

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: P895495

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-RND-UNV-CC83-HI-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT, HI lum setting
Light Source: -
Ballast/Driver: -

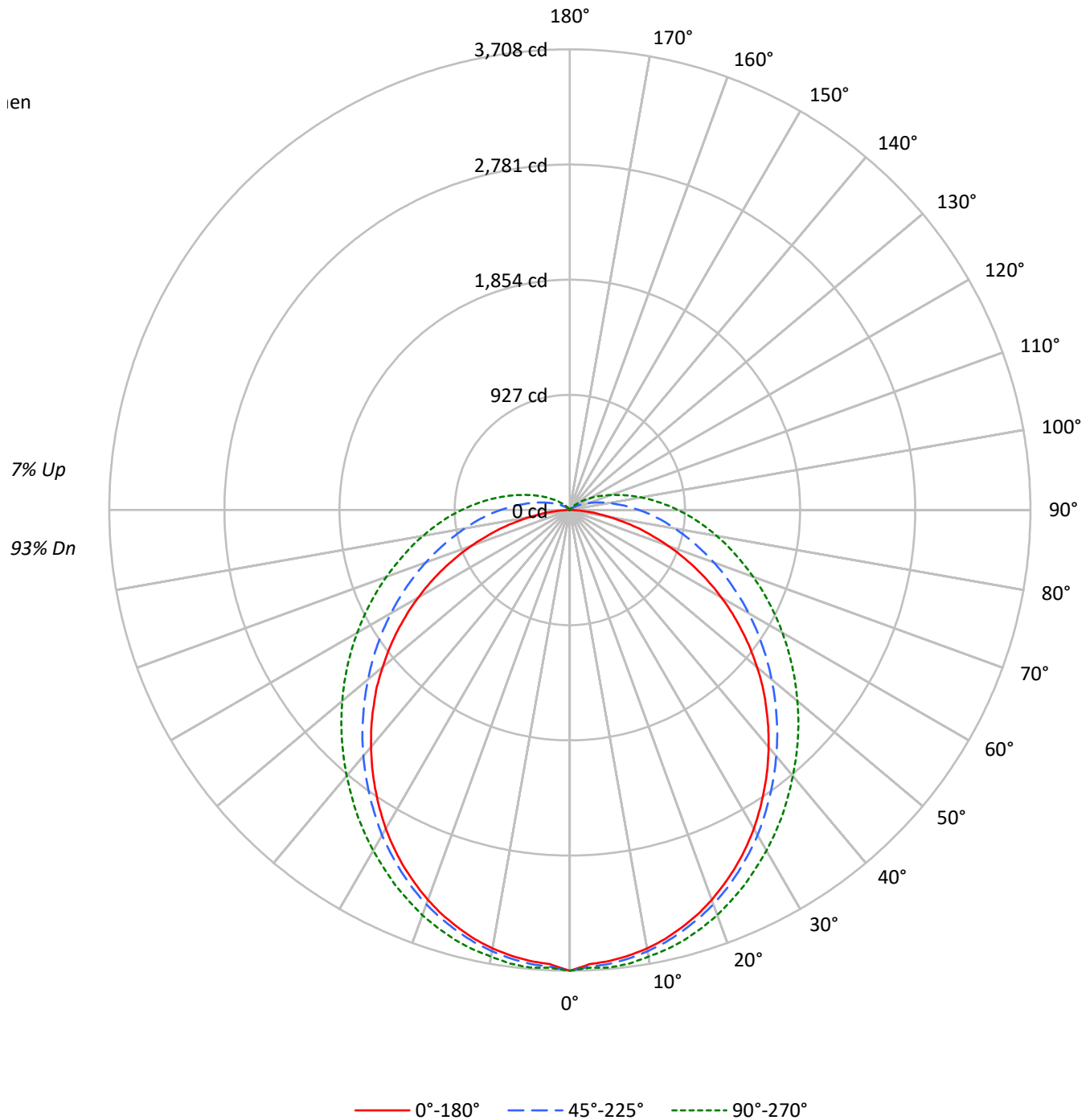
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12275.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13156	13156	13156
5°	12979	13062	13165
10°	12910	12993	13150
15°	12778	12885	13152
20°	12609	12752	13102
25°	12392	12574	13029
30°	12137	12386	12969
35°	11838	12165	12944
40°	11530	11974	12941
45°	11210	11807	13030
50°	10858	11707	13196
55°	10464	11684	13515
60°	10006	11798	14021
65°	9451	12106	14859
70°	8759	12792	16283
75°	7916	14239	18894
80°	6700	17548	24544
85°	5435	28583	42050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 77414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	2.9
10°-20°	999.1	8.1
20°-30°	1496.0	12.2
30°-40°	1783.8	14.5
40°-50°	1850.1	15.1
50°-60°	1716.4	14.0
60°-70°	1431.9	11.7
70°-80°	1067.6	8.7
80°-90°	710.8	5.8
90°-100°	432.7	3.5
100°-110°	241.6	2.0
110°-120°	120.7	1.0
120°-130°	50.5	0.4
130°-140°	15.9	0.1
140°-150°	3.9	0.0
150°-160°	1.7	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	2845.8	23.2
0°-40°	4629.7	37.7
0°-60°	8196.1	66.8
0°-90°	11406.3	92.9
90°-120°	795.1	6.5
90°-150°	865.3	7.0
90°-180°	869.0	7.1
0°-180°	12275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3708	3708	3708	3708	3708	
5°	3644	3728	3667	3688	3696	346
15°	3479	3569	3508	3572	3580	981
25°	3165	3250	3212	3302	3328	1457
35°	2733	2806	2808	2948	2988	1710
45°	2234	2292	2353	2539	2597	1724
55°	1692	1750	1889	2109	2185	1512
65°	1126	1216	1442	1686	1770	1114
75°	577	737	1039	1291	1378	610
85°	134	366	702	943	1033	150
90°	6	241	557	786	870	10
95°	0	148	429	644	720	0
105°	0	46	235	398	458	0
115°	3	12	110	223	267	3
125°	3	3	44	107	134	3
135°	3	3	12	38	49	2
145°	3	3	3	9	12	2
155°	6	6	3	3	3	2
165°	6	6	3	3	3	2
175°	6	6	6	3	0	1
180°	6	6	6	6	6	



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 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0
2.5°	3658.6	3664.4	3716.7	3713.8	3705.1	3739.9	3748.6	3719.6	3673.1	3719.6	3678.9
5°	3644.1	3649.9	3702.2	3699.3	3690.5	3728.3	3731.2	3705.1	3658.6	3705.1	3667.3
7.5°	3618.0	3623.8	3676.0	3673.1	3667.3	3705.1	3702.2	3681.8	3632.5	3681.8	3641.2
10°	3583.2	3586.1	3641.2	3635.4	3632.5	3670.2	3661.5	3644.1	3594.8	3644.1	3606.4
12.5°	3536.8	3539.7	3594.8	3589.0	3589.0	3623.8	3612.2	3597.7	3548.4	3594.8	3562.9
