

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: P894501

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894501
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-L830
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 30
Light Source: -
Ballast/Driver: -

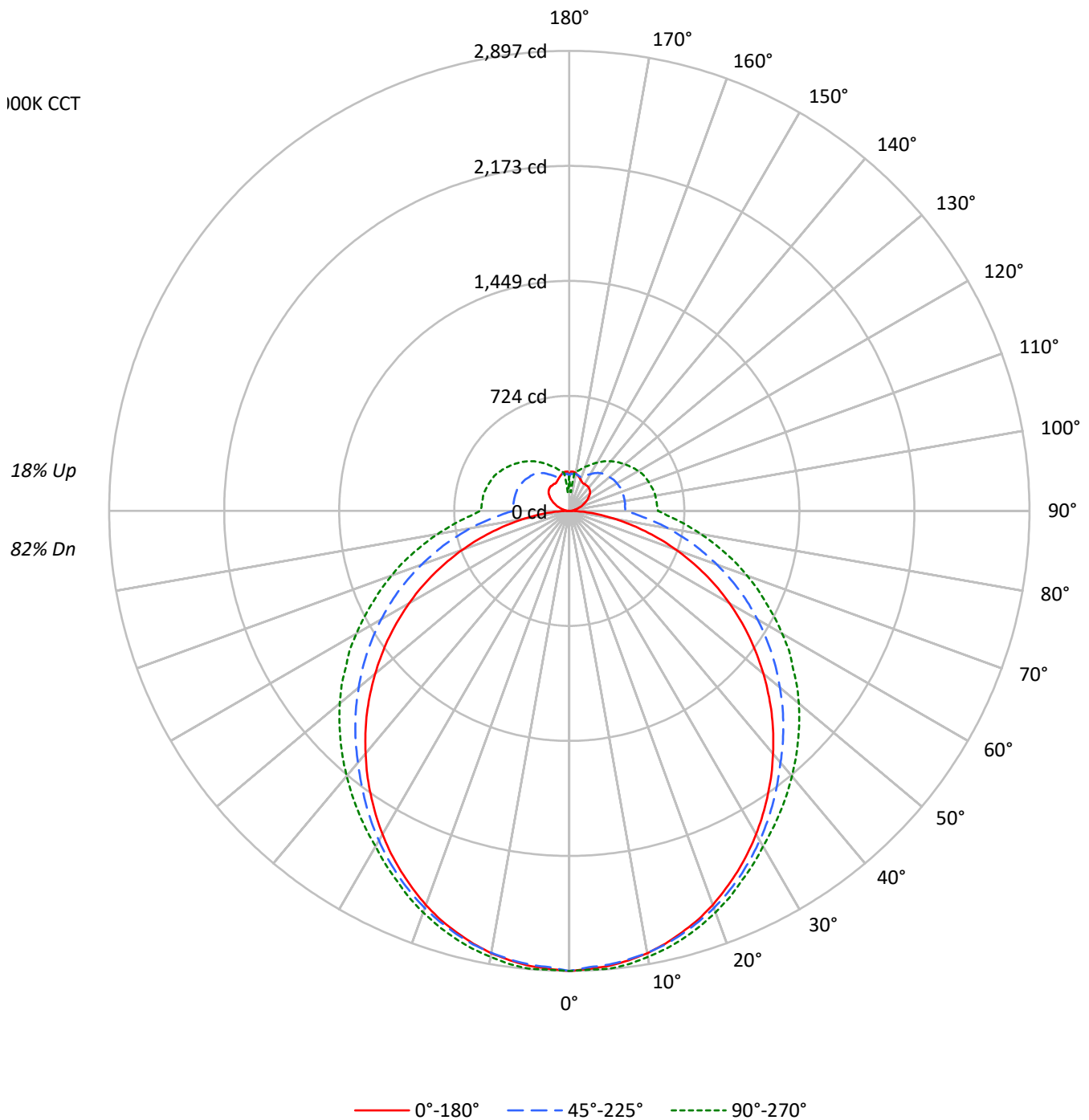
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10953.0 lumens
Efficiency: N/A
Efficacy: 123.3 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_{in}): 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

TEST NUMBER: P894501
CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

Luminous Intensity Polar Plot





TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

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°	10280	10280	10280
5°	10220	9865	9838
10°	10144	9501	9371
15°	10018	9134	8924
20°	9877	8757	8471
25°	9692	8362	8011
30°	9494	7957	7593
35°	9274	7550	7248
40°	9042	7149	6918
45°	8812	6799	6604
50°	8541	6438	6300
55°	8252	6082	5959
60°	7904	5700	5635
65°	7489	5297	5270
70°	6940	4853	4930
75°	6181	4399	4563
80°	5179	3913	4186
85°	3900	3419	3841

