



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-B2-40W-4000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] HZX-EX-B2-40W-4000K-D120
 [TESTLAB] EVERFINE
 [TESTDATE] 2018-06-12
 [ISSUEDATE] 2018-10-20 08:33:22
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-3000H_V1 SYSTEM
 [MANUFAC] BELUCE CANADA INC.
 [LUMINAIRE] HZX-EX-B2-40W-4000K-D120
 [LUMCAT] HZX-EX-B2-40W-4000K-D120
 [LAMP] 7624 LUMENS
 [_SEARCH_SOURCETYPE] LED

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

CHARACTERISTICS

Lumens Per Lamp	7623.8 (1 lamp)
Total Lamp Lumens	7623.8
Luminaire Lumens	7624
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	60.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2831.09	2831.02	2831.00	2831.03	2831.09	2831.20	2831.35	2831.54	2831.77	2832.02
5.0	2809.56	2809.32	2809.17	2809.10	2809.12	2809.18	2809.24	2809.39	2809.63	2809.81
7.5	2788.84	2788.67	2788.62	2788.67	2788.67	2788.74	2788.82	2789.00	2789.15	2789.39
10.0	2768.11	2768.15	2768.34	2768.49	2768.69	2768.90	2769.04	2769.29	2769.39	2769.60
12.5	2746.59	2746.22	2746.00	2745.68	2745.48	2745.24	2745.13	2745.07	2745.15	2745.35
15.0	2725.07	2724.11	2723.17	2722.06	2721.13	2720.16	2719.23	2718.36	2717.71	2717.08
17.5	2672.88	2672.54	2672.44	2672.56	2672.87	2673.26	2673.87	2674.71	2675.22	2676.73
20.0	2620.69	2620.97	2621.42	2621.98	2622.66	2623.48	2624.41	2624.96	2626.39	2627.53
22.5	2567.56	2567.10	2566.80	2566.91	2567.12	2567.62	2568.48	2569.76	2571.55	2573.86
25.0	2514.42	2513.09	2511.97	2510.97	2510.10	2509.51	2509.25	2509.45	2510.19	2511.45
27.5	2462.38	2461.64	2460.88	2460.05	2459.09	2457.90	2456.52	2454.90	2453.36	2451.55
30.0	2410.34	2410.33	2410.19	2410.03	2409.60	2408.67	2407.35	2405.79	2404.12	2402.15
32.5	2292.93	2292.71	2293.68	2295.85	2298.99	2303.46	2309.42	2316.94	2326.31	2337.49
35.0	2175.52	2174.35	2174.32	2174.97	2176.66	2179.77	2184.36	2190.04	2198.47	2208.14
37.5	2058.89	2058.81	2059.54	2060.56	2062.08	2064.07	2066.93	2070.36	2074.69	2078.88
40.0	1942.26	1943.42	1945.13	1947.24	1949.30	1951.70	1954.66	1958.27	1962.31	1966.56
42.5	1825.32	1825.31	1825.71	1826.52	1827.72	1829.88	1833.39	1838.21	1844.82	1853.11
45.0	1708.38	1707.07	1705.77	1704.39	1703.74	1703.90	1705.09	1708.19	1712.81	1718.44
47.5	1570.14	1570.47	1571.06	1571.40	1572.03	1573.17	1574.61	1577.02	1579.90	1582.95
50.0	1431.89	1433.77	1435.96	1437.62	1439.21	1441.32	1443.13	1445.57	1449.67	1453.70
52.5	1294.06	1294.85	1295.31	1295.94	1297.19	1299.33	1301.91	1307.16	1314.59	1322.12
55.0	1156.22	1155.78	1154.28	1153.62	1153.64	1152.78	1154.55	1160.06	1164.44	1169.27
57.5	1017.73	1018.52	1018.66	1018.21	1018.17	1016.81	1016.56	1019.63	1019.99	1019.94
60.0	879.25	881.40	883.44	883.71	884.96	884.98	883.15	887.24	890.21	889.29
62.5	753.22	753.88	754.02	754.01	754.43	753.40	752.86	756.80	759.32	758.60
65.0	627.18	626.38	624.80	624.80	624.11	622.08	623.99	626.50	626.64	628.11
67.5	500.86	500.58	499.82	499.95	500.48	499.62	501.21	502.43	501.97	502.67
70.0	374.54	374.83	375.06	375.88	378.38	379.66	380.88	383.96	386.07	388.10
72.5	247.91	247.20	247.40	249.26	252.16	253.85	256.28	261.21	265.45	269.96
75.0	121.28	119.55	119.70	122.50	125.44	127.37	130.30	136.09	140.98	146.55
77.5	60.64	59.69	59.52	60.55	61.42	61.42	61.72	63.35	63.90	64.44
80.0	0.00	0.22	0.87	1.96	3.45	5.22	7.27	9.72	12.20	14.82
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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2832.34	2832.65	2833.00	2833.40	2833.83	2834.31	2834.83	2835.39	2835.98	2836.62
5.0	2810.34	2810.74	2811.24	2811.85	2812.55	2813.33	2814.11	2814.99	2815.98	2817.06
7.5	2789.62	2789.83	2790.14	2790.53	2790.81	2791.18	2791.64	2792.14	2792.58	2793.68
10.0	2769.77	2769.91	2770.11	2770.27	2770.45	2770.69	2770.82	2771.05	2771.35	2771.55
12.5	2745.69	2746.18	2746.86	2747.70	2748.81	2749.94	2749.84	2749.54	2749.34	2749.12
15.0	2716.65	2716.41	2716.30	2716.53	2716.93	2717.75	2718.74	2720.19	2721.86	2724.09
17.5	2677.97	2679.28	2680.92	2682.04	2681.16	2681.55	2681.88	2682.57	2683.79	2685.55
20.0	2628.77	2630.16	2631.63	2633.15	2634.79	2636.59	2638.43	2640.93	2641.21	2642.32
22.5	2576.74	2580.29	2582.74	2584.01	2585.26	2586.56	2588.00	2589.45	2591.39	2593.61
25.0	2513.32	2515.86	2519.09	2523.04	2527.83	2532.60	2537.03	2537.55	2538.34	2539.62
27.5	2449.52	2448.72	2450.17	2452.11	2454.72	2458.33	2463.33	2470.14	2479.22	2479.96
30.0	2399.63	2396.47	2392.15	2386.18	2378.39	2374.44	2376.01	2379.78	2386.35	2396.10

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CANDELA TABULATION - (Cont.)

