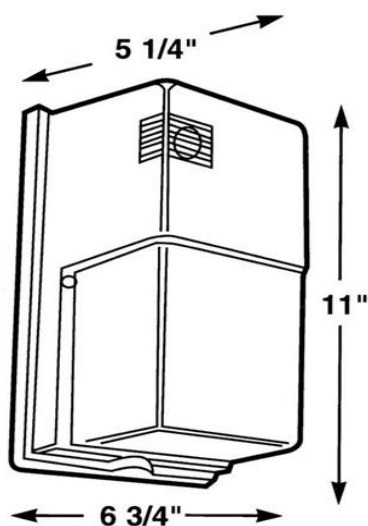




Catalog Number 71000
UPC Number 60198671000
Description Mini Wall Pack - Glass Lens
100W Metal Halide
With Photocell

Features

Diecast Aluminum Housing with Conduit Knockout
Borosilicate Glass Lens
Corrosion Resistant
Bronze Finish
Lamp & Photocontrol Included
UL listed for Wet Locations
UL Listed

General

Material: Diecast Aluminum Housing
Borosilicate Glass Prismatic Lens
Finish: Bronze over chromate conversion coating
Lamp Type: 100W MH
Reflector: Aluminum
Socket: Porcelain 4KV pulse rated medium
base socket with nickel plated screw shell
Mounting: Cast-in template for mounting directly
over a 4" recessed box, or 1/2 conduit
Ballast: HX-HPF
Photocell: Installed

Dimension Information

Length: 6.75"
Height: 11"
Depth: 5.25"

Specifications

Temperature Rating: N/A
Voltage Rating 120/208/240/277
Flammability Rating UL94V-2
Wattage Rating 100W

Packaging

Box Qty 1

Certifications

UL Yes
CSA Yes
RoHS Yes



Morris Products Inc.
53 Carey Road
Queensbury, NY 12804

IES ROAD REPORT

PHOTOMETRIC FILENAME : 71000

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 06082584
[DATE] 2006-08-26
[MANUFAC] Morris Products
[LUMCAT] 71000
[LUMINAIRE]
[LAMPCAT] MH100
[LAMP] MH 100W
[_CONVERT] Luminaire test position and photometric web converted from
[MORE] original test data

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Non-Cutoff
Lumens Per Lamp	8500 (1 lamp)
Total Lamp Lumens	8500
Luminaire Lumens	7168
Total Luminaire Efficiency	84 %
Downward Total Efficiency	67 %
Upward Waste Light Ratio	0.20
Maximum Candela	2726.375
Maximum Candela Angle	50H 30V
Maximum Candela At 90 Degrees Vertical	2055.938 (24.2% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2189.813 (25.8% Lamp Lumens)
Total Luminaire Watts	135.9
Ballast Factor	1.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : 71000

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	784.1	9.2	10.9
FM - Front-Medium (30-60)	1053.5	12.4	14.7
FH - Front-High (60-80)	926.0	10.9	12.9
FVH - Front-Very High (80-90)	486.3	5.7	6.8
BL - Back-Low (0-30)	590.8	7.0	8.2
BM - Back-Medium (30-60)	1040.1	12.2	14.5
BH - Back-High (60-80)	566.5	6.7	7.9
BVH - Back-Very High (80-90)	264.8	3.1	3.7
UL - Uplight-Low (90-100)	705.5	8.3	9.8
UH - Uplight-High (100-180)	750.6	8.8	10.5
Total	7168.2	84.3	100.0
BUG Rating	B2-U4-G3		

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1220.813	1226.125	1232.500	1237.813	1243.125	1243.125	1243.125	1243.125	1243.125	1248.438
5.0	1251.625	1262.250	1273.938	1285.625	1296.250	1296.250	1296.250	1296.250	1296.250	1307.938
7.5	1452.438	1469.438	1486.438	1503.438	1519.375	1525.750	1531.063	1536.375	1541.688	1548.063
10.0	1654.313	1676.625	1698.938	1721.250	1743.563	1754.188	1765.875	1776.500	1788.188	1788.188
12.5	1721.250	1748.875	1776.500	1805.188	1832.813	1855.125	1877.438	1899.750	1922.063	1927.375
15.0	1788.188	1821.125	1855.125	1888.063	1922.063	1956.063	1989.000	2023.000	2055.938	2067.625
17.5	1541.688	1570.375	1598.000	1625.625	1654.313	1692.563	1731.875	1771.188	1810.500	1843.438
20.0	1296.250	1318.563	1340.875	1363.188	1385.500	1430.125	1474.750	1519.375	1564.000	1620.313
22.5	1407.813	1424.813	1441.813	1458.813	1474.750	1503.438	1531.063	1558.688	1586.313	1620.313
25.0	1519.375	1531.063	1541.688	1553.375	1564.000	1575.688	1586.313	1598.000	1609.688	1620.313
27.5	1698.938	1709.563	1721.250	1731.875	1743.563	1737.188	1731.875	1726.563	1721.250	1737.188
30.0	1877.438	1888.063	1899.750	1911.438	1922.063	1899.750	1877.438	1855.125	1832.813	1855.125
32.5	1654.313	1687.250	1721.250	1754.188	1788.188	1771.188	1754.188	1737.188	1721.250	1782.875
35.0	1430.125	1486.438	1541.688	1598.000	1654.313	1642.625	1632.000	1620.313	1609.688	1709.563
37.5	1117.750	1173.000	1229.313	1285.625	1340.875	1346.188	1352.563	1357.875	1363.188	1452.438
40.0	804.313	860.625	915.875	972.188	1028.500	1050.813	1073.125	1095.438	1117.750	1195.313
42.5	581.188	620.500	659.813	698.063	737.375	771.375	804.313	838.313	871.250	922.250
45.0	358.063	380.375	402.688	425.000	447.313	491.938	536.563	581.188	625.813	648.125
47.5	358.063	374.000	391.000	408.000	425.000	457.938	491.938	524.875	558.875	569.500
50.0	358.063	368.688	380.375	391.000	402.688	425.000	447.313	469.625	491.938	491.938
52.5	514.250	531.250	547.188	564.188	581.188	625.813	670.438	715.063	759.688	704.438
55.0	670.438	692.750	715.063	737.375	759.688	826.625	893.563	961.563	1028.500	915.875
57.5	782.000	821.313	860.625	899.938	938.188	1100.750	1262.250	1424.813	1586.313	1368.500
60.0	893.563	949.875	1006.188	1061.438	1117.750	1374.875	1632.000	1888.063	2145.188	1821.125
62.5	848.938	899.938	949.875	999.813	1050.813	1301.563	1553.375	1805.188	2055.938	1748.875
65.0	804.313	848.938	893.563	938.188	983.875	1229.313	1474.750	1721.250	1966.688	1676.625
67.5	826.625	871.250	915.875	961.563	1006.188	1268.625	1531.063	1793.500	2055.938	1731.875
70.0	848.938	893.563	938.188	983.875	1028.500	1307.938	1586.313	1865.750	2145.188	1788.188
72.5	826.625	882.938	938.188	994.500	1050.813	1335.563	1620.313	1905.063	2189.813	1821.125
75.0	804.313	871.250	938.188	1006.188	1073.125	1363.188	1654.313	1944.375	2235.500	1855.125
77.5	826.625	888.250	949.875	1011.500	1073.125	1357.875	1642.625	1927.375	2212.125	1843.438
80.0	848.938	905.250	961.563	1016.813	1073.125	1352.563	1632.000	1911.438	2189.813	1832.813
82.5	826.625	888.250	949.875	1011.500	1073.125	1340.875	1609.688	1877.438	2145.188	1805.188
85.0	804.313	871.250	938.188	1006.188	1073.125	1330.250	1586.313	1843.438	2100.563	1776.500
87.5	804.313	871.250	938.188	1006.188	1073.125	1323.875	1575.688	1827.500	2078.250	1748.875
90.0	804.313	871.250	938.188	1006.188	1073.125	1318.563	1564.000	1810.500	2055.938	1721.250
92.5	804.313	877.625	949.875	1022.125	1095.438	1335.563	1575.688	1815.813	2055.938	1714.875
95.0	804.313	882.938	961.563	1039.125	1117.750	1352.563	1586.313	1821.125	2055.938	1709.563
97.5	782.000	860.625	938.188	1016.813	1095.438	1313.250	1531.063	1748.875	1966.688	1637.313
100.0	759.688	838.313	915.875	994.500	1073.125	1273.938	1474.750	1676.625	1877.438	1564.000
102.5	692.750	765.000	838.313	910.563	983.875	1106.063	1229.313	1352.563	1474.750	1224.000
105.0	625.813	692.750	759.688	826.625	893.563	938.188	983.875	1028.500	1073.125	882.938
107.5	358.063	396.313	435.625	474.938	514.250	536.563	558.875	581.188	603.500	508.938
110.0	89.250	100.938	111.563	123.250	133.875	133.875	133.875	133.875	133.875	133.875
112.5	66.938	78.625	89.250	100.938	111.563	111.563	111.563	111.563	111.563	111.563
115.0	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250
117.5	44.625	49.938	56.313	61.625	66.938	66.938	66.938	66.938	66.938	72.250
120.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
122.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
125.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
127.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
130.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313

CANDELA TABULATION - (Cont.)

132.5	44.625	49.938	56.313	61.625	66.938	61.625	56.313	49.938	44.625	56.313
135.0	44.625	56.313	66.938	78.625	89.250	78.625	66.938	56.313	44.625	56.313
137.5	44.625	56.313	66.938	78.625	89.250	78.625	66.938	56.313	44.625	49.938
140.0	44.625	56.313	66.938	78.625	89.250	78.625	66.938	56.313	44.625	44.625
142.5	44.625	49.938	56.313	61.625	66.938	61.625	56.313	49.938	44.625	44.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	22.313	27.625	34.000	39.313	44.625	44.625	44.625	44.625	44.625	44.625
155.0	0.000	11.688	22.313	34.000	44.625	44.625	44.625	44.625	44.625	44.625
157.5	0.000	11.688	22.313	34.000	44.625	44.625	44.625	44.625	44.625	44.625
160.0	0.000	11.688	22.313	34.000	44.625	44.625	44.625	44.625	44.625	44.625
162.5	0.000	11.688	22.313	34.000	44.625	44.625	44.625	44.625	44.625	44.625
165.0	0.000	11.688	22.313	34.000	44.625	44.625	44.625	44.625	44.625	44.625
167.5	22.313	27.625	34.000	39.313	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Horizontal Angles
Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1254.813	1260.125	1265.438	1265.438	1265.438	1265.438	1265.438	1265.438	1265.438	1265.438
5.0	1318.563	1330.250	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875
7.5	1553.375	1558.688	1564.000	1558.688	1553.375	1548.063	1541.688	1525.750	1508.750	1491.750
10.0	1788.188	1788.188	1788.188	1776.500	1765.875	1754.188	1743.563	1709.563	1676.625	1642.625
12.5	1933.750	1939.063	1944.375	1927.375	1911.438	1894.438	1877.438	1843.438	1810.500	1776.500
15.0	2078.250	2089.938	2100.563	2078.250	2055.938	2033.625	2011.313	1978.375	1944.375	1911.438
17.5	1877.438	1911.438	1944.375	1966.688	1989.000	2011.313	2033.625	2033.625	2033.625	2033.625
20.0	1676.625	1731.875	1788.188	1855.125	1922.063	1989.000	2055.938	2089.938	2122.875	2156.875
22.5	1654.313	1687.250	1721.250	1805.188	1888.063	1972.000	2055.938	2139.875	2223.813	2307.750
25.0	1632.000	1642.625	1654.313	1754.188	1855.125	1956.063	2055.938	2189.813	2324.750	2458.625
27.5	1754.188	1771.188	1788.188	1911.438	2033.625	2156.875	2280.125	2374.688	2469.250	2564.875
30.0	1877.438	1899.750	1922.063	2067.625	2212.125	2357.688	2503.250	2559.563	2614.813	2671.125
32.5	1843.438	1905.063	1966.688	2089.938	2212.125	2335.375	2458.625	2385.313	2313.063	2240.813
35.0	1810.500	1911.438	2011.313	2112.250	2212.125	2313.063	2414.000	2212.125	2011.313	1810.500
37.5	1541.688	1632.000	1721.250	1754.188	1788.188	1821.125	1855.125	1721.250	1586.313	1452.438
40.0	1273.938	1352.563	1430.125	1397.188	1363.188	1330.250	1296.250	1229.313	1162.375	1095.438
42.5	972.188	1022.125	1073.125	1056.125	1039.125	1022.125	1006.188	961.563	915.875	871.250
45.0	670.438	692.750	715.063	715.063	715.063	715.063	715.063	692.750	670.438	648.125
47.5	581.188	591.813	603.500	603.500	603.500	603.500	603.500	591.813	581.188	569.500
50.0	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938
52.5	648.125	591.813	536.563	541.875	547.188	553.563	558.875	541.875	524.875	508.938
55.0	804.313	692.750	581.188	591.813	603.500	614.125	625.813	591.813	558.875	524.875
57.5	1150.688	932.875	715.063	698.063	682.125	665.125	648.125	614.125	581.188	547.188
60.0	1497.063	1173.000	848.938	804.313	759.688	715.063	670.438	636.438	603.500	569.500
62.5	1441.813	1134.750	826.625	804.313	782.000	759.688	737.375	698.063	659.813	620.500
65.0	1385.500	1095.438	804.313	804.313	804.313	804.313	804.313	759.688	715.063	670.438
67.5	1407.813	1083.750	759.688	782.000	804.313	826.625	848.938	804.313	759.688	715.063
70.0	1430.125	1073.125	715.063	759.688	804.313	848.938	893.563	848.938	804.313	759.688
72.5	1452.438	1083.750	715.063	771.375	826.625	882.938	938.188	888.250	838.313	787.313
75.0	1474.750	1095.438	715.063	782.000	848.938	915.875	983.875	927.563	871.250	816.000
77.5	1474.750	1106.063	737.375	787.313	838.313	888.250	938.188	893.563	848.938	804.313

CANDELA TABULATION - (Cont.)