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8812 cd/sqm



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	2.5
10°-20°	781.5	7.1
20°-30°	1174.0	10.7
30°-40°	1409.7	12.9
40°-50°	1482.4	13.5
50°-60°	1392.8	12.7
60°-70°	1158.1	10.6
70°-80°	826.4	7.5
80°-90°	491.9	4.5
90°-100°	356.1	3.3
100°-110°	351.4	3.2
110°-120°	330.0	3.0
120°-130°	292.4	2.7
130°-140°	242.4	2.2
140°-150°	181.4	1.7
150°-160°	119.3	1.1
160°-170°	67.7	0.6
170°-180°	21.6	0.2
0°-30°	2229.4	20.4
0°-40°	3639.2	33.2
0°-60°	6514.3	59.5
0°-90°	8990.8	82.1
90°-120°	1037.5	9.5
90°-150°	1753.7	16.0
90°-180°	1962.0	17.9
0°-180°	10953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2876	2910	2868	2876	2895	273
15°	2746	2789	2757	2776	2786	775
25°	2506	2553	2540	2564	2569	1154
35°	2180	2230	2238	2294	2315	1364
45°	1802	1852	1905	2003	2037	1389
55°	1384	1439	1553	1680	1717	1236
65°	942	1019	1180	1328	1365	932
75°	495	606	807	963	1013	526
85°	124	272	474	632	685	136
90°	0	156	352	505	558	9
95°	13	164	352	500	553	15
105°	50	183	354	495	542	54
115°	98	198	352	474	521	98
125°	148	212	341	444	479	132
135°	183	222	323	405	434	141
145°	193	217	291	360	381	121
155°	196	220	246	304	323	92
165°	225	238	230	233	270	63
175°	249	246	233	198	119	23
180°	217	217	217	217	217	



