

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: P895398

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895398
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-LOW-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT, LOW lum setting
Light Source: -
Ballast/Driver: -

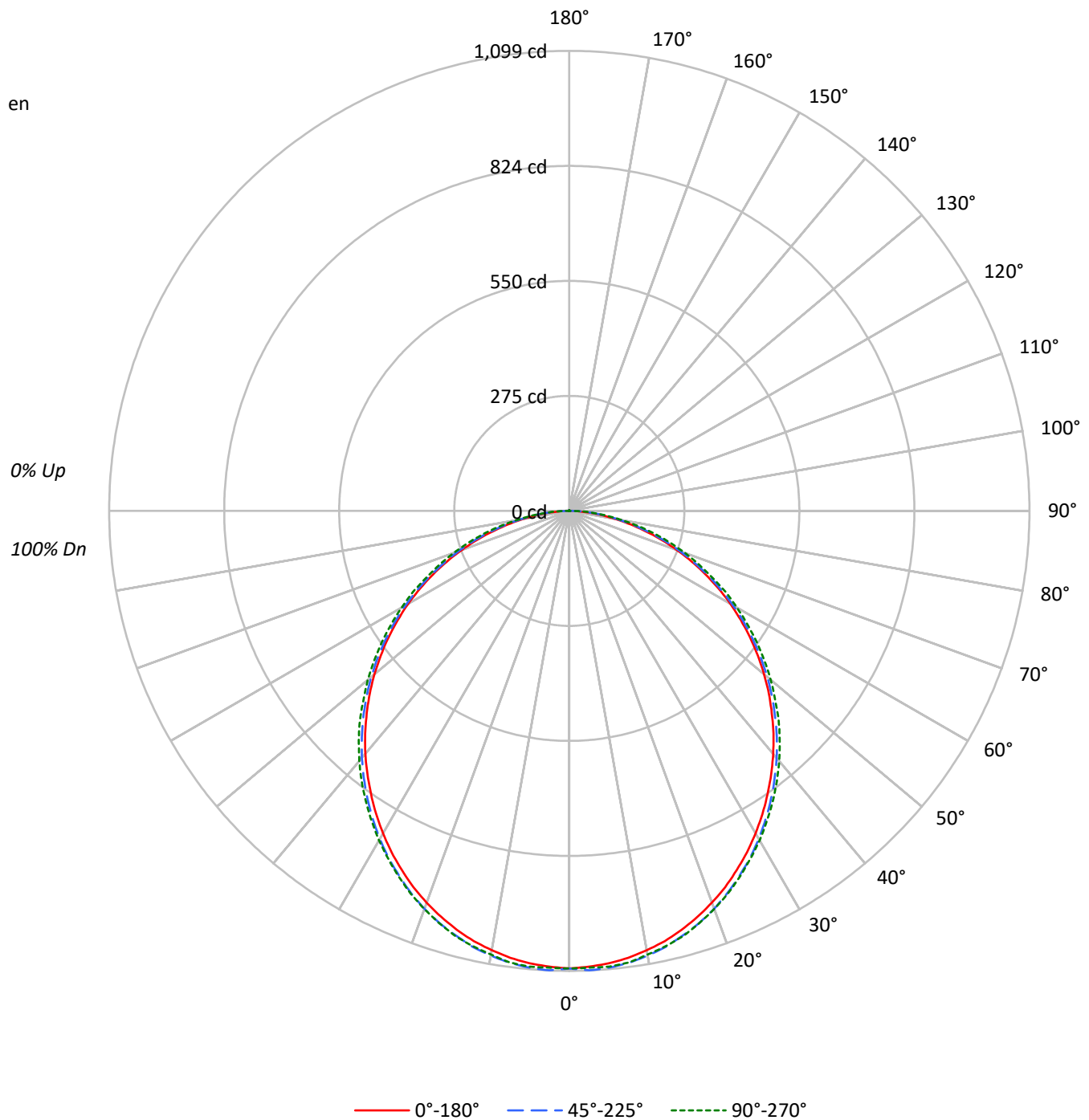
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3034.0 lumens
Efficiency: N/A
Efficacy: 90.6 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): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
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	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°	3878	3878	3878
5°	3864	3901	3893
10°	3840	3886	3877
15°	3806	3856	3862
20°	3761	3819	3822
25°	3705	3765	3774
30°	3645	3707	3724
35°	3576	3639	3670
40°	3509	3569	3613
45°	3433	3489	3549
50°	3352	3405	3467
55°	3262	3311	3381
60°	3157	3208	3282
65°	3017	3077	3158
70°	2838	2921	3054
75°	2610	2720	2895
80°	2305	2485	2615
85°	1987	2280	2443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3549 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	3.4
10°-20°	294.6	9.7
20°-30°	441.4	14.5
30°-40°	525.3	17.3
40°-50°	539.0	17.8
50°-60°	482.9	15.9
60°-70°	366.9	12.1
70°-80°	213.2	7.0
80°-90°	64.0	2.1
90°-100°	1.5	0.1
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°	839.4	27.7
0°-40°	1364.6	45.0
0°-60°	2386.5	78.7
0°-90°	3030.5	99.9
90°-120°	1.8	0.1
90°-150°	2.7	0.1
90°-180°	3.0	0.1
0°-180°	3034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1085	1103	1095	1090	1093	103
15°	1036	1056	1050	1048	1051	292
25°	946	968	962	960	964	436
35°	826	846	840	842	847	517
45°	684	701	695	701	707	528
55°	527	540	535	542	546	471
65°	359	368	366	373	376	356
75°	190	198	198	206	211	202
85°	49	53	56	60	60	53
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	



TEST NUMBER: P895398
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0
2.5°	1089.8	1088.2	1089.8	1089.0	1097.0	1106.6	1105.0	1097.8	1089.8	1092.2	1098.6
5°	1085.0	1084.2	1086.6	1085.0	1093.0	1103.4	1100.2	1093.8	1086.6	1089.0	1095.4
7.5°	1077.0	1077.0	1080.2	1078.6	1085.8	1096.2	1093.0	1087.4	1080.2	1082.6	1089.0
