



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLP-24AD-45W-35K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] BLP-24-A-D

[LUMINAIRE] 45W power setting, 3500K CCT

[TESTLAB]

[TESTDATE] 2023-01-10

[ISSUEDATE] 2023-01-16 13:19:29

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-3000H_V1 SYSTEM

[MANUFAC] Lamar LED

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	176.32	176.32	3.22	3.22
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[OTHER]	10- 20	503.64	679.96	12.41	12.41
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[OTHER]	20- 30	768.94	1448.89	26.44	26.44
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[OTHER]	30- 40	929.85	2378.74	43.42	43.42
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[OTHER]	40- 50	974.05	3352.79	61.19	61.19
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[OTHER]	50- 60	886.05	4238.84	77.37	77.37
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[OTHER]	60- 70	684.43	4923.26	89.86	89.86
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[OTHER]	70- 80	417.83	5341.09	97.48	97.48
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[OTHER]	80- 90	137.83	5478.92	100.00	100.00
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[OTHER]	90-100	0.00	5478.92	100.00	100.00
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[OTHER]	100-110	0.00	5478.92	100.00	100.00
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[OTHER]	110-120	0.00	5478.92	100.00	100.00
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[OTHER]	120-130	0.00	5478.92	100.00	100.00
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[OTHER]	130-140	0.00	5478.92	100.00	100.00
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[OTHER]	140-150	0.00	5478.92	100.00	100.00
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[OTHER]	150-160	0.00	5478.92	100.00	100.00
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[OTHER]	160-170	0.00	5478.92	100.00	100.00
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[OTHER]	170-180	0.00	5478.92	100.00	100.00
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[OTHER]

Note: Candela values converted from Type-B to Type-C

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CHARACTERISTICS

Lumens Per Lamp	5478.9 (1 lamp)
Total Lamp Lumens	5478.9
Luminaire Lumens	5476
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	43.9935
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2393	2376	2464
55	2253	2345	2395
65	2112	2171	2279
75	2045	1993	2071
85	2043	1963	1255

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CANDELA TABULATION

	<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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1866.62	1866.50	1866.41	1866.37	1866.36	1866.38	1866.44	1866.54	1866.67	1866.84
5.0	1848.05	1847.82	1847.65	1847.56	1847.54	1847.59	1847.72	1847.91	1848.17	1848.51
7.5	1829.49	1829.14	1828.90	1828.76	1828.74	1828.81	1829.00	1829.29	1829.68	1830.18
10.0	1810.92	1810.46	1810.15	1809.97	1809.94	1810.04	1810.29	1810.67	1811.19	1811.85
12.5	1792.36	1791.79	1791.40	1791.19	1791.14	1791.27	1791.57	1792.05	1792.70	1793.52
15.0	1773.79	1773.12	1772.66	1772.40	1772.35	1772.50	1772.86	1773.42	1773.97	1773.27
17.5	1755.23	1754.46	1753.92	1753.63	1753.56	1753.73	1754.14	1754.27	1753.20	1752.39
20.0	1736.66	1735.80	1735.19	1734.85	1734.77	1734.96	1735.20	1733.70	1732.49	1731.57
22.5	1701.87	1701.06	1700.78	1701.04	1701.83	1703.17	1703.23	1703.19	1703.70	1704.77
25.0	1667.08	1666.21	1665.92	1666.21	1667.08	1667.90	1667.25	1667.20	1667.75	1668.91
27.5	1616.07	1615.31	1615.47	1616.54	1618.51	1619.52	1620.42	1622.24	1625.00	1628.15
30.0	1565.05	1564.29	1564.49	1565.65	1567.76	1567.82	1568.78	1570.73	1573.66	1574.60
32.5	1514.03	1513.27	1513.52	1514.77	1516.16	1516.16	1517.17	1519.22	1520.68	1521.26
35.0	1463.01	1462.26	1462.56	1463.90	1464.54	1464.53	1465.58	1467.48	1467.47	1468.13
37.5	1412.00	1411.26	1411.61	1413.02	1412.97	1412.94	1414.01	1414.84	1414.47	1415.20
40.0	1360.98	1360.27	1360.66	1362.14	1361.43	1361.38	1362.45	1361.98	1361.65	1362.44
42.5	1309.96	1309.29	1309.72	1311.12	1309.92	1309.84	1310.74	1309.31	1309.01	1309.75
45.0	1258.94	1258.30	1258.78	1259.70	1258.45	1258.32	1258.22	1256.81	1256.53	1255.73
47.5	1184.57	1184.20	1185.46	1187.23	1187.82	1190.04	1191.96	1193.96	1197.60	1199.71
50.0	1110.19	1109.85	1111.11	1112.50	1113.15	1115.41	1116.67	1118.72	1122.00	1123.35
52.5	1035.82	1035.50	1036.75	1037.82	1038.52	1040.80	1041.48	1043.56	1045.79	1047.27
55.0	961.44	961.15	962.38	963.17	963.92	965.85	966.39	968.47	969.85	971.44
57.5	887.06	886.80	888.00	888.57	889.34	890.82	891.39	893.45	894.16	895.83
60.0	812.69	812.45	813.61	813.99	814.79	815.87	816.46	818.34	818.68	820.43
62.5	738.32	738.10	739.22	739.46	740.26	741.01	741.60	742.94	743.41	745.21
65.0	663.95	663.76	664.81	664.94	665.75	666.22	666.80	667.74	668.33	669.83
67.5	594.11	593.90	594.78	594.65	595.19	595.12	595.28	595.44	595.54	596.04
70.0	524.26	524.09	524.89	524.72	525.24	525.03	525.20	525.18	525.36	525.61
72.5	458.96	458.77	459.41	459.07	459.34	458.78	458.63	458.09	457.85	457.40
75.0	393.65	393.49	394.05	393.71	393.97	393.39	393.27	392.71	392.52	391.98
77.5	328.35	328.21	328.69	328.37	328.59	328.05	327.96	327.42	327.27	326.71
80.0	263.04	262.93	263.30	263.05	263.23	262.76	262.69	262.21	262.10	261.58
82.5	197.74	197.65	197.94	197.73	197.83	197.50	197.46	197.06	196.99	196.56
85.0	132.43	132.37	132.57	132.42	132.51	132.26	132.21	131.97	131.86	131.61
87.5	67.13	67.10	67.19	67.12	67.17	67.04	67.03	66.90	66.88	66.72
90.0	1.82	1.82	1.82	1.82	1.82	1.83	1.84	1.85	1.86	1.86

Vert. Angles **Horizontal 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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1867.04	1867.27	1867.54	1867.85	1868.18	1868.55	1868.95	1869.38	1869.85	1870.34
5.0	1848.91	1849.38	1849.92	1850.53	1851.20	1851.93	1852.73	1853.59	1854.52	1855.50
7.5	1830.78	1831.49	1832.29	1833.20	1834.21	1835.31	1836.50	1837.62	1838.32	1839.74
10.0	1812.65	1813.59	1814.63	1814.85	1815.15	1815.61	1816.22	1816.99	1817.91	1818.98
12.5	1793.81	1793.60	1793.59	1793.76	1794.13	1794.70	1795.46	1796.41	1797.55	1798.88
15.0	1772.79	1772.54	1772.52	1772.73	1773.17	1773.84	1774.73	1775.63	1775.46	1775.56
17.5	1751.83	1751.54	1751.51	1751.75	1751.98	1751.25	1750.35	1749.79	1749.56	1749.66
20.0	1730.93	1730.59	1730.55	1728.91	1727.13	1725.72	1724.67	1724.15	1723.70	1723.79
22.5	1706.40	1708.01	1706.32	1703.91	1701.88	1700.27	1699.06	1698.14	1695.92	1694.02
25.0	1669.78	1669.12	1669.12	1669.76	1671.05	1672.36	1671.36	1668.12	1665.40	1663.24
27.5	1629.49	1630.41	1630.38	1631.05	1631.44	1630.84	1631.02	1631.99	1633.74	1631.60
30.0	1576.08	1578.55	1582.02	1584.92	1587.45	1588.65	1588.76	1589.72	1589.86	1590.30

