

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: P894381

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894381
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-L830
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

Summary

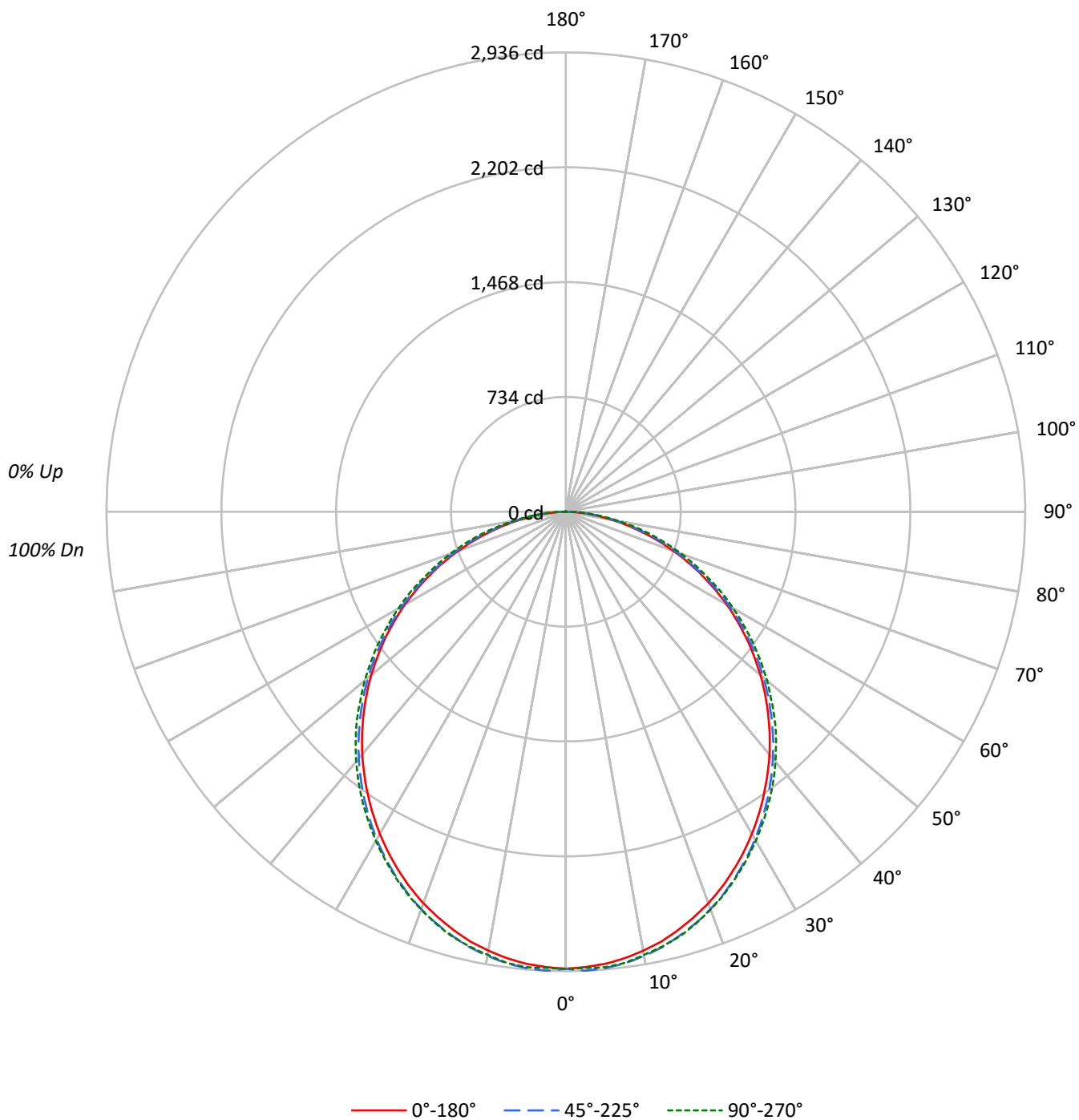
Lumens per Lamp: N/A
Luminaire Lumens: 8107.9 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69	65	61	58
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10363	10363	10363
5°	10327	10426	10403
10°	10261	10385	10361
15°	10171	10305	10321
20°	10052	10205	10213
25°	9903	10062	10087
30°	9742	9908	9952
35°	9558	9725	9808
40°	9379	9537	9656
45°	9174	9324	9485
50°	8958	9100	9265
55°	8717	8849	9034
60°	8437	8573	8770
65°	8061	8222	8438
70°	7587	7809	8163
75°	6976	7270	7739
80°	6161	6641	6990
85°	5309	6094	6530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9485 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	3.4
10°-20°	787.2	9.7
20°-30°	1179.7	14.6
30°-40°	1403.7	17.3
40°-50°	1440.3	17.8
50°-60°	1290.3	15.9
60°-70°	980.4	12.1
70°-80°	569.8	7.0
80°-90°	171.0	2.1
90°-100°	4.1	0.1
100°-110°	0.7	0.0
110°-120°	0.0	0.0
120°-130°	0.3	0.0
130°-140°	0.8	0.0
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.3	0.0
0°-30°	2243.1	27.7
0°-40°	3646.9	45.0
0°-60°	6377.5	78.7
0°-90°	8098.8	99.9
90°-120°	4.8	0.1
90°-150°	7.2	0.1
90°-180°	9.0	0.1
0°-180°	8107.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2921	2921	2921	2921	2921	
5°	2899	2949	2927	2912	2921	275
15°	2769	2822	2805	2801	2810	781
25°	2530	2587	2570	2566	2577	1166
35°	2207	2260	2245	2252	2264	1381
45°	1828	1873	1858	1873	1890	1411
55°	1409	1443	1430	1448	1460	1259
65°	960	984	979	996	1005	950
75°	509	528	530	550	564	540
85°	130	141	150	160	160	142
90°	2	9	9	15	13	9
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°	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8
2.5°	2912.3	2908.0	2912.3	2910.1	2931.5	2957.2	2952.9	2933.6	2912.3	2918.7	2935.8
5°	2899.4	2897.3	2903.7	2899.4	2920.8	2948.6	2940.1	2923.0	2903.7	2910.1	2927.2
7.5°	2878.0	2878.0	2886.6	2882.3	2901.6	2929.4	2920.8	2905.8	2886.6	2893.0	2910.1
10°	2848.1	2850.3	2860.9	2854.5	2871.6	2901.6	2893.0	2878.0	2860.9	2865.2	2882.3
12.5°	2813.9	2813.9	2826.7	2820.3	2837.4	2865.2	2854.5	2843.8	2826.7	2831.0	2850.3
15°	2769.0	2771.1	2786.1	2779.7	2794.7	2822.5	2811.8	2803.2	2788.2	2790.4	2805.3