80.0	1474.750	1117.750	759.688	793.688	826.625	860.625	893.563	860.625	826.625	793.688
82.5	1464.125	1123.063	782.000	793.688	804.313	816.000	826.625	804.313	782.000	759.688
85.0	1452.438	1128.375	804.313	793.688	782.000	771.375	759.688	749.063	737.375	726.750
87.5	1419.500	1089.063	759.688	754.375	749.063	742.688	737.375	732.063	726.750	720.375
90.0	1385.500	1050.813	715.063	715.063	715.063	715.063	715.063	715.063	715.063	715.063
92.5	1374.875	1033.813	692.750	698.063	704.438	709.750	715.063	709.750	704.438	698.063
95.0	1363.188	1016.813	670.438	682.125	692.750	704.438	715.063	704.438	692.750	682.125
97.5	1307.938	977.500	648.125	665.125	682.125	698.063	715.063	709.750	704.438	698.063
100.0	1251.625	938.188	625.813	648.125	670.438	692.750	715.063	715.063	715.063	715.063
102.5	972.188	720.375	469.625	486.625	502.563	519.563	536.563	541.875	547.188	553.563
105.0	692.750	502.563	312.375	324.063	335.750	346.375	358.063	368.688	380.375	391.000
107.5	413.313	318.750	223.125	229.500	234.813	240.125	245.438	251.813	257.125	262.438
110.0	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875
112.5	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563
115.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
117.5	78.625	83.938	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
120.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
122.5	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
125.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
127.5	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
130.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
132.5	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
135.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	56.313	61.625	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250
140.0	44.625	44.625	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
142.5	44.625	44.625	44.625	49.938	56.313	61.625	66.938	66.938	66.938	66.938
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	39.313	34.000	27.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	39.313	34.000	27.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1265.438	1260.125	1254.813	1248.438	1243.125	1248.438	1254.813	1260.125	1265.438	1265.438
5.0	1340.875	1330.250	1318.563	1307.938	1296.250	1307.938	1318.563	1330.250	1340.875	1340.875
7.5	1474.750	1447.125	1419.500	1390.813	1363.188	1357.875	1352.563	1346.188	1340.875	1340.875
10.0	1609.688	1564.000	1519.375	1474.750	1430.125	1407.813	1385.500	1363.188	1340.875	1340.875
12.5	1743.563	1698.938	1654.313	1609.688	1564.000	1541.688	1519.375	1497.063	1474.750	1474.750
15.0	1877.438	1832.813	1788.188	1743.563	1698.938	1676.625	1654.313	1632.000	1609.688	1609.688
17.5	2033.625	2006.000	1978.375	1949.688	1922.063	1899.750	1877.438	1855.125	1832.813	1815.813
20.0	2189.813	2179.188	2167.500	2156.875	2145.188	2122.875	2100.563	2078.250	2055.938	2023.000
22.5	2391.688	2385.313	2380.000	2374.688	2369.375	2335.375	2302.438	2268.438	2235.500	2201.500
25.0	2592.500	2592.500	2592.500	2592.500	2592.500	2547.875	2503.250	2458.625	2414.000	2380.000

CANDELA TABULATION - (Cont.)

27.5	2659.438	2620.125	2581.875	2542.563	2503.250	2397.000	2290.750	2184.500	2078.250	2011.313
30.0	2726.375	2648.813	2570.188	2491.563	2414.000	2246.125	2078.250	1911.438	1743.563	1642.625
32.5	2167.500	2061.250	1956.063	1849.813	1743.563	1647.938	1553.375	1458.813	1363.188	1296.250
35.0	1609.688	1474.750	1340.875	1207.000	1073.125	1050.813	1028.500	1006.188	983.875	949.875
37.5	1318.563	1217.625	1117.750	1016.813	915.875	899.938	882.938	865.938	848.938	816.000
40.0	1028.500	961.563	893.563	826.625	759.688	749.063	737.375	726.750	715.063	682.125
42.5	826.625	787.313	749.063	709.750	670.438	665.125	659.813	653.438	648.125	625.813
45.0	625.813	614.125	603.500	591.813	581.188	581.188	581.188	581.188	581.188	569.500
47.5	558.875	553.563	547.188	541.875	536.563	541.875	547.188	553.563	558.875	553.563
50.0	491.938	491.938	491.938	491.938	491.938	502.563	514.250	524.875	536.563	536.563
52.5	491.938	508.938	524.875	541.875	558.875	581.188	603.500	625.813	648.125	659.813
55.0	491.938	524.875	558.875	591.813	625.813	659.813	692.750	726.750	759.688	782.000
57.5	514.250	536.563	558.875	581.188	603.500	625.813	648.125	670.438	692.750	709.750
60.0	536.563	547.188	558.875	569.500	581.188	591.813	603.500	614.125	625.813	636.438
62.5	581.188	581.188	581.188	581.188	581.188	586.500	591.813	598.188	603.500	603.500
65.0	625.813	614.125	603.500	591.813	581.188	581.188	581.188	581.188	581.188	569.500
67.5	670.438	653.438	636.438	620.500	603.500	598.188	591.813	586.500	581.188	569.500
70.0	715.063	692.750	670.438	648.125	625.813	614.125	603.500	591.813	581.188	569.500
72.5	737.375	715.063	692.750	670.438	648.125	631.125	614.125	598.188	581.188	564.188
75.0	759.688	737.375	715.063	692.750	670.438	648.125	625.813	603.500	581.188	558.875
77.5	759.688	737.375	715.063	692.750	670.438	648.125	625.813	603.500	581.188	558.875
80.0	759.688	737.375	715.063	692.750	670.438	648.125	625.813	603.500	581.188	558.875
82.5	737.375	720.375	704.438	687.438	670.438	648.125	625.813	603.500	581.188	558.875
85.0	715.063	704.438	692.750	682.125	670.438	648.125	625.813	603.500	581.188	558.875
87.5	715.063	698.063	682.125	665.125	648.125	631.125	614.125	598.188	581.188	558.875
90.0	715.063	692.750	670.438	648.125	625.813	614.125	603.500	591.813	581.188	558.875
92.5	692.750	675.750	659.813	642.813	625.813	614.125	603.500	591.813	581.188	564.188
95.0	670.438	659.813	648.125	636.438	625.813	614.125	603.500	591.813	581.188	569.500
97.5	692.750	675.750	659.813	642.813	625.813	620.500	614.125	608.813	603.500	591.813
100.0	715.063	692.750	670.438	648.125	625.813	625.813	625.813	625.813	625.813	614.125
102.5	558.875	558.875	558.875	558.875	558.875	564.188	569.500	575.875	581.188	581.188
105.0	402.688	425.000	447.313	469.625	491.938	502.563	514.250	524.875	536.563	547.188
107.5	267.750	279.438	290.063	301.750	312.375	324.063	335.750	346.375	358.063	363.375
110.0	133.875	133.875	133.875	133.875	133.875	145.563	156.188	167.875	178.500	178.500
112.5	111.563	116.875	123.250	128.563	133.875	139.188	145.563	150.875	156.188	156.188
115.0	89.250	100.938	111.563	123.250	133.875	133.875	133.875	133.875	133.875	133.875
117.5	89.250	94.563	100.938	106.250	111.563	116.875	123.250	128.563	133.875	128.563
120.0	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250	133.875	123.250
122.5	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250	133.875	123.250
125.0	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250	133.875	123.250
127.5	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250	133.875	123.250
130.0	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250	133.875	123.250
132.5	89.250	89.250	89.250	89.250	89.250	94.563	100.938	106.250	111.563	106.250
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
142.5	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250	89.250	89.250
145.0	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250
147.5	44.625	49.938	56.313	61.625	66.938	66.938	66.938	66.938	66.938	66.938
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313	44.625	44.625
160.0	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000	44.625	44.625
162.5	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625

IES ROAD REPORT
PHOTOMETRIC FILENAME : 71000

CANDELA TABULATION - (Cont.)

167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

**Vert.
Angles**

Horizontal Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1265.438	1265.438	1265.438	1248.438	1232.500	1215.500	1198.500	1193.188	1187.875	1181.500
5.0	1340.875	1340.875	1340.875	1307.938	1273.938	1239.938	1207.000	1195.313	1184.688	1173.000
7.5	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1323.875	1306.875	1290.938
10.0	1340.875	1340.875	1340.875	1374.875	1407.813	1441.813	1474.750	1452.438	1430.125	1407.813
12.5	1474.750	1474.750	1474.750	1536.375	1598.000	1659.625	1721.250	1687.250	1653.250	1620.313
15.0	1609.688	1609.688	1609.688	1698.938	1788.188	1877.438	1966.688	1922.063	1877.438	1832.813
17.5	1798.813	1782.875	1765.875	1771.188	1776.500	1781.813	1788.188	1754.188	1721.250	1687.250
20.0	1989.000	1956.063	1922.063	1843.438	1765.875	1687.250	1608.625	1586.313	1564.000	1541.688
22.5	2167.500	2134.563	2100.563	1961.375	1821.125	1681.938	1541.688	1525.750	1508.750	1491.750
25.0	2347.063	2313.063	2280.125	2078.250	1877.438	1676.625	1474.750	1464.125	1452.438	1441.813
27.5	1944.375	1877.438	1810.500	1810.500	1810.500	1810.500	1810.500	1771.188	1731.875	1692.563
30.0	1541.688	1441.813	1340.875	1541.688	1743.563	1944.375	2145.188	2078.250	2011.313	1944.375
32.5	1229.313	1162.375	1095.438	1318.563	1541.688	1765.875	1989.000	1922.063	1855.125	1788.188
35.0	915.875	882.938	848.938	1095.438	1340.875	1586.313	1832.813	1765.875	1698.938	1630.938
37.5	782.000	749.063	715.063	938.188	1162.375	1385.500	1608.625	1558.688	1508.750	1457.750
40.0	648.125	614.125	581.188	782.000	982.813	1184.688	1385.500	1352.563	1318.563	1284.563
42.5	603.500	581.188	558.875	692.750	826.625	960.500	1095.438	1089.063	1083.750	1078.438
45.0	558.875	547.188	536.563	603.500	670.438	737.375	804.313	826.625	848.938	871.250
47.5	547.188	541.875	536.563	598.188	658.750	720.375	782.000	804.313	826.625	848.938
50.0	536.563	536.563	536.563	591.813	648.125	704.438	759.688	782.000	804.313	826.625
52.5	670.438	682.125	692.750	715.063	737.375	759.688	782.000	821.313	860.625	899.938
55.0	804.313	826.625	848.938	838.313	826.625	816.000	804.313	860.625	915.875	972.188
57.5	726.750	742.688	759.688	782.000	804.313	826.625	848.938	882.938	915.875	949.875
60.0	648.125	659.813	670.438	726.750	782.000	838.313	893.563	905.250	915.875	927.563
62.5	603.500	603.500	603.500	692.750	782.000	871.250	960.500	989.188	1016.813	1044.438
65.0	558.875	547.188	536.563	659.813	782.000	905.250	1028.500	1073.125	1117.750	1162.375
67.5	558.875	547.188	536.563	653.438	771.375	888.250	1005.125	1039.125	1073.125	1106.063
70.0	558.875	547.188	536.563	648.125	759.688	871.250	982.813	1005.125	1028.500	1050.813
72.5	547.188	531.250	514.250	620.500	726.750	831.938	938.188	972.188	1005.125	1039.125
75.0	536.563	514.250	491.938	591.813	692.750	793.688	893.563	938.188	982.813	1028.500
77.5	536.563	514.250	491.938	586.500	682.125	776.688	871.250	915.875	960.500	1005.125
80.0	536.563	514.250	491.938	581.188	670.438	759.688	848.938	893.563	938.188	982.813
82.5	536.563	514.250	491.938	581.188	670.438	759.688	848.938	893.563	938.188	982.813
85.0	536.563	514.250	491.938	581.188	670.438	759.688	848.938	893.563	938.188	982.813
87.5	536.563	514.250	491.938	575.875	658.750	742.688	826.625	877.625	927.563	977.500
90.0	536.563	514.250	491.938	569.500	648.125	726.750	804.313	860.625	915.875	972.188
92.5	547.188	531.250	514.250	586.500	658.750	732.063	804.313	848.938	893.563	938.188
95.0	558.875	547.188	536.563	603.500	670.438	737.375	804.313	838.313	871.250	905.250
97.5	581.188	569.500	558.875	614.125	670.438	726.750	782.000	821.313	860.625	899.938
100.0	603.500	591.813	581.188	625.813	670.438	715.063	759.688	804.313	848.938	893.563
102.5	581.188	581.188	581.188	620.500	659.813	698.063	737.375	771.375	804.313	838.313
105.0	558.875	569.500	581.188	614.125	648.125	682.125	715.063	737.375	759.688	782.000
107.5	368.688	374.000	380.375	418.625	457.938	497.250	536.563	553.563	569.500	586.500
110.0	178.500	178.500	178.500	223.125	267.750	312.375	358.063	368.688	380.375	391.000
112.5	156.188	156.188	156.188	173.188	190.188	207.188	223.125	229.500	234.813	240.125

CANDELA TABULATION - (Cont.)

