

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: P895386

Luminaire Tested: 8TMB-SC3-FLT-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895386
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-CC83-HI-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

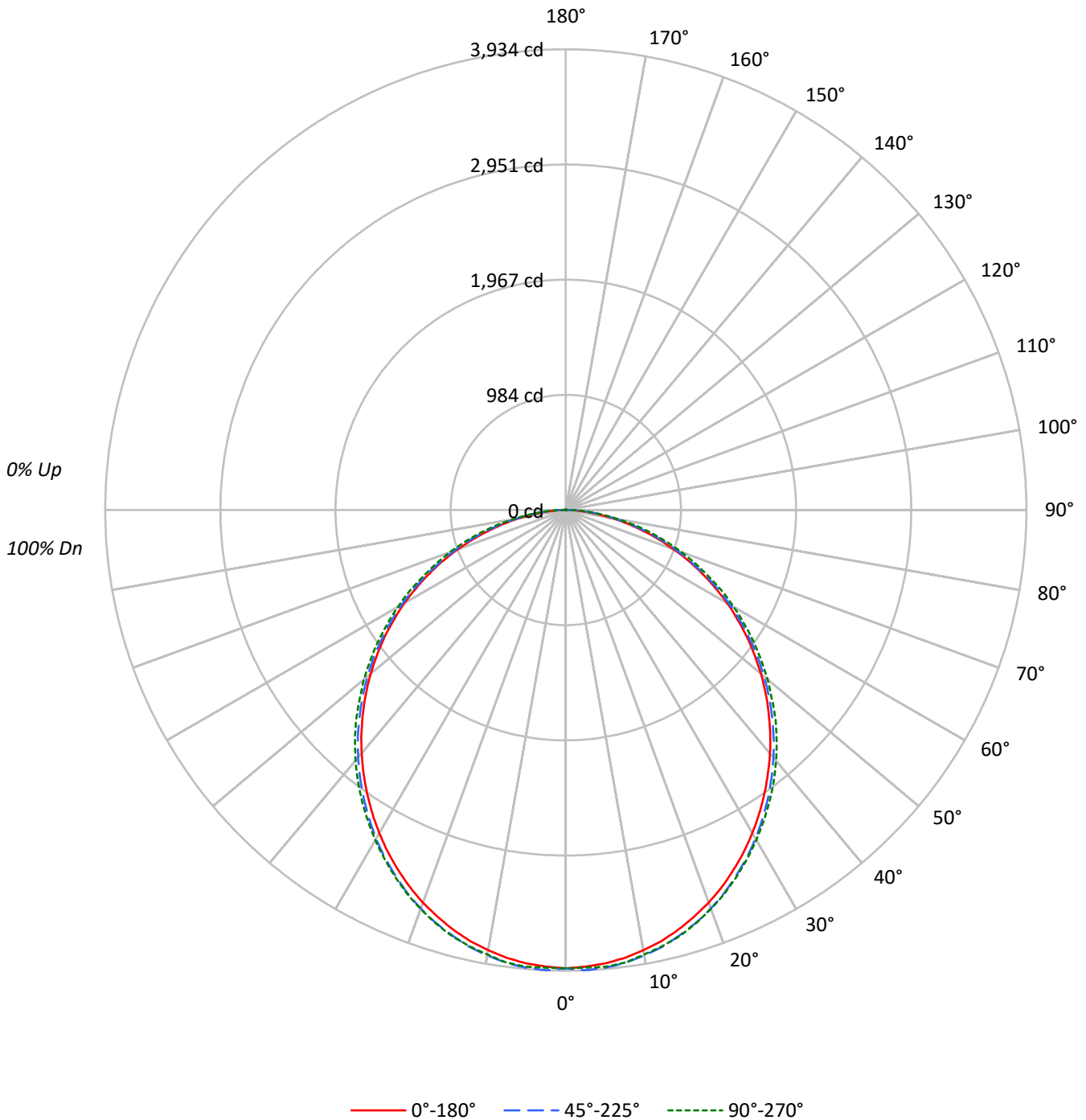
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10865.1 lumens
Efficiency: N/A
Efficacy: 107.2 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





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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°	13887	13887	13887
5°	13838	13971	13940
10°	13751	13916	13885
15°	13630	13809	13830
20°	13470	13675	13686
25°	13270	13483	13517
30°	13054	13277	13336
35°	12808	13032	13143
40°	12568	12780	12940
45°	12293	12494	12710
50°	12005	12194	12416
55°	11680	11858	12106
60°	11305	11488	11752
65°	10801	11018	11306
70°	10166	10463	10938
75°	9348	9742	10369
80°	8255	8899	9366
85°	7116	8166	8749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12710 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.1	3.4
10°-20°	1054.9	9.7
20°-30°	1580.8	14.5
30°-40°	1881.0	17.3
40°-50°	1930.1	17.8
50°-60°	1729.1	15.9
60°-70°	1313.8	12.1
70°-80°	763.6	7.0
80°-90°	229.1	2.1
90°-100°	5.5	0.1
100°-110°	1.0	0.0
110°-120°	0.0	0.0
120°-130°	0.4	0.0
130°-140°	1.2	0.0
140°-150°	1.8	0.0
150°-160°	1.3	0.0
160°-170°	0.9	0.0
170°-180°	0.4	0.0
0°-30°	3005.9	27.7
0°-40°	4886.9	45.0
0°-60°	8546.1	78.7
0°-90°	10852.7	99.9
90°-120°	6.5	0.1
90°-150°	9.8	0.1
90°-180°	12.0	0.1
0°-180°	10865.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3914	3914	3914	3914	3914	
5°	3885	3951	3923	3902	3914	369
15°	3711	3782	3759	3754	3765	1046
25°	3390	3467	3444	3438	3453	1562
35°	2957	3029	3009	3017	3034	1850
45°	2450	2510	2490	2510	2533	1890
55°	1888	1934	1917	1940	1957	1687
65°	1286	1318	1312	1335	1347	1273
75°	682	708	711	736	756	723
85°	175	189	201	215	215	191
90°	3	12	12	20	17	12
95°	0	3	3	6	9	0
105°	0	0	0	3	3	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	2
135°	0	0	3	0	0	1
145°	3	3	3	3	3	2
155°	3	3	3	3	3	1
165°	3	3	3	3	3	1
175°	6	6	6	3	3	1
