

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: P894549

Luminaire Tested: 8TMB-12SL-RNDU-UNV-L830

Issue Date: 11/11/2024

**Test Information**

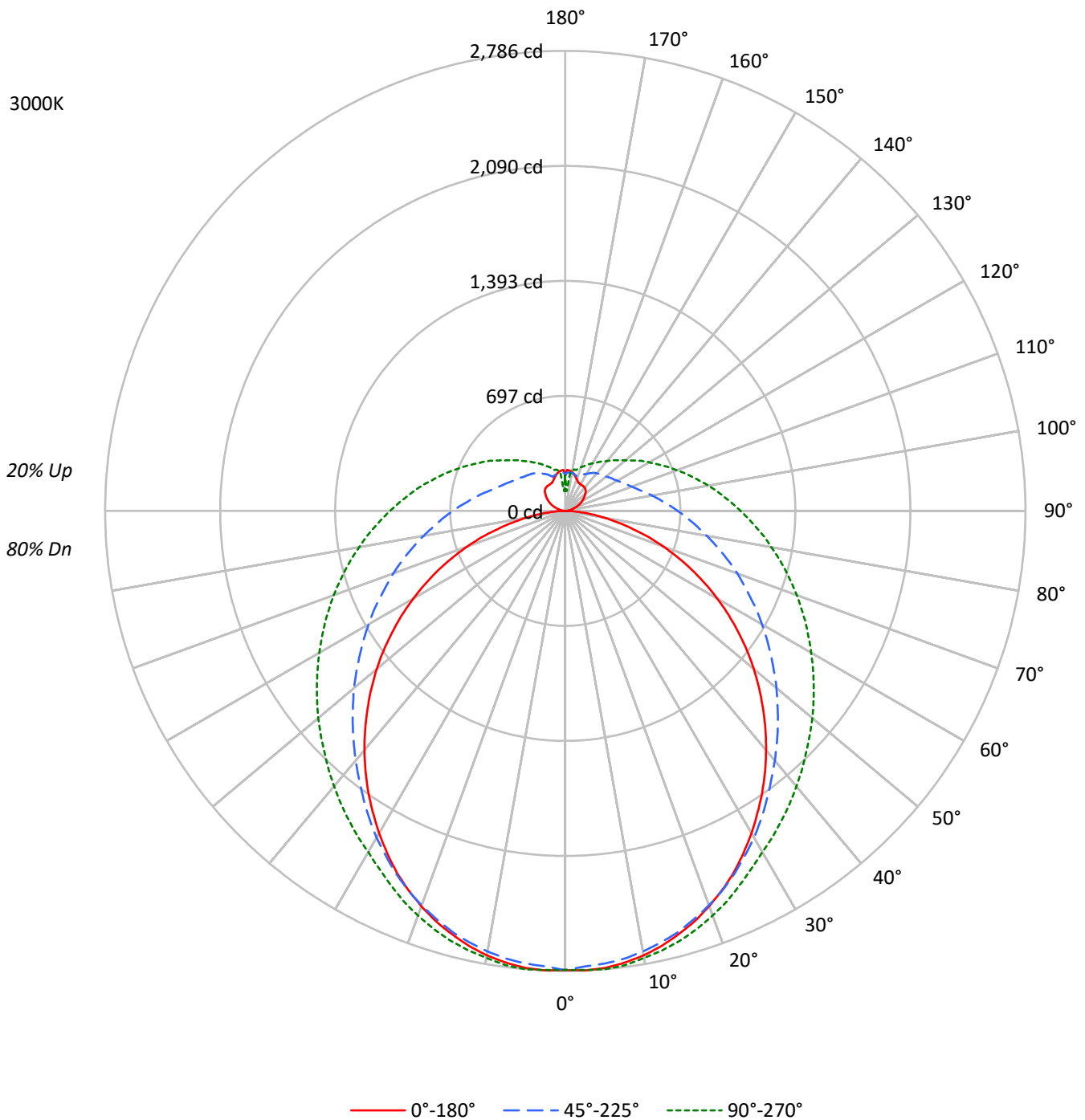
Test Method: LM-79-2019  
Report Number: P894549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-12SL-RNDU-UNV-L830  
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11694.0 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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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### 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

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

	0°	45°	90°
0°	9865	9865	9865
5°	9870	9463	9468
10°	9800	9108	9030
15°	9679	8747	8626
20°	9528	8363	8211
25°	9342	7976	7795
30°	9097	7586	7427
35°	8844	7182	7155
40°	8573	6818	6908
45°	8279	6496	6689
50°	7973	6210	6519
55°	7620	5946	6371
60°	7220	5732	6260
65°	6730	5545	6198
70°	6119	5436	6178
75°	5288	5364	6205
80°	4284	5385	6303
85°	2985	5557	6509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8279 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.0	2.2
10°-20°	750.1	6.4
20°-30°	1126.1	9.6
30°-40°	1354.2	11.6
40°-50°	1434.7	12.3
50°-60°	1381.7	11.8
60°-70°	1222.8	10.5
70°-80°	1003.0	8.6
80°-90°	778.3	6.7
90°-100°	604.1	5.2
100°-110°	478.6	4.1
110°-120°	381.3	3.3
120°-130°	302.9	2.6
130°-140°	236.5	2.0
140°-150°	174.1	1.5
150°-160°	115.1	1.0
160°-170°	66.2	0.6
170°-180°	21.3	0.2
0°-30°	2139.2	18.3
0°-40°	3493.4	29.9
0°-60°	6309.8	54.0
0°-90°	9313.9	79.6
90°-120°	1464.0	12.5
90°-150°	2177.4	18.6
90°-180°	2380.0	20.4
0°-180°	11694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2780	2780	2780	2780	2780	
5°	2778	2780	2751	2772	2786	264
15°	2653	2656	2640	2680	2693	748
25°	2415	2423	2423	2484	2500	1111
35°	2079	2106	2130	2241	2286	1300
45°	1693	1733	1820	1992	2063	1306
55°	1278	1341	1518	1743	1836	1143
65°	846	963	1235	1495	1606	838
75°	423	635	984	1262	1378	453
85°	95	384	770	1050	1161	109
90°	3	302	680	952	1061	7
95°	13	249	600	860	966	14
105°	48	201	474	704	796	51
115°	95	193	394	574	651	93
125°	138	201	344	474	532	123
135°	175	214	310	397	434	133
145°	185	212	280	341	362	116
155°	188	220	241	291	307	88
165°	222	235	228	228	257	62
175°	246	243	233	193	130	23
180°	214	214	214	214	214	



TEST NUMBER: P894549  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3