115.0	133.875	133.875	133.875	123.250	111.563	100.938	89.250	89.250	89.250	89.250
117.5	123.250	116.875	111.563	100.938	89.250	78.625	66.938	72.250	78.625	83.938
120.0	111.563	100.938	89.250	78.625	66.938	56.313	44.625	56.313	66.938	78.625
122.5	111.563	100.938	89.250	78.625	66.938	56.313	44.625	49.938	56.313	61.625
125.0	111.563	100.938	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
127.5	111.563	100.938	89.250	78.625	66.938	56.313	44.625	49.938	56.313	61.625
130.0	111.563	100.938	89.250	78.625	66.938	56.313	44.625	56.313	66.938	78.625
132.5	100.938	94.563	89.250	83.938	78.625	72.250	66.938	72.250	78.625	83.938
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
142.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
145.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
147.5	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1176.188	1170.875	1165.563	1159.188	1153.875	1153.875	1153.875	1153.875	1153.875	1148.563
5.0	1162.375	1150.688	1140.063	1128.375	1117.750	1117.750	1117.750	1117.750	1117.750	1106.063
7.5	1273.938	1256.938	1239.938	1224.000	1207.000	1201.688	1195.313	1190.000	1184.688	1178.313
10.0	1385.500	1363.188	1340.875	1318.563	1296.250	1284.563	1273.938	1262.250	1251.625	1251.625
12.5	1586.313	1558.688	1531.063	1502.375	1474.750	1457.750	1441.813	1424.813	1407.813	1397.188
15.0	1788.188	1754.188	1721.250	1687.250	1653.250	1630.938	1608.625	1586.313	1564.000	1541.688
17.5	1653.250	1642.625	1630.938	1620.313	1608.625	1603.313	1598.000	1592.688	1586.313	1575.688
20.0	1519.375	1531.063	1541.688	1553.375	1564.000	1575.688	1586.313	1598.000	1608.625	1608.625
22.5	1474.750	1469.438	1464.125	1457.750	1452.438	1464.125	1474.750	1486.438	1497.063	1508.750
25.0	1430.125	1407.813	1385.500	1363.188	1340.875	1351.500	1363.188	1374.875	1385.500	1407.813
27.5	1653.250	1603.313	1553.375	1502.375	1452.438	1430.125	1407.813	1385.500	1363.188	1374.875
30.0	1877.438	1798.813	1721.250	1642.625	1564.000	1508.750	1452.438	1397.188	1340.875	1340.875
32.5	1721.250	1664.938	1608.625	1553.375	1497.063	1469.438	1441.813	1413.125	1385.500	1368.500
35.0	1564.000	1531.063	1497.063	1464.125	1430.125	1430.125	1430.125	1430.125	1430.125	1397.188
37.5	1407.813	1385.500	1363.188	1340.875	1318.563	1313.250	1306.875	1301.563	1296.250	1284.563
40.0	1251.625	1239.938	1229.313	1217.625	1207.000	1195.313	1184.688	1173.000	1162.375	1173.000
42.5	1073.125	1078.438	1083.750	1089.063	1095.438	1095.438	1095.438	1095.438	1095.438	1100.750
45.0	893.563	915.875	938.188	960.500	982.813	994.500	1005.125	1016.813	1028.500	1028.500
47.5	871.250	882.938	893.563	905.250	915.875	927.563	938.188	949.875	960.500	949.875
50.0	848.938	848.938	848.938	848.938	848.938	860.625	871.250	882.938	893.563	871.250
52.5	938.188	1005.125	1073.125	1140.063	1207.000	1178.313	1150.688	1123.063	1095.438	1005.125
55.0	1028.500	1162.375	1296.250	1430.125	1564.000	1497.063	1430.125	1363.188	1296.250	1140.063
57.5	982.813	1044.438	1106.063	1167.688	1229.313	1195.313	1162.375	1128.375	1095.438	982.813
60.0	938.188	927.563	915.875	905.250	893.563	893.563	893.563	893.563	893.563	826.625

CANDELA TABULATION - (Cont.)

62.5	1073.125	1078.438	1083.750	1089.063	1095.438	1056.125	1016.813	977.500	938.188	855.313
65.0	1207.000	1229.313	1251.625	1273.938	1296.250	1217.625	1140.063	1061.438	982.813	882.938
67.5	1140.063	1173.000	1207.000	1239.938	1273.938	1207.000	1140.063	1073.125	1005.125	899.938
70.0	1073.125	1117.750	1162.375	1207.000	1251.625	1195.313	1140.063	1083.750	1028.500	915.875
72.5	1073.125	1123.063	1173.000	1224.000	1273.938	1207.000	1140.063	1073.125	1005.125	888.250
75.0	1073.125	1128.375	1184.688	1239.938	1296.250	1217.625	1140.063	1061.438	982.813	860.625
77.5	1050.813	1111.375	1173.000	1234.625	1296.250	1207.000	1117.750	1028.500	938.188	821.313
80.0	1028.500	1095.438	1162.375	1229.313	1296.250	1195.313	1095.438	994.500	893.563	782.000
82.5	1028.500	1095.438	1162.375	1229.313	1296.250	1195.313	1095.438	994.500	893.563	782.000
85.0	1028.500	1095.438	1162.375	1229.313	1296.250	1195.313	1095.438	994.500	893.563	782.000
87.5	1028.500	1089.063	1150.688	1212.313	1273.938	1173.000	1073.125	972.188	871.250	759.688
90.0	1028.500	1083.750	1140.063	1195.313	1251.625	1150.688	1050.813	949.875	848.938	737.375
92.5	982.813	1039.125	1095.438	1150.688	1207.000	1111.375	1016.813	922.250	826.625	715.063
95.0	938.188	994.500	1050.813	1106.063	1162.375	1073.125	982.813	893.563	804.313	692.750
97.5	938.188	989.188	1039.125	1089.063	1140.063	1044.438	949.875	855.313	759.688	653.438
100.0	938.188	982.813	1028.500	1073.125	1117.750	1016.813	915.875	816.000	715.063	614.125
102.5	871.250	910.563	949.875	989.188	1028.500	932.875	838.313	742.688	648.125	558.875
105.0	804.313	838.313	871.250	905.250	938.188	848.938	759.688	670.438	581.188	502.563
107.5	603.500	608.813	614.125	620.500	625.813	569.500	514.250	457.938	402.688	351.688
110.0	402.688	380.375	358.063	334.688	312.375	290.063	267.750	245.438	223.125	200.813
112.5	245.438	234.813	223.125	212.500	200.813	190.188	178.500	167.875	156.188	145.563
115.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
117.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
120.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
122.5	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250	89.250	83.938
125.0	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250	89.250	78.625
127.5	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250	89.250	78.625
130.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	78.625
132.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	83.938
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	83.938
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	78.625
142.5	89.250	89.250	89.250	89.250	89.250	83.938	78.625	72.250	66.938	61.625
145.0	89.250	89.250	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625
147.5	66.938	66.938	66.938	66.938	66.938	61.625	56.313	49.938	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Angles Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1142.188	1136.875	1131.563	1131.563	1131.563	1131.563	1131.563	1126.250	1119.875	1114.563
5.0	1095.438	1083.750	1073.125	1073.125	1073.125	1073.125	1073.125	1061.438	1050.813	1039.125
7.5	1173.000	1167.688	1162.375	1156.000	1150.688	1145.375	1140.063	1128.375	1117.750	1106.063

CANDELA TABULATION - (Cont.)

10.0	1251.625	1251.625	1251.625	1239.938	1229.313	1217.625	1207.000	1195.313	1184.688	1173.000
12.5	1385.500	1374.875	1363.188	1346.188	1329.188	1313.250	1296.250	1284.563	1273.938	1262.250
15.0	1519.375	1497.063	1474.750	1452.438	1430.125	1407.813	1385.500	1374.875	1363.188	1351.500
17.5	1564.000	1553.375	1541.688	1519.375	1497.063	1474.750	1452.438	1435.438	1419.500	1402.500
20.0	1608.625	1608.625	1608.625	1586.313	1564.000	1541.688	1519.375	1497.063	1474.750	1452.438
22.5	1519.375	1531.063	1541.688	1536.375	1531.063	1525.750	1519.375	1497.063	1474.750	1452.438
25.0	1430.125	1452.438	1474.750	1486.438	1497.063	1508.750	1519.375	1497.063	1474.750	1452.438
27.5	1385.500	1397.188	1407.813	1419.500	1430.125	1441.813	1452.438	1435.438	1419.500	1402.500
30.0	1340.875	1340.875	1340.875	1351.500	1363.188	1374.875	1385.500	1374.875	1363.188	1351.500
32.5	1351.500	1335.563	1318.563	1318.563	1318.563	1318.563	1318.563	1313.250	1306.875	1301.563
35.0	1363.188	1329.188	1296.250	1284.563	1273.938	1262.250	1251.625	1251.625	1251.625	1251.625
37.5	1273.938	1262.250	1251.625	1234.625	1217.625	1201.688	1184.688	1173.000	1162.375	1150.688
40.0	1184.688	1195.313	1207.000	1184.688	1162.375	1140.063	1117.750	1095.438	1073.125	1050.813
42.5	1106.063	1111.375	1117.750	1095.438	1073.125	1050.813	1028.500	989.188	949.875	910.563
45.0	1028.500	1028.500	1028.500	1005.125	982.813	960.500	938.188	882.938	826.625	771.375
47.5	938.188	927.563	915.875	882.938	848.938	816.000	782.000	737.375	692.750	648.125
50.0	848.938	826.625	804.313	759.688	715.063	670.438	625.813	591.813	558.875	524.875
52.5	915.875	826.625	737.375	687.438	636.438	586.500	536.563	508.938	480.250	452.625
55.0	982.813	826.625	670.438	614.125	558.875	502.563	447.313	425.000	402.688	380.375
57.5	871.250	759.688	648.125	586.500	524.875	463.250	402.688	374.000	346.375	318.750
60.0	759.688	692.750	625.813	558.875	491.938	425.000	358.063	324.063	290.063	257.125
62.5	771.375	687.438	603.500	536.563	469.625	402.688	334.688	301.750	267.750	234.813
65.0	782.000	682.125	581.188	514.250	447.313	380.375	312.375	279.438	245.438	212.500
67.5	793.688	687.438	581.188	514.250	447.313	380.375	312.375	274.125	234.813	195.500
70.0	804.313	692.750	581.188	514.250	447.313	380.375	312.375	267.750	223.125	178.500
72.5	771.375	653.438	536.563	474.938	413.313	351.688	290.063	251.813	212.500	173.188
75.0	737.375	614.125	491.938	435.625	380.375	324.063	267.750	234.813	200.813	167.875
77.5	704.438	586.500	469.625	413.313	358.063	301.750	245.438	212.500	178.500	145.563
80.0	670.438	558.875	447.313	391.000	334.688	279.438	223.125	190.188	156.188	123.250
82.5	670.438	558.875	447.313	385.688	324.063	262.438	200.813	173.188	145.563	116.875
85.0	670.438	558.875	447.313	380.375	312.375	245.438	178.500	156.188	133.875	111.563
87.5	648.125	536.563	425.000	358.063	290.063	223.125	156.188	133.875	111.563	89.250
90.0	625.813	514.250	402.688	334.688	267.750	200.813	133.875	111.563	89.250	66.938
92.5	603.500	491.938	380.375	318.750	257.125	195.500	133.875	111.563	89.250	66.938
95.0	581.188	469.625	358.063	301.750	245.438	190.188	133.875	111.563	89.250	66.938
97.5	547.188	440.938	334.688	284.750	234.813	184.875	133.875	111.563	89.250	66.938
100.0	514.250	413.313	312.375	267.750	223.125	178.500	133.875	111.563	89.250	66.938
102.5	469.625	380.375	290.063	251.813	212.500	173.188	133.875	111.563	89.250	66.938
105.0	425.000	346.375	267.750	234.813	200.813	167.875	133.875	111.563	89.250	66.938
107.5	301.750	251.813	200.813	173.188	145.563	116.875	89.250	78.625	66.938	56.313
110.0	178.500	156.188	133.875	111.563	89.250	66.938	44.625	44.625	44.625	44.625
112.5	133.875	123.250	111.563	94.563	78.625	61.625	44.625	44.625	44.625	44.625
115.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
117.5	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
120.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
122.5	78.625	72.250	66.938	61.625	56.313	49.938	44.625	44.625	44.625	44.625
125.0	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
127.5	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
130.0	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
132.5	78.625	72.250	66.938	61.625	56.313	49.938	44.625	44.625	44.625	44.625
135.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
137.5	78.625	72.250	66.938	61.625	56.313	49.938	44.625	44.625	44.625	44.625
140.0	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
142.5	56.313	49.938	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625

CANDELA TABULATION - (Cont.)

