

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: P895395

Luminaire Tested: 8TMB-SC3-FLT-UNV-CC93-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895395
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-CC93-HI-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

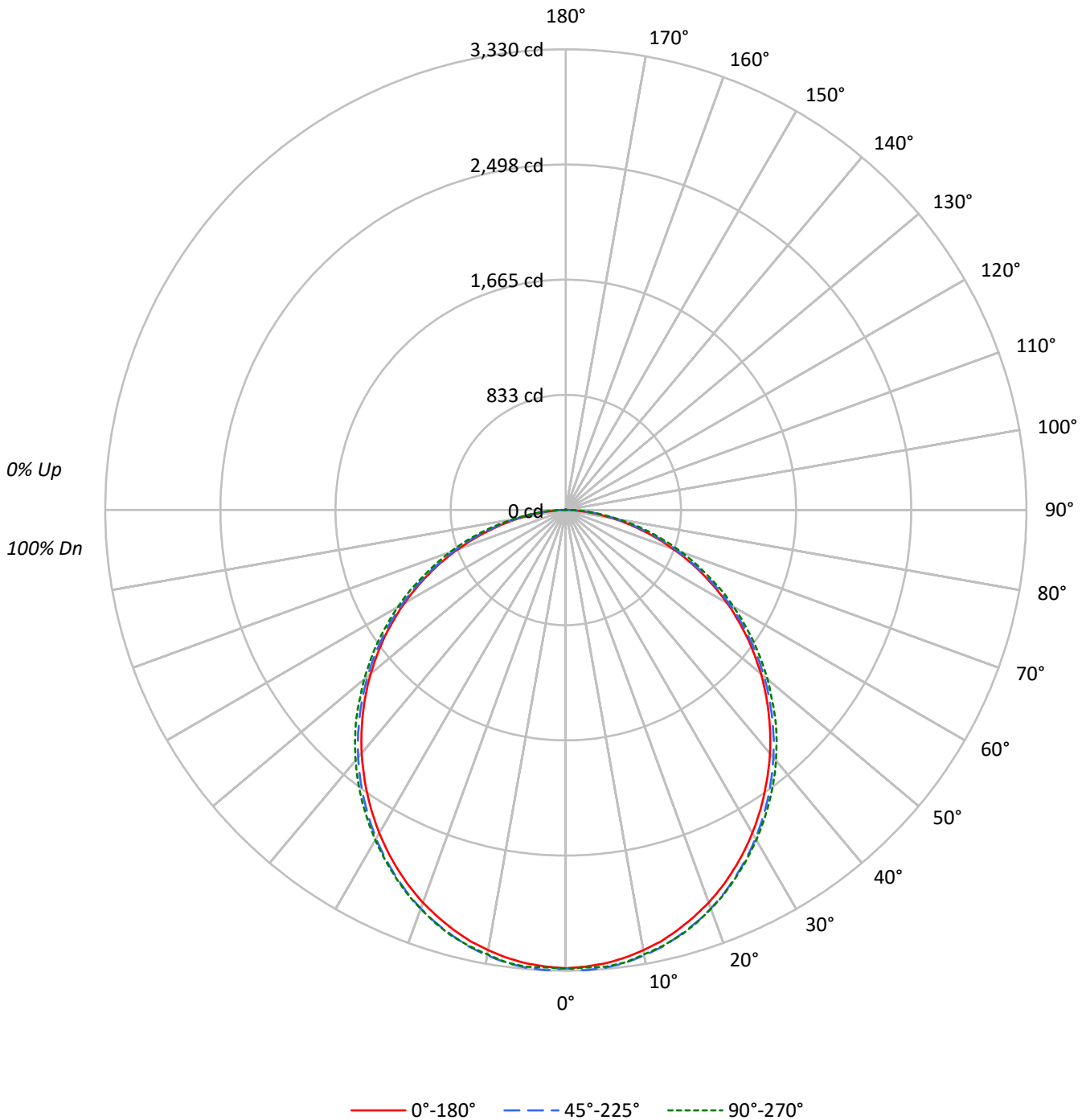
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9196.0 lumens
Efficiency: N/A
Efficacy: 90.7 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

TEST NUMBER: P895395
CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-HI-4000K

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	100				100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83				83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69				69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58				58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50				50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43				43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38				38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30				30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11754	11754	11754
5°	11713	11825	11799
10°	11638	11778	11752
15°	11536	11688	11705
20°	11400	11574	11584
25°	11232	11412	11441
30°	11049	11237	11287
35°	10841	11030	11124
40°	10637	10817	10952
45°	10404	10575	10757
50°	10161	10321	10508
55°	9886	10036	10246
60°	9569	9723	9947
65°	9142	9325	9569
70°	8604	8856	9259
75°	7913	8245	8776
80°	6986	7532	7928
85°	6021	6913	7405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10757 cd/sqm