2.5°	2785.6	2782.9	2788.2	2793.5	2809.4	2788.2	2798.8	2769.7	2772.3	2775.0	2761.7
5°	2777.6	2769.7	2777.6	2782.9	2796.1	2780.3	2790.8	2759.1	2761.7	2767.0	2751.2
7.5°	2759.1	2751.2	2756.5	2761.7	2775.0	2759.1	2772.3	2740.6	2745.9	2748.5	2735.3
10°	2732.7	2722.1	2727.4	2735.3	2745.9	2732.7	2743.2	2714.1	2716.8	2722.1	2708.8
12.5°	2698.3	2687.7	2693.0	2698.3	2711.5	2698.3	2708.8	2679.7	2685.0	2690.3	2677.1
15°	2653.3	2642.7	2648.0	2653.3	2663.9	2655.9	2666.5	2637.4	2642.7	2653.3	2640.1
17.5°	2605.7	2589.8	2595.1	2603.0	2613.6	2608.3	2616.3	2592.4	2595.1	2605.7	2592.4
20°	2547.5	2531.6	2536.9	2544.8	2555.4	2552.8	2558.1	2536.9	2542.2	2555.4	2542.2
22.5°	2484.0	2468.1	2473.4	2484.0	2491.9	2491.9	2494.6	2478.7	2484.0	2497.2	2486.6
25°	2415.2	2399.3	2404.6	2415.2	2423.1	2423.1	2428.4	2412.6	2420.5	2433.7	2423.1
27.5°	2335.8	2327.9	2327.9	2338.5	2343.8	2349.1	2351.7	2338.5	2349.1	2362.3	2354.4
30°	2253.8	2243.3	2248.6	2261.8	2261.8	2272.4	2272.4	2261.8	2275.0	2290.9	2285.6
32.5°	2166.5	2158.6	2161.3	2177.1	2177.1	2190.4	2187.7	2182.4	2195.6	2214.2	2208.9
35°	2079.2	2071.3	2074.0	2089.8	2089.8	2105.7	2100.4	2100.4	2113.6	2134.8	2129.5
37.5°	1986.7	1981.4	1984.0	1999.9	1999.9	2015.8	2010.5	2013.1	2029.0	2052.8	2050.1
40°	1891.4	1886.1	1891.4	1904.7	1909.9	1923.2	1917.9	1923.2	1944.3	1965.5	1973.4
42.5°	1793.5	1790.9	1796.2	1809.4	1814.7	1827.9	1825.3	1833.2	1854.4	1886.1	1896.7
45°	1693.0	1693.0	1698.3	1711.5	1716.8	1732.7	1730.1	1740.6	1767.1	1801.5	1820.0
47.5°	1592.5	1595.1	1597.8	1613.7	1613.7	1640.1	1632.2	1648.1	1682.4	1722.1	1743.3
50°	1489.3	1494.6	1497.3	1510.5	1515.8	1539.6	1534.3	1560.8	1597.8	1640.1	1669.2
52.5°	1386.2	1391.5	1396.7	1407.3	1412.6	1441.7	1436.4	1470.8	1515.8	1560.8	1592.5
55°	1277.7	1288.3	1290.9	1304.2	1312.1	1341.2	1341.2	1380.9	1428.5	1478.8	1518.4
57.5°	1171.9	1182.5	1185.1	1201.0	1211.6	1246.0	1251.3	1296.2	1349.1	1399.4	1447.0
60°	1063.4	1076.7	1079.3	1095.2	1113.7	1150.7	1158.7	1208.9	1267.1	1320.0	1375.6
62.5°	955.0	968.2	973.5	989.4	1018.5	1055.5	1068.7	1126.9	1187.8	1246.0	1306.8
65°	846.5	859.7	867.7	888.8	923.2	962.9	981.4	1042.3	1111.0	1171.9	1235.4
67.5°	738.1	753.9	764.5	791.0	835.9	878.3	896.8	965.6	1037.0	1103.1	1169.2
70°	632.2	648.1	661.3	695.7	748.6	791.0	814.8	888.8	962.9	1034.3	1108.4
72.5°	529.1	544.9	563.5	605.8	664.0	711.6	738.1	814.8	896.8	968.2	1044.9
75°	423.3	441.8	462.9	521.1	587.3	634.9	664.0	746.0	830.6	902.1	984.1
