

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: P894993

Luminaire Tested: 8TMB-4SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894993
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-L930
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

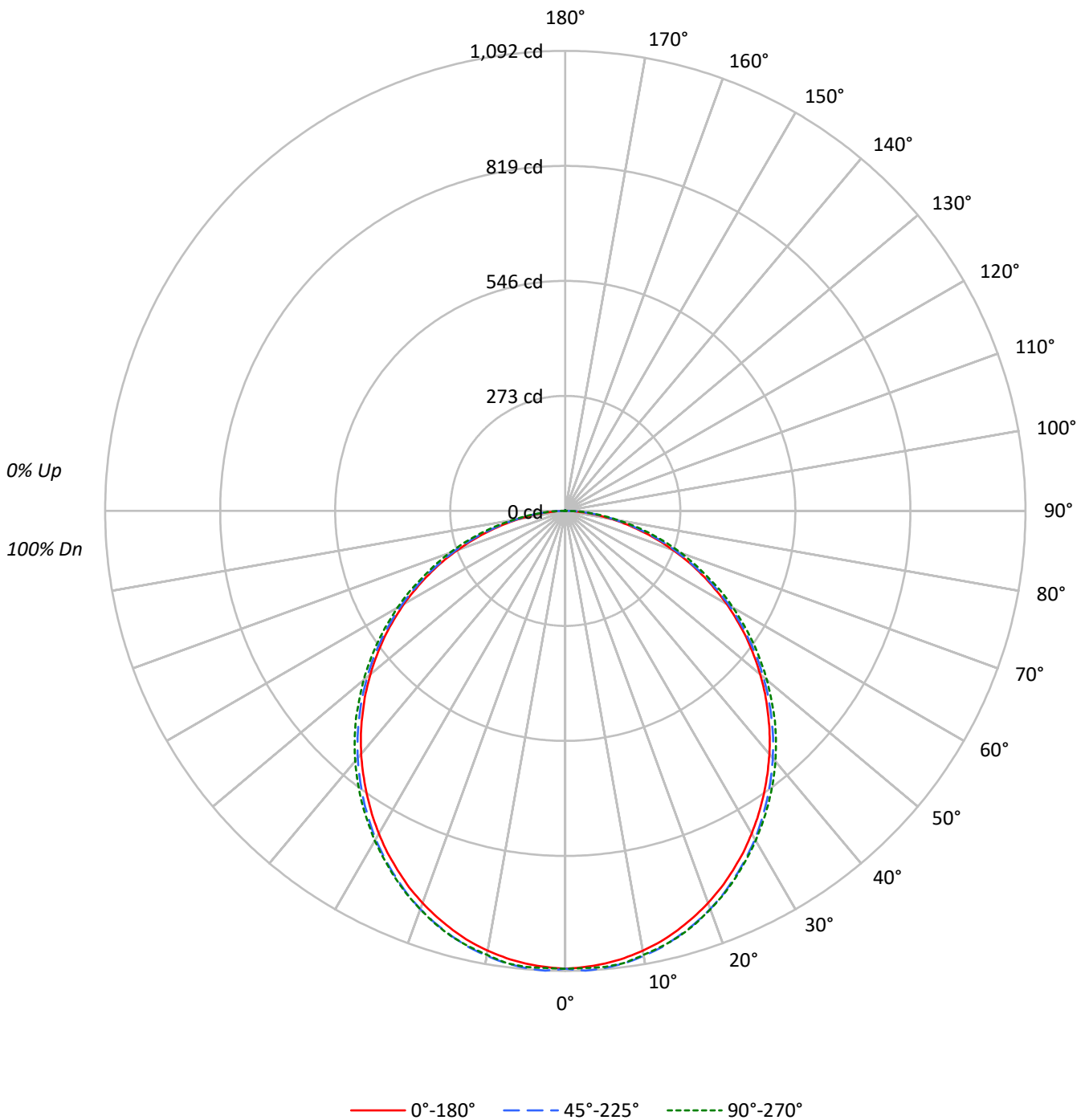
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3017.0 lumens
Efficiency: N/A
Efficacy: 109.3 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): 27.6
Input Voltage (V): 120
Input Current (A_{in}): 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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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°	3856	3856	3856
5°	3843	3879	3871
10°	3818	3864	3855
15°	3785	3835	3840
20°	3740	3797	3800
25°	3685	3744	3753
30°	3625	3687	3703
35°	3557	3619	3650
40°	3490	3549	3593
45°	3414	3469	3529
50°	3333	3386	3448
55°	3243	3293	3361
60°	3139	3190	3264
65°	2999	3059	3139
70°	2823	2906	3038
75°	2596	2705	2879
80°	2293	2470	2601
85°	1974	2268	2430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3529 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.4
10°-20°	292.9	9.7
20°-30°	439.0	14.5
30°-40°	522.3	17.3
40°-50°	536.0	17.8
50°-60°	480.1	15.9
60°-70°	364.8	12.1
70°-80°	212.0	7.0
80°-90°	63.6	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°	834.7	27.7
0°-40°	1357.0	45.0
0°-60°	2373.1	78.7
0°-90°	3013.6	99.9
90°-120°	1.8	0.1
90°-150°	2.7	0.1
90°-180°	3.0	0.1
0°-180°	3017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1079	1097	1089	1084	1087	102
15°	1030	1050	1044	1042	1046	291
25°	941	963	956	955	959	434
35°	821	841	835	838	843	514
45°	680	697	691	697	703	525
55°	524	537	532	539	543	468
65°	357	366	364	371	374	354
75°	189	196	197	204	210	201
85°	48	52	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1083.7	1082.1	1083.7	1082.9	1090.8	1100.4	1098.8	1091.6	1083.7	1086.0	1092.4
5°	1078.9	1078.1	1080.5	1078.9	1086.8	1097.2	1094.0	1087.6	1080.5	1082.9	1089.2
7.5°	1070.9	1070.9	1074.1	1072.5	1079.7	1090.0	1086.8	1081.3	1074.1	1076.5	1082.9
