

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: P895501

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895501
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-CC83-MID-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

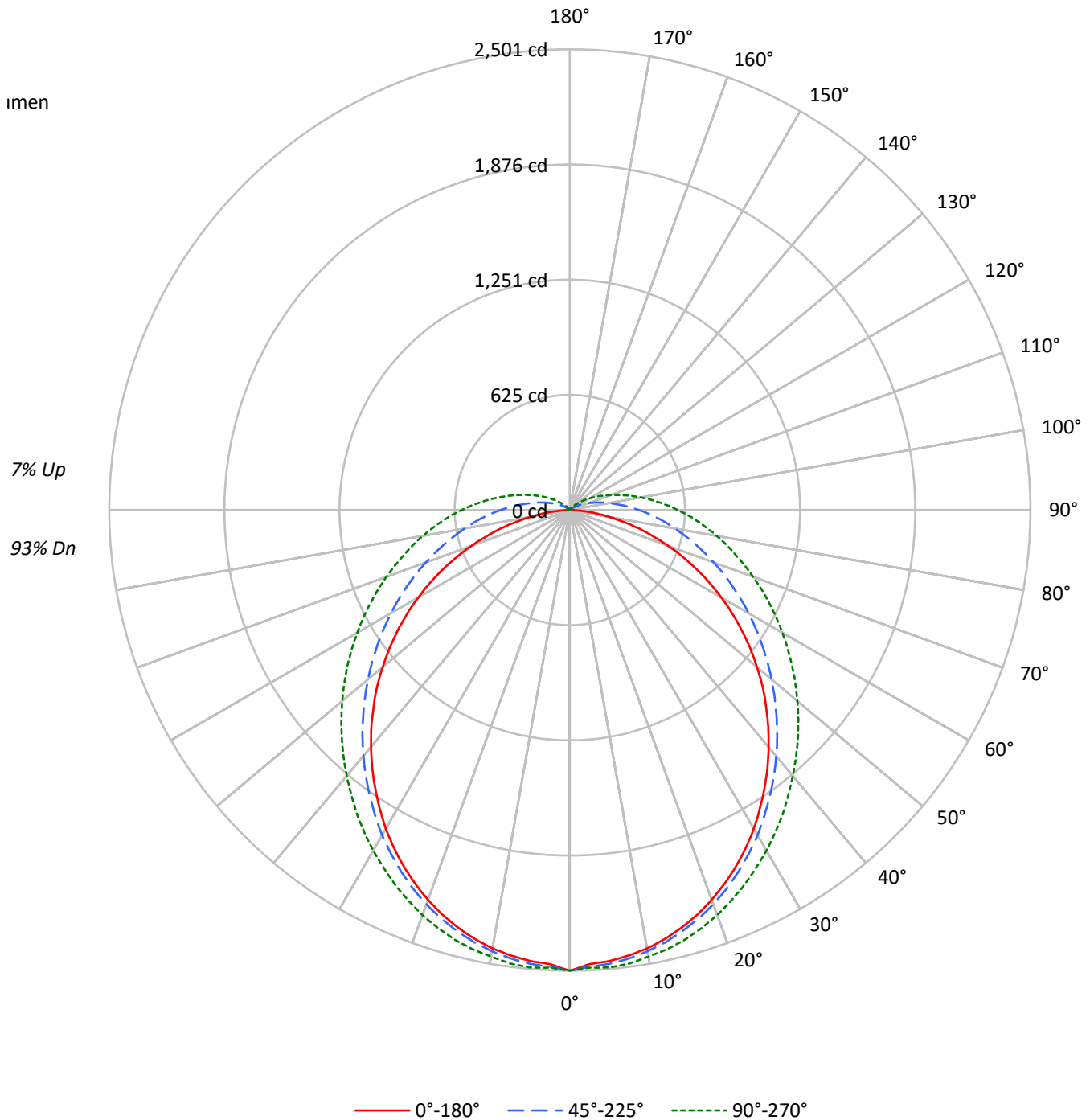
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8278.1 lumens
Efficiency: N/A
Efficacy: 123.7 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): 66.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
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	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°	8872	8872	8872
5°	8753	8809	8878
10°	8706	8763	8868
15°	8618	8690	8869
20°	8504	8599	8836
25°	8357	8480	8786
30°	8185	8353	8746
35°	7983	8204	8729
40°	7776	8075	8727
45°	7560	7962	8787
50°	7323	7895	8900
55°	7056	7880	9114
60°	6748	7956	9456
65°	6374	8164	10020
70°	5907	8627	10981
75°	5338	9603	12741
80°	4518	11835	16551
85°	3664	19276	28359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 52206 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	2.9
10°-20°	673.8	8.1
20°-30°	1008.9	12.2
30°-40°	1203.0	14.5
40°-50°	1247.6	15.1
50°-60°	1157.5	14.0
60°-70°	965.6	11.7
70°-80°	719.9	8.7
80°-90°	479.4	5.8
90°-100°	291.8	3.5
100°-110°	163.0	2.0
110°-120°	81.4	1.0
120°-130°	34.0	0.4
130°-140°	10.7	0.1
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1919.2	23.2
0°-40°	3122.1	37.7
0°-60°	5527.3	66.8
0°-90°	7692.2	92.9
90°-120°	536.2	6.5
90°-150°	583.6	7.1
90°-180°	586.0	7.1
0°-180°	8278.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2501	2501	2501	2501	2501	
5°	2458	2514	2473	2487	2493	233
15°	2346	2407	2366	2409	2414	662
25°	2135	2191	2166	2227	2244	983
35°	1843	1892	1894	1988	2015	1153
45°	1507	1546	1587	1712	1751	1163
55°	1141	1180	1274	1422	1473	1020
65°	759	820	972	1137	1194	751
75°	389	497	700	871	929	412
85°	90	246	474	636	697	101
90°	4	162	376	530	587	7
95°	0	100	290	434	485	0
105°	0	31	158	268	309	0
115°	2	8	74	151	180	2
125°	2	2	29	72	90	2
135°	2	2	8	25	33	2
145°	2	2	2	6	8	1
155°	4	4	2	2	2	2
165°	4	4	2	2	2	1
175°	4	4	4	2	0	0
180°	4	4	4	4	4	



TEST NUMBER: P895501

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2467.3	2471.2	2506.4	2504.5	2498.6	2522.1	2528.0	2508.4	2477.1	2508.4	2481.0
5°	2457.5	2461.4	2496.7	2494.7	2488.8	2514.3	2516.2	2498.6	2467.3	2498.6	2473.2
7.5°	2439.9	2443.8	2479.0	2477.1	2473.2	2498.6	2496.7	2483.0	2449.7	2483.0	2455.6
10°	2416.4	2418.4	2455.6	2451.7	2449.7	2475.1	2469.3	2457.5	2424.3	2457.5	2432.1