10°	1065.8	1066.6	1070.6	1068.2	1074.6	1085.8	1082.6	1077.0	1070.6	1072.2	1078.6
12.5°	1053.0	1053.0	1057.8	1055.4	1061.8	1072.2	1068.2	1064.2	1057.8	1059.4	1066.6
15°	1036.2	1037.0	1042.6	1040.2	1045.8	1056.2	1052.2	1049.0	1043.4	1044.2	1049.8
17.5°	1017.0	1019.4	1025.0	1022.6	1028.2	1038.6	1033.8	1030.6	1025.8	1026.6	1032.2
20°	996.1	998.5	1004.1	1002.5	1006.6	1017.0	1012.2	1010.6	1005.8	1006.6	1011.4
22.5°	972.9	975.3	981.7	980.1	984.1	994.5	988.9	988.1	983.3	984.1	988.1
25°	946.5	949.7	956.9	955.3	958.5	968.1	963.3	961.7	958.5	958.5	961.7
27.5°	919.3	922.5	930.5	928.1	930.5	940.9	935.3	934.5	931.3	931.3	934.5
30°	889.7	892.9	901.7	899.3	901.7	910.5	904.9	905.7	902.5	902.5	904.9
32.5°	858.5	860.9	870.5	868.9	870.5	879.3	873.7	874.5	871.3	872.1	872.9
35°	825.7	828.1	838.5	836.9	837.7	845.7	841.7	841.7	839.3	838.5	840.1
37.5°	792.1	794.5	807.3	803.3	803.3	811.3	808.1	808.1	805.7	804.9	805.7
40°	757.7	759.3	772.9	768.9	768.1	775.3	772.9	772.9	771.3	769.7	770.5
42.5°	721.7	724.1	737.7	734.5	731.3	739.3	736.9	737.7	735.3	733.7	733.7
45°	684.1	686.5	700.1	698.5	693.7	700.9	698.5	700.1	696.9	695.3	695.3
47.5°	646.5	649.7	662.5	660.1	655.3	662.5	660.1	661.7	658.5	656.9	656.9
50°	607.3	610.5	624.1	620.1	615.3	622.5	620.9	621.7	619.3	617.7	616.9
52.5°	567.3	571.3	584.1	579.3	575.3	581.7	580.9	581.7	578.5	577.7	576.9
55°	527.3	531.3	543.3	537.7	534.5	540.1	538.5	540.1	536.9	536.1	535.3
57.5°	485.7	489.7	500.9	495.3	492.9	497.7	496.9	497.7	495.3	494.5	493.7
60°	444.9	448.1	458.5	452.9	450.5	455.3	453.7	456.1	452.9	452.9	452.1
62.5°	401.7	405.7	416.1	409.7	408.1	412.1	410.5	412.9	411.3	409.7	408.9
65°	359.3	361.7	371.3	365.7	363.3	368.1	367.3	368.9	366.5	367.3	366.5
67.5°	316.8	318.4	328.0	321.6	320.0	324.8	325.6	324.8	323.2	324.0	323.2
70°	273.6	275.2	283.2	277.6	276.8	280.8	282.4	281.6	280.0	280.8	281.6
72.5°	232.0	232.8	240.0	235.2	234.4	239.2	239.2	239.2	239.2	239.2	240.8
75°	190.4	191.2	197.6	193.6	192.8	197.6	197.6	197.6	197.6	199.2	198.4
77.5°	150.4	149.6	156.0	153.6	152.0	156.8	156.8	157.6	159.2	160.8	158.4
