



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-I2-40W-5000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] HZX-EX-I2-40W-5000K-D120
[TESTLAB] EVERFINE
[TESTDATE] 2018-06-12
[ISSUEDATE] 2018-10-20 08:51:13
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-3000H_V1 SYSTEM
[MANUFAC] BELUCE CANADA INC.
[LUMINAIRE] HZX-EX-I2-40W-5000K-D120
[LUMCAT]] HZX-EX-I2-40W-5000K-D120
[LAMP] 8624 LUMENS
[_SEARCH_SOURCETYPE] LED

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

CHARACTERISTICS

Lumens Per Lamp	8624.4 (1 lamp)
Total Lamp Lumens	8624.4
Luminaire Lumens	8624
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	61.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2805.85	2805.87	2805.91	2805.97	2806.05	2806.16	2806.28	2806.43	2806.60	2806.80
5.0	2795.05	2794.96	2794.92	2794.92	2794.97	2795.01	2795.01	2795.06	2795.17	2795.24
7.5	2783.40	2783.47	2783.61	2783.81	2783.84	2783.91	2784.00	2784.04	2784.04	2784.09
10.0	2771.75	2772.11	2772.56	2772.85	2773.12	2773.33	2773.40	2773.52	2773.44	2773.39
12.5	2760.83	2760.81	2760.84	2760.65	2760.50	2760.24	2760.00	2759.75	2759.52	2759.33
15.0	2749.91	2749.31	2748.64	2747.75	2746.88	2745.93	2744.95	2743.93	2743.01	2742.04
17.5	2725.28	2725.41	2725.41	2725.27	2724.99	2724.47	2723.85	2723.16	2721.97	2721.28
20.0	2700.65	2701.64	2702.30	2702.64	2702.68	2702.46	2702.02	2700.99	2700.28	2699.01
22.5	2677.05	2677.44	2677.37	2677.15	2676.65	2675.98	2675.21	2674.42	2673.64	2672.95
25.0	2653.45	2653.02	2652.13	2650.95	2649.46	2647.65	2645.64	2643.46	2641.21	2638.91
27.5	2628.40	2628.94	2628.82	2628.03	2626.55	2624.31	2621.25	2617.24	2612.49	2606.61
30.0	2603.34	2605.04	2605.91	2605.86	2604.96	2603.02	2599.93	2595.81	2590.64	2584.29
32.5	2538.03	2539.28	2540.54	2541.78	2542.89	2544.11	2545.47	2546.98	2548.92	2551.30
35.0	2472.72	2472.98	2473.25	2473.17	2472.90	2472.50	2471.99	2471.24	2471.51	2471.79
37.5	2405.31	2406.72	2408.03	2408.65	2408.61	2407.48	2405.53	2402.32	2398.27	2393.48
40.0	2337.89	2340.59	2343.12	2345.07	2345.91	2345.76	2344.07	2341.27	2337.19	2332.24
42.5	2272.80	2274.75	2276.26	2277.12	2277.00	2276.13	2274.80	2273.02	2271.13	2269.35
45.0	2207.70	2208.84	2209.06	2208.16	2206.14	2202.90	2199.13	2194.92	2190.85	2187.05
47.5	2096.21	2098.78	2101.51	2103.83	2105.24	2105.65	2105.40	2104.27	2103.08	2101.40
50.0	1984.71	1988.38	1992.35	1996.00	1998.60	1999.94	2000.49	2000.24	1999.41	1997.96
52.5	1875.70	1878.36	1881.07	1883.09	1884.34	1885.85	1887.12	1888.48	1890.19	1892.46
55.0	1766.69	1768.32	1769.44	1769.43	1768.64	1768.06	1767.41	1766.75	1765.94	1765.30
57.5	1655.24	1657.78	1659.95	1660.83	1660.12	1658.68	1656.51	1653.19	1647.95	1641.01
60.0	1543.80	1547.30	1550.74	1553.09	1553.36	1552.77	1551.24	1549.09	1544.42	1537.56
62.5	1343.37	1346.85	1351.78	1357.14	1363.00	1370.35	1379.12	1389.06	1399.63	1410.11
65.0	1142.93	1145.49	1149.16	1152.78	1157.65	1163.93	1171.50	1180.12	1190.38	1200.09
67.5	940.49	943.40	947.89	952.57	957.90	964.22	971.33	978.99	988.08	996.51
70.0	738.04	741.31	746.77	753.13	759.19	766.56	774.71	783.66	794.90	806.46
72.5	537.24	540.33	545.34	550.83	556.89	564.15	572.98	584.13	598.35	611.98
75.0	336.43	339.35	343.84	348.31	354.12	361.03	369.54	382.92	398.05	411.31
77.5	168.22	169.92	172.87	176.23	180.74	186.17	192.88	203.46	214.96	225.73
80.0	0.00	0.63	2.54	5.72	10.16	15.83	22.74	31.31	41.15	51.98
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2806.98	2807.17	2807.38	2807.61	2807.86	2808.14	2808.44	2808.76	2809.10	2809.47
5.0	2795.47	2795.62	2795.83	2796.10	2796.44	2796.81	2797.16	2797.57	2798.06	2798.60
7.5	2784.07	2784.02	2784.00	2784.02	2783.92	2783.87	2783.86	2783.86	2783.78	2784.04
10.0	2773.26	2773.06	2772.86	2772.58	2772.29	2772.00	2771.58	2771.21	2770.85	2770.33
12.5	2759.20	2759.13	2759.17	2759.30	2759.60	2759.86	2759.10	2758.09	2757.08	2755.95
15.0	2741.17	2740.39	2739.61	2739.06	2738.51	2738.27	2738.05	2738.21	2738.46	2739.18
17.5	2720.09	2718.67	2717.06	2715.27	2713.20	2712.16	2711.04	2710.15	2709.62	2709.46
20.0	2697.46	2695.62	2693.35	2690.68	2687.76	2684.66	2681.21	2677.83	2676.10	2675.00
22.5	2672.38	2671.99	2670.11	2666.56	2662.56	2658.26	2653.76	2648.96	2644.34	2639.54
25.0	2636.59	2634.40	2632.49	2630.94	2629.88	2628.40	2626.23	2620.23	2614.07	2607.73
27.5	2599.77	2593.81	2590.07	2586.82	2584.17	2582.22	2581.02	2580.70	2581.36	2574.12
30.0	2576.63	2568.05	2558.78	2548.97	2538.66	2531.77	2528.66	2526.44	2525.25	2525.23

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CANDELA TABULATION - (Cont.)