12.5°	2385.1	2387.1	2424.3	2420.3	2420.3	2443.8	2436.0	2426.2	2393.0	2424.3	2402.7
15°	2346.0	2348.0	2383.2	2381.2	2381.2	2406.6	2394.9	2387.1	2355.8	2389.0	2365.6
17.5°	2302.9	2301.0	2338.2	2334.3	2338.2	2361.6	2346.0	2342.1	2312.7	2344.0	2324.5
20°	2252.1	2252.1	2285.3	2283.4	2289.3	2310.8	2291.2	2293.2	2263.8	2297.1	2277.5
22.5°	2195.3	2193.4	2226.6	2226.6	2232.5	2254.0	2232.5	2238.4	2209.0	2240.3	2224.7
25°	2134.7	2130.8	2164.0	2164.0	2173.8	2191.4	2167.9	2175.8	2148.4	2179.7	2166.0
27.5°	2068.2	2062.3	2095.5	2097.5	2105.3	2122.9	2097.5	2109.2	2083.8	2113.2	2103.4
30°	1997.7	1991.8	2025.1	2027.1	2036.8	2050.5	2025.1	2040.8	2017.3	2046.6	2038.8
32.5°	1921.4	1917.5	1948.8	1952.7	1962.5	1972.3	1948.8	1964.5	1944.9	1974.2	1966.4
35°	1843.1	1839.2	1868.6	1874.4	1884.2	1892.1	1866.6	1888.1	1870.5	1897.9	1894.0
37.5°	1762.9	1757.0	1788.4	1792.3	1804.0	1807.9	1784.4	1809.9	1794.2	1821.6	1819.7
40°	1678.8	1672.9	1704.2	1708.1	1719.9	1719.9	1700.3	1727.7	1716.0	1741.4	1743.4
42.5°	1594.6	1588.8	1616.2	1624.0	1633.8	1633.8	1614.2	1643.6	1635.7	1661.2	1667.0
45°	1506.6	1500.7	1526.2	1534.0	1545.7	1545.7	1526.2	1559.4	1553.6	1579.0	1586.8
47.5°	1420.5	1412.7	1436.2	1444.0	1455.7	1453.8	1438.1	1471.4	1469.4	1494.9	1508.6
50°	1326.6	1320.7	1344.2	1352.0	1365.7	1361.8	1350.1	1385.3	1385.3	1410.7	1430.3
52.5°	1234.6	1228.8	1252.2	1260.1	1271.8	1271.8	1260.1	1297.2	1303.1	1328.5	1352.0
55°	1140.7	1132.9	1156.4	1164.2	1177.9	1179.8	1170.1	1207.2	1219.0	1248.3	1273.8
57.5°	1046.8	1042.9	1062.4	1070.3	1087.9	1087.9	1082.0	1121.1	1136.8	1168.1	1197.5
60°	950.9	947.0	964.6	974.4	994.0	997.9	994.0	1035.1	1056.6	1087.9	1121.1
62.5°	855.0	851.1	868.7	882.4	904.0	907.9	909.8	952.9	976.4	1009.6	1046.8
65°	759.2	755.3	772.9	788.5	814.0	819.8	825.7	870.7	898.1	933.3	972.4
67.5°	663.3	661.3	678.9	698.5	725.9	733.7	743.5	790.5	821.8	859.0	902.0
70°	569.4	567.4	585.0	608.5	641.8	651.6	663.3	710.3	749.4	788.5	831.6
72.5°	475.5	477.4	497.0	524.4	561.6	571.3	587.0	635.9	678.9	720.0	765.0
75°	389.4	389.4	410.9	442.2	483.3	497.0	514.6	565.5	610.5	653.5	700.5
77.5°	301.3	301.3	326.8	365.9	410.9	424.6	446.1	498.9	547.9	590.9	637.9
80°	221.1	225.0	254.4	293.5	340.5	358.1	383.5	436.3	489.2	532.2	579.2
82.5°	150.7	156.5	187.8	232.8	279.8	297.4	322.8	379.6	432.4	477.4	526.3
85°	90.0	99.8	133.1	178.1	227.0	246.5	273.9	326.8	379.6	424.6	473.5
87.5°	41.1	54.8	90.0	135.0	182.0	203.5	227.0	277.8	330.7	375.7	426.5
90°	3.9	23.5	58.7	97.8	142.8	162.4	185.9	234.8	285.7	326.8	375.7
