

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-RD-835-CA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13551818.03
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 11/9/2020
 [MANUFAC] Lux Dynamics
 [LUMCAT] 360P-4-RD-835-xxx-xx-CA (modified from 2' IES file)
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens
 [LAMP] White 1224 LEDs
 [BALLAST] Two (2) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB
 [OTHER] 25.5 C, 277.006 V, 0.194213 A, 51.0324 W, 0.948586 PF, 59.9697
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15696
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	102.0648
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.84
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19380	21148	22239
55	16501	18371	25304
65	11947	21307	24606
75	5922	21984	26910
85	2341	24895	28832

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0
0.5	2802.0	2810.0	2812.0	2814.0	2820.0	2814.0	2812.0	2810.0	2802.0	2812.0
1.0	2802.0	2812.0	2816.0	2818.0	2822.0	2818.0	2816.0	2812.0	2802.0	2820.0
1.5	2802.0	2816.0	2826.0	2836.0	2848.0	2836.0	2826.0	2816.0	2802.0	2826.0
2.0	2802.0	2818.0	2836.0	2848.0	2858.0	2848.0	2836.0	2818.0	2802.0	2834.0
2.5	2798.0	2824.0	2844.0	2840.0	2840.0	2840.0	2844.0	2824.0	2798.0	2842.0
3.0	2802.0	2826.0	2846.0	2836.0	2846.0	2836.0	2846.0	2826.0	2802.0	2850.0
3.5	2798.0	2828.0	2838.0	2846.0	2868.0	2846.0	2838.0	2828.0	2798.0	2858.0
4.0	2796.0	2832.0	2838.0	2868.0	2880.0	2868.0	2838.0	2832.0	2796.0	2860.0
4.5	2798.0	2832.0	2844.0	2872.0	2888.0	2872.0	2844.0	2832.0	2798.0	2866.0
5.0	2794.0	2836.0	2860.0	2878.0	2884.0	2878.0	2860.0	2836.0	2794.0	2868.0
5.5	2790.0	2834.0	2866.0	2882.0	2900.0	2882.0	2866.0	2834.0	2790.0	2868.0
6.0	2788.0	2830.0	2870.0	2900.0	2930.0	2900.0	2870.0	2830.0	2788.0	2866.0
6.5	2788.0	2830.0	2872.0	2924.0	2938.0	2924.0	2872.0	2830.0	2788.0	2862.0
7.0	2786.0	2826.0	2872.0	2928.0	2914.0	2928.0	2872.0	2826.0	2786.0	2850.0
7.5	2782.0	2826.0	2884.0	2908.0	2910.0	2908.0	2884.0	2826.0	2782.0	2838.0
8.0	2780.0	2832.0	2898.0	2906.0	2934.0	2906.0	2898.0	2832.0	2780.0	2830.0
8.5	2774.0	2832.0	2908.0	2924.0	2952.0	2924.0	2908.0	2832.0	2774.0	2818.0
9.0	2770.0	2832.0	2910.0	2942.0	2976.0	2942.0	2910.0	2832.0	2770.0	2802.0
9.5	2768.0	2834.0	2900.0	2960.0	3018.0	2960.0	2900.0	2834.0	2768.0	2784.0
10.0	2764.0	2834.0	2894.0	2992.0	3058.0	2992.0	2894.0	2834.0	2764.0	2766.0
10.5	2762.0	2832.0	2898.0	3030.0	3088.0	3030.0	2898.0	2832.0	2762.0	2752.0
11.0	2756.0	2830.0	2912.0	3064.0	3110.0	3064.0	2912.0	2830.0	2756.0	2734.0
11.5	2748.0	2832.0	2928.0	3090.0	3138.0	3090.0	2928.0	2832.0	2748.0	2722.0
12.0	2744.0	2832.0	2940.0	3112.0	3146.0	3112.0	2940.0	2832.0	2744.0	2710.0
12.5	2744.0	2838.0	2962.0	3128.0	3124.0	3128.0	2962.0	2838.0	2744.0	2696.0
13.0	2740.0	2838.0	2988.0	3128.0	3096.0	3128.0	2988.0	2838.0	2740.0	2688.0
13.5	2732.0	2838.0	3018.0	3108.0	3092.0	3108.0	3018.0	2838.0	2732.0	2674.0
14.0	2724.0	2840.0	3042.0	3086.0	3116.0	3086.0	3042.0	2840.0	2724.0	2668.0
14.5	2724.0	2840.0	3062.0	3080.0	3160.0	3080.0	3062.0	2840.0	2724.0	2662.0
15.0	2716.0	2842.0	3074.0	3096.0	3206.0	3096.0	3074.0	2842.0	2716.0	2662.0
15.5	2708.0	2836.0	3088.0	3132.0	3252.0	3132.0	3088.0	2836.0	2708.0	2656.0
16.0	2704.0	2836.0	3096.0	3172.0	3288.0	3172.0	3096.0	2836.0	2704.0	2648.0
16.5	2696.0	2838.0	3094.0	3216.0	3300.0	3216.0	3094.0	2838.0	2696.0	2644.0
17.0	2690.0	2834.0	3082.0	3248.0	3278.0	3248.0	3082.0	2834.0	2690.0	2634.0
17.5	2680.0	2836.0	3064.0	3264.0	3256.0	3264.0	3064.0	2836.0	2680.0	2630.0
18.0	2674.0	2834.0	3046.0	3256.0	3264.0	3256.0	3046.0	2834.0	2674.0	2618.0
18.5	2660.0	2834.0	3038.0	3232.0	3298.0	3232.0	3038.0	2834.0	2660.0	2612.0
19.0	2654.0	2830.0	3040.0	3222.0	3310.0	3222.0	3040.0	2830.0	2654.0	2604.0
19.5	2642.0	2836.0	3056.0	3238.0	3294.0	3238.0	3056.0	2836.0	2642.0	2598.0
20.0	2632.0	2840.0	3070.0	3256.0	3272.0	3256.0	3070.0	2840.0	2632.0	2590.0
20.5	2616.0	2844.0	3094.0	3260.0	3276.0	3260.0	3094.0	2844.0	2616.0	2580.0
21.0	2606.0	2850.0	3108.0	3252.0	3282.0	3252.0	3108.0	2850.0	2606.0	2574.0
21.5	2598.0	2856.0	3122.0	3248.0	3294.0	3248.0	3122.0	2856.0	2598.0	2564.0
22.0	2586.0	2862.0	3122.0	3252.0	3300.0	3252.0	3122.0	2862.0	2586.0	2560.0
22.5	2578.0	2872.0	3118.0	3266.0	3302.0	3266.0	3118.0	2872.0	2578.0	2560.0
23.0	2564.0	2878.0	3102.0	3266.0	3288.0	3266.0	3102.0	2878.0	2564.0	2556.0
23.5	2554.0	2882.0	3088.0	3264.0	3282.0	3264.0	3088.0	2882.0	2554.0	2556.0
24.0	2544.0	2890.0	3068.0	3256.0	3280.0	3256.0	3068.0	2890.0	2544.0	2554.0
24.5	2536.0	2896.0	3054.0	3238.0	3252.0	3238.0	3054.0	2896.0	2536.0	2550.0
25.0	2526.0	2900.0	3050.0	3226.0	3230.0	3226.0	3050.0	2900.0	2526.0	2550.0
25.5	2512.0	2900.0	3054.0	3224.0	3252.0	3224.0	3054.0	2900.0	2512.0	2544.0
26.0	2500.0	2904.0	3062.0	3212.0	3310.0	3212.0	3062.0	2904.0	2500.0	2534.0
26.5	2490.0	2904.0	3082.0	3194.0	3366.0	3194.0	3082.0	2904.0	2490.0	2520.0