17.5°	2717.7	2724.1	2739.1	2732.6	2747.6	2775.4	2762.6	2754.0	2741.2	2743.3	2758.3
20°	2662.1	2668.5	2683.5	2679.2	2689.9	2717.7	2704.9	2700.6	2687.7	2689.9	2702.7
22.5°	2600.1	2606.5	2623.6	2619.3	2630.0	2657.8	2642.8	2640.7	2627.9	2630.0	2640.7
25°	2529.5	2538.1	2557.3	2553.0	2561.6	2587.2	2574.4	2570.1	2561.6	2561.6	2570.1
27.5°	2456.8	2465.4	2486.8	2480.3	2486.8	2514.6	2499.6	2497.4	2488.9	2488.9	2497.4
30°	2377.7	2386.3	2409.8	2403.4	2409.8	2433.3	2418.3	2420.5	2411.9	2411.9	2418.3
32.5°	2294.3	2300.7	2326.4	2322.1	2326.4	2349.9	2334.9	2337.1	2328.5	2330.7	2332.8
35°	2206.6	2213.1	2240.9	2236.6	2238.7	2260.1	2249.4	2249.4	2243.0	2240.9	2245.1
37.5°	2116.8	2123.3	2157.5	2146.8	2146.8	2168.2	2159.6	2159.6	2153.2	2151.1	2153.2
40°	2024.9	2029.2	2065.5	2054.8	2052.7	2071.9	2065.5	2065.5	2061.2	2057.0	2059.1
42.5°	1928.7	1935.1	1971.4	1962.9	1954.3	1975.7	1969.3	1971.4	1965.0	1960.8	1960.8
45°	1828.2	1834.6	1870.9	1866.7	1853.8	1873.1	1866.7	1870.9	1862.4	1858.1	1858.1
47.5°	1727.7	1736.2	1770.4	1764.0	1751.2	1770.4	1764.0	1768.3	1759.8	1755.5	1755.5
50°	1622.9	1631.5	1667.8	1657.1	1644.3	1663.5	1659.3	1661.4	1655.0	1650.7	1648.6
52.5°	1516.0	1526.7	1560.9	1548.1	1537.4	1554.5	1552.3	1554.5	1545.9	1543.8	1541.7
55°	1409.1	1419.8	1451.9	1436.9	1428.3	1443.3	1439.0	1443.3	1434.7	1432.6	1430.5
57.5°	1297.9	1308.6	1338.5	1323.6	1317.1	1330.0	1327.8	1330.0	1323.6	1321.4	1319.3
60°	1188.9	1197.4	1225.2	1210.2	1203.8	1216.6	1212.4	1218.8	1210.2	1210.2	1208.1
62.5°	1073.4	1084.1	1111.9	1094.8	1090.5	1101.2	1096.9	1103.3	1099.0	1094.8	1092.6
65°	960.1	966.5	992.1	977.2	970.8	983.6	981.4	985.7	979.3	981.4	979.3
67.5°	846.7	851.0	876.7	859.6	855.3	868.1	870.3	868.1	863.8	866.0	863.8
70°	731.3	735.5	756.9	742.0	739.8	750.5	754.8	752.7	748.4	750.5	752.7
72.5°	620.1	622.2	641.5	628.6	626.5	639.3	639.3	639.3	639.3	639.3	643.6
75°	508.9	511.0	528.1	517.4	515.3	528.1	528.1	528.1	528.1	532.4	530.3
77.5°	402.0	399.8	417.0	410.5	406.3	419.1	419.1	421.2	425.5	429.8	423.4
80°	301.5	299.4	312.2	303.6	303.6	316.5	314.3	316.5	320.7	322.9	325.0
82.5°	211.7	207.4	218.1	216.0	213.8	224.5	226.7	224.5	230.9	233.1	233.1
85°	130.4	130.4	136.8	132.6	132.6	141.1	141.1	143.3	147.5	149.7	149.7
87.5°	62.0	59.9	66.3	64.1	62.0	68.4	68.4	70.6	72.7	74.8	72.7
90°	2.1	2.1	4.3	4.3	4.3	8.6	8.6	8.6	10.7	10.7	8.6
92.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3	4.3
95°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1