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3
2.5°	2886.7	2894.6	2897.3	2923.7	2913.1	2923.7	2905.2	2884.0	2878.7	2892.0	2876.1
5°	2876.1	2884.0	2886.7	2913.1	2902.5	2910.5	2894.6	2873.4	2868.1	2884.0	2868.1
7.5°	2854.9	2862.9	2865.5	2894.6	2881.4	2892.0	2873.4	2852.3	2849.6	2865.5	2849.6
10°	2828.5	2836.4	2839.0	2865.5	2854.9	2865.5	2847.0	2825.8	2823.2	2841.7	2825.8
12.5°	2791.4	2799.4	2804.6	2831.1	2817.9	2831.1	2809.9	2788.8	2791.4	2807.3	2796.7
15°	2746.4	2757.0	2759.7	2786.1	2775.5	2788.8	2767.6	2746.4	2751.7	2767.6	2757.0
17.5°	2698.8	2709.4	2712.0	2735.9	2725.3	2741.1	2717.3	2698.8	2704.1	2720.0	2712.0
20°	2640.6	2651.2	2656.5	2680.3	2669.7	2685.6	2661.8	2645.9	2651.2	2669.7	2661.8
22.5°	2574.5	2590.3	2593.0	2619.4	2606.2	2622.1	2598.3	2585.0	2593.0	2611.5	2603.6
25°	2505.7	2521.5	2524.2	2550.6	2540.1	2553.3	2529.5	2516.2	2526.8	2545.3	2540.1
27.5°	2431.6	2447.5	2452.7	2476.6	2466.0	2481.8	2455.4	2447.5	2458.0	2476.6	2471.3
30°	2352.2	2368.1	2370.7	2394.5	2386.6	2402.5	2378.7	2368.1	2384.0	2402.5	2397.2
32.5°	2267.5	2283.4	2291.3	2312.5	2304.6	2317.8	2296.6	2291.3	2304.6	2323.1	2320.4
35°	2180.2	2196.1	2204.0	2227.8	2217.3	2230.5	2209.3	2204.0	2225.2	2238.4	2238.4
37.5°	2090.3	2106.1	2114.1	2137.9	2124.7	2140.5	2119.4	2116.7	2140.5	2153.8	2153.8
40°	1995.0	2013.5	2021.5	2042.6	2032.0	2045.3	2026.8	2029.4	2050.6	2066.4	2069.1
42.5°	1899.8	1918.3	1926.2	1950.0	1936.8	1950.0	1934.1	1936.8	1960.6	1976.5	1989.7
45°	1801.9	1817.7	1825.7	1852.1	1836.3	1852.1	1836.3	1841.5	1865.4	1889.2	1905.0
47.5°	1698.7	1714.5	1727.8	1748.9	1735.7	1748.9	1738.4	1746.3	1775.4	1799.2	1820.4
50°	1595.5	1611.3	1624.6	1643.1	1629.9	1648.4	1635.2	1645.7	1682.8	1706.6	1730.4
52.5°	1489.6	1502.9	1524.0	1534.6	1524.0	1545.2	1534.6	1550.5	1587.5	1616.6	1643.1
55°	1383.8	1397.0	1418.2	1426.1	1415.6	1439.4	1431.4	1452.6	1492.3	1524.0	1553.1
57.5°	1275.3	1288.6	1307.1	1315.0	1307.1	1333.5	1330.9	1354.7	1394.4	1428.8	1460.5
60°	1164.2	1177.4	1193.3	1201.2	1201.2	1227.7	1227.7	1256.8	1299.1	1330.9	1367.9
62.5°	1055.7	1063.6	1079.5	1090.1	1098.0	1124.5	1124.5	1156.3	1201.2	1238.3	1275.3
65°	941.9	949.9	963.1	976.3	989.6	1018.7	1021.3	1055.7	1100.7	1137.7	1180.1
67.5°	828.2	836.1	849.3	865.2	883.7	912.8	918.1	955.2	1002.8	1045.1	1084.8
70°	717.0	719.7	735.6	756.7	777.9	807.0	814.9	854.6	904.9	947.2	989.6
72.5°	605.9	608.6	624.4	650.9	674.7	706.5	717.0	759.4	809.6	852.0	894.3
75°	494.8	497.4	518.6	550.3	576.8	605.9	619.1	664.1	714.4	759.4	807.0
77.5°	388.9	394.2	415.4	447.2	478.9	513.3	526.5	571.5	627.1	669.4	714.4
80°	291.0	296.3	320.2	354.5	388.9	420.7	436.6	481.6	539.8	582.1	632.4
82.5°	201.1	209.0	238.1	275.2	309.6	344.0	359.8	402.2	455.1	502.7	550.3
85°	124.4	134.9	164.0	203.7	240.8	272.5	288.4	333.4	383.7	428.6	473.6
87.5°	58.2	74.1	103.2	142.9	182.6	209.0	227.5	272.5	320.2	365.1	410.1
90°	0.0	23.8	52.9	92.6	132.3	156.1	177.3	219.6	267.2	309.6	351.9
92.5°	5.3	26.5	58.2	95.3	134.9	158.8	179.9	222.3	267.2	309.6	351.9
95°	13.2	29.1	60.9	100.5	140.2	164.0	182.6	224.9	269.9	312.2	351.9
97.5°	23.8	37.0	68.8	105.8	145.5	166.7	187.9	230.2	272.5	314.9	354.5
100°	31.8	42.3	74.1	111.1	150.8	172.0	193.2	232.8	275.2	317.5	354.5
102.5°	39.7	52.9	82.0	116.4	156.1	177.3	195.8	235.5	277.8	317.5	354.5
105°	50.3	60.9	87.3	124.4	161.4	182.6	201.1	240.8	280.5	320.2	354.5
107.5°	60.9	68.8	95.3	129.6	166.7	185.2	203.7	243.4	283.1	320.2	354.5
110°	74.1	79.4	103.2	134.9	169.3	190.5	209.0	246.1	283.1	320.2	354.5