10°	1059.8	1060.6	1064.6	1062.2	1068.5	1079.7	1076.5	1070.9	1064.6	1066.2	1072.5
12.5°	1047.1	1047.1	1051.8	1049.4	1055.8	1066.2	1062.2	1058.2	1051.8	1053.4	1060.6
15°	1030.3	1031.1	1036.7	1034.3	1039.9	1050.2	1046.3	1043.1	1037.5	1038.3	1043.9
17.5°	1011.3	1013.6	1019.2	1016.8	1022.4	1032.7	1028.0	1024.8	1020.0	1020.8	1026.4
20°	990.6	993.0	998.5	996.9	1000.9	1011.3	1006.5	1004.9	1000.1	1000.9	1005.7
22.5°	967.5	969.9	976.2	974.7	978.6	989.0	983.4	982.6	977.8	978.6	982.6
25°	941.2	944.4	951.6	950.0	953.2	962.7	957.9	956.4	953.2	953.2	956.4
27.5°	914.2	917.4	925.3	922.9	925.3	935.7	930.1	929.3	926.1	926.1	929.3
30°	884.7	887.9	896.7	894.3	896.7	905.4	899.9	900.7	897.5	897.5	899.9
32.5°	853.7	856.1	865.7	864.1	865.7	874.4	868.8	869.6	866.4	867.2	868.0
35°	821.1	823.5	833.8	832.2	833.0	841.0	837.0	837.0	834.6	833.8	835.4
37.5°	787.7	790.1	802.8	798.8	798.8	806.8	803.6	803.6	801.2	800.4	801.2
40°	753.5	755.1	768.6	764.6	763.8	771.0	768.6	768.6	767.0	765.4	766.2
42.5°	717.7	720.1	733.6	730.4	727.2	735.2	732.8	733.6	731.2	729.6	729.6
45°	680.3	682.7	696.2	694.6	689.8	697.0	694.6	696.2	693.0	691.4	691.4
47.5°	642.9	646.1	658.8	656.4	651.6	658.8	656.4	658.0	654.8	653.2	653.2
50°	603.9	607.1	620.6	616.6	611.8	619.0	617.4	618.2	615.8	614.2	613.4
52.5°	564.1	568.1	580.8	576.0	572.1	578.4	577.6	578.4	575.2	574.4	573.7
55°	524.3	528.3	540.2	534.7	531.5	537.1	535.5	537.1	533.9	533.1	532.3
57.5°	483.0	486.9	498.1	492.5	490.1	494.9	494.1	494.9	492.5	491.7	490.9
60°	442.4	445.6	455.9	450.3	447.9	452.7	451.1	453.5	450.3	450.3	449.5
62.5°	399.4	403.4	413.7	407.4	405.8	409.8	408.2	410.5	409.0	407.4	406.6
65°	357.2	359.6	369.2	363.6	361.2	366.0	365.2	366.8	364.4	365.2	364.4
67.5°	315.1	316.7	326.2	319.8	318.3	323.0	323.8	323.0	321.4	322.2	321.4
70°	272.1	273.7	281.7	276.1	275.3	279.3	280.9	280.1	278.5	279.3	280.1
72.5°	230.7	231.5	238.7	233.9	233.1	237.9	237.9	237.9	237.9	237.9	239.5
75°	189.4	190.2	196.5	192.5	191.7	196.5	196.5	196.5	196.5	198.1	197.3
77.5°	149.6	148.8	155.1	152.8	151.2	155.9	155.9	156.7	158.3	159.9	157.5
80°	112.2	111.4	116.2	113.0	113.0	117.8	117.0	117.8	119.3	120.1	120.9
