

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: P893509

Luminaire Tested: 4MB-4SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893509
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: 4MB-4SL-FLT-UNV-L930
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

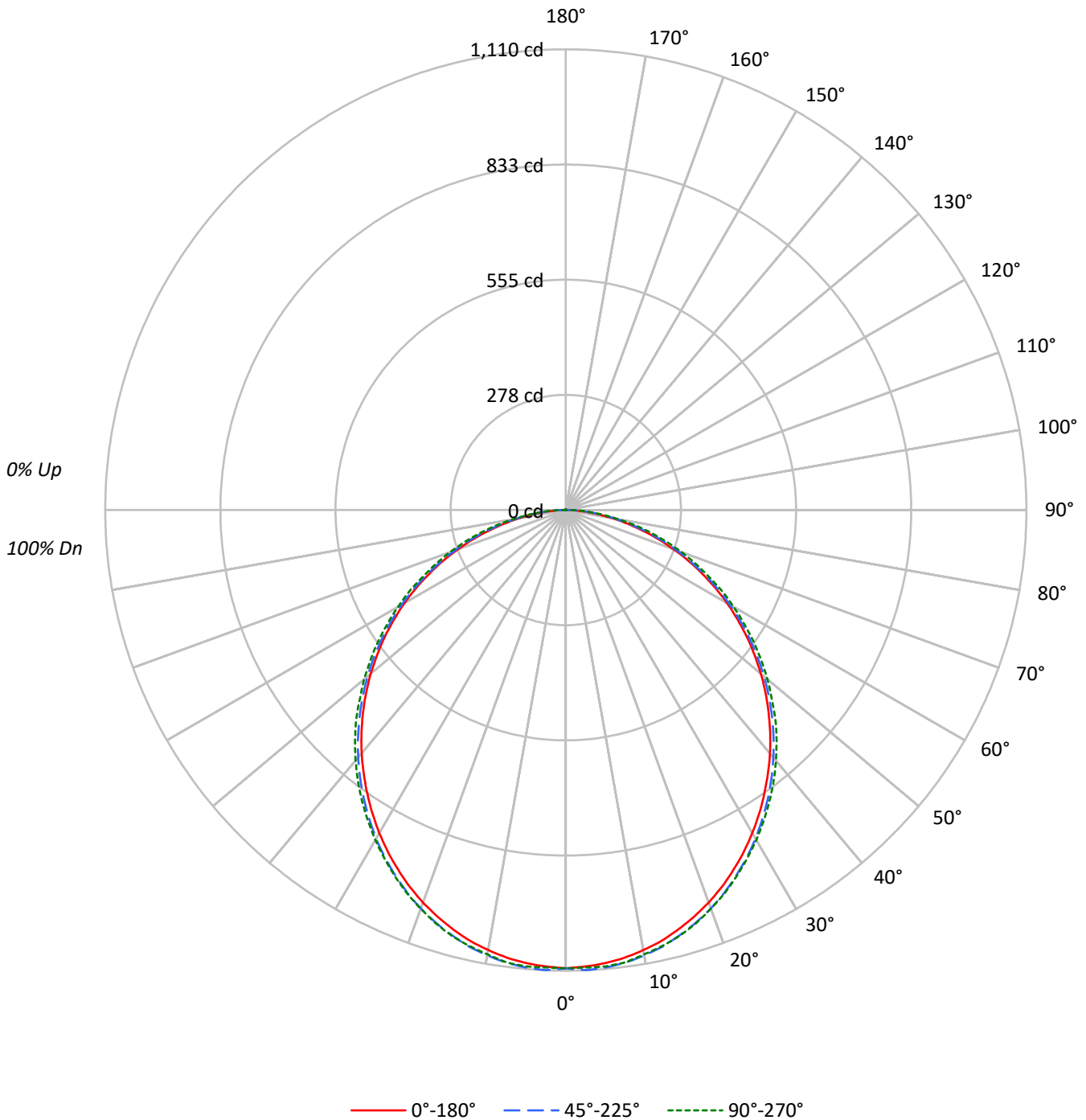
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3065.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.5
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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CATALOG NUMBER: 4MB-4SL-FLT-UNV-L930

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°	7856	7856	7856
5°	7828	7904	7886
10°	7778	7872	7855
15°	7710	7812	7823
20°	7619	7736	7742
25°	7507	7628	7646
30°	7384	7511	7544
35°	7246	7372	7435
40°	7110	7230	7320
45°	6954	7068	7189
50°	6791	6898	7023
55°	6608	6707	6849
60°	6395	6499	6648
65°	6110	6233	6396
70°	5750	5918	6189
75°	5289	5512	5866
80°	4671	5036	5298
85°	4025	4621	4947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	3.4
10°-20°	297.6	9.7
20°-30°	446.0	14.6
30°-40°	530.6	17.3
40°-50°	544.5	17.8
50°-60°	487.8	15.9
60°-70°	370.6	12.1
70°-80°	215.4	7.0
80°-90°	64.6	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°	848.0	27.7
0°-40°	1378.6	45.0
0°-60°	2410.8	78.7
0°-90°	3061.5	99.9
90°-120°	1.8	0.1
90°-150°	2.7	0.1
90°-180°	3.0	0.1
0°-180°	3065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1096	1115	1107	1101	1104	104
15°	1047	1067	1060	1059	1062	295
25°	956	978	972	970	974	441
35°	834	854	849	851	856	522
45°	691	708	702	708	714	533
55°	533	546	541	547	552	476
65°	363	372	370	377	380	359
75°	192	200	200	208	213	204
85°	49	53	57	61	61	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	



TEST NUMBER: P893509
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1
2.5°	1100.9	1099.3	1100.9	1100.1	1108.2	1117.9	1116.3	1109.0	1100.9	1103.3	1109.8
5°	1096.0	1095.2	1097.7	1096.0	1104.1	1114.6	1111.4	1104.9	1097.7	1100.1	1106.6
7.5°	1088.0	1088.0	1091.2	1089.6	1096.9	1107.4	1104.1	1098.5	1091.2	1093.6	1100.1
10°	1076.6	1077.5	1081.5	1079.1	1085.5	1096.9	1093.6	1088.0	1081.5	1083.1	1089.6
