

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: P894386

Luminaire Tested: 8TMB-10SL-FLT-UNV-L935

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P894386  
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-L935  
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

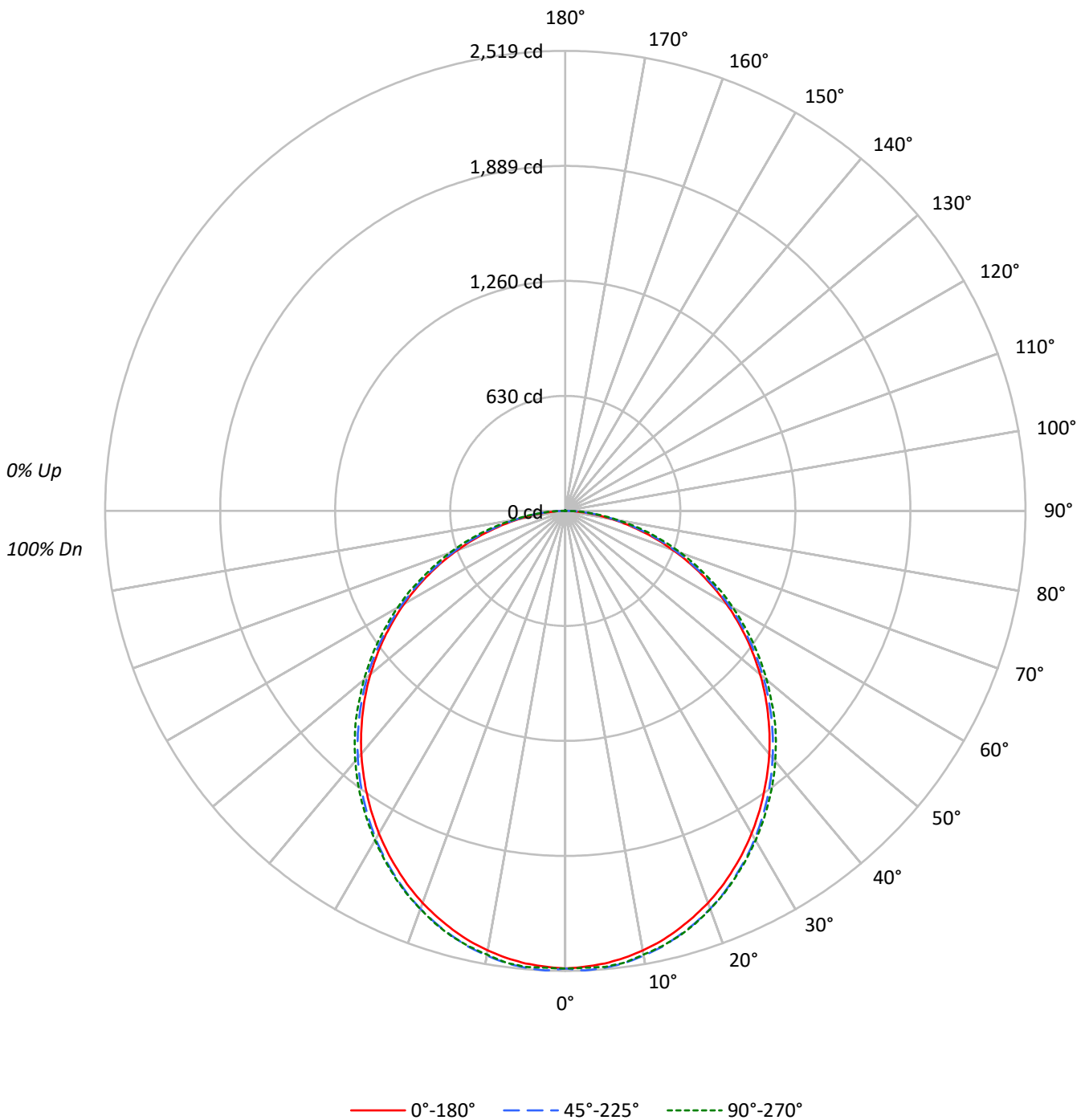
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6955.9 lumens  
Efficiency: N/A  
Efficacy: 99.4 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-L935

### 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°	8891	8891	8891
5°	8860	8944	8925
10°	8803	8909	8889
15°	8726	8841	8854
20°	8624	8755	8762
25°	8496	8632	8654
30°	8358	8500	8538
35°	8200	8343	8415
40°	8046	8182	8284
45°	7870	7999	8137
50°	7685	7807	7949
55°	7478	7591	7750
60°	7237	7355	7524
65°	6915	7054	7239
70°	6509	6699	7004
75°	5985	6236	6639
80°	5286	5697	5997
85°	4555	5227	5602

