

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: P894497

Luminaire Tested: 8TMB-12SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894497
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-12SL-FLT-UNV-L930
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

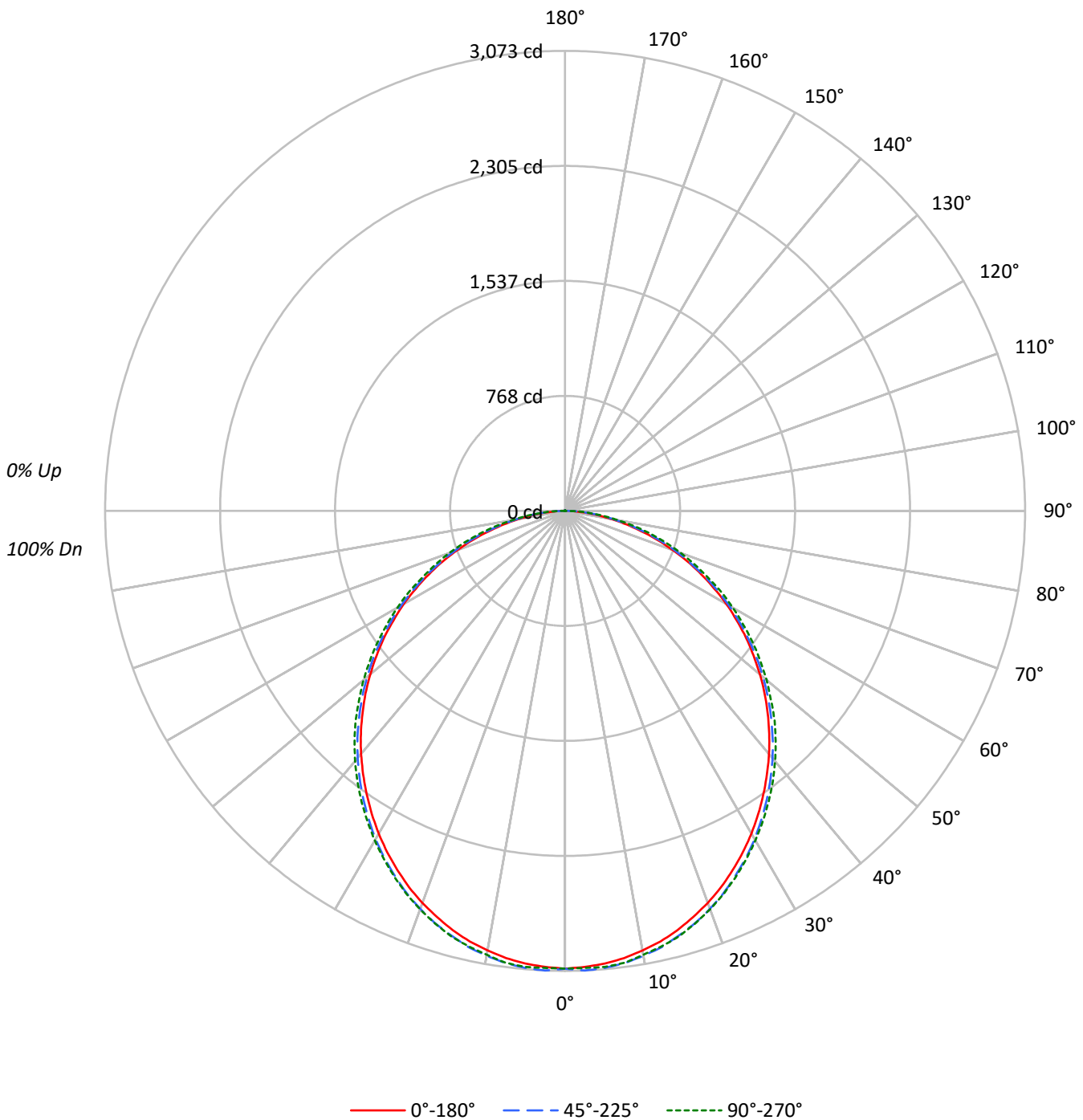
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8487.9 lumens
Efficiency: N/A
Efficacy: 95.6 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): 88.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.53
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83				83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69				69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58				58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50				50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43				43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38				38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30				30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10849	10849	10849
5°	10811	10914	10891
10°	10742	10871	10847
15°	10648	10788	10804
20°	10523	10683	10692
25°	10367	10534	10560
30°	10198	10372	10418
35°	10006	10181	10268
40°	9818	9984	10109
45°	9604	9761	9929
50°	9378	9526	9700
55°	9125	9264	9458
60°	8832	8975	9181
65°	8438	8607	8833
70°	7941	8174	8545
75°	7303	7610	8101
80°	6449	6951	7317
85°	5557	6379	6835

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9929 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.2	3.4
10°-20°	824.1	9.7
20°-30°	1235.0	14.6
30°-40°	1469.5	17.3
40°-50°	1507.8	17.8
50°-60°	1350.8	15.9
60°-70°	1026.4	12.1
70°-80°	596.6	7.0
80°-90°	179.0	2.1
90°-100°	4.2	0.1
100°-110°	0.7	0.0
110°-120°	0.0	0.0
120°-130°	0.3	0.0
130°-140°	0.9	0.0
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2348.3	27.7
0°-40°	3817.8	45.0
0°-60°	6676.4	78.7
0°-90°	8478.4	99.9
90°-120°	5.0	0.1
90°-150°	7.6	0.1
90°-180°	10.0	0.1
0°-180°	8487.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3058	3058	3058	3058	3058	
5°	3035	3087	3064	3049	3058	288
15°	2899	2955	2937	2932	2941	817
25°	2648	2708	2691	2686	2697	1220
35°	2310	2366	2350	2357	2370	1445
45°	1914	1961	1945	1961	1979	1477
55°	1475	1511	1498	1515	1529	1318
65°	1005	1030	1025	1043	1052	995
75°	533	553	555	575	591	565
85°	136	148	157	168	168	149
90°	2	9	9	16	13	9
95°	0	2	2	4	7	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°	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7
2.5°	3048.7	3044.3	3048.7	3046.5	3068.9	3095.8	3091.3	3071.1	3048.7	3055.5	3073.4
5°	3035.3	3033.1	3039.8	3035.3	3057.7	3086.8	3077.8	3059.9	3039.8	3046.5	3064.4
7.5°	3012.9	3012.9	3021.9	3017.4	3037.6	3066.7	3057.7	3042.0	3021.9	3028.6	3046.5