32.5	2554.09	2544.40	2534.01	2522.92	2510.41	2498.21	2484.19	2469.08	2463.45	2461.37
35.0	2472.92	2474.89	2478.04	2481.91	2484.06	2469.25	2453.03	2435.46	2415.42	2397.39
37.5	2389.06	2390.31	2391.60	2394.05	2397.65	2402.74	2409.52	2402.66	2381.43	2359.48
40.0	2326.74	2320.67	2313.70	2305.70	2303.18	2305.78	2310.19	2316.76	2325.74	2322.63
42.5	2265.83	2259.13	2251.30	2242.21	2231.86	2220.56	2210.00	2212.37	2219.26	2228.95
45.0	2183.70	2181.05	2179.03	2177.97	2167.11	2155.61	2142.44	2128.36	2113.38	2115.28
47.5	2097.11	2090.06	2086.31	2082.13	2079.32	2078.06	2077.15	2061.26	2043.70	2022.67
50.0	1995.51	1992.30	1988.29	1983.93	1978.73	1974.45	1971.84	1971.29	1973.13	1953.26
52.5	1892.63	1889.11	1884.81	1880.05	1874.89	1868.75	1860.99	1855.82	1853.33	1853.73
55.0	1765.30	1766.54	1769.12	1773.23	1771.51	1762.36	1754.87	1743.64	1730.53	1724.60
57.5	1634.24	1631.84	1632.04	1632.94	1634.90	1640.27	1646.19	1637.90	1622.69	1606.35
60.0	1529.47	1521.12	1512.10	1501.07	1490.81	1490.25	1491.05	1493.77	1499.20	1496.84
62.5	1421.30	1418.13	1409.07	1397.64	1383.80	1367.55	1347.79	1328.35	1327.94	1334.27
65.0	1211.36	1224.33	1237.36	1252.27	1267.04	1264.38	1243.54	1217.74	1190.43	1165.62
67.5	1005.16	1013.97	1025.63	1038.39	1051.88	1065.03	1077.25	1087.44	1082.99	1056.66
70.0	816.80	827.18	835.67	843.12	849.45	852.86	857.73	867.82	881.01	896.93
72.5	625.38	639.56	652.64	662.25	671.36	678.07	680.87	681.93	684.84	687.11
75.0	425.22	438.10	451.09	465.17	479.82	494.25	507.66	520.92	525.54	531.72
77.5	237.21	247.01	257.27	268.23	280.52	296.62	312.16	327.89	345.25	363.22
80.0	63.78	75.85	88.64	101.98	115.64	129.43	142.60	156.23	170.57	185.23
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.58	23.08	40.66
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2809.83	2810.24	2810.64	2811.04	2811.46	2811.90	2812.35	2812.82	2813.30	2813.80
5.0	2799.21	2799.82	2800.56	2801.27	2802.04	2802.88	2803.77	2804.71	2805.70	2806.74
7.5	2784.20	2784.79	2785.81	2786.71	2787.75	2788.92	2790.22	2791.34	2793.11	2794.66
10.0	2769.87	2769.05	2768.96	2768.45	2768.12	2769.25	2770.84	2772.53	2774.45	2776.60
12.5	2754.69	2753.47	2752.10	2750.69	2749.36	2748.04	2746.66	2746.41	2748.85	2750.88
15.0	2738.43	2736.06	2733.49	2730.85	2727.84	2725.59	2722.99	2720.54	2718.21	2719.45
17.5	2709.63	2710.27	2711.30	2709.35	2705.26	2701.08	2697.09	2693.21	2689.47	2686.01
20.0	2674.46	2674.39	2674.86	2675.91	2677.58	2675.07	2669.49	2663.91	2658.60	2653.57
22.5	2635.21	2634.15	2633.87	2634.37	2635.64	2637.84	2640.02	2632.42	2625.05	2617.76
25.0	2601.13	2594.23	2587.42	2587.00	2587.46	2589.32	2592.20	2596.36	2588.12	2578.35
27.5	2566.67	2557.42	2547.75	2536.22	2531.54	2532.83	2535.62	2540.02	2547.26	2535.15
30.0	2526.53	2519.69	2507.14	2493.15	2481.42	2469.68	2471.25	2476.89	2483.36	2488.78
32.5	2460.85	2461.90	2465.99	2449.20	2434.70	2419.30	2404.28	2407.73	2414.48	2423.61
35.0	2390.08	2389.69	2391.24	2393.34	2387.55	2368.88	2350.38	2332.33	2339.33	2349.26
37.5	2336.89	2313.62	2310.77	2315.19	2320.13	2317.76	2295.43	2273.28	2256.82	2267.44
40.0	2297.09	2270.44	2242.72	2229.18	2232.64	2239.58	2239.24	2212.42	2186.09	2177.41
42.5	2241.60	2228.23	2196.34	2162.81	2137.13	2142.92	2152.89	2150.12	2118.91	2088.76
45.0	2125.40	2139.14	2150.78	2112.33	2073.00	2038.61	2047.62	2061.75	2050.55	2014.58
47.5	2003.97	2012.81	2027.93	2047.78	2018.67	1973.46	1931.69	1945.64	1967.71	1939.13
50.0	1927.10	1903.26	1892.91	1910.60	1933.69	1914.69	1862.19	1826.17	1845.84	1861.15
52.5	1856.39	1827.56	1797.57	1766.45	1786.76	1814.03	1799.97	1742.56	1712.03	1739.54
55.0	1724.71	1729.18	1720.99	1685.28	1645.87	1654.79	1688.55	1673.04	1594.29	1584.17
57.5	1590.89	1588.63	1592.19	1602.44	1556.95	1511.62	1511.78	1552.88	1513.85	1431.27
60.0	1478.84	1458.94	1430.77	1429.18	1445.59	1421.57	1366.68	1363.95	1411.43	1354.87
62.5	1346.28	1348.52	1314.41	1278.29	1272.16	1289.45	1282.65	1224.96	1224.92	1284.43
65.0	1164.95	1173.16	1180.66	1171.17	1139.31	1114.01	1134.39	1143.52	1074.61	1085.21
67.5	1033.41	1001.36	987.08	1001.06	1023.78	1000.38	963.63	973.75	994.45	915.45

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CANDELA TABULATION - (Cont.)

70.0	913.84	899.67	862.09	827.29	827.75	853.93	863.76	811.42	806.04	837.67
72.5	701.12	715.12	725.35	725.25	699.32	666.07	670.25	703.33	663.78	638.85
75.0	533.34	528.77	521.67	541.32	561.41	574.08	528.53	490.35	529.50	519.81
77.5	380.38	394.05	392.97	393.15	385.52	378.90	393.61	406.92	370.54	358.94
80.0	203.47	222.30	238.77	254.80	269.60	267.40	255.75	243.68	258.37	266.24
82.5	58.38	75.16	90.50	103.53	115.35	130.06	144.07	157.17	156.87	140.59
85.0	0.00	0.00	0.00	0.00	0.00	14.85	29.42	41.65	52.37	65.72
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2814.31	2814.82	2815.35	2815.88	2816.42	2816.96	2817.51	2816.79	2816.07	2815.36
5.0	2807.83	2808.95	2809.97	2811.23	2812.49	2813.75	2815.02	2813.42	2811.83	2810.24
7.5	2796.32	2798.08	2799.94	2801.89	2803.92	2806.02	2808.18	2805.54	2802.96	2800.45
10.0	2778.95	2781.51	2784.24	2786.64	2789.99	2793.35	2796.71	2792.74	2788.78	2784.84
12.5	2754.72	2758.04	2761.69	2765.63	2769.86	2774.33	2779.04	2773.64	2768.46	2763.55
15.0	2723.23	2727.47	2732.16	2737.28	2742.15	2748.51	2754.88	2747.70	2740.54	2734.86
17.5	2686.30	2691.37	2696.95	2703.10	2709.79	2716.99	2724.68	2716.05	2707.92	2700.29
20.0	2648.71	2650.13	2656.80	2664.23	2671.21	2680.89	2690.60	2679.82	2669.07	2661.02
22.5	2610.90	2603.43	2610.73	2619.62	2629.51	2640.32	2651.96	2639.25	2627.36	2616.37
25.0	2569.07	2560.27	2558.00	2568.76	2580.75	2593.41	2608.05	2592.45	2578.81	2565.80
27.5	2523.17	2511.98	2501.64	2511.56	2525.87	2541.60	2558.66	2540.80	2524.24	2509.08
30.0	2474.14	2460.29	2447.43	2448.72	2465.35	2482.97	2503.60	2482.36	2464.10	2446.79
32.5	2422.35	2405.54	2388.61	2380.50	2399.69	2420.99	2444.22	2420.60	2398.88	2379.21
35.0	2361.95	2347.46	2328.07	2310.16	2327.70	2351.69	2380.06	2351.74	2327.74	2310.02
37.5	2281.65	2285.39	2261.63	2239.38	2247.85	2277.02	2309.03	2277.38	2248.53	2240.15
40.0	2192.78	2212.16	2190.80	2163.72	2160.63	2192.66	2230.99	2193.32	2161.92	2165.33
42.5	2096.36	2117.39	2116.39	2083.91	2066.12	2104.15	2146.09	2105.49	2068.70	2086.76
45.0	1991.48	2014.55	2038.68	2000.22	1965.26	2006.26	2055.91	2008.58	1969.38	2005.35
47.5	1898.01	1903.51	1935.13	1911.86	1871.15	1906.08	1960.23	1909.15	1877.05	1919.67
50.0	1815.46	1783.09	1817.30	1822.16	1771.39	1792.79	1859.05	1797.64	1779.86	1832.49
52.5	1729.41	1665.36	1682.13	1723.67	1657.22	1668.20	1748.77	1674.45	1669.02	1739.16
55.0	1625.34	1560.55	1530.09	1588.99	1539.29	1528.72	1619.00	1535.15	1552.52	1609.18
57.5	1461.63	1463.82	1391.29	1442.76	1427.60	1399.79	1492.00	1407.67	1442.08	1464.28
60.0	1300.58	1353.32	1290.64	1293.48	1315.63	1253.19	1366.24	1262.49	1333.27	1320.16
62.5	1184.08	1185.06	1191.84	1131.95	1200.21	1106.41	1228.66	1116.24	1220.56	1161.15
65.0	1111.91	1005.74	1080.74	982.74	1058.56	962.48	1084.26	974.13	1080.53	1013.04
67.5	950.97	921.57	889.11	877.32	881.15	828.02	935.59	839.48	905.14	901.91
70.0	743.85	817.61	709.29	782.36	701.61	701.42	785.22	714.12	726.99	801.15
72.5	673.74	587.07	640.12	591.83	532.66	579.55	639.63	596.32	566.04	611.72
75.0	469.72	506.54	466.54	423.65	449.45	468.50	493.81	488.54	477.75	442.00
77.5	388.04	328.60	347.76	368.72	333.49	331.75	358.52	352.66	341.20	379.44
80.0	222.30	256.51	203.31	199.58	181.99	166.42	232.57	170.86	127.76	154.57
82.5	142.57	141.27	129.32	101.32	102.44	108.71	133.66	68.64	20.12	21.76
85.0	76.05	65.81	56.24	43.94	31.51	34.14	58.63	4.35	3.96	3.39
87.5	0.00	7.24	14.15	19.48	13.38	7.94	10.38	5.32	4.77	3.38
90.0	0.00	0.00	0.00	0.00	0.00	0.00	6.10	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2814.66	2813.96	2813.27	2812.60	2811.93	2811.28	2810.65	2810.04	2809.45	2808.87

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CANDELA TABULATION - (Cont.)