77.5°	328.0	346.5	378.3	436.5	510.6	563.5	595.2	682.5	769.8	841.2	925.9
80°	240.7	259.2	301.6	365.1	441.8	492.0	531.7	621.7	711.6	785.7	870.3
82.5°	164.0	182.5	232.8	301.6	383.6	433.8	470.9	566.1	656.0	732.8	817.4
85°	95.2	121.7	174.6	248.7	333.3	383.6	420.6	518.5	605.8	682.5	769.8
87.5°	42.3	74.1	132.3	206.3	291.0	338.6	378.3	468.2	560.8	637.5	724.8
90°	2.6	42.3	103.2	174.6	256.6	301.6	338.6	428.5	515.8	595.2	679.9
92.5°	5.3	29.1	84.7	150.8	227.5	272.5	309.5	394.2	476.2	558.2	640.2
95°	13.2	29.1	74.1	134.9	206.3	248.7	283.1	365.1	441.8	521.1	600.5
97.5°	21.2	31.7	71.4	127.0	190.5	230.1	261.9	338.6	415.3	486.7	566.1
100°	29.1	39.7	71.4	121.7	179.9	216.9	246.0	317.4	388.9	455.0	534.4
102.5°	37.0	47.6	76.7	121.7	174.6	206.3	235.4	301.6	367.7	428.5	502.6
105°	47.6	55.6	82.0	121.7	169.3	201.0	224.9	285.7	349.2	407.4	473.5
107.5°	58.2	63.5	87.3	124.3	169.3	195.8	219.6	275.1	333.3	386.2	449.7
110°	71.4	74.1	95.2	129.6	169.3	193.1	214.3	267.2	320.1	370.3	428.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	82.0	82.0	103.2	134.9	169.3	193.1	211.6	259.2	309.5	354.5	410.0
115°	95.2	95.2	111.1	140.2	171.9	193.1	211.6	256.6	301.6	341.3	394.2
117.5°	105.8	105.8	121.7	145.5	177.2	195.8	211.6	251.3	293.6	330.7	378.3
120°	116.4	116.4	127.0	150.8	179.9	198.4	211.6	248.7	285.7	322.7	365.1
122.5°	127.0	127.0	134.9	158.7	182.5	198.4	211.6	246.0	280.4	312.2	351.8
125°	137.6	137.6	142.8	164.0	187.8	201.0	214.3	246.0	277.8	304.2	343.9
127.5°	148.1	145.5	153.4	171.9	190.5	203.7	216.9	246.0	272.5	298.9	333.3
130°	156.1	153.4	164.0	177.2	195.8	206.3	216.9	243.4	269.8	293.6	322.7
132.5°	166.7	161.4	174.6	179.9	201.0	211.6	219.6	243.4	267.2	288.3	317.4
135°	174.6	169.3	182.5	187.8	203.7	214.3	222.2	243.4	264.5	285.7	309.5
137.5°	179.9	177.2	190.5	195.8	206.3	216.9	224.9	243.4	261.9	280.4	304.2
140°	182.5	179.9	190.5	201.0	206.3	216.9	222.2	240.7	259.2	275.1	296.3
142.5°	185.2	185.2	193.1	203.7	206.3	214.3	222.2	238.1	254.0	267.2	291.0
145°	185.2	185.2	193.1	206.3	209.0	211.6	216.9	232.8	246.0	259.2	280.4
147.5°	185.2	185.2	195.8	206.3	211.6	214.3	211.6	227.5	240.7	251.3	269.8
150°	185.2	185.2	195.8	206.3	214.3	216.9	214.3	222.2	232.8	243.4	259.2
152.5°	187.8	187.8	195.8	206.3	214.3	216.9	216.9	216.9	224.9	235.4	251.3
155°	187.8	190.5	195.8	211.6	216.9	219.6	219.6	219.6	216.9	227.5	240.7
157.5°	195.8	198.4	201.0	214.3	219.6	222.2	222.2	222.2	219.6	216.9	230.1