150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Angles Horizontal Angles

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1109.250	1109.250	1109.250	1109.250	1109.250	1114.563	1119.875	1126.250	1131.563	1131.563
5.0	1028.500	1028.500	1028.500	1028.500	1028.500	1039.125	1050.813	1061.438	1073.125	1073.125
7.5	1095.438	1089.063	1083.750	1078.438	1073.125	1078.438	1083.750	1089.063	1095.438	1100.750
10.0	1162.375	1150.688	1140.063	1128.375	1117.750	1117.750	1117.750	1117.750	1117.750	1128.375
12.5	1251.625	1234.625	1217.625	1201.688	1184.688	1184.688	1184.688	1184.688	1184.688	1190.000
15.0	1340.875	1318.563	1296.250	1273.938	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625
17.5	1385.500	1363.188	1340.875	1318.563	1296.250	1290.938	1284.563	1279.250	1273.938	1273.938
20.0	1430.125	1407.813	1385.500	1363.188	1340.875	1329.188	1318.563	1306.875	1296.250	1296.250
22.5	1430.125	1407.813	1385.500	1363.188	1340.875	1329.188	1318.563	1306.875	1296.250	1296.250
25.0	1430.125	1407.813	1385.500	1363.188	1340.875	1329.188	1318.563	1306.875	1296.250	1296.250
27.5	1385.500	1374.875	1363.188	1351.500	1340.875	1329.188	1318.563	1306.875	1296.250	1296.250
30.0	1340.875	1340.875	1340.875	1340.875	1340.875	1329.188	1318.563	1306.875	1296.250	1296.250
32.5	1296.250	1290.938	1284.563	1279.250	1273.938	1262.250	1251.625	1239.938	1229.313	1229.313
35.0	1251.625	1239.938	1229.313	1217.625	1207.000	1195.313	1184.688	1173.000	1162.375	1162.375
37.5	1140.063	1128.375	1117.750	1106.063	1095.438	1083.750	1073.125	1061.438	1050.813	1050.813
40.0	1028.500	1016.813	1005.125	994.500	982.813	972.188	960.500	949.875	938.188	938.188
42.5	871.250	860.625	848.938	838.313	826.625	816.000	804.313	793.688	782.000	782.000
45.0	715.063	704.438	692.750	682.125	670.438	658.750	648.125	636.438	625.813	625.813
47.5	603.500	591.813	581.188	569.500	558.875	547.188	536.563	524.875	514.250	519.563
50.0	491.938	480.250	469.625	457.938	447.313	435.625	425.000	413.313	402.688	413.313
52.5	425.000	413.313	402.688	391.000	380.375	368.688	358.063	346.375	334.688	341.063
55.0	358.063	346.375	334.688	324.063	312.375	301.750	290.063	279.438	267.750	267.750
57.5	290.063	279.438	267.750	257.125	245.438	234.813	223.125	212.500	200.813	207.188
60.0	223.125	212.500	200.813	190.188	178.500	167.875	156.188	145.563	133.875	145.563
62.5	200.813	190.188	178.500	167.875	156.188	145.563	133.875	123.250	111.563	116.875
65.0	178.500	167.875	156.188	145.563	133.875	123.250	111.563	100.938	89.250	89.250
67.5	156.188	145.563	133.875	123.250	111.563	106.250	100.938	94.563	89.250	83.938
70.0	133.875	123.250	111.563	100.938	89.250	89.250	89.250	89.250	89.250	78.625
72.5	133.875	123.250	111.563	100.938	89.250	83.938	78.625	72.250	66.938	61.625
75.0	133.875	123.250	111.563	100.938	89.250	78.625	66.938	56.313	44.625	44.625
77.5	111.563	100.938	89.250	78.625	66.938	61.625	56.313	49.938	44.625	44.625
80.0	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625
82.5	89.250	78.625	66.938	56.313	44.625	39.313	34.000	27.625	22.313	22.313
85.0	89.250	78.625	66.938	56.313	44.625	34.000	22.313	11.688	0.000	0.000
87.5	66.938	61.625	56.313	49.938	44.625	34.000	22.313	11.688	0.000	0.000
90.0	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688	0.000	0.000
92.5	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688	0.000	0.000
95.0	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688	0.000	0.000

CANDELA TABULATION - (Cont.)

97.5	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688	0.000	0.000
100.0	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688	0.000	0.000
102.5	44.625	44.625	44.625	44.625	44.625	39.313	34.000	27.625	22.313	22.313
105.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
107.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
110.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
112.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
115.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
117.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
120.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
122.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
125.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
127.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
130.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
132.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
135.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
137.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
140.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
142.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1131.563	1131.563	1131.563	1131.563	1131.563	1131.563	1131.563	1126.250	1119.875	1114.563
5.0	1073.125	1073.125	1073.125	1073.125	1073.125	1073.125	1073.125	1061.438	1050.813	1039.125
7.5	1106.063	1111.375	1117.750	1111.375	1106.063	1100.750	1095.438	1089.063	1083.750	1078.438
10.0	1140.063	1150.688	1162.375	1150.688	1140.063	1128.375	1117.750	1117.750	1117.750	1117.750
12.5	1195.313	1201.688	1207.000	1201.688	1195.313	1190.000	1184.688	1184.688	1184.688	1184.688
15.0	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625	1251.625
17.5	1273.938	1273.938	1273.938	1273.938	1273.938	1273.938	1273.938	1279.250	1284.563	1290.938
20.0	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1306.875	1318.563	1329.188
22.5	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1306.875	1318.563	1329.188
25.0	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1306.875	1318.563	1329.188
27.5	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1306.875	1318.563	1329.188
30.0	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1296.250	1306.875	1318.563	1329.188
32.5	1229.313	1229.313	1229.313	1229.313	1229.313	1229.313	1229.313	1239.938	1251.625	1262.250
35.0	1162.375	1162.375	1162.375	1162.375	1162.375	1162.375	1162.375	1173.000	1184.688	1195.313
37.5	1050.813	1050.813	1050.813	1050.813	1050.813	1050.813	1050.813	1061.438	1073.125	1083.750
40.0	938.188	938.188	938.188	938.188	938.188	938.188	938.188	949.875	960.500	972.188
42.5	782.000	782.000	782.000	782.000	782.000	782.000	782.000	793.688	804.313	816.000

CANDELA TABULATION - (Cont.)

45.0	625.813	625.813	625.813	625.813	625.813	625.813	625.813	636.438	648.125	658.750
47.5	524.875	531.250	536.563	531.250	524.875	519.563	514.250	524.875	536.563	547.188
50.0	425.000	435.625	447.313	435.625	425.000	413.313	402.688	413.313	425.000	435.625
52.5	346.375	351.688	358.063	351.688	346.375	341.063	334.688	346.375	358.063	368.688
55.0	267.750	267.750	267.750	267.750	267.750	267.750	267.750	279.438	290.063	301.750
57.5	212.500	217.813	223.125	217.813	212.500	207.188	200.813	212.500	223.125	234.813
60.0	156.188	167.875	178.500	167.875	156.188	145.563	133.875	145.563	156.188	167.875
62.5	123.250	128.563	133.875	128.563	123.250	116.875	111.563	123.250	133.875	145.563
65.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	100.938	111.563	123.250
67.5	78.625	72.250	66.938	72.250	78.625	83.938	89.250	94.563	100.938	106.250
70.0	66.938	56.313	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
72.5	56.313	49.938	44.625	49.938	56.313	61.625	66.938	72.250	78.625	83.938
75.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313	66.938	78.625
77.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	49.938	56.313	61.625
80.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
82.5	22.313	22.313	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000
102.5	22.313	22.313	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313
105.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
107.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
110.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
112.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
115.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
117.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
120.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
122.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
125.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
127.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
130.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
132.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
135.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
137.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
140.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
142.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1109.250	1109.250	1109.250	1109.250	1109.250	1114.563	1119.875	1126.250	1131.563	1131.563
5.0	1028.500	1028.500	1028.500	1028.500	1028.500	1039.125	1050.813	1061.438	1073.125	1073.125
7.5	1073.125	1078.438	1083.750	1089.063	1095.438	1106.063	1117.750	1128.375	1140.063	1145.375
10.0	1117.750	1128.375	1140.063	1150.688	1162.375	1173.000	1184.688	1195.313	1207.000	1217.625
12.5	1184.688	1201.688	1217.625	1234.625	1251.625	1262.250	1273.938	1284.563	1296.250	1313.250
15.0	1251.625	1273.938	1296.250	1318.563	1340.875	1351.500	1363.188	1374.875	1385.500	1407.813
17.5	1296.250	1318.563	1340.875	1363.188	1385.500	1402.500	1419.500	1435.438	1452.438	1474.750
20.0	1340.875	1363.188	1385.500	1407.813	1430.125	1452.438	1474.750	1497.063	1519.375	1541.688
22.5	1340.875	1363.188	1385.500	1407.813	1430.125	1452.438	1474.750	1497.063	1519.375	1524.688
25.0	1340.875	1363.188	1385.500	1407.813	1430.125	1452.438	1474.750	1497.063	1519.375	1508.750
27.5	1340.875	1351.500	1363.188	1374.875	1385.500	1402.500	1419.500	1435.438	1452.438	1441.813
30.0	1340.875	1340.875	1340.875	1340.875	1340.875	1351.500	1363.188	1374.875	1385.500	1374.875
32.5	1273.938	1279.250	1284.563	1290.938	1296.250	1301.563	1306.875	1313.250	1318.563	1318.563
35.0	1207.000	1217.625	1229.313	1239.938	1251.625	1251.625	1251.625	1251.625	1251.625	1262.250
37.5	1095.438	1106.063	1117.750	1128.375	1140.063	1150.688	1162.375	1173.000	1184.688	1201.688
40.0	982.813	994.500	1005.125	1016.813	1028.500	1050.813	1073.125	1095.438	1117.750	1140.063
42.5	826.625	838.313	848.938	860.625	871.250	910.563	949.875	989.188	1028.500	1050.813
45.0	670.438	682.125	692.750	704.438	715.063	771.375	826.625	882.938	938.188	960.500
47.5	558.875	569.500	581.188	591.813	603.500	648.125	692.750	737.375	782.000	816.000
50.0	447.313	457.938	469.625	480.250	491.938	524.875	558.875	591.813	625.813	670.438
52.5	380.375	391.000	402.688	413.313	425.000	452.625	480.250	507.875	536.563	586.500
55.0	312.375	324.063	334.688	346.375	358.063	380.375	402.688	425.000	447.313	502.563
57.5	245.438	257.125	267.750	279.438	290.063	318.750	346.375	374.000	402.688	463.250
60.0	178.500	190.188	200.813	212.500	223.125	257.125	290.063	324.063	358.063	425.000
62.5	156.188	167.875	178.500	190.188	200.813	234.813	267.750	301.750	334.688	402.688
65.0	133.875	145.563	156.188	167.875	178.500	212.500	245.438	279.438	312.375	380.375
67.5	111.563	123.250	133.875	145.563	156.188	195.500	234.813	274.125	312.375	380.375
70.0	89.250	100.938	111.563	123.250	133.875	178.500	223.125	267.750	312.375	380.375
72.5	89.250	100.938	111.563	123.250	133.875	173.188	212.500	251.813	290.063	351.688
75.0	89.250	100.938	111.563	123.250	133.875	167.875	200.813	234.813	267.750	324.063
77.5	66.938	78.625	89.250	100.938	111.563	145.563	178.500	212.500	245.438	301.750
80.0	44.625	56.313	66.938	78.625	89.250	123.250	156.188	190.188	223.125	279.438
82.5	44.625	56.313	66.938	78.625	89.250	116.875	145.563	173.188	200.813	262.438
85.0	44.625	56.313	66.938	78.625	89.250	111.563	133.875	156.188	178.500	245.438
87.5	44.625	49.938	56.313	61.625	66.938	89.250	111.563	133.875	156.188	223.125
90.0	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	200.813
92.5	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	195.500
95.0	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	190.188
97.5	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	184.875
100.0	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	178.500
102.5	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	173.188
105.0	44.625	44.625	44.625	44.625	44.625	66.938	89.250	111.563	133.875	167.875
107.5	44.625	44.625	44.625	44.625	44.625	56.313	66.938	78.625	89.250	116.875
110.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	66.938
112.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	61.625
115.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
117.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
120.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
122.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	49.938
125.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
127.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
130.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

