

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: P895504

Luminaire Tested: 8TMB-SC3-RND-UNV-CC93-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-RND-UNV-CC93-HI-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT, HI lum setting
Light Source: -
Ballast/Driver: -

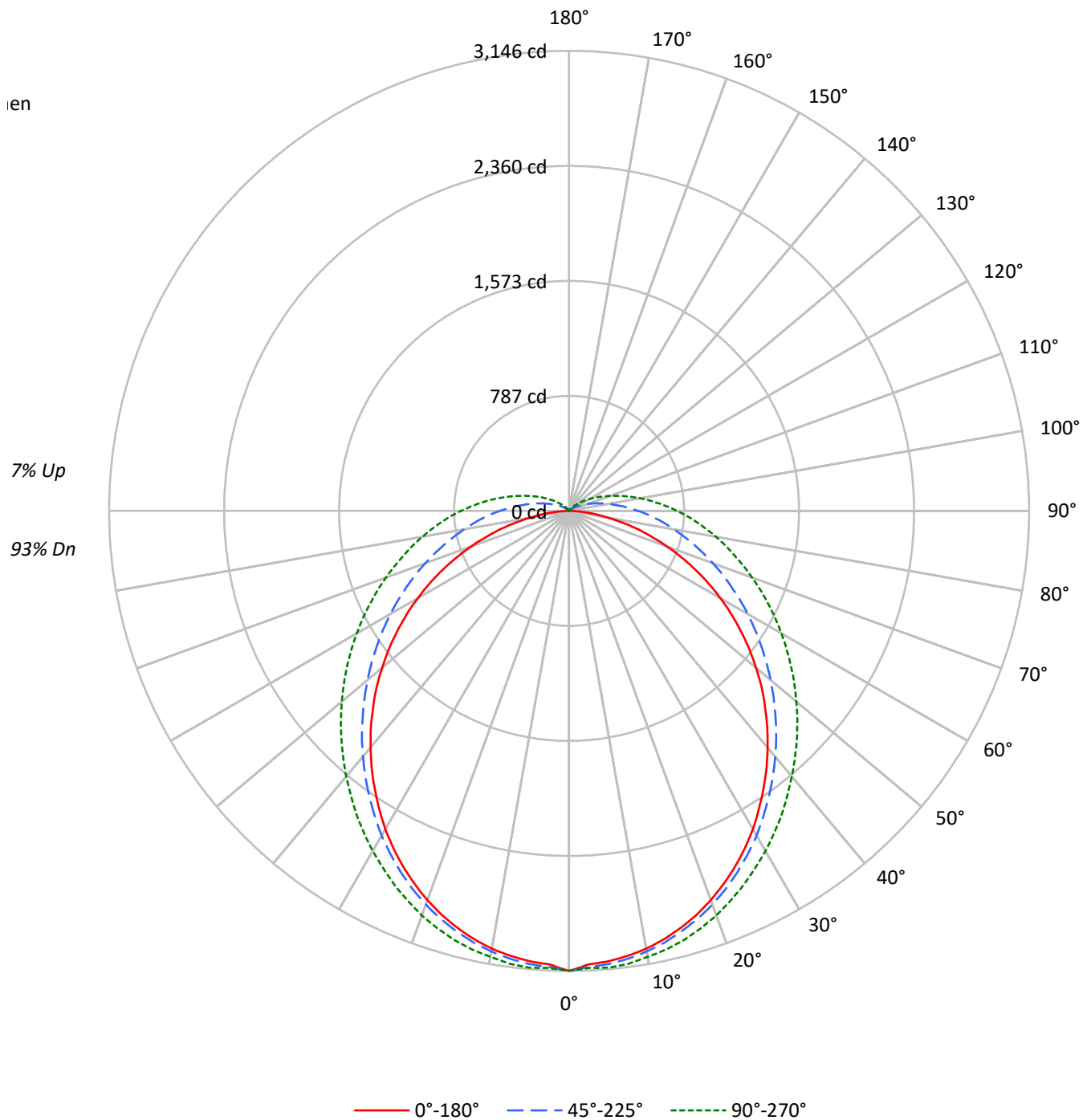
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10413.1 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: 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

