

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: P895404

Luminaire Tested: 8TMB-SC3-FLTU-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895404
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-SC3-FLTU-UNV-CC83-HI-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 4000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

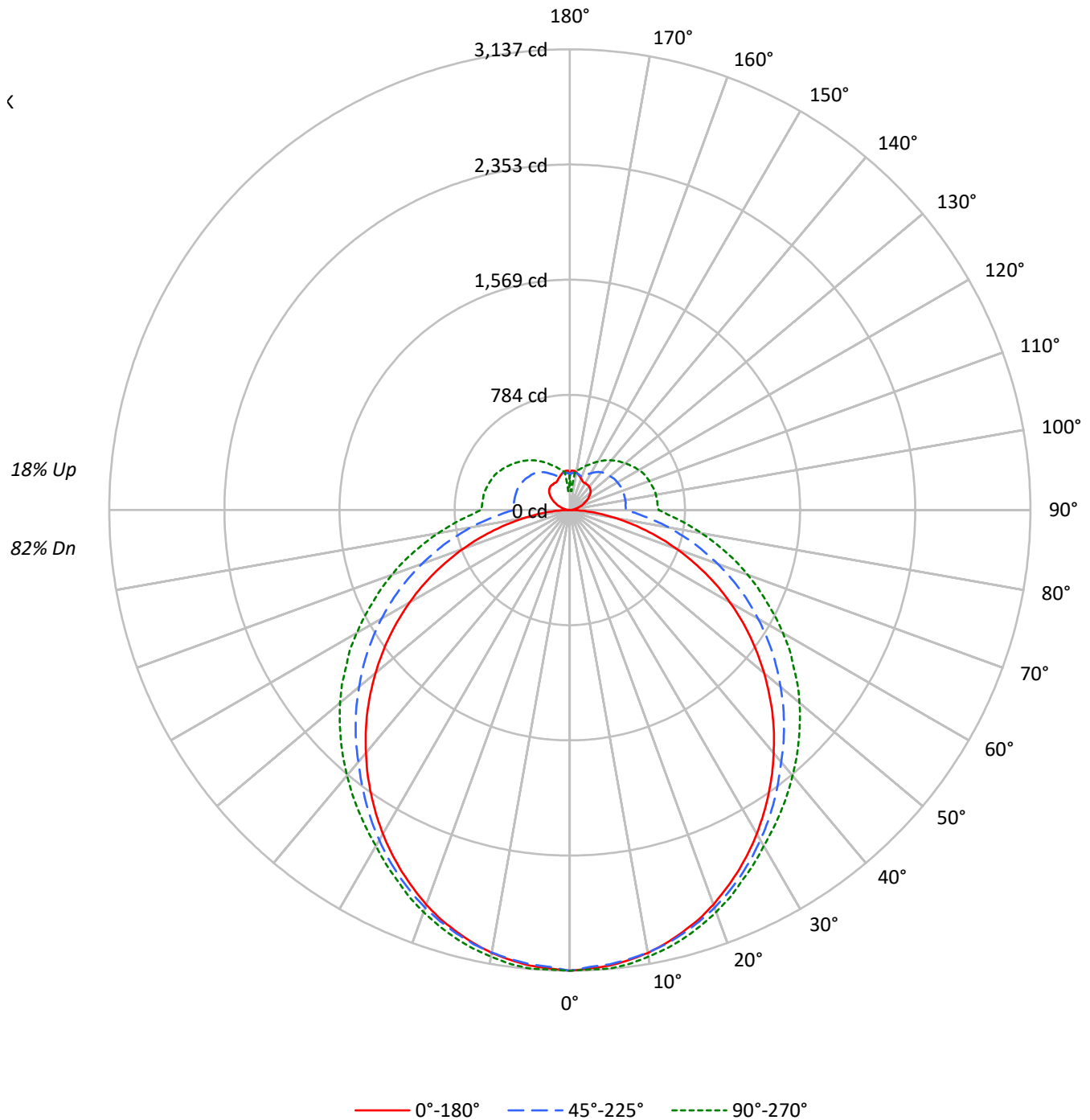
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11859.0 lumens
Efficiency: N/A
Efficacy: 117.0 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): 101.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	11130	11130	11130
5°	11066	10681	10652
10°	10983	10287	10146
15°	10847	9890	9662
20°	10694	9481	9172
25°	10493	9053	8674
30°	10279	8615	8221
35°	10041	8174	7847
40°	9790	7740	7490
45°	9540	7362	7151
50°	9247	6970	6821
55°	8935	6585	6452
60°	8558	6171	6102
65°	8109	5735	5706
70°	7514	5255	5338
75°	6692	4763	4940
80°	5608	4237	4532
85°	4220	3702	4159

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.6	2.5
10°-20°	846.1	7.1
20°-30°	1271.2	10.7
30°-40°	1526.3	12.9
40°-50°	1605.0	13.5
50°-60°	1508.0	12.7
60°-70°	1253.9	10.6
70°-80°	894.8	7.5
80°-90°	532.6	4.5
90°-100°	385.6	3.3
100°-110°	380.4	3.2
110°-120°	357.3	3.0
120°-130°	316.6	2.7
130°-140°	262.4	2.2
140°-150°	196.4	1.7
150°-160°	129.2	1.1
160°-170°	73.3	0.6
170°-180°	23.4	0.2
0°-30°	2413.8	20.4
0°-40°	3940.2	33.2
0°-60°	7053.2	59.5
0°-90°	9734.5	82.1
90°-120°	1123.3	9.5
90°-150°	1898.8	16.0
90°-180°	2125.0	17.9
0°-180°	11859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3137	3137	3137	3137	3137	
5°	3114	3151	3105	3114	3134	296
15°	2974	3020	2985	3005	3017	839
25°	2713	2764	2750	2776	2782	1250
35°	2361	2415	2424	2484	2507	1477
45°	1951	2005	2063	2169	2206	1504
55°	1498	1558	1682	1819	1859	1339
65°	1020	1103	1278	1438	1478	1009
75°	536	656	874	1043	1097	569
85°	135	295	513	685	742	147
90°	0	169	381	547	604	9
95°	14	178	381	541	599	16
105°	54	198	384	536	587	58
115°	106	215	381	513	564	106
125°	160	229	370	481	518	143
135°	198	241	350	438	470	152
145°	209	235	315	390	412	131
155°	212	238	266	329	350	99
165°	244	258	249	252	292	69
175°	269	266	252	215	129	25
180°	235	235	235	235	235	



TEST NUMBER: P895404
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9
2.5°	3125.4	3134.0	3136.9	3165.6	3154.1	3165.6	3145.5	3122.6	3116.9	3131.2	3114.0