5.0	2808.66	2807.31	2805.87	2804.46	2803.11	2801.80	2800.55	2799.35	2798.22	2797.15
7.5	2798.03	2795.69	2793.46	2791.33	2789.32	2787.10	2785.52	2783.79	2782.19	2780.72
10.0	2781.83	2778.49	2775.33	2772.37	2769.62	2767.09	2764.80	2762.63	2760.82	2760.65
12.5	2758.91	2754.58	2750.57	2746.05	2743.32	2740.19	2739.67	2740.25	2740.75	2741.27
15.0	2728.94	2723.45	2718.40	2713.82	2711.78	2713.27	2714.87	2716.62	2718.03	2720.09
17.5	2693.22	2686.72	2680.75	2679.54	2682.08	2684.89	2687.83	2690.90	2694.15	2697.32
20.0	2652.52	2644.80	2642.32	2646.14	2650.15	2654.46	2659.06	2663.65	2665.20	2662.59
22.5	2606.35	2597.91	2604.00	2609.55	2615.56	2621.74	2628.24	2625.00	2621.73	2619.44
25.0	2553.99	2554.92	2562.22	2569.96	2578.16	2584.86	2579.71	2575.68	2572.61	2570.80
27.5	2498.22	2507.17	2516.88	2527.27	2536.56	2529.67	2524.20	2520.16	2517.52	2516.81
30.0	2444.55	2456.19	2468.73	2481.96	2475.73	2468.38	2461.84	2458.10	2462.08	2464.84
32.5	2386.42	2402.27	2417.92	2418.37	2408.69	2401.23	2396.35	2401.34	2406.87	2411.74
35.0	2326.98	2345.31	2358.90	2346.11	2335.75	2328.03	2335.10	2342.76	2350.78	2346.97
37.5	2262.05	2285.21	2281.45	2267.47	2256.94	2263.10	2273.03	2283.56	2275.70	2261.12
40.0	2192.43	2213.82	2195.08	2180.16	2182.24	2196.18	2210.17	2199.52	2182.32	2168.46
42.5	2119.32	2121.12	2100.99	2091.32	2109.08	2127.76	2119.34	2098.71	2082.26	2094.46
45.0	2044.04	2022.24	2001.04	2013.29	2035.49	2034.83	2010.12	1990.02	2010.13	2034.73
47.5	1944.91	1916.35	1908.21	1934.62	1949.08	1916.58	1891.84	1918.09	1947.49	1970.29
50.0	1831.34	1800.88	1821.60	1852.85	1825.47	1794.68	1816.44	1852.73	1872.94	1876.04
52.5	1704.44	1688.36	1732.92	1728.95	1689.88	1704.89	1747.05	1768.07	1769.59	1776.13
55.0	1555.81	1579.21	1628.37	1574.53	1570.82	1629.17	1651.98	1653.35	1673.24	1734.60
57.5	1418.39	1476.29	1461.48	1417.51	1483.87	1524.88	1519.71	1555.20	1627.00	1693.10
60.0	1315.38	1361.86	1297.87	1334.79	1385.26	1375.90	1414.86	1507.54	1563.42	1577.56
62.5	1212.60	1192.68	1177.93	1258.78	1239.99	1277.14	1369.01	1411.47	1428.54	1464.51
65.0	1096.28	1009.31	1099.28	1101.11	1130.54	1235.01	1260.73	1274.53	1319.60	1372.28
67.5	901.49	919.69	960.47	970.62	1089.64	1105.90	1126.58	1182.20	1222.56	1216.05
70.0	718.25	819.03	791.18	932.54	941.34	976.08	1042.90	1048.17	1037.78	1057.65
72.5	646.73	629.55	759.77	766.56	819.62	881.33	860.23	870.90	928.25	978.73
75.0	496.37	587.17	592.03	665.88	688.85	664.55	732.65	797.68	797.70	791.59
77.5	403.24	425.19	519.93	496.67	530.61	602.43	598.76	595.30	620.17	647.72
80.0	199.06	333.12	299.12	406.85	407.03	406.00	453.26	492.39	515.31	515.39
82.5	93.10	149.99	183.74	225.85	295.29	322.37	330.12	339.07	334.56	296.05
85.0	11.26	43.91	100.90	116.71	131.09	117.45	85.76	43.98	0.00	0.00
87.5	2.50	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2808.32	2807.78	2807.23	2806.72	2806.22	2805.75	2805.30	2804.89	2804.49	2804.13
5.0	2796.15	2795.14	2794.25	2793.37	2792.56	2791.82	2791.15	2790.56	2789.96	2789.40
7.5	2779.40	2777.99	2777.00	2776.15	2775.77	2775.44	2775.05	2774.66	2774.34	2774.07
10.0	2760.57	2760.09	2760.35	2760.27	2760.25	2760.10	2759.96	2759.89	2759.67	2759.47
12.5	2741.90	2742.50	2742.99	2743.55	2744.01	2744.38	2744.80	2744.85	2744.16	2743.33
15.0	2721.78	2723.38	2724.81	2724.72	2723.32	2722.35	2721.48	2720.96	2720.55	2720.46
17.5	2698.41	2696.56	2695.06	2694.03	2693.35	2693.05	2693.09	2693.25	2693.29	2694.37
20.0	2660.62	2659.26	2658.47	2658.13	2658.34	2658.94	2657.89	2656.89	2655.54	2654.17
22.5	2617.97	2617.32	2616.49	2616.98	2616.48	2615.92	2615.59	2615.08	2614.44	2613.58
25.0	2569.59	2570.52	2571.38	2572.15	2572.73	2573.17	2573.52	2570.47	2566.93	2563.08
27.5	2520.40	2522.61	2524.89	2525.88	2526.90	2520.46	2515.10	2510.72	2507.26	2504.59
30.0	2470.00	2474.15	2473.34	2465.32	2458.83	2453.63	2449.64	2446.77	2447.58	2451.60
32.5	2417.69	2406.98	2398.22	2391.26	2386.08	2384.42	2391.73	2398.42	2403.78	2409.34
35.0	2335.96	2325.80	2317.97	2316.95	2326.15	2337.40	2346.51	2354.72	2361.96	2366.51
37.5	2247.33	2240.57	2253.50	2266.42	2279.00	2291.08	2299.82	2305.89	2312.77	2320.11
40.0	2170.49	2186.06	2201.35	2216.50	2225.95	2232.79	2240.95	2250.17	2260.03	2273.51

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CANDELA TABULATION - (Cont.)