92.5°	0.0	9.8	35.2	70.4	109.6	129.1	150.7	197.6	242.6	283.7	330.7
95°	0.0	3.9	19.6	48.9	82.2	99.8	119.4	162.4	207.4	246.5	289.6
97.5°	0.0	2.0	11.7	33.3	60.7	76.3	93.9	133.1	174.1	211.3	250.4
100°	0.0	2.0	5.9	21.5	45.0	56.7	74.4	107.6	144.8	178.1	217.2
102.5°	0.0	0.0	3.9	13.7	33.3	43.0	56.7	86.1	119.4	150.7	185.9
105°	0.0	0.0	2.0	9.8	23.5	31.3	43.0	68.5	97.8	125.2	158.5
107.5°	0.0	0.0	2.0	5.9	15.7	23.5	33.3	52.8	78.3	103.7	133.1
110°	2.0	2.0	2.0	3.9	11.7	17.6	23.5	41.1	64.6	86.1	111.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.0	2.0	2.0	2.0	7.8	11.7	17.6	31.3	50.9	68.5	92.0
115°	2.0	2.0	2.0	2.0	5.9	7.8	11.7	23.5	39.1	54.8	74.4
117.5°	2.0	2.0	2.0	2.0	3.9	5.9	7.8	17.6	29.3	43.0	60.7
120°	2.0	2.0	2.0	2.0	2.0	3.9	5.9	11.7	23.5	33.3	48.9
122.5°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	9.8	17.6	25.4	37.2
125°	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	11.7	19.6	29.3
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	7.8	13.7	21.5
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	9.8	15.7
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	7.8	11.7
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	7.8
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
145°	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
155°	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0
157.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0
162.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0
165°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0
167.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0
170°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
172.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0
175°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
177.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2488.8	2494.7	2500.6	2484.9	2494.7	2512.3	2518.2	2494.7	2502.5	2486.9
5°	2481.0	2484.9	2492.7	2473.2	2486.9	2502.5	2512.3	2492.7	2504.5	2492.7
7.5°	2465.3	2469.3	2479.0	2459.5	2477.1	2490.8	2502.5	2483.0	2494.7	2483.0
10°	2441.9	2447.7	2461.4	2438.0	2459.5	2471.2	2483.0	2461.4	2473.2	2461.4
12.5°	2412.5	2422.3	2434.0	2412.5	2434.0	2443.8	2459.5	2438.0	2451.7	2441.9
15°	2377.3	2387.1	2402.7	2381.2	2408.6	2416.4	2432.1	2410.6	2424.3	2414.5
17.5°	2336.2	2348.0	2367.5	2342.1	2373.4	2379.3	2394.9	2375.3	2389.0	2379.3
20°	2289.3	2301.0	2320.6	2297.1	2328.4	2332.3	2349.9	2332.3	2346.0	2340.1
22.5°	2234.5	2248.2	2267.7	2246.2	2279.5	2279.5	2301.0	2283.4	2299.0	2293.2