5°	3114.0	3122.6	3125.4	3154.1	3142.6	3151.2	3134.0	3111.1	3105.4	3122.6	3105.4
7.5°	3091.1	3099.7	3102.5	3134.0	3119.7	3131.2	3111.1	3088.2	3085.3	3102.5	3085.3
10°	3062.4	3071.0	3073.9	3102.5	3091.1	3102.5	3082.5	3059.6	3056.7	3076.7	3059.6
12.5°	3022.3	3030.9	3036.6	3065.3	3051.0	3065.3	3042.4	3019.5	3022.3	3039.5	3028.0
15°	2973.6	2985.1	2987.9	3016.6	3005.1	3019.5	2996.5	2973.6	2979.3	2996.5	2985.1
17.5°	2922.0	2933.5	2936.4	2962.2	2950.7	2967.9	2942.1	2922.0	2927.8	2945.0	2936.4
20°	2859.0	2870.5	2876.2	2902.0	2890.5	2907.7	2881.9	2864.8	2870.5	2890.5	2881.9
22.5°	2787.4	2804.6	2807.5	2836.1	2821.8	2839.0	2813.2	2798.9	2807.5	2827.5	2818.9
25°	2712.9	2730.1	2733.0	2761.6	2750.2	2764.5	2738.7	2724.4	2735.8	2755.9	2750.2
27.5°	2632.7	2649.9	2655.6	2681.4	2670.0	2687.1	2658.5	2649.9	2661.4	2681.4	2675.7
30°	2546.8	2564.0	2566.8	2592.6	2584.0	2601.2	2575.4	2564.0	2581.1	2601.2	2595.5
32.5°	2455.1	2472.3	2480.9	2503.8	2495.2	2509.5	2486.6	2480.9	2495.2	2515.3	2512.4
35°	2360.6	2377.7	2386.3	2412.1	2400.7	2415.0	2392.1	2386.3	2409.3	2423.6	2423.6
37.5°	2263.2	2280.3	2288.9	2314.7	2300.4	2317.6	2294.7	2291.8	2317.6	2331.9	2331.9
40°	2160.0	2180.1	2188.7	2211.6	2200.1	2214.5	2194.4	2197.3	2220.2	2237.4	2240.2
42.5°	2056.9	2076.9	2085.5	2111.3	2097.0	2111.3	2094.1	2097.0	2122.8	2140.0	2154.3
45°	1950.9	1968.1	1976.7	2005.3	1988.1	2005.3	1988.1	1993.9	2019.7	2045.4	2062.6
47.5°	1839.2	1856.4	1870.7	1893.6	1879.3	1893.6	1882.1	1890.7	1922.3	1948.0	1971.0
50°	1727.4	1744.6	1759.0	1779.0	1764.7	1784.7	1770.4	1781.9	1822.0	1847.8	1873.5
52.5°	1612.9	1627.2	1650.1	1661.6	1650.1	1673.0	1661.6	1678.7	1718.9	1750.4	1779.0
55°	1498.3	1512.6	1535.5	1544.1	1532.6	1558.4	1549.8	1572.8	1615.7	1650.1	1681.6
57.5°	1380.8	1395.1	1415.2	1423.8	1415.2	1443.8	1441.0	1466.8	1509.7	1547.0	1581.3
60°	1260.5	1274.8	1292.0	1300.6	1300.6	1329.2	1329.2	1360.8	1406.6	1441.0	1481.1
62.5°	1143.0	1151.6	1168.8	1180.3	1188.9	1217.5	1217.5	1251.9	1300.6	1340.7	1380.8
65°	1019.9	1028.4	1042.8	1057.1	1071.4	1102.9	1105.8	1143.0	1191.7	1231.8	1277.7
67.5°	896.7	905.3	919.6	936.8	956.8	988.3	994.1	1034.2	1085.7	1131.6	1174.5
70°	776.3	779.2	796.4	819.3	842.2	873.8	882.3	925.3	979.7	1025.6	1071.4
72.5°	656.0	658.9	676.1	704.7	730.5	764.9	776.3	822.2	876.6	922.5	968.3
75°	535.7	538.6	561.5	595.9	624.5	656.0	670.4	719.1	773.5	822.2	873.8