32.5	2350.66	2346.83	2341.21	2333.23	2321.85	2309.81	2295.24	2280.20	2281.00	2289.10
35.0	2219.32	2231.33	2244.43	2257.42	2265.65	2248.37	2229.63	2210.86	2191.61	2179.02
37.5	2082.73	2092.16	2101.10	2110.61	2120.56	2131.41	2142.91	2136.85	2116.49	2099.64
40.0	1969.58	1970.34	1968.36	1963.54	1965.96	1974.87	1985.20	1997.76	2012.69	2016.10
42.5	1859.00	1860.40	1859.02	1854.70	1848.31	1840.27	1833.67	1843.96	1859.94	1878.67
45.0	1725.27	1732.85	1740.58	1748.47	1744.32	1738.21	1730.28	1723.13	1716.23	1729.53
47.5	1587.37	1591.95	1601.20	1608.77	1616.49	1624.93	1633.34	1626.36	1618.89	1609.37
50.0	1456.64	1460.72	1466.04	1470.08	1477.73	1486.89	1497.06	1509.28	1523.63	1517.35
52.5	1327.90	1332.28	1337.32	1341.65	1347.34	1353.03	1360.37	1371.80	1384.61	1399.12
55.0	1176.78	1186.03	1197.73	1210.91	1220.36	1223.91	1232.04	1238.85	1245.05	1250.14
57.5	1022.70	1028.43	1039.15	1050.67	1063.82	1081.23	1101.23	1109.93	1112.82	1105.21
60.0	891.21	892.52	895.52	897.44	901.70	915.38	929.58	948.22	970.42	978.11
62.5	761.99	762.84	766.14	768.98	770.08	770.66	767.91	769.37	784.45	802.16
65.0	630.26	632.99	636.55	639.64	641.41	642.72	637.32	633.53	629.36	625.63
67.5	501.96	504.49	506.39	509.51	512.16	511.08	508.14	506.18	504.20	505.02
70.0	389.88	393.15	393.93	394.28	391.89	385.42	382.99	384.37	387.14	390.50
72.5	275.15	281.79	287.55	289.83	292.30	290.37	287.96	285.13	282.46	277.12
75.0	154.17	161.09	167.95	176.16	184.33	190.30	196.28	201.75	202.01	200.51
77.5	66.60	66.07	66.54	67.88	71.79	82.92	92.52	101.01	109.49	117.57
80.0	17.88	20.15	22.89	25.69	28.31	30.84	32.67	33.13	33.75	34.47
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	4.52	7.51
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. Horizontal Angles
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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2837.20	2837.97	2838.70	2839.44	2840.21	2841.00	2841.83	2842.69	2843.57	2844.48
5.0	2818.25	2819.43	2820.83	2822.20	2823.67	2825.22	2826.87	2828.59	2830.39	2832.26
7.5	2794.30	2795.69	2797.69	2799.56	2801.62	2803.86	2806.27	2808.48	2811.55	2814.34
10.0	2771.87	2771.79	2772.71	2773.18	2774.01	2776.43	2779.53	2782.81	2786.37	2790.18
12.5	2748.89	2748.81	2748.71	2748.68	2748.82	2749.07	2749.34	2750.90	2755.35	2759.38
15.0	2724.93	2724.11	2723.24	2722.41	2721.32	2721.15	2720.71	2720.52	2720.54	2724.25
17.5	2687.79	2690.61	2693.96	2694.37	2692.69	2691.05	2689.68	2688.48	2687.47	2686.81
20.0	2644.16	2646.67	2649.92	2653.91	2658.63	2659.07	2656.41	2653.85	2651.64	2649.80
22.5	2596.27	2598.33	2601.23	2605.00	2609.65	2615.41	2621.24	2617.03	2613.17	2609.55
25.0	2541.38	2543.68	2546.91	2550.22	2554.68	2560.52	2567.42	2575.55	2571.58	2566.13
27.5	2481.50	2482.48	2484.82	2487.14	2493.45	2499.13	2506.37	2515.21	2527.29	2519.26
30.0	2409.31	2414.86	2416.03	2417.93	2424.14	2431.10	2437.28	2447.69	2458.92	2469.06
32.5	2301.59	2318.39	2342.24	2342.02	2347.98	2355.33	2366.43	2374.17	2385.32	2399.85
35.0	2184.11	2201.25	2223.29	2248.09	2266.80	2272.67	2277.39	2279.67	2289.39	2307.02
37.5	2086.87	2079.00	2097.55	2127.21	2159.76	2183.49	2176.46	2164.46	2155.19	2178.14
40.0	2002.05	1991.18	1980.95	1988.94	2019.04	2052.72	2072.41	2050.82	2030.42	2034.37
42.5	1900.62	1901.22	1886.96	1871.06	1864.85	1896.56	1930.37	1944.73	1923.15	1904.47
45.0	1751.06	1775.63	1798.89	1780.18	1759.83	1745.19	1778.90	1816.46	1822.56	1800.17
47.5	1603.99	1625.46	1652.13	1684.50	1674.36	1649.33	1628.22	1666.18	1711.30	1700.20
50.0	1505.53	1493.64	1493.07	1524.26	1564.09	1565.28	1534.35	1519.95	1563.26	1600.75
52.5	1415.62	1397.14	1374.62	1355.73	1395.37	1443.61	1450.63	1416.00	1411.43	1461.79
55.0	1256.72	1270.12	1272.21	1251.18	1234.95	1267.38	1321.58	1330.31	1282.23	1294.22
57.5	1088.28	1094.03	1114.24	1142.68	1125.52	1112.36	1137.97	1200.84	1183.62	1119.15
60.0	961.73	946.56	937.11	960.91	999.03	1003.92	972.66	987.79	1050.23	1013.99
62.5	820.76	829.39	816.25	804.44	817.85	857.94	869.11	827.98	842.42	915.60
65.0	640.16	661.83	685.06	694.60	681.67	675.40	710.49	733.43	683.83	713.32
67.5	505.01	501.60	512.64	540.08	570.52	563.20	532.25	557.38	593.54	547.52

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CANDELA TABULATION - (Cont.)

70.0	391.88	390.37	387.76	384.04	398.54	430.39	441.72	407.70	421.43	465.61
72.5	279.89	282.86	282.64	280.55	277.32	272.22	294.58	325.06	304.68	301.31
75.0	197.45	191.31	182.55	185.02	186.02	184.27	186.46	181.24	212.35	212.57
77.5	124.57	130.07	126.26	120.46	113.88	112.26	116.51	117.59	108.71	119.15
80.0	40.72	51.28	59.76	66.54	71.53	72.45	68.02	56.55	59.05	61.26
82.5	10.22	12.47	14.21	16.67	19.70	28.07	35.19	37.73	35.98	31.32
85.0	0.00	0.00	0.00	0.00	0.00	2.90	6.38	10.17	14.36	17.82
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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2845.40	2846.35	2847.31	2848.28	2849.27	2850.27	2851.28	2850.99	2850.71	2850.43
5.0	2834.19	2836.18	2838.03	2840.22	2842.41	2844.62	2846.83	2846.07	2845.31	2844.56
7.5	2817.28	2820.36	2823.56	2826.88	2830.31	2833.83	2837.44	2836.03	2834.69	2833.45
10.0	2794.24	2798.53	2803.03	2807.13	2812.36	2817.60	2822.85	2820.56	2818.27	2815.99
12.5	2765.38	2770.86	2776.69	2782.84	2789.29	2796.00	2802.97	2799.75	2796.77	2794.05
15.0	2730.59	2737.44	2744.78	2752.56	2760.13	2769.20	2778.29	2773.71	2769.13	2766.06
17.5	2690.06	2698.29	2707.11	2716.57	2726.61	2737.20	2748.28	2742.41	2737.04	2732.19
20.0	2648.19	2653.14	2663.59	2674.85	2685.67	2699.32	2713.01	2705.31	2697.62	2692.75
22.5	2606.49	2602.94	2614.44	2627.58	2641.73	2656.83	2672.78	2663.57	2655.20	2647.74
25.0	2561.18	2556.68	2558.80	2574.23	2590.95	2608.38	2627.86	2615.93	2606.03	2596.80
27.5	2511.71	2504.97	2499.12	2514.00	2533.34	2554.15	2576.30	2562.55	2550.14	2539.12
30.0	2459.22	2450.30	2442.41	2448.80	2470.68	2493.55	2519.51	2502.97	2489.45	2476.84
32.5	2404.10	2391.03	2377.15	2372.39	2398.66	2427.83	2459.33	2440.19	2423.06	2408.17
35.0	2331.12	2318.87	2298.89	2281.22	2310.35	2348.96	2393.17	2366.29	2344.56	2330.91
37.5	2209.06	2224.70	2197.96	2173.50	2195.64	2250.14	2309.29	2268.33	2232.26	2229.33
40.0	2068.76	2107.23	2083.51	2051.33	2056.82	2117.11	2187.29	2133.56	2090.08	2105.18
42.5	1928.27	1965.65	1971.31	1935.17	1920.51	1981.46	2047.15	1997.33	1952.39	1986.11
45.0	1791.93	1829.01	1865.72	1827.04	1793.01	1851.93	1921.30	1867.59	1824.05	1877.07
47.5	1676.01	1695.72	1739.73	1720.60	1682.24	1731.15	1802.06	1747.28	1714.72	1770.81
50.0	1573.86	1559.86	1605.45	1617.70	1570.58	1602.57	1682.95	1619.32	1604.61	1669.82
52.5	1473.83	1439.67	1468.91	1513.15	1458.77	1477.19	1560.39	1494.40	1494.06	1567.58
55.0	1360.93	1332.40	1328.02	1388.23	1346.58	1341.72	1435.85	1359.62	1383.09	1443.73
57.5	1181.24	1218.83	1168.24	1235.43	1225.68	1195.77	1310.92	1219.29	1267.65	1298.02
60.0	987.98	1080.65	1030.17	1052.53	1084.85	1020.08	1163.19	1040.19	1134.38	1121.72
62.5	845.56	877.66	910.65	873.97	952.08	862.18	998.32	880.88	995.82	934.30
65.0	758.10	687.03	786.70	720.96	805.88	719.03	846.03	738.96	846.38	778.63
67.5	597.19	589.97	590.87	607.05	629.30	584.34	700.95	605.09	672.28	671.61
70.0	405.70	479.66	413.16	506.44	453.16	456.61	547.12	475.30	489.09	568.94
72.5	340.16	290.56	340.79	329.57	304.93	346.46	401.61	362.15	331.64	379.14
75.0	189.73	223.71	206.52	192.72	228.76	252.39	272.93	266.47	255.89	229.81
77.5	136.66	104.05	125.85	150.24	143.06	149.77	172.37	162.62	166.42	186.11
80.0	54.53	71.01	54.85	60.59	60.42	63.32	98.26	69.73	74.55	83.07
82.5	30.13	30.21	33.41	24.97	29.41	36.19	47.65	40.31	35.11	32.59
85.0	18.98	17.08	16.69	15.45	11.07	11.26	19.64	12.94	13.27	17.42
87.5	0.00	2.56	5.77	8.70	7.56	6.43	6.79	4.76	6.73	9.46
90.0	0.00	0.00	0.00	0.00	0.00	0.00	6.31	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2850.17	2849.91	2849.67	2849.43	2849.21	2848.99	2848.79	2848.61	2848.44	2848.28

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CANDELA TABULATION - (Cont.)

