

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: P895396

Luminaire Tested: 8TMB-SC3-FLT-UNV-CC93-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895396
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-SC3-FLT-UNV-CC93-HI-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

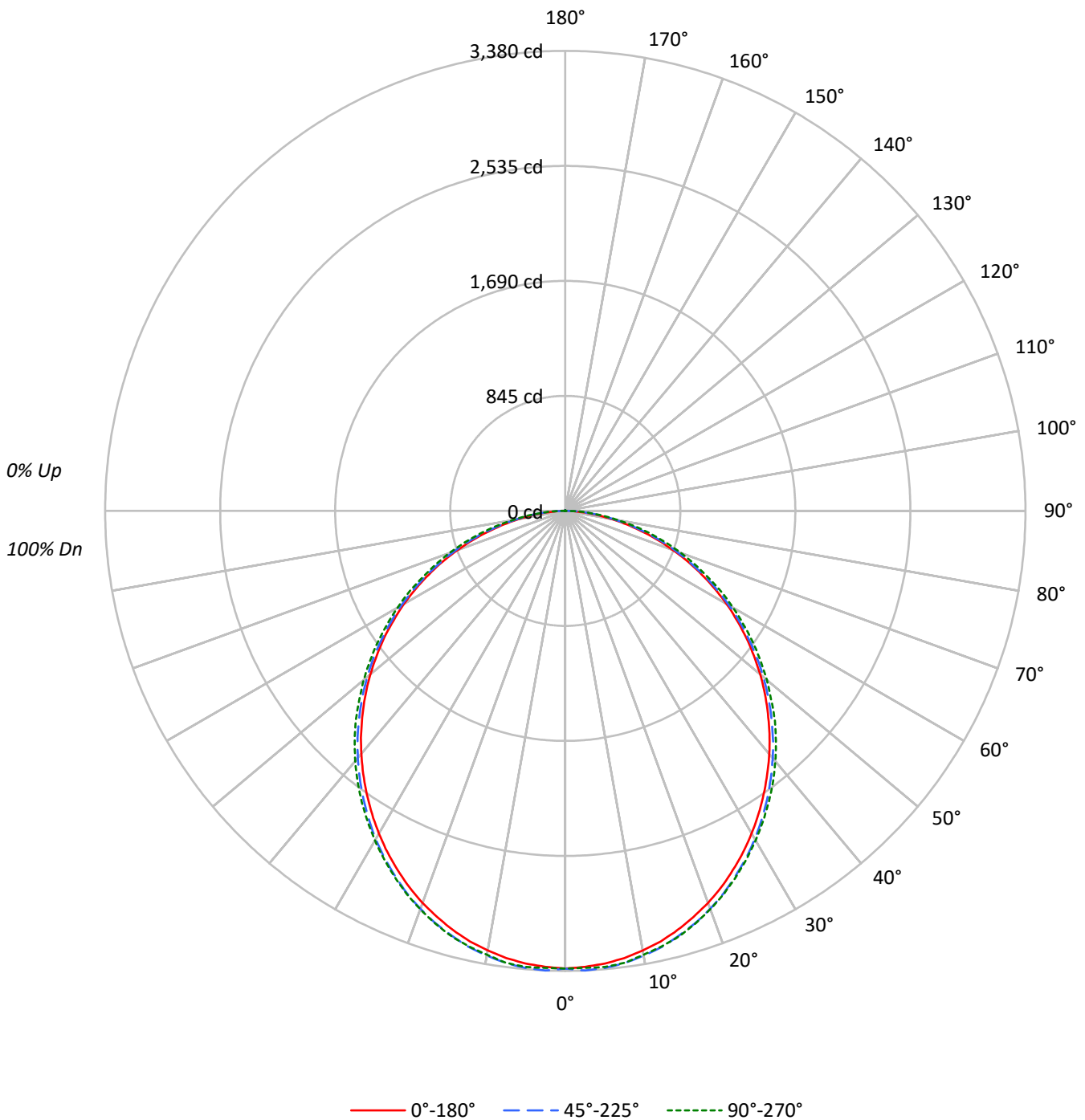
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9335.1 lumens
Efficiency: N/A
Efficacy: 92.1 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): 101.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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





