

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: P895493

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895493
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-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT, HI lum setting
Light Source: -
Ballast/Driver: -

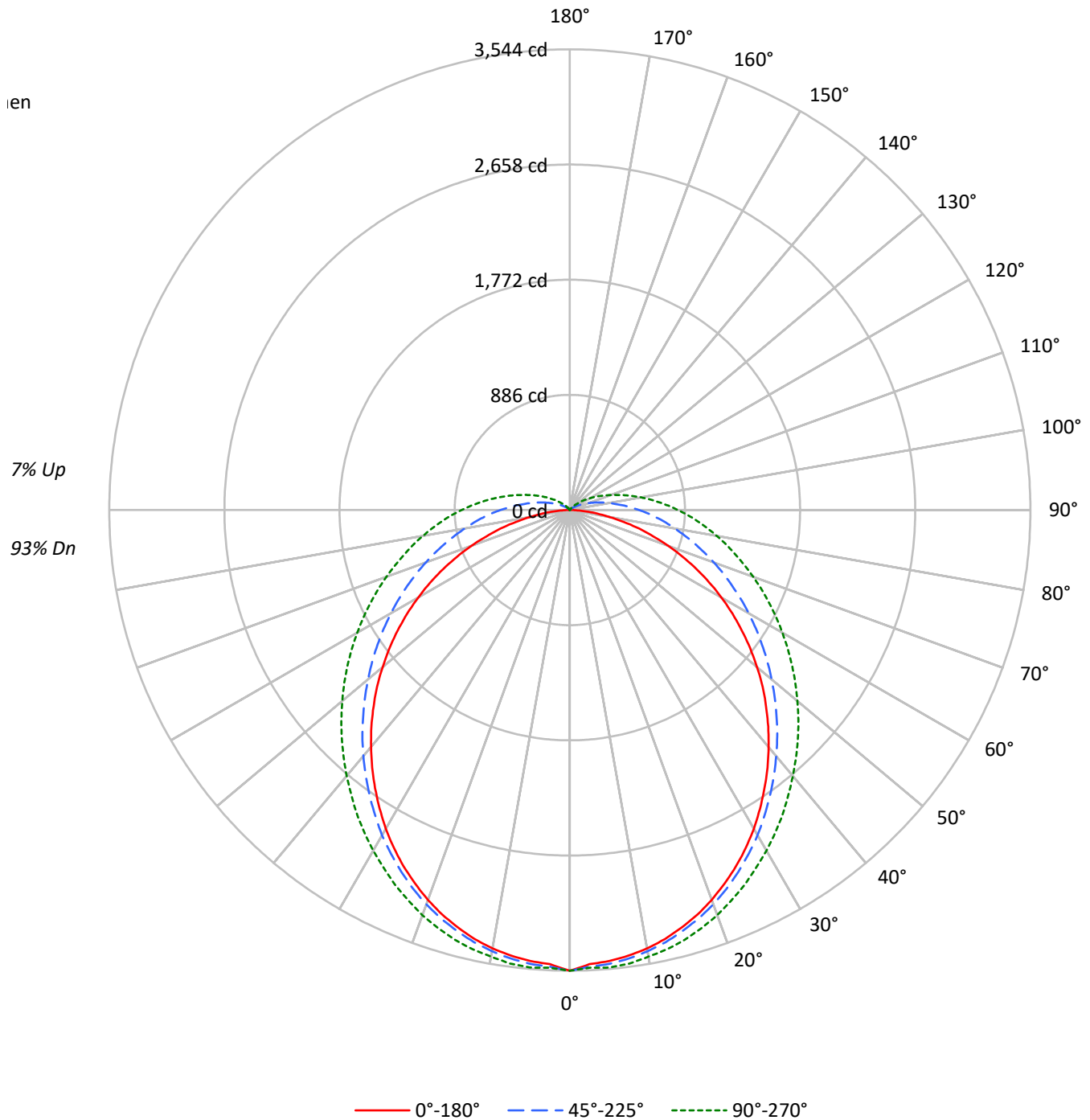
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11732.0 lumens
Efficiency: N/A
Efficacy: 115.7 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°	12574	12574	12574
5°	12405	12484	12583
10°	12339	12419	12569
15°	12213	12315	12570
20°	12052	12188	12523
25°	11844	12018	12452
30°	11600	11838	12395
35°	11315	11627	12372
40°	11020	11444	12369
45°	10714	11285	12454
50°	10378	11189	12613
55°	10001	11167	12917
60°	9564	11275	13401
65°	9033	11571	14201
70°	8372	12226	15563
75°	7565	13609	18057
80°	6404	16771	23457
85°	5195	27321	40189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 73990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	2.9
10°-20°	954.9	8.1
20°-30°	1429.9	12.2
30°-40°	1704.9	14.5
40°-50°	1768.2	15.1
50°-60°	1640.5	14.0
60°-70°	1368.5	11.7
70°-80°	1020.3	8.7
80°-90°	679.4	5.8
90°-100°	413.6	3.5
100°-110°	230.9	2.0
110°-120°	115.4	1.0
120°-130°	48.2	0.4
130°-140°	15.2	0.1
140°-150°	3.8	0.0
150°-160°	1.7	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	2720.0	23.2
0°-40°	4424.9	37.7
0°-60°	7833.5	66.8
0°-90°	10901.8	92.9
90°-120°	759.9	6.5
90°-150°	827.1	7.0
90°-180°	830.0	7.1
0°-180°	11732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3544	3544	3544	3544	3544	
5°	3483	3563	3505	3524	3533	331
15°	3325	3411	3353	3414	3422	938
25°	3025	3106	3070	3156	3181	1393
35°	2612	2682	2684	2817	2856	1634
45°	2135	2191	2249	2426	2482	1648
55°	1617	1672	1805	2016	2088	1445
65°	1076	1162	1378	1611	1692	1065
75°	552	704	993	1234	1317	583
85°	128	349	671	901	987	143
90°	6	230	532	752	832	9
95°	0	141	410	616	688	0
105°	0	44	225	380	438	0
115°	3	11	105	214	255	3
125°	3	3	42	103	128	3
135°	3	3	11	36	47	2
145°	3	3	3	8	11	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	



TEST NUMBER: P895493
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-HI-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9
2.5°	3496.8	3502.3	3552.2	3549.5	3541.2	3574.4	3582.8	3555.0	3510.7	3555.0	3516.2
5°	3482.9	3488.5	3538.4	3535.6	3527.3	3563.3	3566.1	3541.2	3496.8	3541.2	3505.1
7.5°	3458.0	3463.5	3513.4	3510.7	3505.1	3541.2	3538.4	3519.0	3471.8	3519.0	3480.2
10°	3424.7	3427.5	3480.2	3474.6	3471.8	3507.9	3499.6	3482.9	3435.8	3482.9	3446.9
12.5°	3380.3	3383.1	3435.8	3430.2	3430.2	3463.5	3452.4	3438.6	3391.4	3435.8	3405.3
