

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: P894387

Luminaire Tested: 8TMB-10SL-FLT-UNV-L940

Issue Date: 11/11/2024

**Test Information**

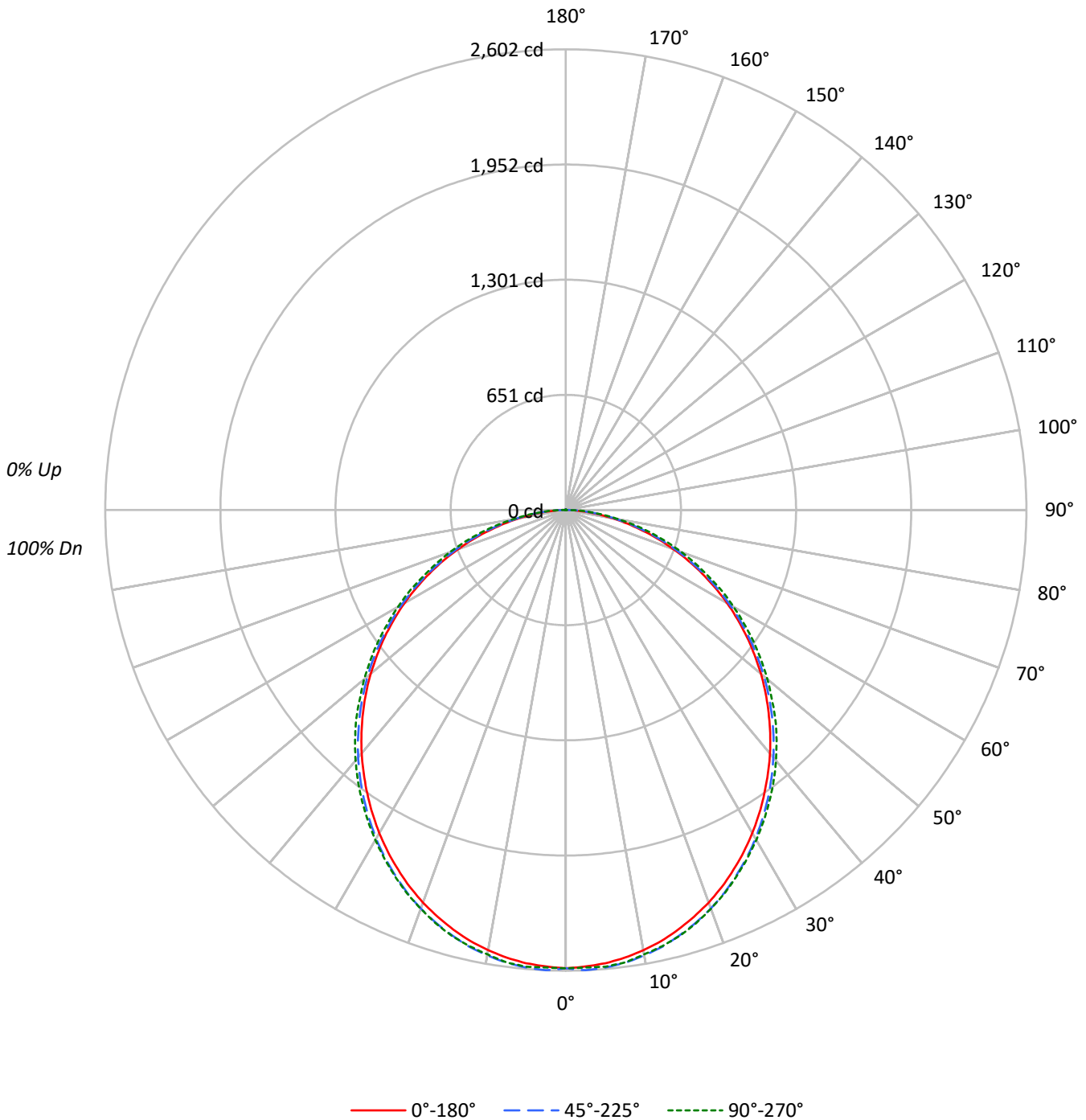
Test Method: LM-79-2019  
Report Number: P894387  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-10SL-FLT-UNV-L940  
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7185.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 70  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.995  
Total Harmonic Distortion (THDi): 5.63  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L940

### 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	9184	9184	9184
5°	9151	9239	9219
10°	9093	9202	9182
15°	9014	9132	9146
20°	8907	9043	9050
25°	8776	8917	8939
30°	8632	8780	8819
35°	8470	8618	8692
40°	8311	8452	8557
45°	8129	8262	8405
50°	7939	8064	8210
55°	7724	7841	8006
60°	7476	7597	7772
65°	7143	7286	7477
70°	6722	6919	7234
75°	6183	6442	6857
80°	5460	5885	6195
85°	4706	5398	5785