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8137 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.0	3.4
10°-20°	675.4	9.7
20°-30°	1012.1	14.6
30°-40°	1204.3	17.3
40°-50°	1235.7	17.8
50°-60°	1107.0	15.9
60°-70°	841.1	12.1
70°-80°	488.9	7.0
80°-90°	146.7	2.1
90°-100°	3.5	0.0
100°-110°	0.6	0.0
110°-120°	0.0	0.0
120°-130°	0.3	0.0
130°-140°	0.7	0.0
140°-150°	1.1	0.0
150°-160°	0.8	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1924.4	27.7
0°-40°	3128.7	45.0
0°-60°	5471.4	78.7
0°-90°	6948.1	99.9
90°-120°	4.1	0.1
90°-150°	6.2	0.1
90°-180°	8.0	0.1
0°-180°	6955.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2488	2530	2511	2498	2506	236
15°	2376	2421	2407	2403	2410	670
25°	2170	2220	2205	2201	2210	1000
35°	1893	1939	1926	1932	1943	1185
45°	1568	1607	1594	1607	1622	1210
55°	1209	1238	1227	1242	1253	1080
65°	824	844	840	855	862	815
75°	437	453	455	471	484	463
85°	112	121	128	138	138	122
90°	2	7	7	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°	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8
2.5°	2498.5	2494.8	2498.5	2496.6	2515.0	2537.0	2533.3	2516.8	2498.5	2504.0	2518.7
5°	2487.5	2485.6	2491.1	2487.5	2505.8	2529.7	2522.3	2507.7	2491.1	2496.6	2511.3
7.5°	2469.1	2469.1	2476.5	2472.8	2489.3	2513.2	2505.8	2493.0	2476.5	2482.0	2496.6
10°	2443.4	2445.3	2454.5	2449.0	2463.6	2489.3	2482.0	2469.1	2454.5	2458.1	2472.8
12.5°	2414.1	2414.1	2425.1	2419.6	2434.3	2458.1	2449.0	2439.8	2425.1	2428.8	2445.3
15°	2375.6	2377.4	2390.2	2384.7	2397.6	2421.4	2412.3	2404.9	2392.1	2393.9	2406.8
17.5°	2331.5	2337.1	2349.9	2344.4	2357.2	2381.1	2370.1	2362.7	2351.7	2353.6	2366.4
20°	2283.9	2289.4	2302.2	2298.5	2307.7	2331.5	2320.5	2316.9	2305.9	2307.7	2318.7
22.5°	2230.7	2236.2	2250.8	2247.2	2256.3	2280.2	2267.3	2265.5	2254.5	2256.3	2265.5
25°	2170.1	2177.5	2194.0	2190.3	2197.6	2219.6	2208.6	2205.0	2197.6	2197.6	2205.0
27.5°	2107.7	2115.1	2133.4	2127.9	2133.4	2157.3	2144.4	2142.6	2135.3	2135.3	2142.6
30°	2039.9	2047.2	2067.4	2061.9	2067.4	2087.6	2074.7	2076.6	2069.2	2069.2	2074.7
32.5°	1968.3	1973.8	1995.8	1992.2	1995.8	2016.0	2003.2	2005.0	1997.7	1999.5	2001.4
35°	1893.1	1898.6	1922.5	1918.8	1920.6	1939.0	1929.8	1929.8	1924.3	1922.5	1926.1
37.5°	1816.1	1821.6	1850.9	1841.8	1841.8	1860.1	1852.8	1852.8	1847.3	1845.4	1847.3
40°	1737.2	1740.9	1772.0	1762.9	1761.0	1777.6	1772.0	1772.0	1768.4	1764.7	1766.5
42.5°	1654.6	1660.2	1691.3	1684.0	1676.7	1695.0	1689.5	1691.3	1685.8	1682.2	1682.2
45°	1568.4	1573.9	1605.1	1601.4	1590.4	1607.0	1601.4	1605.1	1597.8	1594.1	1594.1
47.5°	1482.2	1489.5	1518.9	1513.4	1502.4	1518.9	1513.4	1517.1	1509.7	1506.1	1506.1
50°	1392.3	1399.7	1430.8	1421.7	1410.7	1427.2	1423.5	1425.3	1419.8	1416.2	1414.3
52.5°	1300.6	1309.8	1339.1	1328.1	1318.9	1333.6	1331.8	1333.6	1326.3	1324.5	1322.6
55°	1208.9	1218.1	1245.6	1232.7	1225.4	1238.2	1234.6	1238.2	1230.9	1229.1	1227.2
57.5°	1113.5	1122.7	1148.3	1135.5	1130.0	1141.0	1139.2	1141.0	1135.5	1133.7	1131.8
60°	1019.9	1027.3	1051.1	1038.3	1032.8	1043.8	1040.1	1045.6	1038.3	1038.3	1036.4
62.5°	920.9	930.1	953.9	939.2	935.6	944.7	941.1	946.6	942.9	939.2	937.4
65°	823.7	829.2	851.2	838.3	832.8	843.8	842.0	845.7	840.2	842.0	840.2
67.5°	726.4	730.1	752.1	737.4	733.8	744.8	746.6	744.8	741.1	742.9	741.1
70°	627.4	631.0	649.4	636.5	634.7	643.9	647.6	645.7	642.0	643.9	645.7
72.5°	532.0	533.8	550.3	539.3	537.5	548.5	548.5	548.5	548.5	548.5	552.2
75°	436.6	438.4	453.1	443.9	442.1	453.1	453.1	453.1	453.1	456.8	454.9
77.5°	344.9	343.0	357.7	352.2	348.5	359.5	359.5	361.4	365.0	368.7	363.2
80°	258.7	256.8	267.8	260.5	260.5	271.5	269.7	271.5	275.2	277.0	278.8
82.5°	181.6	177.9	187.1	185.3	183.4	192.6	194.4	192.6	198.1	200.0	200.0
85°	111.9	111.9	117.4	113.7	113.7	121.1	121.1	122.9	126.6	128.4	128.4
87.5°	53.2	51.4	56.9	55.0	53.2	58.7	58.7	60.5	62.4	64.2	62.4
90°	1.8	1.8	3.7	3.7	3.7	7.3	7.3	7.3	9.2	9.2	7.3
92.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	3.7	3.7	3.7	3.7
95°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	1.8