5.0	2843.80	2843.38	2842.79	2842.25	2841.75	2841.30	2840.90	2840.56	2840.27	2840.04
7.5	2832.29	2831.23	2830.28	2829.43	2828.71	2827.67	2827.45	2826.99	2826.65	2826.44
10.0	2814.80	2813.19	2811.77	2810.54	2809.51	2808.69	2808.09	2807.60	2807.50	2809.33
12.5	2791.59	2789.43	2787.57	2785.16	2784.63	2783.62	2785.41	2788.38	2791.30	2794.23
15.0	2762.73	2759.82	2757.36	2755.36	2755.94	2760.10	2764.36	2768.76	2772.79	2777.59
17.5	2727.90	2724.21	2721.07	2722.94	2728.71	2734.75	2740.85	2747.00	2753.29	2759.41
20.0	2687.38	2682.78	2683.64	2691.05	2698.66	2706.57	2714.77	2722.98	2727.89	2728.21
22.5	2641.26	2636.38	2646.58	2656.17	2666.19	2676.33	2687.00	2686.88	2686.95	2687.92
25.0	2588.81	2594.10	2605.95	2618.19	2630.87	2641.95	2640.47	2640.10	2640.71	2642.61
27.5	2532.52	2546.58	2561.41	2576.94	2591.19	2588.29	2586.88	2586.89	2588.18	2591.56
30.0	2479.53	2496.36	2514.16	2532.75	2531.13	2528.26	2525.97	2526.87	2535.59	2543.23
32.5	2421.44	2443.47	2465.02	2470.59	2465.76	2463.23	2463.05	2472.10	2482.68	2493.05
35.0	2357.72	2385.25	2406.05	2397.42	2392.04	2390.13	2399.53	2411.09	2424.50	2424.56
37.5	2272.37	2314.76	2315.76	2302.89	2298.74	2310.78	2324.83	2339.94	2332.01	2318.04
40.0	2160.89	2207.23	2183.57	2166.94	2181.78	2213.70	2240.16	2226.56	2204.95	2190.70
42.5	2043.00	2055.05	2032.43	2024.90	2066.57	2110.47	2107.84	2081.88	2061.50	2086.70
45.0	1934.95	1912.80	1890.31	1917.44	1960.65	1972.34	1946.21	1922.53	1957.28	1999.80
47.5	1807.24	1777.89	1774.15	1817.43	1847.07	1813.80	1787.97	1828.18	1873.51	1903.71
50.0	1674.19	1644.55	1675.16	1719.65	1695.90	1665.29	1698.26	1749.94	1767.88	1744.03
52.5	1539.48	1526.75	1579.18	1582.70	1545.29	1566.41	1620.97	1635.29	1607.23	1584.94
55.0	1398.64	1425.39	1474.85	1428.11	1426.72	1488.49	1498.25	1466.89	1458.79	1498.45
57.5	1254.96	1324.35	1309.05	1272.08	1346.32	1369.57	1321.82	1320.16	1368.90	1412.97
60.0	1122.25	1191.50	1115.67	1176.49	1238.79	1179.54	1175.70	1226.63	1254.24	1240.93
62.5	998.77	985.35	971.38	1077.65	1017.31	1017.78	1079.50	1079.52	1059.64	1077.02
65.0	871.81	785.72	886.71	860.73	851.35	926.14	916.24	886.32	920.69	970.73
67.5	671.68	696.47	719.97	686.60	771.66	752.20	737.51	777.74	808.99	793.60
70.0	483.83	588.06	515.44	608.61	578.54	593.36	644.23	636.82	614.48	620.04
72.5	413.03	369.09	449.99	418.49	441.63	497.74	469.55	461.88	493.23	523.80
75.0	264.71	301.78	273.18	317.77	327.61	295.32	339.29	374.30	377.04	376.14
77.5	174.45	162.77	213.54	196.03	200.93	228.17	235.15	236.27	250.66	270.86
80.0	84.52	119.28	99.53	128.66	127.89	123.61	143.90	167.51	178.04	176.85
82.5	49.03	53.38	57.77	60.53	74.95	80.36	78.97	77.24	72.24	69.44
85.0	20.29	24.81	30.45	26.30	20.76	18.58	14.55	8.40	0.00	0.00
87.5	7.85	3.74	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2848.14	2847.99	2847.78	2847.73	2847.61	2847.50	2847.42	2847.34	2847.28	2847.24
5.0	2839.86	2839.63	2839.56	2839.45	2839.40	2839.39	2839.45	2839.55	2839.61	2839.68
7.5	2826.36	2826.10	2826.40	2826.83	2827.84	2828.88	2829.77	2830.63	2831.50	2832.38
10.0	2811.23	2812.61	2814.90	2816.72	2818.56	2820.22	2821.85	2823.48	2824.88	2826.22
12.5	2797.24	2800.20	2803.04	2805.90	2808.64	2811.24	2813.83	2816.15	2817.12	2817.96
15.0	2781.99	2786.32	2790.47	2792.86	2793.72	2794.97	2796.27	2797.89	2799.52	2801.39
17.5	2763.25	2764.00	2765.14	2766.71	2768.56	2770.76	2773.28	2775.93	2778.35	2781.84
20.0	2729.14	2730.69	2732.86	2735.54	2738.80	2742.22	2744.03	2745.83	2747.41	2748.92
22.5	2689.63	2692.08	2694.59	2698.46	2701.74	2704.85	2708.01	2710.77	2713.33	2715.67
25.0	2645.16	2649.75	2654.23	2658.69	2663.19	2667.71	2672.08	2672.25	2671.65	2670.73
27.5	2599.72	2606.32	2612.75	2617.52	2622.35	2619.34	2617.41	2616.40	2616.24	2616.91
30.0	2553.26	2562.24	2565.81	2561.39	2558.43	2556.74	2556.17	2556.52	2560.95	2569.41
32.5	2504.38	2497.37	2492.80	2490.03	2489.02	2491.68	2503.77	2514.75	2524.21	2534.45
35.0	2417.60	2413.14	2411.94	2417.76	2433.31	2450.47	2464.95	2477.91	2489.48	2481.36
37.5	2308.38	2311.88	2342.90	2369.27	2390.98	2409.98	2410.50	2394.20	2380.81	2370.23
40.0	2205.42	2245.55	2285.06	2320.31	2319.46	2300.04	2284.03	2270.98	2260.82	2257.27

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CANDELA TABULATION - (Cont.)