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8405 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.8	3.4
10°-20°	697.6	9.7
20°-30°	1045.4	14.5
30°-40°	1243.9	17.3
40°-50°	1276.4	17.8
50°-60°	1143.4	15.9
60°-70°	868.8	12.1
70°-80°	505.0	7.0
80°-90°	151.5	2.1
90°-100°	3.6	0.1
100°-110°	0.6	0.0
110°-120°	0.0	0.0
120°-130°	0.3	0.0
130°-140°	0.8	0.0
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1987.8	27.7
0°-40°	3231.7	45.0
0°-60°	5651.5	78.7
0°-90°	7176.8	99.9
90°-120°	4.3	0.1
90°-150°	6.5	0.1
90°-180°	8.0	0.1
0°-180°	7185.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2588	2588	2588	2588	2588	
5°	2569	2613	2594	2581	2588	244
15°	2454	2501	2486	2482	2490	692
25°	2242	2293	2278	2274	2283	1033
35°	1955	2003	1990	1995	2007	1224
45°	1620	1660	1647	1660	1675	1250
55°	1249	1279	1268	1283	1294	1115
65°	851	872	868	883	891	842
75°	451	468	470	487	500	478
85°	116	125	133	142	142	126
90°	2	8	8	13	11	8
95°	0	2	2	4	6	0
105°	0	0	0	2	2	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	2	0	0	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	4	4	4	2	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3
2.5°	2580.7	2576.9	2580.7	2578.8	2597.8	2620.5	2616.7	2599.7	2580.7	2586.4	2601.6
5°	2569.4	2567.5	2573.2	2569.4	2588.3	2612.9	2605.4	2590.2	2573.2	2578.8	2594.0
7.5°	2550.4	2550.4	2558.0	2554.2	2571.3	2595.9	2588.3	2575.0	2558.0	2563.7	2578.8
10°	2523.9	2525.8	2535.3	2529.6	2544.7	2571.3	2563.7	2550.4	2535.3	2539.0	2554.2
12.5°	2493.6	2493.6	2504.9	2499.3	2514.4	2539.0	2529.6	2520.1	2504.9	2508.7	2525.8
15°	2453.8	2455.7	2468.9	2463.3	2476.5	2501.2	2491.7	2484.1	2470.8	2472.7	2486.0
17.5°	2408.3	2414.0	2427.3	2421.6	2434.8	2459.5	2448.1	2440.5	2429.1	2431.0	2444.3
20°	2359.0	2364.7	2378.0	2374.2	2383.7	2408.3	2396.9	2393.1	2381.8	2383.7	2395.0
22.5°	2304.1	2309.8	2324.9	2321.1	2330.6	2355.3	2342.0	2340.1	2328.7	2330.6	2340.1
25°	2241.6	2249.1	2266.2	2262.4	2270.0	2292.7	2281.4	2277.6	2270.0	2270.0	2277.6
27.5°	2177.1	2184.7	2203.7	2198.0	2203.7	2228.3	2215.0	2213.1	2205.6	2205.6	2213.1
30°	2107.0	2114.6	2135.5	2129.8	2135.5	2156.3	2143.0	2144.9	2137.3	2137.3	2143.0
32.5°	2033.1	2038.8	2061.6	2057.8	2061.6	2082.4	2069.1	2071.0	2063.4	2065.3	2067.2
35°	1955.4	1961.1	1985.8	1982.0	1983.9	2002.8	1993.3	1993.3	1987.7	1985.8	1989.6
37.5°	1875.9	1881.5	1911.9	1902.4	1902.4	1921.3	1913.8	1913.8	1908.1	1906.2	1908.1
40°	1794.4	1798.2	1830.4	1820.9	1819.0	1836.1	1830.4	1830.4	1826.6	1822.8	1824.7
42.5°	1709.1	1714.8	1747.0	1739.4	1731.9	1750.8	1745.1	1747.0	1741.3	1737.5	1737.5
45°	1620.1	1625.7	1658.0	1654.2	1642.8	1659.9	1654.2	1658.0	1650.4	1646.6	1646.6
47.5°	1531.0	1538.6	1568.9	1563.2	1551.9	1568.9	1563.2	1567.0	1559.4	1555.6	1555.6
50°	1438.2	1445.7	1478.0	1468.5	1457.1	1474.2	1470.4	1472.3	1466.6	1462.8	1460.9
52.5°	1343.4	1352.9	1383.2	1371.8	1362.4	1377.5	1375.6	1377.5	1369.9	1368.1	1366.2
55°	1248.7	1258.2	1286.6	1273.3	1265.7	1279.0	1275.2	1279.0	1271.4	1269.5	1267.6
57.5°	1150.2	1159.6	1186.2	1172.9	1167.2	1178.6	1176.7	1178.6	1172.9	1171.0	1169.1
60°	1053.5	1061.1	1085.7	1072.5	1066.8	1078.1	1074.4	1080.0	1072.5	1072.5	1070.6
62.5°	951.2	960.7	985.3	970.1	966.4	975.8	972.0	977.7	973.9	970.1	968.2
65°	850.8	856.5	879.2	865.9	860.2	871.6	869.7	873.5	867.8	869.7	867.8
67.5°	750.3	754.1	776.9	761.7	757.9	769.3	771.2	769.3	765.5	767.4	765.5
70°	648.0	651.8	670.8	657.5	655.6	665.1	668.9	667.0	663.2	665.1	667.0
72.5°	549.5	551.4	568.4	557.1	555.2	566.5	566.5	566.5	566.5	566.5	570.3
75°	451.0	452.9	468.0	458.5	456.6	468.0	468.0	468.0	468.0	471.8	469.9
77.5°	356.2	354.3	369.5	363.8	360.0	371.4	371.4	373.3	377.1	380.9	375.2
