

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: P894435

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894435
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-10SL-RND-UNV-L940
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

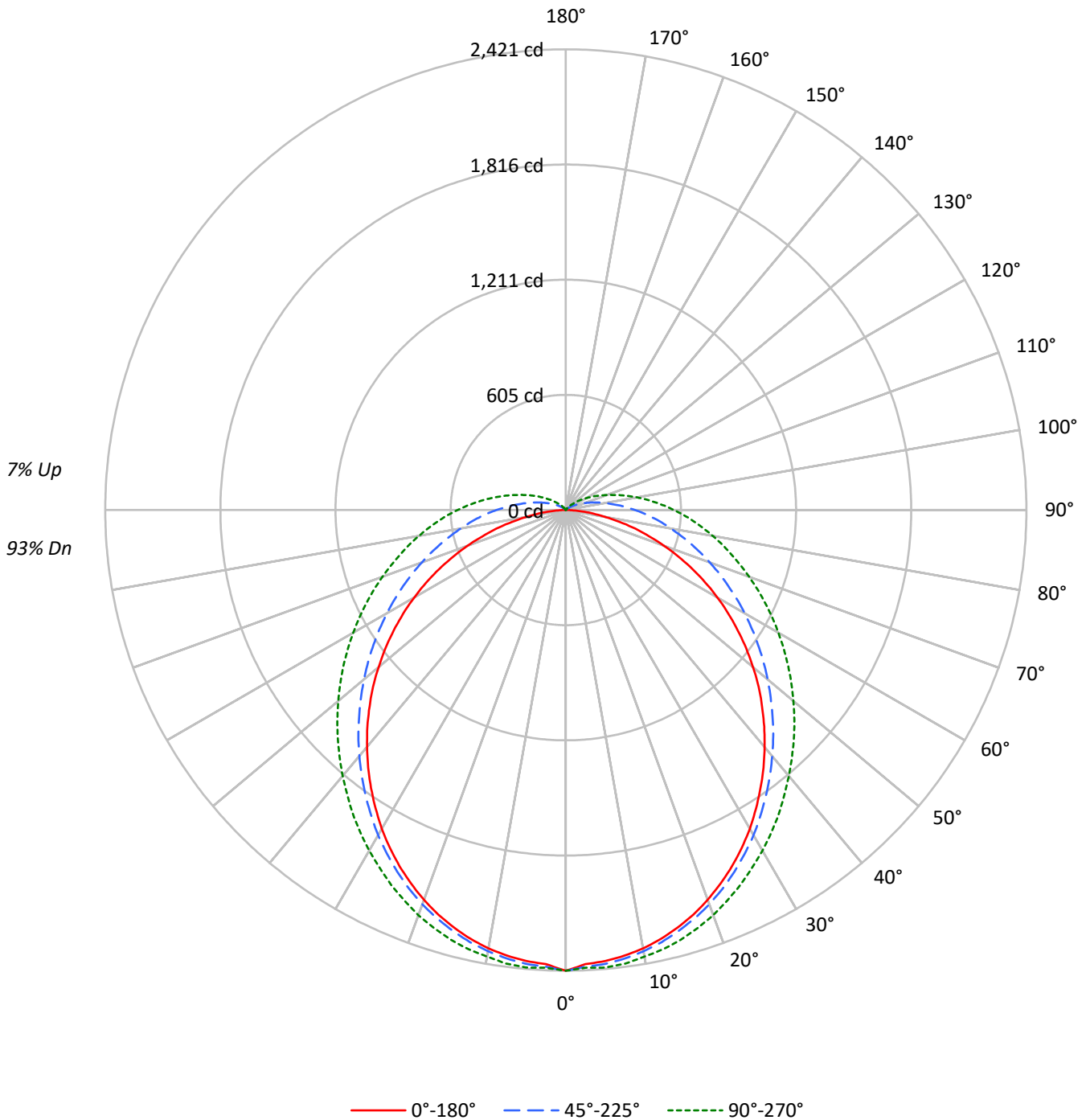
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8014.0 lumens
Efficiency: N/A
Efficacy: 114.5 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): 70
Input Voltage (V): 120
Input Current (A_{in}): 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				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°	8589	8589	8589
5°	8474	8528	8595
10°	8429	8483	8585
15°	8343	8412	8586
20°	8232	8325	8554
25°	8091	8209	8506
30°	7924	8087	8467
35°	7729	7942	8451
40°	7528	7817	8449
45°	7319	7708	8507
50°	7089	7643	8615
55°	6831	7628	8824
60°	6533	7702	9154
65°	6171	7904	9701
70°	5718	8351	10631
75°	5168	9296	12335
80°	4373	11457	16023
85°	3546	18662	27451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 50538 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	2.9
10°-20°	652.3	8.1
20°-30°	976.7	12.2
30°-40°	1164.6	14.5
40°-50°	1207.8	15.1
50°-60°	1120.6	14.0
60°-70°	934.8	11.7
70°-80°	697.0	8.7
80°-90°	464.1	5.8
90°-100°	282.5	3.5
100°-110°	157.8	2.0
110°-120°	78.8	1.0
120°-130°	32.9	0.4
130°-140°	10.4	0.1
140°-150°	2.6	0.0
150°-160°	1.1	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1858.0	23.2
0°-40°	3022.6	37.7
0°-60°	5351.0	66.8
0°-90°	7446.9	92.9
90°-120°	519.1	6.5
90°-150°	565.0	7.0
90°-180°	567.0	7.1
0°-180°	8014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2421	2421	2421	2421	2421	
5°	2379	2434	2394	2408	2413	226
15°	2271	2330	2290	2332	2338	640
25°	2067	2122	2097	2156	2173	951
35°	1784	1832	1834	1924	1951	1116
45°	1459	1496	1536	1657	1695	1126
55°	1104	1142	1233	1377	1426	987
65°	735	794	941	1100	1156	727
75°	377	481	678	843	900	398
85°	87	239	458	616	674	98
90°	4	157	364	513	568	6
95°	0	97	280	420	470	0
105°	0	30	153	260	299	0
115°	2	8	72	146	174	2
125°	2	2	28	70	87	2
135°	2	2	8	25	32	1
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8
2.5°	2388.6	2392.4	2426.5	2424.6	2418.9	2441.7	2447.3	2428.4	2398.1	2428.4	2401.9
5°	2379.1	2382.9	2417.0	2415.1	2409.5	2434.1	2436.0	2418.9	2388.6	2418.9	2394.3
7.5°	2362.1	2365.9	2400.0	2398.1	2394.3	2418.9	2417.0	2403.8	2371.6	2403.8	2377.3
10°	2339.4	2341.3	2377.3	2373.5	2371.6	2396.2	2390.5	2379.1	2346.9	2379.1	2354.5
12.5°	2309.1	2311.0	2346.9	2343.2	2343.2	2365.9	2358.3	2348.8	2316.6	2346.9	2326.1