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32.5	1522.90	1525.53	1527.68	1529.25	1531.92	1535.70	1540.15	1543.72	1544.06	1544.39
35.0	1469.86	1471.75	1472.25	1473.88	1476.66	1479.63	1482.08	1485.77	1490.72	1496.90
37.5	1416.49	1416.61	1417.11	1418.77	1420.69	1421.89	1424.36	1428.11	1431.88	1435.16
40.0	1362.46	1361.76	1362.24	1363.48	1363.36	1364.50	1366.94	1368.86	1370.68	1373.90
42.5	1307.95	1307.18	1307.62	1306.63	1306.38	1307.43	1309.26	1308.31	1309.99	1313.11
45.0	1253.71	1252.87	1251.82	1250.15	1249.74	1249.52	1248.22	1248.29	1249.79	1249.57
47.5	1199.73	1198.08	1195.87	1194.01	1193.38	1190.50	1188.95	1188.78	1187.03	1186.47
50.0	1126.32	1129.60	1132.46	1136.96	1135.19	1132.04	1130.21	1127.42	1125.03	1124.11
52.5	1050.33	1052.43	1055.40	1059.54	1062.17	1066.42	1070.72	1066.56	1063.78	1061.00
55.0	974.16	975.69	978.75	981.37	984.06	987.43	991.11	995.32	1000.52	997.72
57.5	897.71	899.35	902.05	903.83	906.56	909.38	912.00	916.16	919.35	923.70
60.0	821.63	823.37	825.51	826.86	829.61	831.12	833.73	836.64	839.34	843.52
62.5	745.91	747.73	749.00	750.42	752.40	753.65	756.23	757.82	760.43	763.29
65.0	670.49	672.38	672.99	674.47	675.61	676.91	678.73	680.04	682.56	684.01
67.5	596.11	597.00	597.42	598.96	599.49	600.85	601.89	603.22	604.84	606.09
70.0	525.78	526.17	525.86	526.19	525.60	525.93	525.91	527.29	528.17	529.44
72.5	457.04	456.47	455.58	455.57	455.13	455.14	454.57	454.69	453.94	453.95
75.0	391.68	390.94	390.16	389.18	388.06	386.94	385.58	384.91	383.78	383.58
77.5	326.48	325.67	325.02	323.99	323.04	321.86	320.69	319.37	317.93	316.44
80.0	261.40	260.63	260.12	259.15	258.38	257.27	256.30	255.03	253.83	252.34
82.5	196.42	195.78	195.39	194.59	194.01	193.08	192.34	191.26	190.33	189.04
85.0	131.53	131.07	130.81	130.24	129.86	129.19	128.69	127.91	127.28	126.34
87.5	66.67	66.45	66.30	66.03	65.82	65.50	65.20	64.85	64.47	64.04
90.0	1.86	1.87	1.88	1.90	1.91	1.92	1.92	1.94	1.95	1.96

**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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1870.85	1871.40	1871.97	1872.57	1873.19	1873.83	1874.50	1875.19	1875.89	1876.61
5.0	1856.53	1857.62	1858.76	1859.96	1861.20	1862.49	1863.82	1865.19	1866.60	1868.04
7.5	1840.05	1841.09	1842.23	1843.49	1844.85	1846.31	1847.87	1849.54	1851.30	1853.15
10.0	1820.21	1821.58	1823.10	1824.76	1826.85	1828.51	1830.58	1832.79	1835.13	1837.58
12.5	1800.40	1802.10	1803.30	1804.38	1805.69	1807.25	1809.04	1811.06	1813.32	1815.80
15.0	1775.96	1776.65	1777.63	1778.90	1780.46	1782.30	1784.43	1786.84	1789.53	1792.50
17.5	1750.10	1750.87	1751.99	1753.44	1754.96	1756.01	1757.48	1759.36	1761.65	1764.36
20.0	1723.72	1722.99	1722.73	1722.94	1723.62	1724.78	1726.41	1728.52	1731.10	1734.16
22.5	1692.64	1691.77	1691.42	1691.60	1692.31	1693.56	1694.53	1695.69	1697.47	1699.89
25.0	1661.64	1660.61	1659.49	1657.96	1657.09	1656.88	1657.36	1658.51	1660.37	1662.92
27.5	1628.95	1625.77	1623.27	1621.46	1620.37	1620.00	1620.38	1620.81	1622.07	1622.97
30.0	1591.66	1590.21	1587.35	1584.52	1582.06	1579.65	1578.19	1577.70	1578.22	1579.74
32.5	1545.70	1547.36	1549.10	1543.83	1540.03	1537.22	1535.90	1534.75	1534.24	1534.35
35.0	1497.09	1496.56	1497.22	1499.08	1498.25	1493.48	1489.38	1486.57	1485.09	1484.97
37.5	1439.83	1446.62	1445.30	1445.99	1446.57	1445.96	1441.28	1437.99	1436.13	1434.55
40.0	1378.58	1383.12	1388.01	1390.59	1390.82	1392.58	1392.00	1386.27	1382.24	1379.94
42.5	1314.98	1318.12	1322.87	1329.31	1333.68	1332.78	1333.67	1333.06	1328.36	1325.26
45.0	1250.88	1253.77	1257.49	1261.13	1266.62	1272.99	1273.36	1273.93	1271.06	1265.80
47.5	1188.28	1188.44	1189.90	1193.15	1198.29	1203.66	1209.42	1208.96	1210.76	1206.73
50.0	1122.93	1122.20	1123.18	1125.48	1127.54	1131.69	1138.05	1144.54	1143.61	1144.06
52.5	1058.14	1056.88	1056.32	1055.76	1057.13	1060.61	1064.56	1070.45	1074.89	1075.61
55.0	994.31	991.53	988.42	987.11	987.43	987.74	990.28	995.26	1002.33	1004.13
57.5	929.30	925.56	921.69	919.07	916.40	915.72	917.24	919.25	923.69	931.10
60.0	846.87	851.25	855.90	850.50	846.83	844.83	842.97	843.42	846.49	851.69
62.5	765.94	770.01	773.61	778.42	778.55	773.44	770.26	769.25	769.19	772.18
65.0	686.48	689.17	692.03	696.29	700.12	704.00	699.23	695.06	693.25	694.23
67.5	608.36	609.75	612.25	614.82	617.82	622.17	626.45	623.15	619.32	617.10

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CANDELA TABULATION - (Cont.)

70.0	530.75	531.99	533.94	535.38	537.82	540.26	543.49	547.99	546.81	542.36
72.5	454.62	455.81	456.84	458.04	459.61	461.07	463.42	465.69	469.30	470.38
75.0	382.76	382.51	381.60	382.71	383.46	384.53	385.49	386.58	388.66	391.68
77.5	314.66	312.99	312.19	311.62	310.62	310.49	310.33	310.65	311.18	312.51
80.0	250.82	249.13	247.34	245.45	243.37	241.71	239.81	237.88	237.27	236.26
82.5	187.84	186.35	184.90	183.19	181.43	179.02	176.14	172.79	169.64	167.22
85.0	125.51	124.41	123.39	122.10	121.72	118.91	116.78	114.13	111.07	107.65
87.5	63.53	63.05	62.39	61.84	61.09	60.12	58.99	57.54	55.86	54.01
90.0	1.96	1.97	1.98	1.99	2.00	2.01	2.01	2.03	2.05	2.18

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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1877.35	1878.10	1878.87	1879.65	1880.44	1881.24	1882.05	1881.31	1880.59	1879.87
5.0	1869.52	1871.03	1872.47	1874.07	1875.68	1877.29	1878.91	1877.44	1875.98	1874.52
7.5	1855.08	1857.11	1859.21	1861.39	1863.65	1865.97	1868.37	1866.19	1864.09	1862.05
10.0	1840.16	1842.85	1845.65	1848.18	1851.39	1854.60	1857.82	1854.88	1851.94	1849.01
12.5	1818.51	1821.43	1824.57	1827.91	1831.46	1835.20	1839.13	1835.56	1832.17	1828.98
15.0	1795.73	1799.23	1802.98	1806.99	1810.81	1815.62	1820.44	1816.06	1811.69	1808.31
17.5	1767.47	1770.99	1774.91	1779.22	1783.92	1788.99	1794.44	1789.51	1784.95	1780.76
20.0	1737.69	1741.69	1746.15	1751.06	1755.60	1762.01	1768.43	1762.59	1756.77	1752.82
22.5	1702.94	1706.62	1710.95	1715.91	1721.50	1727.72	1734.56	1728.37	1722.80	1717.86
25.0	1666.19	1670.16	1674.85	1680.25	1686.36	1692.83	1700.68	1693.54	1687.78	1682.38
27.5	1625.44	1628.86	1633.21	1638.51	1644.76	1651.95	1660.07	1652.71	1646.28	1640.79
30.0	1582.29	1585.87	1590.50	1596.17	1602.90	1610.15	1619.46	1610.95	1604.50	1598.58
32.5	1535.75	1538.44	1542.45	1547.79	1554.46	1562.48	1571.83	1563.37	1556.24	1550.44
35.0	1486.24	1488.93	1493.05	1498.64	1505.69	1513.49	1524.20	1514.47	1507.65	1501.56
37.5	1434.40	1435.95	1439.26	1444.34	1451.22	1459.91	1470.41	1460.93	1453.26	1447.40
40.0	1379.44	1380.80	1384.06	1389.25	1396.39	1404.54	1416.61	1405.58	1398.49	1392.39
42.5	1322.90	1322.70	1324.74	1329.07	1335.76	1344.82	1356.29	1345.93	1337.98	1332.40
45.0	1262.77	1262.06	1263.77	1267.95	1274.69	1282.72	1295.97	1283.90	1276.97	1271.50
47.5	1202.07	1199.40	1199.51	1202.52	1208.53	1217.60	1229.80	1218.80	1210.93	1206.13
50.0	1137.68	1134.13	1133.57	1136.13	1141.94	1149.38	1163.63	1150.58	1144.34	1139.76
52.5	1073.74	1067.80	1065.29	1066.40	1071.29	1080.06	1092.83	1081.35	1073.85	1070.24
55.0	1004.99	998.89	995.37	995.76	1000.23	1006.77	1022.02	1008.16	1003.00	999.88
57.5	931.60	929.88	924.13	922.72	925.92	933.98	947.06	935.38	928.73	926.95
60.0	856.83	857.19	851.63	848.96	851.30	856.16	872.11	857.55	854.10	853.21
62.5	778.29	781.11	778.91	774.01	774.69	781.35	794.33	782.55	777.15	777.88
65.0	697.59	704.45	704.48	698.76	697.97	703.75	716.55	704.69	699.93	701.94
67.5	618.01	622.75	626.53	623.47	620.47	624.84	637.19	624.65	620.48	624.44
70.0	540.71	542.18	548.15	548.55	543.21	546.03	557.83	544.34	540.40	545.65
72.5	465.62	464.03	464.60	470.70	466.94	467.54	478.26	462.83	458.82	461.39
75.0	393.99	389.27	388.52	393.11	391.89	389.48	398.69	380.63	376.17	374.76
77.5	315.27	318.70	314.00	314.16	317.38	312.63	319.18	298.20	292.22	286.78
80.0	238.40	240.66	244.41	239.88	241.78	237.17	239.66	214.53	206.85	205.26
82.5	166.14	166.55	168.21	171.27	167.51	166.49	160.52	136.87	130.24	130.93
85.0	103.57	100.16	98.15	99.58	102.40	97.80	81.37	64.66	72.19	74.98
87.5	51.67	48.85	44.87	41.91	39.71	45.06	42.13	29.33	30.17	33.99
90.0	2.31	2.37	2.43	2.48	2.53	2.58	2.88	2.90	3.04	3.07