15°	3324.9	3327.6	3377.5	3374.8	3374.8	3410.8	3394.2	3383.1	3338.7	3385.9	3352.6
17.5°	3263.9	3261.1	3313.8	3308.2	3313.8	3347.0	3324.9	3319.3	3277.7	3322.1	3294.4
20°	3191.8	3191.8	3238.9	3236.1	3244.4	3274.9	3247.2	3250.0	3208.4	3255.5	3227.8
22.5°	3111.3	3108.6	3155.7	3155.7	3164.0	3194.5	3164.0	3172.3	3130.7	3175.1	3152.9
25°	3025.4	3019.8	3067.0	3067.0	3080.8	3105.8	3072.5	3083.6	3044.8	3089.2	3069.7
27.5°	2931.1	2922.8	2969.9	2972.7	2983.8	3008.7	2972.7	2989.3	2953.3	2994.9	2981.0
30°	2831.3	2822.9	2870.1	2872.9	2886.7	2906.1	2870.1	2892.3	2859.0	2900.6	2889.5
32.5°	2723.1	2717.6	2761.9	2767.5	2781.3	2795.2	2761.9	2784.1	2756.4	2798.0	2786.9
35°	2612.2	2606.6	2648.2	2656.6	2670.4	2681.5	2645.5	2676.0	2651.0	2689.8	2684.3
37.5°	2498.5	2490.2	2534.5	2540.1	2556.7	2562.3	2529.0	2565.1	2542.9	2581.7	2578.9
40°	2379.3	2370.9	2415.3	2420.9	2437.5	2437.5	2409.8	2448.6	2431.9	2468.0	2470.8
42.5°	2260.0	2251.7	2290.5	2301.6	2315.5	2315.5	2287.7	2329.3	2318.3	2354.3	2362.6
45°	2135.2	2126.9	2163.0	2174.1	2190.7	2190.7	2163.0	2210.1	2201.8	2237.8	2248.9
47.5°	2013.2	2002.1	2035.4	2046.5	2063.1	2060.4	2038.2	2085.3	2082.5	2118.6	2138.0
50°	1880.1	1871.8	1905.1	1916.2	1935.6	1930.0	1913.4	1963.3	1963.3	1999.4	2027.1
52.5°	1749.8	1741.5	1774.7	1785.8	1802.5	1802.5	1785.8	1838.5	1846.8	1882.9	1916.2
55°	1616.7	1605.6	1638.9	1650.0	1669.4	1672.1	1658.3	1711.0	1727.6	1769.2	1805.2
57.5°	1483.6	1478.0	1505.8	1516.8	1541.8	1541.8	1533.5	1588.9	1611.1	1655.5	1697.1
60°	1347.7	1342.1	1367.1	1381.0	1408.7	1414.2	1408.7	1466.9	1497.4	1541.8	1588.9
62.5°	1211.8	1206.3	1231.2	1250.6	1281.1	1286.7	1289.5	1350.5	1383.7	1430.9	1483.6
65°	1075.9	1070.4	1095.3	1117.5	1153.6	1161.9	1170.2	1234.0	1272.8	1322.7	1378.2
67.5°	940.1	937.3	962.2	990.0	1028.8	1039.9	1053.8	1120.3	1164.7	1217.4	1278.4
70°	807.0	804.2	829.1	862.4	909.6	923.4	940.1	1006.6	1062.1	1117.5	1178.5
72.5°	673.8	676.6	704.3	743.2	795.9	809.7	831.9	901.2	962.2	1020.5	1084.3
75°	551.8	551.8	582.3	626.7	684.9	704.3	729.3	801.4	865.2	926.2	992.7
77.5°	427.0	427.0	463.1	518.6	582.3	601.7	632.3	707.1	776.4	837.5	904.0
80°	313.4	318.9	360.5	416.0	482.5	507.5	543.5	618.4	693.3	754.3	820.8
82.5°	213.5	221.8	266.2	330.0	396.5	421.5	457.5	538.0	612.8	676.6	745.9
85°	127.6	141.4	188.6	252.3	321.7	349.4	388.2	463.1	538.0	601.7	671.1
87.5°	58.2	77.6	127.6	191.3	257.9	288.4	321.7	393.8	468.6	532.4	604.5
90°	5.5	33.3	83.2	138.7	202.4	230.2	263.4	332.8	404.9	463.1	532.4
92.5°	0.0	13.9	49.9	99.8	155.3	183.0	213.5	280.1	343.9	402.1	468.6