160°	203.7	206.3	209.0	219.6	224.9	227.5	227.5	227.5	222.2	219.6	219.6
162.5°	211.6	216.9	216.9	222.2	227.5	230.1	230.1	232.8	227.5	224.9	222.2
165°	222.2	224.9	224.9	227.5	232.8	235.4	232.8	235.4	232.8	230.1	227.5
167.5°	230.1	232.8	232.8	235.4	235.4	238.1	238.1	238.1	235.4	232.8	232.8
170°	238.1	240.7	240.7	240.7	240.7	240.7	240.7	240.7	238.1	232.8	232.8
172.5°	243.4	246.0	246.0	243.4	243.4	243.4	243.4	240.7	235.4	232.8	232.8
175°	246.0	248.7	248.7	246.0	243.4	243.4	243.4	240.7	235.4	232.8	232.8
177.5°	248.7	251.3	248.7	248.7	243.4	243.4	243.4	243.4	238.1	235.4	232.8
180°	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3	2780.3
2.5°	2777.6	2745.9	2767.0	2769.7	2780.3	2769.7	2777.6	2769.7	2790.8	2782.9
5°	2767.0	2737.9	2756.5	2759.1	2772.3	2759.1	2772.3	2767.0	2793.5	2785.6
7.5°	2748.5	2724.7	2740.6	2743.2	2759.1	2745.9	2759.1	2753.8	2785.6	2775.0
10°	2722.1	2703.6	2719.4	2722.1	2737.9	2724.7	2735.3	2730.0	2764.4	2748.5
12.5°	2693.0	2677.1	2690.3	2693.0	2711.5	2698.3	2711.5	2706.2	2740.6	2724.7
15°	2650.6	2642.7	2655.9	2661.2	2679.7	2669.2	2682.4	2677.1	2714.1	2693.0
17.5°	2608.3	2603.0	2616.3	2621.5	2642.7	2629.5	2642.7	2637.4	2674.5	2653.3
20°	2555.4	2552.8	2566.0	2573.9	2592.4	2579.2	2595.1	2589.8	2629.5	2608.3
22.5°	2499.9	2499.9	2510.4	2518.4	2536.9	2526.3	2542.2	2539.5	2579.2	2558.1
25°	2439.0	2441.7	2452.2	2462.8	2484.0	2476.1	2489.3	2489.3	2526.3	2499.9
27.5°	2370.2	2383.5	2391.4	2404.6	2423.1	2415.2	2428.4	2431.1	2468.1	2441.7
30°	2298.8	2317.3	2325.3	2341.1	2357.0	2357.0	2370.2	2375.5	2412.6	2386.1
32.5°	2224.7	2245.9	2256.5	2277.6	2298.8	2298.8	2317.3	2325.3	2362.3	2338.5
35°	2150.7	2179.8	2193.0	2219.5	2240.6	2243.3	2261.8	2272.4	2309.4	2285.6
37.5°	2079.2	2116.3	2129.5	2161.3	2179.8	2185.1	2206.2	2219.5	2253.8	2232.7
40°	2005.2	2050.1	2066.0	2100.4	2116.3	2126.9	2148.0	2163.9	2195.6	2177.1
42.5°	1933.8	1984.0	1999.9	2036.9	2055.4	2066.0	2087.2	2108.3	2140.1	2121.6
45°	1862.3	1917.9	1936.4	1976.1	1992.0	2007.8	2031.6	2050.1	2079.2	2063.4
47.5°	1793.5	1851.7	1870.3	1912.6	1931.1	1949.6	1970.8	1997.2	2023.7	2007.8
50°	1722.1	1783.0	1806.8	1851.7	1867.6	1888.8	1915.2	1939.0	1965.5	1952.3
52.5°	1653.3	1716.8	1740.6	1788.3	1806.8	1827.9	1854.4	1880.8	1904.7	1894.1
55°	1579.3	1648.1	1674.5	1724.8	1743.3	1764.5	1793.5	1822.6	1843.8	1835.9
57.5°	1510.5	1581.9	1608.4	1663.9	1679.8	1706.3	1735.4	1767.1	1785.6	1777.7
