

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: P894495

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

Issue Date: 11/11/2024

**Test Information**

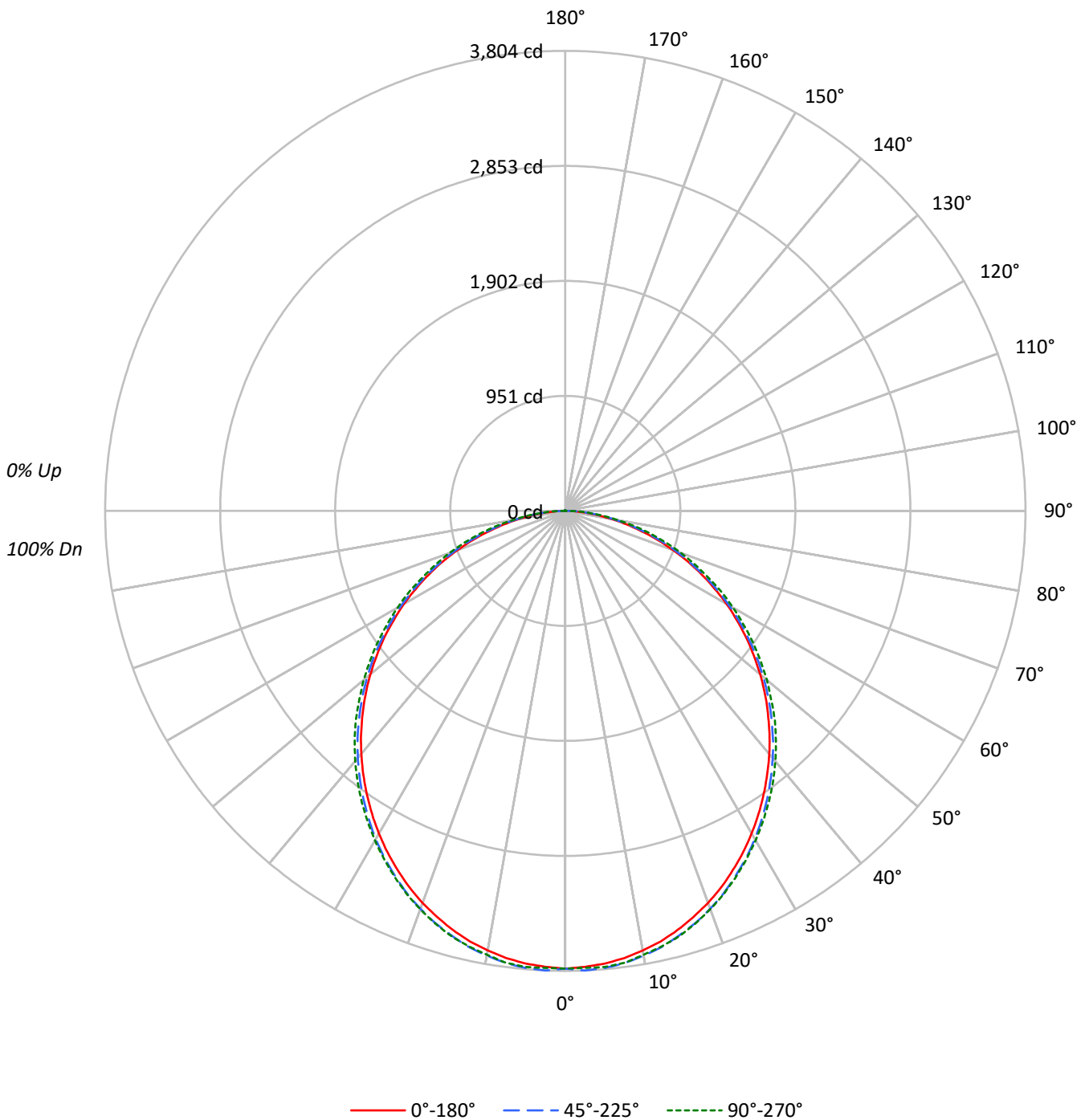
Test Method: LM-79-2019  
Report Number: P894495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-12SL-FLT-UNV-L840  
Description: 12000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10506.1 lumens  
Efficiency: N/A  
Efficacy: 118.3 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): 88.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P894495  
CATALOG NUMBER: 8TMB-12SL-FLT-UNV-L840

### 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°	13429	13429	13429
5°	13381	13509	13480
10°	13296	13456	13426
15°	13180	13353	13373
20°	13024	13223	13234
25°	12832	13038	13070
30°	12623	12838	12895
35°	12385	12601	12709
40°	12153	12358	12512
45°	11887	12081	12290
50°	11608	11791	12005
55°	11294	11466	11706
60°	10932	11109	11364
65°	10444	10653	10933
70°	9830	10118	10577
75°	9040	9419	10027
80°	7983	8604	9058
85°	6880	7894	8460