77.5°	421.1	426.8	449.8	484.1	518.5	555.8	570.1	618.8	678.9	724.8	773.5
80°	315.1	320.9	346.6	383.9	421.1	455.5	472.7	521.4	584.4	630.2	684.7
82.5°	217.7	226.3	257.8	297.9	335.2	372.4	389.6	435.4	492.7	544.3	595.9
85°	134.6	146.1	177.6	220.6	260.7	295.1	312.3	361.0	415.4	464.1	512.8
87.5°	63.0	80.2	111.7	154.7	197.7	226.3	246.4	295.1	346.6	395.3	444.0
90°	0.0	25.8	57.3	100.3	143.2	169.0	191.9	237.8	289.3	335.2	381.0
92.5°	5.7	28.6	63.0	103.1	146.1	171.9	194.8	240.6	289.3	335.2	381.0
95°	14.3	31.5	65.9	108.9	151.8	177.6	197.7	243.5	292.2	338.0	381.0
97.5°	25.8	40.1	74.5	114.6	157.6	180.5	203.4	249.2	295.1	340.9	383.9
100°	34.4	45.8	80.2	120.3	163.3	186.2	209.1	252.1	297.9	343.8	383.9
102.5°	43.0	57.3	88.8	126.0	169.0	191.9	212.0	255.0	300.8	343.8	383.9
105°	54.4	65.9	94.5	134.6	174.8	197.7	217.7	260.7	303.7	346.6	383.9
107.5°	65.9	74.5	103.1	140.4	180.5	200.5	220.6	263.6	306.5	346.6	383.9
110°	80.2	85.9	111.7	146.1	183.3	206.3	226.3	266.4	306.5	346.6	383.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	94.5	94.5	120.3	151.8	189.1	209.1	229.2	269.3	309.4	346.6	383.9
115°	106.0	108.9	128.9	157.6	194.8	214.9	232.0	269.3	309.4	346.6	381.0
117.5°	120.3	120.3	140.4	163.3	197.7	217.7	237.8	272.2	309.4	343.8	378.1
120°	134.6	131.8	149.0	171.9	203.4	220.6	240.6	275.0	309.4	343.8	375.3
122.5°	149.0	143.2	154.7	177.6	206.3	226.3	240.6	275.0	309.4	340.9	372.4
125°	160.4	154.7	163.3	186.2	212.0	229.2	243.5	275.0	309.4	338.0	369.6
127.5°	171.9	166.2	174.8	191.9	214.9	229.2	246.4	275.0	309.4	335.2	363.8
130°	183.3	174.8	186.2	197.7	220.6	232.0	246.4	275.0	306.5	332.3	358.1
132.5°	191.9	183.3	194.8	203.4	223.5	234.9	249.2	275.0	303.7	329.4	355.2
135°	197.7	189.1	203.4	209.1	229.2	240.6	252.1	275.0	300.8	326.6	349.5
137.5°	203.4	191.9	209.1	214.9	232.0	243.5	252.1	272.2	297.9	320.9	343.8
140°	206.3	197.7	214.9	220.6	229.2	240.6	252.1	269.3	292.2	315.1	335.2
142.5°	209.1	197.7	217.7	223.5	229.2	237.8	249.2	263.6	286.5	306.5	326.6
145°	209.1	200.5	217.7	223.5	229.2	234.9	243.5	260.7	277.9	295.1	315.1
147.5°	209.1	203.4	220.6	226.3	232.0	232.0	237.8	255.0	269.3	286.5	303.7
150°	212.0	203.4	220.6	226.3	234.9	234.9	237.8	246.4	263.6	275.0	289.3
152.5°	209.1	206.3	217.7	229.2	234.9	237.8	237.8	240.6	255.0	266.4	277.9
155°	212.0	212.0	220.6	234.9	237.8	237.8	240.6	237.8	243.5	255.0	266.4
157.5°	217.7	223.5	223.5	237.8	243.5	243.5	246.4	243.5	240.6	243.5	255.0