80°	267.2	265.3	276.6	269.1	269.1	280.4	278.5	280.4	284.2	286.1	288.0
82.5°	187.6	183.8	193.3	191.4	189.5	199.0	200.9	199.0	204.6	206.5	206.5
85°	115.6	115.6	121.3	117.5	117.5	125.1	125.1	127.0	130.7	132.6	132.6
87.5°	54.9	53.1	58.7	56.8	54.9	60.6	60.6	62.5	64.4	66.3	64.4
90°	1.9	1.9	3.8	3.8	3.8	7.6	7.6	7.6	9.5	9.5	7.6
92.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8
95°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9
132.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
135°	0.0	1.9	1.9	1.9	1.9	0.0	1.9	0.0	0.0	0.0	1.9
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
170°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
175°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	3.8	3.8
177.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3
2.5°	2578.8	2565.6	2559.9	2563.7	2590.2	2563.7	2592.1	2601.6	2567.5	2586.4
5°	2571.3	2558.0	2550.4	2554.2	2580.7	2556.1	2586.4	2597.8	2569.4	2588.3
7.5°	2556.1	2540.9	2537.2	2542.8	2565.6	2544.7	2575.0	2586.4	2558.0	2576.9
10°	2533.4	2520.1	2516.3	2522.0	2542.8	2522.0	2548.5	2558.0	2531.5	2548.5
12.5°	2504.9	2491.7	2487.9	2495.5	2514.4	2495.5	2522.0	2531.5	2504.9	2522.0
15°	2468.9	2455.7	2453.8	2465.1	2482.2	2465.1	2491.7	2499.3	2472.7	2489.8
17.5°	2425.4	2412.1	2414.0	2427.3	2440.5	2425.4	2450.0	2457.6	2432.9	2446.2
20°	2378.0	2362.8	2366.6	2378.0	2389.4	2374.2	2398.8	2406.4	2383.7	2396.9
22.5°	2323.0	2307.9	2311.7	2324.9	2332.5	2319.2	2342.0	2349.6	2330.6	2343.9
25°	2262.4	2249.1	2254.8	2268.1	2273.8	2262.4	2283.2	2288.9	2271.9	2283.2
27.5°	2201.8	2186.6	2194.2	2207.5	2211.2	2199.9	2220.7	2224.5	2207.5	2218.8
30°	2133.6	2118.4	2127.9	2143.0	2143.0	2135.5	2152.5	2156.3	2143.0	2152.5
32.5°	2057.8	2046.4	2057.8	2071.0	2069.1	2063.4	2080.5	2084.3	2072.9	2080.5
35°	1982.0	1972.5	1983.9	1997.1	1995.2	1989.6	2006.6	2008.5	1999.0	2006.6
37.5°	1904.3	1896.7	1908.1	1919.4	1915.7	1911.9	1927.0	1927.0	1921.3	1928.9
40°	1824.7	1817.1	1826.6	1839.9	1832.3	1832.3	1841.8	1845.5	1839.9	1847.4
42.5°	1741.3	1733.8	1745.1	1756.5	1748.9	1747.0	1758.4	1760.3	1756.5	1762.2
45°	1654.2	1646.6	1658.0	1667.4	1659.9	1659.9	1669.3	1669.3	1667.4	1675.0
47.5°	1565.1	1559.4	1568.9	1578.4	1570.8	1576.5	1576.5	1576.5	1580.3	1578.4
50°	1474.2	1468.5	1476.1	1487.4	1478.0	1479.8	1483.6	1483.6	1485.5	1487.4
52.5°	1379.4	1371.8	1379.4	1392.7	1379.4	1385.1	1387.0	1388.9	1394.6	1390.8
55°	1284.7	1277.1	1284.7	1296.1	1282.8	1290.4	1290.4	1292.3	1297.9	1294.2
57.5°	1186.2	1178.6	1189.9	1197.5	1184.3	1191.8	1191.8	1195.6	1199.4	1193.7
60°	1087.6	1081.9	1085.7	1099.0	1085.7	1093.3	1093.3	1093.3	1100.9	1095.2
62.5°	987.2	983.4	987.2	998.6	985.3	992.9	991.0	992.9	1000.5	998.6
65°	884.9	881.1	884.9	896.2	883.0	890.6	890.6	892.5	898.1	890.6
67.5°	784.5	778.8	784.5	793.9	782.6	788.2	788.2	788.2	797.7	793.9
70°	682.1	678.3	682.1	691.6	682.1	685.9	685.9	685.9	695.4	697.3
72.5°	581.7	581.7	585.5	593.1	585.5	593.1	587.4	583.6	596.9	598.8
75°	483.2	485.1	487.0	494.5	487.0	494.5	490.8	487.0	498.3	500.2
77.5°	392.2	392.2	394.1	399.8	394.1	399.8	396.0	396.0	403.6	401.7
80°	299.4	299.4	301.3	307.0	301.3	307.0	303.2	303.2	310.7	303.2
82.5°	217.9	217.9	217.9	223.6	219.8	223.6	221.7	217.9	227.4	219.8
85°	140.2	142.1	142.1	144.0	142.1	144.0	144.0	142.1	147.8	142.1
87.5°	72.0	72.0	72.0	73.9	72.0	72.0	73.9	72.0	75.8	73.9
90°	13.3	11.4	11.4	15.2	13.3	13.3	15.2	11.4	13.3	11.4
92.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
95°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7
97.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
100°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
102.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9





