

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P894503

Luminaire Tested: 8TMB-12SL-FLTU-UNV-L840

Issue Date: 11/11/2024

**Test Information**

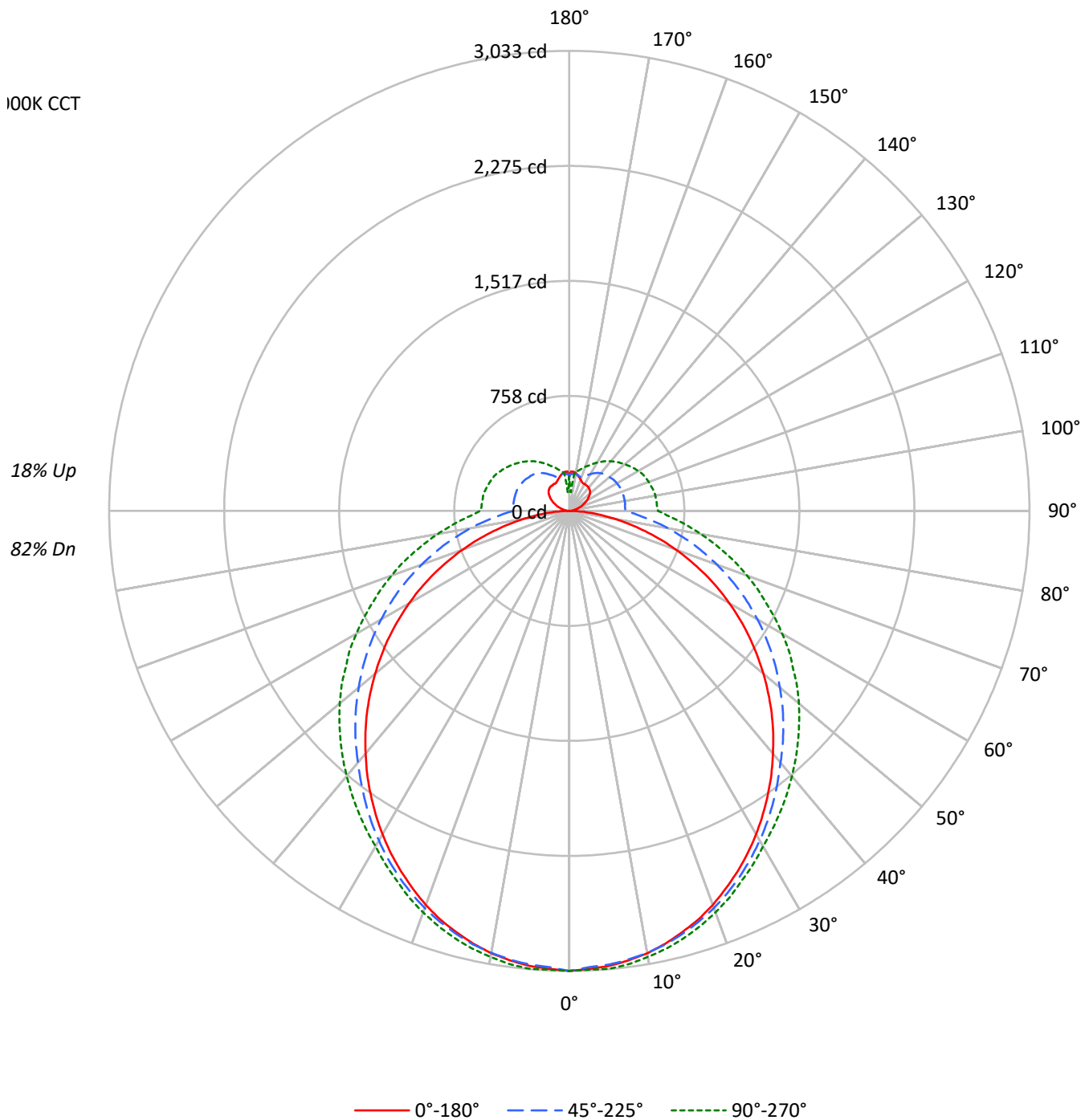
Test Method: LM-79-2019  
Report Number: P894503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-12SL-FLTU-UNV-L840  
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 40  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11467.0 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 88.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.53  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L840

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	50	30	10	0
RCR																					
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10762	10762	10762
5°	10700	10328	10300
10°	10620	9947	9811
15°	10488	9563	9343
20°	10340	9168	8869
25°	10146	8754	8387
30°	9940	8330	7949
35°	9709	7904	7588
40°	9466	7484	7242
45°	9225	7118	6914
50°	8942	6740	6595
55°	8639	6367	6239
60°	8275	5967	5900
65°	7840	5545	5517
70°	7267	5081	5161
75°	6471	4606	4776
80°	5423	4096	4382
85°	4082	3579	4021

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9225 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.8	2.5
10°-20°	818.1	7.1
20°-30°	1229.1	10.7
30°-40°	1475.9	12.9
40°-50°	1551.9	13.5
50°-60°	1458.1	12.7
60°-70°	1212.5	10.6
70°-80°	865.2	7.5
80°-90°	515.0	4.5
90°-100°	372.8	3.3
100°-110°	367.8	3.2
110°-120°	345.5	3.0
120°-130°	306.2	2.7
130°-140°	253.7	2.2
140°-150°	189.9	1.7
150°-160°	124.9	1.1
160°-170°	70.8	0.6
170°-180°	22.6	0.2
0°-30°	2334.1	20.4
0°-40°	3809.9	33.2
0°-60°	6820.0	59.5
0°-90°	9412.7	82.1
90°-120°	1086.2	9.5
90°-150°	1836.0	16.0
90°-180°	2054.0	17.9
0°-180°	11467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3033	3033	3033	3033	3033	
5°	3011	3047	3003	3011	3030	286
15°	2875	2920	2886	2906	2917	811
25°	2623	2673	2659	2684	2690	1208
35°	2282	2335	2344	2402	2424	1428
45°	1886	1939	1994	2097	2133	1454
55°	1449	1507	1626	1759	1798	1294
65°	986	1066	1235	1391	1429	976
75°	518	634	845	1008	1061	550
85°	130	285	496	662	717	142
90°	0	163	368	529	584	9
95°	14	172	368	524	579	16
105°	53	191	371	518	568	56
115°	102	208	368	496	546	102
125°	155	222	357	465	501	138
135°	191	233	338	424	454	147
145°	202	227	305	377	399	127
155°	205	230	258	319	338	96
165°	236	249	241	244	282	66
175°	260	258	244	208	125	24
180°	227	227	227	227	227	