160°	226.3	232.0	232.0	240.6	249.2	249.2	252.1	249.2	246.4	243.5	243.5
162.5°	234.9	240.6	240.6	243.5	252.1	255.0	257.8	255.0	252.1	246.4	243.5
165°	243.5	249.2	249.2	249.2	255.0	257.8	260.7	257.8	257.8	252.1	249.2
167.5°	252.1	257.8	257.8	255.0	257.8	260.7	263.6	260.7	260.7	257.8	252.1
170°	260.7	266.4	266.4	260.7	263.6	263.6	266.4	263.6	263.6	257.8	255.0
172.5°	266.4	272.2	269.3	266.4	266.4	266.4	266.4	263.6	260.7	255.0	255.0
175°	269.3	275.0	275.0	269.3	266.4	266.4	269.3	263.6	260.7	257.8	252.1
177.5°	269.3	275.0	275.0	269.3	269.3	266.4	269.3	266.4	266.4	260.7	255.0
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9	3136.9
2.5°	3125.4	3122.6	3105.4	3125.4	3125.4	3119.7	3142.6	3139.8	3136.9	3131.2
5°	3114.0	3111.1	3093.9	3114.0	3114.0	3111.1	3134.0	3136.9	3139.8	3134.0
7.5°	3096.8	3093.9	3076.7	3096.8	3096.8	3093.9	3119.7	3122.6	3125.4	3116.9
10°	3071.0	3068.2	3051.0	3071.0	3073.9	3071.0	3091.1	3093.9	3099.7	3088.2
12.5°	3036.6	3036.6	3019.5	3039.5	3042.4	3039.5	3059.6	3065.3	3071.0	3056.7
15°	2993.7	2996.5	2982.2	3002.3	3005.1	3005.1	3025.2	3028.0	3036.6	3016.6
17.5°	2942.1	2947.8	2936.4	2956.4	2959.3	2962.2	2973.6	2982.2	2990.8	2967.9
20°	2887.7	2890.5	2881.9	2899.1	2904.9	2902.0	2916.3	2927.8	2936.4	2913.5
22.5°	2821.8	2824.6	2816.1	2833.2	2839.0	2841.8	2853.3	2867.6	2873.3	2853.3
25°	2747.3	2758.8	2753.0	2770.2	2775.9	2775.9	2787.4	2801.7	2810.3	2781.7
27.5°	2675.7	2690.0	2684.3	2701.5	2707.2	2710.1	2715.8	2733.0	2741.6	2715.8
30°	2595.5	2612.7	2609.8	2627.0	2632.7	2629.8	2641.3	2658.5	2670.0	2641.3
32.5°	2506.7	2529.6	2526.7	2549.6	2555.4	2558.2	2566.8	2589.7	2601.2	2575.4
35°	2420.7	2446.5	2449.4	2475.1	2483.7	2486.6	2498.1	2521.0	2532.4	2506.7
37.5°	2331.9	2366.3	2374.9	2400.7	2409.3	2412.1	2423.6	2449.4	2460.8	2435.0
40°	2246.0	2286.1	2297.5	2320.5	2329.0	2337.6	2346.2	2372.0	2386.3	2360.6
42.5°	2160.0	2203.0	2217.3	2240.2	2248.8	2257.4	2268.9	2297.5	2309.0	2286.1
45°	2071.2	2117.1	2134.2	2157.2	2168.6	2177.2	2188.7	2214.5	2228.8	2205.9
47.5°	1982.4	2028.2	2045.4	2071.2	2082.7	2094.1	2102.7	2134.2	2148.6	2125.6
50°	1887.9	1939.4	1959.5	1982.4	1999.6	2008.2	2019.7	2048.3	2062.6	2042.6
52.5°	1793.3	1847.8	1870.7	1893.6	1910.8	1925.1	1930.8	1962.4	1976.7	1956.6
55°	1695.9	1750.4	1776.1	1801.9	1819.1	1836.3	1842.0	1873.5	1887.9	1859.2
57.5°	1598.5	1655.8	1681.6	1710.3	1724.6	1744.6	1753.2	1781.9	1796.2	1776.1
