

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: P894388

Luminaire Tested: 8TMB-10SL-FLT-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894388
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-L950
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

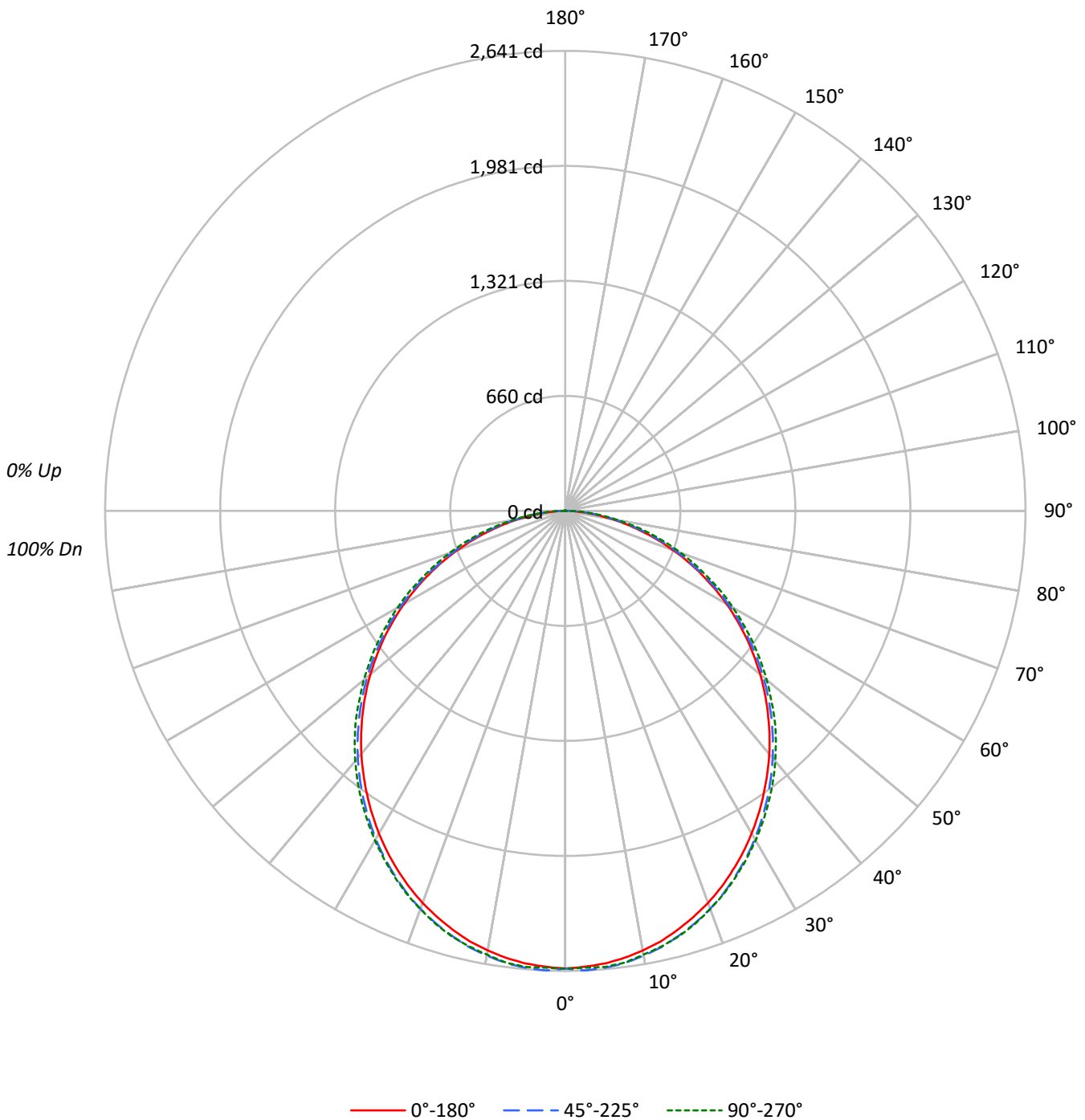
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7292.9 lumens
Efficiency: N/A
Efficacy: 104.2 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 (Ain): 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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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°	9322	9322	9322
5°	9289	9378	9357
10°	9230	9341	9320
15°	9149	9269	9283
20°	9041	9179	9187
25°	8908	9051	9073
30°	8762	8912	8952
35°	8597	8747	8822
40°	8436	8578	8685
45°	8251	8386	8531
50°	8058	8185	8334
55°	7841	7960	8126
60°	7589	7712	7889
65°	7250	7396	7589
70°	6824	7023	7343
75°	6275	6539	6960
80°	5541	5973	6287
85°	4775	5480	5870

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.4	3.4
10°-20°	708.1	9.7
20°-30°	1061.1	14.6
30°-40°	1262.6	17.3
40°-50°	1295.6	17.8
50°-60°	1160.6	15.9
60°-70°	881.9	12.1
70°-80°	512.6	7.0
80°-90°	153.8	2.1
90°-100°	3.6	0.0
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°	2017.7	27.7
0°-40°	3280.3	45.0
0°-60°	5736.5	78.7
0°-90°	7284.7	99.9
90°-120°	4.3	0.1
90°-150°	6.5	0.1
90°-180°	8.0	0.1
0°-180°	7292.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2627	2627	2627	2627	2627	
5°	2608	2652	2633	2620	2627	247
15°	2491	2539	2523	2520	2527	702
25°	2275	2327	2312	2308	2318	1048
35°	1985	2033	2020	2025	2037	1242
45°	1644	1685	1671	1685	1700	1269
55°	1268	1298	1287	1302	1314	1132
65°	864	885	881	896	904	855
75°	458	475	477	494	508	486
85°	117	127	135	144	144	128
90°	2	8	8	14	12	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	



TEST NUMBER: P894388

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2
2.5°	2619.5	2615.7	2619.5	2617.6	2636.8	2659.9	2656.1	2638.8	2619.5	2625.3	2640.7
5°	2608.0	2606.1	2611.8	2608.0	2627.2	2652.2	2644.5	2629.1	2611.8	2617.6	2633.0
7.5°	2588.8	2588.8	2596.4	2592.6	2609.9	2634.9	2627.2	2613.8	2596.4	2602.2	2617.6
10°	2561.8	2563.7	2573.4	2567.6	2583.0	2609.9	2602.2	2588.8	2573.4	2577.2	2592.6