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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	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8
132.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
135°	0.0	1.8	1.8	1.8	1.8	0.0	1.8	0.0	0.0	0.0	1.8
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
167.5°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8
170°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8
175°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.8	3.7	3.7
177.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8
2.5°	2496.6	2483.8	2478.3	2482.0	2507.7	2482.0	2509.5	2518.7	2485.6	2504.0
5°	2489.3	2476.5	2469.1	2472.8	2498.5	2474.6	2504.0	2515.0	2487.5	2505.8
7.5°	2474.6	2460.0	2456.3	2461.8	2483.8	2463.6	2493.0	2504.0	2476.5	2494.8
10°	2452.6	2439.8	2436.1	2441.6	2461.8	2441.6	2467.3	2476.5	2450.8	2467.3
12.5°	2425.1	2412.3	2408.6	2415.9	2434.3	2415.9	2441.6	2450.8	2425.1	2441.6
15°	2390.2	2377.4	2375.6	2386.6	2403.1	2386.6	2412.3	2419.6	2393.9	2410.4
17.5°	2348.1	2335.2	2337.1	2349.9	2362.7	2348.1	2371.9	2379.2	2355.4	2368.2
20°	2302.2	2287.5	2291.2	2302.2	2313.2	2298.5	2322.4	2329.7	2307.7	2320.5
22.5°	2249.0	2234.3	2238.0	2250.8	2258.2	2245.3	2267.3	2274.7	2256.3	2269.2
25°	2190.3	2177.5	2183.0	2195.8	2201.3	2190.3	2210.5	2216.0	2199.5	2210.5
27.5°	2131.6	2116.9	2124.3	2137.1	2140.8	2129.8	2149.9	2153.6	2137.1	2148.1
30°	2065.6	2050.9	2060.1	2074.7	2074.7	2067.4	2083.9	2087.6	2074.7	2083.9
32.5°	1992.2	1981.2	1992.2	2005.0	2003.2	1997.7	2014.2	2017.9	2006.9	2014.2
35°	1918.8	1909.6	1920.6	1933.5	1931.6	1926.1	1942.7	1944.5	1935.3	1942.7
37.5°	1843.6	1836.3	1847.3	1858.3	1854.6	1850.9	1865.6	1865.6	1860.1	1867.4
40°	1766.5	1759.2	1768.4	1781.2	1773.9	1773.9	1783.1	1786.7	1781.2	1788.6
42.5°	1685.8	1678.5	1689.5	1700.5	1693.2	1691.3	1702.3	1704.2	1700.5	1706.0
45°	1601.4	1594.1	1605.1	1614.3	1607.0	1607.0	1616.1	1616.1	1614.3	1621.6
47.5°	1515.2	1509.7	1518.9	1528.1	1520.7	1526.2	1526.2	1526.2	1529.9	1528.1
50°	1427.2	1421.7	1429.0	1440.0	1430.8	1432.7	1436.4	1436.4	1438.2	1440.0
52.5°	1335.5	1328.1	1335.5	1348.3	1335.5	1341.0	1342.8	1344.6	1350.1	1346.5
55°	1243.7	1236.4	1243.7	1254.7	1241.9	1249.2	1249.2	1251.1	1256.6	1252.9
57.5°	1148.3	1141.0	1152.0	1159.4	1146.5	1153.9	1153.9	1157.5	1161.2	1155.7
60°	1053.0	1047.5	1051.1	1064.0	1051.1	1058.5	1058.5	1058.5	1065.8	1060.3
62.5°	955.7	952.1	955.7	966.7	953.9	961.2	959.4	961.2	968.6	966.7
65°	856.7	853.0	856.7	867.7	854.8	862.2	862.2	864.0	869.5	862.2
67.5°	759.4	753.9	759.4	768.6	757.6	763.1	763.1	763.1	772.3	768.6
70°	660.4	656.7	660.4	669.6	660.4	664.1	664.1	664.1	673.2	675.1
72.5°	563.2	563.2	566.8	574.2	566.8	574.2	568.7	565.0	577.8	579.7
75°	467.8	469.6	471.4	478.8	471.4	478.8	475.1	471.4	482.5	484.3
77.5°	379.7	379.7	381.6	387.1	381.6	387.1	383.4	383.4	390.7	388.9
80°	289.8	289.8	291.7	297.2	291.7	297.2	293.5	293.5	300.8	293.5
82.5°	211.0	211.0	211.0	216.5	212.8	216.5	214.6	211.0	220.1	212.8
85°	135.7	137.6	137.6	139.4	137.6	139.4	139.4	137.6	143.1	137.6
87.5°	69.7	69.7	69.7	71.5	69.7	69.7	71.5	69.7	73.4	71.5
90°	12.8	11.0	11.0	14.7	12.8	12.8	14.7	11.0	12.8	11.0
92.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.3	7.3
95°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.5
97.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	3.7
100°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
102.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
105°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8
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	1.8	0.0	0.0	0.0	1.8