95°	0.0	5.5	27.7	69.3	116.5	141.4	169.2	230.2	293.9	349.4	410.4
97.5°	0.0	2.8	16.6	47.1	86.0	108.1	133.1	188.6	246.8	299.5	354.9
100°	0.0	2.8	8.3	30.5	63.8	80.4	105.4	152.5	205.2	252.3	307.8
102.5°	0.0	0.0	5.5	19.4	47.1	61.0	80.4	122.0	169.2	213.5	263.4
105°	0.0	0.0	2.8	13.9	33.3	44.4	61.0	97.1	138.7	177.5	224.6
107.5°	0.0	0.0	2.8	8.3	22.2	33.3	47.1	74.9	110.9	147.0	188.6
110°	2.8	2.8	2.8	5.5	16.6	25.0	33.3	58.2	91.5	122.0	158.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	2.8	2.8	2.8	2.8	11.1	16.6	25.0	44.4	72.1	97.1	130.3
115°	2.8	2.8	2.8	2.8	8.3	11.1	16.6	33.3	55.5	77.6	105.4
117.5°	2.8	2.8	2.8	2.8	5.5	8.3	11.1	25.0	41.6	61.0	86.0
120°	2.8	2.8	2.8	2.8	2.8	5.5	8.3	16.6	33.3	47.1	69.3
122.5°	2.8	2.8	2.8	2.8	2.8	5.5	5.5	13.9	25.0	36.0	52.7
125°	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	16.6	27.7	41.6
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	11.1	19.4	30.5
130°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	13.9	22.2
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	11.1	16.6
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	11.1
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	8.3
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5
145°	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
155°	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8
157.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8
160°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8
162.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8
165°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8
167.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8
170°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
172.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8
175°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
177.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9	3543.9
2.5°	3527.3	3535.6	3543.9	3521.7	3535.6	3560.6	3568.9	3535.6	3546.7	3524.5
5°	3516.2	3521.7	3532.8	3505.1	3524.5	3546.7	3560.6	3532.8	3549.5	3532.8
7.5°	3494.0	3499.6	3513.4	3485.7	3510.7	3530.1	3546.7	3519.0	3535.6	3519.0
10°	3460.7	3469.1	3488.5	3455.2	3485.7	3502.3	3519.0	3488.5	3505.1	3488.5
12.5°	3419.1	3433.0	3449.6	3419.1	3449.6	3463.5	3485.7	3455.2	3474.6	3460.7
15°	3369.2	3383.1	3405.3	3374.8	3413.6	3424.7	3446.9	3416.4	3435.8	3421.9
17.5°	3311.0	3327.6	3355.4	3319.3	3363.7	3372.0	3394.2	3366.5	3385.9	3372.0
20°	3244.4	3261.1	3288.8	3255.5	3299.9	3305.4	3330.4	3305.4	3324.9	3316.5
22.5°	3166.8	3186.2	3213.9	3183.4	3230.6	3230.6	3261.1	3236.1	3258.3	3250.0
25°	3086.4	3108.6	3139.1	3105.8	3155.7	3155.7	3189.0	3164.0	3186.2	3180.7