60°	1441.7	1513.1	1544.9	1600.4	1619.0	1645.4	1674.5	1708.9	1724.8	1719.5
62.5°	1372.9	1447.0	1481.4	1539.6	1555.5	1584.6	1619.0	1648.1	1663.9	1661.3
65°	1309.5	1380.9	1420.6	1478.8	1494.6	1526.4	1558.1	1589.9	1605.7	1605.7
67.5°	1243.3	1320.0	1359.7	1420.6	1433.8	1468.2	1502.6	1534.3	1547.5	1547.5
70°	1182.5	1256.5	1301.5	1362.4	1375.6	1407.3	1444.4	1478.8	1489.3	1492.0
72.5°	1121.6	1195.7	1243.3	1306.8	1320.0	1351.8	1386.2	1423.2	1431.1	1433.8
75°	1063.4	1137.5	1185.1	1248.6	1261.8	1293.6	1330.6	1365.0	1375.6	1378.2
77.5°	1005.2	1079.3	1132.2	1193.1	1206.3	1238.0	1275.1	1309.5	1317.4	1322.7
80°	952.3	1023.8	1074.0	1140.1	1153.4	1185.1	1219.5	1253.9	1259.2	1267.1
82.5°	899.4	970.8	1023.8	1087.2	1100.5	1132.2	1166.6	1201.0	1206.3	1216.9
85°	849.2	920.6	973.5	1034.3	1050.2	1079.3	1116.3	1148.1	1153.4	1161.3
87.5°	804.2	870.3	925.9	984.1	999.9	1029.0	1066.1	1097.8	1100.5	1111.0
90°	756.6	822.7	878.3	936.5	952.3	978.8	1015.8	1047.6	1052.9	1060.8
92.5°	716.9	777.7	835.9	891.5	904.7	933.8	968.2	999.9	1005.2	1013.2
95°	674.6	735.4	793.6	846.5	859.7	888.8	920.6	952.3	957.6	965.6
97.5°	637.5	695.7	751.3	804.2	817.4	843.9	878.3	907.4	912.6	923.2
100°	603.1	658.7	716.9	764.5	777.7	804.2	835.9	865.0	870.3	880.9
102.5°	571.4	624.3	679.9	724.8	740.7	764.5	796.3	822.7	828.0	835.9
105°	542.3	592.6	645.5	687.8	703.7	727.5	756.6	783.0	788.3	796.3
107.5°	513.2	560.8	611.1	653.4	666.6	687.8	716.9	743.3	748.6	759.2
110°	486.7	534.4	582.0	621.7	637.5	653.4	682.5	706.3	711.6	719.5





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	462.9	505.3	552.9	589.9	603.1	621.7	645.5	669.3	674.6	685.1
115°	441.8	481.5	529.1	563.5	574.0	589.9	616.4	637.5	642.8	650.8
117.5°	423.3	457.6	500.0	534.4	547.6	560.8	584.6	603.1	611.1	616.4
120°	407.4	439.1	476.2	507.9	523.8	534.4	555.5	574.0	582.0	587.3
122.5°	391.5	420.6	455.0	484.1	497.3	505.3	529.1	544.9	552.9	560.8
125°	378.3	404.7	436.5	460.3	473.5	481.5	502.6	518.5	526.4	531.7
127.5°	365.1	388.9	420.6	439.1	452.4	457.6	476.2	492.0	500.0	502.6
130°	351.8	375.6	402.1	420.6	431.2	439.1	455.0	465.6	473.5	476.2
132.5°	341.3	362.4	386.2	404.7	415.3	418.0	433.8	444.4	452.4	455.0
135°	333.3	349.2	373.0	388.9	396.8	402.1	415.3	423.3	431.2	433.8
137.5°	322.7	338.6	359.8	370.3	380.9	383.6	396.8	404.7	412.7	415.3
140°	314.8	328.0	346.5	357.1	367.7	367.7	378.3	386.2	394.2	394.2