15°	2271.2	2273.1	2307.2	2305.3	2305.3	2329.9	2318.5	2311.0	2280.6	2312.8	2290.1
17.5°	2229.5	2227.6	2263.6	2259.8	2263.6	2286.3	2271.2	2267.4	2239.0	2269.3	2250.3
20°	2180.3	2180.3	2212.5	2210.6	2216.2	2237.1	2218.1	2220.0	2191.6	2223.8	2204.9
22.5°	2125.3	2123.4	2155.6	2155.6	2161.3	2182.1	2161.3	2167.0	2138.6	2168.9	2153.7
25°	2066.6	2062.8	2095.0	2095.0	2104.5	2121.5	2098.8	2106.4	2079.9	2110.2	2096.9
27.5°	2002.2	1996.5	2028.7	2030.6	2038.2	2055.2	2030.6	2042.0	2017.3	2045.8	2036.3
30°	1934.0	1928.3	1960.5	1962.4	1971.9	1985.1	1960.5	1975.7	1952.9	1981.4	1973.8
32.5°	1860.1	1856.3	1886.6	1890.4	1899.9	1909.4	1886.6	1901.8	1882.9	1911.3	1903.7
35°	1784.4	1780.6	1809.0	1814.7	1824.1	1831.7	1807.1	1827.9	1810.9	1837.4	1833.6
37.5°	1706.7	1701.0	1731.3	1735.1	1746.5	1750.3	1727.5	1752.2	1737.0	1763.5	1761.6
40°	1625.2	1619.6	1649.9	1653.7	1665.0	1665.0	1646.1	1672.6	1661.2	1685.9	1687.8
42.5°	1543.8	1538.1	1564.6	1572.2	1581.7	1581.7	1562.7	1591.1	1583.6	1608.2	1613.9
45°	1458.6	1452.9	1477.5	1485.1	1496.4	1496.4	1477.5	1509.7	1504.0	1528.6	1536.2
47.5°	1375.2	1367.6	1390.4	1397.9	1409.3	1407.4	1392.3	1424.5	1422.6	1447.2	1460.4
50°	1284.3	1278.6	1301.3	1308.9	1322.2	1318.4	1307.0	1341.1	1341.1	1365.7	1384.7
52.5°	1195.3	1189.6	1212.3	1219.9	1231.2	1231.2	1219.9	1255.9	1261.6	1286.2	1308.9
55°	1104.3	1096.8	1119.5	1127.1	1140.3	1142.2	1132.7	1168.7	1180.1	1208.5	1233.1
57.5°	1013.4	1009.6	1028.6	1036.1	1053.2	1053.2	1047.5	1085.4	1100.5	1130.9	1159.3
60°	920.6	916.8	933.9	943.3	962.3	966.1	962.3	1002.0	1022.9	1053.2	1085.4
62.5°	827.8	824.0	841.0	854.3	875.1	878.9	880.8	922.5	945.2	977.4	1013.4
65°	735.0	731.2	748.2	763.4	788.0	793.7	799.4	842.9	869.4	903.5	941.4
67.5°	642.1	640.2	657.3	676.2	702.8	710.3	719.8	765.3	795.6	831.6	873.2
70°	551.2	549.3	566.4	589.1	621.3	630.8	642.1	687.6	725.5	763.4	805.0
72.5°	460.3	462.2	481.1	507.7	543.6	553.1	568.3	615.6	657.3	697.1	740.6
75°	377.0	377.0	397.8	428.1	467.9	481.1	498.2	547.4	591.0	632.7	678.1
77.5°	291.7	291.7	316.3	354.2	397.8	411.0	431.9	483.0	530.4	572.1	617.5
80°	214.0	217.8	246.2	284.1	329.6	346.6	371.3	422.4	473.6	515.2	560.7
82.5°	145.9	151.5	181.8	225.4	270.9	287.9	312.5	367.5	418.6	462.2	509.5
85°	87.1	96.6	128.8	172.4	219.7	238.7	265.2	316.3	367.5	411.0	458.4
87.5°	39.8	53.0	87.1	130.7	176.2	197.0	219.7	269.0	320.1	363.7	412.9
90°	3.8	22.7	56.8	94.7	138.3	157.2	180.0	227.3	276.6	316.3	363.7
92.5°	0.0	9.5	34.1	68.2	106.1	125.0	145.9	191.3	234.9	274.7	320.1