10°	2981.6	2983.8	2995.0	2988.3	3006.2	3037.6	3028.6	3012.9	2995.0	2999.5	3017.4
12.5°	2945.8	2945.8	2959.2	2952.5	2970.4	2999.5	2988.3	2977.1	2959.2	2963.7	2983.8
15°	2898.8	2901.0	2916.7	2910.0	2925.6	2954.7	2943.5	2934.6	2918.9	2921.2	2936.8
17.5°	2845.1	2851.8	2867.4	2860.7	2876.4	2905.5	2892.1	2883.1	2869.7	2871.9	2887.6
20°	2786.9	2793.6	2809.2	2804.8	2816.0	2845.1	2831.6	2827.1	2813.7	2816.0	2829.4
22.5°	2721.9	2728.7	2746.6	2742.1	2753.3	2782.4	2766.7	2764.5	2751.0	2753.3	2764.5
25°	2648.1	2657.0	2677.2	2672.7	2681.6	2708.5	2695.1	2690.6	2681.6	2681.6	2690.6
27.5°	2572.0	2580.9	2603.3	2596.6	2603.3	2632.4	2616.7	2614.5	2605.5	2605.5	2614.5
30°	2489.1	2498.1	2522.7	2516.0	2522.7	2547.3	2531.7	2533.9	2525.0	2525.0	2531.7
32.5°	2401.8	2408.6	2435.4	2430.9	2435.4	2460.0	2444.4	2446.6	2437.7	2439.9	2442.1
35°	2310.1	2316.8	2345.9	2341.4	2343.6	2366.0	2354.8	2354.8	2348.1	2345.9	2350.4
37.5°	2216.1	2222.8	2258.6	2247.4	2247.4	2269.8	2260.8	2260.8	2254.1	2251.9	2254.1
40°	2119.8	2124.3	2162.3	2151.1	2148.9	2169.0	2162.3	2162.3	2157.9	2153.4	2155.6
42.5°	2019.1	2025.8	2063.8	2054.9	2045.9	2068.3	2061.6	2063.8	2057.1	2052.6	2052.6
45°	1913.9	1920.6	1958.6	1954.2	1940.7	1960.9	1954.2	1958.6	1949.7	1945.2	1945.2
47.5°	1808.7	1817.6	1853.4	1846.7	1833.3	1853.4	1846.7	1851.2	1842.2	1837.8	1837.8
50°	1699.0	1707.9	1746.0	1734.8	1721.4	1741.5	1737.0	1739.3	1732.5	1728.1	1725.8
52.5°	1587.1	1598.2	1634.1	1620.6	1609.4	1627.3	1625.1	1627.3	1618.4	1616.2	1613.9
55°	1475.1	1486.3	1519.9	1504.2	1495.3	1510.9	1506.5	1510.9	1502.0	1499.8	1497.5
57.5°	1358.7	1369.9	1401.3	1385.6	1378.9	1392.3	1390.1	1392.3	1385.6	1383.4	1381.1
60°	1244.6	1253.5	1282.6	1267.0	1260.2	1273.7	1269.2	1275.9	1267.0	1267.0	1264.7
62.5°	1123.7	1134.9	1164.0	1146.1	1141.6	1152.8	1148.3	1155.0	1150.6	1146.1	1143.8
65°	1005.1	1011.8	1038.6	1023.0	1016.2	1029.7	1027.4	1031.9	1025.2	1027.4	1025.2
67.5°	886.4	890.9	917.8	899.9	895.4	908.8	911.0	908.8	904.3	906.6	904.3
70°	765.5	770.0	792.4	776.7	774.5	785.7	790.2	787.9	783.5	785.7	787.9
72.5°	649.1	651.4	671.5	658.1	655.9	669.3	669.3	669.3	669.3	669.3	673.8
75°	532.7	535.0	552.9	541.7	539.5	552.9	552.9	552.9	552.9	557.4	555.1
77.5°	420.8	418.6	436.5	429.8	425.3	438.7	438.7	441.0	445.4	449.9	443.2
80°	315.6	313.4	326.8	317.9	317.9	331.3	329.1	331.3	335.8	338.0	340.2
82.5°	221.6	217.1	228.3	226.1	223.8	235.0	237.3	235.0	241.8	244.0	244.0
85°	136.5	136.5	143.3	138.8	138.8	147.7	147.7	150.0	154.5	156.7	156.7
87.5°	64.9	62.7	69.4	67.2	64.9	71.6	71.6	73.9	76.1	78.3	76.1
90°	2.2	2.2	4.5	4.5	4.5	9.0	9.0	9.0	11.2	11.2	9.0
92.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	4.5	4.5	4.5	4.5
95°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2