15°	3478.7	3481.6	3533.9	3531.0	3531.0	3568.7	3551.3	3539.7	3493.3	3542.6	3507.8
17.5°	3414.9	3412.0	3467.1	3461.3	3467.1	3502.0	3478.7	3472.9	3429.4	3475.8	3446.8
20°	3339.5	3339.5	3388.8	3385.9	3394.6	3426.5	3397.5	3400.4	3356.9	3406.2	3377.2
22.5°	3255.3	3252.4	3301.8	3301.8	3310.5	3342.4	3310.5	3319.2	3275.7	3322.1	3298.9
25°	3165.4	3159.6	3208.9	3208.9	3223.4	3249.5	3214.7	3226.3	3185.7	3232.1	3211.8
27.5°	3066.8	3058.0	3107.4	3110.3	3121.9	3148.0	3110.3	3127.7	3090.0	3133.5	3119.0
30°	2962.3	2953.6	3002.9	3005.8	3020.3	3040.6	3002.9	3026.1	2991.3	3034.8	3023.2
32.5°	2849.1	2843.3	2889.8	2895.6	2910.1	2924.6	2889.8	2913.0	2884.0	2927.5	2915.9
35°	2733.1	2727.3	2770.8	2779.5	2794.0	2805.6	2767.9	2799.8	2773.7	2814.3	2808.5
37.5°	2614.1	2605.4	2651.9	2657.7	2675.1	2680.9	2646.1	2683.8	2660.6	2701.2	2698.3
40°	2489.4	2480.7	2527.1	2532.9	2550.3	2550.3	2521.3	2561.9	2544.5	2582.2	2585.1
42.5°	2364.6	2355.9	2396.5	2408.1	2422.6	2422.6	2393.6	2437.2	2425.5	2463.3	2472.0
45°	2234.1	2225.4	2263.1	2274.7	2292.1	2292.1	2263.1	2312.4	2303.7	2341.4	2353.0
47.5°	2106.4	2094.8	2129.6	2141.2	2158.6	2155.7	2132.5	2181.8	2178.9	2216.6	2237.0
50°	1967.1	1958.4	1993.2	2004.8	2025.2	2019.4	2001.9	2054.2	2054.2	2091.9	2120.9
52.5°	1830.8	1822.1	1856.9	1868.5	1885.9	1885.9	1868.5	1923.6	1932.3	1970.0	2004.8
55°	1691.5	1679.9	1714.7	1726.3	1746.6	1749.5	1735.0	1790.1	1807.6	1851.1	1888.8
57.5°	1552.2	1546.4	1575.4	1587.1	1613.2	1613.2	1604.5	1662.5	1685.7	1732.1	1775.6
60°	1410.1	1404.3	1430.4	1444.9	1473.9	1479.7	1473.9	1534.8	1566.7	1613.2	1662.5
62.5°	1267.9	1262.1	1288.2	1308.5	1340.4	1346.2	1349.1	1413.0	1447.8	1497.1	1552.2
65°	1125.7	1119.9	1146.0	1169.3	1207.0	1215.7	1224.4	1291.1	1331.7	1384.0	1442.0
67.5°	983.6	980.7	1006.8	1035.8	1076.4	1088.0	1102.5	1172.2	1218.6	1273.7	1337.5
70°	844.3	841.4	867.5	902.3	951.7	966.2	983.6	1053.2	1111.2	1169.3	1233.1
72.5°	705.0	707.9	736.9	777.6	832.7	847.2	870.4	942.9	1006.8	1067.7	1134.4
75°	577.4	577.4	609.3	655.7	716.6	736.9	763.1	838.5	905.2	969.1	1038.7
77.5°	446.8	446.8	484.5	542.6	609.3	629.6	661.5	739.9	812.4	876.2	945.8
80°	327.9	333.7	377.2	435.2	504.8	531.0	568.7	647.0	725.3	789.2	858.8
82.5°	223.4	232.1	278.5	345.3	414.9	441.0	478.7	562.9	641.2	707.9	780.5
85°	133.5	148.0	197.3	264.0	336.6	365.6	406.2	484.5	562.9	629.6	702.1
87.5°	60.9	81.2	133.5	200.2	269.8	301.7	336.6	412.0	490.3	557.1	632.5
90°	5.8	34.8	87.0	145.1	211.8	240.8	275.6	348.2	423.6	484.5	557.1
92.5°	0.0	14.5	52.2	104.4	162.5	191.5	223.4	293.0	359.8	420.7	490.3