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27.0	2480.0	2904.0	3104.0	3192.0	3406.0	3192.0	3104.0	2904.0	2480.0	2502.0
27.5	2466.0	2900.0	3114.0	3230.0	3428.0	3230.0	3114.0	2900.0	2466.0	2480.0
28.0	2456.0	2892.0	3114.0	3286.0	3426.0	3286.0	3114.0	2892.0	2456.0	2462.0
28.5	2444.0	2878.0	3100.0	3340.0	3444.0	3340.0	3100.0	2878.0	2444.0	2438.0
29.0	2432.0	2868.0	3070.0	3368.0	3474.0	3368.0	3070.0	2868.0	2432.0	2420.0
29.5	2418.0	2848.0	3034.0	3376.0	3502.0	3376.0	3034.0	2848.0	2418.0	2402.0
30.0	2404.0	2826.0	3014.0	3378.0	3520.0	3378.0	3014.0	2826.0	2404.0	2388.0
30.5	2402.0	2806.0	3004.0	3390.0	3512.0	3390.0	3004.0	2806.0	2402.0	2378.0
31.0	2390.0	2786.0	3008.0	3414.0	3482.0	3414.0	3008.0	2786.0	2390.0	2368.0
31.5	2376.0	2760.0	3010.0	3440.0	3460.0	3440.0	3010.0	2760.0	2376.0	2356.0
32.0	2362.0	2732.0	3010.0	3462.0	3450.0	3462.0	3010.0	2732.0	2362.0	2342.0
32.5	2348.0	2706.0	3008.0	3452.0	3464.0	3452.0	3008.0	2706.0	2348.0	2328.0
33.0	2336.0	2678.0	3004.0	3422.0	3508.0	3422.0	3004.0	2678.0	2336.0	2314.0
33.5	2322.0	2646.0	3010.0	3392.0	3562.0	3392.0	3010.0	2646.0	2322.0	2300.0
34.0	2308.0	2618.0	3022.0	3374.0	3610.0	3374.0	3022.0	2618.0	2308.0	2284.0
34.5	2294.0	2590.0	3050.0	3384.0	3682.0	3384.0	3050.0	2590.0	2294.0	2268.0
35.0	2282.0	2568.0	3074.0	3422.0	3790.0	3422.0	3074.0	2568.0	2282.0	2252.0
35.5	2268.0	2548.0	3102.0	3474.0	3892.0	3474.0	3102.0	2548.0	2268.0	2236.0
36.0	2256.0	2532.0	3118.0	3520.0	3934.0	3520.0	3118.0	2532.0	2256.0	2220.0
36.5	2242.0	2520.0	3126.0	3576.0	3906.0	3576.0	3126.0	2520.0	2242.0	2204.0
37.0	2228.0	2504.0	3128.0	3652.0	3838.0	3652.0	3128.0	2504.0	2228.0	2188.0
37.5	2214.0	2492.0	3124.0	3732.0	3760.0	3732.0	3124.0	2492.0	2214.0	2170.0
38.0	2198.0	2480.0	3118.0	3792.0	3692.0	3792.0	3118.0	2480.0	2198.0	2150.0
38.5	2184.0	2472.0	3114.0	3800.0	3654.0	3800.0	3114.0	2472.0	2184.0	2128.0
39.0	2168.0	2464.0	3102.0	3746.0	3632.0	3746.0	3102.0	2464.0	2168.0	2102.0
39.5	2152.0	2452.0	3096.0	3656.0	3618.0	3656.0	3096.0	2452.0	2152.0	2076.0
40.0	2136.0	2444.0	3092.0	3576.0	3594.0	3576.0	3092.0	2444.0	2136.0	2050.0
40.5	2118.0	2432.0	3090.0	3522.0	3544.0	3522.0	3090.0	2432.0	2118.0	2020.0
41.0	2102.0	2426.0	3096.0	3496.0	3512.0	3496.0	3096.0	2426.0	2102.0	1992.0
41.5	2084.0	2416.0	3096.0	3472.0	3508.0	3472.0	3096.0	2416.0	2084.0	1964.4
42.0	2068.0	2404.0	3098.0	3448.0	3534.0	3448.0	3098.0	2404.0	2068.0	1936.6
42.5	2050.0	2392.0	3086.0	3408.0	3538.0	3408.0	3086.0	2392.0	2050.0	1908.8
43.0	2034.0	2386.0	3066.0	3382.0	3504.0	3382.0	3066.0	2386.0	2034.0	1882.8
43.5	2014.0	2374.0	3046.0	3376.0	3470.0	3376.0	3046.0	2374.0	2014.0	1859.6
44.0	1995.4	2360.0	3030.0	3372.0	3476.0	3372.0	3030.0	2360.0	1995.4	1836.4
44.5	1974.4	2344.0	3022.0	3344.0	3504.0	3344.0	3022.0	2344.0	1974.4	1812.4
45.0	1951.6	2324.0	3034.0	3296.0	3504.0	3296.0	3034.0	2324.0	1951.6	1788.6
45.5	1928.2	2310.0	3052.0	3258.0	3480.0	3258.0	3052.0	2310.0	1928.2	1765.2
46.0	1903.0	2296.0	3072.0	3252.0	3484.0	3252.0	3072.0	2296.0	1903.0	1740.6
46.5	1876.6	2282.0	3092.0	3272.0	3510.0	3272.0	3092.0	2282.0	1876.6	1715.6
47.0	1849.2	2270.0	3098.0	3288.0	3530.0	3288.0	3098.0	2270.0	1849.2	1689.0
47.5	1821.4	2260.0	3098.0	3292.0	3522.0	3292.0	3098.0	2260.0	1821.4	1662.2
48.0	1793.0	2248.0	3086.0	3294.0	3498.0	3294.0	3086.0	2248.0	1793.0	1637.8
48.5	1764.0	2238.0	3058.0	3298.0	3448.0	3298.0	3058.0	2238.0	1764.0	1615.4
49.0	1736.8	2232.0	3018.0	3300.0	3450.0	3300.0	3018.0	2232.0	1736.8	1594.8
49.5	1708.4	2226.0	2962.0	3292.0	3488.0	3292.0	2962.0	2226.0	1708.4	1573.8
50.0	1679.6	2220.0	2892.0	3260.0	3506.0	3260.0	2892.0	2220.0	1679.6	1552.0
50.5	1650.8	2218.0	2812.0	3216.0	3498.0	3216.0	2812.0	2218.0	1650.8	1529.0
51.0	1620.8	2212.0	2734.0	3186.0	3500.0	3186.0	2734.0	2212.0	1620.8	1504.4
51.5	1590.8	2202.0	2664.0	3198.0	3524.0	3198.0	2664.0	2202.0	1590.8	1479.6
52.0	1562.0	2190.0	2614.0	3240.0	3558.0	3240.0	2614.0	2190.0	1562.0	1453.2
52.5	1532.0	2174.0	2576.0	3272.0	3594.0	3272.0	2576.0	2174.0	1532.0	1424.6
53.0	1501.8	2152.0	2546.0	3286.0	3612.0	3286.0	2546.0	2152.0	1501.8	1396.0
53.5	1471.6	2126.0	2514.0	3302.0	3620.0	3302.0	2514.0	2126.0	1471.6	1367.8
54.0	1441.2	2098.0	2490.0	3322.0	3630.0	3322.0	2490.0	2098.0	1441.2	1340.8
54.5	1412.4	2066.0	2470.0	3346.0	3680.0	3346.0	2470.0	2066.0	1412.4	1315.0

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55.0	1383.2	2034.0	2450.0	3364.0	3788.0	3364.0	2450.0	2034.0	1383.2	1288.8
55.5	1354.6	1998.4	2436.0	3384.0	3904.0	3384.0	2436.0	1998.4	1354.6	1263.0
56.0	1326.2	1964.2	2420.0	3408.0	3940.0	3408.0	2420.0	1964.2	1326.2	1237.2
56.5	1297.4	1929.4	2412.0	3458.0	3892.0	3458.0	2412.0	1929.4	1297.4	1210.6
57.0	1267.8	1893.8	2412.0	3526.0	3802.0	3526.0	2412.0	1893.8	1267.8	1183.6
57.5	1238.2	1859.8	2418.0	3592.0	3692.0	3592.0	2418.0	1859.8	1238.2	1155.8
58.0	1208.0	1827.2	2426.0	3618.0	3606.0	3618.0	2426.0	1827.2	1208.0	1126.6
58.5	1178.2	1795.0	2440.0	3596.0	3568.0	3596.0	2440.0	1795.0	1178.2	1098.0
59.0	1148.2	1767.0	2458.0	3534.0	3528.0	3534.0	2458.0	1767.0	1148.2	1068.6
59.5	1118.2	1743.2	2466.0	3462.0	3478.0	3462.0	2466.0	1743.2	1118.2	1039.2
60.0	1087.8	1719.2	2494.0	3402.0	3450.0	3402.0	2494.0	1719.2	1087.8	1010.2
60.5	1057.0	1697.0	2522.0	3364.0	3440.0	3364.0	2522.0	1697.0	1057.0	980.8
61.0	1025.6	1677.8	2562.0	3330.0	3478.0	3330.0	2562.0	1677.8	1025.6	951.8
61.5	994.0	1659.4	2606.0	3296.0	3522.0	3296.0	2606.0	1659.4	994.0	923.4
62.0	962.6	1639.6	2642.0	3272.0	3522.0	3272.0	2642.0	1639.6	962.6	896.4
62.5	930.2	1618.2	2670.0	3268.0	3498.0	3268.0	2670.0	1618.2	930.2	870.2
63.0	898.2	1599.0	2676.0	3284.0	3456.0	3284.0	2676.0	1599.0	898.2	845.2
63.5	865.6	1577.8	2658.0	3286.0	3394.0	3286.0	2658.0	1577.8	865.6	821.8
64.0	833.4	1551.6	2624.0	3266.0	3366.0	3266.0	2624.0	1551.6	833.4	799.0
64.5	801.4	1523.4	2582.0	3236.0	3376.0	3236.0	2582.0	1523.4	801.4	777.4
65.0	769.4	1493.0	2540.0	3214.0	3378.0	3214.0	2540.0	1493.0	769.4	756.0
65.5	737.4	1459.8	2508.0	3198.0	3354.0	3198.0	2508.0	1459.8	737.4	735.6
66.0	705.6	1424.0	2480.0	3200.0	3288.0	3200.0	2480.0	1424.0	705.6	715.4
66.5	673.4	1387.4	2468.0	3204.0	3218.0	3204.0	2468.0	1387.4	673.4	694.8
67.0	641.6	1351.4	2460.0	3184.0	3194.0	3184.0	2460.0	1351.4	641.6	674.6
67.5	610.4	1317.0	2462.0	3132.0	3232.0	3132.0	2462.0	1317.0	610.4	654.6
68.0	579.8	1283.4	2466.0	3068.0	3284.0	3068.0	2466.0	1283.4	579.8	634.6
68.5	550.4	1254.0	2482.0	3032.0	3270.0	3032.0	2482.0	1254.0	550.4	615.0
69.0	521.8	1229.0	2498.0	3014.0	3258.0	3014.0	2498.0	1229.0	521.8	595.4
69.5	494.4	1205.8	2506.0	3022.0	3264.0	3022.0	2506.0	1205.8	494.4	577.2
70.0	467.6	1185.2	2500.0	3020.0	3266.0	3020.0	2500.0	1185.2	467.6	558.8
70.5	441.6	1167.2	2494.0	2998.0	3272.0	2998.0	2494.0	1167.2	441.6	541.0
71.0	417.2	1150.8	2486.0	2972.0	3264.0	2972.0	2486.0	1150.8	417.2	524.2
71.5	393.4	1134.6	2468.0	2972.0	3236.0	2972.0	2468.0	1134.6	393.4	508.2
72.0	371.0	1119.2	2442.0	2998.0	3220.0	2998.0	2442.0	1119.2	371.0	492.6
72.5	349.2	1105.0	2408.0	3016.0	3226.0	3016.0	2408.0	1105.0	349.2	477.0
73.0	328.6	1091.6	2366.0	3008.0	3238.0	3008.0	2366.0	1091.6	328.6	462.0
73.5	308.2	1076.8	2326.0	2982.0	3244.0	2982.0	2326.0	1076.8	308.2	447.2
74.0	289.4	1060.4	2284.0	2948.0	3230.0	2948.0	2284.0	1060.4	289.4	431.8
74.5	271.6	1044.4	2250.0	2920.0	3226.0	2920.0	2250.0	1044.4	271.6	417.6
75.0	254.8	1028.4	2230.0	2906.0	3248.0	2906.0	2230.0	1028.4	254.8	403.0
75.5	238.4	1011.0	2214.0	2902.0	3266.0	2902.0	2214.0	1011.0	238.4	388.4
76.0	223.2	992.4	2202.0	2900.0	3244.0	2900.0	2202.0	992.4	223.2	373.0
76.5	208.4	972.0	2194.0	2896.0	3210.0	2896.0	2194.0	972.0	208.4	358.2
77.0	194.4	952.6	2186.0	2884.0	3162.0	2884.0	2186.0	952.6	194.4	343.4
77.5	181.2	934.6	2178.0	2866.0	3104.0	2866.0	2178.0	934.6	181.2	328.2
78.0	168.6	915.2	2166.0	2858.0	3056.0	2858.0	2166.0	915.2	168.6	313.2
78.5	156.4	895.8	2148.0	2858.0	3024.0	2858.0	2148.0	895.8	156.4	298.6
79.0	145.0	878.2	2126.0	2860.0	3034.0	2860.0	2126.0	878.2	145.0	283.8
79.5	134.2	859.4	2100.0	2874.0	3078.0	2874.0	2100.0	859.4	134.2	269.4
80.0	123.8	839.6	2082.0	2890.0	3112.0	2890.0	2082.0	839.6	123.8	255.4
80.5	114.0	821.4	2066.0	2918.0	3104.0	2918.0	2066.0	821.4	114.0	241.4
81.0	104.6	802.2	2056.0	2934.0	3082.0	2934.0	2056.0	802.2	104.6	228.0
81.5	96.0	783.4	2050.0	2930.0	3060.0	2930.0	2050.0	783.4	96.0	215.2
82.0	87.6	764.6	2052.0	2906.0	3026.0	2906.0	2052.0	764.6	87.6	202.8
82.5	79.8	747.2	2056.0	2874.0	2976.0	2874.0	2056.0	747.2	79.8	190.8