TEST NUMBER: P895396

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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	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°	11932	11932	11932
5°	11890	12004	11977
10°	11814	11956	11929
15°	11710	11864	11882
20°	11573	11749	11759
25°	11401	11585	11614
30°	11216	11407	11458
35°	11005	11196	11293
40°	10798	10981	11118
45°	10562	10735	10920
50°	10314	10477	10667
55°	10036	10188	10401
60°	9713	9870	10097
65°	9280	9466	9714
70°	8734	8990	9398
75°	8032	8369	8909
80°	7092	7646	8049
85°	6115	7014	7515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10920 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.0	3.4
10°-20°	906.4	9.7
20°-30°	1358.2	14.5
30°-40°	1616.1	17.3
40°-50°	1658.3	17.8
50°-60°	1485.6	15.9
60°-70°	1128.8	12.1
70°-80°	656.1	7.0
80°-90°	196.9	2.1
90°-100°	4.7	0.1
100°-110°	0.8	0.0
110°-120°	0.0	0.0
120°-130°	0.4	0.0
130°-140°	1.0	0.0
140°-150°	1.5	0.0
150°-160°	1.2	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	2582.6	27.7
0°-40°	4198.7	45.0
0°-60°	7342.7	78.7
0°-90°	9324.4	99.9
90°-120°	5.6	0.1
90°-150°	8.5	0.1
90°-180°	11.0	0.1
0°-180°	9335.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3363	3363	3363	3363	3363	
5°	3338	3395	3370	3353	3363	317
15°	3188	3250	3230	3225	3235	899
25°	2912	2979	2959	2954	2966	1342
35°	2541	2602	2585	2592	2607	1590
45°	2105	2156	2139	2156	2176	1624
55°	1622	1662	1647	1667	1681	1449
65°	1105	1132	1128	1147	1157	1094
75°	586	608	610	633	650	621
85°	150	162	172	185	185	164
90°	2	10	10	17	15	10
95°	0	2	2	5	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	2
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	5	5	5	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P895396
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8
2.5°	3353.0	3348.1	3353.0	3350.5	3375.1	3404.7	3399.8	3377.6	3353.0	3360.4	3380.1
5°	3338.2	3335.7	3343.1	3338.2	3362.8	3394.8	3385.0	3365.3	3343.1	3350.5	3370.2
7.5°	3313.6	3313.6	3323.4	3318.5	3340.7	3372.7	3362.8	3345.6	3323.4	3330.8	3350.5
10°	3279.1	3281.6	3293.9	3286.5	3306.2	3340.7	3330.8	3313.6	3293.9	3298.8	3318.5
12.5°	3239.7	3239.7	3254.5	3247.1	3266.8	3298.8	3286.5	3274.2	3254.5	3259.4	3281.6
15°	3188.0	3190.5	3207.7	3200.3	3217.6	3249.6	3237.3	3227.4	3210.2	3212.7	3229.9
17.5°	3129.0	3136.3	3153.6	3146.2	3163.4	3195.4	3180.7	3170.8	3156.0	3158.5	3175.7
20°	3064.9	3072.3	3089.6	3084.6	3097.0	3129.0	3114.2	3109.3	3094.5	3097.0	3111.7
22.5°	2993.6	3000.9	3020.6	3015.7	3028.0	3060.0	3042.8	3040.3	3025.6	3028.0	3040.3
25°	2912.3	2922.2	2944.3	2939.4	2949.2	2978.8	2964.0	2959.1	2949.2	2949.2	2959.1
27.5°	2828.6	2838.5	2863.1	2855.7	2863.1	2895.1	2877.8	2875.4	2865.5	2865.5	2875.4
30°	2737.5	2747.4	2774.5	2767.1	2774.5	2801.5	2784.3	2786.8	2776.9	2776.9	2784.3
32.5°	2641.5	2648.9	2678.4	2673.5	2678.4	2705.5	2688.3	2690.8	2680.9	2683.4	2685.8
35°	2540.6	2548.0	2580.0	2575.0	2577.5	2602.1	2589.8	2589.8	2582.4	2580.0	2584.9
37.5°	2437.2	2444.6	2484.0	2471.7	2471.7	2496.3	2486.4	2486.4	2479.0	2476.6	2479.0
40°	2331.3	2336.3	2378.1	2365.8	2363.3	2385.5	2378.1	2378.1	2373.2	2368.3	2370.7
42.5°	2220.5	2227.9	2269.8	2259.9	2250.1	2274.7	2267.3	2269.8	2262.4	2257.5	2257.5
45°	2104.8	2112.2	2154.1	2149.2	2134.4	2156.5	2149.2	2154.1	2144.2	2139.3	2139.3
47.5°	1989.1	1999.0	2038.4	2031.0	2016.2	2038.4	2031.0	2035.9	2026.1	2021.1	2021.1
50°	1868.5	1878.4	1920.2	1907.9	1893.1	1915.3	1910.4	1912.8	1905.4	1900.5	1898.1
52.5°	1745.4	1757.7	1797.1	1782.3	1770.0	1789.7	1787.3	1789.7	1779.9	1777.4	1775.0
55°	1622.3	1634.6	1671.6	1654.3	1644.5	1661.7	1656.8	1661.7	1651.9	1649.4	1646.9
57.5°	1494.3	1506.6	1541.1	1523.9	1516.5	1531.2	1528.8	1531.2	1523.9	1521.4	1518.9
60°	1368.8	1378.6	1410.6	1393.4	1386.0	1400.8	1395.8	1403.2	1393.4	1393.4	1390.9
62.5°	1235.8	1248.1	1280.1	1260.4	1255.5	1267.8	1262.9	1270.3	1265.4	1260.4	1258.0
65°	1105.4	1112.7	1142.3	1125.0	1117.7	1132.4	1130.0	1134.9	1127.5	1130.0	1127.5
67.5°	974.9	979.8	1009.3	989.6	984.7	999.5	1002.0	999.5	994.6	997.0	994.6
70°	841.9	846.9	871.5	854.2	851.8	864.1	869.0	866.6	861.6	864.1	866.6
72.5°	713.9	716.4	738.5	723.8	721.3	736.1	736.1	736.1	736.1	736.1	741.0
75°	585.9	588.4	608.1	595.8	593.3	608.1	608.1	608.1	608.1	613.0	610.5
77.5°	462.8	460.4	480.1	472.7	467.7	482.5	482.5	485.0	489.9	494.8	487.4
80°	347.1	344.7	359.4	349.6	349.6	364.3	361.9	364.3	369.3	371.7	374.2
82.5°	243.7	238.8	251.1	248.6	246.2	258.5	261.0	258.5	265.9	268.3	268.3
85°	150.2	150.2	157.6	152.6	152.6	162.5	162.5	164.9	169.9	172.3	172.3
87.5°	71.4	68.9	76.3	73.9	71.4	78.8	78.8	81.2	83.7	86.2	83.7
90°	2.5	2.5	4.9	4.9	4.9	9.8	9.8	9.8	12.3	12.3	9.8
92.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	4.9	4.9	4.9	4.9
95°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5



