

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: P894429

Luminaire Tested: 8TMB-10SL-RND-UNV-L830

Issue Date: 11/11/2024

**Test Information**

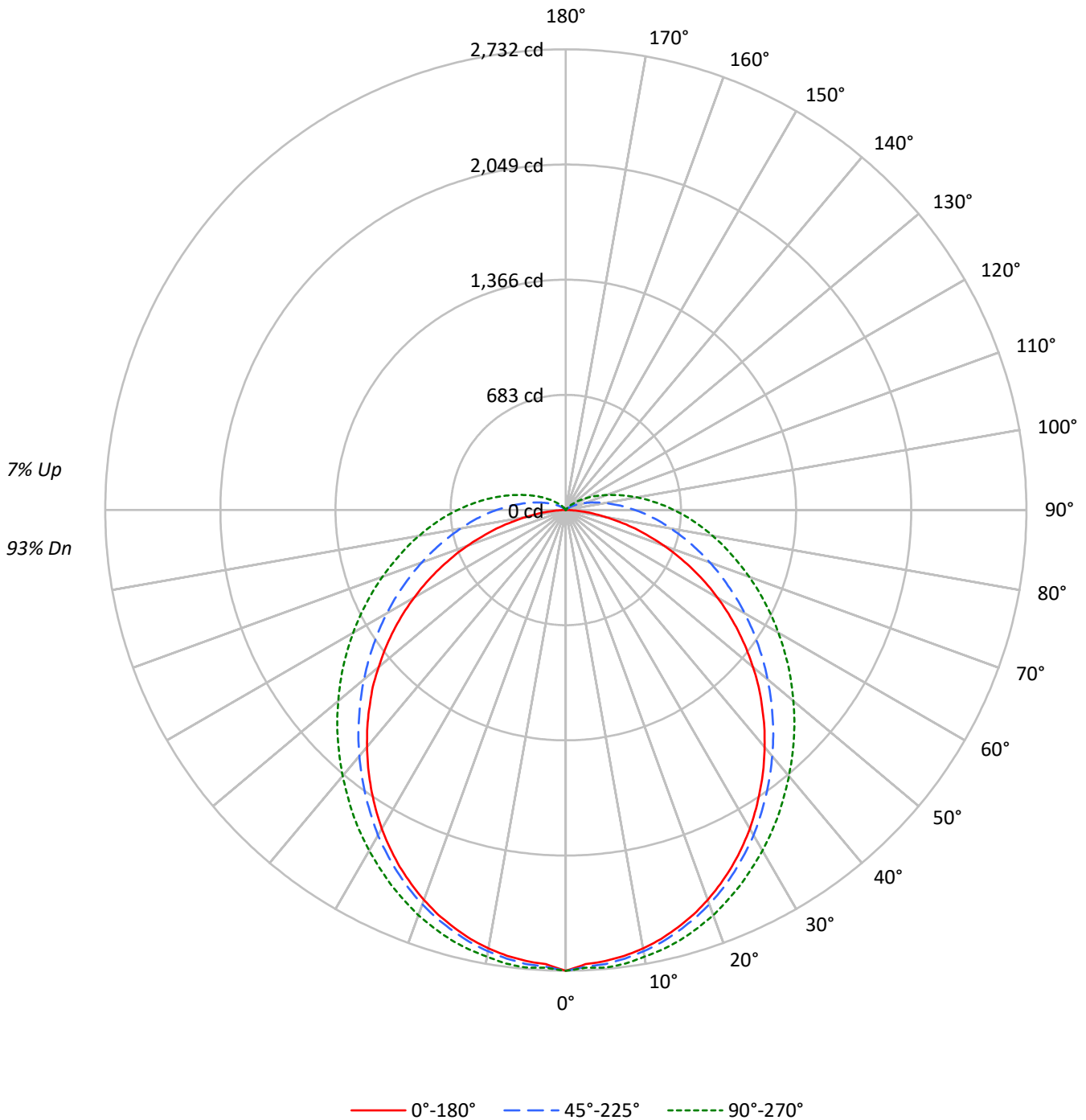
Test Method: LM-79-2019  
Report Number: P894429  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-10SL-RND-UNV-L830  
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9045.0 lumens  
Efficiency: N/A  
Efficacy: 129.2 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<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