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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	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	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°	1.8	1.8	1.8	1.8	0.0	1.8	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
170°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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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	19.10	20.73	19.46	21.05	21.37	19.23	20.87	19.60	21.19	21.50
	3H	20.92	22.40	21.30	22.73	23.09	21.07	22.55	21.45	22.88	23.24
	4H	21.58	22.98	21.98	23.33	23.71	21.77	23.17	22.17	23.52	23.90
	6H	22.03	23.33	22.45	23.70	24.09	22.33	23.63	22.74	23.99	24.39
	8H	22.17	23.41	22.60	23.80	24.20	22.53	23.76	22.95	24.15	24.56
	12H	22.27	23.46	22.70	23.84	24.27	22.67	23.85	23.10	24.24	24.67
4H	2H	19.73	21.13	20.13	21.48	21.86	19.84	21.24	20.24	21.59	21.96
	3H	21.77	22.95	22.18	23.34	23.75	21.91	23.08	22.32	23.48	23.88
	4H	22.57	23.63	23.00	24.04	24.48	22.75	23.81	23.18	24.23	24.67
	6H	23.14	24.07	23.60	24.51	24.97	23.44	24.37	23.90	24.82	25.27
	8H	23.33	24.20	23.79	24.65	25.11	23.69	24.56	24.15	25.00	25.47
	12H	23.47	24.26	23.96	24.73	25.21	23.88	24.67	24.36	25.14	25.61
8H	4H	22.90	23.77	23.36	24.21	24.68	23.06	23.93	23.52	24.37	24.84
	6H	23.60	24.32	24.09	24.81	25.29	23.89	24.61	24.38	25.10	25.58
	8H	23.86	24.51	24.37	25.02	25.51	24.22	24.87	24.73	25.38	25.86
	12H	24.08	24.65	24.59	25.15	25.71	24.50	25.08	25.01	25.57	26.13
12H	4H	22.94	23.72	23.42	24.20	24.67	23.09	23.88	23.58	24.35	24.82
	6H	23.67	24.32	24.18	24.83	25.32	23.94	24.59	24.45	25.10	25.59
	8H	23.99	24.57	24.50	25.06	25.62	24.34	24.91	24.85	25.41	25.97