

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: P894994

Luminaire Tested: 8TMB-4SL-FLT-UNV-L935

Issue Date: 11/11/2024

**Test Information**

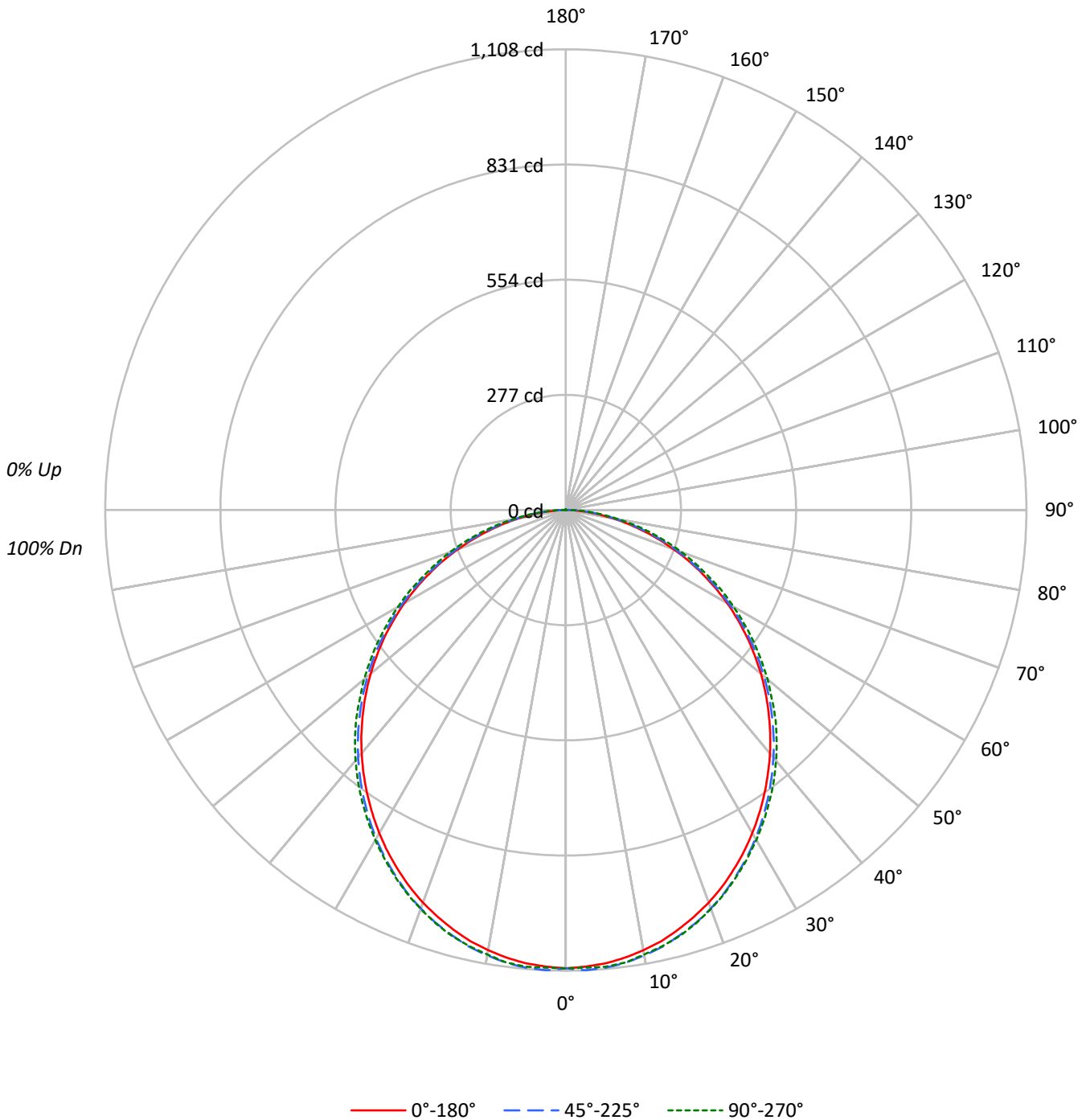
Test Method: LM-79-2019  
Report Number: P894994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-4SL-FLT-UNV-L935  
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3060.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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): 27.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 4.5  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-4SL-FLT-UNV-L935