60°	1501.1	1555.6	1587.1	1612.9	1632.9	1650.1	1655.8	1687.3	1701.7	1675.9
62.5°	1400.9	1458.2	1489.7	1518.3	1535.5	1555.6	1564.2	1592.8	1604.3	1578.5
65°	1297.7	1355.0	1389.4	1415.2	1438.1	1455.3	1461.0	1492.5	1504.0	1478.2
67.5°	1194.6	1251.9	1289.1	1317.8	1337.8	1357.9	1363.6	1395.1	1406.6	1386.5
70°	1094.3	1151.6	1188.9	1223.3	1237.6	1257.6	1266.2	1294.9	1306.3	1289.1
72.5°	994.1	1051.4	1091.5	1125.8	1140.2	1160.2	1171.7	1194.6	1211.8	1197.5
75°	896.7	954.0	994.1	1028.4	1042.8	1062.8	1074.3	1097.2	1108.7	1097.2
77.5°	802.1	859.4	896.7	931.0	948.2	965.4	976.9	999.8	1014.1	1002.7
80°	710.5	767.8	805.0	836.5	853.7	870.9	882.3	908.1	919.6	911.0
82.5°	624.5	678.9	719.1	750.6	767.8	784.9	796.4	819.3	833.6	822.2
85°	547.2	601.6	638.8	670.4	684.7	701.9	713.3	736.2	747.7	742.0
87.5°	472.7	521.4	564.4	595.9	610.2	627.4	641.7	658.9	673.2	664.6
90°	415.4	458.4	498.5	530.0	547.2	564.4	581.5	598.7	610.2	604.5
92.5°	418.3	458.4	495.6	524.3	541.4	558.6	575.8	595.9	604.5	598.7
95°	418.3	458.4	495.6	524.3	541.4	558.6	575.8	595.9	604.5	598.7
97.5°	418.3	458.4	495.6	524.3	541.4	558.6	575.8	595.9	604.5	595.9
100°	418.3	458.4	495.6	524.3	541.4	555.8	573.0	593.0	601.6	595.9
102.5°	418.3	458.4	492.7	521.4	538.6	552.9	570.1	590.1	598.7	593.0
105°	418.3	455.5	492.7	518.5	535.7	550.0	567.2	584.4	593.0	587.3
107.5°	415.4	452.6	487.0	515.7	530.0	544.3	561.5	578.7	587.3	581.5
110°	415.4	449.8	484.1	509.9	524.3	538.6	555.8	573.0	581.5	575.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	412.5	446.9	481.3	504.2	518.5	532.8	547.2	567.2	575.8	570.1
115°	409.7	444.0	475.5	498.5	512.8	524.3	541.4	561.5	567.2	564.4
117.5°	406.8	438.3	469.8	492.7	507.1	518.5	532.8	550.0	558.6	555.8
120°	403.9	432.6	464.1	484.1	498.5	509.9	521.4	538.6	547.2	541.4
122.5°	398.2	426.8	458.4	478.4	489.9	501.3	512.8	527.1	535.7	532.8
125°	392.5	421.1	449.8	469.8	481.3	489.9	501.3	515.7	521.4	518.5
127.5°	386.7	415.4	441.2	458.4	472.7	481.3	489.9	504.2	509.9	507.1
130°	381.0	406.8	432.6	449.8	461.2	469.8	478.4	492.7	495.6	495.6
132.5°	375.3	398.2	424.0	441.2	452.6	458.4	467.0	478.4	484.1	481.3
135°	369.6	389.6	415.4	429.7	438.3	446.9	455.5	467.0	469.8	469.8
137.5°	361.0	381.0	403.9	418.3	426.8	432.6	441.2	452.6	455.5	455.5
140°	352.4	372.4	392.5	403.9	415.4	421.1	426.8	438.3	441.2	441.2