42.5	2127.21	2172.55	2197.59	2183.99	2170.93	2159.75	2151.33	2158.01	2163.64	2169.31
45.0	2043.56	2035.92	2024.43	2014.94	2015.70	2038.61	2055.04	2065.17	2071.80	2078.47
47.5	1884.41	1868.97	1857.92	1885.24	1917.27	1942.75	1961.46	1956.67	1951.76	1949.73
50.0	1724.96	1736.77	1764.83	1797.40	1824.37	1821.94	1818.73	1815.89	1815.23	1818.93
52.5	1618.56	1651.01	1682.21	1679.38	1676.70	1674.55	1670.89	1685.38	1699.26	1713.26
55.0	1535.54	1544.11	1537.99	1534.49	1535.76	1547.97	1561.15	1574.30	1592.52	1603.05
57.5	1401.62	1394.87	1394.48	1408.49	1421.88	1435.98	1445.80	1443.19	1443.22	1449.11
60.0	1244.40	1262.64	1279.28	1295.05	1293.45	1284.98	1280.67	1280.91	1285.14	1306.45
62.5	1123.36	1150.12	1145.03	1131.04	1120.85	1115.62	1130.07	1151.07	1174.60	1201.24
65.0	990.24	977.64	963.85	961.51	979.93	999.05	1019.59	1042.24	1059.04	1069.35
67.5	786.36	806.04	831.93	849.59	868.52	876.01	877.98	882.58	887.57	894.69
70.0	660.95	701.38	714.79	713.06	709.98	709.79	712.05	720.44	734.56	748.03
72.5	539.15	548.37	550.24	548.05	561.90	574.41	587.72	600.36	610.20	622.05
75.0	374.22	401.02	426.82	440.00	449.35	461.65	464.13	467.55	469.61	471.38
77.5	290.44	312.63	315.98	314.04	312.24	310.93	314.95	316.63	319.64	313.56
80.0	175.81	176.25	175.59	172.51	167.50	159.04	153.03	143.64	132.79	118.98
82.5	64.76	58.98	50.07	37.49	22.49	5.65	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2847.21	2847.20	2847.20	2847.16	2847.17	2847.16	2847.17	2847.19	2847.22	2847.26
5.0	2839.80	2839.97	2840.17	2840.21	2840.52	2840.71	2840.94	2841.19	2841.23	2841.49
7.5	2833.06	2833.73	2834.40	2834.99	2835.47	2835.97	2836.35	2836.76	2837.11	2837.43
10.0	2827.48	2828.57	2829.58	2830.46	2831.18	2831.89	2832.38	2832.86	2833.21	2833.36
12.5	2818.92	2819.88	2820.88	2821.88	2822.86	2823.81	2824.73	2825.56	2826.35	2827.01
15.0	2803.25	2805.28	2807.28	2809.33	2811.42	2813.35	2815.28	2817.01	2818.57	2819.91
17.5	2783.28	2784.04	2784.88	2785.66	2786.00	2787.15	2787.72	2788.27	2788.77	2789.11
20.0	2750.35	2751.66	2752.82	2753.92	2754.93	2755.42	2756.43	2756.81	2757.07	2757.26
22.5	2717.77	2718.43	2717.76	2717.55	2717.70	2718.12	2718.72	2719.43	2720.20	2720.99
25.0	2670.41	2670.63	2671.33	2672.43	2673.87	2675.60	2677.59	2679.72	2681.85	2683.86
27.5	2618.27	2620.20	2624.44	2629.82	2634.71	2639.02	2643.10	2646.60	2649.53	2651.93
30.0	2577.49	2584.94	2591.71	2597.83	2603.19	2608.00	2612.28	2615.91	2618.68	2620.82
32.5	2543.58	2552.03	2559.63	2553.30	2548.52	2545.23	2543.26	2542.24	2541.97	2542.36
35.0	2471.78	2464.00	2458.40	2454.54	2452.45	2451.17	2452.20	2453.72	2455.95	2458.60
37.5	2362.18	2356.65	2352.45	2355.94	2360.71	2365.46	2370.32	2374.91	2379.39	2383.11
40.0	2260.99	2265.16	2270.22	2276.06	2282.27	2288.46	2294.35	2300.03	2304.85	2308.80
42.5	2175.00	2181.11	2188.03	2192.46	2195.63	2199.96	2205.33	2211.22	2217.41	2223.34
45.0	2075.48	2075.09	2077.32	2081.98	2088.63	2096.87	2106.33	2116.23	2126.28	2135.77
47.5	1950.61	1952.44	1960.51	1969.38	1979.48	1989.10	1998.45	2006.88	2014.29	2020.35
50.0	1830.59	1841.45	1851.91	1861.47	1870.47	1878.83	1886.25	1893.24	1899.01	1902.67
52.5	1725.61	1736.19	1746.26	1751.74	1754.53	1757.99	1761.62	1765.61	1769.58	1773.75
55.0	1605.47	1608.18	1611.11	1614.96	1619.47	1623.75	1628.38	1632.66	1638.03	1643.93
57.5	1456.82	1465.38	1472.79	1482.54	1492.93	1500.90	1507.40	1512.89	1518.76	1523.07
60.0	1330.76	1351.49	1365.01	1375.63	1384.26	1390.53	1394.40	1398.05	1402.71	1403.90
62.5	1227.32	1248.93	1257.05	1255.78	1254.63	1252.34	1250.13	1248.70	1249.74	1250.17
65.0	1077.64	1086.43	1089.20	1088.96	1090.06	1089.70	1088.35	1088.59	1089.98	1092.83
67.5	904.00	910.46	924.67	930.03	934.19	935.98	936.25	938.04	939.94	942.07
70.0	762.53	774.90	783.03	787.06	790.39	788.79	788.66	790.20	791.60	792.62
72.5	631.61	636.21	637.26	636.54	638.04	635.50	632.82	632.94	635.40	636.65
75.0	474.94	476.23	477.41	476.29	477.33	479.05	474.45	474.58	478.15	480.21
77.5	308.05	299.99	292.27	283.10	275.48	269.67	259.35	252.82	249.35	246.02

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CANDELA TABULATION - (Cont.)

80.0	105.78	92.03	78.45	65.12	52.64	41.40	30.57	21.49	14.01	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2847.31	2847.38	2847.45	2847.48	2847.52	2847.58	2847.64	2847.70	2847.78	2847.86
5.0	2841.76	2842.02	2842.29	2842.44	2842.60	2842.75	2842.91	2843.22	2843.39	2843.55
7.5	2837.65	2837.87	2838.11	2838.18	2838.28	2838.41	2838.40	2838.42	2838.48	2838.44
10.0	2833.65	2833.79	2833.92	2833.78	2833.63	2833.28	2833.15	2832.82	2832.38	2832.03
12.5	2827.66	2828.12	2828.59	2828.78	2828.99	2828.87	2828.70	2828.28	2827.72	2826.94
15.0	2821.10	2822.27	2823.26	2823.88	2824.33	2824.75	2824.67	2824.38	2823.74	2822.78
17.5	2789.48	2789.90	2790.39	2790.77	2791.23	2791.80	2792.49	2793.12	2793.93	2794.97
20.0	2756.49	2757.25	2757.51	2757.08	2756.09	2756.80	2756.62	2756.51	2756.83	2756.66
22.5	2721.65	2722.55	2723.32	2723.84	2724.13	2724.18	2724.00	2723.58	2722.94	2722.11
25.0	2684.55	2687.23	2689.13	2690.18	2690.37	2692.00	2692.17	2692.02	2691.51	2690.70
27.5	2653.83	2655.28	2656.25	2656.63	2656.62	2656.30	2655.80	2655.24	2654.66	2654.16
30.0	2621.13	2622.89	2623.37	2622.29	2620.08	2619.87	2618.15	2616.29	2614.35	2612.39
32.5	2542.99	2543.92	2545.03	2545.84	2546.66	2547.58	2548.32	2549.39	2550.73	2552.11
35.0	2461.41	2463.21	2466.68	2468.02	2470.62	2471.92	2472.98	2473.90	2474.74	2475.60
37.5	2386.17	2388.25	2389.82	2390.44	2390.78	2390.29	2390.35	2389.62	2390.33	2390.55
40.0	2311.33	2311.85	2312.96	2311.02	2310.04	2307.42	2304.37	2301.10	2297.80	2295.35
42.5	2228.25	2232.03	2234.45	2235.10	2234.29	2232.29	2227.94	2222.32	2216.24	2207.73
45.0	2144.31	2150.26	2155.93	2157.68	2159.07	2157.54	2154.22	2147.96	2139.98	2130.98
47.5	2025.37	2029.24	2031.54	2032.58	2033.14	2032.85	2031.64	2030.03	2028.24	2026.51
50.0	1905.29	1905.64	1907.15	1904.59	1904.67	1902.36	1898.78	1895.28	1892.14	1888.73
52.5	1776.47	1779.04	1781.25	1781.82	1781.54	1780.72	1777.78	1773.44	1768.63	1762.21
55.0	1647.43	1649.57	1655.35	1656.55	1659.03	1660.51	1659.86	1656.97	1654.19	1649.77
57.5	1525.30	1528.30	1530.65	1531.21	1532.25	1532.71	1531.50	1530.34	1529.47	1527.85
60.0	1399.05	1404.69	1405.95	1403.43	1400.57	1403.82	1401.13	1400.19	1398.04	1396.42
62.5	1249.57	1251.01	1252.93	1253.21	1254.76	1255.81	1255.53	1256.63	1256.02	1255.60
65.0	1089.06	1094.56	1099.91	1100.29	1098.31	1106.42	1107.58	1108.11	1109.13	1109.34
67.5	943.56	945.49	947.51	948.14	949.48	951.05	951.29	951.84	953.07	954.91
70.0	788.78	794.15	795.11	793.65	791.10	795.15	793.98	793.22	793.21	794.75
72.5	637.79	640.48	642.36	642.52	643.62	643.95	643.56	642.38	641.16	641.91
75.0	479.08	484.86	489.60	489.50	488.64	493.38	494.23	493.55	492.60	492.98
77.5	243.91	243.51	244.80	245.87	248.83	253.09	258.45	264.03	271.00	279.70
80.0	0.00	0.00	0.00	0.00	0.00	0.00	14.53	22.45	31.94	42.97
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>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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2847.96	2848.05	2848.15	2848.20	2848.27	2848.34	2848.43	2848.52	2848.61	2848.71
5.0	2843.72	2843.89	2844.02	2844.11	2844.20	2844.31	2844.42	2844.56	2844.54	2844.57
7.5	2838.41	2838.43	2838.42	2838.38	2838.41	2838.53	2838.49	2838.57	2838.74	2839.08
10.0	2831.49	2831.04	2830.53	2829.98	2829.56	2829.01	2828.60	2828.55	2827.93	2827.74
12.5	2825.97	2824.79	2823.41	2821.83	2820.09	2818.16	2816.14	2813.88	2813.09	2812.12