12.5°	2531.1	2531.1	2542.6	2536.8	2552.2	2577.2	2567.6	2558.0	2542.6	2546.4	2563.7
15°	2490.7	2492.6	2506.1	2500.3	2513.7	2538.7	2529.1	2521.4	2508.0	2509.9	2523.4
17.5°	2444.5	2450.3	2463.7	2458.0	2471.4	2496.4	2484.9	2477.2	2465.7	2467.6	2481.0
20°	2394.5	2400.3	2413.7	2409.9	2419.5	2444.5	2433.0	2429.1	2417.6	2419.5	2431.0
22.5°	2338.7	2344.5	2359.9	2356.0	2365.7	2390.7	2377.2	2375.3	2363.7	2365.7	2375.3
25°	2275.3	2282.9	2300.3	2296.4	2304.1	2327.2	2315.6	2311.8	2304.1	2304.1	2311.8
27.5°	2209.9	2217.6	2236.8	2231.0	2236.8	2261.8	2248.3	2246.4	2238.7	2238.7	2246.4
30°	2138.7	2146.4	2167.6	2161.8	2167.6	2188.7	2175.2	2177.2	2169.5	2169.5	2175.2
32.5°	2063.7	2069.5	2092.5	2088.7	2092.5	2113.7	2100.2	2102.2	2094.5	2096.4	2098.3
35°	1984.8	1990.6	2015.6	2011.8	2013.7	2032.9	2023.3	2023.3	2017.5	2015.6	2019.5
37.5°	1904.1	1909.8	1940.6	1931.0	1931.0	1950.2	1942.5	1942.5	1936.8	1934.8	1936.8
40°	1821.4	1825.2	1857.9	1848.3	1846.4	1863.7	1857.9	1857.9	1854.1	1850.2	1852.1
42.5°	1734.8	1740.6	1773.3	1765.6	1757.9	1777.1	1771.4	1773.3	1767.5	1763.7	1763.7
45°	1644.4	1650.2	1682.9	1679.0	1667.5	1684.8	1679.0	1682.9	1675.2	1671.3	1671.3
47.5°	1554.0	1561.7	1592.5	1586.7	1575.2	1592.5	1586.7	1590.6	1582.9	1579.0	1579.0
50°	1459.8	1467.5	1500.2	1490.6	1479.0	1496.3	1492.5	1494.4	1488.6	1484.8	1482.9
52.5°	1363.6	1373.2	1404.0	1392.5	1382.8	1398.2	1396.3	1398.2	1390.5	1388.6	1386.7
55°	1267.5	1277.1	1305.9	1292.5	1284.8	1298.2	1294.4	1298.2	1290.5	1288.6	1286.7
57.5°	1167.4	1177.1	1204.0	1190.5	1184.7	1196.3	1194.4	1196.3	1190.5	1188.6	1186.7
60°	1069.4	1077.0	1102.0	1088.6	1082.8	1094.4	1090.5	1096.3	1088.6	1088.6	1086.7
62.5°	965.5	975.1	1000.1	984.7	980.9	990.5	986.6	992.4	988.6	984.7	982.8
65°	863.6	869.3	892.4	878.9	873.2	884.7	882.8	886.6	880.9	882.8	880.9
67.5°	761.6	765.5	788.6	773.2	769.3	780.9	782.8	780.9	777.0	778.9	777.0
70°	657.8	661.6	680.8	667.4	665.5	675.1	678.9	677.0	673.2	675.1	677.0
72.5°	557.8	559.7	577.0	565.4	563.5	575.1	575.1	575.1	575.1	575.1	578.9
75°	457.7	459.7	475.1	465.4	463.5	475.1	475.1	475.1	475.1	478.9	477.0
77.5°	361.6	359.7	375.0	369.3	365.4	377.0	377.0	378.9	382.7	386.6	380.8
80°	271.2	269.3	280.8	273.1	273.1	284.6	282.7	284.6	288.5	290.4	292.3
82.5°	190.4	186.6	196.2	194.3	192.3	201.9	203.9	201.9	207.7	209.6	209.6