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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1879.17	1878.48	1877.79	1877.13	1876.48	1875.84	1875.22	1874.62	1874.05	1873.49

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CANDELA TABULATION - (Cont.)

5.0	1873.07	1871.78	1870.42	1869.09	1867.79	1866.52	1865.29	1864.09	1862.94	1861.83
7.5	1860.08	1858.19	1856.38	1854.66	1853.02	1851.47	1850.02	1848.66	1847.40	1846.24
10.0	1846.75	1844.23	1841.81	1839.51	1837.32	1835.26	1833.32	1831.51	1829.83	1828.28
12.5	1825.98	1823.19	1820.61	1818.24	1816.09	1814.15	1812.44	1810.96	1809.70	1808.66
15.0	1804.73	1801.41	1798.33	1795.51	1792.95	1790.65	1788.63	1786.87	1785.38	1784.17
17.5	1776.96	1773.54	1770.52	1767.90	1765.68	1763.86	1762.45	1761.45	1760.85	1759.74
20.0	1748.49	1744.61	1741.18	1738.21	1735.71	1733.67	1732.10	1730.99	1730.35	1730.17
22.5	1713.55	1709.87	1706.82	1704.41	1702.62	1701.46	1700.47	1700.56	1699.89	1699.74
25.0	1677.69	1673.71	1670.44	1667.87	1666.01	1664.84	1664.37	1664.57	1665.44	1666.97
27.5	1636.25	1632.66	1630.01	1628.30	1627.53	1627.68	1628.00	1628.35	1629.44	1631.25
30.0	1593.71	1589.89	1587.12	1585.38	1584.67	1584.97	1586.28	1588.12	1591.80	1595.07
32.5	1545.96	1542.81	1540.95	1540.38	1541.07	1542.39	1543.97	1546.61	1550.29	1554.98
35.0	1496.93	1493.74	1491.97	1491.60	1492.60	1494.93	1498.55	1503.44	1509.02	1510.80
37.5	1443.34	1441.06	1440.54	1441.74	1444.35	1447.13	1451.31	1456.83	1458.28	1458.52
40.0	1388.27	1386.08	1385.79	1387.38	1390.77	1395.93	1402.77	1404.42	1403.54	1404.17
42.5	1329.17	1328.23	1329.50	1332.94	1337.17	1343.02	1344.80	1345.10	1347.18	1343.92
45.0	1268.48	1267.93	1269.79	1273.95	1280.33	1284.30	1284.84	1285.71	1280.59	1276.33
47.5	1204.35	1205.50	1209.45	1215.37	1220.58	1219.94	1221.55	1216.93	1212.73	1208.89
50.0	1138.44	1140.28	1145.13	1152.86	1153.79	1156.14	1150.86	1145.69	1142.72	1141.82
52.5	1070.37	1074.10	1081.23	1084.48	1085.19	1082.23	1077.85	1075.37	1073.11	1072.94
55.0	1000.84	1005.66	1013.02	1013.36	1012.81	1007.23	1003.82	1002.87	1004.18	1005.17
57.5	929.83	937.08	940.10	940.79	934.56	931.49	931.03	931.17	933.54	937.92
60.0	857.35	864.36	865.22	861.34	857.52	855.80	856.93	860.59	864.38	869.82
62.5	784.36	787.93	785.99	780.74	779.41	781.52	784.18	789.25	796.47	797.94
65.0	708.99	709.71	703.42	701.43	701.93	705.86	712.74	719.66	717.43	715.27
67.5	628.74	625.20	620.62	621.04	625.73	631.98	638.13	636.75	634.12	632.94
70.0	545.26	539.34	538.96	542.02	549.10	554.25	552.89	552.72	553.08	552.59
72.5	455.27	454.80	457.57	464.61	467.76	468.80	470.71	471.58	473.43	474.38
75.0	370.47	372.63	379.14	382.28	384.79	387.41	390.59	393.31	395.69	398.19
77.5	286.96	293.53	298.05	302.04	306.14	309.20	313.93	317.76	321.30	325.48
80.0	209.71	215.34	221.85	226.35	232.45	237.04	242.46	247.55	252.22	257.04
82.5	139.53	146.06	153.00	159.63	165.98	172.13	178.14	183.58	188.37	192.41
85.0	80.44	87.96	94.96	102.52	108.67	113.94	118.53	122.63	126.33	129.35
87.5	37.03	43.05	47.38	51.78	55.28	58.32	60.96	63.36	65.33	67.38
90.0	3.10	3.14	3.18	3.43	3.67	4.08	4.48	4.98	5.48	6.00

**Vert.
Angles**

Horizontal Angles

	125.0	127.5	130.0	132.5	135.0	137.5	140.0	142.5	145.0	147.5
0.0	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1872.95	1872.44	1871.95	1871.49	1871.05	1870.64	1870.26	1869.90	1869.58	1869.28
5.0	1860.76	1859.73	1858.76	1857.84	1856.96	1856.14	1855.38	1854.67	1854.02	1853.42
7.5	1845.18	1844.22	1843.38	1842.64	1842.01	1841.48	1840.52	1839.45	1838.48	1837.59
10.0	1826.87	1825.61	1824.48	1823.50	1822.66	1821.98	1821.44	1821.05	1820.80	1820.71
12.5	1807.86	1806.94	1805.54	1804.33	1803.29	1802.44	1801.78	1801.13	1801.01	1800.90
15.0	1783.23	1782.57	1782.18	1782.07	1782.23	1782.66	1782.09	1781.53	1781.19	1781.08
17.5	1758.68	1757.94	1757.51	1757.41	1757.62	1758.14	1758.97	1760.11	1761.07	1761.24
20.0	1730.45	1731.18	1732.37	1732.84	1733.11	1733.73	1734.70	1736.02	1737.68	1739.68
22.5	1700.11	1700.99	1701.78	1704.25	1706.62	1709.31	1710.55	1712.06	1713.95	1716.20
25.0	1668.98	1670.87	1672.47	1674.62	1677.31	1680.52	1684.26	1685.71	1684.68	1683.66
27.5	1633.76	1636.96	1640.82	1644.13	1646.85	1645.64	1645.20	1645.52	1646.59	1646.55
30.0	1598.67	1602.28	1604.47	1603.83	1604.09	1604.61	1604.22	1604.65	1603.96	1601.92
32.5	1560.23	1560.28	1559.43	1558.90	1559.32	1559.73	1556.87	1553.03	1549.80	1547.65
35.0	1509.90	1510.20	1511.65	1512.38	1507.01	1502.86	1499.94	1498.24	1495.90	1493.68
37.5	1458.64	1460.32	1455.23	1451.53	1449.18	1446.28	1443.35	1441.68	1441.25	1439.98
40.0	1402.46	1398.47	1394.90	1391.26	1389.01	1388.11	1387.06	1385.47	1385.15	1386.07

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CANDELA TABULATION - (Cont.)