12.5°	1063.7	1063.7	1068.6	1066.1	1072.6	1083.1	1079.1	1075.0	1068.6	1070.2	1077.5
15°	1046.7	1047.5	1053.2	1050.8	1056.4	1066.9	1062.9	1059.7	1054.0	1054.8	1060.5
17.5°	1027.3	1029.8	1035.4	1033.0	1038.7	1049.2	1044.3	1041.1	1036.2	1037.0	1042.7
20°	1006.3	1008.8	1014.4	1012.8	1016.8	1027.3	1022.5	1020.9	1016.0	1016.8	1021.7
22.5°	982.9	985.3	991.8	990.2	994.2	1004.7	999.1	998.2	993.4	994.2	998.2
25°	956.2	959.4	966.7	965.1	968.3	978.0	973.2	971.6	968.3	968.3	971.6
27.5°	928.7	932.0	940.0	937.6	940.0	950.6	944.9	944.1	940.9	940.9	944.1
30°	898.8	902.1	910.9	908.5	910.9	919.8	914.2	915.0	911.8	911.8	914.2
32.5°	867.3	869.7	879.4	877.8	879.4	888.3	882.7	883.5	880.2	881.0	881.8
35°	834.2	836.6	847.1	845.5	846.3	854.4	850.3	850.3	847.9	847.1	848.7
37.5°	800.2	802.6	815.6	811.5	811.5	819.6	816.4	816.4	814.0	813.1	814.0
40°	765.5	767.1	780.8	776.8	776.0	783.2	780.8	780.8	779.2	777.6	778.4
42.5°	729.1	731.5	745.2	742.0	738.8	746.9	744.4	745.2	742.8	741.2	741.2
45°	691.1	693.5	707.3	705.6	700.8	708.1	705.6	707.3	704.0	702.4	702.4
47.5°	653.1	656.3	669.3	666.8	662.0	669.3	666.8	668.5	665.2	663.6	663.6
50°	613.5	616.7	630.5	626.4	621.6	628.9	627.2	628.0	625.6	624.0	623.2
52.5°	573.1	577.1	590.1	585.2	581.2	587.6	586.8	587.6	584.4	583.6	582.8
55°	532.7	536.7	548.8	543.2	539.9	545.6	544.0	545.6	542.4	541.6	540.7
57.5°	490.6	494.7	506.0	500.3	497.9	502.8	502.0	502.8	500.3	499.5	498.7
60°	449.4	452.6	463.2	457.5	455.1	459.9	458.3	460.7	457.5	457.5	456.7
62.5°	405.8	409.8	420.3	413.8	412.2	416.3	414.7	417.1	415.5	413.8	413.0
65°	362.9	365.3	375.0	369.4	367.0	371.8	371.0	372.6	370.2	371.0	370.2
67.5°	320.1	321.7	331.4	324.9	323.3	328.2	329.0	328.2	326.6	327.4	326.6
70°	276.4	278.1	286.1	280.5	279.7	283.7	285.3	284.5	282.9	283.7	284.5
72.5°	234.4	235.2	242.5	237.6	236.8	241.7	241.7	241.7	241.7	241.7	243.3
75°	192.4	193.2	199.6	195.6	194.8	199.6	199.6	199.6	199.6	201.3	200.5
77.5°	152.0	151.2	157.6	155.2	153.6	158.4	158.4	159.2	160.9	162.5	160.0
80°	114.0	113.2	118.0	114.8	114.8	119.6	118.8	119.6	121.2	122.1	122.9