180°	3	3	3	3	3	



TEST NUMBER: P895386
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0
2.5°	3902.5	3896.8	3902.5	3899.7	3928.3	3962.7	3957.0	3931.2	3902.5	3911.1	3934.0
5°	3885.3	3882.5	3891.1	3885.3	3914.0	3951.2	3939.8	3916.9	3891.1	3899.7	3922.6
7.5°	3856.7	3856.7	3868.1	3862.4	3888.2	3925.5	3914.0	3893.9	3868.1	3876.7	3899.7
10°	3816.6	3819.4	3833.8	3825.2	3848.1	3888.2	3876.7	3856.7	3833.8	3839.5	3862.4
12.5°	3770.7	3770.7	3787.9	3779.3	3802.2	3839.5	3825.2	3810.8	3787.9	3793.6	3819.4
15°	3710.6	3713.4	3733.5	3724.9	3744.9	3782.2	3767.9	3756.4	3736.3	3739.2	3759.3
17.5°	3641.8	3650.4	3670.4	3661.8	3681.9	3719.1	3702.0	3690.5	3673.3	3676.2	3696.2
20°	3567.3	3575.9	3595.9	3590.2	3604.5	3641.8	3624.6	3618.9	3601.7	3604.5	3621.7
22.5°	3484.2	3492.8	3515.7	3510.0	3524.3	3561.6	3541.5	3538.6	3521.4	3524.3	3538.6
25°	3389.6	3401.1	3426.9	3421.2	3432.6	3467.0	3449.8	3444.1	3432.6	3432.6	3444.1
27.5°	3292.2	3303.7	3332.3	3323.7	3332.3	3369.6	3349.5	3346.7	3335.2	3335.2	3346.7
30°	3186.2	3197.7	3229.2	3220.6	3229.2	3260.7	3240.6	3243.5	3232.1	3232.1	3240.6
32.5°	3074.5	3083.1	3117.4	3111.7	3117.4	3149.0	3128.9	3131.8	3120.3	3123.2	3126.0
35°	2957.0	2965.6	3002.8	2997.1	3000.0	3028.6	3014.3	3014.3	3005.7	3002.8	3008.6
37.5°	2836.6	2845.2	2891.1	2876.8	2876.8	2905.4	2893.9	2893.9	2885.3	2882.5	2885.3
40°	2713.4	2719.2	2767.9	2753.5	2750.7	2776.5	2767.9	2767.9	2762.1	2756.4	2759.3
42.5°	2584.5	2593.1	2641.8	2630.3	2618.9	2647.5	2638.9	2641.8	2633.2	2627.5	2627.5
45°	2449.8	2458.4	2507.1	2501.4	2484.2	2510.0	2501.4	2507.1	2495.7	2489.9	2489.9
47.5°	2315.2	2326.6	2372.5	2363.9	2346.7	2372.5	2363.9	2369.6	2358.1	2352.4	2352.4
50°	2174.8	2186.2	2234.9	2220.6	2203.4	2229.2	2223.5	2226.3	2217.7	2212.0	2209.1
52.5°	2031.5	2045.8	2091.7	2074.5	2060.1	2083.1	2080.2	2083.1	2071.6	2068.7	2065.9
55°	1888.2	1902.6	1945.5	1925.5	1914.0	1934.1	1928.3	1934.1	1922.6	1919.7	1916.9
57.5°	1739.2	1753.6	1793.7	1773.6	1765.0	1782.2	1779.3	1782.2	1773.6	1770.8	1767.9
60°	1593.1	1604.6	1641.8	1621.8	1613.2	1630.4	1624.6	1633.2	1621.8	1621.8	1618.9
62.5°	1438.4	1452.7	1490.0	1467.0	1461.3	1475.6	1469.9	1478.5	1472.8	1467.0	1464.2