TEST NUMBER: P894503  
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2
2.5°	3022.1	3030.4	3033.2	3060.9	3049.8	3060.9	3041.5	3019.4	3013.8	3027.7	3011.1
5°	3011.1	3019.4	3022.1	3049.8	3038.8	3047.1	3030.4	3008.3	3002.7	3019.4	3002.7
7.5°	2988.9	2997.2	3000.0	3030.4	3016.6	3027.7	3008.3	2986.1	2983.4	3000.0	2983.4
10°	2961.2	2969.5	2972.3	3000.0	2988.9	3000.0	2980.6	2958.4	2955.7	2975.0	2958.4
12.5°	2922.4	2930.7	2936.3	2964.0	2950.1	2964.0	2941.8	2919.6	2922.4	2939.0	2928.0
15°	2875.3	2886.4	2889.2	2916.9	2905.8	2919.6	2897.5	2875.3	2880.9	2897.5	2886.4
17.5°	2825.5	2836.5	2839.3	2864.2	2853.2	2869.8	2844.9	2825.5	2831.0	2847.6	2839.3
20°	2764.5	2775.6	2781.1	2806.1	2795.0	2811.6	2786.7	2770.1	2775.6	2795.0	2786.7
22.5°	2695.3	2711.9	2714.7	2742.4	2728.5	2745.1	2720.2	2706.3	2714.7	2734.0	2725.7
25°	2623.2	2639.9	2642.6	2670.3	2659.3	2673.1	2648.2	2634.3	2645.4	2664.8	2659.3
27.5°	2545.7	2562.3	2567.8	2592.8	2581.7	2598.3	2570.6	2562.3	2573.4	2592.8	2587.2
30°	2462.6	2479.2	2482.0	2506.9	2498.6	2515.2	2490.3	2479.2	2495.8	2515.2	2509.7
32.5°	2373.9	2390.6	2398.9	2421.0	2412.7	2426.6	2404.4	2398.9	2412.7	2432.1	2429.3
35°	2282.5	2299.1	2307.5	2332.4	2321.3	2335.2	2313.0	2307.5	2329.6	2343.5	2343.5
37.5°	2188.3	2205.0	2213.3	2238.2	2224.4	2241.0	2218.8	2216.0	2241.0	2254.8	2254.8
40°	2088.6	2108.0	2116.3	2138.5	2127.4	2141.3	2121.9	2124.6	2146.8	2163.4	2166.2
42.5°	1988.9	2008.3	2016.6	2041.5	2027.7	2041.5	2024.9	2027.7	2052.6	2069.2	2083.1
45°	1886.4	1903.0	1911.3	1939.0	1922.4	1939.0	1922.4	1928.0	1952.9	1977.8	1994.4
47.5°	1778.4	1795.0	1808.8	1831.0	1817.2	1831.0	1819.9	1828.2	1858.7	1883.6	1905.8
50°	1670.3	1687.0	1700.8	1720.2	1706.4	1725.7	1711.9	1723.0	1761.8	1786.7	1811.6
52.5°	1559.5	1573.4	1595.6	1606.6	1595.6	1617.7	1606.6	1623.3	1662.0	1692.5	1720.2
55°	1448.7	1462.6	1484.8	1493.1	1482.0	1506.9	1498.6	1520.8	1562.3	1595.6	1626.0
57.5°	1335.2	1349.0	1368.4	1376.7	1368.4	1396.1	1393.3	1418.3	1459.8	1495.8	1529.1
60°	1218.8	1232.7	1249.3	1257.6	1257.6	1285.3	1285.3	1315.8	1360.1	1393.3	1432.1
62.5°	1105.3	1113.6	1130.2	1141.3	1149.6	1177.3	1177.3	1210.5	1257.6	1296.4	1335.2
65°	986.1	994.5	1008.3	1022.2	1036.0	1066.5	1069.2	1105.3	1152.3	1191.1	1235.4
67.5°	867.0	875.3	889.2	905.8	925.2	955.7	961.2	1000.0	1049.9	1094.2	1135.7
70°	750.7	753.5	770.1	792.2	814.4	844.9	853.2	894.7	947.4	991.7	1036.0