27.5°	3000.4	3025.4	3061.4	3028.1	3078.1	3075.3	3108.6	3086.4	3111.3	3103.0
30°	2908.9	2936.6	2972.7	2945.0	2997.6	2992.1	3025.4	3006.0	3028.1	3025.4
32.5°	2809.1	2839.6	2883.9	2853.4	2906.1	2900.6	2942.2	2920.0	2947.7	2942.2
35°	2709.2	2742.5	2786.9	2759.2	2817.4	2809.1	2850.7	2831.3	2859.0	2856.2
37.5°	2606.6	2642.7	2687.1	2664.9	2720.3	2712.0	2756.4	2739.8	2770.3	2761.9
40°	2501.3	2537.3	2584.5	2565.1	2623.3	2612.2	2659.3	2645.5	2676.0	2670.4
42.5°	2395.9	2434.7	2481.9	2470.8	2526.2	2515.1	2562.3	2551.2	2581.7	2576.1
45°	2287.7	2329.3	2379.3	2368.2	2426.4	2415.3	2462.4	2454.1	2484.6	2481.9
47.5°	2179.6	2224.0	2273.9	2268.3	2323.8	2312.7	2362.6	2354.3	2384.8	2384.8
50°	2068.7	2118.6	2168.5	2165.7	2221.2	2210.1	2254.5	2254.5	2287.7	2285.0
52.5°	1957.8	2010.4	2063.1	2063.1	2118.6	2107.5	2157.4	2154.6	2187.9	2187.9
55°	1852.4	1899.5	1952.2	1963.3	2016.0	1999.4	2052.0	2057.6	2085.3	2088.1
57.5°	1747.0	1796.9	1849.6	1863.5	1913.4	1902.3	1952.2	1957.8	1985.5	1988.3
60°	1641.6	1688.8	1741.5	1760.9	1810.8	1799.7	1849.6	1855.2	1885.7	1888.4
62.5°	1536.3	1583.4	1641.6	1661.0	1708.2	1699.9	1752.6	1758.1	1785.8	1791.4
65°	1433.7	1483.6	1539.0	1566.8	1611.1	1600.0	1652.7	1658.3	1688.8	1691.5
67.5°	1333.8	1383.7	1439.2	1469.7	1511.3	1505.8	1555.7	1566.8	1591.7	1597.3
70°	1236.8	1286.7	1344.9	1375.4	1417.0	1414.2	1461.4	1469.7	1497.4	1500.2
72.5°	1142.5	1192.4	1250.6	1286.7	1322.7	1320.0	1367.1	1378.2	1405.9	1408.7
75°	1051.0	1103.7	1159.1	1197.9	1234.0	1231.2	1278.4	1289.5	1314.4	1317.2
77.5°	965.0	1017.7	1075.9	1114.8	1145.3	1148.0	1189.6	1200.7	1225.7	1234.0
80°	884.6	934.5	990.0	1031.6	1059.3	1064.8	1103.7	1117.5	1136.9	1148.0
82.5°	807.0	856.9	912.3	951.1	978.9	984.4	1020.5	1037.1	1056.5	1064.8
85°	732.1	782.0	834.7	876.3	901.2	904.0	940.1	956.7	973.3	987.2
87.5°	660.0	709.9	759.8	804.2	826.4	831.9	865.2	881.8	895.7	909.6
90°	587.9	637.8	687.7	729.3	751.5	754.3	790.3	807.0	820.8	831.9
92.5°	521.3	571.2	621.2	662.8	682.2	687.7	718.2	737.6	748.7	759.8
95°	457.5	507.5	551.8	596.2	615.6	623.9	651.7	668.3	682.2	687.7
97.5°	402.1	446.5	488.1	532.4	549.1	557.4	585.1	604.5	615.6	621.2
100°	349.4	391.0	429.8	471.4	488.1	496.4	521.3	538.0	549.1	557.4
102.5°	302.3	341.1	377.1	416.0	432.6	438.1	460.3	477.0	488.1	496.4
105°	260.7	296.7	330.0	366.0	379.9	388.2	407.6	421.5	432.6	438.1
107.5°	221.8	257.9	285.6	318.9	332.8	338.3	357.7	374.4	382.7	385.5
110°	188.6	219.1	246.8	274.5	291.2	296.7	313.4	327.2	335.5	338.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	158.1	185.8	210.8	235.7	249.6	255.1	271.8	285.6	291.2	293.9