25°	2177.7	2193.4	2214.9	2191.4	2226.6	2226.6	2250.1	2232.5	2248.2	2244.2
27.5°	2117.1	2134.7	2160.1	2136.6	2171.9	2169.9	2193.4	2177.7	2195.3	2189.5
30°	2052.5	2072.1	2097.5	2077.9	2115.1	2111.2	2134.7	2121.0	2136.6	2134.7
32.5°	1982.1	2003.6	2034.9	2013.4	2050.5	2046.6	2076.0	2060.3	2079.9	2076.0
35°	1911.6	1935.1	1966.4	1946.8	1987.9	1982.1	2011.4	1997.7	2017.3	2015.3
37.5°	1839.2	1864.7	1896.0	1880.3	1919.4	1913.6	1944.9	1933.1	1954.7	1948.8
40°	1764.9	1790.3	1823.6	1809.9	1851.0	1843.1	1876.4	1866.6	1888.1	1884.2
42.5°	1690.5	1717.9	1751.2	1743.4	1782.5	1774.7	1807.9	1800.1	1821.6	1817.7
45°	1614.2	1643.6	1678.8	1671.0	1712.0	1704.2	1737.5	1731.6	1753.1	1751.2
47.5°	1537.9	1569.2	1604.4	1600.5	1639.7	1631.8	1667.0	1661.2	1682.7	1682.7
50°	1459.6	1494.9	1530.1	1528.1	1567.3	1559.4	1590.7	1590.7	1614.2	1612.3
52.5°	1381.4	1418.6	1455.7	1455.7	1494.9	1487.0	1522.3	1520.3	1543.8	1543.8
55°	1307.0	1340.3	1377.5	1385.3	1422.5	1410.7	1447.9	1451.8	1471.4	1473.3
57.5°	1232.7	1267.9	1305.1	1314.9	1350.1	1342.2	1377.5	1381.4	1400.9	1402.9
60°	1158.3	1191.6	1228.8	1242.5	1277.7	1269.8	1305.1	1309.0	1330.5	1332.5
62.5°	1084.0	1117.2	1158.3	1172.0	1205.3	1199.4	1236.6	1240.5	1260.1	1264.0
65°	1011.6	1046.8	1085.9	1105.5	1136.8	1129.0	1166.1	1170.1	1191.6	1193.5
67.5°	941.1	976.4	1015.5	1037.0	1066.4	1062.4	1097.7	1105.5	1123.1	1127.0
70°	872.7	907.9	949.0	970.5	999.8	997.9	1031.1	1037.0	1056.6	1058.5
72.5°	806.1	841.3	882.4	907.9	933.3	931.4	964.6	972.4	992.0	994.0
75°	741.6	778.7	817.9	845.3	870.7	868.7	902.0	909.8	927.4	929.4
77.5°	680.9	718.1	759.2	786.6	808.1	810.0	839.4	847.2	864.8	870.7
80°	624.2	659.4	698.5	727.9	747.4	751.3	778.7	788.5	802.2	810.0
82.5°	569.4	604.6	643.7	671.1	690.7	694.6	720.0	731.8	745.5	751.3
85°	516.5	551.8	588.9	618.3	635.9	637.9	663.3	675.0	686.8	696.6
87.5°	465.7	500.9	536.1	567.4	583.1	587.0	610.5	622.2	632.0	641.8
90°	414.8	450.0	485.2	514.6	530.2	532.2	557.6	569.4	579.2	587.0
92.5°	367.8	403.1	438.3	467.6	481.3	485.2	506.8	520.5	528.3	536.1
95°	322.8	358.1	389.4	420.7	434.4	440.2	459.8	471.5	481.3	485.2
97.5°	283.7	315.0	344.4	375.7	387.4	393.3	412.8	426.5	434.4	438.3
100°	246.5	275.9	303.3	332.6	344.4	350.2	367.8	379.6	387.4	393.3
102.5°	213.3	240.7	266.1	293.5	305.2	309.1	324.8	336.5	344.4	350.2
105°	183.9	209.4	232.8	258.3	268.1	273.9	287.6	297.4	305.2	309.1
107.5°	156.5	182.0	201.5	225.0	234.8	238.7	252.4	264.1	270.0	272.0
110°	133.1	154.6	174.1	193.7	205.4	209.4	221.1	230.9	236.8	238.7