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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	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2
132.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
135°	0.0	2.2	2.2	2.2	2.2	0.0	2.2	0.0	0.0	0.0	2.2
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
167.5°	4.5	4.5	4.5	4.5	4.5	2.2	2.2	2.2	2.2	2.2	2.2
170°	4.5	4.5	4.5	4.5	4.5	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	4.5	4.5	4.5	4.5	4.5	2.2	2.2	2.2	2.2	2.2	2.2
175°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.2	4.5	4.5
177.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7	3057.7
2.5°	3046.5	3030.8	3024.1	3028.6	3059.9	3028.6	3062.2	3073.4	3033.1	3055.5
5°	3037.6	3021.9	3012.9	3017.4	3048.7	3019.6	3055.5	3068.9	3035.3	3057.7
7.5°	3019.6	3001.7	2997.3	3004.0	3030.8	3006.2	3042.0	3055.5	3021.9	3044.3
10°	2992.8	2977.1	2972.6	2979.4	3004.0	2979.4	3010.7	3021.9	2990.6	3010.7
12.5°	2959.2	2943.5	2939.1	2948.0	2970.4	2948.0	2979.4	2990.6	2959.2	2979.4
15°	2916.7	2901.0	2898.8	2912.2	2932.4	2912.2	2943.5	2952.5	2921.2	2941.3
17.5°	2865.2	2849.5	2851.8	2867.4	2883.1	2865.2	2894.3	2903.3	2874.2	2889.8
20°	2809.2	2791.3	2795.8	2809.2	2822.7	2804.8	2833.9	2842.8	2816.0	2831.6
22.5°	2744.3	2726.4	2730.9	2746.6	2755.5	2739.8	2766.7	2775.7	2753.3	2768.9
25°	2672.7	2657.0	2663.7	2679.4	2686.1	2672.7	2697.3	2704.0	2683.9	2697.3
27.5°	2601.1	2583.2	2592.1	2607.8	2612.3	2598.8	2623.4	2627.9	2607.8	2621.2
30°	2520.5	2502.6	2513.8	2531.7	2531.7	2522.7	2542.9	2547.3	2531.7	2542.9
32.5°	2430.9	2417.5	2430.9	2446.6	2444.4	2437.7	2457.8	2462.3	2448.8	2457.8
35°	2341.4	2330.2	2343.6	2359.3	2357.1	2350.4	2370.5	2372.7	2361.5	2370.5
37.5°	2249.6	2240.7	2254.1	2267.5	2263.1	2258.6	2276.5	2276.5	2269.8	2278.7
40°	2155.6	2146.7	2157.9	2173.5	2164.6	2164.6	2175.8	2180.2	2173.5	2182.5
42.5°	2057.1	2048.2	2061.6	2075.0	2066.1	2063.8	2077.3	2079.5	2075.0	2081.7
45°	1954.2	1945.2	1958.6	1969.8	1960.9	1960.9	1972.1	1972.1	1969.8	1978.8
47.5°	1848.9	1842.2	1853.4	1864.6	1855.7	1862.4	1862.4	1862.4	1866.9	1864.6
50°	1741.5	1734.8	1743.7	1757.2	1746.0	1748.2	1752.7	1752.7	1754.9	1757.2
52.5°	1629.6	1620.6	1629.6	1645.3	1629.6	1636.3	1638.5	1640.8	1647.5	1643.0
55°	1517.7	1508.7	1517.7	1531.1	1515.4	1524.4	1524.4	1526.6	1533.3	1528.9
57.5°	1401.3	1392.3	1405.7	1414.7	1399.0	1408.0	1408.0	1412.5	1416.9	1410.2
60°	1284.9	1278.1	1282.6	1298.3	1282.6	1291.6	1291.6	1291.6	1300.5	1293.8
62.5°	1166.2	1161.7	1166.2	1179.7	1164.0	1172.9	1170.7	1172.9	1181.9	1179.7
65°	1045.3	1040.9	1045.3	1058.8	1043.1	1052.1	1052.1	1054.3	1061.0	1052.1
67.5°	926.7	920.0	926.7	937.9	924.5	931.2	931.2	931.2	942.4	937.9
70°	805.8	801.4	805.8	817.0	805.8	810.3	810.3	810.3	821.5	823.7