65°	1286.5	1295.1	1329.5	1309.4	1300.8	1318.0	1315.2	1320.9	1312.3	1315.2	1312.3
67.5°	1134.7	1140.4	1174.8	1151.8	1146.1	1163.3	1166.2	1163.3	1157.6	1160.4	1157.6
70°	979.9	985.7	1014.3	994.3	991.4	1005.7	1011.4	1008.6	1002.9	1005.7	1008.6
72.5°	830.9	833.8	859.6	842.4	839.5	856.7	856.7	856.7	856.7	856.7	862.5
75°	681.9	684.8	707.7	693.4	690.5	707.7	707.7	707.7	707.7	713.5	710.6
77.5°	538.7	535.8	558.7	550.1	544.4	561.6	561.6	564.5	570.2	575.9	567.3
80°	404.0	401.1	418.3	406.9	406.9	424.1	421.2	424.1	429.8	432.7	435.5
82.5°	283.7	277.9	292.3	289.4	286.5	300.9	303.7	300.9	309.5	312.3	312.3
85°	174.8	174.8	183.4	177.6	177.6	189.1	189.1	192.0	197.7	200.6	200.6
87.5°	83.1	80.2	88.8	86.0	83.1	91.7	91.7	94.6	97.4	100.3	97.4
90°	2.9	2.9	5.7	5.7	5.7	11.5	11.5	11.5	14.3	14.3	11.5
92.5°	0.0	0.0	2.9	2.9	2.9	2.9	2.9	5.7	5.7	5.7	5.7
95°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9



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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	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9
132.5°	0.0	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	0.0	2.9	2.9	2.9	2.9	0.0	2.9	0.0	0.0	0.0	2.9
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
167.5°	5.7	5.7	5.7	5.7	5.7	2.9	2.9	2.9	2.9	2.9	2.9
170°	5.7	5.7	5.7	5.7	5.7	2.9	2.9	2.9	2.9	2.9	2.9
172.5°	5.7	5.7	5.7	5.7	5.7	2.9	2.9	2.9	2.9	2.9	2.9
175°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	2.9	5.7	5.7
177.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0	3914.0
2.5°	3899.7	3879.6	3871.0	3876.7	3916.9	3876.7	3919.7	3934.0	3882.5	3911.1
5°	3888.2	3868.1	3856.7	3862.4	3902.5	3865.3	3911.1	3928.3	3885.3	3914.0
7.5°	3865.3	3842.4	3836.6	3845.2	3879.6	3848.1	3893.9	3911.1	3868.1	3896.8
10°	3830.9	3810.8	3805.1	3813.7	3845.2	3813.7	3853.8	3868.1	3828.0	3853.8
12.5°	3787.9	3767.9	3762.1	3773.6	3802.2	3773.6	3813.7	3828.0	3787.9	3813.7
15°	3733.5	3713.4	3710.6	3727.7	3753.5	3727.7	3767.9	3779.3	3739.2	3765.0
17.5°	3667.6	3647.5	3650.4	3670.4	3690.5	3667.6	3704.8	3716.3	3679.0	3699.1
20°	3595.9	3573.0	3578.8	3595.9	3613.1	3590.2	3627.5	3638.9	3604.5	3624.6