95°	0.0	5.8	29.0	72.5	121.9	148.0	177.0	240.8	307.5	365.6	429.4
97.5°	0.0	2.9	17.4	49.3	89.9	113.2	139.3	197.3	258.2	313.3	371.4
100°	0.0	2.9	8.7	31.9	66.7	84.1	110.3	159.6	214.7	264.0	322.1
102.5°	0.0	0.0	5.8	20.3	49.3	63.8	84.1	127.7	177.0	223.4	275.6
105°	0.0	0.0	2.9	14.5	34.8	46.4	63.8	101.5	145.1	185.7	235.0
107.5°	0.0	0.0	2.9	8.7	23.2	34.8	49.3	78.3	116.1	153.8	197.3
110°	2.9	2.9	2.9	5.8	17.4	26.1	34.8	60.9	95.7	127.7	165.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.9	2.9	2.9	2.9	11.6	17.4	26.1	46.4	75.4	101.5	136.4
115°	2.9	2.9	2.9	2.9	8.7	11.6	17.4	34.8	58.0	81.2	110.3
117.5°	2.9	2.9	2.9	2.9	5.8	8.7	11.6	26.1	43.5	63.8	89.9
120°	2.9	2.9	2.9	2.9	2.9	5.8	8.7	17.4	34.8	49.3	72.5
122.5°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	14.5	26.1	37.7	55.1
125°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	17.4	29.0	43.5
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	11.6	20.3	31.9
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	14.5	23.2
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	11.6	17.4
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	11.6
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	8.7
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8
145°	2.9	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9
155°	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9
157.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
160°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
162.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
165°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9
167.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9
170°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
172.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9
175°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
177.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0	3708.0
2.5°	3690.5	3699.3	3708.0	3684.7	3699.3	3725.4	3734.1	3699.3	3710.9	3687.6
5°	3678.9	3684.7	3696.4	3667.3	3687.6	3710.9	3725.4	3696.4	3713.8	3696.4
7.5°	3655.7	3661.5	3676.0	3647.0	3673.1	3693.4	3710.9	3681.8	3699.3	3681.8
10°	3620.9	3629.6	3649.9	3615.1	3647.0	3664.4	3681.8	3649.9	3667.3	3649.9
12.5°	3577.4	3591.9	3609.3	3577.4	3609.3	3623.8	3647.0	3615.1	3635.4	3620.9
15°	3525.2	3539.7	3562.9	3531.0	3571.6	3583.2	3606.4	3574.5	3594.8	3580.3
17.5°	3464.2	3481.6	3510.7	3472.9	3519.4	3528.1	3551.3	3522.3	3542.6	3528.1
20°	3394.6	3412.0	3441.0	3406.2	3452.6	3458.4	3484.6	3458.4	3478.7	3470.0
22.5°	3313.4	3333.7	3362.7	3330.8	3380.1	3380.1	3412.0	3385.9	3409.1	3400.4