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	87.3	87.3	111.1	140.2	174.6	193.2	211.7	248.7	285.8	320.2	354.5
115°	97.9	100.5	119.1	145.5	179.9	198.4	214.3	248.7	285.8	320.2	351.9
117.5°	111.1	111.1	129.6	150.8	182.6	201.1	219.6	251.4	285.8	317.5	349.3
120°	124.4	121.7	137.6	158.8	187.9	203.7	222.3	254.0	285.8	317.5	346.6
122.5°	137.6	132.3	142.9	164.0	190.5	209.0	222.3	254.0	285.8	314.9	344.0
125°	148.2	142.9	150.8	172.0	195.8	211.7	224.9	254.0	285.8	312.2	341.3
127.5°	158.8	153.5	161.4	177.3	198.4	211.7	227.5	254.0	285.8	309.6	336.0
130°	169.3	161.4	172.0	182.6	203.7	214.3	227.5	254.0	283.1	306.9	330.7
132.5°	177.3	169.3	179.9	187.9	206.4	217.0	230.2	254.0	280.5	304.3	328.1
135°	182.6	174.6	187.9	193.2	211.7	222.3	232.8	254.0	277.8	301.6	322.8
137.5°	187.9	177.3	193.2	198.4	214.3	224.9	232.8	251.4	275.2	296.3	317.5
140°	190.5	182.6	198.4	203.7	211.7	222.3	232.8	248.7	269.9	291.0	309.6
142.5°	193.2	182.6	201.1	206.4	211.7	219.6	230.2	243.4	264.6	283.1	301.6
145°	193.2	185.2	201.1	206.4	211.7	217.0	224.9	240.8	256.7	272.5	291.0
147.5°	193.2	187.9	203.7	209.0	214.3	214.3	219.6	235.5	248.7	264.6	280.5
150°	195.8	187.9	203.7	209.0	217.0	217.0	219.6	227.5	243.4	254.0	267.2
152.5°	193.2	190.5	201.1	211.7	217.0	219.6	219.6	222.3	235.5	246.1	256.7
155°	195.8	195.8	203.7	217.0	219.6	219.6	222.3	219.6	224.9	235.5	246.1
157.5°	201.1	206.4	206.4	219.6	224.9	224.9	227.5	224.9	222.3	224.9	235.5
160°	209.0	214.3	214.3	222.3	230.2	230.2	232.8	230.2	227.5	224.9	224.9
162.5°	217.0	222.3	222.3	224.9	232.8	235.5	238.1	235.5	232.8	227.5	224.9
165°	224.9	230.2	230.2	230.2	235.5	238.1	240.8	238.1	238.1	232.8	230.2
167.5°	232.8	238.1	238.1	235.5	238.1	240.8	243.4	240.8	240.8	238.1	232.8
170°	240.8	246.1	246.1	240.8	243.4	243.4	246.1	243.4	243.4	238.1	235.5
172.5°	246.1	251.4	248.7	246.1	246.1	246.1	246.1	243.4	240.8	235.5	235.5
175°	248.7	254.0	254.0	248.7	246.1	246.1	248.7	243.4	240.8	238.1	232.8
177.5°	248.7	254.0	254.0	248.7	248.7	246.1	248.7	246.1	246.1	240.8	235.5
180°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3	2897.3
2.5°	2886.7	2884.0	2868.1	2886.7	2886.7	2881.4	2902.5	2899.9	2897.3	2892.0
5°	2876.1	2873.4	2857.6	2876.1	2876.1	2873.4	2894.6	2897.3	2899.9	2894.6
7.5°	2860.2	2857.6	2841.7	2860.2	2860.2	2857.6	2881.4	2884.0	2886.7	2878.7
10°	2836.4	2833.8	2817.9	2836.4	2839.0	2836.4	2854.9	2857.6	2862.9	2852.3
12.5°	2804.6	2804.6	2788.8	2807.3	2809.9	2807.3	2825.8	2831.1	2836.4	2823.2
15°	2765.0	2767.6	2754.4	2772.9	2775.5	2775.5	2794.1	2796.7	2804.6	2786.1
17.5°	2717.3	2722.6	2712.0	2730.6	2733.2	2735.9	2746.4	2754.4	2762.3	2741.1
20°	2667.1	2669.7	2661.8	2677.6	2682.9	2680.3	2693.5	2704.1	2712.0	2690.9
22.5°	2606.2	2608.9	2600.9	2616.8	2622.1	2624.7	2635.3	2648.5	2653.8	2635.3
25°	2537.4	2548.0	2542.7	2558.6	2563.9	2563.9	2574.5	2587.7	2595.6	2569.2
27.5°	2471.3	2484.5	2479.2	2495.1	2500.4	2503.0	2508.3	2524.2	2532.1	2508.3
30°	2397.2	2413.1	2410.4	2426.3	2431.6	2428.9	2439.5	2455.4	2466.0	2439.5
32.5°	2315.2	2336.3	2333.7	2354.8	2360.1	2362.8	2370.7	2391.9	2402.5	2378.7
35°	2235.8	2259.6	2262.2	2286.1	2294.0	2296.6	2307.2	2328.4	2339.0	2315.2
37.5°	2153.8	2185.5	2193.4	2217.3	2225.2	2227.8	2238.4	2262.2	2272.8	2249.0
40°	2074.4	2111.4	2122.0	2143.2	2151.1	2159.0	2167.0	2190.8	2204.0	2180.2
42.5°	1995.0	2034.7	2047.9	2069.1	2077.0	2085.0	2095.5	2122.0	2132.6	2111.4
45°	1913.0	1955.3	1971.2	1992.4	2002.9	2010.9	2021.5	2045.3	2058.5	2037.3
47.5°	1831.0	1873.3	1889.2	1913.0	1923.6	1934.1	1942.1	1971.2	1984.4	1963.3
50°	1743.6	1791.3	1809.8	1831.0	1846.8	1854.8	1865.4	1891.8	1905.0	1886.5
52.5°	1656.3	1706.6	1727.8	1748.9	1764.8	1778.0	1783.3	1812.4	1825.7	1807.1
55°	1566.4	1616.6	1640.5	1664.3	1680.1	1696.0	1701.3	1730.4	1743.6	1717.2
57.5°	1476.4	1529.3	1553.1	1579.6	1592.8	1611.3	1619.3	1645.7	1659.0	1640.5
60°	1386.4	1436.7	1465.8	1489.6	1508.2	1524.0	1529.3	1558.4	1571.7	1547.8
62.5°	1293.8	1346.8	1375.9	1402.3	1418.2	1436.7	1444.7	1471.1	1481.7	1457.9
65°	1198.6	1251.5	1283.3	1307.1	1328.2	1344.1	1349.4	1378.5	1389.1	1365.3
67.5°	1103.3	1156.3	1190.7	1217.1	1235.6	1254.2	1259.4	1288.6	1299.1	1280.6
70°	1010.7	1063.6	1098.0	1129.8	1143.0	1161.5	1169.5	1195.9	1206.5	1190.7
72.5°	918.1	971.0	1008.1	1039.8	1053.1	1071.6	1082.2	1103.3	1119.2	1106.0
75°	828.2	881.1	918.1	949.9	963.1	981.6	992.2	1013.4	1024.0	1013.4
77.5°	740.9	793.8	828.2	859.9	875.8	891.7	902.2	923.4	936.6	926.1
80°	656.2	709.1	743.5	772.6	788.5	804.4	814.9	838.7	849.3	841.4
82.5°	576.8	627.1	664.1	693.2	709.1	725.0	735.6	756.7	770.0	759.4
85°	505.4	555.6	590.0	619.1	632.4	648.2	658.8	680.0	690.6	685.3
87.5°	436.6	481.6	521.2	550.3	563.6	579.5	592.7	608.6	621.8	613.8
90°	383.7	423.3	460.4	489.5	505.4	521.2	537.1	553.0	563.6	558.3
92.5°	386.3	423.3	457.7	484.2	500.1	515.9	531.8	550.3	558.3	553.0
95°	386.3	423.3	457.7	484.2	500.1	515.9	531.8	550.3	558.3	553.0
97.5°	386.3	423.3	457.7	484.2	500.1	515.9	531.8	550.3	558.3	550.3
100°	386.3	423.3	457.7	484.2	500.1	513.3	529.2	547.7	555.6	550.3
102.5°	386.3	423.3	455.1	481.6	497.4	510.7	526.5	545.1	553.0	547.7
105°	386.3	420.7	455.1	478.9	494.8	508.0	523.9	539.8	547.7	542.4
107.5°	383.7	418.1	449.8	476.3	489.5	502.7	518.6	534.5	542.4	537.1
110°	383.7	415.4	447.2	471.0	484.2	497.4	513.3	529.2	537.1	531.8