42.5	2113.88	2132.44	2145.28	2151.12	2158.78	2168.16	2180.00	2205.22	2228.63	2249.80
45.0	2058.16	2064.26	2070.62	2079.11	2093.78	2123.54	2152.34	2179.49	2203.66	2225.72
47.5	1974.35	1981.44	1992.29	2027.53	2063.24	2095.39	2126.19	2142.04	2157.03	2172.29
50.0	1883.04	1914.14	1955.94	1997.92	2032.80	2047.14	2062.92	2079.95	2098.08	2115.20
52.5	1828.76	1878.53	1925.70	1941.96	1959.17	1977.53	1996.00	2009.37	2021.68	2033.15
55.0	1792.22	1822.63	1839.94	1859.72	1880.71	1898.01	1913.21	1925.42	1940.47	1948.62
57.5	1708.22	1727.41	1749.93	1772.69	1794.04	1813.50	1826.26	1826.17	1827.24	1831.46
60.0	1601.86	1632.34	1660.67	1685.96	1693.83	1693.85	1696.37	1700.95	1707.18	1722.97
62.5	1506.18	1542.08	1550.46	1549.47	1551.22	1555.84	1577.78	1601.79	1623.41	1642.55
65.0	1389.60	1385.75	1387.00	1403.45	1438.70	1467.82	1495.44	1520.81	1526.61	1511.27
67.5	1214.01	1234.87	1277.27	1319.25	1355.71	1355.93	1340.65	1325.85	1311.06	1296.83
70.0	1104.74	1147.64	1173.34	1168.50	1157.22	1141.79	1125.32	1115.12	1108.47	1100.74
72.5	984.68	975.47	963.56	952.73	959.26	955.63	947.48	939.24	929.19	918.95
75.0	782.87	798.57	804.87	805.67	802.38	790.90	772.37	755.42	738.22	721.52
77.5	664.20	671.63	660.25	645.83	627.72	605.03	581.18	559.29	540.82	510.74
80.0	511.57	503.84	490.86	454.26	400.79	349.88	303.63	262.74	227.66	194.91
82.5	248.48	199.11	148.86	100.37	54.62	12.59	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2803.79	2803.49	2803.21	2802.95	2802.67	2802.43	2802.22	2802.04	2801.89	2801.77
5.0	2788.92	2788.50	2788.16	2787.76	2787.50	2787.23	2787.03	2786.89	2786.27	2786.33
7.5	2773.69	2773.36	2773.08	2772.78	2772.43	2772.15	2771.87	2771.55	2771.29	2771.09
10.0	2759.28	2758.99	2758.72	2758.39	2757.99	2757.66	2757.15	2756.73	2756.24	2755.24
12.5	2742.68	2742.13	2741.69	2741.33	2741.02	2740.76	2740.55	2740.34	2740.17	2739.94
15.0	2720.40	2720.59	2720.83	2721.19	2721.66	2722.02	2722.49	2722.92	2723.30	2723.64
17.5	2693.47	2691.98	2690.56	2689.16	2687.54	2686.55	2685.24	2684.06	2683.01	2681.96
20.0	2652.79	2651.40	2649.95	2648.48	2646.99	2645.23	2643.94	2642.34	2640.78	2639.28
22.5	2612.53	2610.40	2607.25	2604.55	2602.24	2600.24	2598.53	2597.07	2595.83	2594.77
25.0	2559.83	2557.22	2555.17	2553.57	2552.36	2551.42	2550.72	2550.20	2549.83	2549.62
27.5	2502.68	2501.48	2502.37	2504.22	2505.65	2506.56	2507.13	2507.29	2507.16	2506.78
30.0	2455.14	2458.34	2461.16	2463.43	2464.97	2465.86	2466.18	2466.05	2465.55	2464.57
32.5	2413.63	2417.38	2420.63	2424.16	2427.39	2430.33	2432.88	2434.83	2436.38	2437.48
35.0	2371.92	2377.18	2382.66	2388.02	2393.24	2397.73	2402.41	2406.11	2409.02	2411.28
37.5	2327.64	2335.32	2342.13	2352.82	2362.67	2370.85	2377.61	2382.60	2386.25	2388.46
40.0	2290.97	2306.56	2320.27	2332.13	2342.22	2350.57	2357.02	2361.74	2364.72	2366.38
42.5	2268.61	2285.30	2299.84	2310.34	2317.84	2324.51	2330.27	2334.77	2338.23	2340.63
45.0	2237.47	2249.13	2260.35	2271.20	2281.41	2290.46	2298.33	2305.01	2310.28	2314.07
47.5	2187.58	2201.29	2216.85	2226.71	2230.85	2233.75	2235.41	2235.93	2235.57	2234.50
50.0	2124.87	2132.93	2139.32	2144.62	2148.69	2151.39	2152.55	2152.48	2151.36	2149.44
52.5	2043.26	2051.48	2057.88	2060.62	2061.32	2061.96	2062.28	2062.13	2061.18	2060.25
55.0	1950.12	1952.11	1954.32	1956.84	1959.85	1963.20	1966.22	1968.53	1969.82	1970.49
57.5	1836.21	1841.03	1847.37	1855.99	1864.45	1872.18	1878.26	1882.18	1884.16	1884.67
60.0	1739.18	1752.96	1764.49	1774.04	1782.65	1790.19	1795.68	1798.87	1800.04	1799.51
62.5	1658.99	1672.65	1677.64	1663.92	1652.37	1642.69	1634.10	1625.86	1618.25	1611.39
65.0	1495.61	1481.99	1468.82	1456.89	1446.49	1437.93	1430.79	1424.55	1418.77	1413.52
67.5	1283.51	1268.68	1263.04	1255.52	1248.06	1241.46	1235.59	1230.02	1224.38	1218.68
70.0	1092.57	1083.95	1075.36	1066.84	1058.65	1051.22	1044.22	1037.61	1030.98	1024.40
72.5	908.08	895.41	883.59	872.71	862.99	854.50	846.75	839.64	833.70	827.94
75.0	706.48	692.87	681.12	671.03	662.01	654.23	647.18	640.84	635.82	631.27
77.5	479.61	452.13	427.92	406.55	387.58	370.66	355.74	342.78	332.29	323.76

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CANDELA TABULATION - (Cont.)

80.0	165.60	139.11	115.15	93.61	74.20	56.97	41.95	29.16	18.68	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2801.68	2801.61	2801.58	2801.51	2801.47	2801.45	2801.47	2801.51	2801.59	2801.68
5.0	2786.39	2786.45	2786.51	2786.45	2786.39	2786.33	2786.28	2786.93	2787.00	2787.18
7.5	2770.78	2770.56	2770.43	2770.16	2769.99	2769.92	2769.76	2769.69	2769.74	2769.73
10.0	2755.06	2754.70	2754.34	2753.63	2752.93	2751.97	2751.94	2751.39	2750.80	2750.39
12.5	2739.79	2739.51	2739.32	2738.89	2738.67	2737.93	2737.31	2736.48	2735.58	2734.53
15.0	2723.59	2724.04	2724.30	2724.17	2723.83	2723.91	2723.28	2722.52	2721.52	2720.28
17.5	2681.07	2680.38	2679.88	2679.38	2679.09	2679.01	2679.15	2679.36	2679.88	2680.76
20.0	2636.67	2636.31	2635.46	2633.86	2631.70	2631.96	2631.14	2630.52	2630.58	2629.94
22.5	2593.83	2593.07	2592.34	2591.59	2590.78	2589.88	2588.87	2587.71	2586.35	2584.73
25.0	2547.99	2548.95	2549.21	2548.83	2547.52	2548.45	2547.77	2546.87	2545.65	2544.04
27.5	2506.19	2505.46	2504.61	2503.55	2502.39	2501.12	2499.80	2498.51	2497.26	2496.12
30.0	2461.61	2461.31	2460.00	2457.38	2453.66	2452.87	2450.13	2447.13	2444.07	2441.16
32.5	2437.83	2437.60	2436.72	2434.86	2432.21	2428.78	2423.97	2418.20	2411.27	2403.15
35.0	2412.90	2413.31	2413.43	2412.02	2410.16	2406.98	2402.71	2397.14	2390.09	2381.85
37.5	2389.55	2389.23	2387.90	2385.39	2382.28	2377.82	2373.15	2366.68	2360.53	2352.65
40.0	2366.46	2364.78	2362.36	2358.06	2353.50	2347.49	2340.32	2332.30	2323.43	2314.10
42.5	2341.70	2341.40	2339.66	2336.23	2331.51	2325.73	2317.46	2307.73	2297.07	2283.34
45.0	2316.65	2317.41	2316.96	2314.02	2310.03	2304.48	2297.43	2287.62	2276.25	2263.08
47.5	2232.90	2230.69	2227.93	2224.74	2221.49	2218.21	2214.77	2211.43	2208.41	2205.75
50.0	2146.69	2142.29	2138.90	2133.44	2129.71	2124.46	2118.84	2113.33	2108.03	2103.00
52.5	2058.70	2056.38	2053.26	2049.64	2045.52	2040.36	2033.97	2026.66	2018.55	2009.48
55.0	1970.41	1968.61	1967.62	1964.25	1962.14	1957.52	1951.66	1944.56	1936.62	1927.63
57.5	1883.80	1881.69	1878.61	1874.82	1870.19	1864.40	1857.59	1850.34	1842.99	1835.46
60.0	1794.17	1793.11	1789.61	1783.68	1774.64	1769.99	1760.95	1751.60	1741.99	1732.81
62.5	1605.32	1600.18	1596.04	1593.03	1590.79	1588.59	1586.56	1585.87	1584.61	1583.99
65.0	1402.36	1403.72	1402.46	1399.03	1393.57	1399.41	1398.97	1398.45	1398.76	1399.51
67.5	1213.78	1209.48	1205.99	1203.65	1202.16	1200.95	1200.22	1200.40	1201.78	1204.39
70.0	1013.25	1012.25	1009.51	1005.22	998.53	1001.86	1000.15	999.32	1000.38	1001.44
72.5	822.82	818.76	815.49	813.28	811.76	810.15	808.94	808.14	807.92	808.57
75.0	622.56	622.81	621.47	618.96	615.52	619.30	619.05	619.57	619.61	621.34
77.5	317.03	312.85	310.74	310.89	313.41	317.60	323.58	331.38	340.76	352.65
80.0	0.00	0.00	0.00	0.00	0.00	0.00	18.19	28.18	40.16	54.15
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2801.81	2801.96	2802.18	2802.23	2802.39	2802.57	2802.78	2803.01	2803.26	2803.53
5.0	2787.40	2787.67	2787.91	2788.12	2788.38	2788.68	2789.02	2789.47	2789.63	2789.95
7.5	2769.80	2770.01	2770.21	2770.45	2770.83	2771.41	2771.79	2772.40	2773.17	2774.29
10.0	2749.87	2749.53	2749.23	2748.98	2748.96	2748.86	2748.98	2749.71	2749.64	2750.26
12.5	2733.38	2732.09	2730.65	2729.06	2727.35	2725.46	2723.55	2721.40	2721.57	2721.62