42.5	1338.40	1334.59	1332.41	1331.53	1329.42	1328.70	1329.32	1329.58	1329.41	1330.50
45.0	1273.92	1271.27	1269.39	1269.13	1270.41	1269.90	1270.75	1272.91	1274.01	1275.30
47.5	1206.94	1206.77	1206.98	1207.10	1208.79	1211.68	1212.79	1215.21	1218.90	1220.45
50.0	1140.84	1141.21	1143.28	1145.72	1147.86	1151.49	1155.44	1158.14	1162.10	1164.66
52.5	1074.70	1076.59	1078.52	1083.49	1087.61	1091.73	1096.44	1093.69	1090.01	1087.96
55.0	1007.72	1012.05	1016.21	1021.06	1025.21	1021.08	1017.95	1015.34	1012.61	1010.56
57.5	941.92	947.05	951.97	947.42	944.19	942.14	939.13	937.69	935.78	933.75
60.0	877.02	873.25	869.71	867.31	864.31	862.84	861.15	859.78	859.47	857.50
62.5	794.37	792.03	788.88	787.22	785.53	784.22	783.94	782.67	782.74	781.75
65.0	712.34	710.89	709.45	708.06	707.79	706.63	706.72	706.29	706.38	706.46
67.5	632.09	631.10	631.29	630.22	630.24	630.02	630.16	630.59	630.69	631.60
70.0	553.22	552.97	553.40	553.61	553.73	554.31	554.47	555.84	556.58	558.26
72.5	475.39	476.44	477.03	477.77	479.15	480.95	481.93	483.62	484.71	486.26
75.0	398.76	402.34	403.97	406.19	407.52	409.21	411.14	413.24	415.08	416.93
77.5	328.26	330.88	333.92	336.68	338.99	341.12	343.14	345.01	346.89	348.52
80.0	260.98	264.26	267.18	269.61	271.91	273.77	275.71	277.34	279.10	280.49
82.5	196.02	198.77	201.41	203.43	205.48	207.04	208.76	210.11	211.65	212.79
85.0	132.18	134.29	136.39	137.93	139.56	140.79	142.17	143.22	144.44	145.34
87.5	68.97	70.50	71.78	72.91	73.91	74.87	75.77	76.57	77.38	78.05
90.0	6.51	7.10	7.68	8.15	8.61	9.12	9.62	10.05	10.48	10.85

**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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1869.02	1868.78	1868.58	1868.40	1868.26	1868.15	1868.08	1868.03	1868.02	1868.04
5.0	1852.89	1852.42	1852.01	1851.66	1851.38	1851.16	1851.00	1850.91	1850.37	1850.63
7.5	1836.79	1836.09	1835.47	1834.95	1834.52	1834.19	1833.95	1833.81	1833.76	1833.81
10.0	1820.69	1819.77	1818.95	1818.26	1817.68	1817.24	1816.92	1816.73	1816.66	1816.16
12.5	1800.98	1801.24	1801.69	1801.57	1800.86	1800.30	1799.90	1799.66	1799.57	1799.64
15.0	1781.19	1781.52	1782.07	1782.83	1783.81	1783.38	1782.90	1782.61	1782.50	1782.57
17.5	1761.39	1761.79	1762.44	1763.35	1764.50	1765.90	1765.91	1765.57	1765.43	1765.51
20.0	1741.57	1742.05	1742.82	1743.87	1745.21	1746.81	1748.69	1748.54	1748.38	1748.47
22.5	1718.83	1720.70	1719.54	1718.41	1717.82	1717.77	1718.24	1718.51	1717.22	1716.44
25.0	1683.27	1683.50	1684.35	1683.93	1683.30	1683.26	1683.79	1684.90	1684.24	1683.40
27.5	1646.16	1646.44	1645.76	1644.65	1642.03	1639.83	1638.52	1638.11	1637.43	1635.53
30.0	1599.42	1596.26	1594.09	1592.89	1592.27	1589.91	1588.49	1588.02	1588.42	1586.44
32.5	1546.58	1544.85	1542.56	1541.29	1541.05	1540.04	1538.53	1538.01	1538.47	1537.33
35.0	1492.58	1492.58	1491.14	1489.83	1489.58	1489.96	1488.62	1488.06	1488.52	1488.21
37.5	1438.87	1438.91	1439.28	1438.49	1438.25	1439.09	1438.76	1438.17	1438.64	1439.07
40.0	1385.44	1385.53	1386.76	1387.27	1387.06	1387.95	1388.94	1388.34	1388.81	1389.91
42.5	1332.27	1332.42	1333.74	1336.07	1335.99	1336.94	1339.00	1338.55	1339.03	1340.59
45.0	1277.83	1279.58	1281.01	1283.58	1285.04	1286.07	1288.20	1288.81	1289.31	1290.90
47.5	1223.21	1226.26	1228.53	1229.06	1227.50	1224.60	1223.31	1221.90	1220.01	1219.70
50.0	1160.94	1158.88	1156.26	1153.86	1153.07	1150.51	1149.16	1148.50	1146.56	1146.21
52.5	1084.65	1082.57	1081.32	1078.90	1078.07	1076.53	1075.15	1075.11	1073.16	1072.76
55.0	1008.73	1006.65	1006.12	1004.15	1003.30	1002.64	1001.24	1001.36	999.79	999.36
57.5	932.69	931.09	930.55	929.61	928.74	928.83	927.44	927.52	926.45	925.99
60.0	856.95	855.87	855.33	855.24	854.40	854.95	853.74	853.77	853.13	852.66
62.5	781.20	780.96	780.45	781.04	780.24	780.75	780.12	780.13	779.85	779.37
65.0	705.92	706.32	705.85	706.62	706.24	706.74	706.58	706.58	706.58	706.11
67.5	631.08	630.87	631.93	633.03	633.46	634.21	634.64	634.83	635.20	634.86
70.0	558.66	559.65	560.28	561.31	562.06	562.76	563.44	563.60	564.12	563.80
72.5	486.98	488.41	489.63	490.86	492.08	492.93	493.95	494.25	494.97	494.79
75.0	418.47	419.62	420.91	422.00	423.27	424.02	425.06	425.33	426.08	425.93
77.5	350.12	351.13	352.39	353.34	354.58	355.22	356.24	356.48	357.19	357.09

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80.0	282.03	282.89	284.05	284.85	285.98	286.53	287.45	287.67	288.32	285.96
82.5	214.14	214.85	215.84	216.50	217.46	217.92	218.70	218.90	219.40	219.44
85.0	146.41	146.97	147.74	148.25	148.91	149.36	149.93	150.15	148.48	149.46
87.5	78.76	79.19	79.69	80.08	80.55	80.84	81.24	81.42	81.71	81.82
90.0	11.21	11.46	11.71	11.94	12.16	12.35	12.54	12.70	12.86	13.03

Vert. 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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1868.10	1868.18	1868.30	1868.12	1867.96	1867.84	1867.76	1867.70	1867.68	1867.70
5.0	1850.89	1851.16	1851.42	1851.03	1850.63	1850.24	1849.86	1850.26	1850.23	1850.26
7.5	1833.96	1834.21	1834.55	1834.02	1833.58	1833.24	1833.00	1832.86	1832.82	1832.87
10.0	1816.66	1817.16	1817.67	1816.92	1816.16	1815.42	1815.67	1815.49	1815.44	1815.52
12.5	1799.87	1800.25	1800.79	1799.95	1799.26	1798.73	1798.36	1798.15	1798.10	1798.20
15.0	1782.46	1783.19	1783.91	1782.83	1781.76	1781.51	1781.08	1780.84	1780.79	1780.92
17.5	1765.81	1766.31	1767.03	1765.91	1765.00	1764.30	1763.82	1763.56	1763.50	1763.07
20.0	1748.32	1749.23	1750.15	1748.78	1747.42	1747.12	1746.59	1746.30	1746.37	1743.59
22.5	1716.18	1716.42	1717.18	1715.92	1715.18	1714.95	1715.23	1716.03	1715.24	1714.21
25.0	1682.01	1683.11	1684.20	1682.56	1680.93	1681.77	1682.07	1682.19	1680.51	1679.40
27.5	1634.52	1634.38	1635.12	1633.79	1633.33	1633.76	1635.07	1635.14	1634.95	1635.66
30.0	1583.52	1584.78	1586.04	1584.14	1582.24	1584.52	1585.88	1584.81	1584.63	1585.40
32.5	1536.24	1536.12	1536.97	1535.42	1534.86	1535.27	1535.72	1534.56	1534.38	1535.20
35.0	1487.09	1486.49	1487.89	1485.75	1485.62	1486.00	1485.58	1484.38	1484.20	1485.06
37.5	1437.95	1437.86	1438.82	1437.08	1436.38	1436.72	1435.51	1434.27	1434.09	1433.71
40.0	1388.79	1388.21	1389.74	1387.38	1387.13	1387.42	1385.51	1384.23	1384.03	1382.37
42.5	1339.63	1339.61	1340.66	1338.74	1337.89	1338.20	1335.58	1334.25	1334.27	1331.18
45.0	1290.46	1289.95	1291.58	1289.04	1288.64	1288.17	1285.71	1284.33	1282.92	1280.13
47.5	1218.39	1217.63	1218.47	1216.76	1216.65	1217.08	1216.48	1217.46	1218.07	1218.66
50.0	1145.26	1143.73	1145.35	1142.92	1143.63	1143.72	1143.17	1144.19	1144.12	1144.78
52.5	1072.12	1071.41	1072.24	1070.66	1070.62	1070.43	1069.93	1070.96	1070.33	1071.03
55.0	998.98	997.55	999.12	996.87	997.61	997.19	996.73	997.43	996.66	997.40
57.5	925.83	925.19	926.00	924.59	924.62	924.00	923.58	923.83	923.13	923.88
60.0	849.91	851.40	852.89	850.88	848.87	850.86	850.47	850.35	849.72	850.83
62.5	779.51	778.99	779.78	778.56	778.64	777.76	777.40	776.99	776.41	776.49
65.0	703.91	705.28	706.66	704.94	703.23	704.71	704.37	703.72	703.19	702.88
67.5	635.26	634.91	635.66	634.64	634.71	633.64	633.22	632.28	631.61	630.78
70.0	562.24	563.45	564.65	563.25	561.84	562.78	562.40	561.38	560.77	559.78
72.5	495.30	495.09	495.75	494.93	494.98	493.92	493.51	492.36	491.67	490.42
75.0	424.93	425.88	426.84	425.77	424.70	425.24	424.89	423.80	423.20	421.98
77.5	357.56	357.43	357.94	357.36	357.41	356.57	356.29	355.30	354.79	353.66
80.0	287.64	288.35	289.04	288.32	287.59	285.63	287.71	286.86	286.44	285.45
82.5	219.80	219.78	220.14	219.79	219.84	219.31	219.15	218.46	218.12	217.32
85.0	150.41	150.83	151.24	150.89	150.53	149.53	148.53	150.10	149.84	149.25
87.5	82.06	82.13	82.34	82.24	82.27	82.10	82.06	81.75	81.58	81.23
90.0	13.19	13.31	13.43	13.46	13.48	13.50	13.52	13.43	13.33	13.23