85°	117.3	117.3	123.1	119.2	119.2	126.9	126.9	128.9	132.7	134.6	134.6
87.5°	55.8	53.9	59.6	57.7	55.8	61.5	61.5	63.5	65.4	67.3	65.4
90°	1.9	1.9	3.8	3.8	3.8	7.7	7.7	7.7	9.6	9.6	7.7
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°	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2	2627.2
2.5°	2617.6	2604.1	2598.4	2602.2	2629.1	2602.2	2631.1	2640.7	2606.1	2625.3
5°	2609.9	2596.4	2588.8	2592.6	2619.5	2594.5	2625.3	2636.8	2608.0	2627.2
7.5°	2594.5	2579.1	2575.3	2581.1	2604.1	2583.0	2613.8	2625.3	2596.4	2615.7
10°	2571.4	2558.0	2554.1	2559.9	2581.1	2559.9	2586.8	2596.4	2569.5	2586.8
12.5°	2542.6	2529.1	2525.3	2533.0	2552.2	2533.0	2559.9	2569.5	2542.6	2559.9
15°	2506.1	2492.6	2490.7	2502.2	2519.5	2502.2	2529.1	2536.8	2509.9	2527.2
17.5°	2461.8	2448.4	2450.3	2463.7	2477.2	2461.8	2486.8	2494.5	2469.5	2483.0
20°	2413.7	2398.3	2402.2	2413.7	2425.3	2409.9	2434.9	2442.6	2419.5	2433.0
22.5°	2358.0	2342.6	2346.4	2359.9	2367.6	2354.1	2377.2	2384.9	2365.7	2379.1
25°	2296.4	2282.9	2288.7	2302.2	2308.0	2296.4	2317.6	2323.3	2306.0	2317.6
27.5°	2234.9	2219.5	2227.2	2240.6	2244.5	2232.9	2254.1	2257.9	2240.6	2252.2
30°	2165.6	2150.2	2159.9	2175.2	2175.2	2167.6	2184.9	2188.7	2175.2	2184.9
32.5°	2088.7	2077.2	2088.7	2102.2	2100.2	2094.5	2111.8	2115.6	2104.1	2111.8
35°	2011.8	2002.1	2013.7	2027.2	2025.2	2019.5	2036.8	2038.7	2029.1	2036.8
37.5°	1932.9	1925.2	1936.8	1948.3	1944.4	1940.6	1956.0	1956.0	1950.2	1957.9
40°	1852.1	1844.4	1854.1	1867.5	1859.8	1859.8	1869.4	1873.3	1867.5	1875.2
42.5°	1767.5	1759.8	1771.4	1782.9	1775.2	1773.3	1784.8	1786.7	1782.9	1788.7
45°	1679.0	1671.3	1682.9	1692.5	1684.8	1684.8	1694.4	1694.4	1692.5	1700.2
47.5°	1588.6	1582.9	1592.5	1602.1	1594.4	1600.2	1600.2	1600.2	1604.0	1602.1
50°	1496.3	1490.6	1498.2	1509.8	1500.2	1502.1	1505.9	1505.9	1507.9	1509.8
52.5°	1400.2	1392.5	1400.2	1413.6	1400.2	1405.9	1407.9	1409.8	1415.5	1411.7
55°	1304.0	1296.3	1304.0	1315.5	1302.1	1309.8	1309.8	1311.7	1317.5	1313.6
57.5°	1204.0	1196.3	1207.8	1215.5	1202.1	1209.8	1209.8	1213.6	1217.4	1211.7
60°	1104.0	1098.2	1102.0	1115.5	1102.0	1109.7	1109.7	1109.7	1117.4	1111.7
62.5°	1002.0	998.2	1002.0	1013.6	1000.1	1007.8	1005.9	1007.8	1015.5	1013.6
65°	898.2	894.3	898.2	909.7	896.3	903.9	903.9	905.9	911.6	903.9