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12290 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.9	3.4
10°-20°	1020.1	9.7
20°-30°	1528.6	14.5
30°-40°	1818.9	17.3
40°-50°	1866.3	17.8
50°-60°	1672.0	15.9
60°-70°	1270.4	12.1
70°-80°	738.4	7.0
80°-90°	221.6	2.1
90°-100°	5.3	0.1
100°-110°	0.9	0.0
110°-120°	0.0	0.0
120°-130°	0.4	0.0
130°-140°	1.1	0.0
140°-150°	1.7	0.0
150°-160°	1.3	0.0
160°-170°	0.8	0.0
170°-180°	0.4	0.0
0°-30°	2906.6	27.7
0°-40°	4725.4	45.0
0°-60°	8263.7	78.7
0°-90°	10494.1	99.9
90°-120°	6.3	0.1
90°-150°	9.5	0.1
90°-180°	12.0	0.1
0°-180°	10506.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3785	3785	3785	3785	3785	
5°	3757	3821	3793	3774	3785	357
15°	3588	3657	3635	3630	3641	1012
25°	3278	3352	3330	3325	3339	1510
35°	2859	2928	2909	2918	2934	1789
45°	2369	2427	2408	2427	2449	1828
55°	1826	1870	1854	1876	1892	1631
65°	1244	1274	1269	1291	1302	1231
75°	659	684	687	712	731	699
85°	169	183	194	208	208	185
90°	3	11	11	19	17	12
95°	0	3	3	6	8	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: P894495  
 CATALOG NUMBER: 8TMB-12SL-FLT-UNV-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7
2.5°	3773.6	3768.0	3773.6	3770.8	3798.5	3831.8	3826.2	3801.3	3773.6	3781.9	3804.1
5°	3757.0	3754.2	3762.5	3757.0	3784.7	3820.7	3809.6	3787.4	3762.5	3770.8	3793.0
7.5°	3729.3	3729.3	3740.3	3734.8	3759.7	3795.7	3784.7	3765.3	3740.3	3748.6	3770.8
10°	3690.5	3693.2	3707.1	3698.8	3720.9	3759.7	3748.6	3729.3	3707.1	3712.6	3734.8
12.5°	3646.1	3646.1	3662.8	3654.4	3676.6	3712.6	3698.8	3684.9	3662.8	3668.3	3693.2
15°	3588.0	3590.7	3610.1	3601.8	3621.2	3657.2	3643.4	3632.3	3612.9	3615.7	3635.1
17.5°	3521.5	3529.8	3549.2	3540.8	3560.2	3596.3	3579.6	3568.6	3551.9	3554.7	3574.1
20°	3449.4	3457.7	3477.1	3471.6	3485.4	3521.5	3504.8	3499.3	3482.7	3485.4	3502.1
22.5°	3369.1	3377.4	3399.5	3394.0	3407.9	3443.9	3424.5	3421.7	3405.1	3407.9	3421.7
25°	3277.6	3288.7	3313.7	3308.1	3319.2	3352.4	3335.8	3330.3	3319.2	3319.2	3330.3
27.5°	3183.4	3194.5	3222.2	3213.9	3222.2	3258.2	3238.9	3236.1	3225.0	3225.0	3236.1
30°	3080.9	3092.0	3122.5	3114.2	3122.5	3153.0	3133.6	3136.3	3125.3	3125.3	3133.6
32.5°	2972.9	2981.2	3014.4	3008.9	3014.4	3044.9	3025.5	3028.3	3017.2	3020.0	3022.7
35°	2859.3	2867.6	2903.6	2898.1	2900.8	2928.5	2914.7	2914.7	2906.4	2903.6	2909.1
37.5°	2742.9	2751.2	2795.6	2781.7	2781.7	2809.4	2798.3	2798.3	2790.0	2787.2	2790.0
40°	2623.8	2629.3	2676.4	2662.6	2659.8	2684.7	2676.4	2676.4	2670.9	2665.3	2668.1
42.5°	2499.1	2507.4	2554.5	2543.4	2532.3	2560.1	2551.7	2554.5	2546.2	2540.7	2540.7
45°	2368.9	2377.2	2424.3	2418.7	2402.1	2427.1	2418.7	2424.3	2413.2	2407.7	2407.7
47.5°	2238.7	2249.7	2294.1	2285.8	2269.1	2294.1	2285.8	2291.3	2280.2	2274.7	2274.7
50°	2102.9	2114.0	2161.1	2147.2	2130.6	2155.5	2150.0	2152.8	2144.5	2138.9	2136.1
52.5°	1964.4	1978.2	2022.6	2005.9	1992.1	2014.2	2011.5	2014.2	2003.2	2000.4	1997.6
55°	1825.8	1839.7	1881.2	1861.9	1850.8	1870.2	1864.6	1870.2	1859.1	1856.3	1853.5
57.5°	1681.8	1695.6	1734.4	1715.0	1706.7	1723.3	1720.6	1723.3	1715.0	1712.2	1709.5
60°	1540.5	1551.5	1587.6	1568.2	1559.9	1576.5	1570.9	1579.3	1568.2	1568.2	1565.4
62.5°	1390.9	1404.7	1440.7	1418.6	1413.0	1426.9	1421.3	1429.6	1424.1	1418.6	1415.8
65°	1244.0	1252.3	1285.6	1266.2	1257.9	1274.5	1271.7	1277.3	1268.9	1271.7	1268.9
67.5°	1097.2	1102.7	1136.0	1113.8	1108.2	1124.9	1127.6	1124.9	1119.3	1122.1	1119.3
70°	947.6	953.1	980.8	961.4	958.6	972.5	978.0	975.3	969.7	972.5	975.3
72.5°	803.5	806.2	831.2	814.6	811.8	828.4	828.4	828.4	828.4	828.4	834.0
75°	659.4	662.2	684.3	670.5	667.7	684.3	684.3	684.3	684.3	689.9	687.1
77.5°	520.9	518.1	540.3	532.0	526.4	543.0	543.0	545.8	551.4	556.9	548.6
80°	390.7	387.9	404.5	393.4	393.4	410.1	407.3	410.1	415.6	418.4	421.1
82.5°	274.3	268.7	282.6	279.8	277.1	290.9	293.7	290.9	299.2	302.0	302.0
85°	169.0	169.0	177.3	171.8	171.8	182.9	182.9	185.6	191.2	193.9	193.9
87.5°	80.3	77.6	85.9	83.1	80.3	88.7	88.7	91.4	94.2	97.0	94.2
90°	2.8	2.8	5.5	5.5	5.5	11.1	11.1	11.1	13.9	13.9	11.1
92.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	5.5	5.5	5.5	5.5
95°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8