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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	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1
132.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
135°	0.0	2.1	2.1	2.1	2.1	0.0	2.1	0.0	0.0	0.0	2.1
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	2.1	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	2.1
157.5°	2.1	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	2.1
162.5°	2.1	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	2.1
167.5°	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
170°	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
172.5°	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
175°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.1	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8	2920.8
2.5°	2910.1	2895.2	2888.7	2893.0	2923.0	2893.0	2925.1	2935.8	2897.3	2918.7
5°	2901.6	2886.6	2878.0	2882.3	2912.3	2884.5	2918.7	2931.5	2899.4	2920.8
7.5°	2884.5	2867.4	2863.1	2869.5	2895.2	2871.6	2905.8	2918.7	2886.6	2908.0
10°	2858.8	2843.8	2839.6	2846.0	2869.5	2846.0	2875.9	2886.6	2856.7	2875.9
12.5°	2826.7	2811.8	2807.5	2816.0	2837.4	2816.0	2846.0	2856.7	2826.7	2846.0
15°	2786.1	2771.1	2769.0	2781.8	2801.1	2781.8	2811.8	2820.3	2790.4	2809.6
17.5°	2736.9	2722.0	2724.1	2739.1	2754.0	2736.9	2764.7	2773.3	2745.5	2760.4
20°	2683.5	2666.4	2670.6	2683.5	2696.3	2679.2	2707.0	2715.5	2689.9	2704.9
22.5°	2621.5	2604.4	2608.6	2623.6	2632.2	2617.2	2642.8	2651.4	2630.0	2645.0
25°	2553.0	2538.1	2544.5	2559.5	2565.9	2553.0	2576.6	2583.0	2563.7	2576.6
27.5°	2484.6	2467.5	2476.1	2491.0	2495.3	2482.5	2506.0	2510.3	2491.0	2503.9
30°	2407.6	2390.5	2401.2	2418.3	2418.3	2409.8	2429.0	2433.3	2418.3	2429.0
32.5°	2322.1	2309.3	2322.1	2337.1	2334.9	2328.5	2347.8	2352.0	2339.2	2347.8
35°	2236.6	2225.9	2238.7	2253.7	2251.5	2245.1	2264.4	2266.5	2255.8	2264.4
37.5°	2148.9	2140.4	2153.2	2166.0	2161.7	2157.5	2174.6	2174.6	2168.2	2176.7
40°	2059.1	2050.6	2061.2	2076.2	2067.7	2067.7	2078.4	2082.6	2076.2	2084.8
42.5°	1965.0	1956.5	1969.3	1982.1	1973.6	1971.4	1984.3	1986.4	1982.1	1988.5
45°	1866.7	1858.1	1870.9	1881.6	1873.1	1873.1	1883.8	1883.8	1881.6	1890.2
47.5°	1766.2	1759.8	1770.4	1781.1	1772.6	1779.0	1779.0	1779.0	1783.3	1781.1
50°	1663.5	1657.1	1665.7	1678.5	1667.8	1670.0	1674.2	1674.2	1676.4	1678.5
52.5°	1556.6	1548.1	1556.6	1571.6	1556.6	1563.0	1565.2	1567.3	1573.7	1569.5
55°	1449.7	1441.2	1449.7	1462.5	1447.6	1456.1	1456.1	1458.3	1464.7	1460.4
57.5°	1338.5	1330.0	1342.8	1351.4	1336.4	1344.9	1344.9	1349.2	1353.5	1347.1
60°	1227.3	1220.9	1225.2	1240.2	1225.2	1233.8	1233.8	1233.8	1242.3	1235.9
62.5°	1114.0	1109.7	1114.0	1126.8	1111.9	1120.4	1118.3	1120.4	1129.0	1126.8
65°	998.6	994.3	998.6	1011.4	996.4	1005.0	1005.0	1007.1	1013.5	1005.0
67.5°	885.2	878.8	885.2	895.9	883.1	889.5	889.5	889.5	900.2	895.9
70°	769.8	765.5	769.8	780.5	769.8	774.0	774.0	774.0	784.7	786.9
72.5°	656.4	656.4	660.7	669.3	660.7	669.3	662.8	658.6	673.5	675.7
75°	545.2	547.4	549.5	558.1	549.5	558.1	553.8	549.5	562.4	564.5
77.5°	442.6	442.6	444.8	451.2	444.8	451.2	446.9	446.9	455.4	453.3
80°	337.8	337.8	340.0	346.4	340.0	346.4	342.1	342.1	350.7	342.1
82.5°	245.9	245.9	245.9	252.3	248.0	252.3	250.2	245.9	256.6	248.0
85°	158.2	160.4	160.4	162.5	160.4	162.5	162.5	160.4	166.8	160.4
87.5°	81.3	81.3	81.3	83.4	81.3	81.3	83.4	81.3	85.5	83.4
90°	15.0	12.8	12.8	17.1	15.0	15.0	17.1	12.8	15.0	12.8
92.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.6	8.6
95°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4
97.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
100°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
102.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
105°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1
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	2.1	0.0	0.0	0.0	2.1