132.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	49.938
135.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313
137.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	49.938
140.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
142.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1131.563	1131.563	1131.563	1136.875	1142.188	1148.563	1153.875	1153.875	1153.875	1153.875
5.0	1073.125	1073.125	1073.125	1083.750	1095.438	1106.063	1117.750	1117.750	1117.750	1117.750
7.5	1150.688	1156.000	1162.375	1167.688	1173.000	1178.313	1184.688	1190.000	1195.313	1201.688
10.0	1229.313	1239.938	1251.625	1251.625	1251.625	1251.625	1251.625	1262.250	1273.938	1284.563
12.5	1329.188	1346.188	1363.188	1374.875	1385.500	1397.188	1407.813	1424.813	1441.813	1457.750
15.0	1430.125	1452.438	1474.750	1497.063	1519.375	1541.688	1564.000	1586.313	1608.625	1630.938
17.5	1497.063	1519.375	1541.688	1553.375	1564.000	1575.688	1586.313	1592.688	1598.000	1603.313
20.0	1564.000	1586.313	1608.625	1608.625	1608.625	1608.625	1608.625	1598.000	1586.313	1575.688
22.5	1531.063	1536.375	1541.688	1531.063	1519.375	1508.750	1497.063	1486.438	1474.750	1464.125
25.0	1497.063	1486.438	1474.750	1452.438	1430.125	1407.813	1385.500	1374.875	1363.188	1351.500
27.5	1430.125	1419.500	1407.813	1397.188	1385.500	1374.875	1363.188	1385.500	1407.813	1430.125
30.0	1363.188	1351.500	1340.875	1340.875	1340.875	1340.875	1340.875	1397.188	1452.438	1508.750
32.5	1318.563	1318.563	1318.563	1335.563	1351.500	1368.500	1385.500	1413.125	1441.813	1469.438
35.0	1273.938	1284.563	1296.250	1329.188	1363.188	1397.188	1430.125	1430.125	1430.125	1430.125
37.5	1217.625	1234.625	1251.625	1262.250	1273.938	1284.563	1296.250	1301.563	1306.875	1313.250
40.0	1162.375	1184.688	1207.000	1195.313	1184.688	1173.000	1162.375	1173.000	1184.688	1195.313
42.5	1073.125	1095.438	1117.750	1111.375	1106.063	1100.750	1095.438	1095.438	1095.438	1095.438
45.0	982.813	1005.125	1028.500	1028.500	1028.500	1028.500	1028.500	1016.813	1005.125	994.500
47.5	848.938	882.938	915.875	927.563	938.188	949.875	960.500	949.875	938.188	927.563
50.0	715.063	759.688	804.313	826.625	848.938	871.250	893.563	882.938	871.250	860.625
52.5	636.438	687.438	737.375	826.625	915.875	1005.125	1095.438	1123.063	1150.688	1178.313
55.0	558.875	614.125	670.438	826.625	982.813	1140.063	1296.250	1363.188	1430.125	1497.063
57.5	524.875	586.500	648.125	759.688	871.250	982.813	1095.438	1128.375	1162.375	1195.313
60.0	491.938	558.875	625.813	692.750	759.688	826.625	893.563	893.563	893.563	893.563
62.5	469.625	536.563	603.500	687.438	771.375	855.313	938.188	977.500	1016.813	1056.125
65.0	447.313	514.250	581.188	682.125	782.000	882.938	982.813	1061.438	1140.063	1217.625
67.5	447.313	514.250	581.188	687.438	793.688	899.938	1005.125	1073.125	1140.063	1207.000
70.0	447.313	514.250	581.188	692.750	804.313	915.875	1028.500	1083.750	1140.063	1195.313
72.5	413.313	474.938	536.563	653.438	771.375	888.250	1005.125	1073.125	1140.063	1207.000
75.0	380.375	435.625	491.938	614.125	737.375	860.625	982.813	1061.438	1140.063	1217.625
77.5	358.063	413.313	469.625	586.500	704.438	821.313	938.188	1028.500	1117.750	1207.000

CANDELA TABULATION - (Cont.)

80.0	334.688	391.000	447.313	558.875	670.438	782.000	893.563	994.500	1095.438	1195.313
82.5	324.063	385.688	447.313	558.875	670.438	782.000	893.563	994.500	1095.438	1195.313
85.0	312.375	380.375	447.313	558.875	670.438	782.000	893.563	994.500	1095.438	1195.313
87.5	290.063	358.063	425.000	536.563	648.125	759.688	871.250	972.188	1073.125	1173.000
90.0	267.750	334.688	402.688	514.250	625.813	737.375	848.938	949.875	1050.813	1150.688
92.5	257.125	318.750	380.375	491.938	603.500	715.063	826.625	922.250	1016.813	1111.375
95.0	245.438	301.750	358.063	469.625	581.188	692.750	804.313	893.563	982.813	1073.125
97.5	234.813	284.750	334.688	440.938	547.188	653.438	759.688	855.313	949.875	1044.438
100.0	223.125	267.750	312.375	413.313	514.250	614.125	715.063	816.000	915.875	1016.813
102.5	212.500	251.813	290.063	380.375	469.625	558.875	648.125	742.688	838.313	932.875
105.0	200.813	234.813	267.750	346.375	425.000	502.563	581.188	670.438	759.688	848.938
107.5	145.563	173.188	200.813	251.813	301.750	351.688	402.688	457.938	514.250	569.500
110.0	89.250	111.563	133.875	156.188	178.500	200.813	223.125	245.438	267.750	290.063
112.5	78.625	94.563	111.563	123.250	133.875	145.563	156.188	167.875	178.500	190.188
115.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
117.5	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
120.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
122.5	56.313	61.625	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250
125.0	44.625	44.625	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
127.5	44.625	44.625	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
130.0	44.625	44.625	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
132.5	56.313	61.625	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250
135.0	66.938	78.625	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	56.313	61.625	66.938	72.250	78.625	83.938	89.250	89.250	89.250	89.250
140.0	44.625	44.625	44.625	56.313	66.938	78.625	89.250	89.250	89.250	89.250
142.5	44.625	44.625	44.625	49.938	56.313	61.625	66.938	72.250	78.625	83.938
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	56.313	66.938	78.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	49.938	56.313	61.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1153.875	1159.188	1165.563	1170.875	1176.188	1181.500	1187.875	1193.188	1198.500	1215.500
5.0	1117.750	1128.375	1140.063	1150.688	1162.375	1173.000	1184.688	1195.313	1207.000	1239.938
7.5	1207.000	1224.000	1239.938	1256.938	1273.938	1290.938	1306.875	1323.875	1340.875	1340.875
10.0	1296.250	1318.563	1340.875	1363.188	1385.500	1407.813	1430.125	1452.438	1474.750	1441.813
12.5	1474.750	1502.375	1531.063	1558.688	1586.313	1620.313	1653.250	1687.250	1721.250	1659.625
15.0	1653.250	1687.250	1721.250	1754.188	1788.188	1832.813	1877.438	1922.063	1966.688	1877.438
17.5	1608.625	1620.313	1630.938	1642.625	1653.250	1687.250	1721.250	1754.188	1788.188	1781.813
20.0	1564.000	1553.375	1541.688	1531.063	1519.375	1541.688	1564.000	1586.313	1608.625	1687.250
22.5	1452.438	1457.750	1464.125	1469.438	1474.750	1491.750	1508.750	1525.750	1541.688	1681.938
25.0	1340.875	1363.188	1385.500	1407.813	1430.125	1441.813	1452.438	1464.125	1474.750	1676.625

CANDELA TABULATION - (Cont.)

27.5	1452.438	1502.375	1553.375	1603.313	1653.250	1692.563	1731.875	1771.188	1810.500	1810.500
30.0	1564.000	1642.625	1721.250	1798.813	1877.438	1944.375	2011.313	2078.250	2145.188	1944.375
32.5	1497.063	1553.375	1608.625	1664.938	1721.250	1788.188	1855.125	1922.063	1989.000	1765.875
35.0	1430.125	1464.125	1497.063	1531.063	1564.000	1630.938	1698.938	1765.875	1832.813	1586.313
37.5	1318.563	1340.875	1363.188	1385.500	1407.813	1457.750	1508.750	1558.688	1608.625	1385.500
40.0	1207.000	1217.625	1229.313	1239.938	1251.625	1284.563	1318.563	1351.500	1385.500	1184.688
42.5	1095.438	1089.063	1083.750	1078.438	1073.125	1078.438	1083.750	1089.063	1095.438	960.500
45.0	982.813	960.500	938.188	915.875	893.563	871.250	848.938	826.625	804.313	737.375
47.5	915.875	905.250	893.563	882.938	871.250	848.938	826.625	804.313	782.000	720.375
50.0	848.938	848.938	848.938	848.938	848.938	826.625	804.313	782.000	759.688	704.438
52.5	1207.000	1140.063	1073.125	1005.125	938.188	899.938	860.625	821.313	782.000	759.688
55.0	1564.000	1430.125	1296.250	1162.375	1028.500	972.188	915.875	860.625	804.313	816.000
57.5	1229.313	1167.688	1106.063	1044.438	982.813	949.875	915.875	882.938	848.938	826.625
60.0	893.563	905.250	915.875	927.563	938.188	927.563	915.875	905.250	893.563	838.313
62.5	1095.438	1089.063	1083.750	1078.438	1073.125	1044.438	1016.813	989.188	960.500	871.250
65.0	1296.250	1273.938	1251.625	1229.313	1207.000	1162.375	1117.750	1073.125	1028.500	905.250
67.5	1273.938	1239.938	1207.000	1173.000	1140.063	1106.063	1073.125	1039.125	1005.125	888.250
70.0	1251.625	1207.000	1162.375	1117.750	1073.125	1050.813	1028.500	1005.125	982.813	871.250
72.5	1273.938	1224.000	1173.000	1123.063	1073.125	1039.125	1005.125	972.188	938.188	831.938
75.0	1296.250	1239.938	1184.688	1128.375	1073.125	1028.500	982.813	938.188	893.563	793.688
77.5	1296.250	1234.625	1173.000	1111.375	1050.813	1005.125	960.500	915.875	871.250	776.688
80.0	1296.250	1229.313	1162.375	1095.438	1028.500	982.813	938.188	893.563	848.938	759.688
82.5	1296.250	1229.313	1162.375	1095.438	1028.500	982.813	938.188	893.563	848.938	759.688
85.0	1296.250	1229.313	1162.375	1095.438	1028.500	982.813	938.188	893.563	848.938	759.688
87.5	1273.938	1212.313	1150.688	1089.063	1028.500	977.500	927.563	877.625	826.625	742.688
90.0	1251.625	1195.313	1140.063	1083.750	1028.500	972.188	915.875	860.625	804.313	726.750
92.5	1207.000	1150.688	1095.438	1039.125	982.813	938.188	893.563	848.938	804.313	732.063
95.0	1162.375	1106.063	1050.813	994.500	938.188	905.250	871.250	838.313	804.313	737.375
97.5	1140.063	1089.063	1039.125	989.188	938.188	899.938	860.625	821.313	782.000	726.750
100.0	1117.750	1073.125	1028.500	982.813	938.188	893.563	848.938	804.313	759.688	715.063
102.5	1028.500	989.188	949.875	910.563	871.250	838.313	804.313	771.375	737.375	698.063
105.0	938.188	905.250	871.250	838.313	804.313	782.000	759.688	737.375	715.063	682.125
107.5	625.813	620.500	614.125	608.813	603.500	586.500	569.500	553.563	536.563	497.250
110.0	312.375	334.688	358.063	380.375	402.688	391.000	380.375	368.688	358.063	312.375
112.5	200.813	212.500	223.125	234.813	245.438	240.125	234.813	229.500	223.125	207.188
115.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	100.938
117.5	89.250	89.250	89.250	89.250	89.250	83.938	78.625	72.250	66.938	78.625
120.0	89.250	89.250	89.250	89.250	89.250	78.625	66.938	56.313	44.625	56.313
122.5	89.250	83.938	78.625	72.250	66.938	61.625	56.313	49.938	44.625	56.313
125.0	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625	44.625	56.313
127.5	89.250	83.938	78.625	72.250	66.938	61.625	56.313	49.938	44.625	56.313
130.0	89.250	89.250	89.250	89.250	89.250	78.625	66.938	56.313	44.625	56.313
132.5	89.250	89.250	89.250	89.250	89.250	83.938	78.625	72.250	66.938	72.250
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
142.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
145.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
147.5	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625

CANDELA TABULATION - (Cont.)