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83.0	72.4	731.2	2050.0	2834.0	2930.0	2834.0	2050.0	731.2	72.4	179.4
83.5	65.6	717.6	2042.0	2784.0	2900.0	2784.0	2042.0	717.6	65.6	168.6
84.0	59.2	705.0	2032.0	2748.0	2902.0	2748.0	2032.0	705.0	59.2	158.4
84.5	53.2	693.0	2018.0	2736.0	2898.0	2736.0	2018.0	693.0	53.2	148.6
85.0	47.6	682.6	2006.0	2736.0	2896.0	2736.0	2006.0	682.6	47.6	139.6
85.5	42.6	672.4	1993.2	2718.0	2906.0	2718.0	1993.2	672.4	42.6	131.2
86.0	38.0	662.6	1979.8	2694.0	2898.0	2694.0	1979.8	662.6	38.0	123.4
86.5	34.0	653.6	1969.8	2666.0	2876.0	2666.0	1969.8	653.6	34.0	116.2
87.0	30.4	644.6	1961.6	2646.0	2866.0	2646.0	1961.6	644.6	30.4	109.6
87.5	27.4	636.6	1955.0	2626.0	2866.0	2626.0	1955.0	636.6	27.4	103.8
88.0	24.6	630.0	1949.8	2600.0	2860.0	2600.0	1949.8	630.0	24.6	98.6
88.5	22.4	624.2	1951.6	2576.0	2834.0	2576.0	1951.6	624.2	22.4	94.2
89.0	20.6	618.2	1958.0	2566.0	2808.0	2566.0	1958.0	618.2	20.6	90.2
89.5	19.4	612.4	1959.6	2582.0	2816.0	2582.0	1959.6	612.4	19.4	87.0
90.0	18.4	608.6	1961.8	2602.0	2846.0	2602.0	1961.8	608.6	18.4	84.0
90.5	18.2	604.2	1966.6	2598.0	2838.0	2598.0	1966.6	604.2	18.2	81.8
91.0	18.4	599.6	1965.0	2580.0	2788.0	2580.0	1965.0	599.6	18.4	79.8
91.5	18.6	595.6	1955.6	2572.0	2792.0	2572.0	1955.6	595.6	18.6	78.0
92.0	19.2	592.2	1946.0	2584.0	2814.0	2584.0	1946.0	592.2	19.2	76.4
92.5	19.6	588.6	1936.0	2600.0	2840.0	2600.0	1936.0	588.6	19.6	75.0
93.0	20.2	585.6	1926.4	2608.0	2876.0	2608.0	1926.4	585.6	20.2	74.0
93.5	21.0	583.0	1914.2	2620.0	2890.0	2620.0	1914.2	583.0	21.0	73.0
94.0	21.6	580.4	1897.0	2614.0	2878.0	2614.0	1897.0	580.4	21.6	72.2
94.5	22.4	579.0	1883.4	2610.0	2856.0	2610.0	1883.4	579.0	22.4	71.6
95.0	23.2	577.2	1867.2	2594.0	2836.0	2594.0	1867.2	577.2	23.2	71.4
95.5	24.2	576.2	1849.0	2568.0	2810.0	2568.0	1849.0	576.2	24.2	71.6
96.0	25.0	576.0	1832.2	2542.0	2776.0	2542.0	1832.2	576.0	25.0	71.8
96.5	26.2	576.0	1816.8	2524.0	2760.0	2524.0	1816.8	576.0	26.2	72.6
97.0	27.2	575.6	1808.2	2510.0	2762.0	2510.0	1808.2	575.6	27.2	73.4
97.5	28.6	575.0	1805.4	2502.0	2760.0	2502.0	1805.4	575.0	28.6	74.6
98.0	30.0	575.2	1808.0	2512.0	2750.0	2512.0	1808.0	575.2	30.0	76.0
98.5	31.2	575.8	1814.6	2524.0	2748.0	2524.0	1814.6	575.8	31.2	77.6
99.0	32.6	576.6	1821.2	2524.0	2754.0	2524.0	1821.2	576.6	32.6	79.4
99.5	34.0	577.4	1829.8	2524.0	2742.0	2524.0	1829.8	577.4	34.0	81.4
100.0	35.6	579.0	1831.2	2536.0	2748.0	2536.0	1831.2	579.0	35.6	83.4
100.5	37.2	582.0	1828.2	2572.0	2794.0	2572.0	1828.2	582.0	37.2	85.6
101.0	38.8	585.0	1824.6	2608.0	2872.0	2608.0	1824.6	585.0	38.8	88.0
101.5	40.6	588.0	1821.6	2620.0	2938.0	2620.0	1821.6	588.0	40.6	90.2
102.0	42.2	591.2	1814.2	2604.0	2964.0	2604.0	1814.2	591.2	42.2	92.6
102.5	44.0	594.6	1808.8	2566.0	2912.0	2566.0	1808.8	594.6	44.0	94.8
103.0	46.0	597.8	1806.0	2546.0	2850.0	2546.0	1806.0	597.8	46.0	96.8
103.5	47.8	599.8	1800.8	2546.0	2816.0	2546.0	1800.8	599.8	47.8	98.6
104.0	49.8	601.2	1790.4	2554.0	2800.0	2554.0	1790.4	601.2	49.8	100.4
104.5	52.0	601.8	1779.6	2562.0	2802.0	2562.0	1779.6	601.8	52.0	102.0
105.0	54.2	602.0	1768.2	2556.0	2802.0	2556.0	1768.2	602.0	54.2	103.4
105.5	56.4	600.6	1757.2	2546.0	2804.0	2546.0	1757.2	600.6	56.4	104.8
106.0	58.8	599.6	1748.0	2524.0	2792.0	2524.0	1748.0	599.6	58.8	106.2
106.5	61.0	599.4	1738.4	2504.0	2756.0	2504.0	1738.4	599.4	61.0	107.6
107.0	63.4	599.2	1725.0	2496.0	2710.0	2496.0	1725.0	599.2	63.4	108.8
107.5	65.4	599.2	1712.8	2486.0	2692.0	2486.0	1712.8	599.2	65.4	109.8
108.0	67.6	600.2	1700.2	2474.0	2708.0	2474.0	1700.2	600.2	67.6	110.4
108.5	70.0	602.4	1693.6	2460.0	2716.0	2460.0	1693.6	602.4	70.0	110.6
109.0	72.2	605.2	1689.6	2436.0	2682.0	2436.0	1689.6	605.2	72.2	110.4
109.5	74.4	609.0	1684.4	2424.0	2646.0	2424.0	1684.4	609.0	74.4	110.4
110.0	76.6	612.2	1682.4	2432.0	2610.0	2432.0	1682.4	612.2	76.6	110.4
110.5	78.8	614.8	1681.4	2442.0	2588.0	2442.0	1681.4	614.8	78.8	110.2