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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	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5
132.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
135°	0.0	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	0.0	2.5
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167.5°	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
170°	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	4.9	4.9	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
175°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.5	4.9	4.9
177.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8	3362.8
2.5°	3350.5	3333.3	3325.9	3330.8	3365.3	3330.8	3367.7	3380.1	3335.7	3360.4
5°	3340.7	3323.4	3313.6	3318.5	3353.0	3321.0	3360.4	3375.1	3338.2	3362.8
7.5°	3321.0	3301.3	3296.4	3303.7	3333.3	3306.2	3345.6	3360.4	3323.4	3348.1
10°	3291.4	3274.2	3269.3	3276.7	3303.7	3276.7	3311.1	3323.4	3289.0	3311.1
12.5°	3254.5	3237.3	3232.3	3242.2	3266.8	3242.2	3276.7	3289.0	3254.5	3276.7
15°	3207.7	3190.5	3188.0	3202.8	3225.0	3202.8	3237.3	3247.1	3212.7	3234.8
17.5°	3151.1	3133.9	3136.3	3153.6	3170.8	3151.1	3183.1	3193.0	3161.0	3178.2
20°	3089.6	3069.9	3074.8	3089.6	3104.3	3084.6	3116.6	3126.5	3097.0	3114.2
22.5°	3018.2	2998.5	3003.4	3020.6	3030.5	3013.2	3042.8	3052.6	3028.0	3045.3
25°	2939.4	2922.2	2929.5	2946.8	2954.2	2939.4	2966.5	2973.9	2951.7	2966.5
27.5°	2860.6	2840.9	2850.8	2868.0	2872.9	2858.2	2885.2	2890.2	2868.0	2882.8
30°	2772.0	2752.3	2764.6	2784.3	2784.3	2774.5	2796.6	2801.5	2784.3	2796.6
32.5°	2673.5	2658.7	2673.5	2690.8	2688.3	2680.9	2703.1	2708.0	2693.2	2703.1
35°	2575.0	2562.7	2577.5	2594.7	2592.3	2584.9	2607.1	2609.5	2597.2	2607.1
37.5°	2474.1	2464.3	2479.0	2493.8	2488.9	2484.0	2503.7	2503.7	2496.3	2506.1
40°	2370.7	2360.9	2373.2	2390.4	2380.6	2380.6	2392.9	2397.8	2390.4	2400.3
42.5°	2262.4	2252.6	2267.3	2282.1	2272.2	2269.8	2284.6	2287.0	2282.1	2289.5
45°	2149.2	2139.3	2154.1	2166.4	2156.5	2156.5	2168.8	2168.8	2166.4	2176.2
47.5°	2033.5	2026.1	2038.4	2050.7	2040.8	2048.2	2048.2	2048.2	2053.1	2050.7
50°	1915.3	1907.9	1917.7	1932.5	1920.2	1922.7	1927.6	1927.6	1930.1	1932.5
52.5°	1792.2	1782.3	1792.2	1809.4	1792.2	1799.6	1802.0	1804.5	1811.9	1807.0
55°	1669.1	1659.3	1669.1	1683.9	1666.6	1676.5	1676.5	1679.0	1686.3	1681.4
57.5°	1541.1	1531.2	1546.0	1555.9	1538.6	1548.5	1548.5	1553.4	1558.3	1550.9
60°	1413.1	1405.7	1410.6	1427.8	1410.6	1420.5	1420.5	1420.5	1430.3	1422.9
62.5°	1282.6	1277.7	1282.6	1297.4	1280.1	1290.0	1287.5	1290.0	1299.8	1297.4
65°	1149.7	1144.7	1149.7	1164.4	1147.2	1157.0	1157.0	1159.5	1166.9	1157.0
67.5°	1019.2	1011.8	1019.2	1031.5	1016.7	1024.1	1024.1	1024.1	1036.4	1031.5
70°	886.2	881.3	886.2	898.6	886.2	891.2	891.2	891.2	903.5	905.9
72.5°	755.8	755.8	760.7	770.5	760.7	770.5	763.2	758.2	775.5	777.9
75°	627.8	630.2	632.7	642.5	632.7	642.5	637.6	632.7	647.5	649.9
77.5°	509.6	509.6	512.1	519.4	512.1	519.4	514.5	514.5	524.4	521.9
80°	389.0	389.0	391.4	398.8	391.4	398.8	393.9	393.9	403.7	393.9
82.5°	283.1	283.1	283.1	290.5	285.6	290.5	288.0	283.1	295.4	285.6
85°	182.2	184.6	184.6	187.1	184.6	187.1	187.1	184.6	192.0	184.6
87.5°	93.5	93.5	93.5	96.0	93.5	93.5	96.0	93.5	98.5	96.0
90°	17.2	14.8	14.8	19.7	17.2	17.2	19.7	14.8	17.2	14.8
92.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	9.8	9.8
95°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.4
97.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9
100°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
105°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5
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	2.5	0.0	0.0	0.0	2.5