72.5°	634.3	637.1	653.7	681.4	706.4	739.6	750.7	795.0	847.6	892.0	936.3
75°	518.0	520.8	542.9	576.2	603.9	634.3	648.2	695.3	747.9	795.0	844.9
77.5°	407.2	412.7	434.9	468.1	501.4	537.4	551.2	598.3	656.5	700.8	747.9
80°	304.7	310.2	335.2	371.2	407.2	440.4	457.1	504.2	565.1	609.4	662.0
82.5°	210.5	218.8	249.3	288.1	324.1	360.1	376.7	421.0	476.5	526.3	576.2
85°	130.2	141.3	171.7	213.3	252.1	285.3	301.9	349.0	401.7	448.7	495.8
87.5°	60.9	77.6	108.0	149.6	191.1	218.8	238.2	285.3	335.2	382.3	429.4
90°	0.0	24.9	55.4	97.0	138.5	163.4	185.6	229.9	279.8	324.1	368.4
92.5°	5.5	27.7	60.9	99.7	141.3	166.2	188.4	232.7	279.8	324.1	368.4
95°	13.9	30.5	63.7	105.3	146.8	171.7	191.1	235.5	282.5	326.9	368.4
97.5°	24.9	38.8	72.0	110.8	152.4	174.5	196.7	241.0	285.3	329.6	371.2
100°	33.2	44.3	77.6	116.3	157.9	180.1	202.2	243.8	288.1	332.4	371.2
102.5°	41.6	55.4	85.9	121.9	163.4	185.6	205.0	246.5	290.9	332.4	371.2
105°	52.6	63.7	91.4	130.2	169.0	191.1	210.5	252.1	293.6	335.2	371.2
107.5°	63.7	72.0	99.7	135.7	174.5	193.9	213.3	254.8	296.4	335.2	371.2
110°	77.6	83.1	108.0	141.3	177.3	199.4	218.8	257.6	296.4	335.2	371.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	91.4	91.4	116.3	146.8	182.8	202.2	221.6	260.4	299.2	335.2	371.2
115°	102.5	105.3	124.7	152.4	188.4	207.8	224.4	260.4	299.2	335.2	368.4
117.5°	116.3	116.3	135.7	157.9	191.1	210.5	229.9	263.2	299.2	332.4	365.6
120°	130.2	127.4	144.0	166.2	196.7	213.3	232.7	265.9	299.2	332.4	362.9
122.5°	144.0	138.5	149.6	171.7	199.4	218.8	232.7	265.9	299.2	329.6	360.1
125°	155.1	149.6	157.9	180.1	205.0	221.6	235.5	265.9	299.2	326.9	357.3
127.5°	166.2	160.7	169.0	185.6	207.8	221.6	238.2	265.9	299.2	324.1	351.8
130°	177.3	169.0	180.1	191.1	213.3	224.4	238.2	265.9	296.4	321.3	346.3
132.5°	185.6	177.3	188.4	196.7	216.1	227.1	241.0	265.9	293.6	318.6	343.5
135°	191.1	182.8	196.7	202.2	221.6	232.7	243.8	265.9	290.9	315.8	337.9
137.5°	196.7	185.6	202.2	207.8	224.4	235.5	243.8	263.2	288.1	310.2	332.4
140°	199.4	191.1	207.8	213.3	221.6	232.7	243.8	260.4	282.5	304.7	324.1
142.5°	202.2	191.1	210.5	216.1	221.6	229.9	241.0	254.8	277.0	296.4	315.8
145°	202.2	193.9	210.5	216.1	221.6	227.1	235.5	252.1	268.7	285.3	304.7
147.5°	202.2	196.7	213.3	218.8	224.4	224.4	229.9	246.5	260.4	277.0	293.6
150°	205.0	196.7	213.3	218.8	227.1	227.1	229.9	238.2	254.8	265.9	279.8
152.5°	202.2	199.4	210.5	221.6	227.1	229.9	229.9	232.7	246.5	257.6	268.7