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111.0	81.2	618.2	1681.2	2448.0	2588.0	2448.0	1681.2	618.2	81.2	110.2
111.5	83.4	619.2	1679.8	2442.0	2620.0	2442.0	1679.8	619.2	83.4	109.2
112.0	85.8	621.0	1679.6	2432.0	2630.0	2432.0	1679.6	621.0	85.8	108.0
112.5	88.2	621.4	1677.4	2416.0	2630.0	2416.0	1677.4	621.4	88.2	105.6
113.0	90.6	622.0	1667.0	2384.0	2640.0	2384.0	1667.0	622.0	90.6	101.6
113.5	93.2	621.8	1650.4	2350.0	2668.0	2350.0	1650.4	621.8	93.2	96.8
114.0	95.6	623.0	1630.0	2340.0	2686.0	2340.0	1630.0	623.0	95.6	90.8
114.5	98.0	624.6	1607.8	2348.0	2668.0	2348.0	1607.8	624.6	98.0	84.4
115.0	100.2	627.0	1587.2	2350.0	2622.0	2350.0	1587.2	627.0	100.2	78.4
115.5	102.6	630.4	1567.6	2334.0	2580.0	2334.0	1567.6	630.4	102.6	73.4
116.0	105.0	635.2	1548.4	2300.0	2572.0	2300.0	1548.4	635.2	105.0	67.8
116.5	107.2	641.0	1530.2	2260.0	2568.0	2260.0	1530.2	641.0	107.2	63.2
117.0	109.6	646.8	1509.4	2238.0	2520.0	2238.0	1509.4	646.8	109.6	59.8
117.5	112.2	651.2	1492.0	2226.0	2454.0	2226.0	1492.0	651.2	112.2	56.2
118.0	114.4	656.2	1479.4	2218.0	2398.0	2218.0	1479.4	656.2	114.4	52.2
118.5	117.2	661.8	1468.8	2194.0	2372.0	2194.0	1468.8	661.8	117.2	49.8
119.0	119.8	667.0	1458.0	2156.0	2354.0	2156.0	1458.0	667.0	119.8	47.6
119.5	122.2	670.0	1445.2	2114.0	2354.0	2114.0	1445.2	670.0	122.2	45.2
120.0	124.6	672.8	1433.2	2090.0	2356.0	2090.0	1433.2	672.8	124.6	43.8
120.5	127.0	675.8	1421.0	2086.0	2346.0	2086.0	1421.0	675.8	127.0	42.6
121.0	129.2	678.6	1407.2	2082.0	2312.0	2082.0	1407.2	678.6	129.2	41.2
121.5	131.4	680.2	1391.8	2060.0	2280.0	2060.0	1391.8	680.2	131.4	40.0
122.0	133.6	681.8	1375.8	2032.0	2250.0	2032.0	1375.8	681.8	133.6	38.8
122.5	135.8	683.2	1361.2	2012.0	2238.0	2012.0	1361.2	683.2	135.8	37.8
123.0	137.6	685.2	1345.6	2000.0	2222.0	2000.0	1345.6	685.2	137.6	36.6
123.5	138.8	688.2	1327.4	1991.6	2188.0	1991.6	1327.4	688.2	138.8	35.6
124.0	140.4	690.6	1312.8	1984.4	2140.0	1984.4	1312.8	690.6	140.4	34.4
124.5	142.0	693.8	1299.8	1980.0	2094.0	1980.0	1299.8	693.8	142.0	33.4
125.0	143.6	697.6	1285.0	1977.2	2072.0	1977.2	1285.0	697.6	143.6	32.2
125.5	145.0	701.8	1269.8	1974.0	2080.0	1974.0	1269.8	701.8	145.0	31.2
126.0	146.2	705.8	1252.8	1964.2	2104.0	1964.2	1252.8	705.8	146.2	30.4
126.5	147.4	708.6	1236.6	1943.2	2124.0	1943.2	1236.6	708.6	147.4	29.4
127.0	148.4	711.0	1224.2	1908.0	2132.0	1908.0	1224.2	711.0	148.4	28.4
127.5	149.8	712.8	1214.4	1860.2	2114.0	1860.2	1214.4	712.8	149.8	27.4
128.0	150.8	714.0	1206.6	1819.6	2076.0	1819.6	1206.6	714.0	150.8	26.6
128.5	151.6	714.8	1202.2	1804.2	2046.0	1804.2	1202.2	714.8	151.6	25.8
129.0	152.4	715.4	1201.4	1809.8	2020.0	1809.8	1201.4	715.4	152.4	24.8
129.5	152.6	716.0	1199.2	1814.6	1991.8	1814.6	1199.2	716.0	152.6	24.0
130.0	153.0	715.4	1197.4	1803.2	1966.0	1803.2	1197.4	715.4	153.0	23.4
130.5	153.0	714.2	1195.6	1779.0	1958.8	1779.0	1195.6	714.2	153.0	22.4
131.0	152.4	711.4	1197.6	1750.0	1959.8	1750.0	1197.6	711.4	152.4	21.8
131.5	151.6	708.6	1201.0	1730.4	1947.2	1730.4	1201.0	708.6	151.6	21.2
132.0	150.6	704.6	1207.0	1719.0	1924.8	1719.0	1207.0	704.6	150.6	20.6
132.5	149.0	699.4	1217.8	1705.6	1900.8	1705.6	1217.8	699.4	149.0	20.0
133.0	147.4	693.0	1229.8	1690.2	1887.6	1690.2	1229.8	693.0	147.4	19.4
133.5	145.6	685.8	1243.6	1675.8	1883.2	1675.8	1243.6	685.8	145.6	19.0
134.0	143.8	678.8	1260.0	1660.2	1884.4	1660.2	1260.0	678.8	143.8	18.6
134.5	142.0	671.0	1272.8	1638.0	1877.2	1638.0	1272.8	671.0	142.0	18.0
135.0	140.2	662.0	1281.2	1613.0	1850.6	1613.0	1281.2	662.0	140.2	17.8
135.5	138.4	653.4	1287.6	1590.8	1816.4	1590.8	1287.6	653.4	138.4	17.4
136.0	136.6	645.4	1288.2	1570.8	1785.2	1570.8	1288.2	645.4	136.6	17.2
136.5	135.2	638.2	1282.8	1551.6	1757.4	1551.6	1282.8	638.2	135.2	17.0
137.0	134.0	631.2	1275.2	1533.4	1731.2	1533.4	1275.2	631.2	134.0	16.8
137.5	132.8	623.0	1271.4	1522.0	1713.0	1522.0	1271.4	623.0	132.8	16.6
138.0	131.6	615.0	1265.6	1517.2	1703.4	1517.2	1265.6	615.0	131.6	16.6
138.5	130.6	608.2	1259.2	1511.6	1679.4	1511.6	1259.2	608.2	130.6	16.6

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139.0	129.6	601.8	1252.2	1496.8	1654.4	1496.8	1252.2	601.8	129.6	16.4
139.5	128.8	594.8	1242.0	1475.8	1644.8	1475.8	1242.0	594.8	128.8	16.4
140.0	128.2	586.6	1228.0	1459.6	1639.8	1459.6	1228.0	586.6	128.2	16.4
140.5	127.6	577.2	1214.2	1451.4	1629.6	1451.4	1214.2	577.2	127.6	16.4
141.0	127.0	567.8	1201.6	1452.6	1605.8	1452.6	1201.6	567.8	127.0	16.4
141.5	126.6	559.4	1189.2	1467.4	1572.8	1467.4	1189.2	559.4	126.6	16.4
142.0	126.2	549.6	1176.4	1487.8	1546.8	1487.8	1176.4	549.6	126.2	16.4
142.5	125.6	538.8	1162.4	1501.8	1526.2	1501.8	1162.4	538.8	125.6	15.8
143.0	125.0	527.6	1146.4	1505.0	1512.8	1505.0	1146.4	527.6	125.0	16.0
143.5	124.8	515.2	1126.2	1504.0	1516.2	1504.0	1126.2	515.2	124.8	16.8
144.0	124.2	503.8	1106.2	1506.8	1533.0	1506.8	1106.2	503.8	124.2	17.4
144.5	123.6	492.4	1087.6	1506.4	1539.8	1506.4	1087.6	492.4	123.6	18.4
145.0	123.2	480.8	1068.2	1495.8	1531.0	1495.8	1068.2	480.8	123.2	19.6
145.5	122.2	467.8	1049.4	1478.0	1523.6	1478.0	1049.4	467.8	122.2	21.0
146.0	121.4	455.4	1031.0	1461.8	1531.4	1461.8	1031.0	455.4	121.4	22.4
146.5	120.6	442.6	1013.2	1449.0	1527.4	1449.0	1013.2	442.6	120.6	23.8
147.0	120.0	428.8	998.2	1433.6	1504.0	1433.6	998.2	428.8	120.0	24.8
147.5	118.8	414.8	981.6	1407.6	1482.4	1407.6	981.6	414.8	118.8	25.8
148.0	118.2	400.8	964.2	1375.2	1471.2	1375.2	964.2	400.8	118.2	26.6
148.5	117.8	388.0	945.4	1345.2	1466.0	1345.2	945.4	388.0	117.8	27.6
149.0	117.0	375.0	925.2	1313.8	1446.8	1313.8	925.2	375.0	117.0	28.6
149.5	116.2	361.6	901.0	1270.8	1412.0	1270.8	901.0	361.6	116.2	29.8
150.0	115.4	348.4	874.8	1228.2	1382.6	1228.2	874.8	348.4	115.4	31.0
150.5	114.8	335.0	845.4	1195.2	1357.8	1195.2	845.4	335.0	114.8	32.0
151.0	114.0	323.0	815.2	1165.0	1315.2	1165.0	815.2	323.0	114.0	33.0
151.5	112.8	312.0	785.8	1140.0	1268.0	1140.0	785.8	312.0	112.8	33.8
152.0	112.2	301.0	756.8	1120.6	1228.4	1120.6	756.8	301.0	112.2	34.6
152.5	111.6	291.0	730.4	1100.4	1192.2	1100.4	730.4	291.0	111.6	35.2
153.0	110.8	281.6	704.0	1083.2	1163.0	1083.2	704.0	281.6	110.8	35.8
153.5	110.2	273.0	680.2	1063.6	1144.6	1063.6	680.2	273.0	110.2	36.4
154.0	109.6	265.4	658.8	1041.2	1126.0	1041.2	658.8	265.4	109.6	37.2
154.5	109.0	258.2	637.6	1013.6	1105.8	1013.6	637.6	258.2	109.0	38.0
155.0	108.2	252.0	616.0	980.6	1087.2	980.6	616.0	252.0	108.2	38.8
155.5	107.4	246.0	594.2	942.4	1065.0	942.4	594.2	246.0	107.4	39.6
156.0	106.6	241.0	572.0	901.0	1035.2	901.0	572.0	241.0	106.6	40.6
156.5	106.0	236.6	547.0	863.0	996.0	863.0	547.0	236.6	106.0	41.4
157.0	105.4	231.8	519.8	832.0	952.8	832.0	519.8	231.8	105.4	42.4
157.5	104.4	227.2	491.4	804.2	904.4	804.2	491.4	227.2	104.4	43.8
158.0	103.6	222.8	465.2	773.4	861.6	773.4	465.2	222.8	103.6	45.2
158.5	102.6	218.4	440.6	739.6	830.4	739.6	440.6	218.4	102.6	46.4
159.0	101.8	214.6	419.8	705.8	806.0	705.8	419.8	214.6	101.8	47.8
159.5	101.4	210.4	401.2	676.2	776.4	676.2	401.2	210.4	101.4	49.2
160.0	101.0	206.0	384.0	650.6	741.2	650.6	384.0	206.0	101.0	50.8
160.5	101.0	202.0	367.4	624.8	703.6	624.8	367.4	202.0	101.0	52.2
161.0	100.8	197.8	352.6	596.2	671.6	596.2	352.6	197.8	100.8	53.2
161.5	101.0	193.8	340.0	562.4	644.4	562.4	340.0	193.8	101.0	54.4
162.0	100.6	190.4	328.6	527.8	617.2	527.8	328.6	190.4	100.6	55.6
162.5	100.4	187.0	318.2	493.4	587.8	493.4	318.2	187.0	100.4	56.8
163.0	100.4	183.6	308.4	459.2	555.4	459.2	308.4	183.6	100.4	57.8
163.5	101.2	180.6	299.4	428.6	523.0	428.6	299.4	180.6	101.2	59.0
164.0	102.2	177.2	291.6	403.4	489.4	403.4	291.6	177.2	102.2	60.6
164.5	103.0	173.8	282.0	383.2	457.2	383.2	282.0	173.8	103.0	62.2
165.0	103.8	170.2	273.0	366.2	430.2	366.2	273.0	170.2	103.8	63.8
165.5	104.8	166.0	263.2	351.0	410.4	351.0	263.2	166.0	104.8	65.0
166.0	106.0	161.8	253.6	336.8	396.2	336.8	253.6	161.8	106.0	66.4
166.5	106.8	158.2	244.0	323.6	383.6	323.6	244.0	158.2	106.8	67.6

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CANDELA TABULATION - (Cont.)

