

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: P894543

Luminaire Tested: 8TMB-12SL-RND-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894543
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-12SL-RND-UNV-L840
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

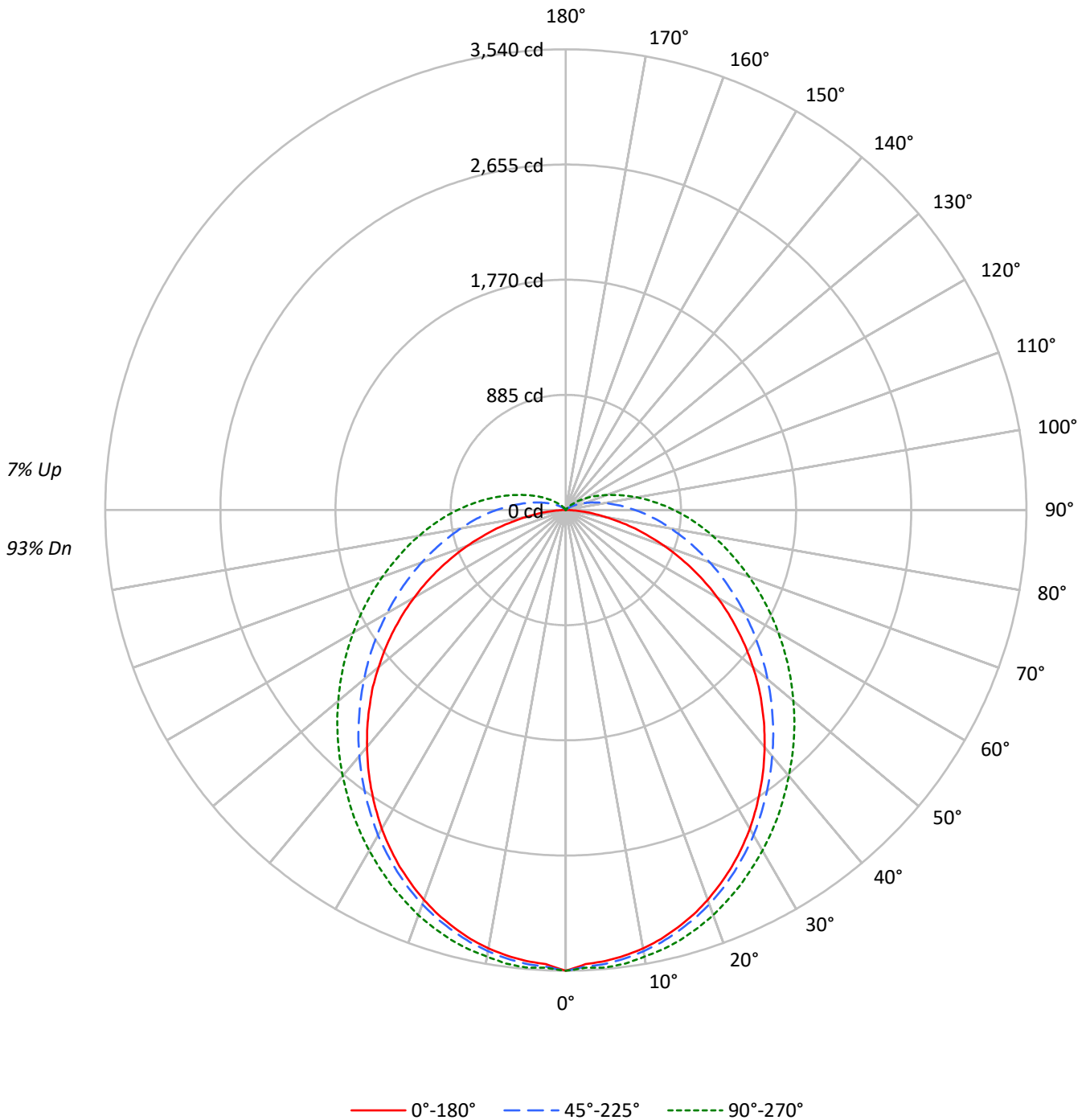
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11719.0 lumens
Efficiency: N/A
Efficacy: 132.0 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): 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