Vert. 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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1867.74	1867.82	1867.94	1868.08	1868.26	1868.47	1868.71	1868.98	1869.28	1869.61
5.0	1850.36	1850.52	1850.75	1851.04	1851.40	1851.82	1852.30	1852.84	1853.45	1854.11
7.5	1833.02	1833.27	1833.61	1834.06	1834.59	1835.22	1835.94	1836.76	1837.66	1838.76
10.0	1815.73	1816.06	1816.52	1817.11	1817.83	1817.49	1817.24	1817.15	1817.20	1817.42
12.5	1798.47	1798.89	1798.66	1797.79	1797.11	1796.61	1796.31	1796.03	1796.26	1796.52

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CANDELA TABULATION - (Cont.)

15.0	1781.38	1779.54	1778.30	1777.27	1776.47	1775.88	1775.52	1775.37	1775.46	1776.11
17.5	1761.16	1759.49	1758.07	1756.90	1755.97	1755.29	1754.87	1753.27	1751.81	1750.67
20.0	1741.45	1739.58	1737.98	1736.65	1735.60	1733.29	1730.92	1728.88	1727.20	1725.86
22.5	1713.71	1713.75	1714.32	1714.96	1712.66	1709.60	1706.92	1704.61	1702.69	1701.15
25.0	1678.87	1678.91	1678.79	1677.48	1676.80	1676.75	1677.33	1678.56	1676.05	1671.87
27.5	1637.26	1639.31	1639.95	1640.16	1639.38	1639.29	1638.86	1637.35	1636.60	1636.61
30.0	1587.12	1587.22	1587.91	1589.59	1592.26	1594.29	1595.91	1596.15	1595.26	1595.18
32.5	1535.59	1535.30	1536.04	1537.80	1539.02	1539.61	1541.29	1544.07	1547.45	1549.76
35.0	1483.86	1483.55	1484.30	1485.19	1484.64	1485.21	1486.92	1488.72	1489.83	1492.15
37.5	1432.28	1431.94	1432.69	1431.16	1430.54	1431.07	1431.76	1431.55	1432.59	1434.89
40.0	1380.87	1380.47	1379.32	1377.43	1376.71	1376.71	1375.13	1374.79	1375.72	1376.30
42.5	1329.60	1329.14	1325.99	1323.97	1323.12	1320.67	1318.90	1318.40	1317.59	1316.60
45.0	1278.46	1276.29	1272.94	1270.76	1268.29	1265.06	1263.07	1261.33	1258.69	1257.42
47.5	1220.85	1221.55	1220.16	1217.80	1213.31	1209.84	1207.78	1203.30	1200.35	1198.76
50.0	1146.62	1146.56	1148.06	1149.79	1150.98	1153.77	1150.45	1145.83	1142.53	1138.23
52.5	1071.84	1071.87	1073.45	1073.89	1075.14	1077.55	1078.63	1081.30	1083.14	1078.17
55.0	997.36	997.48	998.67	998.46	999.75	1000.71	1001.81	1004.45	1005.48	1007.89
57.5	923.16	923.35	923.61	923.48	924.79	924.54	925.64	926.77	927.59	929.91
60.0	849.21	849.46	848.97	848.89	849.27	848.99	850.08	849.83	850.62	851.72
62.5	775.50	775.80	774.71	774.68	774.24	774.01	774.29	773.76	774.51	774.26
65.0	702.00	701.97	700.80	700.81	699.75	699.56	698.97	698.49	698.46	697.87
67.5	629.74	629.00	627.59	626.17	625.76	625.61	624.39	623.96	623.10	622.48
70.0	558.86	557.87	556.60	555.63	554.10	553.20	551.36	550.41	548.64	548.01
72.5	489.40	488.00	486.59	485.07	483.21	482.13	480.48	479.22	477.17	475.80
75.0	421.09	419.68	418.45	416.88	415.34	413.60	411.73	409.77	407.40	405.11
77.5	352.91	351.57	350.52	349.00	347.68	345.98	344.36	342.37	340.29	337.94
80.0	284.83	283.65	282.78	281.41	280.30	278.75	277.40	275.55	273.79	271.58
82.5	216.83	215.86	215.18	214.03	213.14	211.84	210.77	209.20	207.78	205.89
85.0	148.90	148.18	147.69	146.82	146.15	145.18	144.40	143.20	142.14	140.71
87.5	81.00	80.58	80.26	79.72	79.28	78.69	78.20	77.44	76.76	75.87
90.0	13.13	13.01	12.88	12.68	12.47	12.29	12.10	11.81	11.52	11.22

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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1869.97	1870.36	1870.78	1871.23	1871.70	1872.20	1872.72	1873.27	1873.83	1874.42
5.0	1854.83	1855.61	1856.45	1857.34	1858.28	1859.27	1860.31	1861.40	1862.53	1863.71
7.5	1838.74	1839.13	1839.65	1840.27	1841.02	1841.87	1842.84	1843.92	1845.11	1846.40
10.0	1817.78	1818.30	1818.98	1819.80	1820.78	1821.91	1823.18	1824.60	1826.16	1827.87
12.5	1796.97	1797.61	1798.44	1799.46	1800.12	1800.73	1801.57	1802.65	1803.97	1805.51
15.0	1774.88	1774.47	1774.33	1774.47	1774.90	1775.60	1776.59	1777.87	1779.42	1781.25
17.5	1749.84	1749.33	1749.14	1749.28	1749.74	1750.54	1752.39	1751.66	1752.36	1753.48
20.0	1724.88	1724.27	1723.45	1721.88	1720.77	1720.11	1719.91	1720.18	1720.92	1722.14
22.5	1697.93	1695.14	1692.25	1691.01	1689.69	1688.88	1688.59	1688.82	1688.35	1688.97
25.0	1668.19	1665.03	1662.40	1660.31	1657.94	1655.45	1653.47	1652.17	1651.57	1651.66
27.5	1637.39	1635.13	1630.29	1625.87	1622.14	1619.12	1616.82	1615.28	1614.49	1613.80
30.0	1594.11	1593.29	1593.38	1590.61	1586.42	1583.00	1578.67	1574.66	1572.45	1570.77
32.5	1548.73	1547.69	1547.64	1548.00	1547.73	1542.16	1537.11	1533.04	1529.97	1527.95
35.0	1495.71	1500.76	1499.57	1497.88	1497.35	1498.01	1495.89	1489.81	1484.40	1480.24
37.5	1437.33	1439.47	1443.01	1447.98	1447.36	1445.58	1444.97	1443.10	1437.00	1432.23
40.0	1376.91	1378.92	1382.39	1385.77	1389.58	1391.00	1389.97	1390.46	1388.40	1380.96
42.5	1316.99	1318.84	1319.50	1321.46	1325.07	1330.39	1333.49	1331.07	1330.42	1328.15
45.0	1257.57	1256.05	1256.09	1257.74	1260.21	1262.55	1266.71	1271.71	1270.45	1269.67
47.5	1195.60	1193.67	1193.31	1192.95	1193.05	1194.91	1198.66	1202.90	1207.62	1205.82
50.0	1134.34	1131.96	1129.37	1127.24	1126.79	1127.70	1128.66	1131.74	1137.09	1143.71

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CANDELA TABULATION - (Cont.)