25°	3229.2	3252.4	3284.4	3249.5	3301.8	3301.8	3336.6	3310.5	3333.7	3327.9
27.5°	3139.3	3165.4	3203.1	3168.3	3220.5	3217.6	3252.4	3229.2	3255.3	3246.6
30°	3043.5	3072.6	3110.3	3081.3	3136.4	3130.6	3165.4	3145.1	3168.3	3165.4
32.5°	2939.1	2971.0	3017.4	2985.5	3040.6	3034.8	3078.4	3055.1	3084.2	3078.4
35°	2834.6	2869.5	2915.9	2886.9	2947.8	2939.1	2982.6	2962.3	2991.3	2988.4
37.5°	2727.3	2765.0	2811.4	2788.2	2846.2	2837.5	2884.0	2866.6	2898.5	2889.8
40°	2617.0	2654.8	2704.1	2683.8	2744.7	2733.1	2782.4	2767.9	2799.8	2794.0
42.5°	2506.8	2547.4	2596.7	2585.1	2643.2	2631.5	2680.9	2669.3	2701.2	2695.4
45°	2393.6	2437.2	2489.4	2477.8	2538.7	2527.1	2576.4	2567.7	2599.6	2596.7
47.5°	2280.5	2326.9	2379.1	2373.3	2431.4	2419.7	2472.0	2463.3	2495.2	2495.2
50°	2164.4	2216.6	2268.9	2266.0	2324.0	2312.4	2358.8	2358.8	2393.6	2390.7
52.5°	2048.4	2103.5	2158.6	2158.6	2216.6	2205.0	2257.3	2254.4	2289.2	2289.2
55°	1938.1	1987.4	2042.6	2054.2	2109.3	2091.9	2147.0	2152.8	2181.8	2184.7
57.5°	1827.9	1880.1	1935.2	1949.7	2001.9	1990.3	2042.6	2048.4	2077.4	2080.3
60°	1717.6	1766.9	1822.1	1842.4	1894.6	1883.0	1935.2	1941.0	1972.9	1975.8
62.5°	1607.4	1656.7	1717.6	1737.9	1787.2	1778.5	1833.7	1839.5	1868.5	1874.3
65°	1500.0	1552.2	1610.3	1639.3	1685.7	1674.1	1729.2	1735.0	1766.9	1769.8
67.5°	1395.6	1447.8	1505.8	1537.7	1581.2	1575.4	1627.7	1639.3	1665.4	1671.2
70°	1294.0	1346.2	1407.2	1439.1	1482.6	1479.7	1529.0	1537.7	1566.7	1569.6
72.5°	1195.4	1247.6	1308.5	1346.2	1384.0	1381.1	1430.4	1442.0	1471.0	1473.9
75°	1099.6	1154.7	1212.8	1253.4	1291.1	1288.2	1337.5	1349.1	1375.3	1378.2
77.5°	1009.7	1064.8	1125.7	1166.4	1198.3	1201.2	1244.7	1256.3	1282.4	1291.1
80°	925.5	977.8	1035.8	1079.3	1108.3	1114.1	1154.7	1169.3	1189.6	1201.2
82.5°	844.3	896.5	954.6	995.2	1024.2	1030.0	1067.7	1085.1	1105.4	1114.1
85°	766.0	818.2	873.3	916.8	942.9	945.8	983.6	1001.0	1018.4	1032.9
87.5°	690.5	742.8	795.0	841.4	864.6	870.4	905.2	922.6	937.1	951.7
90°	615.1	667.3	719.5	763.1	786.3	789.2	826.9	844.3	858.8	870.4
92.5°	545.5	597.7	649.9	693.4	713.7	719.5	751.5	771.8	783.4	795.0
95°	478.7	531.0	577.4	623.8	644.1	652.8	681.8	699.2	713.7	719.5
97.5°	420.7	467.1	510.6	557.1	574.5	583.2	612.2	632.5	644.1	649.9
100°	365.6	409.1	449.7	493.2	510.6	519.3	545.5	562.9	574.5	583.2
102.5°	316.2	356.9	394.6	435.2	452.6	458.4	481.6	499.0	510.6	519.3
105°	272.7	310.4	345.3	383.0	397.5	406.2	426.5	441.0	452.6	458.4
107.5°	232.1	269.8	298.8	333.7	348.2	354.0	374.3	391.7	400.4	403.3