TEST NUMBER: P894495  
 CATALOG NUMBER: 8TMB-12SL-FLT-UNV-L840

**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	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8
132.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	0.0	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	0.0	2.8
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	2.8	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	2.8
157.5°	2.8	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	2.8
162.5°	2.8	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	2.8
167.5°	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
170°	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
172.5°	5.5	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
175°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7	3784.7
2.5°	3770.8	3751.4	3743.1	3748.6	3787.4	3748.6	3790.2	3804.1	3754.2	3781.9
5°	3759.7	3740.3	3729.3	3734.8	3773.6	3737.6	3781.9	3798.5	3757.0	3784.7
7.5°	3737.6	3715.4	3709.9	3718.2	3751.4	3720.9	3765.3	3781.9	3740.3	3768.0
10°	3704.3	3684.9	3679.4	3687.7	3718.2	3687.7	3726.5	3740.3	3701.5	3726.5
12.5°	3662.8	3643.4	3637.8	3648.9	3676.6	3648.9	3687.7	3701.5	3662.8	3687.7
15°	3610.1	3590.7	3588.0	3604.6	3629.5	3604.6	3643.4	3654.4	3615.7	3640.6
17.5°	3546.4	3527.0	3529.8	3549.2	3568.6	3546.4	3582.4	3593.5	3557.5	3576.9
20°	3477.1	3455.0	3460.5	3477.1	3493.7	3471.6	3507.6	3518.7	3485.4	3504.8
22.5°	3396.8	3374.6	3380.2	3399.5	3410.6	3391.2	3424.5	3435.6	3407.9	3427.3
25°	3308.1	3288.7	3297.0	3316.4	3324.7	3308.1	3338.6	3346.9	3322.0	3338.6
27.5°	3219.5	3197.3	3208.4	3227.8	3233.3	3216.7	3247.2	3252.7	3227.8	3244.4
30°	3119.7	3097.6	3111.4	3133.6	3133.6	3122.5	3147.4	3153.0	3133.6	3147.4
32.5°	3008.9	2992.3	3008.9	3028.3	3025.5	3017.2	3042.1	3047.7	3031.1	3042.1
35°	2898.1	2884.2	2900.8	2920.2	2917.5	2909.1	2934.1	2936.9	2923.0	2934.1
37.5°	2784.5	2773.4	2790.0	2806.6	2801.1	2795.6	2817.7	2817.7	2809.4	2820.5
40°	2668.1	2657.0	2670.9	2690.3	2679.2	2679.2	2693.0	2698.6	2690.3	2701.4
42.5°	2546.2	2535.1	2551.7	2568.4	2557.3	2554.5	2571.1	2573.9	2568.4	2576.7
45°	2418.7	2407.7	2424.3	2438.1	2427.1	2427.1	2440.9	2440.9	2438.1	2449.2
47.5°	2288.5	2280.2	2294.1	2307.9	2296.8	2305.2	2305.2	2305.2	2310.7	2307.9
50°	2155.5	2147.2	2158.3	2174.9	2161.1	2163.9	2169.4	2169.4	2172.2	2174.9
52.5°	2017.0	2005.9	2017.0	2036.4	2017.0	2025.3	2028.1	2030.9	2039.2	2033.6
55°	1878.5	1867.4	1878.5	1895.1	1875.7	1886.8	1886.8	1889.6	1897.9	1892.3
57.5°	1734.4	1723.3	1739.9	1751.0	1731.6	1742.7	1742.7	1748.3	1753.8	1745.5
60°	1590.3	1582.0	1587.6	1607.0	1587.6	1598.6	1598.6	1598.6	1609.7	1601.4
62.5°	1443.5	1438.0	1443.5	1460.1	1440.7	1451.8	1449.0	1451.8	1462.9	1460.1
65°	1293.9	1288.3	1293.9	1310.5	1291.1	1302.2	1302.2	1305.0	1313.3	1302.2
67.5°	1147.0	1138.7	1147.0	1160.9	1144.3	1152.6	1152.6	1152.6	1166.4	1160.9
70°	997.4	991.9	997.4	1011.3	997.4	1003.0	1003.0	1003.0	1016.8	1019.6
72.5°	850.6	850.6	856.1	867.2	856.1	867.2	858.9	853.4	872.7	875.5
75°	706.5	709.3	712.0	723.1	712.0	723.1	717.6	712.0	728.7	731.4
77.5°	573.5	573.5	576.3	584.6	576.3	584.6	579.1	579.1	590.1	587.4
80°	437.8	437.8	440.5	448.8	440.5	448.8	443.3	443.3	454.4	443.3
82.5°	318.6	318.6	318.6	326.9	321.4	326.9	324.2	318.6	332.5	321.4
85°	205.0	207.8	207.8	210.6	207.8	210.6	210.6	207.8	216.1	207.8
87.5°	105.3	105.3	105.3	108.1	105.3	105.3	108.1	105.3	110.8	108.1
90°	19.4	16.6	16.6	22.2	19.4	19.4	22.2	16.6	19.4	16.6
92.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.1	11.1
95°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	8.3
97.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
100°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8
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	2.8	0.0	0.0	0.0	2.8