TEST NUMBER: P895396
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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	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	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°	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
170°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P895396
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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	20.12	21.76	20.49	22.07	22.39	20.26	21.89	20.62	22.21	22.53
	3H	21.94	23.42	22.32	23.75	24.12	22.09	23.57	22.47	23.90	24.26
	4H	22.60	24.00	23.00	24.35	24.73	22.80	24.19	23.20	24.54	24.92
	6H	23.06	24.35	23.47	24.72	25.11	23.35	24.65	23.77	25.01	25.41
	8H	23.20	24.43	23.62	24.82	25.23	23.55	24.79	23.97	25.18	25.58
	12H	23.29	24.48	23.72	24.86	25.29	23.69	24.88	24.12	25.26	25.69
4H	2H	20.75	22.15	21.15	22.50	22.88	20.86	22.26	21.26	22.61	22.99
	3H	22.79	23.97	23.21	24.37	24.77	22.93	24.10	23.34	24.50	24.90
	4H	23.59	24.65	24.02	25.06	25.50	23.77	24.84	24.21	25.25	25.69
	6H	24.16	25.09	24.62	25.54	25.99	24.47	25.39	24.92	25.84	26.29
	8H	24.35	25.22	24.82	25.67	26.13	24.71	25.58	25.17	26.03	26.49
	12H	24.50	25.28	24.98	25.76	26.23	24.91	25.69	25.39	26.16	26.64
8H	4H	23.92	24.79	24.38	25.23	25.70	24.08	24.95	24.54	25.40	25.86
	6H	24.62	25.34	25.12	25.83	26.31	24.91	25.63	25.40	26.12	26.60
	8H	24.88	25.53	25.39	26.04	26.53	25.24	25.89	25.75	26.40	26.89
	12H	25.10	25.68	25.61	26.17	26.73	25.52	26.10	26.03	26.59	27.15
12H	4H	23.96	24.74	24.44	25.22	25.69	24.12	24.90	24.60	25.37	25.85
	6H	24.69	25.34	25.20	25.85	26.34	24.97	25.62	25.48	26.12	26.61
	8H	25.02	25.59	25.52	26.08	26.65	25.36	25.94	25.87	26.43	26.99