95°	0.0	3.8	18.9	47.4	79.6	96.6	115.5	157.2	200.8	238.7	280.3
97.5°	0.0	1.9	11.4	32.2	58.7	73.9	90.9	128.8	168.6	204.6	242.5
100°	0.0	1.9	5.7	20.8	43.6	54.9	72.0	104.2	140.2	172.4	210.3
102.5°	0.0	0.0	3.8	13.3	32.2	41.7	54.9	83.3	115.5	145.9	180.0
105°	0.0	0.0	1.9	9.5	22.7	30.3	41.7	66.3	94.7	121.2	153.4
107.5°	0.0	0.0	1.9	5.7	15.2	22.7	32.2	51.1	75.8	100.4	128.8
110°	1.9	1.9	1.9	3.8	11.4	17.0	22.7	39.8	62.5	83.3	108.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.9	1.9	1.9	1.9	7.6	11.4	17.0	30.3	49.2	66.3	89.0
115°	1.9	1.9	1.9	1.9	5.7	7.6	11.4	22.7	37.9	53.0	72.0
117.5°	1.9	1.9	1.9	1.9	3.8	5.7	7.6	17.0	28.4	41.7	58.7
120°	1.9	1.9	1.9	1.9	1.9	3.8	5.7	11.4	22.7	32.2	47.4
122.5°	1.9	1.9	1.9	1.9	1.9	3.8	3.8	9.5	17.0	24.6	36.0
125°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	11.4	18.9	28.4
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	7.6	13.3	20.8
130°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	9.5	15.2
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	7.6	11.4
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	7.6
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.7
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
145°	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
155°	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9
157.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9
160°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9
162.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9
165°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9
167.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9
170°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
172.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9
175°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8	2420.8
2.5°	2409.5	2415.1	2420.8	2405.7	2415.1	2432.2	2437.9	2415.1	2422.7	2407.6
5°	2401.9	2405.7	2413.2	2394.3	2407.6	2422.7	2432.2	2413.2	2424.6	2413.2
7.5°	2386.7	2390.5	2400.0	2381.0	2398.1	2411.3	2422.7	2403.8	2415.1	2403.8
10°	2364.0	2369.7	2382.9	2360.2	2381.0	2392.4	2403.8	2382.9	2394.3	2382.9
12.5°	2335.6	2345.1	2356.4	2335.6	2356.4	2365.9	2381.0	2360.2	2373.5	2364.0
15°	2301.5	2311.0	2326.1	2305.3	2331.8	2339.4	2354.5	2333.7	2346.9	2337.5
17.5°	2261.7	2273.1	2292.0	2267.4	2297.7	2303.4	2318.5	2299.6	2312.8	2303.4
20°	2216.2	2227.6	2246.6	2223.8	2254.1	2257.9	2275.0	2257.9	2271.2	2265.5
22.5°	2163.2	2176.5	2195.4	2174.6	2206.8	2206.8	2227.6	2210.6	2225.7	2220.0