TEST NUMBER: P894495  
 CATALOG NUMBER: 8TMB-12SL-FLT-UNV-L840

**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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	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°	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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	2.8
177.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P894495  
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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	20.53	22.17	20.90	22.48	22.80	20.67	22.30	21.03	22.62	22.94
	3H	22.35	23.84	22.73	24.16	24.53	22.50	23.98	22.88	24.31	24.67
	4H	23.01	24.41	23.41	24.76	25.14	23.21	24.60	23.61	24.95	25.33
	6H	23.47	24.76	23.88	25.13	25.52	23.76	25.06	24.18	25.43	25.82
	8H	23.61	24.84	24.03	25.23	25.64	23.96	25.20	24.39	25.59	25.99
	12H	23.70	24.89	24.13	25.27	25.70	24.10	25.29	24.53	25.67	26.10
4H	2H	21.16	22.56	21.56	22.91	23.29	21.27	22.67	21.67	23.02	23.40
	3H	23.21	24.38	23.62	24.78	25.18	23.34	24.51	23.75	24.91	25.31
	4H	24.00	25.06	24.43	25.48	25.91	24.18	25.25	24.62	25.66	26.10
	6H	24.57	25.50	25.03	25.95	26.40	24.88	25.81	25.33	26.25	26.71
	8H	24.76	25.63	25.23	26.08	26.55	25.12	25.99	25.58	26.44	26.90
	12H	24.91	25.69	25.39	26.17	26.64	25.32	26.10	25.80	26.57	27.05
8H	4H	24.33	25.20	24.79	25.64	26.11	24.49	25.36	24.96	25.81	26.27
	6H	25.03	25.76	25.53	26.24	26.72	25.32	26.04	25.81	26.53	27.01
	8H	25.29	25.94	25.80	26.45	26.94	25.65	26.30	26.16	26.81	27.30
	12H	25.51	26.09	26.02	26.58	27.14	25.93	26.51	26.44	27.00	27.56
12H	4H	24.37	25.15	24.85	25.63	26.10	24.53	25.31	25.01	25.79	26.26
	6H	25.10	25.75	25.61	26.26	26.75	25.38	26.03	25.89	26.53	27.02
	8H	25.43	26.00	25.94	26.49	27.06	25.77	26.35	26.28	26.84	27.40