82.5°	78.8	77.2	81.2	80.4	79.6	83.5	84.3	83.5	85.9	86.7	86.7
85°	48.5	48.5	50.9	49.3	49.3	52.5	52.5	53.3	54.9	55.7	55.7
87.5°	23.1	22.3	24.7	23.9	23.1	25.5	25.5	26.3	27.1	27.8	27.1
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°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1082.9	1077.3	1074.9	1076.5	1087.6	1076.5	1088.4	1092.4	1078.1	1086.0
5°	1079.7	1074.1	1070.9	1072.5	1083.7	1073.3	1086.0	1090.8	1078.9	1086.8
7.5°	1073.3	1066.9	1065.4	1067.7	1077.3	1068.5	1081.3	1086.0	1074.1	1082.1
10°	1063.8	1058.2	1056.6	1059.0	1067.7	1059.0	1070.1	1074.1	1063.0	1070.1
12.5°	1051.8	1046.3	1044.7	1047.9	1055.8	1047.9	1059.0	1063.0	1051.8	1059.0
15°	1036.7	1031.1	1030.3	1035.1	1042.3	1035.1	1046.3	1049.4	1038.3	1045.5
17.5°	1018.4	1012.8	1013.6	1019.2	1024.8	1018.4	1028.8	1031.9	1021.6	1027.2
20°	998.5	992.2	993.7	998.5	1003.3	996.9	1007.3	1010.5	1000.9	1006.5
22.5°	975.5	969.1	970.7	976.2	979.4	973.9	983.4	986.6	978.6	984.2
25°	950.0	944.4	946.8	952.4	954.8	950.0	958.7	961.1	954.0	958.7
27.5°	924.5	918.2	921.3	926.9	928.5	923.7	932.5	934.1	926.9	931.7
30°	895.9	889.5	893.5	899.9	899.9	896.7	903.8	905.4	899.9	903.8
32.5°	864.1	859.3	864.1	869.6	868.8	866.4	873.6	875.2	870.4	873.6
35°	832.2	828.3	833.0	838.6	837.8	835.4	842.6	843.4	839.4	842.6
37.5°	799.6	796.4	801.2	806.0	804.4	802.8	809.2	809.2	806.8	810.0
40°	766.2	763.0	767.0	772.6	769.4	769.4	773.4	774.9	772.6	775.7
42.5°	731.2	728.0	732.8	737.6	734.4	733.6	738.4	739.1	737.6	739.9
45°	694.6	691.4	696.2	700.2	697.0	697.0	701.0	701.0	700.2	703.3
47.5°	657.2	654.8	658.8	662.8	659.6	662.0	662.0	662.0	663.6	662.8
50°	619.0	616.6	619.8	624.6	620.6	621.4	623.0	623.0	623.8	624.6
52.5°	579.2	576.0	579.2	584.8	579.2	581.6	582.4	583.2	585.6	584.0
55°	539.4	536.3	539.4	544.2	538.6	541.8	541.8	542.6	545.0	543.4
57.5°	498.1	494.9	499.7	502.8	497.3	500.5	500.5	502.0	503.6	501.3
60°	456.7	454.3	455.9	461.5	455.9	459.1	459.1	459.1	462.3	459.9
62.5°	414.5	412.9	414.5	419.3	413.7	416.9	416.1	416.9	420.1	419.3
65°	371.6	370.0	371.6	376.3	370.8	373.9	373.9	374.7	377.1	373.9