52.5	1073.79	1069.52	1064.49	1062.50	1060.54	1058.76	1058.99	1061.38	1064.11	1068.79
55.0	1011.29	1006.99	1002.09	997.84	993.41	990.82	989.90	988.81	990.04	993.80
57.5	931.37	934.00	937.87	932.62	927.34	923.32	919.10	916.96	917.12	918.05
60.0	852.64	855.03	856.58	859.20	862.10	854.97	849.67	846.17	843.17	842.53
62.5	775.02	776.01	776.78	778.99	780.58	783.26	781.50	775.15	770.77	769.41
65.0	698.49	697.94	698.43	699.16	699.97	702.07	703.96	706.05	700.03	694.74
67.5	622.08	621.22	622.10	620.88	621.34	621.81	622.80	625.84	627.57	622.96
70.0	546.73	545.79	545.09	544.43	544.33	543.57	543.88	544.12	545.31	547.85
72.5	473.31	471.18	470.39	469.72	468.55	467.43	466.62	465.59	465.71	465.21
75.0	402.79	400.95	398.96	397.73	393.98	393.29	391.24	389.59	387.88	386.08
77.5	335.33	332.86	330.41	327.64	325.09	322.46	318.85	316.02	313.09	309.60
80.0	269.36	267.10	264.95	262.27	259.16	255.56	251.29	247.26	243.00	238.51
82.5	204.10	202.19	200.42	197.99	195.41	192.16	188.56	184.36	179.61	174.20
85.0	139.39	137.94	136.60	134.70	132.77	130.23	127.54	124.27	120.67	116.42
87.5	75.06	74.14	73.29	72.09	70.90	69.34	67.72	65.75	63.62	61.08
90.0	10.92	10.58	10.23	9.84	9.44	8.99	8.53	8.05	7.57	7.05

**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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1875.03	1875.66	1876.31	1876.97	1877.65	1878.35	1879.05	1879.77	1880.50	1879.70
5.0	1864.92	1866.18	1867.47	1868.79	1870.14	1871.53	1872.94	1874.37	1875.82	1874.21
7.5	1847.80	1849.30	1850.90	1852.60	1854.39	1856.27	1858.24	1860.30	1862.43	1860.06
10.0	1829.71	1831.69	1833.80	1836.04	1838.41	1840.90	1843.50	1846.22	1849.04	1845.90
12.5	1807.29	1809.30	1811.53	1813.98	1816.65	1819.53	1822.61	1825.90	1829.39	1825.51
15.0	1783.36	1785.74	1788.40	1791.32	1794.50	1797.94	1801.63	1805.57	1809.74	1805.09
17.5	1755.01	1756.96	1759.32	1762.09	1765.28	1768.87	1772.86	1777.24	1782.02	1776.69
20.0	1723.83	1725.99	1728.63	1731.75	1735.33	1739.39	1743.91	1748.88	1754.30	1748.25
22.5	1689.80	1691.26	1693.38	1696.14	1699.55	1703.61	1708.32	1713.67	1719.65	1712.96
25.0	1652.47	1654.00	1656.25	1659.23	1662.94	1667.37	1672.53	1678.41	1685.01	1677.61
27.5	1613.33	1613.78	1615.15	1617.47	1620.74	1624.96	1630.13	1636.26	1643.35	1635.36
30.0	1570.07	1570.38	1571.71	1574.07	1577.49	1581.95	1587.47	1594.05	1601.69	1593.03
32.5	1526.16	1524.98	1525.07	1526.45	1529.15	1533.16	1538.52	1545.22	1553.28	1544.12
35.0	1477.37	1475.83	1475.67	1476.90	1479.57	1483.68	1489.26	1496.32	1504.86	1495.14
37.5	1428.85	1425.66	1423.87	1423.79	1425.45	1428.90	1434.16	1441.24	1450.16	1440.03
40.0	1375.18	1371.13	1368.86	1368.44	1369.91	1373.32	1378.70	1386.07	1395.45	1384.84
42.5	1321.58	1316.64	1312.61	1310.71	1310.99	1313.53	1318.40	1325.62	1335.25	1324.29
45.0	1265.31	1258.33	1253.51	1250.96	1250.76	1253.01	1257.68	1265.10	1275.04	1263.65
47.5	1206.26	1200.48	1193.87	1189.20	1187.32	1188.32	1192.30	1199.34	1209.48	1197.83
50.0	1139.99	1138.83	1130.40	1124.80	1122.19	1122.69	1126.43	1133.48	1143.91	1131.90
52.5	1071.91	1071.05	1068.00	1059.34	1054.74	1053.74	1056.48	1063.08	1073.64	1061.48
55.0	999.76	1000.24	999.58	991.39	985.70	983.88	986.12	992.58	1003.36	990.97
57.5	921.46	927.89	926.87	923.41	915.50	911.84	912.73	918.41	929.05	916.75
60.0	844.55	848.85	853.06	851.98	844.26	839.21	839.07	844.17	854.74	842.47
62.5	767.62	769.65	775.20	777.01	772.78	765.38	763.50	767.57	777.90	765.82
65.0	691.95	692.12	694.51	700.74	699.37	691.21	687.82	690.96	701.05	689.17
67.5	617.99	614.27	614.23	618.58	621.93	617.28	611.74	613.44	622.98	611.72
70.0	544.26	538.24	535.64	536.81	543.77	543.99	536.01	536.04	544.91	534.43
72.5	465.85	464.15	457.81	456.21	460.50	465.58	460.24	459.00	468.14	458.30
75.0	385.07	383.83	382.08	377.12	377.35	384.70	384.61	381.91	391.37	382.52
77.5	307.63	304.77	302.41	300.10	296.41	299.71	306.25	304.97	317.03	309.38
80.0	234.71	230.91	226.93	222.67	219.53	218.15	223.52	226.87	242.69	237.15
82.5	168.64	163.21	158.04	152.99	148.47	142.69	144.15	150.10	169.14	168.78
85.0	111.53	106.02	99.41	93.49	87.53	83.41	81.09	73.98	95.59	100.39
87.5	58.18	54.92	50.93	46.94	41.57	38.56	34.84	33.93	48.96	43.73

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CANDELA TABULATION - (Cont.)

90.0	6.52	6.04	5.55	5.09	4.63	4.27	3.91	3.38	2.33	2.21
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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1878.90	1878.12	1877.35	1876.60	1875.87	1875.15	1874.45	1873.77	1873.11	1872.47
5.0	1872.63	1871.07	1869.54	1868.03	1866.56	1865.13	1863.73	1862.37	1861.06	1859.79
7.5	1857.78	1855.58	1853.47	1851.45	1849.53	1847.70	1845.99	1844.37	1842.87	1841.48
10.0	1842.87	1839.96	1837.16	1834.49	1831.94	1829.53	1827.26	1825.13	1823.14	1821.30
12.5	1821.82	1818.34	1815.07	1812.01	1809.18	1806.57	1804.20	1802.05	1800.15	1798.48
15.0	1800.67	1796.50	1792.59	1788.94	1785.55	1782.44	1779.61	1777.06	1774.79	1772.82
17.5	1771.75	1767.21	1763.07	1759.34	1756.02	1753.12	1750.64	1748.58	1746.95	1745.73
20.0	1742.65	1737.51	1732.84	1728.64	1724.91	1721.66	1718.89	1716.61	1714.80	1713.48
22.5	1706.90	1701.49	1696.73	1692.62	1689.17	1686.38	1684.25	1682.78	1681.96	1681.36
25.0	1670.94	1664.98	1659.76	1655.27	1651.53	1648.52	1646.25	1644.71	1643.91	1643.82
27.5	1628.32	1622.25	1617.15	1613.01	1609.84	1607.63	1607.01	1606.06	1605.97	1605.99
30.0	1585.43	1578.90	1573.45	1569.06	1565.75	1563.49	1562.27	1562.09	1562.93	1564.76
32.5	1536.32	1529.86	1524.76	1520.99	1518.54	1517.38	1517.50	1518.28	1519.82	1521.56
35.0	1486.90	1480.14	1474.86	1471.03	1468.65	1467.67	1468.07	1469.83	1472.89	1477.22
37.5	1431.73	1425.25	1420.58	1417.67	1416.49	1417.00	1418.91	1421.10	1424.69	1429.64
40.0	1376.23	1369.61	1364.94	1362.20	1361.32	1362.27	1364.99	1369.40	1375.43	1376.20
42.5	1315.73	1309.55	1305.71	1304.15	1304.80	1307.61	1311.20	1316.35	1317.18	1316.42
45.0	1254.88	1248.69	1245.03	1243.85	1245.05	1248.56	1254.27	1257.41	1256.93	1256.69
47.5	1189.28	1183.78	1181.26	1181.62	1184.77	1189.91	1194.34	1192.63	1193.17	1187.19
50.0	1123.27	1117.96	1115.88	1116.91	1120.92	1127.76	1127.40	1129.59	1121.69	1115.05
52.5	1053.27	1048.91	1048.27	1051.19	1058.13	1059.58	1058.88	1054.23	1048.02	1043.78
55.0	982.89	979.01	979.16	983.14	989.59	988.54	986.36	978.80	973.47	970.63
57.5	909.41	906.85	908.84	915.06	916.79	916.04	907.88	902.73	900.07	898.24
60.0	835.66	834.07	837.39	843.37	842.74	836.82	830.74	826.90	825.74	826.93
62.5	760.00	760.10	765.71	768.19	764.67	757.55	753.55	753.40	752.90	755.39
65.0	684.23	685.80	692.16	692.03	684.20	679.72	677.67	678.47	681.67	685.70
67.5	608.24	611.92	615.04	610.62	604.92	602.86	603.75	606.46	609.09	605.95
70.0	532.70	538.85	538.08	530.83	528.08	528.53	531.58	532.00	528.05	525.29
72.5	458.38	462.48	457.55	453.49	453.68	457.07	455.64	452.15	449.94	448.02
75.0	385.12	386.01	380.16	379.40	382.55	380.26	377.48	375.46	374.32	373.46
77.5	312.81	308.06	306.46	309.56	306.10	303.62	302.45	301.90	301.47	301.50
80.0	239.02	235.01	237.72	234.04	231.91	231.04	230.99	231.47	233.13	234.78
82.5	165.70	166.87	163.79	162.35	162.11	163.31	165.58	168.36	171.38	173.98
85.0	99.79	96.90	95.68	97.88	101.34	105.30	108.57	111.33	113.72	115.66
87.5	37.81	40.37	43.65	47.67	50.52	52.85	54.71	56.23	57.55	58.57
90.0	2.21	2.20	2.19	2.18	2.17	2.17	2.17	2.17	2.16	2.13