TEST NUMBER: P894387  
 CATALOG NUMBER: 8TMB-10SL-FLT-UNV-L940

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.9	0.0	1.9	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
170°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P894387  
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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	19.21	20.85	19.58	21.16	21.48	19.35	20.98	19.71	21.30	21.62
	3H	21.03	22.52	21.41	22.84	23.21	21.18	22.66	21.56	22.99	23.35
	4H	21.69	23.09	22.09	23.44	23.82	21.89	23.28	22.29	23.63	24.01
	6H	22.15	23.44	22.56	23.81	24.20	22.44	23.74	22.86	24.11	24.50
	8H	22.29	23.52	22.71	23.91	24.32	22.64	23.88	23.06	24.27	24.67
	12H	22.38	23.57	22.81	23.95	24.38	22.78	23.97	23.21	24.35	24.78
4H	2H	19.84	21.24	20.24	21.59	21.97	19.95	21.35	20.35	21.70	22.08
	3H	21.89	23.06	22.30	23.46	23.86	22.02	23.19	22.43	23.59	23.99
	4H	22.68	23.74	23.11	24.16	24.59	22.86	23.93	23.30	24.34	24.78
	6H	23.25	24.18	23.71	24.63	25.08	23.56	24.49	24.01	24.93	25.39
	8H	23.44	24.31	23.91	24.76	25.23	23.80	24.67	24.26	25.12	25.58
	12H	23.59	24.37	24.07	24.85	25.32	24.00	24.78	24.48	25.25	25.73
8H	4H	23.01	23.88	23.47	24.32	24.79	23.17	24.04	23.64	24.49	24.95
	6H	23.71	24.44	24.21	24.92	25.40	24.00	24.72	24.49	25.21	25.69
	8H	23.97	24.62	24.48	25.13	25.62	24.33	24.98	24.84	25.49	25.98
	12H	24.19	24.77	24.70	25.26	25.82	24.61	25.19	25.12	25.68	26.24
12H	4H	23.05	23.83	23.53	24.31	24.78	23.21	23.99	23.69	24.46	24.94
	6H	23.78	24.43	24.29	24.94	25.43	24.06	24.71	24.57	25.21	25.70
	8H	24.11	24.68	24.62	25.17	25.74	24.45	25.03	24.96	25.52	26.08