167.0	107.6	154.6	234.8	311.0	372.0	311.0	234.8	154.6	107.6	68.8
167.5	108.2	151.6	226.0	299.4	361.0	299.4	226.0	151.6	108.2	70.2
168.0	109.0	148.8	218.2	287.6	351.0	287.6	218.2	148.8	109.0	71.6
168.5	110.0	146.2	211.6	275.8	340.8	275.8	211.6	146.2	110.0	73.0
169.0	110.4	143.8	205.2	262.6	329.8	262.6	205.2	143.8	110.4	74.2
169.5	110.4	141.2	198.0	249.0	319.2	249.0	198.0	141.2	110.4	75.8
170.0	110.6	138.6	190.4	234.8	304.0	234.8	190.4	138.6	110.6	77.4
170.5	111.2	136.6	182.6	220.8	289.6	220.8	182.6	136.6	111.2	78.8
171.0	111.8	134.4	175.2	208.6	275.0	208.6	175.2	134.4	111.8	80.2
171.5	112.4	132.4	167.8	198.4	260.8	198.4	167.8	132.4	112.4	81.6
172.0	112.6	130.4	160.4	189.2	246.4	189.2	160.4	130.4	112.6	83.2
172.5	112.8	129.0	153.0	179.2	230.8	179.2	153.0	129.0	112.8	84.6
173.0	112.8	127.6	146.6	168.0	207.4	168.0	146.6	127.6	112.8	86.2
173.5	113.6	126.2	141.0	156.8	178.0	156.8	141.0	126.2	113.6	87.6
174.0	114.0	125.0	136.4	146.4	140.4	146.4	136.4	125.0	114.0	89.2
174.5	114.4	123.6	132.4	136.8	100.8	136.8	132.4	123.6	114.4	90.6
175.0	114.4	122.6	129.4	128.6	85.0	128.6	129.4	122.6	114.4	92.2
175.5	114.8	121.4	126.6	121.8	77.0	121.8	126.6	121.4	114.8	93.8
176.0	115.2	120.4	123.4	115.8	73.2	115.8	123.4	120.4	115.2	95.6
176.5	115.6	119.4	120.8	110.0	70.2	110.0	120.8	119.4	115.6	97.6
177.0	115.8	118.2	118.6	104.0	67.0	104.0	118.6	118.2	115.8	99.6
177.5	116.0	116.8	116.4	98.4	64.0	98.4	116.4	116.8	116.0	101.2
178.0	116.2	115.2	113.8	93.0	61.0	93.0	113.8	115.2	116.2	103.0
178.5	116.4	114.0	111.2	87.8	58.6	87.8	111.2	114.0	116.4	104.8
179.0	116.6	112.8	108.4	82.6	56.2	82.6	108.4	112.8	116.6	106.8
179.5	117.0	111.4	105.6	77.8	54.0	77.8	105.6	111.4	117.0	108.4
180.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0	2816.0
0.5	2828.0	2838.0	2844.0	2838.0	2828.0	2812.0	2802.0
1.0	2844.0	2868.0	2882.0	2868.0	2844.0	2820.0	2802.0
1.5	2862.0	2888.0	2902.0	2888.0	2862.0	2826.0	2802.0
2.0	2880.0	2896.0	2898.0	2896.0	2880.0	2834.0	2802.0
2.5	2892.0	2884.0	2882.0	2884.0	2892.0	2842.0	2798.0
3.0	2888.0	2866.0	2854.0	2866.0	2888.0	2850.0	2802.0
3.5	2878.0	2838.0	2824.0	2838.0	2878.0	2858.0	2798.0
4.0	2862.0	2808.0	2784.0	2808.0	2862.0	2860.0	2796.0
4.5	2842.0	2772.0	2758.0	2772.0	2842.0	2866.0	2798.0
5.0	2820.0	2756.0	2768.0	2756.0	2820.0	2868.0	2794.0
5.5	2792.0	2760.0	2782.0	2760.0	2792.0	2868.0	2790.0
6.0	2764.0	2766.0	2776.0	2766.0	2764.0	2866.0	2788.0
6.5	2752.0	2766.0	2768.0	2766.0	2752.0	2862.0	2788.0
7.0	2746.0	2758.0	2754.0	2758.0	2746.0	2850.0	2786.0
7.5	2744.0	2754.0	2754.0	2754.0	2744.0	2838.0	2782.0
8.0	2748.0	2748.0	2764.0	2748.0	2748.0	2830.0	2780.0
8.5	2748.0	2746.0	2800.0	2746.0	2748.0	2818.0	2774.0
9.0	2742.0	2770.0	2870.0	2770.0	2742.0	2802.0	2770.0
9.5	2738.0	2814.0	2926.0	2814.0	2738.0	2784.0	2768.0
10.0	2730.0	2874.0	2952.0	2874.0	2730.0	2766.0	2764.0
10.5	2726.0	2922.0	2916.0	2922.0	2726.0	2752.0	2762.0
11.0	2722.0	2934.0	2858.0	2934.0	2722.0	2734.0	2756.0
11.5	2730.0	2900.0	2822.0	2900.0	2730.0	2722.0	2748.0
12.0	2748.0	2848.0	2806.0	2848.0	2748.0	2710.0	2744.0

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CANDELA TABULATION - (Cont.)

12.5	2778.0	2810.0	2800.0	2810.0	2778.0	2696.0	2744.0
13.0	2818.0	2792.0	2800.0	2792.0	2818.0	2688.0	2740.0
13.5	2852.0	2784.0	2824.0	2784.0	2852.0	2674.0	2732.0
14.0	2874.0	2782.0	2820.0	2782.0	2874.0	2668.0	2724.0
14.5	2868.0	2802.0	2766.0	2802.0	2868.0	2662.0	2724.0
15.0	2846.0	2806.0	2730.0	2806.0	2846.0	2662.0	2716.0
15.5	2810.0	2778.0	2714.0	2778.0	2810.0	2656.0	2708.0
16.0	2770.0	2734.0	2726.0	2734.0	2770.0	2648.0	2704.0
16.5	2742.0	2708.0	2734.0	2708.0	2742.0	2644.0	2696.0
17.0	2728.0	2702.0	2694.0	2702.0	2728.0	2634.0	2690.0
17.5	2720.0	2708.0	2650.0	2708.0	2720.0	2630.0	2680.0
18.0	2716.0	2696.0	2608.0	2696.0	2716.0	2618.0	2674.0
18.5	2724.0	2664.0	2590.0	2664.0	2724.0	2612.0	2660.0
19.0	2724.0	2628.0	2592.0	2628.0	2724.0	2604.0	2654.0
19.5	2718.0	2596.0	2610.0	2596.0	2718.0	2598.0	2642.0
20.0	2704.0	2574.0	2616.0	2574.0	2704.0	2590.0	2632.0
20.5	2676.0	2570.0	2624.0	2570.0	2676.0	2580.0	2616.0
21.0	2646.0	2582.0	2638.0	2582.0	2646.0	2574.0	2606.0
21.5	2622.0	2594.0	2660.0	2594.0	2622.0	2564.0	2598.0
22.0	2606.0	2596.0	2678.0	2596.0	2606.0	2560.0	2586.0
22.5	2596.0	2602.0	2668.0	2602.0	2596.0	2560.0	2578.0
23.0	2588.0	2614.0	2628.0	2614.0	2588.0	2556.0	2564.0
23.5	2574.0	2630.0	2594.0	2630.0	2574.0	2556.0	2554.0
24.0	2556.0	2624.0	2580.0	2624.0	2556.0	2554.0	2544.0
24.5	2530.0	2596.0	2562.0	2596.0	2530.0	2550.0	2536.0
25.0	2498.0	2558.0	2508.0	2558.0	2498.0	2550.0	2526.0
25.5	2472.0	2534.0	2448.0	2534.0	2472.0	2544.0	2512.0
26.0	2460.0	2528.0	2404.0	2528.0	2460.0	2534.0	2500.0
26.5	2456.0	2506.0	2364.0	2506.0	2456.0	2520.0	2490.0
27.0	2458.0	2458.0	2350.0	2458.0	2458.0	2502.0	2480.0
27.5	2456.0	2412.0	2352.0	2412.0	2456.0	2480.0	2466.0
28.0	2450.0	2368.0	2350.0	2368.0	2450.0	2462.0	2456.0
28.5	2438.0	2332.0	2334.0	2332.0	2438.0	2438.0	2444.0
29.0	2428.0	2318.0	2300.0	2318.0	2428.0	2420.0	2432.0
29.5	2412.0	2314.0	2264.0	2314.0	2412.0	2402.0	2418.0
30.0	2394.0	2306.0	2242.0	2306.0	2394.0	2388.0	2404.0
30.5	2364.0	2286.0	2234.0	2286.0	2364.0	2378.0	2402.0
31.0	2338.0	2248.0	2216.0	2248.0	2338.0	2368.0	2390.0
31.5	2312.0	2216.0	2172.0	2216.0	2312.0	2356.0	2376.0
32.0	2296.0	2194.0	2114.0	2194.0	2296.0	2342.0	2362.0
32.5	2288.0	2180.0	2074.0	2180.0	2288.0	2328.0	2348.0
33.0	2280.0	2166.0	2070.0	2166.0	2280.0	2314.0	2336.0
33.5	2268.0	2140.0	2090.0	2140.0	2268.0	2300.0	2322.0
34.0	2246.0	2098.0	2108.0	2098.0	2246.0	2284.0	2308.0
34.5	2218.0	2058.0	2116.0	2058.0	2218.0	2268.0	2294.0
35.0	2188.0	2038.0	2116.0	2038.0	2188.0	2252.0	2282.0
35.5	2158.0	2038.0	2098.0	2038.0	2158.0	2236.0	2268.0
36.0	2134.0	2044.0	2070.0	2044.0	2134.0	2220.0	2256.0
36.5	2112.0	2048.0	2054.0	2048.0	2112.0	2204.0	2242.0
37.0	2092.0	2052.0	2036.0	2052.0	2092.0	2188.0	2228.0
37.5	2064.0	2048.0	2000.0	2048.0	2064.0	2170.0	2214.0
38.0	2032.0	2034.0	1968.8	2034.0	2032.0	2150.0	2198.0
38.5	1996.6	2010.0	1955.8	2010.0	1996.6	2128.0	2184.0
39.0	1964.2	1982.0	1945.4	1982.0	1964.2	2102.0	2168.0
39.5	1937.4	1945.6	1930.4	1945.6	1937.4	2076.0	2152.0
40.0	1919.6	1905.2	1912.2	1905.2	1919.6	2050.0	2136.0

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CANDELA TABULATION - (Cont.)