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CANDELA TABULATION - (Cont.)

15.0	2821.86	2820.09	2818.29	2816.22	2813.79	2811.25	2808.30	2805.69	2801.90	2798.97
17.5	2796.23	2797.60	2799.27	2801.28	2803.52	2804.46	2800.79	2796.61	2792.23	2787.48
20.0	2756.99	2757.58	2758.47	2760.27	2761.28	2763.20	2765.62	2768.76	2772.02	2776.08
22.5	2721.09	2719.84	2718.33	2716.59	2716.45	2717.12	2718.58	2720.63	2723.35	2726.84
25.0	2689.60	2688.15	2686.31	2684.08	2681.47	2678.50	2675.48	2671.48	2670.53	2672.94
27.5	2654.23	2653.43	2653.37	2652.17	2648.86	2645.06	2640.72	2635.87	2630.61	2625.03
30.0	2610.47	2608.83	2606.82	2605.33	2604.24	2603.68	2603.72	2600.58	2593.95	2586.96
32.5	2553.73	2555.75	2558.14	2554.48	2551.27	2548.72	2546.97	2547.31	2546.12	2547.32
35.0	2476.35	2477.39	2478.99	2480.05	2482.07	2484.98	2487.30	2484.68	2483.09	2482.56
37.5	2392.64	2395.45	2398.35	2398.36	2398.93	2401.76	2403.16	2407.20	2412.80	2413.12
40.0	2293.61	2293.13	2294.20	2297.23	2302.62	2310.77	2315.44	2318.51	2320.94	2324.21
42.5	2199.24	2190.40	2184.81	2184.49	2186.66	2191.90	2200.34	2212.14	2227.29	2229.16
45.0	2121.08	2110.17	2099.29	2089.92	2079.37	2070.95	2073.65	2081.76	2093.98	2107.16
47.5	2025.00	2024.01	2016.51	2003.87	1991.92	1980.98	1971.24	1960.68	1950.48	1958.51
50.0	1885.79	1884.23	1882.01	1882.26	1883.80	1887.18	1879.10	1865.06	1850.47	1833.15
52.5	1754.71	1746.18	1740.30	1739.71	1739.98	1740.84	1744.74	1748.37	1754.88	1739.31
55.0	1643.66	1636.66	1628.52	1620.48	1610.84	1597.80	1591.05	1591.66	1598.00	1609.03
57.5	1526.06	1524.39	1521.48	1514.74	1506.27	1492.89	1474.95	1456.60	1440.98	1443.10
60.0	1392.89	1389.94	1388.53	1387.32	1384.27	1379.10	1369.49	1348.29	1330.44	1313.97
62.5	1254.72	1253.72	1254.78	1250.42	1240.42	1226.65	1214.72	1207.55	1205.18	1202.45
65.0	1110.59	1109.67	1109.65	1107.65	1098.01	1079.29	1059.80	1045.95	1041.01	1039.86
67.5	957.63	958.99	962.44	965.14	960.85	947.24	929.93	912.87	898.07	880.84
70.0	794.77	795.47	797.11	798.95	798.71	793.34	787.16	783.18	775.21	760.02
72.5	641.21	638.40	637.26	634.42	628.60	623.42	619.74	617.83	615.24	614.14
75.0	495.32	491.76	491.44	489.99	488.28	482.99	475.35	469.26	459.46	450.07
77.5	290.90	297.99	307.96	319.27	331.87	342.70	344.39	341.96	333.99	327.88
80.0	55.63	68.47	82.73	98.09	114.32	130.05	143.87	159.14	169.70	181.39
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.47
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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2848.81	2848.92	2849.04	2849.15	2849.30	2849.35	2849.45	2849.56	2849.68	2849.80
5.0	2844.61	2844.67	2844.73	2844.80	2844.99	2844.82	2844.83	2844.86	2844.91	2844.96
7.5	2839.14	2839.42	2839.40	2839.19	2838.87	2838.52	2838.18	2837.86	2837.56	2837.28
10.0	2827.90	2827.57	2827.64	2827.88	2828.17	2828.57	2829.15	2828.38	2827.73	2826.42
12.5	2811.42	2810.86	2810.43	2810.29	2810.27	2810.46	2810.93	2812.13	2812.49	2812.70
15.0	2794.68	2790.93	2788.25	2787.54	2787.06	2786.90	2787.16	2787.62	2788.48	2789.76
17.5	2782.50	2777.31	2771.88	2766.33	2760.62	2757.97	2758.89	2758.02	2758.84	2760.14
20.0	2770.13	2763.27	2756.22	2748.86	2741.29	2733.56	2725.71	2722.48	2723.91	2724.32
22.5	2730.95	2735.97	2740.85	2730.62	2720.91	2710.98	2700.88	2690.84	2681.06	2682.84
25.0	2676.30	2680.70	2686.13	2692.55	2699.64	2687.24	2674.71	2662.47	2649.45	2636.95
27.5	2620.10	2620.58	2625.32	2631.31	2638.69	2647.51	2647.44	2631.84	2616.01	2600.16
30.0	2579.72	2572.21	2564.34	2564.69	2571.30	2579.63	2589.64	2600.11	2580.24	2560.67
32.5	2540.40	2530.96	2520.71	2509.64	2497.78	2503.68	2512.85	2524.90	2540.33	2519.35
35.0	2483.32	2485.79	2478.40	2464.26	2447.32	2428.86	2424.73	2437.11	2454.48	2477.21
37.5	2410.95	2409.70	2410.21	2413.98	2392.76	2369.03	2345.39	2335.44	2355.46	2382.32
40.0	2326.66	2320.17	2312.45	2309.18	2312.24	2301.24	2272.93	2247.46	2236.39	2264.81
42.5	2225.70	2214.76	2194.83	2179.82	2178.94	2187.15	2191.43	2159.49	2124.13	2110.89
45.0	2123.35	2112.93	2088.00	2058.94	2033.99	2042.89	2058.50	2070.40	2025.56	1980.24
47.5	1968.06	1978.46	1988.57	1959.42	1930.52	1903.89	1909.53	1925.64	1935.71	1886.87
50.0	1812.47	1817.60	1827.19	1839.32	1836.92	1808.48	1780.41	1777.61	1795.04	1803.29

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CANDELA TABULATION - (Cont.)