115°	130.3	158.1	177.5	202.4	213.5	219.1	232.9	246.8	249.6	255.1
117.5°	105.4	130.3	149.7	169.2	180.2	185.8	196.9	208.0	213.5	216.3
120°	86.0	105.4	122.0	141.4	149.7	155.3	166.4	177.5	180.2	183.0
122.5°	69.3	86.0	99.8	116.5	124.8	130.3	138.7	147.0	149.7	152.5
125°	52.7	69.3	80.4	94.3	102.6	105.4	113.7	122.0	124.8	127.6
127.5°	41.6	52.7	63.8	74.9	80.4	83.2	91.5	97.1	99.8	102.6
130°	30.5	38.8	47.1	58.2	63.8	66.6	72.1	77.6	80.4	80.4
132.5°	22.2	30.5	36.0	44.4	47.1	49.9	55.5	61.0	61.0	63.8
135°	13.9	19.4	25.0	30.5	36.0	36.0	41.6	44.4	47.1	47.1
137.5°	11.1	13.9	16.6	22.2	25.0	27.7	27.7	33.3	33.3	33.3
140°	8.3	11.1	11.1	13.9	16.6	19.4	19.4	22.2	22.2	22.2
142.5°	5.5	8.3	8.3	11.1	11.1	13.9	13.9	13.9	16.6	16.6
145°	5.5	5.5	5.5	8.3	8.3	8.3	8.3	11.1	11.1	11.1
147.5°	2.8	2.8	5.5	5.5	5.5	5.5	5.5	8.3	8.3	8.3
150°	2.8	2.8	2.8	2.8	2.8	5.5	5.5	5.5	5.5	5.5
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
170°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
172.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
175°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0
177.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0
180°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



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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	19.08	20.62	19.55	21.08	21.56	20.65	22.19	21.12	22.65	23.13
	3H	20.76	22.16	21.24	22.63	23.16	23.28	24.68	23.76	25.15	25.68
	4H	21.36	22.69	21.86	23.17	23.71	24.59	25.92	25.09	26.41	26.95
	6H	21.76	23.00	22.27	23.49	24.05	26.00	27.24	26.51	27.73	28.29
	8H	21.87	23.06	22.40	23.58	24.15	26.74	27.93	27.27	28.46	29.02
	12H	21.95	23.09	22.48	23.60	24.20	27.60	28.74	28.13	29.25	29.84
4H	2H	20.01	21.34	20.52	21.83	22.37	21.21	22.54	21.71	23.02	23.56
	3H	21.99	23.13	22.51	23.65	24.22	24.12	25.26	24.64	25.79	26.35
	4H	22.77	23.81	23.30	24.34	24.94	25.65	26.69	26.18	27.23	27.82
	6H	23.35	24.27	23.90	24.83	25.44	27.29	28.21	27.85	28.77	29.38
	8H	23.53	24.39	24.09	24.96	25.58	28.17	29.04	28.73	29.60	30.22
	12H	23.65	24.44	24.24	25.03	25.66	29.17	29.96	29.76	30.55	31.18
8H	4H	23.64	24.51	24.21	25.08	25.70	26.01	26.87	26.57	27.44	28.06
	6H	24.53	25.26	25.12	25.87	26.50	27.91	28.65	28.50	29.25	29.88
	8H	24.87	25.54	25.48	26.16	26.80	28.99	29.66	29.60	30.27	30.91
	12H	25.15	25.74	25.75	26.35	27.05	30.26	30.85	30.86	31.46	32.16
12H	4H	23.92	24.71	24.51	25.30	25.93	26.05	26.84	26.63	27.43	28.06
	6H	24.98	25.64	25.58	26.26	26.90	28.02	28.69	28.62	29.30	29.94
	8H	25.49	26.09	26.10	26.69	27.40	29.22	29.81	29.82	30.42	31.12