40.5	1904.4	1874.8	1901.0	1874.8	1904.4	2020.0	2118.0
41.0	1886.8	1863.4	1893.6	1863.4	1886.8	1992.0	2102.0
41.5	1869.2	1856.4	1885.2	1856.4	1869.2	1964.4	2084.0
42.0	1853.8	1842.8	1878.0	1842.8	1853.8	1936.6	2068.0
42.5	1838.4	1820.0	1866.4	1820.0	1838.4	1908.8	2050.0
43.0	1821.6	1795.4	1844.4	1795.4	1821.6	1882.8	2034.0
43.5	1800.6	1774.8	1815.0	1774.8	1800.6	1859.6	2014.0
44.0	1772.6	1756.2	1783.6	1756.2	1772.6	1836.4	1995.4
44.5	1739.8	1740.2	1755.8	1740.2	1739.8	1812.4	1974.4
45.0	1707.4	1723.0	1737.8	1723.0	1707.4	1788.6	1951.6
45.5	1678.4	1707.0	1731.6	1707.0	1678.4	1765.2	1928.2
46.0	1655.4	1691.4	1710.0	1691.4	1655.4	1740.6	1903.0
46.5	1637.2	1671.0	1676.4	1671.0	1637.2	1715.6	1876.6
47.0	1619.0	1645.4	1644.6	1645.4	1619.0	1689.0	1849.2
47.5	1600.0	1622.6	1635.6	1622.6	1600.0	1662.2	1821.4
48.0	1576.2	1604.4	1634.2	1604.4	1576.2	1637.8	1793.0
48.5	1548.2	1585.4	1626.6	1585.4	1548.2	1615.4	1764.0
49.0	1515.2	1560.4	1601.8	1560.4	1515.2	1594.8	1736.8
49.5	1480.8	1534.0	1573.2	1534.0	1480.8	1573.8	1708.4
50.0	1447.2	1517.6	1546.0	1517.6	1447.2	1552.0	1679.6
50.5	1416.8	1510.0	1520.0	1510.0	1416.8	1529.0	1650.8
51.0	1393.0	1505.2	1507.6	1505.2	1393.0	1504.4	1620.8
51.5	1371.0	1489.4	1511.6	1489.4	1371.0	1479.6	1590.8
52.0	1348.6	1467.8	1528.4	1467.8	1348.6	1453.2	1562.0
52.5	1323.8	1449.2	1545.4	1449.2	1323.8	1424.6	1532.0
53.0	1295.8	1439.8	1549.8	1439.8	1295.8	1396.0	1501.8
53.5	1264.6	1439.2	1557.4	1439.2	1264.6	1367.8	1471.6
54.0	1235.6	1447.0	1571.2	1447.0	1235.6	1340.8	1441.2
54.5	1210.4	1458.6	1572.6	1458.6	1210.4	1315.0	1412.4
55.0	1190.0	1463.8	1556.8	1463.8	1190.0	1288.8	1383.2
55.5	1171.4	1459.0	1540.8	1459.0	1171.4	1263.0	1354.6
56.0	1154.2	1448.2	1528.4	1448.2	1154.2	1237.2	1326.2
56.5	1138.4	1438.2	1517.2	1438.2	1138.4	1210.6	1297.4
57.0	1124.4	1429.6	1493.8	1429.6	1124.4	1183.6	1267.8
57.5	1110.8	1417.4	1460.8	1417.4	1110.8	1155.8	1238.2
58.0	1098.6	1399.6	1429.8	1399.6	1098.6	1126.6	1208.0
58.5	1090.2	1381.0	1395.6	1381.0	1090.2	1098.0	1178.2
59.0	1084.0	1362.0	1355.4	1362.0	1084.0	1068.6	1148.2
59.5	1080.4	1341.8	1311.8	1341.8	1080.4	1039.2	1118.2
60.0	1080.0	1318.8	1274.2	1318.8	1080.0	1010.2	1087.8
60.5	1081.0	1292.4	1238.2	1292.4	1081.0	980.8	1057.0
61.0	1080.4	1262.4	1202.4	1262.4	1080.4	951.8	1025.6
61.5	1077.8	1229.8	1171.0	1229.8	1077.8	923.4	994.0
62.0	1073.2	1193.0	1146.8	1193.0	1073.2	896.4	962.6
62.5	1066.0	1156.8	1124.4	1156.8	1066.0	870.2	930.2
63.0	1057.4	1125.8	1107.4	1125.8	1057.4	845.2	898.2
63.5	1047.2	1099.0	1087.2	1099.0	1047.2	821.8	865.6
64.0	1034.2	1075.4	1055.4	1075.4	1034.2	799.0	833.4
64.5	1016.0	1051.2	1012.4	1051.2	1016.0	777.4	801.4
65.0	995.4	1025.0	965.6	1025.0	995.4	756.0	769.4
65.5	973.0	997.6	923.6	997.6	973.0	735.6	737.4
66.0	950.2	969.2	887.6	969.2	950.2	715.4	705.6
66.5	927.0	940.8	856.6	940.8	927.0	694.8	673.4
67.0	905.8	912.6	831.6	912.6	905.8	674.6	641.6
67.5	887.4	880.8	799.8	880.8	887.4	654.6	610.4
68.0	871.8	845.8	765.0	845.8	871.8	634.6	579.8

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

68.5	857.0	809.6	729.6	809.6	857.0	615.0	550.4
69.0	842.2	775.8	696.6	775.8	842.2	595.4	521.8
69.5	826.2	745.2	665.4	745.2	826.2	577.2	494.4
70.0	807.6	717.8	637.2	717.8	807.6	558.8	467.6
70.5	785.6	693.0	608.6	693.0	785.6	541.0	441.6
71.0	761.6	667.4	578.4	667.4	761.6	524.2	417.2
71.5	736.8	643.0	549.6	643.0	736.8	508.2	393.4
72.0	712.6	618.2	521.6	618.2	712.6	492.6	371.0
72.5	687.8	591.6	491.6	591.6	687.8	477.0	349.2
73.0	663.8	561.6	461.8	561.6	663.8	462.0	328.6
73.5	639.8	529.0	439.6	529.0	639.8	447.2	308.2
74.0	616.2	496.6	425.6	496.6	616.2	431.8	289.4
74.5	593.2	467.0	417.6	467.0	593.2	417.6	271.6
75.0	571.6	443.0	409.2	443.0	571.6	403.0	254.8
75.5	551.8	423.6	399.0	423.6	551.8	388.4	238.4
76.0	532.4	404.0	389.2	404.0	532.4	373.0	223.2
76.5	513.0	384.2	381.6	384.2	513.0	358.2	208.4
77.0	494.2	366.2	373.4	366.2	494.2	343.4	194.4
77.5	475.2	350.8	364.0	350.8	475.2	328.2	181.2
78.0	456.0	338.0	354.0	338.0	456.0	313.2	168.6
78.5	437.6	327.2	341.8	327.2	437.6	298.6	156.4
79.0	420.0	317.2	328.2	317.2	420.0	283.8	145.0
79.5	403.2	308.6	315.6	308.6	403.2	269.4	134.2
80.0	387.2	300.6	304.0	300.6	387.2	255.4	123.8
80.5	371.8	293.0	296.0	293.0	371.8	241.4	114.0
81.0	357.4	285.0	288.0	285.0	357.4	228.0	104.6
81.5	343.0	277.6	278.4	277.6	343.0	215.2	96.0
82.0	329.6	269.6	268.2	269.6	329.6	202.8	87.6
82.5	316.6	261.2	255.6	261.2	316.6	190.8	79.8
83.0	304.0	252.4	242.8	252.4	304.0	179.4	72.4
83.5	292.2	244.0	230.8	244.0	292.2	168.6	65.6
84.0	280.6	236.2	221.0	236.2	280.6	158.4	59.2
84.5	269.8	228.6	213.2	228.6	269.8	148.6	53.2
85.0	259.0	221.4	205.8	221.4	259.0	139.6	47.6
85.5	248.4	214.0	198.4	214.0	248.4	131.2	42.6
86.0	238.4	207.0	190.8	207.0	238.4	123.4	38.0
86.5	228.6	200.4	183.4	200.4	228.6	116.2	34.0
87.0	219.4	194.0	176.4	194.0	219.4	109.6	30.4
87.5	210.6	187.8	169.8	187.8	210.6	103.8	27.4
88.0	202.6	182.6	163.0	182.6	202.6	98.6	24.6
88.5	194.8	177.4	156.2	177.4	194.8	94.2	22.4
89.0	187.6	171.8	149.6	171.8	187.6	90.2	20.6
89.5	181.0	166.6	143.4	166.6	181.0	87.0	19.4
90.0	174.8	161.4	136.2	161.4	174.8	84.0	18.4
90.5	169.2	156.0	130.0	156.0	169.2	81.8	18.2
91.0	164.2	150.0	124.6	150.0	164.2	79.8	18.4
91.5	160.2	143.8	119.4	143.8	160.2	78.0	18.6
92.0	156.8	138.0	114.6	138.0	156.8	76.4	19.2
92.5	152.8	132.8	110.4	132.8	152.8	75.0	19.6
93.0	149.8	128.2	106.6	128.2	149.8	74.0	20.2
93.5	146.8	123.8	103.4	123.8	146.8	73.0	21.0
94.0	143.6	119.6	100.2	119.6	143.6	72.2	21.6
94.5	140.0	115.6	97.4	115.6	140.0	71.6	22.4
95.0	136.8	111.8	94.8	111.8	136.8	71.4	23.2
95.5	133.4	108.6	92.0	108.6	133.4	71.6	24.2
96.0	130.6	105.4	90.0	105.4	130.6	71.8	25.0