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CANDELA TABULATION - (Cont.)

15.0	2719.30	2717.26	2715.38	2713.30	2710.90	2708.45	2705.64	2703.43	2699.88	2697.60
17.5	2681.95	2683.38	2685.27	2687.63	2690.23	2691.49	2687.87	2684.05	2680.21	2676.23
20.0	2629.96	2630.37	2631.27	2633.46	2634.71	2637.32	2640.65	2644.94	2649.54	2655.15
22.5	2582.86	2580.85	2578.82	2576.84	2577.16	2578.67	2581.21	2584.56	2588.81	2593.98
25.0	2542.05	2539.76	2537.31	2534.78	2532.19	2529.47	2526.96	2523.55	2523.59	2527.47
27.5	2495.80	2494.44	2494.33	2493.21	2489.94	2486.40	2482.52	2478.13	2473.15	2467.86
30.0	2438.64	2436.84	2434.94	2434.00	2433.74	2434.23	2435.64	2433.27	2426.71	2419.82
32.5	2394.20	2384.39	2373.65	2370.69	2368.19	2366.37	2365.52	2367.10	2367.04	2369.90
35.0	2372.38	2361.90	2350.66	2337.14	2322.28	2305.95	2291.75	2290.00	2289.77	2291.09
37.5	2345.33	2337.32	2327.84	2313.66	2297.46	2281.00	2260.36	2240.33	2220.17	2208.82
40.0	2304.27	2294.05	2283.36	2272.35	2261.21	2250.37	2233.34	2212.12	2188.32	2163.81
42.5	2268.51	2251.56	2234.85	2220.61	2206.65	2193.08	2180.27	2168.29	2157.46	2131.42
45.0	2247.92	2230.16	2209.61	2187.74	2162.21	2136.01	2118.20	2102.87	2089.27	2075.16
47.5	2203.54	2201.78	2188.74	2164.78	2139.00	2111.28	2081.90	2049.14	2015.82	1998.50
50.0	2098.01	2093.61	2088.28	2084.71	2082.61	2082.23	2057.88	2022.19	1984.63	1944.08
52.5	1998.65	1985.85	1975.25	1968.78	1963.55	1959.86	1959.30	1957.73	1957.55	1914.35
55.0	1916.99	1904.20	1889.99	1874.63	1857.95	1839.92	1829.60	1824.60	1822.13	1822.23
57.5	1827.45	1818.67	1808.75	1792.81	1775.16	1755.93	1734.96	1711.88	1686.67	1677.07
60.0	1720.25	1708.42	1696.64	1684.90	1673.74	1663.53	1651.30	1627.09	1600.31	1571.38
62.5	1582.69	1581.24	1579.47	1566.64	1551.66	1537.35	1523.80	1511.15	1499.91	1485.79
65.0	1400.54	1399.73	1399.17	1397.55	1395.23	1391.83	1386.67	1374.14	1358.17	1344.16
67.5	1207.59	1211.51	1216.39	1219.08	1220.31	1218.57	1215.36	1209.76	1202.12	1192.32
70.0	1003.79	1007.84	1010.72	1014.90	1020.18	1025.52	1031.72	1037.89	1038.07	1031.31
72.5	810.01	811.08	812.02	812.67	812.46	817.94	822.43	828.18	836.44	845.07
75.0	623.79	626.65	630.16	631.68	633.61	635.27	635.51	635.89	638.46	639.14
77.5	365.91	381.00	397.27	414.19	431.62	449.60	463.26	463.84	469.67	475.46
80.0	70.01	87.63	106.79	127.32	148.68	171.10	193.82	216.14	241.48	268.53
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.63
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.
Angles**

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2803.83	2804.15	2804.49	2804.85	2805.31	2805.54	2805.91	2806.30	2806.71	2807.15
5.0	2790.30	2790.70	2791.13	2791.61	2792.39	2792.49	2792.98	2793.51	2794.09	2794.71
7.5	2774.95	2776.02	2776.61	2776.93	2777.18	2777.43	2777.74	2778.11	2778.54	2779.04
10.0	2751.44	2751.98	2753.13	2754.56	2756.10	2757.84	2759.84	2760.03	2760.46	2760.10
12.5	2722.05	2722.74	2723.68	2725.03	2726.63	2728.54	2730.85	2734.10	2736.31	2738.36
15.0	2693.91	2691.01	2689.68	2690.79	2692.24	2694.12	2696.53	2699.28	2702.55	2706.36
17.5	2672.16	2668.01	2663.71	2659.39	2655.00	2654.32	2657.93	2659.45	2663.03	2667.22
20.0	2650.26	2644.51	2638.68	2632.59	2626.32	2619.89	2613.37	2612.42	2617.10	2620.66
22.5	2599.91	2606.98	2613.86	2604.95	2596.38	2587.63	2578.84	2570.21	2561.70	2567.45
25.0	2532.59	2539.04	2546.65	2555.52	2565.26	2554.20	2542.90	2532.09	2520.66	2510.02
27.5	2463.47	2465.36	2472.37	2481.02	2491.32	2503.26	2505.79	2491.90	2478.10	2464.56
30.0	2412.76	2405.61	2398.52	2401.28	2411.23	2423.14	2436.97	2451.07	2433.98	2417.25
32.5	2363.37	2354.46	2345.39	2336.16	2326.85	2337.12	2350.94	2367.31	2386.35	2368.27
35.0	2294.04	2299.16	2293.96	2282.38	2269.47	2256.80	2258.61	2275.14	2294.82	2317.74
37.5	2209.75	2212.55	2217.51	2224.95	2210.66	2195.42	2180.09	2175.64	2195.65	2219.34
40.0	2138.38	2120.99	2123.74	2129.25	2137.84	2133.81	2114.93	2095.96	2088.45	2112.75
42.5	2102.13	2070.98	2038.08	2027.77	2034.56	2044.88	2049.91	2026.78	2003.68	1998.39
45.0	2063.33	2033.84	1997.54	1959.85	1925.57	1933.81	1946.26	1957.85	1929.77	1901.49
47.5	1982.65	1968.92	1957.50	1917.00	1873.51	1828.06	1826.15	1841.86	1856.13	1822.48
50.0	1900.72	1880.24	1865.11	1852.90	1828.14	1777.69	1725.54	1712.43	1732.33	1745.97

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CANDELA TABULATION - (Cont.)