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 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-HI-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.3	3.4
10°-20°	892.9	9.7
20°-30°	1338.0	14.5
30°-40°	1592.1	17.3
40°-50°	1633.6	17.8
50°-60°	1463.5	15.9
60°-70°	1112.0	12.1
70°-80°	646.3	7.0
80°-90°	193.9	2.1
90°-100°	4.6	0.1
100°-110°	0.8	0.0
110°-120°	0.0	0.0
120°-130°	0.4	0.0
130°-140°	1.0	0.0
140°-150°	1.5	0.0
150°-160°	1.1	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2544.2	27.7
0°-40°	4136.2	45.0
0°-60°	7233.3	78.7
0°-90°	9185.6	99.9
90°-120°	5.5	0.1
90°-150°	8.2	0.1
90°-180°	10.0	0.1
0°-180°	9196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3313	3313	3313	3313	3313	
5°	3288	3344	3320	3303	3313	312
15°	3141	3201	3182	3177	3187	886
25°	2869	2934	2915	2910	2922	1322
35°	2503	2563	2546	2554	2568	1566
45°	2074	2124	2108	2124	2144	1600
55°	1598	1637	1622	1642	1656	1428
65°	1089	1116	1111	1130	1140	1078
75°	577	599	601	623	640	612
85°	148	160	170	182	182	162
90°	2	10	10	17	15	10
95°	0	2	2	5	7	0
105°	0	0	0	2	2	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	2	0	0	1
145°	2	2	2	2	2	2
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	5	5	5	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P895395
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8
2.5°	3303.1	3298.2	3303.1	3300.6	3324.9	3354.0	3349.1	3327.3	3303.1	3310.3	3329.7
5°	3288.5	3286.1	3293.4	3288.5	3312.8	3344.3	3334.6	3315.2	3293.4	3300.6	3320.0
7.5°	3264.2	3264.2	3273.9	3269.1	3290.9	3322.5	3312.8	3295.8	3273.9	3281.2	3300.6
10°	3230.3	3232.7	3244.8	3237.6	3257.0	3290.9	3281.2	3264.2	3244.8	3249.7	3269.1
12.5°	3191.5	3191.5	3206.0	3198.8	3218.2	3249.7	3237.6	3225.4	3206.0	3210.9	3232.7
15°	3140.6	3143.0	3160.0	3152.7	3169.7	3201.2	3189.1	3179.4	3162.4	3164.8	3181.8
17.5°	3082.4	3089.6	3106.6	3099.3	3116.3	3147.8	3133.3	3123.6	3109.0	3111.5	3128.4
20°	3019.3	3026.6	3043.6	3038.7	3050.8	3082.4	3067.8	3063.0	3048.4	3050.8	3065.4
22.5°	2949.0	2956.3	2975.7	2970.8	2982.9	3014.5	2997.5	2995.1	2980.5	2982.9	2995.1
25°	2868.9	2878.7	2900.5	2895.6	2905.3	2934.4	2919.9	2915.0	2905.3	2905.3	2915.0
27.5°	2786.5	2796.2	2820.4	2813.2	2820.4	2852.0	2835.0	2832.6	2822.9	2822.9	2832.6
30°	2696.8	2706.5	2733.1	2725.9	2733.1	2759.8	2742.8	2745.3	2735.6	2735.6	2742.8
32.5°	2602.2	2609.5	2638.6	2633.7	2638.6	2665.2	2648.3	2650.7	2641.0	2643.4	2645.8
35°	2502.8	2510.0	2541.6	2536.7	2539.1	2563.4	2551.3	2551.3	2544.0	2541.6	2546.4
37.5°	2400.9	2408.2	2447.0	2434.8	2434.8	2459.1	2449.4	2449.4	2442.1	2439.7	2442.1
40°	2296.6	2301.5	2342.7	2330.6	2328.1	2350.0	2342.7	2342.7	2337.8	2333.0	2335.4
42.5°	2187.5	2194.8	2236.0	2226.3	2216.6	2240.8	2233.6	2236.0	2228.7	2223.9	2223.9
45°	2073.5	2080.8	2122.0	2117.2	2102.6	2124.4	2117.2	2122.0	2112.3	2107.5	2107.5
47.5°	1959.5	1969.2	2008.0	2000.7	1986.2	2008.0	2000.7	2005.6	1995.9	1991.0	1991.0
50°	1840.7	1850.4	1891.6	1879.5	1864.9	1886.8	1881.9	1884.3	1877.1	1872.2	1869.8
52.5°	1719.4	1731.6	1770.4	1755.8	1743.7	1763.1	1760.7	1763.1	1753.4	1751.0	1748.5
55°	1598.2	1610.3	1646.7	1629.7	1620.0	1637.0	1632.1	1637.0	1627.3	1624.8	1622.4
57.5°	1472.1	1484.2	1518.1	1501.2	1493.9	1508.4	1506.0	1508.4	1501.2	1498.7	1496.3
60°	1348.4	1358.1	1389.6	1372.6	1365.4	1379.9	1375.1	1382.3	1372.6	1372.6	1370.2
62.5°	1217.4	1229.5	1261.1	1241.7	1236.8	1249.0	1244.1	1251.4	1246.5	1241.7	1239.3
65°	1088.9	1096.2	1125.3	1108.3	1101.0	1115.6	1113.1	1118.0	1110.7	1113.1	1110.7
67.5°	960.4	965.2	994.3	974.9	970.1	984.6	987.0	984.6	979.8	982.2	979.8
70°	829.4	834.3	858.5	841.5	839.1	851.2	856.1	853.7	848.8	851.2	853.7
72.5°	703.3	705.7	727.5	713.0	710.6	725.1	725.1	725.1	725.1	725.1	730.0
75°	577.2	579.6	599.0	586.9	584.5	599.0	599.0	599.0	599.0	603.9	601.4
77.5°	455.9	453.5	472.9	465.6	460.8	475.3	475.3	477.8	482.6	487.5	480.2
80°	341.9	339.5	354.1	344.4	344.4	358.9	356.5	358.9	363.8	366.2	368.6
82.5°	240.1	235.2	247.4	244.9	242.5	254.6	257.1	254.6	261.9	264.3	264.3
85°	147.9	147.9	155.2	150.4	150.4	160.1	160.1	162.5	167.3	169.8	169.8
87.5°	70.3	67.9	75.2	72.8	70.3	77.6	77.6	80.0	82.5	84.9	82.5
90°	2.4	2.4	4.9	4.9	4.9	9.7	9.7	9.7	12.1	12.1	9.7
92.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	4.9	4.9	4.9	4.9
95°	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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	2.4