TEST NUMBER: P894543
CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

Luminous Intensity Polar Plot





TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	12560	12560	12560
5°	12391	12470	12569
10°	12325	12405	12555
15°	12200	12302	12556
20°	12038	12174	12509
25°	11831	12004	12438
30°	11587	11825	12381
35°	11302	11614	12358
40°	11008	11431	12355
45°	10703	11272	12440
50°	10366	11177	12599
55°	9990	11155	12903
60°	9553	11263	13386
65°	9023	11558	14186
70°	8363	12212	15546
75°	7556	13594	18037
80°	6395	16753	23432
85°	5186	27288	40144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 73900 cd/sqm



TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	2.9
10°-20°	953.9	8.1
20°-30°	1428.3	12.2
30°-40°	1703.0	14.5
40°-50°	1766.3	15.1
50°-60°	1638.6	14.0
60°-70°	1367.0	11.7
70°-80°	1019.2	8.7
80°-90°	678.6	5.8
90°-100°	413.1	3.5
100°-110°	230.7	2.0
110°-120°	115.2	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°	2716.9	23.2
0°-40°	4420.0	37.7
0°-60°	7824.8	66.8
0°-90°	10889.7	92.9
90°-120°	759.1	6.5
90°-150°	826.2	7.0
90°-180°	829.0	7.1
0°-180°	11719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3540	3540	3540	3540	3540	
5°	3479	3559	3501	3521	3529	330
15°	3321	3407	3349	3410	3418	937
25°	3022	3102	3066	3152	3177	1391
35°	2609	2678	2681	2814	2853	1632
45°	2133	2188	2246	2424	2479	1646
55°	1615	1670	1803	2014	2086	1444
65°	1075	1161	1377	1609	1690	1064
75°	551	704	992	1233	1316	583
85°	127	349	670	900	986	143
90°	6	230	532	751	831	9
95°	0	141	410	615	687	0
105°	0	44	224	380	438	0
115°	3	11	105	213	255	3
125°	3	3	42	102	127	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: P894543

CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0
2.5°	3492.9	3498.5	3548.3	3545.5	3537.2	3570.5	3578.8	3551.1	3506.8	3551.1	3512.3
5°	3479.1	3484.6	3534.5	3531.7	3523.4	3559.4	3562.2	3537.2	3492.9	3537.2	3501.2
7.5°	3454.1	3459.7	3509.5	3506.8	3501.2	3537.2	3534.5	3515.1	3468.0	3515.1	3476.3
10°	3420.9	3423.7	3476.3	3470.8	3468.0	3504.0	3495.7	3479.1	3432.0	3479.1	3443.1
12.5°	3376.6	3379.3	3432.0	3426.4	3426.4	3459.7	3448.6	3434.7	3387.7	3432.0	3401.5
15°	3321.2	3323.9	3373.8	3371.0	3371.0	3407.0	3390.4	3379.3	3335.0	3382.1	3348.9
17.5°	3260.2	3257.5	3310.1	3304.6	3310.1	3343.3	3321.2	3315.6	3274.1	3318.4	3290.7
20°	3188.2	3188.2	3235.3	3232.5	3240.8	3271.3	3243.6	3246.4	3204.8	3251.9	3224.2
22.5°	3107.9	3105.1	3152.2	3152.2	3160.5	3191.0	3160.5	3168.8	3127.3	3171.6	3149.4
25°	3022.0	3016.5	3063.6	3063.6	3077.4	3102.4	3069.1	3080.2	3041.4	3085.7	3066.3
27.5°	2927.8	2919.5	2966.6	2969.4	2980.5	3005.4	2969.4	2986.0	2950.0	2991.6	2977.7
30°	2828.1	2819.8	2866.9	2869.7	2883.5	2902.9	2866.9	2889.1	2855.8	2897.4	2886.3
32.5°	2720.1	2714.6	2758.9	2764.4	2778.3	2792.1	2758.9	2781.0	2753.3	2794.9	2783.8
35°	2609.3	2603.8	2645.3	2653.6	2667.5	2678.5	2642.5	2673.0	2648.1	2686.9	2681.3
37.5°	2495.7	2487.4	2531.7	2537.3	2553.9	2559.4	2526.2	2562.2	2540.0	2578.8	2576.1
40°	2376.6	2368.3	2412.6	2418.2	2434.8	2434.8	2407.1	2445.9	2429.3	2465.3	2468.0
42.5°	2257.5	2249.2	2288.0	2299.1	2312.9	2312.9	2285.2	2326.8	2315.7	2351.7	2360.0
45°	2132.9	2124.6	2160.6	2171.6	2188.3	2188.3	2160.6	2207.7	2199.3	2235.4	2246.4
47.5°	2011.0	1999.9	2033.1	2044.2	2060.8	2058.1	2035.9	2083.0	2080.2	2116.2	2135.6
50°	1878.0	1869.7	1903.0	1914.0	1933.4	1927.9	1911.3	1961.1	1961.1	1997.1	2024.8
52.5°	1747.8	1739.5	1772.8	1783.9	1800.5	1800.5	1783.9	1836.5	1844.8	1880.8	1914.0
55°	1614.9	1603.8	1637.0	1648.1	1667.5	1670.3	1656.4	1709.1	1725.7	1767.2	1803.2
57.5°	1481.9	1476.4	1504.1	1515.2	1540.1	1540.1	1531.8	1587.2	1609.3	1653.7	1695.2
60°	1346.2	1340.7	1365.6	1379.4	1407.1	1412.7	1407.1	1465.3	1495.8	1540.1	1587.2
62.5°	1210.5	1204.9	1229.9	1249.2	1279.7	1285.3	1288.0	1349.0	1382.2	1429.3	1481.9
65°	1074.7	1069.2	1094.1	1116.3	1152.3	1160.6	1168.9	1232.6	1271.4	1321.3	1376.7
67.5°	939.0	936.2	961.2	988.9	1027.7	1038.7	1052.6	1119.1	1163.4	1216.0	1276.9
70°	806.1	803.3	828.2	861.5	908.5	922.4	939.0	1005.5	1060.9	1116.3	1177.2
72.5°	673.1	675.9	703.6	742.3	795.0	808.8	831.0	900.2	961.2	1019.3	1083.1
75°	551.2	551.2	581.7	626.0	684.2	703.6	728.5	800.5	864.2	925.2	991.6
77.5°	426.6	426.6	462.6	518.0	581.7	601.1	631.5	706.3	775.6	836.5	903.0
80°	313.0	318.5	360.1	415.5	482.0	506.9	542.9	617.7	692.5	753.4	819.9
82.5°	213.3	221.6	265.9	329.6	396.1	421.0	457.0	537.4	612.2	675.9	745.1
85°	127.4	141.3	188.4	252.1	321.3	349.0	387.8	462.6	537.4	601.1	670.3
87.5°	58.2	77.6	127.4	191.1	257.6	288.1	321.3	393.3	468.1	531.8	603.9
90°	5.5	33.2	83.1	138.5	202.2	229.9	263.1	332.4	404.4	462.6	531.8
92.5°	0.0	13.8	49.9	99.7	155.1	182.8	213.3	279.8	343.5	401.6	468.1
95°	0.0	5.5	27.7	69.2	116.3	141.3	169.0	229.9	293.6	349.0	410.0
97.5°	0.0	2.8	16.6	47.1	85.9	108.0	133.0	188.4	246.5	299.2	354.6
100°	0.0	2.8	8.3	30.5	63.7	80.3	105.3	152.3	205.0	252.1	307.5
102.5°	0.0	0.0	5.5	19.4	47.1	60.9	80.3	121.9	169.0	213.3	263.1
105°	0.0	0.0	2.8	13.8	33.2	44.3	60.9	96.9	138.5	177.3	224.4
107.5°	0.0	0.0	2.8	8.3	22.2	33.2	47.1	74.8	110.8	146.8	188.4
110°	2.8	2.8	2.8	5.5	16.6	24.9	33.2	58.2	91.4	121.9	157.9



TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

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	24.9	44.3	72.0	96.9	130.2
115°	2.8	2.8	2.8	2.8	8.3	11.1	16.6	33.2	55.4	77.6	105.3
117.5°	2.8	2.8	2.8	2.8	5.5	8.3	11.1	24.9	41.5	60.9	85.9
120°	2.8	2.8	2.8	2.8	2.8	5.5	8.3	16.6	33.2	47.1	69.2
122.5°	2.8	2.8	2.8	2.8	2.8	5.5	5.5	13.8	24.9	36.0	52.6
125°	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	16.6	27.7	41.5
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	13.8	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



TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0	3540.0
2.5°	3523.4	3531.7	3540.0	3517.8	3531.7	3556.6	3564.9	3531.7	3542.8	3520.6
5°	3512.3	3517.8	3528.9	3501.2	3520.6	3542.8	3556.6	3528.9	3545.5	3528.9
7.5°	3490.1	3495.7	3509.5	3481.8	3506.8	3526.2	3542.8	3515.1	3531.7	3515.1
10°	3456.9	3465.2	3484.6	3451.4	3481.8	3498.5	3515.1	3484.6	3501.2	3484.6
12.5°	3415.4	3429.2	3445.8	3415.4	3445.8	3459.7	3481.8	3451.4	3470.8	3456.9
15°	3365.5	3379.3	3401.5	3371.0	3409.8	3420.9	3443.1	3412.6	3432.0	3418.1
17.5°	3307.3	3323.9	3351.6	3315.6	3360.0	3368.3	3390.4	3362.7	3382.1	3368.3
20°	3240.8	3257.5	3285.2	3251.9	3296.2	3301.8	3326.7	3301.8	3321.2	3312.9
22.5°	3163.3	3182.7	3210.4	3179.9	3227.0	3227.0	3257.5	3232.5	3254.7	3246.4
25°	3083.0	3105.1	3135.6	3102.4	3152.2	3152.2	3185.4	3160.5	3182.7	3177.1
27.5°	2997.1	3022.0	3058.0	3024.8	3074.7	3071.9	3105.1	3083.0	3107.9	3099.6
30°	2905.7	2933.4	2969.4	2941.7	2994.3	2988.8	3022.0	3002.6	3024.8	3022.0
32.5°	2806.0	2836.4	2880.8	2850.3	2902.9	2897.4	2938.9	2916.8	2944.5	2938.9
35°	2706.2	2739.5	2783.8	2756.1	2814.3	2806.0	2847.5	2828.1	2855.8	2853.1
37.5°	2603.8	2639.8	2684.1	2661.9	2717.3	2709.0	2753.3	2736.7	2767.2	2758.9
40°	2498.5	2534.5	2581.6	2562.2	2620.4	2609.3	2656.4	2642.5	2673.0	2667.5
42.5°	2393.2	2432.0	2479.1	2468.0	2523.4	2512.3	2559.4	2548.4	2578.8	2573.3
45°	2285.2	2326.8	2376.6	2365.5	2423.7	2412.6	2459.7	2451.4	2481.9	2479.1
47.5°	2177.2	2221.5	2271.4	2265.8	2321.2	2310.1	2360.0	2351.7	2382.2	2382.2
50°	2066.4	2116.2	2166.1	2163.3	2218.7	2207.7	2252.0	2252.0	2285.2	2282.4
52.5°	1955.6	2008.2	2060.8	2060.8	2116.2	2105.2	2155.0	2152.3	2185.5	2185.5
55°	1850.3	1897.4	1950.0	1961.1	2013.8	1997.1	2049.8	2055.3	2083.0	2085.8
57.5°	1745.1	1794.9	1847.6	1861.4	1911.3	1900.2	1950.0	1955.6	1983.3	1986.1
60°	1639.8	1686.9	1739.5	1758.9	1808.8	1797.7	1847.6	1853.1	1883.6	1886.3
62.5°	1534.6	1581.6	1639.8	1659.2	1706.3	1698.0	1750.6	1756.2	1783.9	1789.4
65°	1432.1	1481.9	1537.3	1565.0	1609.3	1598.3	1650.9	1656.4	1686.9	1689.7
67.5°	1332.3	1382.2	1437.6	1468.1	1509.6	1504.1	1553.9	1565.0	1590.0	1595.5
70°	1235.4	1285.3	1343.4	1373.9	1415.4	1412.7	1459.8	1468.1	1495.8	1498.5
72.5°	1141.2	1191.1	1249.2	1285.3	1321.3	1318.5	1365.6	1376.7	1404.4	1407.1
75°	1049.8	1102.4	1157.8	1196.6	1232.6	1229.9	1276.9	1288.0	1313.0	1315.7
77.5°	963.9	1016.6	1074.7	1113.5	1144.0	1146.8	1188.3	1199.4	1224.3	1232.6
80°	883.6	933.5	988.9	1030.4	1058.1	1063.7	1102.4	1116.3	1135.7	1146.8
82.5°	806.1	855.9	911.3	950.1	977.8	983.3	1019.3	1036.0	1055.4	1063.7
85°	731.3	781.1	833.8	875.3	900.2	903.0	939.0	955.6	972.3	986.1
87.5°	659.2	709.1	759.0	803.3	825.4	831.0	864.2	880.8	894.7	908.5
90°	587.2	637.1	686.9	728.5	750.7	753.4	789.4	806.1	819.9	831.0
92.5°	520.8	570.6	620.5	662.0	681.4	686.9	717.4	736.8	747.9	759.0
95°	457.0	506.9	551.2	595.5	614.9	623.2	650.9	667.6	681.4	686.9
97.5°	401.6	446.0	487.5	531.8	548.5	556.8	584.5	603.9	614.9	620.5
100°	349.0	390.6	429.3	470.9	487.5	495.8	520.8	537.4	548.5	556.8
102.5°	301.9	340.7	376.7	415.5	432.1	437.7	459.8	476.4	487.5	495.8
105°	260.4	296.4	329.6	365.6	379.5	387.8	407.2	421.0	432.1	437.7
107.5°	221.6	257.6	285.3	318.5	332.4	337.9	357.3	373.9	382.3	385.0
110°	188.4	218.8	246.5	274.2	290.8	296.4	313.0	326.9	335.2	337.9



TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	157.9	185.6	210.5	235.4	249.3	254.8	271.5	285.3	290.8	293.6
115°	130.2	157.9	177.3	202.2	213.3	218.8	232.7	246.5	249.3	254.8
117.5°	105.3	130.2	149.6	169.0	180.0	185.6	196.7	207.7	213.3	216.1
120°	85.9	105.3	121.9	141.3	149.6	155.1	166.2	177.3	180.0	182.8
122.5°	69.2	85.9	99.7	116.3	124.6	130.2	138.5	146.8	149.6	152.3
125°	52.6	69.2	80.3	94.2	102.5	105.3	113.6	121.9	124.6	127.4
127.5°	41.5	52.6	63.7	74.8	80.3	83.1	91.4	96.9	99.7	102.5
130°	30.5	38.8	47.1	58.2	63.7	66.5	72.0	77.6	80.3	80.3
132.5°	22.2	30.5	36.0	44.3	47.1	49.9	55.4	60.9	60.9	63.7
135°	13.8	19.4	24.9	30.5	36.0	36.0	41.5	44.3	47.1	47.1
137.5°	11.1	13.8	16.6	22.2	24.9	27.7	27.7	33.2	33.2	33.2
140°	8.3	11.1	11.1	13.8	16.6	19.4	19.4	22.2	22.2	22.2
142.5°	5.5	8.3	8.3	11.1	11.1	13.8	13.8	13.8	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



TEST NUMBER: P894543
 CATALOG NUMBER: 8TMB-12SL-RND-UNV-L840

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	21.07	21.56	20.65	22.19	21.12	22.64	23.13
	3H	20.76	22.16	21.24	22.63	23.15	23.28	24.68	23.76	25.15	25.67
	4H	21.35	22.68	21.86	23.17	23.71	24.59	25.92	25.09	26.40	26.94
	6H	21.75	22.99	22.27	23.49	24.05	25.99	27.23	26.51	27.73	28.29
	8H	21.87	23.06	22.40	23.58	24.14	26.74	27.93	27.27	28.45	29.01
	12H	21.95	23.09	22.48	23.60	24.19	27.59	28.73	28.13	29.25	29.84
4H	2H	20.01	21.34	20.51	21.82	22.36	21.20	22.53	21.71	23.02	23.56
	3H	21.99	23.12	22.50	23.65	24.21	24.12	25.25	24.64	25.78	26.35
	4H	22.76	23.80	23.30	24.34	24.94	25.64	26.68	26.18	27.22	27.82
	6H	23.34	24.26	23.90	24.83	25.44	27.29	28.21	27.84	28.77	29.38
	8H	23.52	24.39	24.09	24.96	25.58	28.17	29.03	28.73	29.60	30.22
	12H	23.65	24.44	24.23	25.03	25.66	29.17	29.96	29.75	30.55	31.18
8H	4H	23.64	24.51	24.20	25.07	25.69	26.00	26.87	26.57	27.43	28.06
	6H	24.52	25.26	25.12	25.86	26.49	27.91	28.64	28.50	29.25	29.88
	8H	24.87	25.54	25.48	26.15	26.79	28.99	29.65	29.59	30.27	30.91
	12H	25.14	25.74	25.75	26.34	27.05	30.25	30.85	30.86	31.45	32.16
12H	4H	23.92	24.71	24.50	25.30	25.93	26.05	26.83	26.63	27.43	28.05
	6H	24.97	25.64	25.58	26.25	26.89	28.01	28.68	28.62	29.30	29.94
	8H	25.49	26.09	26.10	26.69	27.40	29.21	29.81	29.82	30.41	31.12