67.5°	329.4	327.0	329.4	333.4	328.6	331.0	331.0	331.0	335.0	333.4
70°	286.4	284.8	286.4	290.4	286.4	288.0	288.0	288.0	292.0	292.8
72.5°	244.3	244.3	245.9	249.0	245.9	249.0	246.6	245.1	250.6	251.4
75°	202.9	203.7	204.5	207.7	204.5	207.7	206.1	204.5	209.3	210.0
77.5°	164.7	164.7	165.5	167.9	165.5	167.9	166.3	166.3	169.5	168.7
80°	125.7	125.7	126.5	128.9	126.5	128.9	127.3	127.3	130.5	127.3
82.5°	91.5	91.5	91.5	93.9	92.3	93.9	93.1	91.5	95.5	92.3
85°	58.9	59.7	59.7	60.5	59.7	60.5	60.5	59.7	62.1	59.7
87.5°	30.2	30.2	30.2	31.0	30.2	30.2	31.0	30.2	31.8	31.0
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: P894993
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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



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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	16.20	17.83	16.56	18.15	18.47	16.33	17.97	16.70	18.29	18.60
	3H	18.02	19.50	18.40	19.83	20.19	18.17	19.65	18.54	19.97	20.34
	4H	18.68	20.08	19.08	20.43	20.80	18.87	20.27	19.27	20.62	21.00
	6H	19.13	20.43	19.55	20.79	21.19	19.43	20.72	19.84	21.09	21.48
	8H	19.27	20.51	19.70	20.90	21.30	19.62	20.86	20.05	21.25	21.65
	12H	19.37	20.55	19.80	20.94	21.37	19.77	20.95	20.20	21.34	21.77
4H	2H	16.83	18.23	17.23	18.58	18.95	16.94	18.33	17.34	18.68	19.06
	3H	18.87	20.04	19.28	20.44	20.84	19.01	20.18	19.42	20.58	20.98
	4H	19.66	20.73	20.10	21.14	21.58	19.85	20.91	20.28	21.33	21.76
	6H	20.24	21.17	20.70	21.61	22.07	20.54	21.47	21.00	21.91	22.37
	8H	20.43	21.30	20.89	21.74	22.21	20.79	21.66	21.25	22.10	22.57
	12H	20.57	21.35	21.05	21.83	22.30	20.98	21.76	21.46	22.24	22.71
8H	4H	19.99	20.86	20.45	21.31	21.77	20.16	21.03	20.62	21.47	21.94
	6H	20.70	21.42	21.19	21.91	22.39	20.99	21.71	21.48	22.20	22.68
	8H	20.96	21.61	21.47	22.12	22.61	21.32	21.97	21.83	22.47	22.96
	12H	21.18	21.75	21.68	22.24	22.81	21.60	22.17	22.11	22.67	23.23
12H	4H	20.04	20.82	20.52	21.30	21.77	20.19	20.97	20.67	21.45	21.92
	6H	20.77	21.42	21.28	21.93	22.41	21.04	21.69	21.55	22.20	22.69
	8H	21.09	21.67	21.60	22.16	22.72	21.44	22.01	21.94	22.50	23.07