142.5°	343.8	361.0	381.0	392.5	403.9	406.8	415.4	424.0	426.8	426.8
145°	332.3	352.4	369.6	381.0	389.6	392.5	401.1	409.7	409.7	412.5
147.5°	318.0	335.2	358.1	366.7	375.3	378.1	386.7	392.5	395.3	395.3
150°	303.7	320.9	340.9	355.2	363.8	366.7	369.6	378.1	378.1	381.0
152.5°	289.3	303.7	323.7	338.0	349.5	352.4	355.2	361.0	361.0	363.8
155°	275.0	286.5	303.7	318.0	329.4	335.2	340.9	346.6	346.6	349.5
157.5°	263.6	275.0	289.3	300.8	309.4	318.0	326.6	332.3	332.3	332.3
160°	249.2	257.8	272.2	280.7	292.2	297.9	312.3	318.0	318.0	320.9
162.5°	240.6	243.5	252.1	260.7	269.3	275.0	289.3	303.7	303.7	306.5
165°	243.5	240.6	243.5	246.4	252.1	255.0	263.6	283.6	289.3	292.2
167.5°	249.2	240.6	240.6	240.6	246.4	246.4	255.0	266.4	286.5	280.7
170°	249.2	240.6	234.9	234.9	237.8	234.9	240.6	249.2	260.7	272.2
172.5°	252.1	243.5	234.9	223.5	226.3	223.5	217.7	217.7	220.6	257.8
175°	249.2	243.5	232.0	217.7	214.9	206.3	189.1	174.8	166.2	128.9
177.5°	246.4	237.8	229.2	217.7	212.0	203.4	183.3	160.4	137.5	131.8
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



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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	16.08	17.40	16.70	18.03	18.75	18.71	20.03	19.32	20.66	21.38
	3H	17.48	18.68	18.11	19.33	20.08	21.17	22.37	21.80	23.01	23.77
	4H	17.91	19.05	18.56	19.70	20.47	22.34	23.48	22.99	24.13	24.90
	6H	18.15	19.20	18.81	19.87	20.65	23.52	24.58	24.18	25.24	26.03
	8H	18.19	19.20	18.86	19.89	20.68	24.11	25.12	24.78	25.81	26.60
	12H	18.20	19.17	18.88	19.85	20.67	24.74	25.71	25.42	26.39	27.21
4H	2H	16.98	18.12	17.63	18.77	19.54	19.05	20.19	19.70	20.85	21.61
	3H	18.60	19.57	19.27	20.26	21.05	21.72	22.68	22.38	23.37	24.16
	4H	19.16	20.04	19.84	20.74	21.56	23.03	23.92	23.71	24.61	25.43
	6H	19.50	20.28	20.19	21.00	21.82	24.38	25.16	25.08	25.88	26.71
	8H	19.57	20.30	20.28	21.02	21.86	25.07	25.81	25.78	26.52	27.36
	12H	19.60	20.27	20.33	21.01	21.86	25.83	26.49	26.55	27.23	28.08
8H	4H	19.82	20.55	20.53	21.27	22.11	23.18	23.91	23.88	24.63	25.47
	6H	20.33	20.94	21.06	21.70	22.55	24.67	25.29	25.41	26.05	26.89
	8H	20.48	21.04	21.23	21.80	22.66	25.48	26.04	26.23	26.80	27.66
	12H	20.57	21.06	21.32	21.82	22.73	26.39	26.89	27.14	27.64	28.56
12H	4H	19.99	20.66	20.72	21.40	22.25	23.17	23.83	23.90	24.58	25.42
	6H	20.59	21.15	21.34	21.91	22.77	24.69	25.25	25.44	26.01	26.87
	8H	20.83	21.32	21.57	22.07	22.99	25.55	26.05	26.30	26.80	27.72