TEST NUMBER: P894429  
CATALOG NUMBER: 8TMB-10SL-RND-UNV-L830

### 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°	9695	9695	9695
5°	9564	9625	9701
10°	9513	9574	9690
15°	9416	9494	9691
20°	9291	9396	9654
25°	9132	9265	9600
30°	8943	9127	9556
35°	8723	8964	9538
40°	8496	8823	9536
45°	8260	8700	9601
50°	8001	8627	9724
55°	7710	8610	9959
60°	7373	8693	10331
65°	6964	8920	10949
70°	6454	9426	11999
75°	5832	10493	13921
80°	4937	12930	18085
85°	4002	21064	30985

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 57038 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.4	2.9
10°-20°	736.2	8.1
20°-30°	1102.4	12.2
30°-40°	1314.4	14.5
40°-50°	1363.2	15.1
50°-60°	1264.7	14.0
60°-70°	1055.1	11.7
70°-80°	786.6	8.7
80°-90°	523.8	5.8
90°-100°	318.9	3.5
100°-110°	178.0	2.0
110°-120°	88.9	1.0
120°-130°	37.2	0.4
130°-140°	11.7	0.1
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	2097.0	23.2
0°-40°	3411.4	37.7
0°-60°	6039.4	66.8
0°-90°	8404.9	92.9
90°-120°	585.9	6.5
90°-150°	637.6	7.0
90°-180°	640.0	7.1
0°-180°	9045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2732	2732	2732	2732	2732	
5°	2685	2747	2702	2717	2724	255
15°	2563	2630	2585	2632	2638	723
25°	2332	2394	2367	2433	2452	1074
35°	2014	2067	2070	2172	2202	1260
45°	1646	1689	1734	1871	1913	1270
55°	1246	1289	1392	1554	1610	1114
65°	830	896	1062	1242	1304	821
75°	425	543	765	951	1016	450
85°	98	269	517	695	761	110
90°	4	177	410	579	641	7
95°	0	109	316	475	530	0
105°	0	34	173	293	338	0
115°	2	9	81	165	197	2
125°	2	2	32	79	98	2
135°	2	2	9	28	36	2
145°	2	2	2	6	9	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: P894429  
 CATALOG NUMBER: 8TMB-10SL-RND-UNV-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3
2.5°	2695.9	2700.2	2738.7	2736.5	2730.1	2755.8	2762.2	2740.8	2706.6	2740.8	2710.9
5°	2685.2	2689.5	2728.0	2725.8	2719.4	2747.2	2749.4	2730.1	2695.9	2730.1	2702.3
7.5°	2666.0	2670.3	2708.7	2706.6	2702.3	2730.1	2728.0	2713.0	2676.7	2713.0	2683.1
10°	2640.3	2642.5	2683.1	2678.8	2676.7	2704.5	2698.1	2685.2	2648.9	2685.2	2657.4
12.5°	2606.1	2608.3	2648.9	2644.6	2644.6	2670.3	2661.7	2651.0	2614.7	2648.9	2625.4
15°	2563.4	2565.5	2604.0	2601.8	2601.8	2629.6	2616.8	2608.3	2574.1	2610.4	2584.7
17.5°	2516.3	2514.2	2554.8	2550.5	2554.8	2580.5	2563.4	2559.1	2527.0	2561.2	2539.8
20°	2460.7	2460.7	2497.1	2494.9	2501.4	2524.9	2503.5	2505.6	2473.6	2509.9	2488.5
22.5°	2398.7	2396.6	2432.9	2432.9	2439.4	2462.9	2439.4	2445.8	2413.7	2447.9	2430.8
25°	2332.5	2328.2	2364.5	2364.5	2375.2	2394.5	2368.8	2377.4	2347.4	2381.6	2366.7
27.5°	2259.8	2253.4	2289.7	2291.8	2300.4	2319.6	2291.8	2304.7	2276.9	2309.0	2298.3
30°	2182.8	2176.4	2212.7	2214.9	2225.6	2240.5	2212.7	2229.8	2204.2	2236.3	2227.7
32.5°	2099.4	2095.2	2129.4	2133.6	2144.3	2155.0	2129.4	2146.5	2125.1	2157.2	2148.6
35°	2013.9	2009.6	2041.7	2048.1	2058.8	2067.4	2039.6	2063.1	2043.8	2073.8	2069.5
37.5°	1926.3	1919.8	1954.1	1958.3	1971.2	1975.4	1949.8	1977.6	1960.5	1990.4	1988.3
40°	1834.3	1827.9	1862.1	1866.4	1879.2	1879.2	1857.8	1887.8	1875.0	1902.7	1904.9
42.5°	1742.4	1736.0	1765.9	1774.5	1785.2	1785.2	1763.8	1795.9	1787.3	1815.1	1821.5
45°	1646.2	1639.8	1667.6	1676.1	1689.0	1689.0	1667.6	1703.9	1697.5	1725.3	1733.9