### 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°	3911	3911	3911
5°	3898	3935	3926
10°	3873	3919	3911
15°	3839	3889	3895
20°	3794	3851	3854
25°	3738	3797	3807
30°	3677	3739	3756
35°	3607	3670	3702
40°	3540	3599	3644
45°	3462	3519	3580
50°	3381	3434	3497
55°	3290	3340	3410
60°	3184	3235	3310
65°	3042	3103	3184
70°	2863	2947	3081
75°	2633	2743	2920
80°	2325	2507	2638
85°	2003	2300	2463

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 3580 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.2	3.4
10°-20°	297.1	9.7
20°-30°	445.2	14.6
30°-40°	529.8	17.3
40°-50°	543.6	17.8
50°-60°	487.0	15.9
60°-70°	370.0	12.1
70°-80°	215.1	7.0
80°-90°	64.5	2.1
90°-100°	1.5	0.0
100°-110°	0.3	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.3	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	846.6	27.7
0°-40°	1376.3	45.0
0°-60°	2406.9	78.7
0°-90°	3056.5	99.9
90°-120°	1.8	0.1
90°-150°	2.7	0.1
90°-180°	3.0	0.1
0°-180°	3060.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1094	1113	1105	1099	1102	104
15°	1045	1065	1059	1057	1060	295
25°	955	976	970	968	972	440
35°	833	853	847	850	855	521
45°	690	707	701	707	713	532
55°	532	545	540	546	551	475
65°	362	371	370	376	379	359
75°	192	199	200	207	213	204
85°	49	53	56	60	60	54
90°	1	3	3	6	5	3
95°	0	1	1	2	2	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3
2.5°	1099.1	1097.5	1099.1	1098.3	1106.4	1116.0	1114.4	1107.2	1099.1	1101.5	1108.0
5°	1094.3	1093.5	1095.9	1094.3	1102.3	1112.8	1109.6	1103.1	1095.9	1098.3	1104.8
7.5°	1086.2	1086.2	1089.4	1087.8	1095.1	1105.6	1102.3	1096.7	1089.4	1091.8	1098.3
10°	1074.9	1075.7	1079.7	1077.3	1083.8	1095.1	1091.8	1086.2	1079.7	1081.3	1087.8
12.5°	1062.0	1062.0	1066.8	1064.4	1070.9	1081.3	1077.3	1073.3	1066.8	1068.4	1075.7
15°	1045.0	1045.8	1051.5	1049.1	1054.7	1065.2	1061.2	1057.9	1052.3	1053.1	1058.8
17.5°	1025.7	1028.1	1033.7	1031.3	1037.0	1047.5	1042.6	1039.4	1034.5	1035.4	1041.0
20°	1004.7	1007.1	1012.8	1011.1	1015.2	1025.7	1020.8	1019.2	1014.4	1015.2	1020.0
22.5°	981.3	983.7	990.2	988.5	992.6	1003.1	997.4	996.6	991.8	992.6	996.6
25°	954.7	957.9	965.1	963.5	966.8	976.4	971.6	970.0	966.8	966.8	970.0
27.5°	927.2	930.4	938.5	936.1	938.5	949.0	943.4	942.5	939.3	939.3	942.5
30°	897.4	900.6	909.5	907.0	909.5	918.3	912.7	913.5	910.3	910.3	912.7
32.5°	865.9	868.3	878.0	876.4	878.0	886.9	881.2	882.0	878.8	879.6	880.4
35°	832.8	835.2	845.7	844.1	844.9	853.0	848.9	848.9	846.5	845.7	847.3
37.5°	798.9	801.3	814.2	810.2	810.2	818.3	815.0	815.0	812.6	811.8	812.6
40°	764.2	765.8	779.5	775.5	774.7	782.0	779.5	779.5	777.9	776.3	777.1
42.5°	727.9	730.3	744.0	740.8	737.6	745.6	743.2	744.0	741.6	740.0	740.0
45°	690.0	692.4	706.1	704.5	699.6	706.9	704.5	706.1	702.9	701.3	701.3
47.5°	652.0	655.3	668.2	665.8	660.9	668.2	665.8	667.4	664.1	662.5	662.5
50°	612.5	615.7	629.4	625.4	620.6	627.8	626.2	627.0	624.6	623.0	622.2
52.5°	572.1	576.2	589.1	584.3	580.2	586.7	585.9	586.7	583.4	582.6	581.8
55°	531.8	535.8	547.9	542.3	539.1	544.7	543.1	544.7	541.5	540.7	539.9
57.5°	489.8	493.9	505.2	499.5	497.1	501.9	501.1	501.9	499.5	498.7	497.9
60°	448.7	451.9	462.4	456.7	454.3	459.2	457.6	460.0	456.7	456.7	455.9
62.5°	405.1	409.1	419.6	413.2	411.6	415.6	414.0	416.4	414.8	413.2	412.4
65°	362.3	364.8	374.4	368.8	366.4	371.2	370.4	372.0	369.6	370.4	369.6
67.5°	319.6	321.2	330.9	324.4	322.8	327.6	328.4	327.6	326.0	326.8	326.0
70°	276.0	277.6	285.7	280.0	279.2	283.2	284.9	284.1	282.4	283.2	284.1
72.5°	234.0	234.8	242.1	237.3	236.4	241.3	241.3	241.3	241.3	241.3	242.9
75°	192.1	192.9	199.3	195.3	194.5	199.3	199.3	199.3	199.3	200.9	200.1
77.5°	151.7	150.9	157.4	154.9	153.3	158.2	158.2	159.0	160.6	162.2	159.8
80°	113.8	113.0	117.8	114.6	114.6	119.4	118.6	119.4	121.0	121.9	122.7
82.5°	79.9	78.3	82.3	81.5	80.7	84.7	85.5	84.7	87.2	88.0	88.0
85°	49.2	49.2	51.6	50.0	50.0	53.3	53.3	54.1	55.7	56.5	56.5
87.5°	23.4	22.6	25.0	24.2	23.4	25.8	25.8	26.6	27.4	28.2	27.4
90°	0.8	0.8	1.6	1.6	1.6	3.2	3.2	3.2	4.0	4.0	3.2
92.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6
95°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	0.8