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

96.5	127.8	102.2	88.2	102.2	127.8	72.6	26.2
97.0	125.0	99.4	87.2	99.4	125.0	73.4	27.2
97.5	123.0	97.2	86.0	97.2	123.0	74.6	28.6
98.0	120.8	95.2	85.2	95.2	120.8	76.0	30.0
98.5	119.4	93.8	84.6	93.8	119.4	77.6	31.2
99.0	117.8	92.8	84.2	92.8	117.8	79.4	32.6
99.5	116.4	92.4	84.6	92.4	116.4	81.4	34.0
100.0	115.2	92.0	84.8	92.0	115.2	83.4	35.6
100.5	113.8	92.2	85.2	92.2	113.8	85.6	37.2
101.0	112.4	92.0	85.2	92.0	112.4	88.0	38.8
101.5	111.4	91.6	85.6	91.6	111.4	90.2	40.6
102.0	110.4	91.6	86.0	91.6	110.4	92.6	42.2
102.5	109.8	91.6	86.0	91.6	109.8	94.8	44.0
103.0	109.4	91.6	86.0	91.6	109.4	96.8	46.0
103.5	109.4	91.4	86.2	91.4	109.4	98.6	47.8
104.0	109.4	91.4	86.2	91.4	109.4	100.4	49.8
104.5	109.8	91.4	86.6	91.4	109.8	102.0	52.0
105.0	110.2	91.6	87.0	91.6	110.2	103.4	54.2
105.5	110.8	92.0	87.6	92.0	110.8	104.8	56.4
106.0	111.2	92.6	88.6	92.6	111.2	106.2	58.8
106.5	111.8	93.4	89.4	93.4	111.8	107.6	61.0
107.0	112.4	94.2	90.2	94.2	112.4	108.8	63.4
107.5	112.8	95.2	91.4	95.2	112.8	109.8	65.4
108.0	113.4	96.0	92.4	96.0	113.4	110.4	67.6
108.5	114.0	97.2	93.8	97.2	114.0	110.6	70.0
109.0	114.8	98.0	95.0	98.0	114.8	110.4	72.2
109.5	115.6	99.0	96.2	99.0	115.6	110.4	74.4
110.0	116.6	99.8	97.6	99.8	116.6	110.4	76.6
110.5	117.4	100.4	98.6	100.4	117.4	110.2	78.8
111.0	118.8	101.0	99.8	101.0	118.8	110.2	81.2
111.5	120.0	101.4	100.6	101.4	120.0	109.2	83.4
112.0	121.2	101.6	101.4	101.6	121.2	108.0	85.8
112.5	122.4	101.8	102.2	101.8	122.4	105.6	88.2
113.0	123.8	102.2	102.6	102.2	123.8	101.6	90.6
113.5	125.0	102.4	103.0	102.4	125.0	96.8	93.2
114.0	126.0	102.8	103.0	102.8	126.0	90.8	95.6
114.5	127.0	103.0	103.2	103.0	127.0	84.4	98.0
115.0	128.0	103.4	103.2	103.4	128.0	78.4	100.2
115.5	129.0	104.0	103.0	104.0	129.0	73.4	102.6
116.0	129.8	104.6	103.0	104.6	129.8	67.8	105.0
116.5	130.6	105.2	103.0	105.2	130.6	63.2	107.2
117.0	131.4	106.2	103.4	106.2	131.4	59.8	109.6
117.5	132.0	107.2	104.0	107.2	132.0	56.2	112.2
118.0	132.6	108.0	104.6	108.0	132.6	52.2	114.4
118.5	133.0	109.0	105.2	109.0	133.0	49.8	117.2
119.0	133.6	110.0	106.2	110.0	133.6	47.6	119.8
119.5	133.8	110.6	106.8	110.6	133.8	45.2	122.2
120.0	134.0	111.6	107.6	111.6	134.0	43.8	124.6
120.5	134.0	112.2	108.4	112.2	134.0	42.6	127.0
121.0	133.4	112.8	109.2	112.8	133.4	41.2	129.2
121.5	132.4	113.4	109.8	113.4	132.4	40.0	131.4
122.0	131.4	113.8	110.2	113.8	131.4	38.8	133.6
122.5	130.0	114.4	110.6	114.4	130.0	37.8	135.8
123.0	128.6	114.8	111.2	114.8	128.6	36.6	137.6
123.5	126.8	115.2	111.6	115.2	126.8	35.6	138.8
124.0	125.4	115.6	112.0	115.6	125.4	34.4	140.4

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CANDELA TABULATION - (Cont.)

124.5	124.0	116.0	112.4	116.0	124.0	33.4	142.0
125.0	122.8	116.2	112.8	116.2	122.8	32.2	143.6
125.5	121.8	116.8	113.0	116.8	121.8	31.2	145.0
126.0	120.4	117.2	113.2	117.2	120.4	30.4	146.2
126.5	118.8	117.2	113.6	117.2	118.8	29.4	147.4
127.0	117.0	117.4	113.8	117.4	117.0	28.4	148.4
127.5	113.6	117.2	114.0	117.2	113.6	27.4	149.8
128.0	109.8	116.8	114.4	116.8	109.8	26.6	150.8
128.5	105.0	116.4	114.8	116.4	105.0	25.8	151.6
129.0	99.2	115.6	114.6	115.6	99.2	24.8	152.4
129.5	93.2	114.8	114.6	114.8	93.2	24.0	152.6
130.0	87.2	114.0	114.2	114.0	87.2	23.4	153.0
130.5	81.4	113.0	113.8	113.0	81.4	22.4	153.0
131.0	76.4	112.0	113.2	112.0	76.4	21.8	152.4
131.5	71.8	111.2	112.4	111.2	71.8	21.2	151.6
132.0	67.4	110.4	111.8	110.4	67.4	20.6	150.6
132.5	63.0	109.8	111.0	109.8	63.0	20.0	149.0
133.0	59.2	109.4	110.4	109.4	59.2	19.4	147.4
133.5	55.0	109.2	109.6	109.2	55.0	19.0	145.6
134.0	52.2	108.4	109.0	108.4	52.2	18.6	143.8
134.5	49.4	106.4	108.4	106.4	49.4	18.0	142.0
135.0	46.8	104.6	108.2	104.6	46.8	17.8	140.2
135.5	44.8	101.4	107.8	101.4	44.8	17.4	138.4
136.0	43.2	96.8	107.4	96.8	43.2	17.2	136.6
136.5	42.0	92.2	106.0	92.2	42.0	17.0	135.2
137.0	40.8	87.6	104.0	87.6	40.8	16.8	134.0
137.5	39.8	82.4	101.6	82.4	39.8	16.6	132.8
138.0	38.8	77.6	97.4	77.6	38.8	16.6	131.6
138.5	37.6	73.0	92.4	73.0	37.6	16.6	130.6
139.0	36.6	68.4	88.2	68.4	36.6	16.4	129.6
139.5	35.6	64.0	83.4	64.0	35.6	16.4	128.8
140.0	34.6	59.6	78.6	59.6	34.6	16.4	128.2
140.5	33.4	55.4	74.0	55.4	33.4	16.4	127.6
141.0	32.6	52.0	69.4	52.0	32.6	16.4	127.0
141.5	31.6	48.6	64.6	48.6	31.6	16.4	126.6
142.0	30.6	46.0	60.0	46.0	30.6	16.4	126.2
142.5	29.2	43.2	55.2	43.2	29.2	15.8	125.6
143.0	28.2	40.6	51.4	40.6	28.2	16.0	125.0
143.5	27.6	39.4	48.0	39.4	27.6	16.8	124.8
144.0	26.8	38.4	45.2	38.4	26.8	17.4	124.2
144.5	26.0	37.2	42.6	37.2	26.0	18.4	123.6
145.0	25.4	36.2	39.8	36.2	25.4	19.6	123.2
145.5	24.6	35.0	38.2	35.0	24.6	21.0	122.2
146.0	23.8	33.8	37.0	33.8	23.8	22.4	121.4
146.5	23.2	32.6	35.8	32.6	23.2	23.8	120.6
147.0	22.4	31.2	34.6	31.2	22.4	24.8	120.0
147.5	21.6	30.2	33.2	30.2	21.6	25.8	118.8
148.0	21.0	29.0	32.0	29.0	21.0	26.6	118.2
148.5	20.4	28.0	30.6	28.0	20.4	27.6	117.8
149.0	20.0	26.8	29.4	26.8	20.0	28.6	117.0
149.5	19.4	25.8	28.2	25.8	19.4	29.8	116.2
150.0	18.8	24.8	27.2	24.8	18.8	31.0	115.4
150.5	18.4	23.8	25.8	23.8	18.4	32.0	114.8
151.0	18.0	22.8	24.8	22.8	18.0	33.0	114.0
151.5	17.6	21.8	23.8	21.8	17.6	33.8	112.8
152.0	17.2	21.0	22.6	21.0	17.2	34.6	112.2

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CANDELA TABULATION - (Cont.)

