

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: P893510

Luminaire Tested: 4MB-4SL-FLT-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893510
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-L935
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

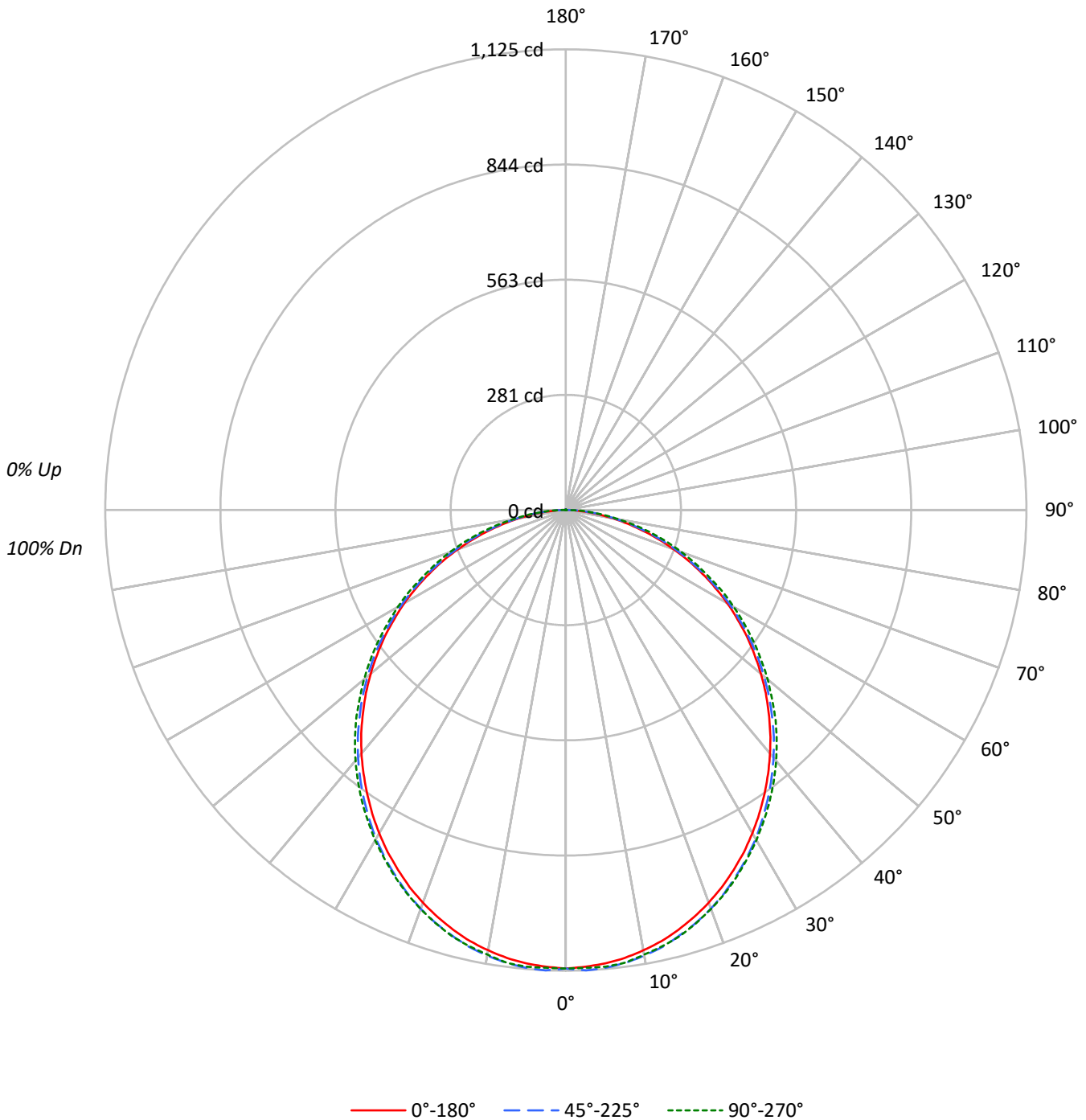
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3107.9 lumens
Efficiency: N/A
Efficacy: 104.3 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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CATALOG NUMBER: 4MB-4SL-FLT-UNV-L935