TEST NUMBER: P895501
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-MID-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	111.5	131.1	148.7	166.3	176.1	180.0	191.7	201.5	205.4	207.4
115°	92.0	111.5	125.2	142.8	150.7	154.6	164.4	174.1	176.1	180.0
117.5°	74.4	92.0	105.7	119.4	127.2	131.1	138.9	146.7	150.7	152.6
120°	60.7	74.4	86.1	99.8	105.7	109.6	117.4	125.2	127.2	129.1
122.5°	48.9	60.7	70.4	82.2	88.0	92.0	97.8	103.7	105.7	107.6
125°	37.2	48.9	56.7	66.5	72.4	74.4	80.2	86.1	88.0	90.0
127.5°	29.3	37.2	45.0	52.8	56.7	58.7	64.6	68.5	70.4	72.4
130°	21.5	27.4	33.3	41.1	45.0	47.0	50.9	54.8	56.7	56.7
132.5°	15.7	21.5	25.4	31.3	33.3	35.2	39.1	43.0	43.0	45.0
135°	9.8	13.7	17.6	21.5	25.4	25.4	29.3	31.3	33.3	33.3
137.5°	7.8	9.8	11.7	15.7	17.6	19.6	19.6	23.5	23.5	23.5
140°	5.9	7.8	7.8	9.8	11.7	13.7	13.7	15.7	15.7	15.7
142.5°	3.9	5.9	5.9	7.8	7.8	9.8	9.8	9.8	11.7	11.7
145°	3.9	3.9	3.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	2.0	2.0	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
175°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
177.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



TEST NUMBER: P895501
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-MID-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	17.87	19.41	18.34	19.87	20.35	19.44	20.98	19.91	21.44	21.92
	3H	19.55	20.95	20.03	21.42	21.95	22.07	23.47	22.55	23.94	24.47
	4H	20.15	21.48	20.65	21.96	22.50	23.38	24.71	23.88	25.19	25.74
	6H	20.54	21.78	21.06	22.28	22.84	24.78	26.02	25.30	26.52	27.08
	8H	20.66	21.85	21.19	22.37	22.93	25.53	26.72	26.06	27.24	27.81
	12H	20.74	21.88	21.27	22.39	22.99	26.38	27.52	26.92	28.04	28.63
4H	2H	18.80	20.13	19.30	20.61	21.15	19.99	21.32	20.50	21.81	22.35
	3H	20.78	21.91	21.30	22.44	23.01	22.91	24.05	23.43	24.57	25.14
	4H	21.55	22.60	22.09	23.13	23.73	24.43	25.48	24.97	26.01	26.61
	6H	22.13	23.06	22.69	23.62	24.23	26.08	27.00	26.63	27.56	28.17
	8H	22.32	23.18	22.88	23.75	24.37	26.96	27.83	27.52	28.39	29.01
	12H	22.44	23.23	23.02	23.82	24.45	27.96	28.75	28.55	29.34	29.97
8H	4H	22.43	23.30	23.00	23.86	24.49	24.80	25.66	25.36	26.23	26.85
	6H	23.31	24.05	23.91	24.66	25.28	26.70	27.43	27.29	28.04	28.67
	8H	23.66	24.33	24.27	24.95	25.59	27.78	28.45	28.39	29.06	29.70
	12H	23.93	24.53	24.54	25.13	25.84	29.04	29.64	29.65	30.24	30.95
12H	4H	22.71	23.50	23.29	24.09	24.72	24.84	25.63	25.42	26.22	26.84
	6H	23.76	24.43	24.37	25.05	25.69	26.81	27.47	27.41	28.09	28.73
	8H	24.28	24.88	24.89	25.48	26.19	28.00	28.60	28.61	29.20	29.91