80°	112.8	112.0	116.8	113.6	113.6	118.4	117.6	118.4	120.0	120.8	121.6
82.5°	79.2	77.6	81.6	80.8	80.0	84.0	84.8	84.0	86.4	87.2	87.2
85°	48.8	48.8	51.2	49.6	49.6	52.8	52.8	53.6	55.2	56.0	56.0
87.5°	23.2	22.4	24.8	24.0	23.2	25.6	25.6	26.4	27.2	28.0	27.2
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°	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0
2.5°	1089.0	1083.4	1081.0	1082.6	1093.8	1082.6	1094.6	1098.6	1084.2	1092.2
5°	1085.8	1080.2	1077.0	1078.6	1089.8	1079.4	1092.2	1097.0	1085.0	1093.0
7.5°	1079.4	1073.0	1071.4	1073.8	1083.4	1074.6	1087.4	1092.2	1080.2	1088.2
10°	1069.8	1064.2	1062.6	1065.0	1073.8	1065.0	1076.2	1080.2	1069.0	1076.2
12.5°	1057.8	1052.2	1050.6	1053.8	1061.8	1053.8	1065.0	1069.0	1057.8	1065.0
15°	1042.6	1037.0	1036.2	1041.0	1048.2	1041.0	1052.2	1055.4	1044.2	1051.4
17.5°	1024.2	1018.6	1019.4	1025.0	1030.6	1024.2	1034.6	1037.8	1027.4	1033.0
20°	1004.1	997.7	999.3	1004.1	1009.0	1002.5	1013.0	1016.2	1006.6	1012.2
22.5°	980.9	974.5	976.1	981.7	984.9	979.3	988.9	992.1	984.1	989.7
25°	955.3	949.7	952.1	957.7	960.1	955.3	964.1	966.5	959.3	964.1
27.5°	929.7	923.3	926.5	932.1	933.7	928.9	937.7	939.3	932.1	936.9
30°	900.9	894.5	898.5	904.9	904.9	901.7	908.9	910.5	904.9	908.9
32.5°	868.9	864.1	868.9	874.5	873.7	871.3	878.5	880.1	875.3	878.5
35°	836.9	832.9	837.7	843.3	842.5	840.1	847.3	848.1	844.1	847.3
37.5°	804.1	800.9	805.7	810.5	808.9	807.3	813.7	813.7	811.3	814.5
40°	770.5	767.3	771.3	776.9	773.7	773.7	777.7	779.3	776.9	780.1
42.5°	735.3	732.1	736.9	741.7	738.5	737.7	742.5	743.3	741.7	744.1
45°	698.5	695.3	700.1	704.1	700.9	700.9	704.9	704.9	704.1	707.3
47.5°	660.9	658.5	662.5	666.5	663.3	665.7	665.7	665.7	667.3	666.5
50°	622.5	620.1	623.3	628.1	624.1	624.9	626.5	626.5	627.3	628.1
52.5°	582.5	579.3	582.5	588.1	582.5	584.9	585.7	586.5	588.9	587.3
55°	542.5	539.3	542.5	547.3	541.7	544.9	544.9	545.7	548.1	546.5
57.5°	500.9	497.7	502.5	505.7	500.1	503.3	503.3	504.9	506.5	504.1
60°	459.3	456.9	458.5	464.1	458.5	461.7	461.7	461.7	464.9	462.5
62.5°	416.9	415.3	416.9	421.7	416.1	419.3	418.5	419.3	422.5	421.7
65°	373.7	372.1	373.7	378.5	372.9	376.1	376.1	376.9	379.3	376.1