52.5	1868.10	1818.73	1766.54	1751.22	1738.13	1729.81	1672.13	1612.20	1591.89	1616.37
55.0	1825.34	1785.31	1729.34	1669.97	1626.39	1613.50	1605.96	1554.08	1477.06	1452.51
57.5	1675.63	1677.63	1683.49	1632.42	1565.52	1492.01	1471.33	1464.98	1411.00	1325.91
60.0	1540.38	1518.85	1518.27	1524.38	1527.88	1446.39	1354.50	1313.57	1310.12	1265.00
62.5	1453.10	1416.39	1374.73	1347.44	1350.91	1358.10	1309.70	1220.81	1162.39	1166.64
65.0	1331.32	1319.96	1284.12	1237.98	1185.95	1164.39	1175.89	1181.36	1085.92	1008.78
67.5	1172.17	1150.75	1139.81	1130.82	1100.44	1049.06	996.50	1000.62	1021.28	944.70
70.0	1016.06	993.41	973.94	958.27	949.59	945.13	915.66	855.64	815.44	844.74
72.5	850.50	850.52	834.75	815.96	792.45	768.20	762.04	761.01	714.27	646.85
75.0	646.61	652.84	660.17	667.24	671.07	647.10	610.08	564.94	574.50	582.48
77.5	479.34	482.55	481.09	476.71	485.12	490.85	493.33	475.96	435.20	388.73
80.0	296.47	324.58	342.46	343.32	342.52	336.07	321.85	316.34	320.52	322.79
82.5	40.17	71.38	102.68	133.01	163.11	191.25	216.84	212.60	198.86	179.35
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.10	55.71	77.14
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2807.60	2808.07	2808.55	2809.06	2809.58	2810.12	2810.67	2811.24	2811.83	2811.43
5.0	2795.37	2796.08	2796.82	2797.62	2798.45	2799.33	2800.25	2801.21	2802.22	2801.59
7.5	2779.85	2780.12	2780.77	2781.51	2782.34	2783.26	2784.29	2785.41	2786.63	2785.96
10.0	2760.26	2760.53	2760.94	2761.47	2762.15	2762.97	2763.95	2765.08	2766.38	2765.79
12.5	2737.91	2737.65	2738.20	2737.53	2737.77	2738.24	2738.94	2739.89	2741.10	2740.75
15.0	2711.48	2711.60	2710.60	2709.83	2709.32	2709.10	2709.20	2709.62	2710.41	2710.61
17.5	2672.00	2677.53	2679.92	2678.88	2676.00	2674.57	2673.59	2673.09	2673.12	2674.13
20.0	2626.13	2633.13	2639.58	2640.87	2637.55	2634.77	2632.57	2630.99	2630.08	2632.08
22.5	2574.86	2580.45	2588.64	2597.99	2594.69	2590.16	2586.39	2583.42	2581.32	2584.53
25.0	2514.54	2522.37	2533.49	2542.02	2547.63	2541.36	2535.98	2531.58	2528.22	2532.69
27.5	2451.41	2458.36	2468.57	2480.52	2495.18	2488.63	2481.22	2475.01	2470.08	2476.10
30.0	2401.74	2388.33	2399.73	2413.07	2428.42	2431.88	2422.14	2413.77	2406.91	2414.88
32.5	2348.46	2329.22	2324.09	2339.03	2356.54	2370.91	2358.12	2346.96	2337.64	2347.99
35.0	2293.56	2270.02	2247.16	2259.33	2277.26	2299.83	2289.00	2274.81	2262.76	2275.58
37.5	2236.68	2208.12	2181.08	2168.48	2190.71	2216.29	2214.78	2197.12	2182.01	2197.59
40.0	2141.27	2143.78	2111.19	2079.84	2096.61	2125.57	2135.67	2113.41	2094.05	2113.58
42.5	2027.93	2062.92	2039.27	2001.45	1993.68	2028.34	2050.38	2022.53	1998.15	2022.26
45.0	1905.76	1942.10	1967.96	1920.38	1882.26	1918.52	1959.84	1925.85	1896.06	1924.95
47.5	1788.87	1812.61	1857.48	1839.06	1786.58	1802.44	1849.30	1823.34	1786.89	1821.85
50.0	1705.38	1671.43	1718.70	1752.18	1689.07	1670.46	1727.21	1710.59	1661.20	1708.31
52.5	1617.13	1561.95	1560.89	1624.07	1580.96	1517.76	1584.20	1581.61	1521.31	1578.62
55.0	1487.73	1461.68	1399.37	1452.85	1472.61	1392.65	1436.51	1452.79	1391.16	1450.41
57.5	1319.04	1359.65	1303.36	1287.09	1361.94	1286.28	1293.47	1330.88	1260.36	1327.97
60.0	1179.66	1193.76	1213.23	1138.99	1196.98	1180.23	1144.01	1206.84	1123.32	1202.74
62.5	1117.88	1021.66	1073.24	1043.77	1023.52	1076.88	993.63	1080.67	986.13	1075.14
65.0	1018.41	959.63	898.88	956.36	858.25	946.87	851.37	940.19	843.02	933.79
67.5	853.18	870.78	788.06	769.21	762.77	759.87	737.10	780.26	696.79	774.10
70.0	798.75	688.65	719.63	607.24	661.70	573.73	636.54	623.45	561.96	617.11
72.5	662.13	641.79	539.14	563.81	475.04	487.36	530.94	472.71	434.52	466.29
75.0	509.61	488.51	497.56	400.59	395.01	393.36	351.63	319.73	309.60	314.15
77.5	405.26	388.12	324.48	356.22	278.87	224.71	226.10	216.87	198.79	211.27
80.0	282.55	238.67	263.47	195.39	225.98	181.57	163.96	166.01	109.87	159.88
82.5	169.67	174.67	146.47	102.90	102.56	122.42	81.05	66.44	51.38	69.30
85.0	90.51	82.44	57.51	47.54	27.35	26.84	27.14	21.63	20.25	37.90
87.5	0.00	0.00	0.00	6.49	6.32	3.97	4.51	4.41	8.30	17.05

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CANDELA TABULATION - (Cont.)

90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.59	0.00
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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2811.05	2810.69	2810.34	2810.00	2809.68	2809.38	2809.09	2808.81	2808.56	2808.31
5.0	2801.01	2800.47	2799.97	2799.51	2799.09	2798.71	2798.37	2798.07	2797.80	2797.57
7.5	2785.39	2784.92	2784.54	2784.26	2784.06	2783.96	2784.23	2783.93	2783.96	2784.04
10.0	2765.37	2765.10	2764.98	2765.00	2765.16	2765.45	2765.85	2766.37	2767.40	2767.63
12.5	2740.66	2740.81	2741.21	2741.83	2743.35	2743.64	2744.75	2746.03	2744.77	2743.33
15.0	2711.16	2712.06	2713.26	2714.74	2716.49	2718.46	2719.28	2715.04	2712.12	2709.75
17.5	2675.67	2677.70	2680.18	2684.13	2686.24	2684.86	2680.29	2676.46	2673.21	2670.60
20.0	2634.76	2638.06	2641.95	2646.39	2646.16	2640.68	2634.65	2630.20	2627.72	2624.09
22.5	2588.61	2593.51	2599.18	2603.60	2595.23	2588.03	2583.49	2577.11	2573.39	2582.43
25.0	2538.21	2544.71	2552.12	2547.51	2539.96	2529.81	2523.03	2519.66	2531.84	2544.86
27.5	2483.41	2491.92	2499.56	2485.90	2474.96	2465.77	2459.52	2474.42	2489.51	2504.96
30.0	2424.36	2435.23	2432.78	2418.38	2406.03	2395.68	2410.51	2427.43	2445.55	2463.99
32.5	2360.18	2374.04	2360.45	2343.73	2329.72	2336.26	2357.16	2378.64	2400.12	2388.77
35.0	2290.58	2302.22	2280.00	2262.55	2251.19	2276.07	2301.64	2327.82	2314.62	2304.65
37.5	2215.75	2217.62	2192.22	2170.29	2183.97	2212.61	2243.19	2235.03	2221.71	2212.08
40.0	2136.05	2125.86	2096.73	2080.14	2112.76	2146.75	2151.20	2134.05	2120.85	2140.47
42.5	2049.90	2027.12	1991.68	1999.90	2039.05	2066.29	2043.63	2026.27	2044.46	2080.66
45.0	1957.91	1915.35	1877.79	1916.49	1965.28	1949.77	1926.41	1936.41	1979.68	2021.78
47.5	1846.26	1797.41	1780.19	1832.66	1855.47	1824.13	1814.64	1865.16	1915.39	1914.05
50.0	1722.44	1662.52	1679.77	1743.09	1720.45	1687.12	1738.31	1796.52	1797.00	1790.56
52.5	1578.75	1510.33	1569.60	1614.63	1566.03	1583.00	1656.75	1671.35	1660.54	1675.62
55.0	1431.59	1385.42	1462.05	1450.78	1412.84	1490.51	1532.60	1511.36	1529.24	1577.48
57.5	1286.96	1277.21	1352.74	1291.30	1323.95	1396.30	1369.18	1373.67	1427.69	1449.90
60.0	1134.77	1168.17	1189.84	1145.90	1239.58	1234.22	1224.27	1278.46	1291.38	1262.55
62.5	982.32	1061.20	1017.83	1054.98	1101.44	1062.24	1128.41	1144.93	1106.76	1131.41
65.0	838.76	930.92	857.41	972.38	927.91	967.03	993.38	949.68	992.27	1052.68
67.5	725.02	750.10	769.18	790.46	797.94	842.65	786.25	846.69	895.09	860.94
70.0	624.37	570.39	674.59	625.73	702.27	636.08	694.64	720.41	684.35	705.53
72.5	517.69	489.77	491.13	555.53	497.66	555.44	551.95	525.88	573.31	599.48
75.0	346.01	401.74	395.11	369.27	424.53	402.11	408.10	453.74	437.47	416.46
77.5	226.87	235.56	262.19	296.23	257.86	300.21	304.00	281.13	307.68	328.78
80.0	169.23	176.33	186.12	154.22	193.85	163.57	191.06	215.52	205.67	193.39
82.5	89.36	101.86	89.56	85.77	97.98	111.94	103.01	97.95	97.20	93.66
85.0	44.08	42.30	40.77	44.02	40.14	41.26	37.44	29.85	21.35	11.10
87.5	15.18	14.90	14.71	6.11	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2808.09	2807.88	2807.80	2807.50	2807.28	2807.09	2806.90	2806.74	2806.59	2806.45
5.0	2797.37	2797.21	2797.43	2796.96	2796.78	2796.63	2796.51	2796.41	2796.34	2796.41
7.5	2784.18	2784.37	2784.60	2784.84	2784.98	2785.39	2784.18	2783.92	2783.17	2782.76
10.0	2768.41	2766.72	2765.59	2764.64	2763.79	2763.20	2763.20	2762.55	2762.47	2763.07
12.5	2740.81	2739.25	2738.08	2737.22	2736.59	2736.35	2736.35	2736.57	2737.13	2737.78
15.0	2707.90	2706.37	2705.37	2704.78	2704.53	2706.79	2710.66	2715.30	2718.40	2722.79
17.5	2670.11	2667.53	2669.43	2675.13	2680.67	2686.15	2691.43	2696.61	2701.68	2706.49
20.0	2626.25	2634.17	2642.06	2649.85	2657.45	2664.73	2671.81	2678.43	2677.08	2676.85
22.5	2592.59	2602.92	2613.17	2623.31	2633.97	2632.58	2631.26	2630.74	2630.71	2631.40