52.5	1719.21	1695.68	1669.51	1683.59	1698.57	1718.15	1686.64	1654.34	1647.59	1669.16
55.0	1624.95	1610.07	1583.80	1554.96	1542.08	1559.38	1581.94	1561.27	1523.37	1518.57
57.5	1455.34	1471.81	1493.86	1472.14	1438.51	1402.59	1416.06	1440.79	1428.01	1389.17
60.0	1299.23	1295.36	1313.16	1336.72	1358.53	1318.48	1264.28	1252.52	1287.47	1286.61
62.5	1186.44	1169.21	1152.20	1149.44	1173.64	1201.51	1177.12	1110.93	1089.62	1139.59
65.0	1042.17	1048.25	1037.73	1020.40	993.54	982.93	1002.01	1016.69	958.43	920.39
67.5	868.60	870.51	879.98	891.63	883.12	841.21	794.44	813.45	846.84	804.50
70.0	743.34	725.07	710.38	705.13	712.40	717.14	694.17	654.85	638.15	677.86
72.5	612.89	610.88	597.47	577.88	547.79	518.34	531.56	547.90	527.16	482.63
75.0	448.81	450.52	453.86	457.28	456.98	422.31	393.64	365.98	390.08	409.41
77.5	318.38	313.40	306.92	299.85	300.62	301.08	302.93	294.38	265.08	228.25
80.0	185.99	193.27	194.09	194.73	189.45	182.95	174.02	174.19	179.07	179.94
82.5	24.97	42.11	56.87	71.63	82.61	90.55	94.37	92.13	86.96	81.65
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.29	20.54	26.89
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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2849.92	2850.05	2850.19	2850.34	2850.49	2850.64	2850.80	2850.97	2851.14	2850.25
5.0	2845.03	2845.12	2845.23	2845.35	2845.50	2845.66	2845.84	2846.05	2846.28	2844.60
7.5	2837.19	2836.69	2836.42	2836.21	2836.05	2835.95	2835.91	2835.94	2836.03	2833.75
10.0	2825.47	2824.58	2823.76	2823.02	2822.37	2821.81	2821.36	2821.03	2820.81	2818.09
12.5	2810.87	2809.12	2807.98	2805.81	2804.34	2803.03	2801.91	2800.97	2800.25	2797.28
15.0	2792.10	2790.22	2787.38	2784.71	2782.25	2780.01	2778.02	2776.30	2774.87	2771.82
17.5	2761.90	2764.24	2763.91	2760.67	2755.89	2752.30	2749.07	2746.24	2743.83	2740.95
20.0	2726.31	2729.56	2732.34	2730.78	2725.35	2720.33	2715.79	2711.75	2708.26	2705.66
22.5	2686.20	2687.94	2691.88	2696.79	2690.98	2684.07	2677.75	2672.08	2667.14	2665.10
25.0	2637.41	2640.79	2647.05	2651.01	2652.46	2643.52	2635.34	2627.98	2621.51	2620.07
27.5	2584.42	2586.68	2591.91	2598.82	2608.22	2598.31	2587.52	2577.76	2569.15	2569.08
30.0	2542.09	2525.39	2531.57	2539.50	2549.16	2547.81	2534.27	2521.99	2511.08	2512.49
32.5	2496.75	2474.83	2465.73	2474.52	2485.40	2493.35	2476.99	2462.11	2448.86	2451.56
35.0	2451.07	2425.22	2399.57	2405.23	2415.81	2431.20	2416.36	2398.36	2382.25	2384.18
37.5	2404.03	2370.35	2335.42	2311.26	2328.61	2352.34	2344.08	2314.89	2288.23	2294.63
40.0	2302.17	2301.80	2244.62	2185.67	2200.52	2234.98	2240.45	2195.13	2153.89	2173.03
42.5	2147.02	2188.05	2139.24	2072.47	2051.98	2091.23	2111.56	2062.33	2018.50	2042.44
45.0	1979.52	2018.14	2039.58	1969.00	1913.22	1949.02	1989.37	1940.44	1897.19	1921.81
47.5	1840.30	1861.72	1905.23	1875.02	1808.34	1818.24	1861.72	1825.70	1778.64	1807.24
50.0	1751.69	1710.47	1755.22	1781.84	1711.50	1688.22	1734.82	1712.47	1661.02	1693.55
52.5	1664.11	1608.97	1606.28	1659.13	1616.53	1555.80	1606.87	1599.08	1540.65	1579.87
55.0	1546.80	1521.71	1461.95	1507.35	1522.71	1439.20	1474.24	1483.99	1419.23	1464.86
57.5	1394.28	1430.16	1369.66	1345.91	1417.48	1338.65	1338.65	1368.12	1293.67	1348.25
60.0	1245.96	1260.79	1279.20	1188.70	1249.70	1228.65	1174.84	1244.41	1135.25	1216.45
62.5	1130.18	1050.49	1111.91	1072.42	1044.52	1103.05	991.69	1089.90	970.15	1064.28
65.0	974.75	944.88	909.34	970.56	856.01	947.08	839.85	926.38	819.62	903.79
67.5	755.95	815.04	770.95	770.54	759.86	751.05	726.02	763.18	672.95	741.78
70.0	659.17	592.79	667.15	585.90	652.27	545.67	615.82	593.73	516.16	571.39
72.5	506.32	504.17	446.44	508.57	438.19	447.16	491.28	422.71	381.59	403.93
75.0	354.47	347.77	367.95	313.73	338.09	349.85	302.55	269.42	255.48	253.08
77.5	254.74	251.33	209.76	241.79	214.14	185.52	186.96	176.15	157.07	161.48
80.0	153.87	128.79	154.79	120.30	147.49	136.27	133.44	132.55	85.27	118.79
82.5	82.16	87.70	73.74	62.22	65.23	74.86	65.63	54.52	39.17	48.65
85.0	31.23	31.72	29.65	32.22	27.88	29.29	29.64	27.94	16.12	24.52
87.5	0.00	0.00	0.00	4.95	12.35	10.55	11.06	12.79	4.66	10.63

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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	4.64	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2849.37	2848.49	2847.62	2846.77	2845.93	2845.10	2844.29	2843.49	2842.71	2841.96
5.0	2842.95	2841.32	2839.73	2838.17	2836.64	2835.15	2833.69	2832.27	2830.89	2829.56
7.5	2831.54	2829.41	2827.35	2825.37	2823.46	2821.62	2820.06	2818.12	2816.40	2814.75
10.0	2815.50	2813.03	2810.69	2808.46	2806.36	2804.37	2802.50	2800.74	2799.39	2797.43
12.5	2794.52	2791.98	2789.63	2787.48	2786.08	2783.68	2781.95	2780.36	2776.80	2773.16
15.0	2769.08	2766.63	2764.46	2762.56	2760.90	2759.49	2757.17	2750.69	2745.35	2740.53
17.5	2738.51	2736.48	2734.86	2734.49	2732.64	2727.93	2720.63	2714.00	2707.93	2702.47
20.0	2703.61	2702.10	2701.10	2700.56	2696.23	2687.66	2678.73	2671.17	2665.29	2658.49
22.5	2663.80	2663.21	2663.28	2662.32	2650.63	2640.01	2631.76	2622.04	2614.72	2618.11
25.0	2619.54	2619.87	2621.02	2611.96	2600.44	2586.76	2576.02	2568.28	2573.89	2580.35
27.5	2570.17	2572.31	2573.64	2555.93	2540.79	2527.45	2517.25	2524.46	2532.16	2540.19
30.0	2515.29	2519.39	2511.45	2492.70	2475.78	2460.69	2468.28	2477.89	2488.53	2499.12
32.5	2455.99	2462.10	2442.29	2420.13	2401.59	2402.57	2415.80	2429.14	2442.78	2405.13
35.0	2388.39	2389.31	2355.17	2328.34	2310.13	2334.81	2357.91	2379.17	2335.71	2298.16
37.5	2303.95	2292.30	2247.52	2208.87	2219.10	2249.91	2284.44	2251.45	2208.27	2171.03
40.0	2196.11	2171.59	2119.16	2083.24	2114.58	2149.37	2140.23	2095.10	2053.12	2053.16
42.5	2071.44	2034.23	1978.78	1975.61	2011.19	2031.27	1982.81	1937.75	1933.77	1953.10
45.0	1951.59	1895.33	1843.08	1875.57	1919.58	1882.86	1833.28	1817.70	1838.58	1860.47
47.5	1825.01	1764.88	1737.03	1781.76	1792.29	1735.74	1699.75	1724.49	1749.55	1724.59
50.0	1697.63	1634.02	1637.73	1686.99	1645.45	1587.24	1607.61	1637.14	1613.37	1582.01
52.5	1569.51	1501.19	1540.44	1562.76	1496.68	1482.44	1516.11	1504.01	1468.09	1453.14
55.0	1437.44	1384.95	1444.93	1407.40	1344.32	1389.20	1396.76	1355.51	1337.40	1343.05
57.5	1293.94	1275.62	1339.43	1240.41	1239.03	1282.51	1225.57	1210.96	1225.49	1208.25
60.0	1123.80	1151.07	1155.49	1069.07	1130.45	1089.04	1048.67	1090.11	1079.37	1022.84
62.5	948.21	1022.07	950.33	953.66	969.85	894.50	935.93	934.68	876.41	872.41
65.0	797.95	877.65	772.58	853.61	780.42	787.49	788.98	726.34	742.57	769.05
67.5	683.77	687.33	673.06	661.53	643.35	658.79	585.62	609.47	634.13	592.31
70.0	569.49	483.75	561.78	480.78	539.86	457.65	482.49	480.85	439.71	444.30
72.5	446.78	387.68	363.59	402.34	332.80	363.79	350.09	316.87	333.88	339.90
75.0	268.13	292.51	266.01	235.02	251.14	229.94	224.06	243.17	215.42	182.42
77.5	158.43	145.46	158.88	164.69	133.99	148.10	141.48	109.75	125.48	140.62
80.0	108.62	101.75	98.32	75.03	86.53	60.83	72.48	83.65	81.74	76.36
82.5	49.88	49.22	40.80	34.82	35.88	42.21	39.88	37.53	34.60	29.13
85.0	23.02	22.42	18.73	18.11	17.64	18.27	15.56	11.10	6.97	3.15
87.5	9.53	8.20	6.86	3.24	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2841.22	2840.50	2839.85	2839.13	2838.46	2837.81	2837.18	2836.59	2836.02	2835.48
5.0	2828.27	2827.02	2826.01	2824.65	2823.46	2822.33	2821.24	2820.21	2819.24	2818.37
7.5	2813.16	2811.64	2810.19	2808.77	2807.30	2806.53	2803.87	2802.33	2800.57	2799.06
10.0	2796.08	2792.59	2789.77	2787.15	2784.64	2782.40	2780.66	2778.51	2776.82	2775.66
12.5	2768.76	2765.17	2761.96	2759.05	2756.37	2754.08	2752.05	2750.27	2748.88	2747.58
15.0	2736.22	2732.22	2728.78	2725.76	2723.10	2722.52	2723.14	2724.46	2724.60	2725.78
17.5	2698.83	2693.53	2692.00	2693.71	2695.39	2697.08	2698.67	2700.20	2701.69	2703.00
20.0	2656.47	2659.27	2662.19	2665.16	2668.14	2670.99	2673.86	2676.44	2667.65	2660.43
22.5	2622.38	2626.80	2631.18	2635.59	2640.62	2630.43	2620.21	2611.31	2603.35	2596.42