TEST NUMBER: P895504
CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11161	11161	11161
5°	11010	11080	11168
10°	10952	11023	11156
15°	10840	10931	11157
20°	10697	10817	11115
25°	10512	10667	11052
30°	10296	10507	11001
35°	10043	10320	10981
40°	9781	10157	10978
45°	9510	10016	11053
50°	9211	9931	11195
55°	8876	9912	11464
60°	8489	10008	11894
65°	8018	10270	12605
70°	7430	10851	13813
75°	6715	12079	16027
80°	5682	14885	20821
85°	4608	24247	35670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 65668 cd/sqm



TEST NUMBER: P895504

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	2.9
10°-20°	847.6	8.1
20°-30°	1269.1	12.2
30°-40°	1513.2	14.5
40°-50°	1569.4	15.1
50°-60°	1456.0	14.0
60°-70°	1214.7	11.7
70°-80°	905.6	8.7
80°-90°	603.0	5.8
90°-100°	367.1	3.5
100°-110°	205.0	2.0
110°-120°	102.4	1.0
120°-130°	42.8	0.4
130°-140°	13.5	0.1
140°-150°	3.3	0.0
150°-160°	1.5	0.0
160°-170°	1.0	0.0
170°-180°	0.4	0.0
0°-30°	2414.2	23.2
0°-40°	3927.4	37.7
0°-60°	6952.8	66.8
0°-90°	9676.1	92.9
90°-120°	674.5	6.5
90°-150°	734.1	7.0
90°-180°	737.0	7.1
0°-180°	10413.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3146	3146	3146	3146	3146	
5°	3091	3163	3111	3128	3136	294
15°	2951	3027	2976	3030	3037	832
25°	2685	2757	2725	2801	2823	1236
35°	2318	2380	2382	2501	2535	1450
45°	1895	1944	1996	2154	2203	1463
55°	1435	1484	1602	1789	1853	1283
65°	955	1031	1223	1430	1501	945
75°	490	625	881	1095	1169	518
85°	113	310	596	800	876	127
90°	5	204	473	667	738	8
95°	0	126	364	546	610	0
105°	0	39	199	337	389	0
115°	2	10	94	190	226	2
125°	2	2	37	91	113	2
135°	2	2	10	32	42	2
145°	2	2	2	7	10	2
155°	5	5	2	2	2	2
165°	5	5	2	2	2	1
175°	5	5	5	2	0	0
180°	5	5	5	5	5	