22.5°	3512.8	3489.9	3495.7	3515.7	3527.2	3507.1	3541.5	3553.0	3524.3	3544.4
25°	3421.2	3401.1	3409.7	3429.8	3438.4	3421.2	3452.7	3461.3	3435.5	3452.7
27.5°	3329.5	3306.5	3318.0	3338.1	3343.8	3326.6	3358.1	3363.9	3338.1	3355.3
30°	3226.3	3203.4	3217.7	3240.6	3240.6	3229.2	3255.0	3260.7	3240.6	3255.0
32.5°	3111.7	3094.5	3111.7	3131.8	3128.9	3120.3	3146.1	3151.8	3134.6	3146.1
35°	2997.1	2982.8	3000.0	3020.0	3017.2	3008.6	3034.3	3037.2	3022.9	3034.3
37.5°	2879.6	2868.2	2885.3	2902.5	2896.8	2891.1	2914.0	2914.0	2905.4	2916.9
40°	2759.3	2747.8	2762.1	2782.2	2770.7	2770.7	2785.1	2790.8	2782.2	2793.7
42.5°	2633.2	2621.7	2638.9	2656.1	2644.7	2641.8	2659.0	2661.9	2656.1	2664.7
45°	2501.4	2489.9	2507.1	2521.5	2510.0	2510.0	2524.3	2524.3	2521.5	2532.9
47.5°	2366.7	2358.1	2372.5	2386.8	2375.3	2383.9	2383.9	2383.9	2389.7	2386.8
50°	2229.2	2220.6	2232.1	2249.3	2234.9	2237.8	2243.5	2243.5	2246.4	2249.3
52.5°	2085.9	2074.5	2085.9	2106.0	2085.9	2094.5	2097.4	2100.3	2108.9	2103.1
55°	1942.7	1931.2	1942.7	1959.9	1939.8	1951.3	1951.3	1954.1	1962.7	1957.0
57.5°	1793.7	1782.2	1799.4	1810.9	1790.8	1802.3	1802.3	1808.0	1813.7	1805.1
60°	1644.7	1636.1	1641.8	1661.9	1641.8	1653.3	1653.3	1653.3	1664.7	1656.1
62.5°	1492.8	1487.1	1492.8	1510.0	1490.0	1501.4	1498.5	1501.4	1512.9	1510.0
65°	1338.1	1332.4	1338.1	1355.3	1335.2	1346.7	1346.7	1349.6	1358.1	1346.7
67.5°	1186.2	1177.6	1186.2	1200.6	1183.4	1192.0	1192.0	1192.0	1206.3	1200.6
70°	1031.5	1025.8	1031.5	1045.8	1031.5	1037.2	1037.2	1037.2	1051.6	1054.4
72.5°	879.6	879.6	885.4	896.8	885.4	896.8	888.2	882.5	902.6	905.4
75°	730.6	733.5	736.4	747.8	736.4	747.8	742.1	736.4	753.6	756.4
77.5°	593.1	593.1	596.0	604.6	596.0	604.6	598.8	598.8	610.3	607.4
80°	452.7	452.7	455.6	464.2	455.6	464.2	458.4	458.4	469.9	458.4
82.5°	329.5	329.5	329.5	338.1	332.4	338.1	335.2	329.5	343.8	332.4
85°	212.0	214.9	214.9	217.8	214.9	217.8	217.8	214.9	223.5	214.9
87.5°	108.9	108.9	108.9	111.7	108.9	108.9	111.7	108.9	114.6	111.7
90°	20.1	17.2	17.2	22.9	20.1	20.1	22.9	17.2	20.1	17.2
92.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5	11.5