152.5	17.0	20.0	21.6	20.0	17.0	35.2	111.6
153.0	16.6	19.2	20.8	19.2	16.6	35.8	110.8
153.5	16.4	18.4	19.8	18.4	16.4	36.4	110.2
154.0	16.4	17.6	18.8	17.6	16.4	37.2	109.6
154.5	16.2	17.0	17.8	17.0	16.2	38.0	109.0
155.0	16.2	16.4	17.2	16.4	16.2	38.8	108.2
155.5	16.0	16.0	16.4	16.0	16.0	39.6	107.4
156.0	16.0	15.4	15.6	15.4	16.0	40.6	106.6
156.5	15.8	14.8	15.0	14.8	15.8	41.4	106.0
157.0	15.6	14.4	14.2	14.4	15.6	42.4	105.4
157.5	15.6	13.8	13.6	13.8	15.6	43.8	104.4
158.0	16.0	13.4	12.8	13.4	16.0	45.2	103.6
158.5	16.8	13.2	12.6	13.2	16.8	46.4	102.6
159.0	17.8	13.0	12.2	13.0	17.8	47.8	101.8
159.5	19.0	12.8	11.8	12.8	19.0	49.2	101.4
160.0	20.0	12.8	11.6	12.8	20.0	50.8	101.0
160.5	21.0	12.6	11.2	12.6	21.0	52.2	101.0
161.0	22.0	12.4	10.8	12.4	22.0	53.2	100.8
161.5	23.4	12.0	10.8	12.0	23.4	54.4	101.0
162.0	25.0	11.8	10.4	11.8	25.0	55.6	100.6
162.5	27.0	11.6	10.2	11.6	27.0	56.8	100.4
163.0	28.4	12.4	10.2	12.4	28.4	57.8	100.4
163.5	29.8	13.4	10.0	13.4	29.8	59.0	101.2
164.0	31.0	14.6	10.2	14.6	31.0	60.6	102.2
164.5	31.8	15.6	10.6	15.6	31.8	62.2	103.0
165.0	33.0	16.8	11.0	16.8	33.0	63.8	103.8
165.5	34.4	18.4	11.4	18.4	34.4	65.0	104.8
166.0	35.8	20.4	12.2	20.4	35.8	66.4	106.0
166.5	37.6	22.2	12.8	22.2	37.6	67.6	106.8
167.0	39.6	23.4	14.0	23.4	39.6	68.8	107.6
167.5	42.0	24.6	15.2	24.6	42.0	70.2	108.2
168.0	44.4	25.4	16.2	25.4	44.4	71.6	109.0
168.5	46.6	26.4	17.0	26.4	46.6	73.0	110.0
169.0	48.8	27.6	18.0	27.6	48.8	74.2	110.4
169.5	50.8	29.2	18.8	29.2	50.8	75.8	110.4
170.0	52.8	31.0	20.0	31.0	52.8	77.4	110.6
170.5	54.6	32.8	21.8	32.8	54.6	78.8	111.2
171.0	56.4	34.6	23.6	34.6	56.4	80.2	111.8
171.5	58.4	36.0	25.2	36.0	58.4	81.6	112.4
172.0	60.0	37.0	27.0	37.0	60.0	83.2	112.6
172.5	61.8	37.8	28.4	37.8	61.8	84.6	112.8
173.0	63.4	38.6	29.6	38.6	63.4	86.2	112.8
173.5	65.0	39.6	30.8	39.6	65.0	87.6	113.6
174.0	67.0	40.8	32.4	40.8	67.0	89.2	114.0
174.5	69.2	41.8	33.8	41.8	69.2	90.6	114.4
175.0	71.4	43.0	35.2	43.0	71.4	92.2	114.4
175.5	73.8	44.8	36.6	44.8	73.8	93.8	114.8
176.0	76.2	46.6	38.0	46.6	76.2	95.6	115.2
176.5	79.0	48.6	39.4	48.6	79.0	97.6	115.6
177.0	81.8	50.8	41.0	50.8	81.8	99.6	115.8
177.5	84.8	53.4	42.6	53.4	84.8	101.2	116.0
178.0	88.2	56.4	44.4	56.4	88.2	103.0	116.2
178.5	91.8	59.8	46.0	59.8	91.8	104.8	116.4
179.0	95.4	64.0	47.8	64.0	95.4	106.8	116.6
179.5	99.2	68.4	49.6	68.4	99.2	108.4	117.0
180.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-RD-835-CA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1080.88	N.A.	6.90
0-30	2364.13	N.A.	15.10
0-40	3999.1	N.A.	25.50
0-60	7558.93	N.A.	48.20
0-80	10447.6	N.A.	66.60
0-90	11498.59	N.A.	73.30
10-90	11228.08	N.A.	71.50
20-40	2918.21	N.A.	18.60
20-50	4707.17	N.A.	30.00
40-70	5158.88	N.A.	32.90
60-80	2888.67	N.A.	18.40
70-80	1289.62	N.A.	8.20
80-90	1050.99	N.A.	6.70
90-110	1816.39	N.A.	11.60
90-120	2594.48	N.A.	16.50
90-130	3210.24	N.A.	20.50
90-150	3988.62	N.A.	25.40
90-180	4197.2	N.A.	26.70
110-180	2380.81	N.A.	15.20
0-180	15695.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	270.51
10-20	810.37
20-30	1283.25
30-40	1634.96
40-50	1788.95
50-60	1770.88
60-70	1599.05
70-80	1289.62
80-90	1050.99
90-100	931.77
100-110	884.61
110-120	778.09
120-130	615.76
130-140	465.11
140-150	313.27
150-160	150.47
160-170	47.88
170-180	10.23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-RD-835-CA.IES

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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73	73
1	100	94	89	84	94	89	85	81	80	76	73	72	69	66	64	62	60	56	56
2	90	81	73	67	85	77	70	64	69	63	58	61	57	53	55	51	48	44	44
3	81	70	61	54	77	66	59	52	60	53	48	53	48	44	47	43	40	36	36
4	74	62	52	45	70	58	50	43	52	46	40	47	41	37	42	37	33	30	30
5	68	55	45	38	64	52	43	37	47	40	34	42	36	31	37	33	29	26	26
6	62	49	40	33	59	46	38	32	42	35	29	38	32	27	34	29	25	22	22
7	58	44	35	29	54	42	34	28	38	31	26	34	28	24	31	26	22	19	19
8	53	40	31	25	50	38	30	25	34	28	23	31	25	21	28	23	19	17	17
9	50	36	28	23	47	35	27	22	32	25	20	29	23	19	26	21	17	15	15
10	47	33	25	20	44	32	25	20	29	23	18	26	21	17	24	19	16	14	14

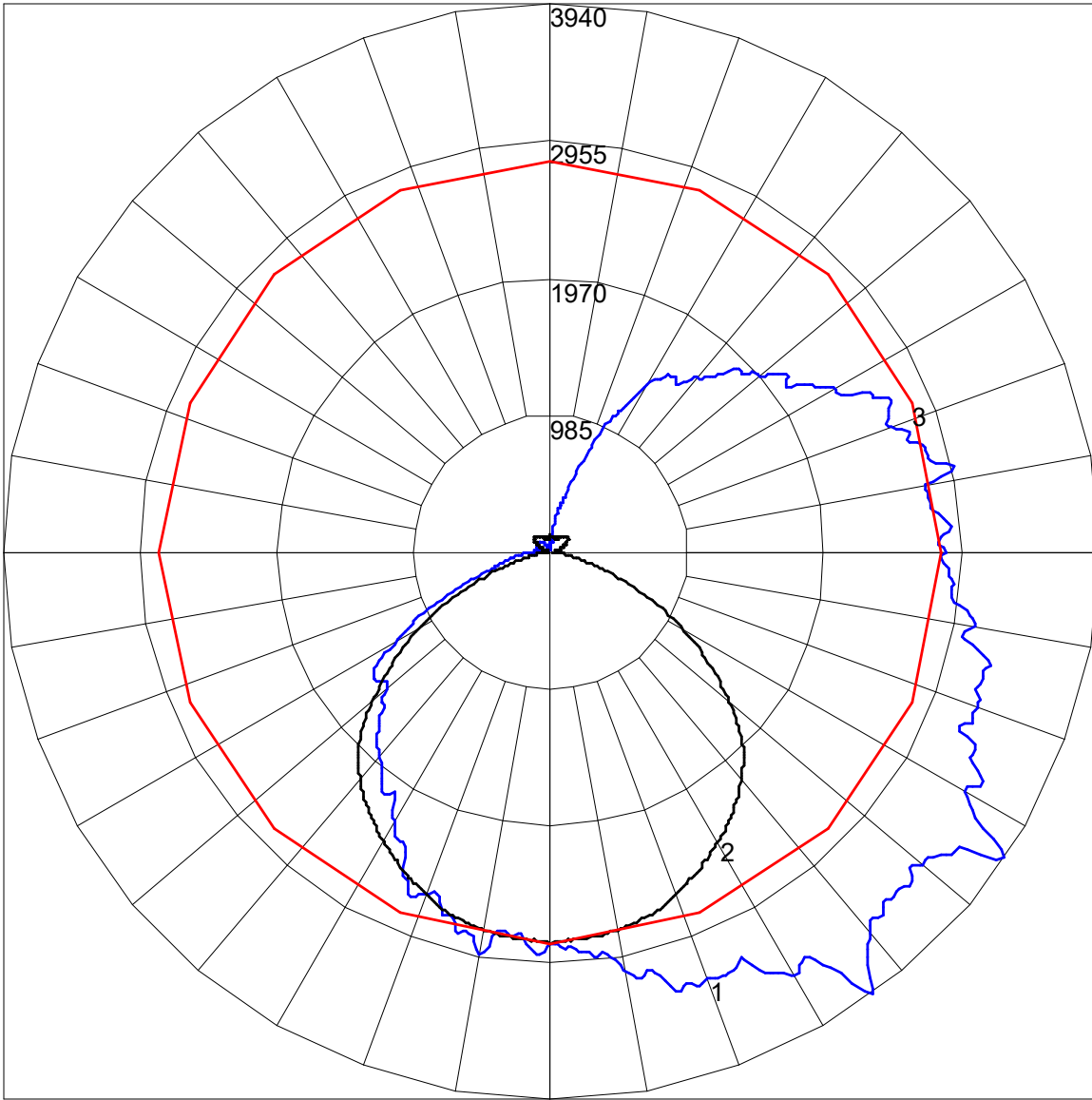
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-RD-835-CA.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	17.4	18.6	18.1	19.4	20.3	24.8	26.1	25.6	26.8	27.7
	3H	18.4	19.5	19.1	20.2	21.2	27.7	28.8	28.4	29.6	30.5
	4H	18.6	19.7	19.3	20.4	21.4	29.3	30.4	30.1	31.2	32.1
	6H	18.7	19.7	19.5	20.5	21.4	31.1	32.1	31.9	32.9	33.8
	8H	18.7	19.6	19.5	20.4	21.4	32.1	33.0	32.9	33.8	34.8
	12H	18.7	19.6	19.4	20.4	21.4	33.1	34.0	33.8	34.8	35.7
4H	2H	19.2	20.2	19.9	21.0	21.9	25.1	26.2	25.9	26.9	27.9
	3H	20.5	21.5	21.3	22.3	23.2	28.3	29.2	29.0	30.0	30.9
	4H	20.9	21.8	21.7	22.6	23.6	30.1	30.9	30.9	31.7	32.7
	6H	21.2	21.9	22.0	22.8	23.7	32.1	32.8	32.9	33.7	34.6
	8H	21.2	21.9	22.0	22.7	23.7	33.2	33.9	34.0	34.7	35.7
	12H	21.2	21.9	22.1	22.7	23.7	34.3	34.9	35.1	35.8	36.8
8H	4H	22.6	23.3	23.4	24.1	25.1	30.3	31.0	31.1	31.8	32.8
	6H	23.2	23.8	24.0	24.6	25.6	32.5	33.1	33.3	33.9	34.9
	8H	23.3	23.9	24.2	24.7	25.7	33.7	34.3	34.6	35.1	36.1
	12H	23.4	23.9	24.2	24.7	25.8	35.0	35.5	35.9	36.3	37.4
12H	4H	23.1	23.8	24.0	24.6	25.6	30.3	30.9	31.1	31.7	32.7
	6H	23.9	24.5	24.8	25.3	26.4	32.5	33.0	33.3	33.9	34.9
	8H	24.3	24.8	25.1	25.6	26.7	33.8	34.3	34.7	35.1	36.2

Maximum UGR = 37.4

POLAR GRAPH



Maximum Candela = 3940 Located At Horizontal Angle = 90, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0)