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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	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4
132.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
135°	0.0	2.4	2.4	2.4	2.4	0.0	2.4	0.0	0.0	0.0	2.4
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
157.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
167.5°	4.9	4.9	4.9	4.9	4.9	2.4	2.4	2.4	2.4	2.4	2.4
170°	4.9	4.9	4.9	4.9	4.9	2.4	2.4	2.4	2.4	2.4	2.4
172.5°	4.9	4.9	4.9	4.9	4.9	2.4	2.4	2.4	2.4	2.4	2.4
175°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	2.4	4.9	4.9
177.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8	3312.8
2.5°	3300.6	3283.7	3276.4	3281.2	3315.2	3281.2	3317.6	3329.7	3286.1	3310.3
5°	3290.9	3273.9	3264.2	3269.1	3303.1	3271.5	3310.3	3324.9	3288.5	3312.8
7.5°	3271.5	3252.1	3247.3	3254.5	3283.7	3257.0	3295.8	3310.3	3273.9	3298.2
10°	3242.4	3225.4	3220.6	3227.9	3254.5	3227.9	3261.8	3273.9	3240.0	3261.8
12.5°	3206.0	3189.1	3184.2	3193.9	3218.2	3193.9	3227.9	3240.0	3206.0	3227.9
15°	3160.0	3143.0	3140.6	3155.1	3176.9	3155.1	3189.1	3198.8	3164.8	3186.6
17.5°	3104.2	3087.2	3089.6	3106.6	3123.6	3104.2	3135.7	3145.4	3113.9	3130.9
20°	3043.6	3024.2	3029.0	3043.6	3058.1	3038.7	3070.2	3079.9	3050.8	3067.8
22.5°	2973.2	2953.8	2958.7	2975.7	2985.4	2968.4	2997.5	3007.2	2982.9	2999.9
25°	2895.6	2878.7	2885.9	2902.9	2910.2	2895.6	2922.3	2929.6	2907.8	2922.3
27.5°	2818.0	2798.6	2808.3	2825.3	2830.1	2815.6	2842.3	2847.1	2825.3	2839.8
30°	2730.7	2711.3	2723.4	2742.8	2742.8	2733.1	2755.0	2759.8	2742.8	2755.0
32.5°	2633.7	2619.2	2633.7	2650.7	2648.3	2641.0	2662.8	2667.7	2653.1	2662.8
35°	2536.7	2524.6	2539.1	2556.1	2553.7	2546.4	2568.2	2570.7	2558.5	2568.2
37.5°	2437.3	2427.6	2442.1	2456.7	2451.8	2447.0	2466.4	2466.4	2459.1	2468.8
40°	2335.4	2325.7	2337.8	2354.8	2345.1	2345.1	2357.2	2362.1	2354.8	2364.5
42.5°	2228.7	2219.0	2233.6	2248.1	2238.4	2236.0	2250.5	2253.0	2248.1	2255.4
45°	2117.2	2107.5	2122.0	2134.1	2124.4	2124.4	2136.6	2136.6	2134.1	2143.8
47.5°	2003.2	1995.9	2008.0	2020.1	2010.4	2017.7	2017.7	2017.7	2022.6	2020.1
50°	1886.8	1879.5	1889.2	1903.7	1891.6	1894.0	1898.9	1898.9	1901.3	1903.7
52.5°	1765.5	1755.8	1765.5	1782.5	1765.5	1772.8	1775.2	1777.6	1784.9	1780.1
55°	1644.3	1634.5	1644.3	1658.8	1641.8	1651.5	1651.5	1654.0	1661.2	1656.4
57.5°	1518.1	1508.4	1523.0	1532.7	1515.7	1525.4	1525.4	1530.3	1535.1	1527.8
60°	1392.0	1384.8	1389.6	1406.6	1389.6	1399.3	1399.3	1399.3	1409.0	1401.7
62.5°	1263.5	1258.7	1263.5	1278.1	1261.1	1270.8	1268.4	1270.8	1280.5	1278.1
65°	1132.5	1127.7	1132.5	1147.1	1130.1	1139.8	1139.8	1142.2	1149.5	1139.8
67.5°	1004.0	996.7	1004.0	1016.1	1001.6	1008.9	1008.9	1008.9	1021.0	1016.1
70°	873.1	868.2	873.1	885.2	873.1	877.9	877.9	877.9	890.0	892.5
72.5°	744.5	744.5	749.4	759.1	749.4	759.1	751.8	746.9	763.9	766.3
75°	618.4	620.8	623.3	633.0	623.3	633.0	628.1	623.3	637.8	640.2
77.5°	502.0	502.0	504.4	511.7	504.4	511.7	506.9	506.9	516.6	514.1
80°	383.2	383.2	385.6	392.9	385.6	392.9	388.0	388.0	397.7	388.0
82.5°	278.9	278.9	278.9	286.2	281.3	286.2	283.7	278.9	291.0	281.3
85°	179.5	181.9	181.9	184.3	181.9	184.3	184.3	181.9	189.2	181.9
87.5°	92.2	92.2	92.2	94.6	92.2	92.2	94.6	92.2	97.0	94.6
90°	17.0	14.6	14.6	19.4	17.0	17.0	19.4	14.6	17.0	14.6
92.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7
95°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3
97.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.9	4.9
100°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
102.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
105°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4
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	2.4	0.0	0.0	0.0	2.4