110°	197.3	229.2	258.2	287.2	304.6	310.4	327.9	342.4	351.1	354.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	165.4	194.4	220.5	246.6	261.1	266.9	284.3	298.8	304.6	307.5
115°	136.4	165.4	185.7	211.8	223.4	229.2	243.7	258.2	261.1	266.9
117.5°	110.3	136.4	156.7	177.0	188.6	194.4	206.0	217.6	223.4	226.3
120°	89.9	110.3	127.7	148.0	156.7	162.5	174.1	185.7	188.6	191.5
122.5°	72.5	89.9	104.4	121.9	130.6	136.4	145.1	153.8	156.7	159.6
125°	55.1	72.5	84.1	98.6	107.4	110.3	119.0	127.7	130.6	133.5
127.5°	43.5	55.1	66.7	78.3	84.1	87.0	95.7	101.5	104.4	107.4
130°	31.9	40.6	49.3	60.9	66.7	69.6	75.4	81.2	84.1	84.1
132.5°	23.2	31.9	37.7	46.4	49.3	52.2	58.0	63.8	63.8	66.7
135°	14.5	20.3	26.1	31.9	37.7	37.7	43.5	46.4	49.3	49.3
137.5°	11.6	14.5	17.4	23.2	26.1	29.0	29.0	34.8	34.8	34.8
140°	8.7	11.6	11.6	14.5	17.4	20.3	20.3	23.2	23.2	23.2
142.5°	5.8	8.7	8.7	11.6	11.6	14.5	14.5	14.5	17.4	17.4
145°	5.8	5.8	5.8	8.7	8.7	8.7	8.7	11.6	11.6	11.6
147.5°	2.9	2.9	5.8	5.8	5.8	5.8	5.8	8.7	8.7	8.7
150°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	5.8	5.8
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	0.0
177.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0
180°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



TEST NUMBER: P895495
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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	19.24	20.78	19.71	21.23	21.72	20.81	22.35	21.28	22.81	23.29
	3H	20.92	22.32	21.40	22.79	23.31	23.44	24.84	23.92	25.31	25.83
	4H	21.52	22.85	22.02	23.33	23.87	24.75	26.08	25.25	26.56	27.10
	6H	21.91	23.15	22.43	23.65	24.21	26.15	27.39	26.67	27.89	28.45
	8H	22.03	23.22	22.56	23.74	24.30	26.90	28.09	27.43	28.61	29.17
	12H	22.11	23.25	22.64	23.76	24.36	27.75	28.89	28.29	29.41	30.00
4H	2H	20.17	21.50	20.67	21.98	22.52	21.36	22.69	21.87	23.18	23.72
	3H	22.15	23.28	22.66	23.81	24.37	24.28	25.42	24.80	25.94	26.51
	4H	22.92	23.96	23.46	24.50	25.10	25.80	26.84	26.34	27.38	27.98
	6H	23.50	24.42	24.06	24.99	25.60	27.45	28.37	28.00	28.93	29.54
	8H	23.69	24.55	24.25	25.12	25.74	28.33	29.19	28.89	29.76	30.38
	12H	23.81	24.60	24.39	25.19	25.82	29.33	30.12	29.91	30.71	31.34
8H	4H	23.80	24.67	24.36	25.23	25.85	26.16	27.03	26.73	27.60	28.22
	6H	24.68	25.42	25.28	26.03	26.65	28.07	28.80	28.66	29.41	30.04
	8H	25.03	25.70	25.64	26.31	26.95	29.15	29.82	29.76	30.43	31.07
	12H	25.30	25.90	25.91	26.50	27.21	30.41	31.01	31.02	31.61	32.32
12H	4H	24.08	24.87	24.66	25.46	26.09	26.21	26.99	26.79	27.59	28.21
	6H	25.13	25.80	25.74	26.42	27.06	28.18	28.84	28.78	29.46	30.10
	8H	25.65	26.25	26.26	26.85	27.56	29.37	29.97	29.98	30.57	31.28