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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	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
132.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
135°	0.0	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.0	0.8
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3
2.5°	1098.3	1092.6	1090.2	1091.8	1103.1	1091.8	1103.9	1108.0	1093.5	1101.5
5°	1095.1	1089.4	1086.2	1087.8	1099.1	1088.6	1101.5	1106.4	1094.3	1102.3
7.5°	1088.6	1082.2	1080.5	1083.0	1092.6	1083.8	1096.7	1101.5	1089.4	1097.5
10°	1078.9	1073.3	1071.7	1074.1	1083.0	1074.1	1085.4	1089.4	1078.1	1085.4
12.5°	1066.8	1061.2	1059.6	1062.8	1070.9	1062.8	1074.1	1078.1	1066.8	1074.1
15°	1051.5	1045.8	1045.0	1049.9	1057.1	1049.9	1061.2	1064.4	1053.1	1060.4
17.5°	1032.9	1027.3	1028.1	1033.7	1039.4	1032.9	1043.4	1046.6	1036.2	1041.8
20°	1012.8	1006.3	1007.9	1012.8	1017.6	1011.1	1021.6	1024.9	1015.2	1020.8
22.5°	989.4	982.9	984.5	990.2	993.4	987.7	997.4	1000.7	992.6	998.2
25°	963.5	957.9	960.3	966.0	968.4	963.5	972.4	974.8	967.6	972.4
27.5°	937.7	931.3	934.5	940.1	941.7	936.9	945.8	947.4	940.1	945.0
30°	908.7	902.2	906.2	912.7	912.7	909.5	916.7	918.3	912.7	916.7
32.5°	876.4	871.5	876.4	882.0	881.2	878.8	886.1	887.7	882.8	886.1
35°	844.1	840.1	844.9	850.6	849.7	847.3	854.6	855.4	851.4	854.6
37.5°	811.0	807.8	812.6	817.5	815.9	814.2	820.7	820.7	818.3	821.5
40°	777.1	773.9	777.9	783.6	780.3	780.3	784.4	786.0	783.6	786.8
42.5°	741.6	738.4	743.2	748.1	744.8	744.0	748.9	749.7	748.1	750.5
45°	704.5	701.3	706.1	710.1	706.9	706.9	710.9	710.9	710.1	713.4
47.5°	666.6	664.1	668.2	672.2	669.0	671.4	671.4	671.4	673.0	672.2
50°	627.8	625.4	628.6	633.5	629.4	630.2	631.9	631.9	632.7	633.5
52.5°	587.5	584.3	587.5	593.1	587.5	589.9	590.7	591.5	593.9	592.3
55°	547.1	543.9	547.1	552.0	546.3	549.6	549.6	550.4	552.8	551.2
57.5°	505.2	501.9	506.8	510.0	504.4	507.6	507.6	509.2	510.8	508.4
60°	463.2	460.8	462.4	468.0	462.4	465.6	465.6	465.6	468.9	466.4
62.5°	420.4	418.8	420.4	425.3	419.6	422.9	422.0	422.9	426.1	425.3
65°	376.9	375.2	376.9	381.7	376.1	379.3	379.3	380.1	382.5	379.3
67.5°	334.1	331.7	334.1	338.1	333.3	335.7	335.7	335.7	339.7	338.1
70°	290.5	288.9	290.5	294.5	290.5	292.1	292.1	292.1	296.2	297.0
72.5°	247.7	247.7	249.4	252.6	249.4	252.6	250.2	248.5	254.2	255.0
75°	205.8	206.6	207.4	210.6	207.4	210.6	209.0	207.4	212.2	213.0
77.5°	167.0	167.0	167.9	170.3	167.9	170.3	168.7	168.7	171.9	171.1
80°	127.5	127.5	128.3	130.7	128.3	130.7	129.1	129.1	132.3	129.1
82.5°	92.8	92.8	92.8	95.2	93.6	95.2	94.4	92.8	96.8	93.6
85°	59.7	60.5	60.5	61.3	60.5	61.3	61.3	60.5	62.9	60.5
87.5°	30.7	30.7	30.7	31.5	30.7	30.7	31.5	30.7	32.3	31.5
90°	5.6	4.8	4.8	6.5	5.6	5.6	6.5	4.8	5.6	4.8
92.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2
95°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
97.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
100°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
102.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
105°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8
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	0.8	0.0	0.0	0.0	0.8