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	381.0	412.8	444.5	465.7	478.9	492.1	505.4	523.9	531.8	526.5
115°	378.4	410.1	439.2	460.4	473.6	484.2	500.1	518.6	523.9	521.2
117.5°	375.7	404.8	433.9	455.1	468.3	478.9	492.1	508.0	515.9	513.3
120°	373.1	399.5	428.6	447.2	460.4	471.0	481.6	497.4	505.4	500.1
122.5°	367.8	394.2	423.3	441.9	452.4	463.0	473.6	486.8	494.8	492.1
125°	362.5	388.9	415.4	433.9	444.5	452.4	463.0	476.3	481.6	478.9
127.5°	357.2	383.7	407.5	423.3	436.6	444.5	452.4	465.7	471.0	468.3
130°	351.9	375.7	399.5	415.4	426.0	433.9	441.9	455.1	457.7	457.7
132.5°	346.6	367.8	391.6	407.5	418.1	423.3	431.3	441.9	447.2	444.5
135°	341.3	359.8	383.7	396.9	404.8	412.8	420.7	431.3	433.9	433.9
137.5°	333.4	351.9	373.1	386.3	394.2	399.5	407.5	418.1	420.7	420.7
140°	325.4	344.0	362.5	373.1	383.7	388.9	394.2	404.8	407.5	407.5
142.5°	317.5	333.4	351.9	362.5	373.1	375.7	383.7	391.6	394.2	394.2
145°	306.9	325.4	341.3	351.9	359.8	362.5	370.4	378.4	378.4	381.0
147.5°	293.7	309.6	330.7	338.7	346.6	349.3	357.2	362.5	365.1	365.1
150°	280.5	296.3	314.9	328.1	336.0	338.7	341.3	349.3	349.3	351.9
152.5°	267.2	280.5	299.0	312.2	322.8	325.4	328.1	333.4	333.4	336.0
155°	254.0	264.6	280.5	293.7	304.3	309.6	314.9	320.2	320.2	322.8
157.5°	243.4	254.0	267.2	277.8	285.8	293.7	301.6	306.9	306.9	306.9
160°	230.2	238.1	251.4	259.3	269.9	275.2	288.4	293.7	293.7	296.3
162.5°	222.3	224.9	232.8	240.8	248.7	254.0	267.2	280.5	280.5	283.1
165°	224.9	222.3	224.9	227.5	232.8	235.5	243.4	261.9	267.2	269.9
167.5°	230.2	222.3	222.3	222.3	227.5	227.5	235.5	246.1	264.6	259.3
170°	230.2	222.3	217.0	217.0	219.6	217.0	222.3	230.2	240.8	251.4
172.5°	232.8	224.9	217.0	206.4	209.0	206.4	201.1	201.1	203.7	238.1
175°	230.2	224.9	214.3	201.1	198.4	190.5	174.6	161.4	153.5	119.1
177.5°	227.5	219.6	211.7	201.1	195.8	187.9	169.3	148.2	127.0	121.7
180°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0