82.5°	80.0	78.4	82.4	81.6	80.8	84.9	85.7	84.9	87.3	88.1	88.1
85°	49.3	49.3	51.7	50.1	50.1	53.3	53.3	54.2	55.8	56.6	56.6
87.5°	23.4	22.6	25.1	24.2	23.4	25.9	25.9	26.7	27.5	28.3	27.5
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°	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1	1104.1
2.5°	1100.1	1094.4	1092.0	1093.6	1104.9	1093.6	1105.7	1109.8	1095.2	1103.3
5°	1096.9	1091.2	1088.0	1089.6	1100.9	1090.4	1103.3	1108.2	1096.0	1104.1
7.5°	1090.4	1083.9	1082.3	1084.7	1094.4	1085.5	1098.5	1103.3	1091.2	1099.3
10°	1080.7	1075.0	1073.4	1075.8	1084.7	1075.8	1087.2	1091.2	1079.9	1087.2
12.5°	1068.6	1062.9	1061.3	1064.5	1072.6	1064.5	1075.8	1079.9	1068.6	1075.8
15°	1053.2	1047.5	1046.7	1051.6	1058.9	1051.6	1062.9	1066.1	1054.8	1062.1
17.5°	1034.6	1029.0	1029.8	1035.4	1041.1	1034.6	1045.1	1048.4	1037.9	1043.5
20°	1014.4	1007.9	1009.6	1014.4	1019.3	1012.8	1023.3	1026.5	1016.8	1022.5
22.5°	991.0	984.5	986.1	991.8	995.0	989.4	999.1	1002.3	994.2	999.9
25°	965.1	959.4	961.9	967.5	970.0	965.1	974.0	976.4	969.1	974.0
27.5°	939.2	932.8	936.0	941.7	943.3	938.4	947.3	948.9	941.7	946.5
30°	910.1	903.7	907.7	914.2	914.2	910.9	918.2	919.8	914.2	918.2
32.5°	877.8	873.0	877.8	883.5	882.7	880.2	887.5	889.1	884.3	887.5
35°	845.5	841.4	846.3	851.9	851.1	848.7	856.0	856.8	852.8	856.0
37.5°	812.3	809.1	814.0	818.8	817.2	815.6	822.0	822.0	819.6	822.8
40°	778.4	775.2	779.2	784.9	781.6	781.6	785.7	787.3	784.9	788.1
42.5°	742.8	739.6	744.4	749.3	746.1	745.2	750.1	750.9	749.3	751.7
45°	705.6	702.4	707.3	711.3	708.1	708.1	712.1	712.1	711.3	714.5
47.5°	667.7	665.2	669.3	673.3	670.1	672.5	672.5	672.5	674.1	673.3
50°	628.9	626.4	629.7	634.5	630.5	631.3	632.9	632.9	633.7	634.5
52.5°	588.4	585.2	588.4	594.1	588.4	590.9	591.7	592.5	594.9	593.3
55°	548.0	544.8	548.0	552.9	547.2	550.4	550.4	551.3	553.7	552.1
57.5°	506.0	502.8	507.6	510.8	505.2	508.4	508.4	510.0	511.7	509.2
60°	464.0	461.5	463.2	468.8	463.2	466.4	466.4	466.4	469.6	467.2
62.5°	421.1	419.5	421.1	426.0	420.3	423.5	422.7	423.5	426.8	426.0
65°	377.5	375.9	377.5	382.3	376.7	379.9	379.9	380.7	383.1	379.9