167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1232.500	1248.438	1265.438	1265.438	1265.438	1265.438	1265.438	1260.125	1254.813	1248.438
5.0	1273.938	1307.938	1340.875	1340.875	1340.875	1340.875	1340.875	1330.250	1318.563	1307.938
7.5	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875	1346.188	1352.563	1357.875
10.0	1407.813	1374.875	1340.875	1340.875	1340.875	1340.875	1340.875	1363.188	1385.500	1407.813
12.5	1598.000	1536.375	1474.750	1474.750	1474.750	1474.750	1474.750	1497.063	1519.375	1541.688
15.0	1788.188	1698.938	1609.688	1609.688	1609.688	1609.688	1609.688	1632.000	1654.313	1676.625
17.5	1776.500	1771.188	1765.875	1782.875	1798.813	1815.813	1832.813	1855.125	1877.438	1899.750
20.0	1765.875	1843.438	1922.063	1956.063	1989.000	2023.000	2055.938	2078.250	2100.563	2122.875
22.5	1821.125	1961.375	2100.563	2134.563	2167.500	2201.500	2235.500	2268.438	2302.438	2335.375
25.0	1877.438	2078.250	2280.125	2313.063	2347.063	2380.000	2414.000	2458.625	2503.250	2547.875
27.5	1810.500	1810.500	1810.500	1877.438	1944.375	2011.313	2078.250	2184.500	2290.750	2397.000
30.0	1743.563	1541.688	1340.875	1441.813	1541.688	1642.625	1743.563	1911.438	2078.250	2246.125
32.5	1541.688	1318.563	1095.438	1162.375	1229.313	1296.250	1363.188	1458.813	1553.375	1647.938
35.0	1340.875	1095.438	848.938	882.938	915.875	949.875	983.875	1006.188	1028.500	1050.813
37.5	1162.375	938.188	715.063	749.063	782.000	816.000	848.938	865.938	882.938	899.938
40.0	982.813	782.000	581.188	614.125	648.125	682.125	715.063	726.750	737.375	749.063
42.5	826.625	692.750	558.875	581.188	603.500	625.813	648.125	653.438	659.813	665.125
45.0	670.438	603.500	536.563	547.188	558.875	569.500	581.188	581.188	581.188	581.188
47.5	658.750	598.188	536.563	541.875	547.188	553.563	558.875	553.563	547.188	541.875
50.0	648.125	591.813	536.563	536.563	536.563	536.563	536.563	524.875	514.250	502.563
52.5	737.375	715.063	692.750	682.125	670.438	659.813	648.125	625.813	603.500	581.188
55.0	826.625	838.313	848.938	826.625	804.313	782.000	759.688	726.750	692.750	659.813
57.5	804.313	782.000	759.688	742.688	726.750	709.750	692.750	670.438	648.125	625.813
60.0	782.000	726.750	670.438	659.813	648.125	636.438	625.813	614.125	603.500	591.813
62.5	782.000	692.750	603.500	603.500	603.500	603.500	603.500	598.188	591.813	586.500
65.0	782.000	659.813	536.563	547.188	558.875	569.500	581.188	581.188	581.188	581.188
67.5	771.375	653.438	536.563	547.188	558.875	569.500	581.188	586.500	591.813	598.188
70.0	759.688	648.125	536.563	547.188	558.875	569.500	581.188	591.813	603.500	614.125
72.5	726.750	620.500	514.250	531.250	547.188	564.188	581.188	598.188	614.125	631.125
75.0	692.750	591.813	491.938	514.250	536.563	558.875	581.188	603.500	625.813	648.125
77.5	682.125	586.500	491.938	514.250	536.563	558.875	581.188	603.500	625.813	648.125
80.0	670.438	581.188	491.938	514.250	536.563	558.875	581.188	603.500	625.813	648.125
82.5	670.438	581.188	491.938	514.250	536.563	558.875	581.188	603.500	625.813	648.125
85.0	670.438	581.188	491.938	514.250	536.563	558.875	581.188	603.500	625.813	648.125
87.5	658.750	575.875	491.938	514.250	536.563	558.875	581.188	598.188	614.125	631.125
90.0	648.125	569.500	491.938	514.250	536.563	558.875	581.188	591.813	603.500	614.125
92.5	658.750	586.500	514.250	531.250	547.188	564.188	581.188	591.813	603.500	614.125
95.0	670.438	603.500	536.563	547.188	558.875	569.500	581.188	591.813	603.500	614.125
97.5	670.438	614.125	558.875	569.500	581.188	591.813	603.500	608.813	614.125	620.500
100.0	670.438	625.813	581.188	591.813	603.500	614.125	625.813	625.813	625.813	625.813
102.5	659.813	620.500	581.188	581.188	581.188	581.188	581.188	575.875	569.500	564.188
105.0	648.125	614.125	581.188	569.500	558.875	547.188	536.563	524.875	514.250	502.563
107.5	457.938	418.625	380.375	374.000	368.688	363.375	358.063	346.375	335.750	324.063
110.0	267.750	223.125	178.500	178.500	178.500	178.500	178.500	167.875	156.188	145.563
112.5	190.188	173.188	156.188	156.188	156.188	156.188	156.188	150.875	145.563	139.188

CANDELA TABULATION - (Cont.)

115.0	111.563	123.250	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875
117.5	89.250	100.938	111.563	116.875	123.250	128.563	133.875	128.563	123.250	116.875
120.0	66.938	78.625	89.250	100.938	111.563	123.250	133.875	123.250	111.563	100.938
122.5	66.938	78.625	89.250	100.938	111.563	123.250	133.875	123.250	111.563	100.938
125.0	66.938	78.625	89.250	100.938	111.563	123.250	133.875	123.250	111.563	100.938
127.5	66.938	78.625	89.250	100.938	111.563	123.250	133.875	123.250	111.563	100.938
130.0	66.938	78.625	89.250	100.938	111.563	123.250	133.875	123.250	111.563	100.938
132.5	78.625	83.938	89.250	94.563	100.938	106.250	111.563	106.250	100.938	94.563
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
142.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
145.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
147.5	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938	66.938
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	39.313	34.000	27.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	34.000	22.313	11.688
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	39.313	34.000	27.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert.
Angles

Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1243.125	1248.438	1254.813	1260.125	1265.438	1265.438	1265.438	1265.438	1265.438	1265.438
5.0	1296.250	1307.938	1318.563	1330.250	1340.875	1340.875	1340.875	1340.875	1340.875	1340.875
7.5	1363.188	1390.813	1419.500	1447.125	1474.750	1491.750	1508.750	1525.750	1541.688	1548.063
10.0	1430.125	1474.750	1519.375	1564.000	1609.688	1642.625	1676.625	1709.563	1743.563	1754.188
12.5	1564.000	1609.688	1654.313	1698.938	1743.563	1776.500	1810.500	1843.438	1877.438	1894.438
15.0	1698.938	1743.563	1788.188	1832.813	1877.438	1911.438	1944.375	1978.375	2011.313	2033.625
17.5	1922.063	1949.688	1978.375	2006.000	2033.625	2033.625	2033.625	2033.625	2033.625	2011.313
20.0	2145.188	2156.875	2167.500	2179.188	2189.813	2156.875	2122.875	2089.938	2055.938	1989.000
22.5	2369.375	2374.688	2380.000	2385.313	2391.688	2307.750	2223.813	2139.875	2055.938	1972.000
25.0	2592.500	2592.500	2592.500	2592.500	2592.500	2458.625	2324.750	2189.813	2055.938	1956.063
27.5	2503.250	2542.563	2581.875	2620.125	2659.438	2564.875	2469.250	2374.688	2280.125	2156.875
30.0	2414.000	2491.563	2570.188	2648.813	2726.375	2671.125	2614.813	2559.563	2503.250	2357.688
32.5	1743.563	1849.813	1956.063	2061.250	2167.500	2240.813	2313.063	2385.313	2458.625	2335.375
35.0	1073.125	1207.000	1340.875	1474.750	1609.688	1810.500	2011.313	2212.125	2414.000	2313.063
37.5	915.875	1016.813	1117.750	1217.625	1318.563	1452.438	1586.313	1721.250	1855.125	1821.125
40.0	759.688	826.625	893.563	961.563	1028.500	1095.438	1162.375	1229.313	1296.250	1330.250
42.5	670.438	709.750	749.063	787.313	826.625	871.250	915.875	961.563	1006.188	1022.125
45.0	581.188	591.813	603.500	614.125	625.813	648.125	670.438	692.750	715.063	715.063
47.5	536.563	541.875	547.188	553.563	558.875	569.500	581.188	591.813	603.500	603.500
50.0	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938	491.938
52.5	558.875	541.875	524.875	508.938	491.938	508.938	524.875	541.875	558.875	553.563
55.0	625.813	591.813	558.875	524.875	491.938	524.875	558.875	591.813	625.813	614.125
57.5	603.500	581.188	558.875	536.563	514.250	547.188	581.188	614.125	648.125	665.125
60.0	581.188	569.500	558.875	547.188	536.563	569.500	603.500	636.438	670.438	715.063

CANDELA TABULATION - (Cont.)

62.5	581.188	581.188	581.188	581.188	581.188	620.500	659.813	698.063	737.375	759.688
65.0	581.188	591.813	603.500	614.125	625.813	670.438	715.063	759.688	804.313	804.313
67.5	603.500	620.500	636.438	653.438	670.438	715.063	759.688	804.313	848.938	826.625
70.0	625.813	648.125	670.438	692.750	715.063	759.688	804.313	848.938	893.563	848.938
72.5	648.125	670.438	692.750	715.063	737.375	787.313	838.313	888.250	938.188	882.938
75.0	670.438	692.750	715.063	737.375	759.688	816.000	871.250	927.563	983.875	915.875
77.5	670.438	692.750	715.063	737.375	759.688	804.313	848.938	893.563	938.188	888.250
80.0	670.438	692.750	715.063	737.375	759.688	793.688	826.625	860.625	893.563	860.625
82.5	670.438	687.438	704.438	720.375	737.375	759.688	782.000	804.313	826.625	816.000
85.0	670.438	682.125	692.750	704.438	715.063	726.750	737.375	749.063	759.688	771.375
87.5	648.125	665.125	682.125	698.063	715.063	720.375	726.750	732.063	737.375	742.688
90.0	625.813	648.125	670.438	692.750	715.063	715.063	715.063	715.063	715.063	715.063
92.5	625.813	642.813	659.813	675.750	692.750	698.063	704.438	709.750	715.063	709.750
95.0	625.813	636.438	648.125	659.813	670.438	682.125	692.750	704.438	715.063	704.438
97.5	625.813	642.813	659.813	675.750	692.750	698.063	704.438	709.750	715.063	698.063
100.0	625.813	648.125	670.438	692.750	715.063	715.063	715.063	715.063	715.063	692.750
102.5	558.875	558.875	558.875	558.875	558.875	553.563	547.188	541.875	536.563	519.563
105.0	491.938	469.625	447.313	425.000	402.688	391.000	380.375	368.688	358.063	346.375
107.5	312.375	301.750	290.063	279.438	267.750	262.438	257.125	251.813	245.438	240.125
110.0	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875
112.5	133.875	128.563	123.250	116.875	111.563	111.563	111.563	111.563	111.563	111.563
115.0	133.875	123.250	111.563	100.938	89.250	89.250	89.250	89.250	89.250	89.250
117.5	111.563	106.250	100.938	94.563	89.250	89.250	89.250	89.250	89.250	89.250
120.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
122.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
125.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
127.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
130.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
132.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
135.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
137.5	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	83.938
140.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	78.625
142.5	89.250	83.938	78.625	72.250	66.938	66.938	66.938	66.938	66.938	61.625
145.0	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625	44.625	44.625
147.5	66.938	61.625	56.313	49.938	44.625	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313	44.625	44.625
160.0	0.000	0.000	0.000	0.000	0.000	11.688	22.313	34.000	44.625	44.625
162.5	22.313	22.313	22.313	22.313	22.313	27.625	34.000	39.313	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Angles Horizontal Angles

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1265.438	1265.438	1265.438	1260.125	1254.813	1248.438	1243.125	1243.125	1243.125	1243.125
5.0	1340.875	1340.875	1340.875	1330.250	1318.563	1307.938	1296.250	1296.250	1296.250	1296.250
7.5	1553.375	1558.688	1564.000	1558.688	1553.375	1548.063	1541.688	1536.375	1531.063	1525.750

CANDELA TABULATION - (Cont.)