TEST NUMBER: P894994

CATALOG NUMBER: 8TMB-4SL-FLT-UNV-L935

**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	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.8	0.8	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°	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P894994  
 CATALOG NUMBER: 8TMB-4SL-FLT-UNV-L935

**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	16.25	17.88	16.61	18.20	18.52	16.38	18.02	16.75	18.33	18.65
	3H	18.07	19.55	18.45	19.88	20.24	18.21	19.70	18.59	20.02	20.39
	4H	18.73	20.12	19.13	20.47	20.85	18.92	20.32	19.32	20.67	21.04
	6H	19.18	20.48	19.59	20.84	21.24	19.48	20.77	19.89	21.14	21.53
	8H	19.32	20.56	19.75	20.95	21.35	19.67	20.91	20.10	21.30	21.70
	12H	19.42	20.60	19.85	20.99	21.42	19.81	21.00	20.25	21.38	21.82
4H	2H	16.88	18.27	17.28	18.62	19.00	16.99	18.38	17.39	18.73	19.11
	3H	18.92	20.09	19.33	20.49	20.89	19.05	20.23	19.47	20.63	21.03
	4H	19.71	20.77	20.15	21.19	21.63	19.90	20.96	20.33	21.38	21.81
	6H	20.29	21.22	20.74	21.66	22.12	20.59	21.52	21.05	21.96	22.42
	8H	20.48	21.35	20.94	21.79	22.26	20.84	21.71	21.30	22.15	22.62
	12H	20.62	21.40	21.10	21.88	22.35	21.03	21.81	21.51	22.29	22.76
8H	4H	20.04	20.91	20.50	21.36	21.82	20.21	21.08	20.67	21.52	21.99
	6H	20.75	21.47	21.24	21.96	22.44	21.03	21.76	21.53	22.25	22.72
	8H	21.01	21.66	21.52	22.17	22.65	21.36	22.01	21.87	22.52	23.01
	12H	21.22	21.80	21.73	22.29	22.85	21.65	22.22	22.16	22.71	23.28
12H	4H	20.09	20.87	20.57	21.35	21.82	20.24	21.02	20.72	21.50	21.97
	6H	20.82	21.47	21.33	21.97	22.46	21.09	21.74	21.60	22.25	22.74
	8H	21.14	21.72	21.65	22.21	22.77	21.48	22.06	21.99	22.55	23.11