25°	2108.3	2123.4	2144.3	2121.5	2155.6	2155.6	2178.4	2161.3	2176.5	2172.7
27.5°	2049.6	2066.6	2091.2	2068.5	2102.6	2100.7	2123.4	2108.3	2125.3	2119.6
30°	1987.0	2006.0	2030.6	2011.7	2047.7	2043.9	2066.6	2053.3	2068.5	2066.6
32.5°	1918.9	1939.7	1970.0	1949.2	1985.1	1981.4	2009.8	1994.6	2013.6	2009.8
35°	1850.7	1873.4	1903.7	1884.8	1924.5	1918.9	1947.3	1934.0	1952.9	1951.1
37.5°	1780.6	1805.2	1835.5	1820.4	1858.2	1852.6	1882.9	1871.5	1892.3	1886.6
40°	1708.6	1733.2	1765.4	1752.2	1791.9	1784.4	1816.6	1807.1	1827.9	1824.1
42.5°	1636.6	1663.1	1695.3	1687.8	1725.6	1718.1	1750.3	1742.7	1763.5	1759.7
45°	1562.7	1591.1	1625.2	1617.7	1657.4	1649.9	1682.1	1676.4	1697.2	1695.3
47.5°	1488.9	1519.2	1553.3	1549.5	1587.4	1579.8	1613.9	1608.2	1629.0	1629.0
50°	1413.1	1447.2	1481.3	1479.4	1517.3	1509.7	1540.0	1540.0	1562.7	1560.8
52.5°	1337.3	1373.3	1409.3	1409.3	1447.2	1439.6	1473.7	1471.8	1494.5	1494.5
55°	1265.3	1297.5	1333.5	1341.1	1377.1	1365.7	1401.7	1405.5	1424.5	1426.4
57.5°	1193.4	1227.5	1263.4	1272.9	1307.0	1299.4	1333.5	1337.3	1356.3	1358.2
60°	1121.4	1153.6	1189.6	1202.8	1236.9	1229.4	1263.4	1267.2	1288.1	1290.0
62.5°	1049.4	1081.6	1121.4	1134.6	1166.8	1161.2	1197.2	1200.9	1219.9	1223.7
65°	979.3	1013.4	1051.3	1070.2	1100.5	1093.0	1129.0	1132.7	1153.6	1155.5
67.5°	911.1	945.2	983.1	1003.9	1032.4	1028.6	1062.7	1070.2	1087.3	1091.1
70°	844.8	878.9	918.7	939.5	967.9	966.1	998.3	1003.9	1022.9	1024.8
72.5°	780.4	814.5	854.3	878.9	903.5	901.7	933.9	941.4	960.4	962.3
75°	717.9	753.9	791.8	818.3	842.9	841.0	873.2	880.8	897.9	899.8
77.5°	659.2	695.2	735.0	761.5	782.3	784.2	812.6	820.2	837.2	842.9
80°	604.3	638.4	676.2	704.7	723.6	727.4	753.9	763.4	776.6	784.2
82.5°	551.2	585.3	623.2	649.7	668.7	672.4	697.1	708.4	721.7	727.4
85°	500.1	534.2	570.2	598.6	615.6	617.5	642.1	653.5	664.9	674.3
87.5°	450.8	484.9	519.0	549.3	564.5	568.3	591.0	602.4	611.8	621.3
90°	401.6	435.7	469.8	498.2	513.3	515.2	539.9	551.2	560.7	568.3
92.5°	356.1	390.2	424.3	452.7	466.0	469.8	490.6	503.9	511.4	519.0
95°	312.5	346.6	377.0	407.3	420.5	426.2	445.1	456.5	466.0	469.8
97.5°	274.7	305.0	333.4	363.7	375.1	380.7	399.7	412.9	420.5	424.3
100°	238.7	267.1	293.6	322.0	333.4	339.1	356.1	367.5	375.1	380.7
102.5°	206.5	233.0	257.6	284.1	295.5	299.3	314.4	325.8	333.4	339.1
105°	178.1	202.7	225.4	250.0	259.5	265.2	278.5	287.9	295.5	299.3
107.5°	151.5	176.2	195.1	217.8	227.3	231.1	244.4	255.7	261.4	263.3