95°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	8.6
97.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7	5.7
100°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
105°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9
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	2.9	0.0	0.0	0.0	2.9



TEST NUMBER: P895386
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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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	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°	2.9	2.9	2.9	2.9	0.0	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
170°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
172.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
175°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P895386
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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	20.65	22.28	21.01	22.60	22.92	20.78	22.42	21.15	22.74	23.05
	3H	22.47	23.95	22.85	24.28	24.64	22.62	24.10	23.00	24.43	24.79
	4H	23.13	24.53	23.53	24.88	25.26	23.32	24.72	23.72	25.07	25.45
	6H	23.58	24.88	24.00	25.25	25.64	23.88	25.18	24.29	25.54	25.94
	8H	23.72	24.96	24.15	25.35	25.75	24.08	25.31	24.50	25.70	26.10
	12H	23.82	25.00	24.25	25.39	25.82	24.22	25.40	24.65	25.79	26.22
4H	2H	21.28	22.68	21.68	23.03	23.41	21.39	22.79	21.79	23.14	23.51
	3H	23.32	24.49	23.73	24.89	25.30	23.46	24.63	23.87	25.03	25.43
	4H	24.12	25.18	24.55	25.59	26.03	24.30	25.36	24.73	25.78	26.22
	6H	24.69	25.62	25.15	26.06	26.52	24.99	25.92	25.45	26.36	26.82
	8H	24.88	25.75	25.34	26.19	26.66	25.24	26.11	25.70	26.55	27.02
	12H	25.02	25.81	25.51	26.28	26.75	25.43	26.21	25.91	26.69	27.16
8H	4H	24.44	25.31	24.91	25.76	26.23	24.61	25.48	25.07	25.92	26.39
	6H	25.15	25.87	25.64	26.36	26.84	25.44	26.16	25.93	26.65	27.13
	8H	25.41	26.06	25.92	26.57	27.06	25.77	26.42	26.28	26.92	27.41
	12H	25.63	26.20	26.13	26.69	27.26	26.05	26.63	26.56	27.12	27.68
12H	4H	24.49	25.27	24.97	25.75	26.22	24.64	25.42	25.12	25.90	26.37
	6H	25.22	25.87	25.73	26.38	26.87	25.49	26.14	26.00	26.65	27.14
	8H	25.54	26.12	26.05	26.61	27.17	25.89	26.46	26.39	26.95	27.52