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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	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	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°	2.1	2.1	2.1	2.1	0.0	2.1	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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	2.1
177.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

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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	19.63	21.27	20.00	21.58	21.90	19.77	21.40	20.13	21.72	22.04
	3H	21.45	22.93	21.83	23.26	23.63	21.60	23.08	21.98	23.41	23.77
	4H	22.11	23.51	22.51	23.86	24.24	22.31	23.70	22.71	24.05	24.43
	6H	22.57	23.86	22.98	24.23	24.62	22.86	24.16	23.28	24.53	24.92
	8H	22.71	23.94	23.13	24.33	24.74	23.06	24.30	23.48	24.69	25.09
	12H	22.80	23.99	23.23	24.37	24.80	23.20	24.39	23.63	24.77	25.20
4H	2H	20.26	21.66	20.66	22.01	22.39	20.37	21.77	20.77	22.12	22.50
	3H	22.31	23.48	22.72	23.88	24.28	22.44	23.61	22.85	24.01	24.41
	4H	23.10	24.16	23.53	24.58	25.01	23.28	24.35	23.72	24.76	25.20
	6H	23.67	24.60	24.13	25.05	25.50	23.98	24.91	24.43	25.35	25.81
	8H	23.86	24.73	24.33	25.18	25.65	24.22	25.09	24.68	25.54	26.00
	12H	24.01	24.79	24.49	25.27	25.74	24.42	25.20	24.90	25.67	26.15
8H	4H	23.43	24.30	23.89	24.74	25.21	23.59	24.46	24.06	24.91	25.37
	6H	24.13	24.86	24.63	25.34	25.82	24.42	25.14	24.91	25.63	26.11
	8H	24.39	25.04	24.90	25.55	26.04	24.75	25.40	25.26	25.91	26.40
	12H	24.61	25.19	25.12	25.68	26.24	25.03	25.61	25.54	26.10	26.66
12H	4H	23.47	24.25	23.95	24.73	25.20	23.63	24.41	24.11	24.89	25.36
	6H	24.20	24.85	24.71	25.36	25.85	24.48	25.13	24.99	25.63	26.12
	8H	24.53	25.10	25.04	25.59	26.16	24.87	25.45	25.38	25.94	26.50