TEST NUMBER: P895504
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5
2.5°	3103.7	3108.6	3152.9	3150.4	3143.0	3172.6	3180.0	3155.3	3116.0	3155.3	3120.9
5°	3091.3	3096.3	3140.6	3138.1	3130.7	3162.7	3165.2	3143.0	3103.7	3143.0	3111.0
7.5°	3069.2	3074.1	3118.4	3116.0	3111.0	3143.0	3140.6	3123.3	3081.5	3123.3	3088.9
10°	3039.7	3042.1	3088.9	3084.0	3081.5	3113.5	3106.1	3091.3	3049.5	3091.3	3059.4
12.5°	3000.3	3002.7	3049.5	3044.6	3044.6	3074.1	3064.3	3052.0	3010.1	3049.5	3022.4
15°	2951.1	2953.5	2997.8	2995.4	2995.4	3027.4	3012.6	3002.7	2963.4	3005.2	2975.7
17.5°	2896.9	2894.4	2941.2	2936.3	2941.2	2970.7	2951.1	2946.1	2909.2	2948.6	2924.0
20°	2832.9	2832.9	2874.8	2872.3	2879.7	2906.8	2882.1	2884.6	2847.7	2889.5	2864.9
22.5°	2761.5	2759.1	2800.9	2800.9	2808.3	2835.4	2808.3	2815.7	2778.8	2818.1	2798.5
25°	2685.2	2680.3	2722.2	2722.2	2734.5	2756.6	2727.1	2736.9	2702.5	2741.8	2724.6
27.5°	2601.6	2594.2	2636.0	2638.5	2648.3	2670.5	2638.5	2653.2	2621.2	2658.2	2645.9
30°	2513.0	2505.6	2547.4	2549.9	2562.2	2579.4	2547.4	2567.1	2537.6	2574.5	2564.6
32.5°	2417.0	2412.0	2451.4	2456.3	2468.6	2481.0	2451.4	2471.1	2446.5	2483.4	2473.6
35°	2318.5	2313.6	2350.5	2357.9	2370.2	2380.0	2348.0	2375.1	2353.0	2387.4	2382.5
37.5°	2217.6	2210.2	2249.6	2254.5	2269.3	2274.2	2244.7	2276.7	2257.0	2291.4	2289.0
40°	2111.8	2104.4	2143.8	2148.7	2163.5	2163.5	2138.8	2173.3	2158.5	2190.5	2193.0
42.5°	2005.9	1998.5	2033.0	2042.8	2055.2	2055.2	2030.5	2067.5	2057.6	2089.6	2097.0
45°	1895.2	1887.8	1919.8	1929.6	1944.4	1944.4	1919.8	1961.6	1954.2	1986.2	1996.1
47.5°	1786.9	1777.0	1806.6	1816.4	1831.2	1828.7	1809.0	1850.9	1848.4	1880.4	1897.6
50°	1668.7	1661.4	1690.9	1700.7	1718.0	1713.0	1698.3	1742.6	1742.6	1774.6	1799.2
52.5°	1553.1	1545.7	1575.2	1585.1	1599.8	1599.8	1585.1	1631.8	1639.2	1671.2	1700.7
55°	1434.9	1425.1	1454.6	1464.5	1481.7	1484.1	1471.8	1518.6	1533.4	1570.3	1602.3
57.5°	1316.8	1311.9	1336.5	1346.3	1368.5	1368.5	1361.1	1410.3	1430.0	1469.4	1506.3
60°	1196.2	1191.3	1213.4	1225.7	1250.3	1255.2	1250.3	1302.0	1329.1	1368.5	1410.3
62.5°	1075.6	1070.6	1092.8	1110.0	1137.1	1142.0	1144.5	1198.6	1228.2	1270.0	1316.8
65°	955.0	950.0	972.2	991.9	1023.9	1031.3	1038.7	1095.3	1129.7	1174.0	1223.2
67.5°	834.4	831.9	854.1	878.7	913.1	923.0	935.3	994.4	1033.7	1080.5	1134.6
70°	716.2	713.8	735.9	765.5	807.3	819.6	834.4	893.4	942.7	991.9	1046.0
72.5°	598.1	600.5	625.2	659.6	706.4	718.7	738.4	799.9	854.1	905.7	962.4
75°	489.8	489.8	516.9	556.2	607.9	625.2	647.3	711.3	767.9	822.1	881.1
77.5°	379.0	379.0	411.0	460.3	516.9	534.1	561.2	627.6	689.2	743.3	802.4
80°	278.1	283.0	320.0	369.2	428.3	450.4	482.4	548.9	615.3	669.5	728.5
82.5°	189.5	196.9	236.3	292.9	352.0	374.1	406.1	477.5	543.9	600.5	662.1
85°	113.2	125.5	167.4	224.0	285.5	310.1	344.6	411.0	477.5	534.1	595.6
87.5°	51.7	68.9	113.2	169.8	228.9	256.0	285.5	349.5	416.0	472.6	536.6
90°	4.9	29.5	73.8	123.1	179.7	204.3	233.8	295.4	359.3	411.0	472.6
92.5°	0.0	12.3	44.3	88.6	137.8	162.4	189.5	248.6	305.2	356.9	416.0
95°	0.0	4.9	24.6	61.5	103.4	125.5	150.1	204.3	260.9	310.1	364.3
97.5°	0.0	2.5	14.8	41.8	76.3	96.0	118.1	167.4	219.1	265.8	315.0
100°	0.0	2.5	7.4	27.1	56.6	71.4	93.5	135.4	182.1	224.0	273.2
102.5°	0.0	0.0	4.9	17.2	41.8	54.1	71.4	108.3	150.1	189.5	233.8
105°	0.0	0.0	2.5	12.3	29.5	39.4	54.1	86.1	123.1	157.5	199.4
107.5°	0.0	0.0	2.5	7.4	19.7	29.5	41.8	66.5	98.5	130.4	167.4
110°	2.5	2.5	2.5	4.9	14.8	22.2	29.5	51.7	81.2	108.3	140.3