67.5°	331.2	328.8	331.2	335.3	330.4	332.8	332.8	332.8	336.9	335.3
70°	288.0	286.4	288.0	292.0	288.0	289.6	289.6	289.6	293.6	294.4
72.5°	245.6	245.6	247.2	250.4	247.2	250.4	248.0	246.4	252.0	252.8
75°	204.0	204.8	205.6	208.8	205.6	208.8	207.2	205.6	210.4	211.2
77.5°	165.6	165.6	166.4	168.8	166.4	168.8	167.2	167.2	170.4	169.6
80°	126.4	126.4	127.2	129.6	127.2	129.6	128.0	128.0	131.2	128.0
82.5°	92.0	92.0	92.0	94.4	92.8	94.4	93.6	92.0	96.0	92.8
85°	59.2	60.0	60.0	60.8	60.0	60.8	60.8	60.0	62.4	60.0
87.5°	30.4	30.4	30.4	31.2	30.4	30.4	31.2	30.4	32.0	31.2
90°	5.6	4.8	4.8	6.4	5.6	5.6	6.4	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: P895398
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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: P895398
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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	16.22	17.85	16.58	18.17	18.49	16.35	17.99	16.72	18.31	18.62
	3H	18.04	19.52	18.42	19.85	20.21	18.18	19.67	18.56	19.99	20.36
	4H	18.70	20.09	19.10	20.44	20.82	18.89	20.29	19.29	20.64	21.01
	6H	19.15	20.45	19.56	20.81	21.21	19.45	20.74	19.86	21.11	21.50
	8H	19.29	20.53	19.72	20.92	21.32	19.64	20.88	20.07	21.27	21.67
	12H	19.39	20.57	19.82	20.96	21.39	19.79	20.97	20.22	21.35	21.79
4H	2H	16.85	18.25	17.25	18.60	18.97	16.96	18.35	17.36	18.70	19.08
	3H	18.89	20.06	19.30	20.46	20.86	19.02	20.20	19.44	20.60	21.00
	4H	19.68	20.74	20.12	21.16	21.60	19.87	20.93	20.30	21.35	21.78
	6H	20.26	21.19	20.71	21.63	22.09	20.56	21.49	21.02	21.93	22.39
	8H	20.45	21.32	20.91	21.76	22.23	20.81	21.68	21.27	22.12	22.59
	12H	20.59	21.37	21.07	21.85	22.32	21.00	21.78	21.48	22.26	22.73
8H	4H	20.01	20.88	20.47	21.33	21.79	20.18	21.05	20.64	21.49	21.96
	6H	20.72	21.44	21.21	21.93	22.41	21.00	21.73	21.50	22.22	22.69
	8H	20.98	21.63	21.49	22.14	22.62	21.33	21.98	21.84	22.49	22.98
	12H	21.19	21.77	21.70	22.26	22.82	21.62	22.19	22.13	22.68	23.25
12H	4H	20.06	20.84	20.54	21.32	21.79	20.21	20.99	20.69	21.47	21.94
	6H	20.79	21.44	21.30	21.94	22.43	21.06	21.71	21.57	22.22	22.71
	8H	21.11	21.69	21.62	22.18	22.74	21.45	22.03	21.96	22.52	23.08