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CANDELA TABULATION - (Cont.)

25.0	2557.27	2570.23	2583.02	2580.12	2578.03	2576.92	2576.83	2577.78	2579.59	2585.20
27.5	2520.56	2523.45	2519.26	2516.57	2515.41	2515.71	2521.09	2532.65	2544.70	2556.01
30.0	2458.25	2452.82	2449.19	2447.46	2453.20	2469.19	2484.85	2499.92	2514.26	2527.68
32.5	2381.41	2376.54	2375.17	2394.01	2412.95	2431.67	2449.97	2465.25	2469.78	2477.06
35.0	2297.78	2306.18	2329.39	2352.57	2374.30	2389.25	2392.84	2398.46	2405.60	2414.00
37.5	2228.15	2255.25	2281.90	2307.90	2308.92	2313.14	2319.48	2327.60	2338.09	2347.15
40.0	2172.25	2203.81	2219.10	2220.57	2225.01	2232.21	2244.45	2255.80	2267.60	2279.87
42.5	2116.73	2123.33	2123.74	2127.59	2138.01	2154.44	2170.21	2185.00	2199.99	2195.11
45.0	2022.06	2020.86	2023.54	2040.82	2060.03	2079.22	2092.45	2087.71	2086.68	2086.33
47.5	1910.85	1917.03	1939.42	1961.46	1984.16	1974.02	1969.22	1967.83	1969.60	1990.03
50.0	1801.89	1830.40	1857.39	1859.02	1849.16	1843.88	1845.05	1871.52	1897.38	1922.06
52.5	1711.18	1745.30	1727.64	1716.53	1710.25	1741.47	1771.94	1800.68	1828.71	1822.89
55.0	1603.25	1582.69	1571.75	1593.40	1631.47	1667.43	1690.61	1679.04	1671.23	1666.81
57.5	1424.13	1411.56	1465.73	1514.09	1545.87	1529.80	1519.12	1513.49	1515.33	1532.69
60.0	1269.50	1323.65	1383.56	1375.11	1360.60	1349.13	1361.18	1386.81	1408.39	1427.12
62.5	1185.56	1204.79	1187.77	1175.56	1196.70	1225.16	1252.18	1280.82	1287.66	1291.10
65.0	1032.37	1009.44	1017.55	1053.18	1088.98	1108.60	1107.85	1112.93	1123.56	1134.61
67.5	842.06	881.08	917.82	934.33	935.26	933.06	934.44	943.57	959.34	969.82
70.0	744.70	762.09	756.39	755.09	763.39	774.44	783.23	792.50	804.07	803.40
72.5	583.50	572.44	593.33	614.51	628.62	636.52	625.75	616.06	609.90	602.69
75.0	437.67	459.21	481.22	474.39	463.86	452.27	440.41	425.90	420.04	416.83
77.5	330.13	320.43	310.55	299.14	295.15	290.08	279.93	268.58	260.13	250.13
80.0	185.64	183.49	178.37	170.08	159.62	149.94	139.19	127.92	119.48	109.21
82.5	87.43	79.48	69.74	57.99	45.68	32.79	18.86	4.56	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2806.33	2806.23	2806.14	2806.07	2806.10	2805.96	2805.87	2805.80	2805.75	2805.71
5.0	2796.18	2796.05	2795.94	2795.86	2795.80	2795.71	2795.57	2795.46	2795.37	2795.38
7.5	2782.49	2782.45	2782.16	2782.07	2782.10	2782.13	2782.14	2782.25	2782.41	2782.49
10.0	2762.82	2763.18	2763.75	2764.20	2764.86	2765.55	2766.23	2767.09	2767.73	2768.52
12.5	2740.35	2742.93	2745.49	2747.85	2750.04	2752.02	2753.78	2755.33	2756.70	2757.83
15.0	2725.79	2729.40	2732.63	2735.80	2738.64	2741.21	2743.92	2745.35	2746.95	2748.18
17.5	2711.20	2715.66	2716.91	2717.31	2717.69	2718.31	2719.16	2720.03	2720.89	2721.82
20.0	2676.60	2677.04	2677.96	2680.01	2680.81	2682.62	2684.69	2686.99	2689.81	2691.55
22.5	2632.67	2634.42	2636.93	2640.39	2645.87	2650.97	2655.76	2660.23	2664.28	2667.78
25.0	2594.30	2601.88	2609.21	2616.02	2622.33	2628.14	2633.46	2638.34	2642.63	2646.17
27.5	2566.42	2575.90	2584.50	2592.37	2597.57	2601.16	2605.62	2608.82	2612.63	2616.26
30.0	2536.28	2540.60	2545.32	2550.37	2555.73	2561.56	2566.80	2572.36	2577.81	2583.13
32.5	2481.97	2488.98	2496.47	2504.09	2511.90	2515.49	2518.79	2521.98	2524.99	2527.69
35.0	2423.57	2431.37	2437.88	2443.66	2449.01	2452.85	2456.64	2460.13	2463.07	2465.87
37.5	2356.59	2367.08	2373.35	2380.09	2385.99	2387.75	2388.75	2389.90	2392.37	2394.08
40.0	2290.13	2296.28	2296.31	2297.47	2299.54	2302.32	2305.78	2309.67	2313.72	2318.24
42.5	2194.69	2196.04	2198.96	2203.31	2208.74	2217.47	2228.03	2237.37	2246.12	2252.43
45.0	2088.95	2095.42	2111.87	2128.59	2142.01	2154.97	2166.41	2175.97	2184.18	2191.22
47.5	2011.00	2029.50	2047.26	2064.09	2079.71	2086.66	2085.80	2085.60	2085.99	2086.94
50.0	1945.92	1960.31	1955.98	1953.99	1953.78	1955.33	1956.52	1959.22	1962.36	1965.63
52.5	1819.09	1814.67	1813.91	1814.97	1817.50	1824.52	1834.12	1842.69	1850.11	1856.10
55.0	1665.92	1671.51	1685.87	1698.84	1710.27	1720.64	1730.29	1738.86	1745.84	1751.32
57.5	1549.71	1566.36	1581.88	1595.66	1607.45	1613.02	1618.19	1623.92	1629.47	1634.51
60.0	1445.02	1452.32	1458.36	1465.57	1473.26	1480.82	1488.30	1497.77	1505.24	1513.14

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CANDELA TABULATION - (Cont.)