TEST NUMBER: P895504

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.5	2.5	2.5	2.5	9.8	14.8	22.2	39.4	64.0	86.1	115.7
115°	2.5	2.5	2.5	2.5	7.4	9.8	14.8	29.5	49.2	68.9	93.5
117.5°	2.5	2.5	2.5	2.5	4.9	7.4	9.8	22.2	36.9	54.1	76.3
120°	2.5	2.5	2.5	2.5	2.5	4.9	7.4	14.8	29.5	41.8	61.5
122.5°	2.5	2.5	2.5	2.5	2.5	4.9	4.9	12.3	22.2	32.0	46.8
125°	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	14.8	24.6	36.9
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	9.8	17.2	27.1
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	12.3	19.7
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	9.8	14.8
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	9.8
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	7.4
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9
145°	2.5	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
155°	4.9	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5
157.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5
160°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5
162.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5
165°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5	2.5
167.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5
170°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
172.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5
175°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
177.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
180°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5	3145.5
2.5°	3130.7	3138.1	3145.5	3125.8	3138.1	3160.3	3167.6	3138.1	3148.0	3128.3
5°	3120.9	3125.8	3135.6	3111.0	3128.3	3148.0	3160.3	3135.6	3150.4	3135.6
7.5°	3101.2	3106.1	3118.4	3093.8	3116.0	3133.2	3148.0	3123.3	3138.1	3123.3
10°	3071.7	3079.0	3096.3	3066.7	3093.8	3108.6	3123.3	3096.3	3111.0	3096.3
12.5°	3034.7	3047.0	3061.8	3034.7	3061.8	3074.1	3093.8	3066.7	3084.0	3071.7
15°	2990.4	3002.7	3022.4	2995.4	3029.8	3039.7	3059.4	3032.3	3049.5	3037.2
17.5°	2938.7	2953.5	2978.1	2946.1	2985.5	2992.9	3012.6	2988.0	3005.2	2992.9
20°	2879.7	2894.4	2919.1	2889.5	2928.9	2933.8	2956.0	2933.8	2951.1	2943.7
22.5°	2810.8	2828.0	2852.6	2825.5	2867.4	2867.4	2894.4	2872.3	2892.0	2884.6
25°	2739.4	2759.1	2786.2	2756.6	2800.9	2800.9	2830.5	2808.3	2828.0	2823.1
27.5°	2663.1	2685.2	2717.2	2687.7	2732.0	2729.5	2759.1	2739.4	2761.5	2754.2