110°	128.8	149.6	168.6	187.5	198.9	202.7	214.0	223.5	229.2	231.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	108.0	126.9	144.0	161.0	170.5	174.3	185.6	195.1	198.9	200.8
115°	89.0	108.0	121.2	138.3	145.9	149.6	159.1	168.6	170.5	174.3
117.5°	72.0	89.0	102.3	115.5	123.1	126.9	134.5	142.1	145.9	147.7
120°	58.7	72.0	83.3	96.6	102.3	106.1	113.7	121.2	123.1	125.0
122.5°	47.4	58.7	68.2	79.6	85.2	89.0	94.7	100.4	102.3	104.2
125°	36.0	47.4	54.9	64.4	70.1	72.0	77.7	83.3	85.2	87.1
127.5°	28.4	36.0	43.6	51.1	54.9	56.8	62.5	66.3	68.2	70.1
130°	20.8	26.5	32.2	39.8	43.6	45.5	49.2	53.0	54.9	54.9
132.5°	15.2	20.8	24.6	30.3	32.2	34.1	37.9	41.7	41.7	43.6
135°	9.5	13.3	17.0	20.8	24.6	24.6	28.4	30.3	32.2	32.2
137.5°	7.6	9.5	11.4	15.2	17.0	18.9	18.9	22.7	22.7	22.7
140°	5.7	7.6	7.6	9.5	11.4	13.3	13.3	15.2	15.2	15.2
142.5°	3.8	5.7	5.7	7.6	7.6	9.5	9.5	9.5	11.4	11.4
145°	3.8	3.8	3.8	5.7	5.7	5.7	5.7	7.6	7.6	7.6
147.5°	1.9	1.9	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7
150°	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8
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	0.0
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
180°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8



TEST NUMBER: P894435
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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	17.76	19.30	18.23	19.75	20.24	19.33	20.87	19.80	21.32	21.81
	3H	19.44	20.84	19.92	21.31	21.83	21.96	23.36	22.44	23.83	24.35
	4H	20.03	21.36	20.54	21.85	22.39	23.27	24.60	23.77	25.08	25.62
	6H	20.43	21.67	20.95	22.17	22.73	24.67	25.91	25.19	26.41	26.97
	8H	20.55	21.74	21.08	22.26	22.82	25.42	26.61	25.95	27.13	27.69
	12H	20.62	21.76	21.16	22.28	22.87	26.27	27.41	26.81	27.93	28.52
4H	2H	18.69	20.02	19.19	20.50	21.04	19.88	21.21	20.39	21.70	22.24
	3H	20.67	21.80	21.18	22.33	22.89	22.80	23.93	23.31	24.46	25.02
	4H	21.44	22.48	21.98	23.02	23.62	24.32	25.36	24.86	25.90	26.50
	6H	22.02	22.94	22.58	23.51	24.12	25.97	26.89	26.52	27.45	28.06
	8H	22.20	23.07	22.77	23.63	24.26	26.85	27.71	27.41	28.28	28.90
	12H	22.33	23.12	22.91	23.71	24.34	27.85	28.64	28.43	29.23	29.86
8H	4H	22.32	23.19	22.88	23.75	24.37	24.68	25.55	25.25	26.11	26.74
	6H	23.20	23.94	23.80	24.54	25.17	26.59	27.32	27.18	27.93	28.56
	8H	23.55	24.22	24.16	24.83	25.47	27.67	28.33	28.27	28.95	29.59
	12H	23.82	24.42	24.43	25.02	25.73	28.93	29.53	29.54	30.13	30.84
12H	4H	22.60	23.39	23.18	23.98	24.61	24.73	25.51	25.31	26.11	26.73
	6H	23.65	24.32	24.26	24.93	25.57	26.69	27.36	27.30	27.98	28.62
	8H	24.17	24.76	24.78	25.37	26.08	27.89	28.49	28.50	29.09	29.80