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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1871.86	1871.28	1870.72	1870.19	1869.68	1869.21	1868.77	1868.35	1867.97	1867.63
5.0	1858.57	1857.40	1856.29	1855.22	1854.22	1853.27	1852.39	1851.56	1850.80	1850.11
7.5	1840.20	1839.03	1837.99	1837.06	1836.26	1836.19	1835.02	1834.89	1833.65	1832.61
10.0	1819.89	1818.08	1816.70	1815.48	1814.42	1813.52	1812.78	1812.21	1811.80	1811.56
12.5	1797.06	1795.89	1794.96	1793.99	1792.68	1791.57	1790.66	1789.95	1789.45	1789.15
15.0	1771.14	1769.75	1768.66	1767.86	1767.36	1767.16	1767.25	1768.17	1767.22	1766.87
17.5	1745.95	1743.64	1742.39	1741.49	1740.94	1740.73	1740.86	1741.33	1742.14	1743.28
20.0	1712.64	1712.28	1712.39	1712.97	1714.01	1714.36	1714.54	1715.26	1716.06	1717.39
22.5	1680.49	1680.16	1680.35	1681.07	1682.30	1684.04	1686.28	1688.96	1690.07	1691.59

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CANDELA TABULATION - (Cont.)

25.0	1644.44	1645.77	1647.79	1649.36	1650.80	1652.80	1655.34	1658.42	1662.02	1663.99
27.5	1606.80	1608.37	1610.70	1613.77	1617.56	1621.78	1623.37	1621.95	1621.31	1621.46
30.0	1567.57	1571.18	1573.84	1577.31	1579.39	1578.65	1578.87	1579.34	1578.74	1578.97
32.5	1524.79	1529.04	1534.77	1533.44	1532.36	1531.72	1532.11	1532.54	1529.70	1525.64
35.0	1482.27	1483.56	1482.15	1481.94	1482.90	1483.39	1477.67	1473.48	1470.60	1469.00
37.5	1430.44	1430.04	1430.84	1431.36	1424.99	1420.72	1417.82	1414.70	1411.82	1410.27
40.0	1374.60	1374.55	1372.13	1367.39	1363.16	1358.90	1356.07	1354.62	1353.32	1351.86
42.5	1317.43	1313.09	1306.76	1302.16	1299.25	1297.67	1294.95	1293.64	1294.92	1293.76
45.0	1250.23	1244.69	1241.06	1237.49	1234.84	1233.84	1234.43	1233.29	1233.54	1235.12
47.5	1181.59	1176.39	1173.16	1171.79	1171.84	1170.38	1171.35	1173.57	1174.04	1175.84
50.0	1110.63	1108.32	1105.99	1105.13	1106.05	1107.55	1108.95	1111.88	1115.16	1117.20
52.5	1040.02	1038.38	1038.70	1039.28	1040.77	1043.95	1047.21	1050.60	1055.45	1051.77
55.0	970.08	969.50	970.56	973.43	976.35	980.13	983.54	979.44	976.23	974.33
57.5	898.68	901.17	903.57	907.19	910.83	906.26	903.02	900.94	897.72	895.91
60.0	828.66	832.16	837.46	833.31	829.43	826.67	823.66	822.15	820.20	818.31
62.5	759.88	760.03	756.05	753.15	749.58	747.37	745.39	744.04	743.63	741.65
65.0	682.30	679.02	675.57	673.39	671.23	669.18	668.17	666.96	666.98	665.85
67.5	601.59	599.06	597.00	595.13	594.91	592.39	591.49	590.86	590.91	590.86
70.0	523.26	521.23	520.09	518.65	517.84	516.89	515.95	515.66	515.72	517.13
72.5	446.88	445.61	444.63	443.84	443.00	442.60	442.93	443.99	445.26	447.23
75.0	372.64	372.05	371.07	372.27	372.59	373.66	374.14	375.52	377.26	379.93
77.5	301.73	302.80	303.43	304.25	306.09	308.09	309.84	311.53	313.53	315.83
80.0	236.37	238.46	240.38	242.18	243.96	245.67	247.34	248.75	250.44	252.32
82.5	176.23	178.00	179.71	181.18	182.69	184.04	185.45	186.54	187.86	189.30
85.0	118.29	118.69	119.96	120.99	122.10	123.02	124.03	124.77	125.67	126.64
87.5	59.63	60.18	60.85	61.38	61.95	62.41	62.93	63.30	63.74	64.23
90.0	2.10	2.08	2.05	2.04	2.03	2.01	1.99	1.97	1.94	1.94

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	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1867.31	1867.03	1866.78	1866.57	1866.40	1866.26	1866.15	1866.08	1866.05	1866.05
5.0	1849.48	1848.92	1848.42	1848.00	1847.65	1847.36	1847.15	1847.01	1846.94	1846.95
7.5	1831.66	1830.82	1830.08	1829.45	1828.92	1828.49	1828.18	1827.96	1827.86	1827.86
10.0	1811.48	1811.57	1811.75	1810.91	1810.21	1809.64	1809.22	1808.94	1808.79	1808.79
12.5	1789.05	1789.16	1789.47	1789.98	1790.70	1790.80	1790.28	1789.92	1789.75	1789.75
15.0	1766.76	1766.89	1767.25	1767.86	1768.70	1769.78	1771.48	1770.93	1770.72	1770.71
17.5	1744.58	1744.73	1745.16	1745.86	1746.83	1748.07	1749.58	1751.35	1751.70	1751.69
20.0	1719.09	1721.15	1723.18	1723.98	1725.08	1726.48	1728.17	1730.16	1732.82	1732.69
22.5	1693.53	1695.87	1698.61	1700.63	1699.74	1698.95	1698.71	1699.04	1699.93	1700.62
25.0	1662.36	1661.41	1661.13	1661.50	1662.53	1662.41	1662.15	1662.49	1663.44	1664.98
27.5	1622.37	1622.34	1622.08	1622.52	1622.03	1621.14	1618.84	1617.02	1616.12	1616.14
30.0	1578.08	1575.84	1573.31	1570.30	1568.32	1567.36	1567.02	1565.05	1564.05	1564.03
32.5	1522.17	1519.81	1518.56	1516.84	1514.79	1513.75	1513.80	1513.16	1512.08	1512.01
35.0	1466.54	1464.10	1462.80	1462.64	1461.34	1460.30	1460.36	1461.35	1460.19	1460.09
37.5	1410.02	1408.66	1407.35	1407.21	1408.02	1406.98	1407.07	1408.29	1408.38	1408.25
40.0	1351.76	1352.96	1352.19	1352.09	1353.17	1353.78	1353.93	1355.22	1356.64	1356.49
42.5	1293.84	1295.24	1297.29	1297.25	1298.41	1300.70	1300.91	1302.29	1305.22	1304.80
45.0	1236.24	1237.88	1240.84	1242.68	1243.93	1246.36	1248.02	1249.50	1252.12	1253.18
47.5	1179.12	1180.86	1184.10	1188.38	1189.74	1190.19	1188.79	1186.47	1185.76	1184.92
50.0	1120.52	1122.98	1120.15	1118.93	1116.61	1114.19	1113.36	1111.27	1110.47	1110.36
52.5	1047.94	1045.73	1043.10	1041.75	1041.01	1038.49	1037.52	1036.23	1035.35	1035.81
55.0	970.50	968.25	966.56	965.11	965.14	963.06	961.98	961.33	960.37	960.93
57.5	893.66	891.38	890.51	888.96	888.84	887.89	886.70	886.55	885.54	885.99
60.0	817.38	815.10	814.22	813.27	813.01	812.94	811.67	812.25	810.83	811.17

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CANDELA TABULATION - (Cont.)