30°	2581.9	2606.5	2638.5	2613.9	2660.6	2655.7	2685.2	2668.0	2687.7	2685.2
32.5°	2493.3	2520.3	2559.7	2532.6	2579.4	2574.5	2611.4	2591.7	2616.3	2611.4
35°	2404.7	2434.2	2473.6	2449.0	2500.6	2493.3	2530.2	2513.0	2537.6	2535.1
37.5°	2313.6	2345.6	2385.0	2365.3	2414.5	2407.1	2446.5	2431.7	2458.8	2451.4
40°	2220.1	2252.1	2293.9	2276.7	2328.4	2318.5	2360.4	2348.0	2375.1	2370.2
42.5°	2126.5	2161.0	2202.8	2193.0	2242.2	2232.4	2274.2	2264.4	2291.4	2286.5
45°	2030.5	2067.5	2111.8	2101.9	2153.6	2143.8	2185.6	2178.2	2205.3	2202.8
47.5°	1934.6	1973.9	2018.2	2013.3	2062.5	2052.7	2097.0	2089.6	2116.7	2116.7
50°	1836.1	1880.4	1924.7	1922.2	1971.5	1961.6	2001.0	2001.0	2030.5	2028.1
52.5°	1737.7	1784.4	1831.2	1831.2	1880.4	1870.6	1914.9	1912.4	1941.9	1941.9
55°	1644.1	1686.0	1732.7	1742.6	1789.3	1774.6	1821.3	1826.3	1850.9	1853.3
57.5°	1550.6	1594.9	1641.7	1654.0	1698.3	1688.4	1732.7	1737.7	1762.3	1764.7
60°	1457.1	1498.9	1545.7	1562.9	1607.2	1597.4	1641.7	1646.6	1673.7	1676.1
62.5°	1363.5	1405.4	1457.1	1474.3	1516.1	1508.8	1555.5	1560.4	1585.1	1590.0
65°	1272.5	1316.8	1366.0	1390.6	1430.0	1420.1	1466.9	1471.8	1498.9	1501.4
67.5°	1183.9	1228.2	1277.4	1304.5	1341.4	1336.5	1380.8	1390.6	1412.8	1417.7
70°	1097.7	1142.0	1193.7	1220.8	1257.7	1255.2	1297.1	1304.5	1329.1	1331.5
72.5°	1014.0	1058.3	1110.0	1142.0	1174.0	1171.6	1213.4	1223.2	1247.9	1250.3
75°	932.8	979.6	1028.8	1063.3	1095.3	1092.8	1134.6	1144.5	1166.6	1169.1
77.5°	856.5	903.3	955.0	989.4	1016.5	1019.0	1055.9	1065.7	1087.9	1095.3
80°	785.1	829.4	878.7	915.6	940.2	945.1	979.6	991.9	1009.1	1019.0
82.5°	716.2	760.5	809.8	844.2	868.8	873.7	905.7	920.5	937.7	945.1
85°	649.8	694.1	740.8	777.8	799.9	802.4	834.4	849.1	863.9	876.2
87.5°	585.8	630.1	674.4	713.8	733.5	738.4	767.9	782.7	795.0	807.3
90°	521.8	566.1	610.4	647.3	667.0	669.5	701.5	716.2	728.5	738.4
92.5°	462.7	507.0	551.3	588.2	605.5	610.4	637.5	654.7	664.5	674.4
95°	406.1	450.4	489.8	529.2	546.4	553.8	578.4	593.2	605.5	610.4
97.5°	356.9	396.3	433.2	472.6	487.3	494.7	519.3	536.6	546.4	551.3
100°	310.1	347.0	381.5	418.4	433.2	440.6	462.7	477.5	487.3	494.7
102.5°	268.3	302.7	334.7	369.2	384.0	388.9	408.6	423.3	433.2	440.6
105°	231.4	263.4	292.9	324.9	337.2	344.6	361.8	374.1	384.0	388.9
107.5°	196.9	228.9	253.5	283.0	295.4	300.3	317.5	332.3	339.7	342.1
110°	167.4	194.4	219.1	243.7	258.4	263.4	278.1	290.4	297.8	300.3