155°	205.0	205.0	213.3	227.1	229.9	229.9	232.7	229.9	235.5	246.5	257.6
157.5°	210.5	216.1	216.1	229.9	235.5	235.5	238.2	235.5	232.7	235.5	246.5
160°	218.8	224.4	224.4	232.7	241.0	241.0	243.8	241.0	238.2	235.5	235.5
162.5°	227.1	232.7	232.7	235.5	243.8	246.5	249.3	246.5	243.8	238.2	235.5
165°	235.5	241.0	241.0	241.0	246.5	249.3	252.1	249.3	249.3	243.8	241.0
167.5°	243.8	249.3	249.3	246.5	249.3	252.1	254.8	252.1	252.1	249.3	243.8
170°	252.1	257.6	257.6	252.1	254.8	254.8	257.6	254.8	254.8	249.3	246.5
172.5°	257.6	263.2	260.4	257.6	257.6	257.6	257.6	254.8	252.1	246.5	246.5
175°	260.4	265.9	265.9	260.4	257.6	257.6	260.4	254.8	252.1	249.3	243.8
177.5°	260.4	265.9	265.9	260.4	260.4	257.6	260.4	257.6	257.6	252.1	246.5
180°	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2	3033.2
2.5°	3022.1	3019.4	3002.7	3022.1	3022.1	3016.6	3038.8	3036.0	3033.2	3027.7
5°	3011.1	3008.3	2991.7	3011.1	3011.1	3008.3	3030.4	3033.2	3036.0	3030.4
7.5°	2994.4	2991.7	2975.0	2994.4	2994.4	2991.7	3016.6	3019.4	3022.1	3013.8
10°	2969.5	2966.7	2950.1	2969.5	2972.3	2969.5	2988.9	2991.7	2997.2	2986.1
12.5°	2936.3	2936.3	2919.6	2939.0	2941.8	2939.0	2958.4	2964.0	2969.5	2955.7
15°	2894.7	2897.5	2883.6	2903.0	2905.8	2905.8	2925.2	2928.0	2936.3	2916.9
17.5°	2844.9	2850.4	2839.3	2858.7	2861.5	2864.2	2875.3	2883.6	2891.9	2869.8
20°	2792.2	2795.0	2786.7	2803.3	2808.8	2806.1	2819.9	2831.0	2839.3	2817.2
22.5°	2728.5	2731.3	2723.0	2739.6	2745.1	2747.9	2759.0	2772.8	2778.4	2759.0
25°	2656.5	2667.6	2662.0	2678.6	2684.2	2684.2	2695.3	2709.1	2717.4	2689.7
27.5°	2587.2	2601.1	2595.5	2612.2	2617.7	2620.5	2626.0	2642.6	2650.9	2626.0
30°	2509.7	2526.3	2523.5	2540.1	2545.7	2542.9	2554.0	2570.6	2581.7	2554.0
32.5°	2423.8	2446.0	2443.2	2465.4	2470.9	2473.7	2482.0	2504.1	2515.2	2490.3
35°	2340.7	2365.6	2368.4	2393.3	2401.6	2404.4	2415.5	2437.7	2448.7	2423.8
37.5°	2254.8	2288.1	2296.4	2321.3	2329.6	2332.4	2343.5	2368.4	2379.5	2354.6
40°	2171.7	2210.5	2221.6	2243.7	2252.1	2260.4	2268.7	2293.6	2307.5	2282.5
42.5°	2088.6	2130.2	2144.0	2166.2	2174.5	2182.8	2193.9	2221.6	2232.7	2210.5
45°	2002.8	2047.1	2063.7	2085.9	2096.9	2105.2	2116.3	2141.3	2155.1	2132.9
47.5°	1916.9	1961.2	1977.8	2002.8	2013.8	2024.9	2033.2	2063.7	2077.5	2055.4
50°	1825.5	1875.3	1894.7	1916.9	1933.5	1941.8	1952.9	1980.6	1994.4	1975.1
52.5°	1734.1	1786.7	1808.8	1831.0	1847.6	1861.5	1867.0	1897.5	1911.3	1892.0