62.5	1296.49	1303.80	1313.03	1324.59	1334.77	1336.08	1335.79	1335.90	1336.49	1337.28
65.0	1141.78	1145.26	1148.22	1151.25	1152.59	1151.79	1150.20	1147.51	1145.76	1143.81
67.5	972.75	973.16	973.99	974.57	968.57	961.70	955.08	949.46	944.73	940.95
70.0	793.62	783.92	775.64	768.96	763.05	757.31	750.35	744.44	739.64	735.42
72.5	592.91	582.33	571.75	567.12	563.87	558.94	553.86	547.51	541.80	537.75
75.0	410.04	401.04	391.83	385.50	379.38	371.38	363.68	355.20	347.40	342.15
77.5	238.74	228.59	220.42	215.51	208.87	201.87	194.86	187.65	180.91	176.04
80.0	98.18	86.97	75.85	66.16	56.11	46.40	37.28	28.82	21.32	14.97
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2816.64	2816.64	2816.64	2816.64	2816.64
2.5	2805.70	2805.71	2805.73	2805.78	2805.85
5.0	2795.23	2795.13	2795.06	2795.04	2795.05
7.5	2782.65	2782.88	2782.98	2783.15	2783.40
10.0	2769.21	2769.89	2770.58	2771.12	2771.75
12.5	2758.83	2759.54	2760.32	2760.50	2760.83
15.0	2749.08	2749.81	2750.07	2750.08	2749.91
17.5	2722.79	2723.52	2724.20	2724.80	2725.28
20.0	2693.71	2695.74	2697.59	2699.23	2700.65
22.5	2670.70	2673.07	2674.87	2676.18	2677.05
25.0	2648.98	2651.09	2652.50	2653.33	2653.45
27.5	2619.64	2622.61	2625.10	2627.06	2628.40
30.0	2588.41	2593.10	2597.17	2600.64	2603.34
32.5	2530.34	2532.93	2534.75	2536.46	2538.03
35.0	2468.18	2469.94	2471.28	2472.07	2472.72
37.5	2397.09	2399.06	2401.59	2403.40	2405.31
40.0	2322.56	2326.95	2330.96	2334.54	2337.89
42.5	2258.41	2263.68	2267.21	2270.29	2272.80
45.0	2197.16	2201.00	2204.01	2206.22	2207.70
47.5	2088.28	2089.98	2091.90	2093.96	2096.21
50.0	1969.30	1973.24	1977.34	1981.08	1984.71
52.5	1861.43	1866.20	1870.13	1873.11	1875.70
55.0	1756.16	1760.38	1763.73	1765.35	1766.69
57.5	1639.34	1644.27	1648.86	1652.50	1655.24
60.0	1520.03	1526.91	1533.78	1539.61	1543.80
62.5	1336.69	1337.58	1339.39	1341.24	1343.37
65.0	1142.55	1141.84	1142.11	1142.15	1142.93
67.5	938.38	937.46	937.88	938.91	940.49
70.0	733.12	732.54	733.37	735.61	738.04
72.5	535.11	534.01	534.47	535.71	537.24
75.0	338.14	336.23	335.82	335.87	336.43
77.5	172.35	170.00	168.76	168.15	168.22
80.0	9.69	5.51	2.48	0.62	0.00
82.5	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1034.99	12.00	12.00
0-30	2223.42	25.80	25.80
0-40	3705.83	43.00	43.00
0-60	6852.17	79.50	79.50
0-80	8578.12	99.50	99.50
0-90	8624.32	100.00	100.00
10-90	8358.37	96.90	96.90
20-40	2670.84	31.00	31.00
20-50	4287.99	49.70	49.70
40-70	4319.95	50.10	50.10
60-80	1725.95	20.00	20.00
70-80	552.34	6.40	6.40
80-90	46.20	0.50	0.50
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	8624.32	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.95
10-20	769.04
20-30	1188.42
30-40	1482.41
40-50	1617.15
50-60	1529.19
60-70	1173.61
70-80	552.34
80-90	46.20
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

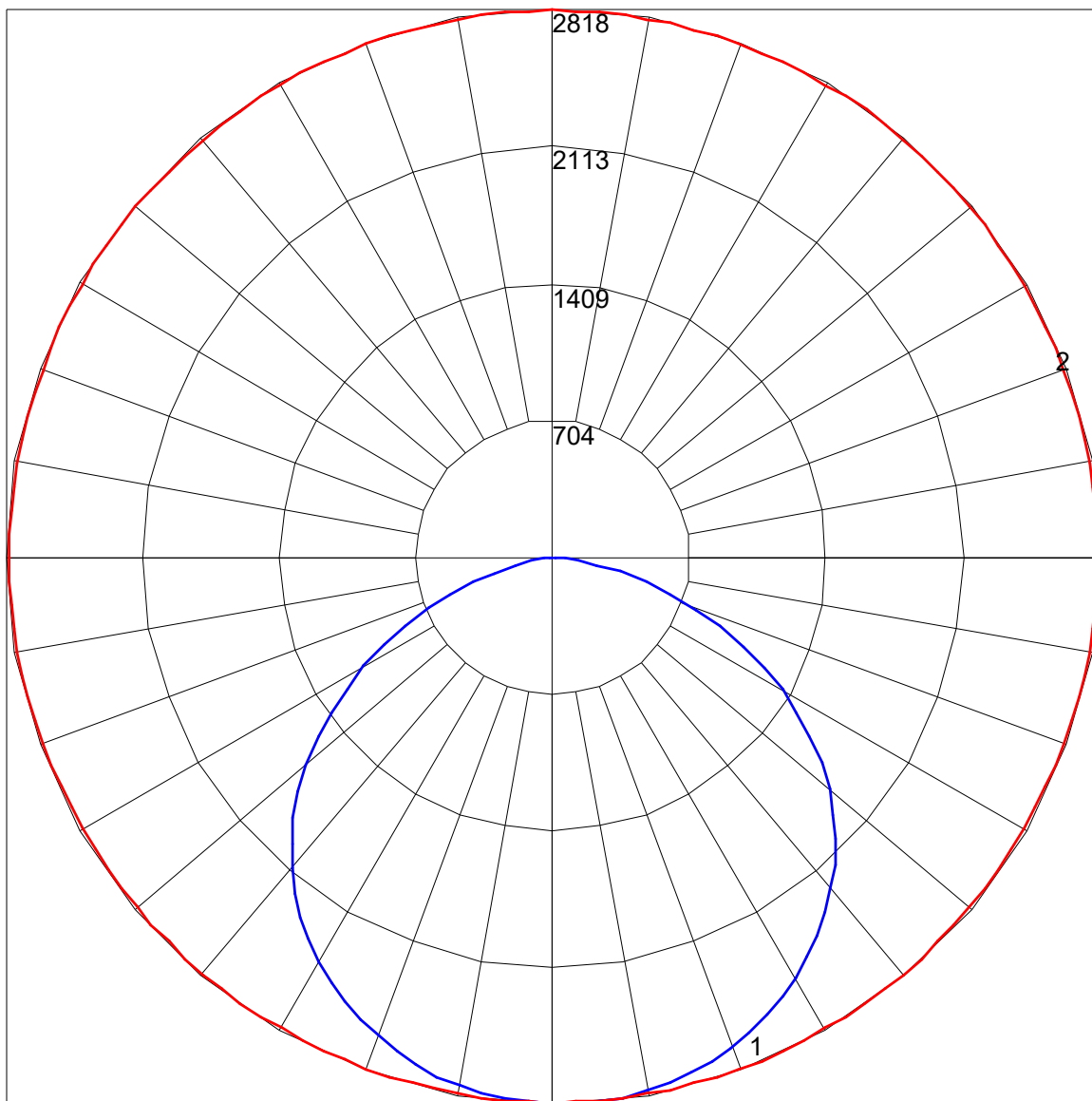
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	97	106	102	98	95	98	95	92	94	92	89	90	88	87	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	31	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	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 2817.51 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)