47.5°	1552.1	1543.6	1569.2	1577.8	1590.6	1588.5	1571.4	1607.7	1605.6	1633.4	1648.3
50°	1449.5	1443.1	1468.7	1477.3	1492.3	1488.0	1475.2	1513.6	1513.6	1541.4	1562.8
52.5°	1349.0	1342.6	1368.3	1376.8	1389.6	1389.6	1376.8	1417.4	1423.9	1451.6	1477.3
55°	1246.4	1237.9	1263.5	1272.1	1287.0	1289.2	1278.5	1319.1	1331.9	1364.0	1391.8
57.5°	1143.8	1139.5	1160.9	1169.4	1188.7	1188.7	1182.3	1225.0	1242.1	1276.3	1308.4
60°	1039.0	1034.8	1054.0	1064.7	1086.1	1090.3	1086.1	1131.0	1154.5	1188.7	1225.0
62.5°	934.3	930.0	949.2	964.2	987.7	992.0	994.1	1041.2	1066.8	1103.2	1143.8
65°	829.5	825.2	844.5	861.6	889.4	895.8	902.2	951.4	981.3	1019.8	1062.5
67.5°	724.8	722.6	741.9	763.2	793.2	801.7	812.4	863.7	897.9	938.5	985.6
70°	622.1	620.0	639.2	664.9	701.2	711.9	724.8	776.1	818.8	861.6	908.6
72.5°	519.5	521.7	543.0	573.0	613.6	624.3	641.4	694.8	741.9	786.8	835.9
75°	425.4	425.4	449.0	483.2	528.1	543.0	562.3	617.9	667.0	714.1	765.4
77.5°	329.2	329.2	357.0	399.8	449.0	463.9	487.4	545.2	598.6	645.7	697.0
80°	241.6	245.9	277.9	320.7	372.0	391.2	419.0	476.8	534.5	581.5	632.8
82.5°	164.6	171.0	205.2	254.4	305.7	325.0	352.8	414.8	472.5	521.7	575.1
85°	98.3	109.0	145.4	194.6	248.0	269.4	299.3	357.0	414.8	463.9	517.4
87.5°	44.9	59.9	98.3	147.5	198.8	222.3	248.0	303.6	361.3	410.5	466.1
90°	4.3	25.7	64.1	106.9	156.1	177.4	203.1	256.6	312.1	357.0	410.5
92.5°	0.0	10.7	38.5	77.0	119.7	141.1	164.6	215.9	265.1	310.0	361.3
95°	0.0	4.3	21.4	53.4	89.8	109.0	130.4	177.4	226.6	269.4	316.4
97.5°	0.0	2.1	12.8	36.3	66.3	83.4	102.6	145.4	190.3	230.9	273.7
100°	0.0	2.1	6.4	23.5	49.2	62.0	81.2	117.6	158.2	194.6	237.3
102.5°	0.0	0.0	4.3	15.0	36.3	47.0	62.0	94.1	130.4	164.6	203.1
105°	0.0	0.0	2.1	10.7	25.7	34.2	47.0	74.8	106.9	136.8	173.2
107.5°	0.0	0.0	2.1	6.4	17.1	25.7	36.3	57.7	85.5	113.3	145.4
110°	2.1	2.1	2.1	4.3	12.8	19.2	25.7	44.9	70.6	94.1	121.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.1	2.1	2.1	2.1	8.6	12.8	19.2	34.2	55.6	74.8	100.5
115°	2.1	2.1	2.1	2.1	6.4	8.6	12.8	25.7	42.8	59.9	81.2
117.5°	2.1	2.1	2.1	2.1	4.3	6.4	8.6	19.2	32.1	47.0	66.3
120°	2.1	2.1	2.1	2.1	2.1	4.3	6.4	12.8	25.7	36.3	53.4
122.5°	2.1	2.1	2.1	2.1	2.1	4.3	4.3	10.7	19.2	27.8	40.6
125°	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	12.8	21.4	32.1
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6	15.0	23.5
130°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	10.7	17.1
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6	12.8
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.6
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3
145°	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
155°	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1
157.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1
160°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1
162.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1
165°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1
167.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1
170°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
172.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1
175°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
177.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