55°	1639.9	1692.5	1717.4	1742.4	1759.0	1775.6	1781.1	1811.6	1825.5	1797.8
57.5°	1545.7	1601.1	1626.0	1653.7	1667.6	1687.0	1695.3	1723.0	1736.8	1717.4
60°	1451.5	1504.1	1534.6	1559.5	1578.9	1595.6	1601.1	1631.6	1645.4	1620.5
62.5°	1354.6	1410.0	1440.4	1468.1	1484.8	1504.1	1512.5	1540.2	1551.2	1526.3
65°	1254.8	1310.2	1343.5	1368.4	1390.6	1407.2	1412.7	1443.2	1454.3	1429.4
67.5°	1155.1	1210.5	1246.5	1274.2	1293.6	1313.0	1318.5	1349.0	1360.1	1340.7
70°	1058.2	1113.6	1149.6	1182.8	1196.7	1216.1	1224.4	1252.1	1263.1	1246.5
72.5°	961.2	1016.6	1055.4	1088.6	1102.5	1121.9	1133.0	1155.1	1171.7	1157.9
75°	867.0	922.4	961.2	994.5	1008.3	1027.7	1038.8	1060.9	1072.0	1060.9
77.5°	775.6	831.0	867.0	900.3	916.9	933.5	944.6	966.8	980.6	969.5
80°	687.0	742.4	778.4	808.9	825.5	842.1	853.2	878.1	889.2	880.9
82.5°	603.9	656.5	695.3	725.8	742.4	759.0	770.1	792.2	806.1	795.0
85°	529.1	581.7	617.7	648.2	662.0	678.7	689.7	711.9	723.0	717.4
87.5°	457.1	504.2	545.7	576.2	590.0	606.6	620.5	637.1	651.0	642.7
90°	401.7	443.2	482.0	512.5	529.1	545.7	562.3	578.9	590.0	584.5
92.5°	404.4	443.2	479.2	506.9	523.5	540.2	556.8	576.2	584.5	578.9
95°	404.4	443.2	479.2	506.9	523.5	540.2	556.8	576.2	584.5	578.9
97.5°	404.4	443.2	479.2	506.9	523.5	540.2	556.8	576.2	584.5	576.2
100°	404.4	443.2	479.2	506.9	523.5	537.4	554.0	573.4	581.7	576.2
102.5°	404.4	443.2	476.5	504.2	520.8	534.6	551.2	570.6	578.9	573.4
105°	404.4	440.4	476.5	501.4	518.0	531.9	548.5	565.1	573.4	567.9
107.5°	401.7	437.7	470.9	498.6	512.5	526.3	542.9	559.6	567.9	562.3
110°	401.7	434.9	468.1	493.1	506.9	520.8	537.4	554.0	562.3	556.8





TEST NUMBER: P894503  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	398.9	432.1	465.4	487.5	501.4	515.2	529.1	548.5	556.8	551.2
115°	396.1	429.4	459.8	482.0	495.8	506.9	523.5	542.9	548.5	545.7
117.5°	393.3	423.8	454.3	476.5	490.3	501.4	515.2	531.9	540.2	537.4
120°	390.6	418.3	448.7	468.1	482.0	493.1	504.2	520.8	529.1	523.5
122.5°	385.0	412.7	443.2	462.6	473.7	484.8	495.8	509.7	518.0	515.2
125°	379.5	407.2	434.9	454.3	465.4	473.7	484.8	498.6	504.2	501.4
127.5°	374.0	401.7	426.6	443.2	457.1	465.4	473.7	487.5	493.1	490.3
130°	368.4	393.3	418.3	434.9	446.0	454.3	462.6	476.5	479.2	479.2
132.5°	362.9	385.0	410.0	426.6	437.7	443.2	451.5	462.6	468.1	465.4
135°	357.3	376.7	401.7	415.5	423.8	432.1	440.4	451.5	454.3	454.3
137.5°	349.0	368.4	390.6	404.4	412.7	418.3	426.6	437.7	440.4	440.4