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CANDELA TABULATION - (Cont.)

25.0	2586.38	2592.94	2599.24	2583.75	2570.03	2558.39	2548.55	2540.35	2533.53	2530.47
27.5	2548.49	2538.30	2518.35	2501.39	2487.48	2476.58	2472.05	2473.80	2476.13	2477.89
30.0	2472.87	2447.75	2426.14	2408.14	2399.70	2403.94	2409.52	2415.37	2420.63	2424.78
32.5	2373.89	2346.74	2326.46	2326.28	2329.67	2335.53	2343.67	2350.20	2345.09	2344.53
35.0	2265.28	2248.07	2247.82	2251.14	2255.90	2255.71	2245.39	2239.99	2238.89	2241.82
37.5	2162.90	2164.35	2164.98	2168.56	2148.14	2133.98	2125.11	2121.45	2125.28	2130.49
40.0	2066.66	2075.88	2064.60	2039.86	2020.61	2006.59	2005.96	2010.39	2016.14	2023.18
42.5	1972.47	1955.34	1928.79	1905.56	1894.91	1898.13	1901.97	1907.23	1914.78	1898.84
45.0	1838.22	1811.80	1787.08	1788.83	1793.88	1798.57	1797.36	1780.03	1765.99	1752.40
47.5	1696.42	1677.73	1683.46	1689.99	1697.65	1673.08	1653.34	1636.31	1620.96	1622.37
50.0	1568.07	1575.39	1584.54	1571.14	1547.38	1526.82	1510.76	1516.22	1519.90	1522.56
52.5	1459.95	1470.32	1436.50	1411.65	1393.24	1406.17	1414.40	1420.41	1424.29	1400.73
55.0	1337.71	1296.53	1263.66	1267.52	1293.57	1312.04	1312.86	1283.08	1258.22	1236.38
57.5	1159.07	1122.09	1140.49	1165.04	1187.36	1160.31	1133.76	1108.98	1090.84	1086.53
60.0	999.80	1015.55	1036.33	1012.10	987.12	964.48	961.88	963.19	960.99	957.32
62.5	892.19	885.31	851.95	822.20	816.70	823.35	831.19	832.88	818.83	805.22
65.0	736.29	698.86	685.23	691.76	696.29	694.00	677.25	660.58	646.38	634.89
67.5	561.28	567.33	573.23	565.98	545.31	522.67	503.25	502.73	514.09	523.50
70.0	459.19	449.13	421.87	396.51	391.44	399.04	405.62	412.64	419.98	422.18
72.5	312.48	288.26	292.99	301.39	313.40	318.22	312.79	307.49	303.62	298.48
75.0	199.97	218.62	228.27	222.73	218.51	211.57	203.19	194.66	189.51	185.35
77.5	144.77	142.41	136.59	127.20	121.27	117.00	108.95	100.52	92.97	83.00
80.0	70.65	66.94	61.84	53.55	44.10	38.98	37.19	35.36	34.42	31.47
82.5	22.02	19.00	16.73	14.02	11.47	8.51	5.00	1.26	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	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2834.97	2834.50	2834.05	2833.64	2833.28	2832.91	2832.55	2832.23	2831.95	2831.71
5.0	2817.39	2816.49	2815.65	2814.88	2814.17	2813.49	2812.81	2812.21	2811.68	2811.21
7.5	2797.72	2796.57	2795.35	2794.31	2793.42	2792.60	2791.82	2791.19	2790.67	2790.14
10.0	2774.01	2772.83	2771.90	2770.95	2770.25	2769.64	2769.12	2768.80	2768.43	2768.25
12.5	2747.69	2747.78	2747.89	2747.95	2747.99	2747.99	2747.96	2747.89	2747.79	2747.62
15.0	2725.93	2726.58	2726.95	2727.37	2727.62	2727.81	2728.20	2727.91	2727.85	2727.61
17.5	2704.32	2705.38	2701.75	2696.92	2692.46	2688.60	2685.32	2682.43	2679.97	2677.97
20.0	2653.61	2647.72	2642.58	2638.66	2634.17	2630.86	2628.11	2625.89	2624.37	2622.64
22.5	2590.43	2585.26	2580.99	2577.75	2576.47	2575.30	2574.21	2573.16	2572.15	2571.20
25.0	2530.68	2529.85	2529.05	2528.03	2526.95	2525.87	2524.76	2523.59	2522.39	2521.17
27.5	2479.05	2479.57	2479.42	2478.78	2476.37	2473.26	2471.28	2468.76	2467.13	2465.88
30.0	2424.18	2420.06	2416.86	2414.29	2412.25	2410.83	2409.30	2408.56	2408.28	2408.34
32.5	2342.12	2342.53	2343.41	2344.29	2345.34	2336.60	2327.92	2320.19	2313.54	2307.68
35.0	2248.04	2250.09	2246.87	2240.69	2233.18	2224.08	2215.34	2207.31	2200.15	2193.94
37.5	2135.56	2139.63	2135.50	2129.62	2121.55	2109.84	2098.32	2088.13	2080.32	2073.19
40.0	2027.60	2025.03	2013.06	2001.07	1989.71	1979.09	1969.41	1961.27	1954.49	1949.30
42.5	1888.11	1878.46	1869.44	1860.66	1852.86	1848.10	1844.04	1839.87	1836.39	1832.42
45.0	1741.14	1733.34	1736.26	1738.41	1736.95	1734.65	1730.74	1726.46	1722.20	1718.67
47.5	1625.51	1626.80	1627.86	1627.17	1625.91	1619.03	1607.36	1597.81	1589.65	1582.88
50.0	1525.23	1520.56	1503.97	1489.36	1477.20	1467.34	1457.54	1449.90	1443.73	1438.42
52.5	1380.69	1361.03	1345.40	1332.71	1322.57	1315.82	1312.22	1308.88	1305.38	1301.53
55.0	1216.72	1203.58	1198.03	1193.26	1189.26	1184.30	1180.06	1176.72	1172.59	1167.69
57.5	1079.72	1073.55	1068.15	1063.71	1059.54	1050.63	1042.55	1036.70	1032.00	1027.02
60.0	950.18	937.79	925.45	915.45	907.63	900.73	893.78	888.77	885.98	883.66

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CANDELA TABULATION - (Cont.)