10.0	1765.875	1776.500	1788.188	1788.188	1788.188	1788.188	1788.188	1776.500	1765.875	1754.188
12.5	1911.438	1927.375	1944.375	1939.063	1933.750	1927.375	1922.063	1899.750	1877.438	1855.125
15.0	2055.938	2078.250	2100.563	2089.938	2078.250	2067.625	2055.938	2023.000	1989.000	1956.063
17.5	1989.000	1966.688	1944.375	1911.438	1877.438	1843.438	1810.500	1771.188	1731.875	1692.563
20.0	1922.063	1855.125	1788.188	1731.875	1676.625	1620.313	1564.000	1519.375	1474.750	1430.125
22.5	1888.063	1805.188	1721.250	1687.250	1654.313	1620.313	1586.313	1558.688	1531.063	1503.438
25.0	1855.125	1754.188	1654.313	1642.625	1632.000	1620.313	1609.688	1598.000	1586.313	1575.688
27.5	2033.625	1911.438	1788.188	1771.188	1754.188	1737.188	1721.250	1726.563	1731.875	1737.188
30.0	2212.125	2067.625	1922.063	1899.750	1877.438	1855.125	1832.813	1855.125	1877.438	1899.750
32.5	2212.125	2089.938	1966.688	1905.063	1843.438	1782.875	1721.250	1737.188	1754.188	1771.188
35.0	2212.125	2112.250	2011.313	1911.438	1810.500	1709.563	1609.688	1620.313	1632.000	1642.625
37.5	1788.188	1754.188	1721.250	1632.000	1541.688	1452.438	1363.188	1357.875	1352.563	1346.188
40.0	1363.188	1397.188	1430.125	1352.563	1273.938	1195.313	1117.750	1095.438	1073.125	1050.813
42.5	1039.125	1056.125	1073.125	1022.125	972.188	922.250	871.250	838.313	804.313	771.375
45.0	715.063	715.063	715.063	692.750	670.438	648.125	625.813	581.188	536.563	491.938
47.5	603.500	603.500	603.500	591.813	581.188	569.500	558.875	524.875	491.938	457.938
50.0	491.938	491.938	491.938	491.938	491.938	491.938	491.938	469.625	447.313	425.000
52.5	547.188	541.875	536.563	591.813	648.125	704.438	759.688	715.063	670.438	625.813
55.0	603.500	591.813	581.188	692.750	804.313	915.875	1028.500	961.563	893.563	826.625
57.5	682.125	698.063	715.063	932.875	1150.688	1368.500	1586.313	1424.813	1262.250	1100.750
60.0	759.688	804.313	848.938	1173.000	1497.063	1821.125	2145.188	1888.063	1632.000	1374.875
62.5	782.000	804.313	826.625	1134.750	1441.813	1748.875	2055.938	1805.188	1553.375	1301.563
65.0	804.313	804.313	804.313	1095.438	1385.500	1676.625	1966.688	1721.250	1474.750	1229.313
67.5	804.313	782.000	759.688	1083.750	1407.813	1731.875	2055.938	1793.500	1531.063	1268.625
70.0	804.313	759.688	715.063	1073.125	1430.125	1788.188	2145.188	1865.750	1586.313	1307.938
72.5	826.625	771.375	715.063	1083.750	1452.438	1821.125	2189.813	1905.063	1620.313	1335.563
75.0	848.938	782.000	715.063	1095.438	1474.750	1855.125	2235.500	1944.375	1654.313	1363.188
77.5	838.313	787.313	737.375	1106.063	1474.750	1843.438	2212.125	1927.375	1642.625	1357.875
80.0	826.625	793.688	759.688	1117.750	1474.750	1832.813	2189.813	1911.438	1632.000	1352.563
82.5	804.313	793.688	782.000	1123.063	1464.125	1805.188	2145.188	1877.438	1609.688	1340.875
85.0	782.000	793.688	804.313	1128.375	1452.438	1776.500	2100.563	1843.438	1586.313	1330.250
87.5	749.063	754.375	759.688	1089.063	1419.500	1748.875	2078.250	1827.500	1575.688	1323.875
90.0	715.063	715.063	715.063	1050.813	1385.500	1721.250	2055.938	1810.500	1564.000	1318.563
92.5	704.438	698.063	692.750	1033.813	1374.875	1714.875	2055.938	1815.813	1575.688	1335.563
95.0	692.750	682.125	670.438	1016.813	1363.188	1709.563	2055.938	1821.125	1586.313	1352.563
97.5	682.125	665.125	648.125	977.500	1307.938	1637.313	1966.688	1748.875	1531.063	1313.250
100.0	670.438	648.125	625.813	938.188	1251.625	1564.000	1877.438	1676.625	1474.750	1273.938
102.5	502.563	486.625	469.625	720.375	972.188	1224.000	1474.750	1352.563	1229.313	1106.063
105.0	335.750	324.063	312.375	502.563	692.750	882.938	1073.125	1028.500	983.875	938.188
107.5	234.813	229.500	223.125	318.750	413.313	508.938	603.500	581.188	558.875	536.563
110.0	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875	133.875
112.5	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563	111.563
115.0	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250	89.250
117.5	89.250	89.250	89.250	83.938	78.625	72.250	66.938	66.938	66.938	66.938
120.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
122.5	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
125.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
127.5	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
130.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	44.625	44.625	44.625
132.5	89.250	89.250	89.250	78.625	66.938	56.313	44.625	49.938	56.313	61.625
135.0	89.250	89.250	89.250	78.625	66.938	56.313	44.625	56.313	66.938	78.625
137.5	78.625	72.250	66.938	61.625	56.313	49.938	44.625	56.313	66.938	78.625
140.0	66.938	56.313	44.625	44.625	44.625	44.625	44.625	56.313	66.938	78.625
142.5	56.313	49.938	44.625	44.625	44.625	44.625	44.625	49.938	56.313	61.625
145.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625

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CANDELA TABULATION - (Cont.)

150.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
152.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
155.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
157.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
160.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
162.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
165.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
167.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
170.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938	32.938

Vert. Horizontal Angles

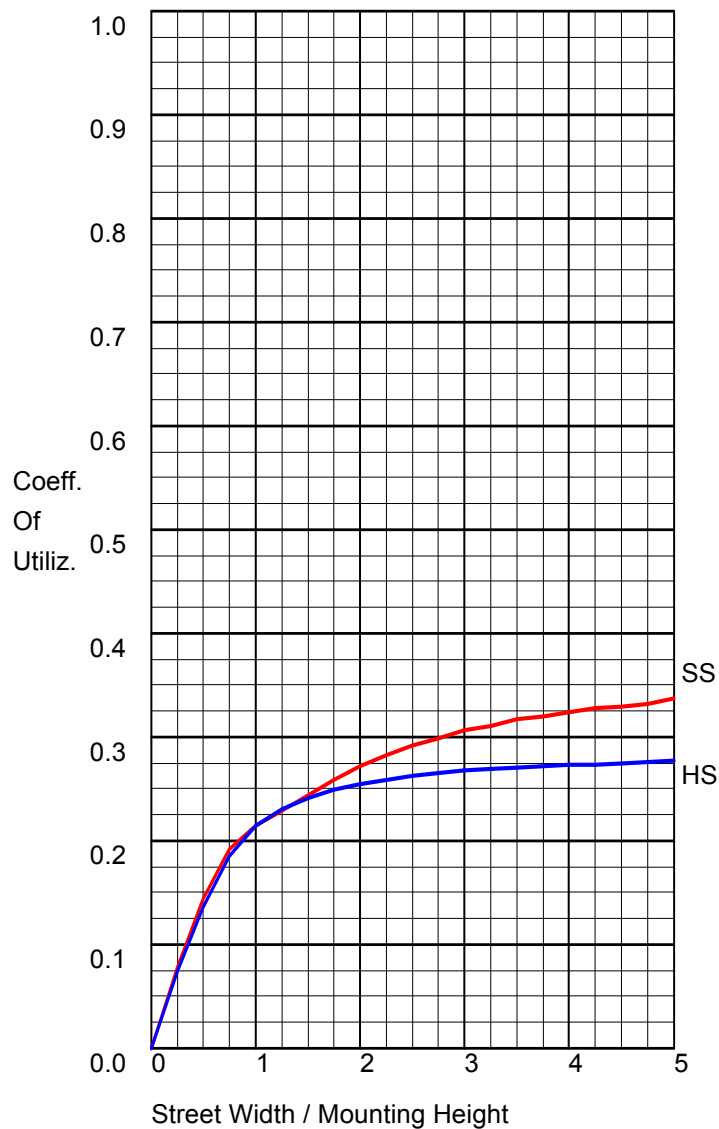
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1190.000	1190.000	1190.000	1190.000	1190.000
2.5	1243.125	1237.813	1232.500	1226.125	1220.813
5.0	1296.250	1285.625	1273.938	1262.250	1251.625
7.5	1519.375	1503.438	1486.438	1469.438	1452.438
10.0	1743.563	1721.250	1698.938	1676.625	1654.313
12.5	1832.813	1805.188	1776.500	1748.875	1721.250
15.0	1922.063	1888.063	1855.125	1821.125	1788.188
17.5	1654.313	1625.625	1598.000	1570.375	1541.688
20.0	1385.500	1363.188	1340.875	1318.563	1296.250
22.5	1474.750	1458.813	1441.813	1424.813	1407.813
25.0	1564.000	1553.375	1541.688	1531.063	1519.375
27.5	1743.563	1731.875	1721.250	1709.563	1698.938
30.0	1922.063	1911.438	1899.750	1888.063	1877.438
32.5	1788.188	1754.188	1721.250	1687.250	1654.313
35.0	1654.313	1598.000	1541.688	1486.438	1430.125
37.5	1340.875	1285.625	1229.313	1173.000	1117.750
40.0	1028.500	972.188	915.875	860.625	804.313
42.5	737.375	698.063	659.813	620.500	581.188
45.0	447.313	425.000	402.688	380.375	358.063
47.5	425.000	408.000	391.000	374.000	358.063
50.0	402.688	391.000	380.375	368.688	358.063
52.5	581.188	564.188	547.188	531.250	514.250
55.0	759.688	737.375	715.063	692.750	670.438
57.5	938.188	899.938	860.625	821.313	782.000
60.0	1117.750	1061.438	1006.188	949.875	893.563
62.5	1050.813	999.813	949.875	899.938	848.938
65.0	983.875	938.188	893.563	848.938	804.313
67.5	1006.188	961.563	915.875	871.250	826.625
70.0	1028.500	983.875	938.188	893.563	848.938
72.5	1050.813	994.500	938.188	882.938	826.625
75.0	1073.125	1006.188	938.188	871.250	804.313
77.5	1073.125	1011.500	949.875	888.250	826.625
80.0	1073.125	1016.813	961.563	905.250	848.938
82.5	1073.125	1011.500	949.875	888.250	826.625
85.0	1073.125	1006.188	938.188	871.250	804.313
87.5	1073.125	1006.188	938.188	871.250	804.313
90.0	1073.125	1006.188	938.188	871.250	804.313
92.5	1095.438	1022.125	949.875	877.625	804.313
95.0	1117.750	1039.125	961.563	882.938	804.313

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CANDELA TABULATION - (Cont.)