TEST NUMBER: P895395
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-HI-4000K

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	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.4	2.4	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°	2.4	2.4	2.4	2.4	0.0	2.4	0.0	0.0	0.0	0.0
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
157.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
167.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
170°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
172.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
177.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P895395
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-HI-4000K

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	20.07	21.70	20.43	22.02	22.34	20.20	21.84	20.57	22.16	22.47
	3H	21.89	23.37	22.27	23.70	24.06	22.04	23.52	22.42	23.85	24.21
	4H	22.55	23.95	22.95	24.30	24.68	22.74	24.14	23.14	24.49	24.87
	6H	23.00	24.30	23.42	24.67	25.06	23.30	24.60	23.71	24.96	25.36
	8H	23.14	24.38	23.57	24.77	25.17	23.50	24.73	23.92	25.12	25.53
	12H	23.24	24.43	23.67	24.81	25.24	23.64	24.82	24.07	25.21	25.64
4H	2H	20.70	22.10	21.10	22.45	22.83	20.81	22.21	21.21	22.56	22.93
	3H	22.74	23.91	23.15	24.31	24.72	22.88	24.05	23.29	24.45	24.85
	4H	23.54	24.60	23.97	25.01	25.45	23.72	24.78	24.15	25.20	25.64
	6H	24.11	25.04	24.57	25.48	25.94	24.41	25.34	24.87	25.79	26.24
	8H	24.30	25.17	24.76	25.62	26.08	24.66	25.53	25.12	25.97	26.44
	12H	24.44	25.23	24.93	25.70	26.18	24.85	25.64	25.33	26.11	26.58
8H	4H	23.87	24.73	24.33	25.18	25.65	24.03	24.90	24.49	25.34	25.81
	6H	24.57	25.29	25.06	25.78	26.26	24.86	25.58	25.35	26.07	26.55
	8H	24.83	25.48	25.34	25.99	26.48	25.19	25.84	25.70	26.35	26.83
	12H	25.05	25.62	25.56	26.12	26.68	25.47	26.05	25.98	26.54	27.10
12H	4H	23.91	24.69	24.39	25.17	25.64	24.06	24.85	24.54	25.32	25.79
	6H	24.64	25.29	25.15	25.80	26.29	24.91	25.56	25.42	26.07	26.56
	8H	24.96	25.54	25.47	26.03	26.59	25.31	25.88	25.82	26.38	26.94