67.5°	796.2	790.5	796.2	805.9	794.3	800.1	800.1	800.1	809.7	805.9
70°	692.4	688.5	692.4	702.0	692.4	696.2	696.2	696.2	705.8	707.8
72.5°	590.5	590.5	594.3	602.0	594.3	602.0	596.2	592.4	605.8	607.8
75°	490.4	492.4	494.3	502.0	494.3	502.0	498.1	494.3	505.8	507.7
77.5°	398.1	398.1	400.0	405.8	400.0	405.8	402.0	402.0	409.7	407.7
80°	303.9	303.9	305.8	311.6	305.8	311.6	307.7	307.7	315.4	307.7
82.5°	221.2	221.2	221.2	226.9	223.1	226.9	225.0	221.2	230.8	223.1
85°	142.3	144.2	144.2	146.2	144.2	146.2	146.2	144.2	150.0	144.2
87.5°	73.1	73.1	73.1	75.0	73.1	73.1	75.0	73.1	76.9	75.0
90°	13.5	11.5	11.5	15.4	13.5	13.5	15.4	11.5	13.5	11.5
92.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7
95°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.8
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: P894388
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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: P894388
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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	19.26	20.90	19.63	21.22	21.53	19.40	21.04	19.77	21.35	21.67
	3H	21.09	22.57	21.46	22.90	23.26	21.23	22.71	21.61	23.04	23.40
	4H	21.75	23.14	22.15	23.49	23.87	21.94	23.33	22.34	23.68	24.06
	6H	22.20	23.49	22.61	23.86	24.25	22.50	23.79	22.91	24.16	24.55
	8H	22.34	23.58	22.76	23.97	24.37	22.69	23.93	23.12	24.32	24.72
	12H	22.43	23.62	22.87	24.00	24.44	22.83	24.02	23.26	24.40	24.83
4H	2H	19.90	21.29	20.30	21.64	22.02	20.00	21.40	20.40	21.75	22.13
	3H	21.94	23.11	22.35	23.51	23.91	22.07	23.24	22.48	23.64	24.05
	4H	22.73	23.79	23.16	24.21	24.65	22.92	23.98	23.35	24.39	24.83
	6H	23.31	24.24	23.76	24.68	25.14	23.61	24.54	24.06	24.98	25.44
	8H	23.50	24.37	23.96	24.81	25.28	23.85	24.72	24.32	25.17	25.64
	12H	23.64	24.42	24.12	24.90	25.37	24.05	24.83	24.53	25.31	25.78
8H	4H	23.06	23.93	23.52	24.37	24.84	23.23	24.10	23.69	24.54	25.01
	6H	23.76	24.49	24.26	24.98	25.45	24.05	24.78	24.55	25.27	25.74
	8H	24.03	24.68	24.54	25.18	25.67	24.38	25.03	24.89	25.54	26.03
	12H	24.24	24.82	24.75	25.31	25.87	24.67	25.24	25.17	25.73	26.30
12H	4H	23.10	23.89	23.59	24.36	24.83	23.26	24.04	23.74	24.52	24.99
	6H	23.83	24.48	24.34	24.99	25.48	24.11	24.76	24.62	25.27	25.75
	8H	24.16	24.73	24.67	25.23	25.79	24.50	25.08	25.01	25.57	26.13