TEST NUMBER: P894501
 CATALOG NUMBER: 8TMB-12SL-FLTU-UNV-L830

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	15.80	17.12	16.42	17.76	18.48	18.43	19.75	19.05	20.39	21.11
	3H	17.21	18.41	17.84	19.05	19.81	20.89	22.09	21.52	22.74	23.49
	4H	17.63	18.77	18.28	19.43	20.20	22.06	23.20	22.71	23.85	24.62
	6H	17.87	18.93	18.53	19.59	20.38	23.24	24.30	23.90	24.96	25.75
	8H	17.91	18.93	18.59	19.61	20.40	23.83	24.85	24.51	25.53	26.32
	12H	17.92	18.89	18.60	19.57	20.39	24.47	25.44	25.15	26.12	26.94
4H	2H	16.71	17.84	17.36	18.50	19.27	18.78	19.91	19.43	20.57	21.34
	3H	18.33	19.30	18.99	19.99	20.78	21.44	22.41	22.10	23.10	23.89
	4H	18.88	19.77	19.56	20.46	21.28	22.76	23.64	23.44	24.34	25.16
	6H	19.22	20.00	19.92	20.72	21.55	24.11	24.89	24.81	25.61	26.43
	8H	19.30	20.03	20.00	20.75	21.59	24.80	25.53	25.50	26.25	27.09
	12H	19.33	19.99	20.05	20.73	21.58	25.55	26.21	26.27	26.96	27.80
8H	4H	19.55	20.28	20.25	21.00	21.84	22.90	23.64	23.61	24.35	25.20
	6H	20.05	20.67	20.78	21.43	22.27	24.40	25.02	25.13	25.78	26.62
	8H	20.20	20.76	20.95	21.52	22.38	25.21	25.76	25.95	26.53	27.38
	12H	20.29	20.79	21.04	21.54	22.46	26.12	26.61	26.87	27.37	28.28
12H	4H	19.72	20.38	20.44	21.12	21.97	22.89	23.56	23.62	24.30	25.15
	6H	20.32	20.87	21.06	21.63	22.49	24.41	24.97	25.16	25.73	26.59
	8H	20.55	21.04	21.30	21.80	22.71	25.28	25.77	26.02	26.52	27.44