67.5°	334.6	332.2	334.6	338.7	333.8	336.3	336.3	336.3	340.3	338.7
70°	291.0	289.4	291.0	295.0	291.0	292.6	292.6	292.6	296.6	297.5
72.5°	248.1	248.1	249.8	253.0	249.8	253.0	250.6	249.0	254.6	255.4
75°	206.1	206.9	207.7	211.0	207.7	211.0	209.3	207.7	212.6	213.4
77.5°	167.3	167.3	168.1	170.6	168.1	170.6	168.9	168.9	172.2	171.4
80°	127.7	127.7	128.5	130.9	128.5	130.9	129.3	129.3	132.6	129.3
82.5°	93.0	93.0	93.0	95.4	93.8	95.4	94.6	93.0	97.0	93.8
85°	59.8	60.6	60.6	61.4	60.6	61.4	61.4	60.6	63.0	60.6
87.5°	30.7	30.7	30.7	31.5	30.7	30.7	31.5	30.7	32.3	31.5
90°	5.7	4.8	4.8	6.5	5.7	5.7	6.5	4.8	5.7	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: P893509
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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: P893509
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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	18.67	20.30	19.03	20.62	20.94	18.80	20.44	19.17	20.76	21.07
	3H	20.49	21.97	20.87	22.30	22.66	20.64	22.12	21.02	22.45	22.81
	4H	21.15	22.55	21.55	22.90	23.28	21.34	22.74	21.74	23.09	23.47
	6H	21.60	22.90	22.02	23.27	23.66	21.90	23.20	22.31	23.56	23.96
	8H	21.74	22.98	22.17	23.37	23.77	22.10	23.33	22.52	23.72	24.13
	12H	21.84	23.03	22.27	23.41	23.84	22.24	23.42	22.67	23.81	24.24
4H	2H	19.30	20.70	19.70	21.05	21.43	19.41	20.81	19.81	21.16	21.53
	3H	21.34	22.51	21.75	22.91	23.32	21.48	22.65	21.89	23.05	23.45
	4H	22.14	23.20	22.57	23.61	24.05	22.32	23.38	22.75	23.80	24.24
	6H	22.71	23.64	23.17	24.08	24.54	23.01	23.94	23.47	24.39	24.84
	8H	22.90	23.77	23.36	24.22	24.68	23.26	24.13	23.72	24.57	25.04
	12H	23.04	23.83	23.53	24.30	24.78	23.45	24.24	23.93	24.71	25.18
8H	4H	22.47	23.33	22.93	23.78	24.25	22.63	23.50	23.09	23.94	24.41
	6H	23.17	23.89	23.66	24.38	24.86	23.46	24.18	23.95	24.67	25.15
	8H	23.43	24.08	23.94	24.59	25.08	23.79	24.44	24.30	24.95	25.43
	12H	23.65	24.22	24.16	24.72	25.28	24.07	24.65	24.58	25.14	25.70
12H	4H	22.51	23.29	22.99	23.77	24.24	22.66	23.45	23.15	23.92	24.39
	6H	23.24	23.89	23.75	24.40	24.89	23.51	24.16	24.02	24.67	25.16
	8H	23.56	24.14	24.07	24.63	25.19	23.91	24.48	24.42	24.98	25.54