TEST NUMBER: P895504

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	140.3	164.9	187.1	209.2	221.5	226.4	241.2	253.5	258.4	260.9
115°	115.7	140.3	157.5	179.7	189.5	194.4	206.7	219.1	221.5	226.4
117.5°	93.5	115.7	132.9	150.1	160.0	164.9	174.7	184.6	189.5	192.0
120°	76.3	93.5	108.3	125.5	132.9	137.8	147.7	157.5	160.0	162.4
122.5°	61.5	76.3	88.6	103.4	110.8	115.7	123.1	130.4	132.9	135.4
125°	46.8	61.5	71.4	83.7	91.1	93.5	100.9	108.3	110.8	113.2
127.5°	36.9	46.8	56.6	66.5	71.4	73.8	81.2	86.1	88.6	91.1
130°	27.1	34.5	41.8	51.7	56.6	59.1	64.0	68.9	71.4	71.4
132.5°	19.7	27.1	32.0	39.4	41.8	44.3	49.2	54.1	54.1	56.6
135°	12.3	17.2	22.2	27.1	32.0	32.0	36.9	39.4	41.8	41.8
137.5°	9.8	12.3	14.8	19.7	22.2	24.6	24.6	29.5	29.5	29.5
140°	7.4	9.8	9.8	12.3	14.8	17.2	17.2	19.7	19.7	19.7
142.5°	4.9	7.4	7.4	9.8	9.8	12.3	12.3	12.3	14.8	14.8
145°	4.9	4.9	4.9	7.4	7.4	7.4	7.4	9.8	9.8	9.8
147.5°	2.5	2.5	4.9	4.9	4.9	4.9	4.9	7.4	7.4	7.4
150°	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9	4.9	4.9
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
170°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
180°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



TEST NUMBER: P895504
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC93-HI-5000K

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	18.67	20.21	19.14	20.66	21.15	20.24	21.78	20.71	22.23	22.72
	3H	20.35	21.75	20.83	22.22	22.74	22.87	24.27	23.35	24.74	25.26
	4H	20.94	22.27	21.45	22.76	23.30	24.18	25.51	24.68	25.99	26.53
	6H	21.34	22.58	21.86	23.08	23.64	25.58	26.82	26.10	27.32	27.88
	8H	21.46	22.65	21.99	23.17	23.73	26.33	27.52	26.86	28.04	28.60
	12H	21.53	22.67	22.07	23.19	23.78	27.18	28.32	27.72	28.84	29.43
4H	2H	19.60	20.93	20.10	21.41	21.95	20.79	22.12	21.30	22.61	23.15
	3H	21.58	22.71	22.09	23.24	23.80	23.71	24.84	24.22	25.37	25.93
	4H	22.35	23.39	22.89	23.93	24.53	25.23	26.27	25.77	26.81	27.41
	6H	22.93	23.85	23.49	24.42	25.03	26.87	27.80	27.43	28.36	28.97
	8H	23.11	23.98	23.68	24.54	25.17	27.76	28.62	28.32	29.19	29.81
	12H	23.24	24.03	23.82	24.62	25.25	28.76	29.55	29.34	30.14	30.77
8H	4H	23.23	24.10	23.79	24.66	25.28	25.59	26.46	26.15	27.02	27.65
	6H	24.11	24.85	24.71	25.45	26.08	27.49	28.23	28.09	28.84	29.47
	8H	24.46	25.13	25.07	25.74	26.38	28.58	29.24	29.18	29.86	30.50
	12H	24.73	25.33	25.34	25.93	26.64	29.84	30.44	30.45	31.04	31.75
12H	4H	23.51	24.30	24.09	24.89	25.52	25.63	26.42	26.22	27.02	27.64
	6H	24.56	25.23	25.17	25.84	26.48	27.60	28.27	28.21	28.89	29.53
	8H	25.08	25.67	25.69	26.28	26.99	28.80	29.40	29.41	30.00	30.71