72.5°	687.2	687.2	691.7	700.6	691.7	700.6	693.9	689.4	705.1	707.3
75°	570.8	573.0	575.3	584.2	575.3	584.2	579.8	575.3	588.7	590.9
77.5°	463.4	463.4	465.6	472.3	465.6	472.3	467.8	467.8	476.8	474.5
80°	353.7	353.7	355.9	362.6	355.9	362.6	358.1	358.1	367.1	358.1
82.5°	257.4	257.4	257.4	264.1	259.7	264.1	261.9	257.4	268.6	259.7
85°	165.6	167.9	167.9	170.1	167.9	170.1	170.1	167.9	174.6	167.9
87.5°	85.1	85.1	85.1	87.3	85.1	85.1	87.3	85.1	89.5	87.3
90°	15.7	13.4	13.4	17.9	15.7	15.7	17.9	13.4	15.7	13.4
92.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	9.0	9.0
95°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.7
97.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.5	4.5
100°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
102.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
105°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2
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	2.2	0.0	0.0	0.0	2.2



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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	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	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°	2.2	2.2	2.2	2.2	0.0	2.2	0.0	0.0	0.0	0.0
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
170°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
175°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P894497
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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	19.79	21.43	20.16	21.74	22.06	19.93	21.56	20.29	21.88	22.20
	3H	21.61	23.09	21.99	23.42	23.79	21.76	23.24	22.14	23.57	23.93
	4H	22.27	23.67	22.67	24.02	24.40	22.47	23.86	22.87	24.21	24.59
	6H	22.73	24.02	23.14	24.39	24.78	23.02	24.32	23.44	24.68	25.08
	8H	22.87	24.10	23.29	24.49	24.90	23.22	24.45	23.64	24.85	25.25
	12H	22.96	24.15	23.39	24.53	24.96	23.36	24.55	23.79	24.93	25.36
4H	2H	20.42	21.82	20.82	22.17	22.55	20.53	21.93	20.93	22.28	22.66
	3H	22.46	23.64	22.88	24.04	24.44	22.60	23.77	23.01	24.17	24.57
	4H	23.26	24.32	23.69	24.73	25.17	23.44	24.50	23.88	24.92	25.36
	6H	23.83	24.76	24.29	25.20	25.66	24.14	25.06	24.59	25.51	25.96
	8H	24.02	24.89	24.49	25.34	25.80	24.38	25.25	24.84	25.69	26.16
	12H	24.17	24.95	24.65	25.43	25.90	24.57	25.36	25.06	25.83	26.31
8H	4H	23.59	24.46	24.05	24.90	25.37	23.75	24.62	24.21	25.07	25.53
	6H	24.29	25.01	24.78	25.50	25.98	24.58	25.30	25.07	25.79	26.27
	8H	24.55	25.20	25.06	25.71	26.20	24.91	25.56	25.42	26.07	26.56
	12H	24.77	25.34	25.28	25.84	26.40	25.19	25.77	25.70	26.26	26.82
12H	4H	23.63	24.41	24.11	24.89	25.36	23.79	24.57	24.27	25.04	25.52
	6H	24.36	25.01	24.87	25.52	26.01	24.63	25.29	25.14	25.79	26.28
	8H	24.69	25.26	25.19	25.75	26.32	25.03	25.60	25.54	26.10	26.66