62.5	740.87	739.35	738.42	738.00	737.59	738.20	736.86	736.81	736.23	736.48
65.0	664.88	664.10	663.12	663.11	662.58	663.23	662.25	662.06	661.75	661.90
67.5	589.68	589.28	588.27	588.36	588.66	589.83	589.97	590.24	590.60	591.09
70.0	516.83	517.39	517.51	518.34	518.91	519.88	520.33	520.49	520.94	521.34
72.5	447.46	447.79	448.08	449.48	450.84	452.23	453.40	453.95	454.84	455.50
75.0	381.52	382.53	383.67	384.89	386.24	387.43	388.67	389.13	389.99	390.55
77.5	317.62	318.48	319.57	320.59	321.85	322.85	324.04	324.41	325.20	325.67
80.0	254.07	254.76	255.73	256.55	257.64	258.44	259.49	259.78	260.47	260.83
82.5	190.79	191.32	192.10	192.70	193.57	194.16	195.01	195.23	195.77	196.04
85.0	127.72	128.07	128.61	129.01	129.61	130.00	130.59	130.73	131.10	131.28
87.5	64.79	64.96	65.24	65.42	65.71	65.90	66.19	66.27	66.45	66.55
90.0	1.93	1.92	1.91	1.88	1.85	1.84	1.82	1.82	1.82	1.82

Vert. Angles **Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1885.18	1885.18	1885.18	1885.18	1885.18
2.5	1866.09	1866.17	1866.28	1866.43	1866.62
5.0	1847.03	1847.17	1847.39	1847.69	1848.05
7.5	1827.97	1828.19	1828.52	1828.95	1829.49
10.0	1808.94	1809.22	1809.65	1810.21	1810.92
12.5	1789.92	1790.27	1790.79	1791.49	1792.36
15.0	1770.92	1771.33	1771.94	1772.76	1773.79
17.5	1751.93	1752.40	1753.11	1754.05	1755.23
20.0	1732.95	1733.48	1734.28	1735.34	1736.66
22.5	1699.79	1699.50	1699.75	1700.54	1701.87
25.0	1664.81	1664.50	1664.78	1665.64	1667.08
27.5	1615.96	1614.61	1614.18	1614.67	1616.07
30.0	1564.92	1563.50	1563.05	1563.57	1565.05
32.5	1512.96	1512.40	1511.93	1512.48	1514.03
35.0	1461.03	1461.29	1460.81	1461.39	1463.01
37.5	1409.19	1410.17	1409.70	1410.31	1412.00
40.0	1357.43	1359.05	1358.60	1359.24	1360.98
42.5	1305.74	1308.00	1307.49	1308.17	1309.96
45.0	1254.13	1256.18	1256.39	1257.11	1258.94
47.5	1183.55	1183.81	1183.12	1183.04	1184.57
50.0	1108.98	1109.21	1108.86	1108.73	1110.19
52.5	1034.45	1034.66	1034.60	1034.43	1035.82
55.0	959.96	960.16	960.35	960.14	961.44
57.5	885.50	885.70	886.11	885.85	887.06
60.0	811.07	811.28	811.87	811.58	812.69
62.5	736.67	736.90	737.64	737.32	738.32
65.0	662.29	662.55	663.41	663.06	663.95
67.5	591.93	592.44	593.53	593.28	594.11
70.0	522.21	522.70	523.81	523.55	524.26
72.5	456.63	457.26	458.45	458.29	458.96
75.0	391.60	392.13	393.22	393.08	393.65
77.5	326.60	327.04	327.99	327.86	328.35
80.0	261.61	261.97	262.75	262.65	263.04
82.5	196.65	196.91	197.52	197.44	197.74
85.0	131.70	131.87	132.29	132.23	132.43
87.5	66.76	66.84	67.05	67.03	67.13
90.0	1.82	1.82	1.82	1.82	1.82

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	679.65	12.40	12.40
0-30	1448.05	26.40	26.40
0-40	2377.33	43.40	43.40
0-60	4236.03	77.30	77.40
0-80	5337.69	97.40	97.50
0-90	5475.9	99.90	100.00
10-90	5299.64	96.70	96.80
20-40	1697.68	31.00	31.00
20-50	2670.99	48.80	48.80
40-70	2542.7	46.40	46.40
60-80	1101.65	20.10	20.10
70-80	417.65	7.60	7.60
80-90	138.22	2.50	2.50
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	5475.9	99.90	100.00

Total Luminaire Efficiency = 99.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.27
10-20	503.38
20-30	768.40
30-40	929.28
40-50	973.31
50-60	885.40
60-70	684.00
70-80	417.65
80-90	138.22
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

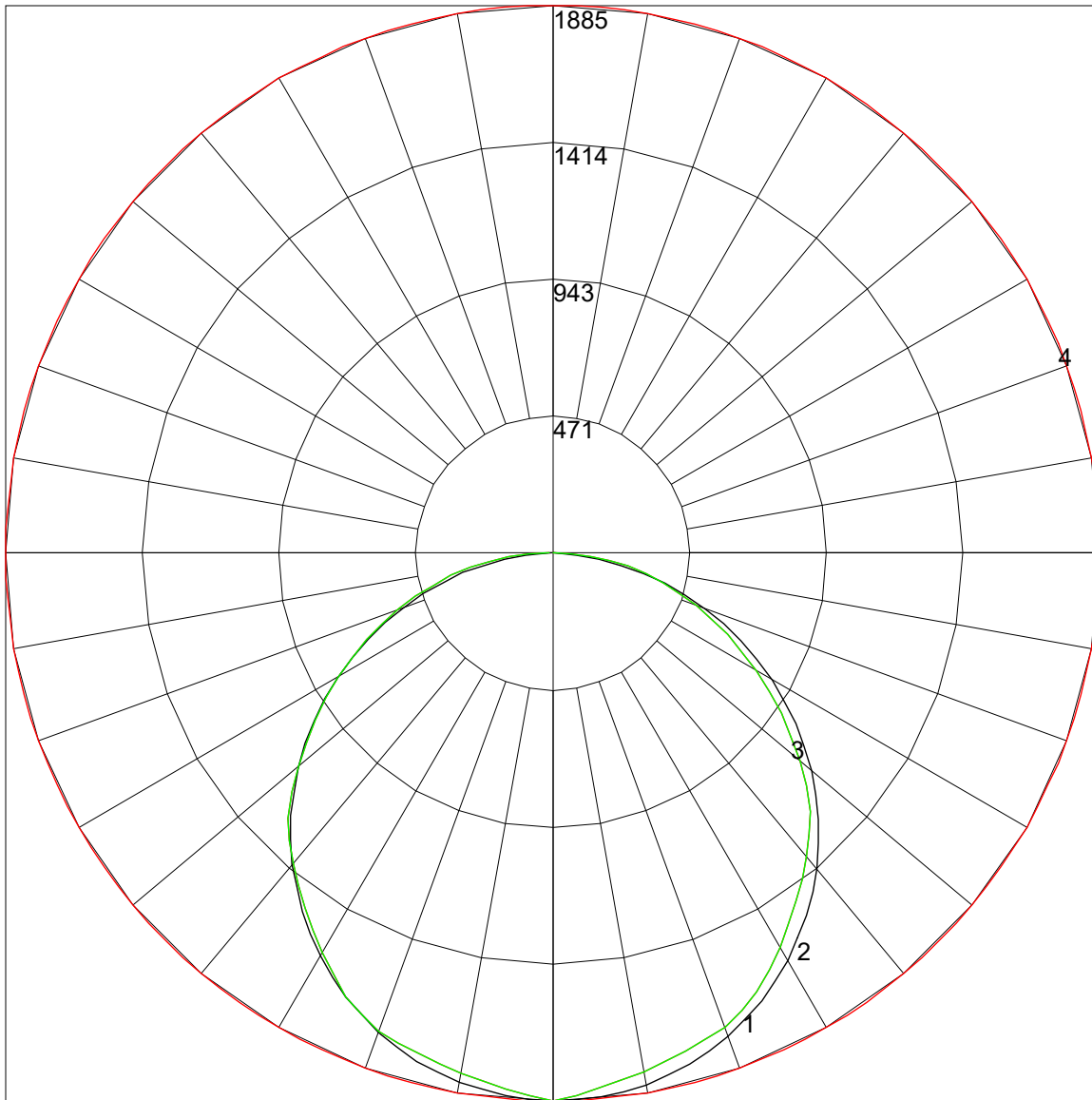
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

POLAR GRAPH



Maximum Candela = 1885.18 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)