180°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3	2732.3
2.5°	2719.4	2725.8	2732.3	2715.2	2725.8	2745.1	2751.5	2725.8	2734.4	2717.3
5°	2710.9	2715.2	2723.7	2702.3	2717.3	2734.4	2745.1	2723.7	2736.5	2723.7
7.5°	2693.8	2698.1	2708.7	2687.4	2706.6	2721.6	2734.4	2713.0	2725.8	2713.0
10°	2668.1	2674.5	2689.5	2663.8	2687.4	2700.2	2713.0	2689.5	2702.3	2689.5
12.5°	2636.1	2646.7	2659.6	2636.1	2659.6	2670.3	2687.4	2663.8	2678.8	2668.1
15°	2597.6	2608.3	2625.4	2601.8	2631.8	2640.3	2657.4	2633.9	2648.9	2638.2
17.5°	2552.7	2565.5	2586.9	2559.1	2593.3	2599.7	2616.8	2595.4	2610.4	2599.7
20°	2501.4	2514.2	2535.6	2509.9	2544.1	2548.4	2567.6	2548.4	2563.4	2556.9
22.5°	2441.5	2456.5	2477.8	2454.3	2490.7	2490.7	2514.2	2494.9	2512.1	2505.6
25°	2379.5	2396.6	2420.1	2394.5	2432.9	2432.9	2458.6	2439.4	2456.5	2452.2
27.5°	2313.2	2332.5	2360.3	2334.6	2373.1	2370.9	2396.6	2379.5	2398.7	2392.3
30°	2242.7	2264.1	2291.8	2270.5	2311.1	2306.8	2332.5	2317.5	2334.6	2332.5
32.5°	2165.7	2189.2	2223.4	2199.9	2240.5	2236.3	2268.3	2251.2	2272.6	2268.3
35°	2088.7	2114.4	2148.6	2127.2	2172.1	2165.7	2197.8	2182.8	2204.2	2202.1
37.5°	2009.6	2037.4	2071.6	2054.5	2097.3	2090.9	2125.1	2112.3	2135.8	2129.4
40°	1928.4	1956.2	1992.5	1977.6	2022.5	2013.9	2050.3	2039.6	2063.1	2058.8
42.5°	1847.2	1877.1	1913.4	1904.9	1947.6	1939.1	1975.4	1966.9	1990.4	1986.1
45°	1763.8	1795.9	1834.3	1825.8	1870.7	1862.1	1898.5	1892.1	1915.6	1913.4
47.5°	1680.4	1714.6	1753.1	1748.8	1791.6	1783.0	1821.5	1815.1	1838.6	1838.6
50°	1594.9	1633.4	1671.9	1669.7	1712.5	1703.9	1738.1	1738.1	1763.8	1761.6
52.5°	1509.4	1550.0	1590.6	1590.6	1633.4	1624.8	1663.3	1661.2	1686.8	1686.8
55°	1428.1	1464.5	1505.1	1513.6	1554.3	1541.4	1582.1	1586.3	1607.7	1609.9
57.5°	1346.9	1385.4	1426.0	1436.7	1475.2	1466.6	1505.1	1509.4	1530.7	1532.9
60°	1265.6	1302.0	1342.6	1357.6	1396.1	1387.5	1426.0	1430.3	1453.8	1455.9
62.5°	1184.4	1220.8	1265.6	1280.6	1317.0	1310.5	1351.2	1355.4	1376.8	1381.1
65°	1105.3	1143.8	1186.5	1207.9	1242.1	1233.6	1274.2	1278.5	1302.0	1304.1
67.5°	1028.3	1066.8	1109.6	1133.1	1165.2	1160.9	1199.4	1207.9	1227.2	1231.4
70°	953.5	992.0	1036.9	1060.4	1092.5	1090.3	1126.7	1133.1	1154.5	1156.6
72.5°	880.8	919.3	964.2	992.0	1019.8	1017.6	1054.0	1062.5	1083.9	1086.1
75°	810.3	850.9	893.6	923.6	951.4	949.2	985.6	994.1	1013.4	1015.5
77.5°	744.0	784.6	829.5	859.4	883.0	885.1	917.2	925.7	945.0	951.4
80°	682.0	720.5	763.2	795.3	816.7	821.0	850.9	861.6	876.5	885.1
82.5°	622.1	660.6	703.4	733.3	754.7	759.0	786.8	799.6	814.5	821.0
85°	564.4	602.9	643.5	675.6	694.8	697.0	724.8	737.6	750.4	761.1
87.5°	508.8	547.3	585.8	620.0	637.1	641.4	667.0	679.9	690.5	701.2
90°	453.2	491.7	530.2	562.3	579.4	581.5	609.3	622.1	632.8	641.4
92.5°	401.9	440.4	478.9	511.0	525.9	530.2	553.7	568.7	577.2	585.8
95°	352.8	391.2	425.4	459.7	474.6	481.0	502.4	515.2	525.9	530.2
97.5°	310.0	344.2	376.3	410.5	423.3	429.7	451.1	466.1	474.6	478.9
100°	269.4	301.4	331.4	363.4	376.3	382.7	401.9	414.8	423.3	429.7
102.5°	233.0	263.0	290.8	320.7	333.5	337.8	354.9	367.7	376.3	382.7
105°	201.0	228.8	254.4	282.2	292.9	299.3	314.3	325.0	333.5	337.8
107.5°	171.0	198.8	220.2	245.9	256.6	260.8	275.8	288.6	295.0	297.2
110°	145.4	168.9	190.3	211.7	224.5	228.8	241.6	252.3	258.7	260.8