62.5	792.27	778.95	768.43	760.24	756.12	757.85	757.19	755.47	756.38	756.53
65.0	636.79	639.59	640.38	641.34	641.64	641.64	640.11	637.13	636.39	634.12
67.5	531.13	532.02	531.40	530.39	526.10	521.89	517.27	513.08	509.89	506.75
70.0	420.22	413.90	408.26	402.74	397.69	393.14	388.42	385.08	380.71	377.78
72.5	293.66	288.35	281.55	277.36	273.02	268.21	264.99	261.31	256.11	253.15
75.0	179.78	175.03	169.01	162.90	156.73	149.50	145.72	140.26	133.41	129.73
77.5	74.93	71.22	71.74	71.35	70.11	67.95	68.11	66.76	63.94	62.96
80.0	29.60	26.90	24.60	21.87	18.82	15.61	12.98	10.26	7.53	5.35
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. Horizontal Angles
Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	2852.61	2852.61	2852.61	2852.61	2852.61
2.5	2831.51	2831.34	2831.22	2831.13	2831.09
5.0	2810.76	2810.35	2810.00	2809.74	2809.56
7.5	2789.74	2789.46	2789.13	2788.92	2788.84
10.0	2768.09	2768.01	2768.01	2767.98	2768.11
12.5	2747.47	2747.24	2747.12	2746.77	2746.59
15.0	2727.24	2726.86	2726.30	2725.68	2725.07
17.5	2676.38	2674.99	2673.97	2673.28	2672.88
20.0	2621.63	2620.99	2620.65	2620.56	2620.69
22.5	2570.33	2569.52	2568.79	2568.12	2567.56
25.0	2519.90	2518.56	2517.18	2515.79	2514.42
27.5	2464.93	2464.19	2463.56	2462.97	2462.38
30.0	2408.67	2409.09	2409.57	2410.00	2410.34
32.5	2302.80	2299.07	2296.03	2294.00	2292.93
35.0	2188.45	2183.91	2180.35	2177.50	2175.52
37.5	2068.28	2063.94	2061.28	2059.51	2058.89
40.0	1945.58	1943.10	1941.55	1941.34	1942.26
42.5	1829.74	1827.73	1826.02	1825.41	1825.32
45.0	1715.90	1712.66	1710.76	1709.60	1708.38
47.5	1577.70	1573.83	1571.40	1570.30	1570.14
50.0	1434.31	1432.09	1430.84	1430.65	1431.89
52.5	1298.33	1296.29	1294.60	1293.75	1294.06
55.0	1164.10	1161.28	1158.82	1156.97	1156.22
57.5	1022.90	1020.37	1018.78	1017.78	1017.73
60.0	880.31	878.67	878.58	878.60	879.25
62.5	754.14	752.99	752.94	753.05	753.22
65.0	631.18	628.98	627.98	627.64	627.18
67.5	503.56	500.99	499.60	499.82	500.86
70.0	375.41	372.80	371.06	371.95	374.54
72.5	250.17	246.69	245.51	247.08	247.91
75.0	125.47	120.85	120.03	122.22	121.28
77.5	61.58	59.72	59.69	61.03	60.64
80.0	3.46	1.94	0.88	0.23	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	1049.67	13.80	13.80
0-30	2251.83	29.50	29.50
0-40	3716.44	48.70	48.70
0-60	6445.5	84.50	84.50
0-80	7605.33	99.80	99.80
0-90	7624.06	100.00	100.00
10-90	7354.58	96.50	96.50
20-40	2666.77	35.00	35.00
20-50	4138.65	54.30	54.30
40-70	3565.02	46.80	46.80
60-80	1159.83	15.20	15.20
70-80	323.87	4.20	4.20
80-90	18.73	0.20	0.20
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	7624.06	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	269.48
10-20	780.19
20-30	1202.16
30-40	1464.61
40-50	1471.88
50-60	1257.18
60-70	835.96
70-80	323.87
80-90	18.73
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

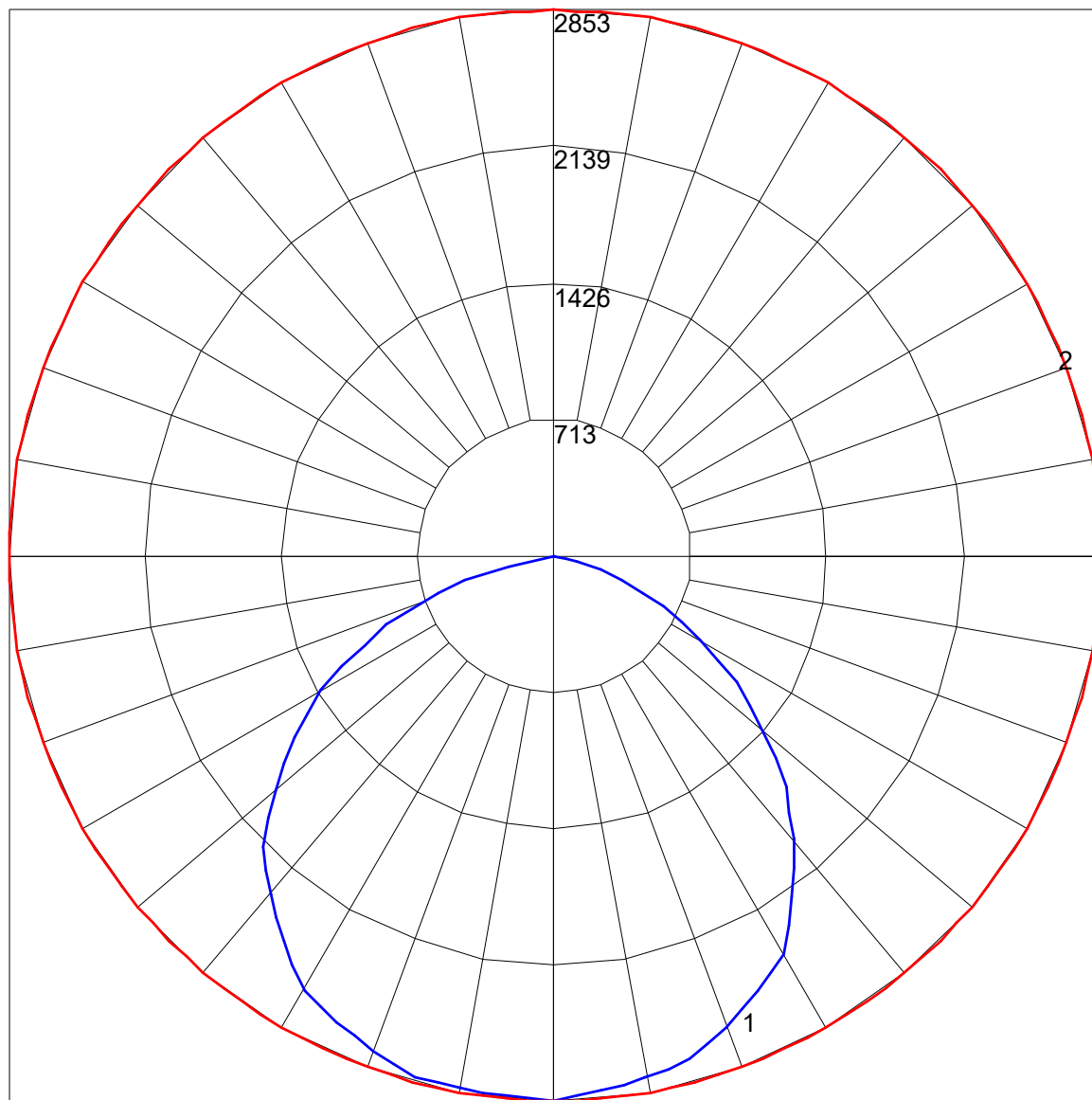
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 2852.61 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)