140°	340.7	360.1	379.5	390.6	401.7	407.2	412.7	423.8	426.6	426.6
142.5°	332.4	349.0	368.4	379.5	390.6	393.3	401.7	410.0	412.7	412.7
145°	321.3	340.7	357.3	368.4	376.7	379.5	387.8	396.1	396.1	398.9
147.5°	307.5	324.1	346.3	354.6	362.9	365.6	374.0	379.5	382.3	382.3
150°	293.6	310.2	329.6	343.5	351.8	354.6	357.3	365.6	365.6	368.4
152.5°	279.8	293.6	313.0	326.9	337.9	340.7	343.5	349.0	349.0	351.8
155°	265.9	277.0	293.6	307.5	318.6	324.1	329.6	335.2	335.2	337.9
157.5°	254.8	265.9	279.8	290.9	299.2	307.5	315.8	321.3	321.3	321.3
160°	241.0	249.3	263.2	271.5	282.5	288.1	301.9	307.5	307.5	310.2
162.5°	232.7	235.5	243.8	252.1	260.4	265.9	279.8	293.6	293.6	296.4
165°	235.5	232.7	235.5	238.2	243.8	246.5	254.8	274.2	279.8	282.5
167.5°	241.0	232.7	232.7	232.7	238.2	238.2	246.5	257.6	277.0	271.5
170°	241.0	232.7	227.1	227.1	229.9	227.1	232.7	241.0	252.1	263.2
172.5°	243.8	235.5	227.1	216.1	218.8	216.1	210.5	210.5	213.3	249.3
175°	241.0	235.5	224.4	210.5	207.8	199.4	182.8	169.0	160.7	124.7
177.5°	238.2	229.9	221.6	210.5	205.0	196.7	177.3	155.1	133.0	127.4
180°	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1	227.1



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.96	17.28	16.58	17.92	18.64	18.59	19.91	19.21	20.54	21.27
	3H	17.37	18.57	17.99	19.21	19.97	21.05	22.25	21.68	22.90	23.65
	4H	17.79	18.93	18.44	19.59	20.36	22.22	23.36	22.87	24.01	24.78
	6H	18.03	19.09	18.69	19.75	20.54	23.40	24.46	24.06	25.12	25.91
	8H	18.07	19.08	18.75	19.77	20.56	23.99	25.01	24.67	25.69	26.48
	12H	18.08	19.05	18.76	19.73	20.55	24.63	25.60	25.31	26.28	27.09
4H	2H	16.87	18.00	17.52	18.66	19.43	18.94	20.07	19.59	20.73	21.50
	3H	18.49	19.45	19.15	20.15	20.94	21.60	22.57	22.26	23.26	24.05
	4H	19.04	19.93	19.72	20.62	21.44	22.91	23.80	23.60	24.50	25.32
	6H	19.38	20.16	20.08	20.88	21.71	24.27	25.05	24.97	25.77	26.59
	8H	19.46	20.19	20.16	20.91	21.75	24.96	25.69	25.66	26.41	27.25
	12H	19.49	20.15	20.21	20.89	21.74	25.71	26.37	26.43	27.12	27.96
8H	4H	19.71	20.44	20.41	21.16	22.00	23.06	23.80	23.77	24.51	25.35
	6H	20.21	20.83	20.94	21.59	22.43	24.56	25.18	25.29	25.94	26.78
	8H	20.36	20.92	21.11	21.68	22.54	25.37	25.92	26.11	26.68	27.54
	12H	20.45	20.95	21.20	21.70	22.62	26.28	26.77	27.03	27.52	28.44
12H	4H	19.88	20.54	20.60	21.28	22.13	23.05	23.72	23.78	24.46	25.31
	6H	20.47	21.03	21.22	21.79	22.65	24.57	25.13	25.32	25.89	26.75
	8H	20.71	21.20	21.46	21.96	22.87	25.44	25.93	26.18	26.68	27.60