142.5°	306.9	320.1	336.0	346.5	354.5	354.5	365.1	370.3	378.3	378.3
145°	296.3	309.5	325.4	333.3	341.3	341.3	349.2	354.5	362.4	362.4
147.5°	285.7	298.9	314.8	320.1	328.0	328.0	336.0	341.3	346.5	346.5
150°	272.5	283.1	301.6	309.5	317.4	317.4	322.7	328.0	333.3	333.3
152.5°	261.9	269.8	285.7	296.3	304.2	304.2	309.5	314.8	320.1	320.1
155°	248.7	256.6	269.8	283.1	291.0	293.6	298.9	301.6	306.9	306.9
157.5°	238.1	246.0	256.6	267.2	275.1	280.4	288.3	291.0	293.6	293.6
160°	224.9	230.1	240.7	251.3	259.2	264.5	277.8	280.4	283.1	283.1
162.5°	219.6	219.6	224.9	232.8	240.7	243.4	256.6	267.2	272.5	269.8
165°	222.2	219.6	219.6	222.2	227.5	230.1	238.1	254.0	259.2	256.6
167.5°	227.5	222.2	219.6	219.6	224.9	224.9	232.8	246.0	261.9	256.6
170°	227.5	219.6	214.3	214.3	216.9	216.9	222.2	230.1	246.0	248.7
172.5°	224.9	219.6	211.6	201.0	203.7	201.0	198.4	203.7	206.3	232.8
175°	227.5	219.6	211.6	198.4	193.1	185.2	171.9	161.4	158.7	129.6
177.5°	224.9	216.9	206.3	195.8	190.5	179.9	164.0	145.5	134.9	119.0
180°	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3	214.3



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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	14.91	16.22	15.55	16.88	17.65	18.53	19.84	19.17	20.51	21.28
	3H	16.26	17.45	16.91	18.13	18.93	21.49	22.68	22.14	23.36	24.16
	4H	16.66	17.80	17.33	18.48	19.30	22.99	24.13	23.67	24.82	25.63
	6H	16.87	17.94	17.56	18.63	19.46	24.60	25.67	25.29	26.36	27.19
	8H	16.91	17.93	17.60	18.64	19.48	25.45	26.47	26.15	27.19	28.02
	12H	16.91	17.89	17.61	18.60	19.46	26.40	27.37	27.10	28.09	28.95
4H	2H	16.07	17.20	16.74	17.89	18.71	18.85	19.99	19.52	20.67	21.49
	3H	17.71	18.68	18.39	19.41	20.24	22.03	23.01	22.72	23.73	24.56
	4H	18.27	19.18	18.98	19.90	20.76	23.71	24.61	24.41	25.34	26.20
	6H	18.62	19.41	19.34	20.16	21.03	25.53	26.33	26.25	27.08	27.95
	8H	18.69	19.44	19.41	20.19	21.07	26.51	27.26	27.23	28.00	28.89
	12H	18.71	19.40	19.46	20.17	21.06	27.59	28.28	28.34	29.05	29.93
8H	4H	19.38	20.13	20.11	20.88	21.76	23.88	24.63	24.61	25.38	26.26
	6H	19.99	20.63	20.74	21.42	22.30	25.88	26.52	26.63	27.30	28.19
	8H	20.19	20.76	20.95	21.55	22.45	27.00	27.57	27.76	28.36	29.26
	12H	20.30	20.82	21.07	21.59	22.55	28.27	28.79	29.04	29.57	30.53
12H	4H	19.75	20.43	20.49	21.20	22.09	23.87	24.56	24.62	25.33	26.22
	6H	20.53	21.10	21.29	21.89	22.79	25.91	26.49	26.67	27.27	28.17
	8H	20.85	21.37	21.62	22.15	23.11	27.09	27.60	27.86	28.38	29.34