97.5	1095.438	1016.813	938.188	860.625	782.000
100.0	1073.125	994.500	915.875	838.313	759.688
102.5	983.875	910.563	838.313	765.000	692.750
105.0	893.563	826.625	759.688	692.750	625.813
107.5	514.250	474.938	435.625	396.313	358.063
110.0	133.875	123.250	111.563	100.938	89.250
112.5	111.563	100.938	89.250	78.625	66.938
115.0	89.250	78.625	66.938	56.313	44.625
117.5	66.938	61.625	56.313	49.938	44.625
120.0	44.625	44.625	44.625	44.625	44.625
122.5	44.625	44.625	44.625	44.625	44.625
125.0	44.625	44.625	44.625	44.625	44.625
127.5	44.625	44.625	44.625	44.625	44.625
130.0	44.625	44.625	44.625	44.625	44.625
132.5	66.938	61.625	56.313	49.938	44.625
135.0	89.250	78.625	66.938	56.313	44.625
137.5	89.250	78.625	66.938	56.313	44.625
140.0	89.250	78.625	66.938	56.313	44.625
142.5	66.938	61.625	56.313	49.938	44.625
145.0	44.625	44.625	44.625	44.625	44.625
147.5	44.625	44.625	44.625	44.625	44.625
150.0	44.625	44.625	44.625	44.625	44.625
152.5	44.625	39.313	34.000	27.625	22.313
155.0	44.625	34.000	22.313	11.688	0.000
157.5	44.625	34.000	22.313	11.688	0.000
160.0	44.625	34.000	22.313	11.688	0.000
162.5	44.625	34.000	22.313	11.688	0.000
165.0	44.625	34.000	22.313	11.688	0.000
167.5	44.625	39.313	34.000	27.625	22.313
170.0	44.625	44.625	44.625	44.625	44.625
172.5	44.625	44.625	44.625	44.625	44.625
175.0	44.625	44.625	44.625	44.625	44.625
177.5	39.313	39.313	39.313	39.313	39.313
180.0	32.938	32.938	32.938	32.938	32.938

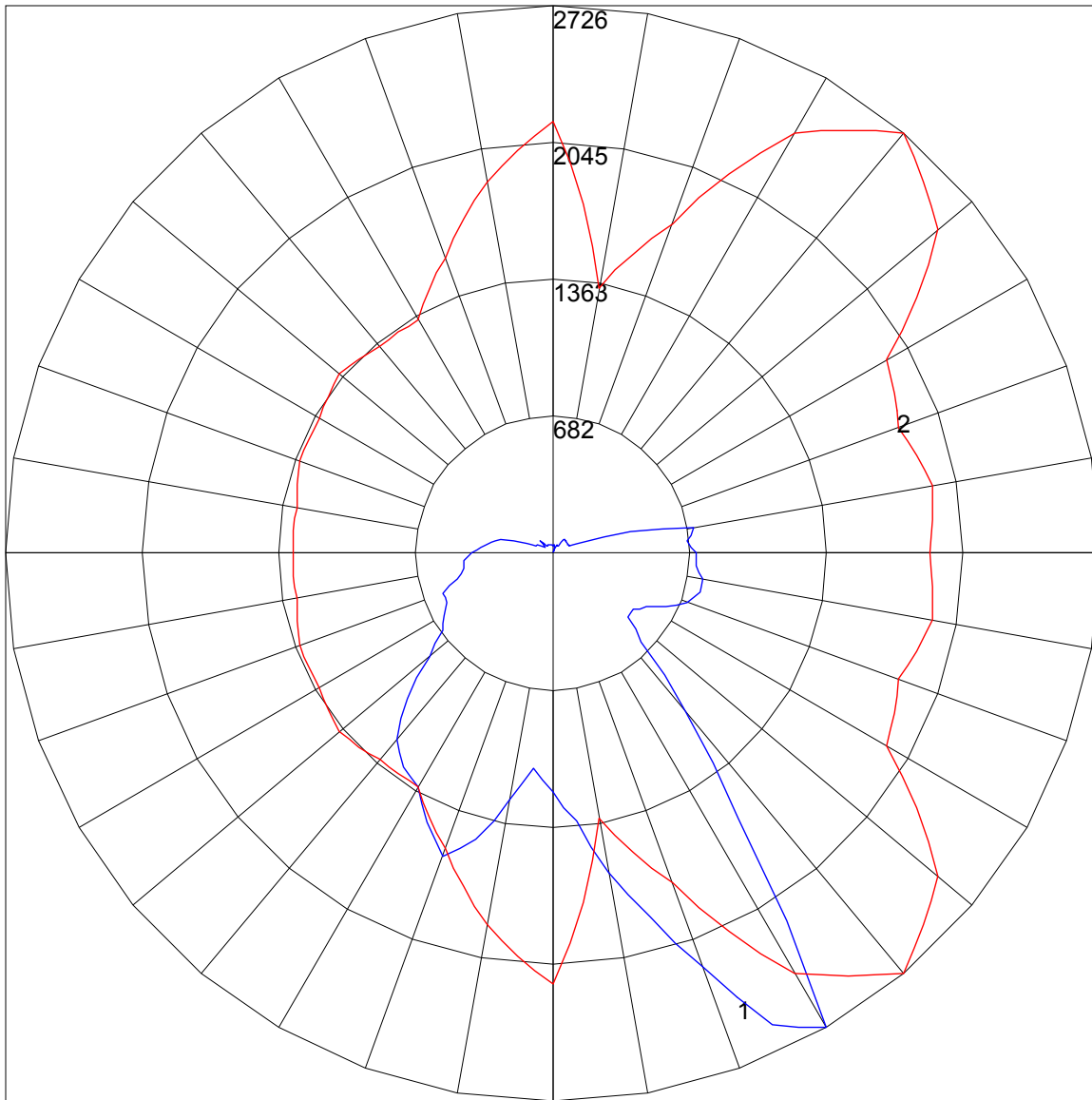
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

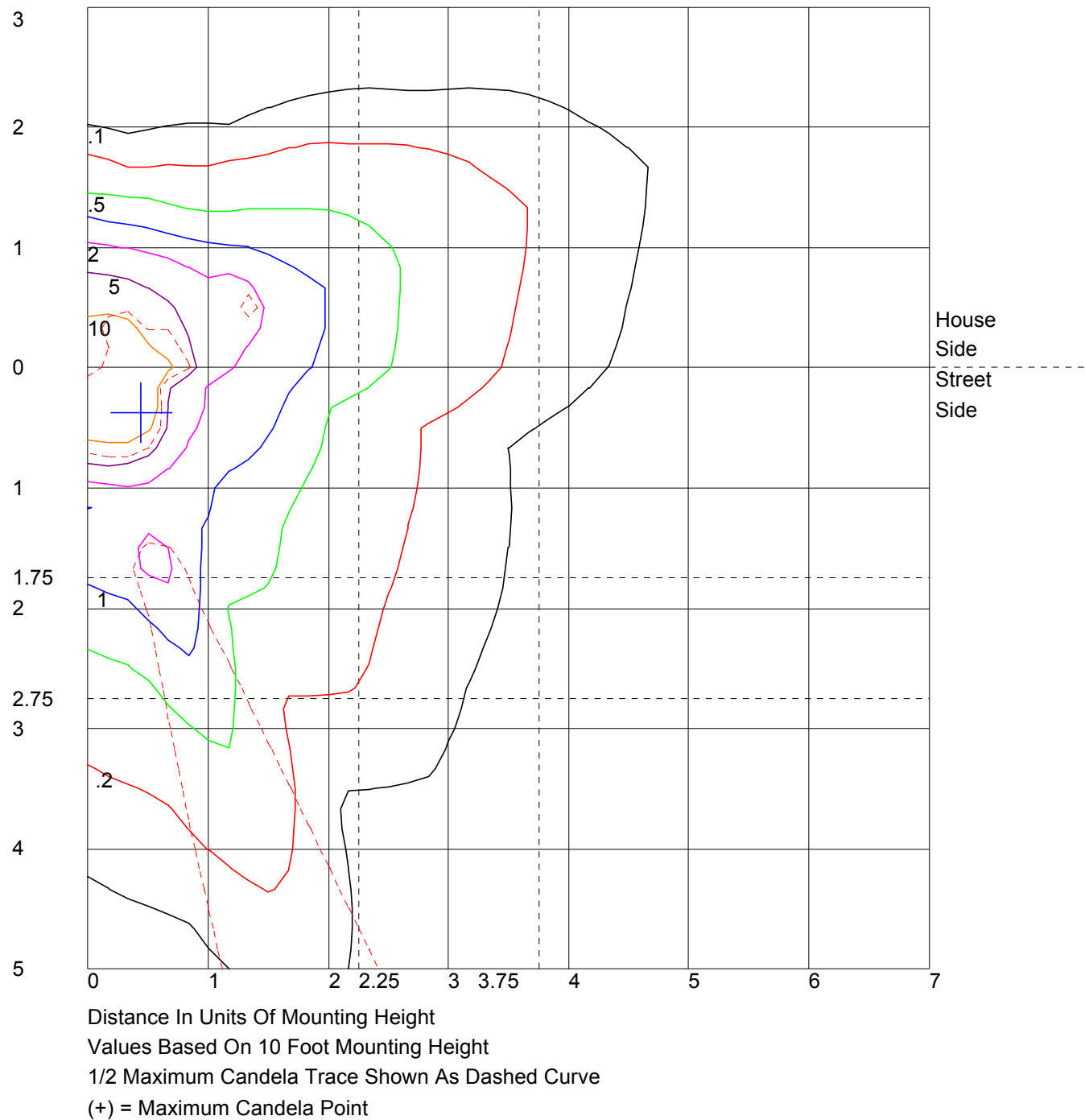
	Lumens	Percent Of Lamp
Downward Street Side	3249.9	38.2
Downward House Side	2462.2	29.0
Downward Total	5712.1	67.2
Upward Street Side	916.1	10.8
Upward House Side	540.0	6.4
Upward Total	1456.1	17.1
Total Flux	7168.2	84.3

POLAR GRAPH

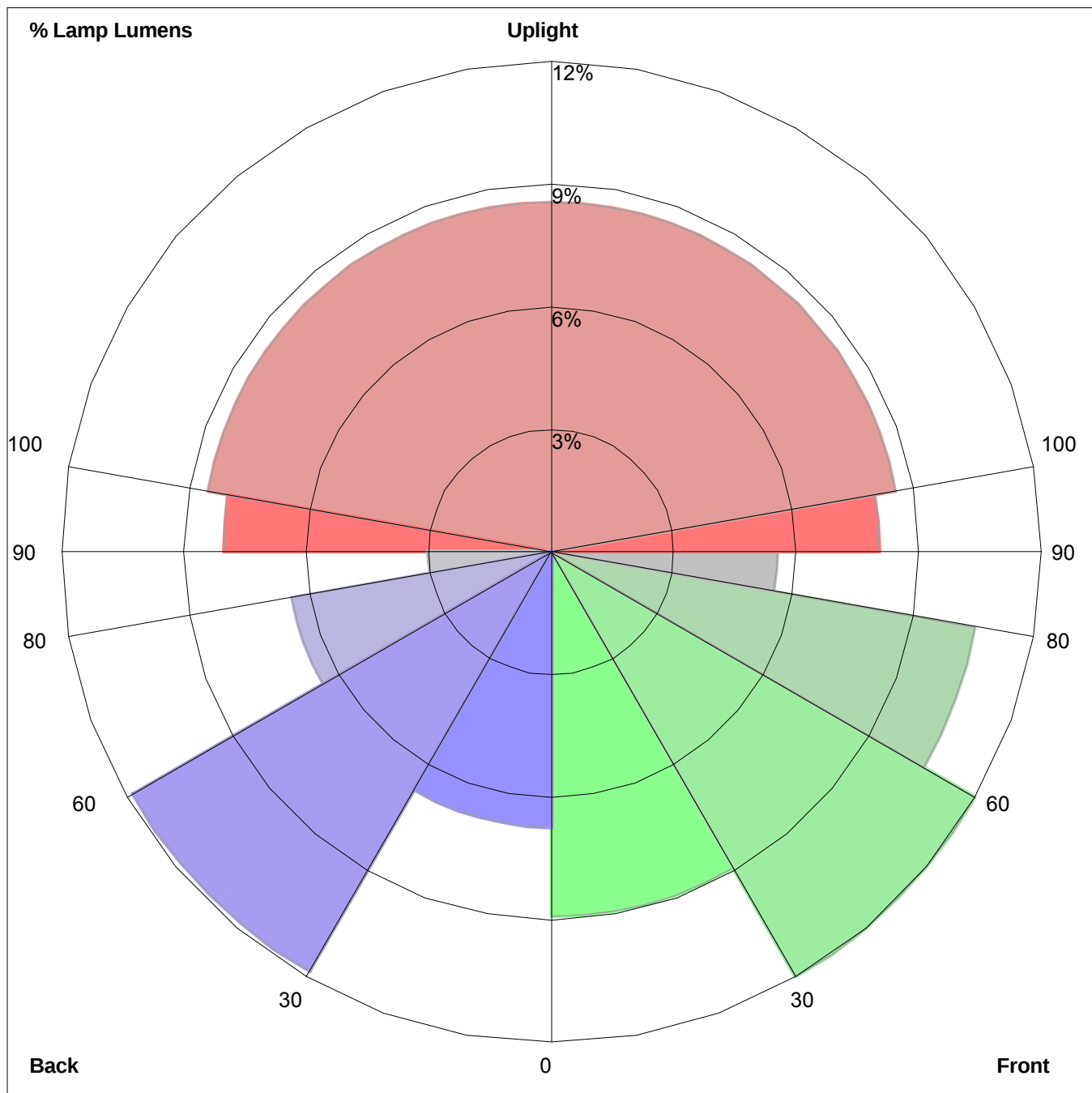


Maximum Candela = 2726.375 Located At Horizontal Angle = 50, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Lamp Lumens:
Front: Low=9.2%, Medium=12.4%, High=10.9%, Very High=5.7%
Back: Low=7.0%, Medium=12.2%, High=6.7%, Very High=3.1%
Uplight: Low=8.3%, High=8.8%

BUG Rating : B2-U4-G3