TEST NUMBER: P894429  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	121.9	143.2	162.5	181.7	192.4	196.7	209.5	220.2	224.5	226.6
115°	100.5	121.9	136.8	156.1	164.6	168.9	179.6	190.3	192.4	196.7
117.5°	81.2	100.5	115.4	130.4	139.0	143.2	151.8	160.3	164.6	166.8
120°	66.3	81.2	94.1	109.0	115.4	119.7	128.3	136.8	139.0	141.1
122.5°	53.4	66.3	77.0	89.8	96.2	100.5	106.9	113.3	115.4	117.6
125°	40.6	53.4	62.0	72.7	79.1	81.2	87.7	94.1	96.2	98.3
127.5°	32.1	40.6	49.2	57.7	62.0	64.1	70.6	74.8	77.0	79.1
130°	23.5	29.9	36.3	44.9	49.2	51.3	55.6	59.9	62.0	62.0
132.5°	17.1	23.5	27.8	34.2	36.3	38.5	42.8	47.0	47.0	49.2
135°	10.7	15.0	19.2	23.5	27.8	27.8	32.1	34.2	36.3	36.3
137.5°	8.6	10.7	12.8	17.1	19.2	21.4	21.4	25.7	25.7	25.7
140°	6.4	8.6	8.6	10.7	12.8	15.0	15.0	17.1	17.1	17.1
142.5°	4.3	6.4	6.4	8.6	8.6	10.7	10.7	10.7	12.8	12.8
145°	4.3	4.3	4.3	6.4	6.4	6.4	6.4	8.6	8.6	8.6
147.5°	2.1	2.1	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3	4.3	4.3
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
155°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
167.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
170°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
172.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0
177.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0
180°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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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	18.18	19.72	18.65	20.17	20.66	19.75	21.29	20.22	21.74	22.23
	3H	19.86	21.26	20.34	21.73	22.25	22.38	23.78	22.86	24.25	24.77
	4H	20.45	21.78	20.96	22.27	22.81	23.69	25.02	24.19	25.50	26.04
	6H	20.85	22.09	21.37	22.59	23.15	25.09	26.33	25.61	26.83	27.39
	8H	20.97	22.16	21.50	22.68	23.24	25.84	27.03	26.37	27.55	28.11
	12H	21.05	22.19	21.58	22.70	23.29	26.69	27.83	27.23	28.35	28.94
4H	2H	19.11	20.44	19.61	20.92	21.46	20.30	21.63	20.81	22.12	22.66
	3H	21.09	22.22	21.60	22.75	23.31	23.22	24.35	23.74	24.88	25.45
	4H	21.86	22.90	22.40	23.44	24.04	24.74	25.78	25.28	26.32	26.92
	6H	22.44	23.36	23.00	23.93	24.54	26.39	27.31	26.94	27.87	28.48
	8H	22.62	23.49	23.19	24.06	24.68	27.27	28.13	27.83	28.70	29.32
	12H	22.75	23.54	23.33	24.13	24.76	28.27	29.06	28.85	29.65	30.28
8H	4H	22.74	23.61	23.30	24.17	24.79	25.10	25.97	25.67	26.53	27.16
	6H	23.62	24.36	24.22	24.96	25.59	27.01	27.74	27.60	28.35	28.98
	8H	23.97	24.64	24.58	25.25	25.89	28.09	28.75	28.69	29.37	30.01
	12H	24.24	24.84	24.85	25.44	26.15	29.35	29.95	29.96	30.55	31.26
12H	4H	23.02	23.81	23.60	24.40	25.03	25.15	25.93	25.73	26.53	27.15
	6H	24.07	24.74	24.68	25.35	25.99	27.11	27.78	27.72	28.40	29.04
	8H	24.59	25.19	25.20	25.79	26.50	28.31	28.91	28.92	29.51	30.22