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-4SL-FLT-UNV-L935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	7966	7966	7966
5°	7938	8014	7996
10°	7888	7983	7965
15°	7818	7921	7933
20°	7726	7844	7850
25°	7612	7734	7754
30°	7488	7616	7650
35°	7347	7475	7539
40°	7209	7331	7422
45°	7052	7167	7291
50°	6886	6994	7122
55°	6700	6801	6944
60°	6485	6590	6741
65°	6195	6320	6485
70°	5831	6002	6274
75°	5363	5589	5949
80°	4737	5105	5372
85°	4082	4686	5021

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.4
10°-20°	301.8	9.7
20°-30°	452.2	14.6
30°-40°	538.1	17.3
40°-50°	552.1	17.8
50°-60°	494.6	15.9
60°-70°	375.8	12.1
70°-80°	218.4	7.0
80°-90°	65.5	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°	859.9	27.7
0°-40°	1397.9	45.0
0°-60°	2444.7	78.7
0°-90°	3104.5	99.9
90°-120°	1.8	0.1
90°-150°	2.8	0.1
90°-180°	3.0	0.1
0°-180°	3107.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1111	1130	1122	1116	1120	105
15°	1061	1082	1075	1074	1077	299
25°	970	992	985	984	988	447
35°	846	866	861	863	868	529
45°	701	718	712	718	725	541
55°	540	553	548	555	560	483
65°	368	377	375	382	385	364
75°	195	202	203	211	216	207
85°	50	54	57	62	62	55
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°	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6
2.5°	1116.3	1114.7	1116.3	1115.5	1123.7	1133.6	1131.9	1124.5	1116.3	1118.8	1125.4
5°	1111.4	1110.6	1113.1	1111.4	1119.6	1130.3	1127.0	1120.4	1113.1	1115.5	1122.1
7.5°	1103.2	1103.2	1106.5	1104.9	1112.2	1122.9	1119.6	1113.9	1106.5	1109.0	1115.5
10°	1091.8	1092.6	1096.7	1094.2	1100.8	1112.2	1109.0	1103.2	1096.7	1098.3	1104.9
12.5°	1078.6	1078.6	1083.6	1081.1	1087.7	1098.3	1094.2	1090.1	1083.6	1085.2	1092.6
15°	1061.4	1062.2	1068.0	1065.5	1071.3	1081.9	1077.8	1074.5	1068.8	1069.6	1075.4
17.5°	1041.8	1044.2	1050.0	1047.5	1053.2	1063.9	1059.0	1055.7	1050.8	1051.6	1057.3
20°	1020.4	1022.9	1028.6	1027.0	1031.1	1041.8	1036.8	1035.2	1030.3	1031.1	1036.0
22.5°	996.7	999.1	1005.7	1004.1	1008.2	1018.8	1013.1	1012.2	1007.3	1008.2	1012.2
25°	969.6	972.9	980.3	978.6	981.9	991.8	986.8	985.2	981.9	981.9	985.2
27.5°	941.8	945.0	953.2	950.8	953.2	963.9	958.2	957.3	954.1	954.1	957.3
30°	911.4	914.7	923.7	921.3	923.7	932.7	927.0	927.8	924.5	924.5	927.0
32.5°	879.5	881.9	891.8	890.1	891.8	900.8	895.0	895.9	892.6	893.4	894.2
35°	845.9	848.3	859.0	857.3	858.2	866.4	862.3	862.3	859.8	859.0	860.6
37.5°	811.4	813.9	827.0	822.9	822.9	831.1	827.8	827.8	825.4	824.6	825.4
40°	776.2	777.8	791.8	787.7	786.8	794.2	791.8	791.8	790.1	788.5	789.3
42.5°	739.3	741.8	755.7	752.4	749.1	757.3	754.9	755.7	753.2	751.6	751.6
45°	700.8	703.2	717.2	715.5	710.6	718.0	715.5	717.2	713.9	712.3	712.3
47.5°	662.3	665.5	678.7	676.2	671.3	678.7	676.2	677.8	674.6	672.9	672.9
50°	622.1	625.4	639.3	635.2	630.3	637.7	636.0	636.9	634.4	632.8	631.9
52.5°	581.1	585.2	598.3	593.4	589.3	595.9	595.1	595.9	592.6	591.8	591.0
55°	540.1	544.2	556.5	550.8	547.5	553.3	551.6	553.3	550.0	549.2	548.3
57.5°	497.5	501.6	513.1	507.4	504.9	509.8	509.0	509.8	507.4	506.5	505.7
60°	455.7	459.0	469.7	463.9	461.5	466.4	464.7	467.2	463.9	463.9	463.1
62.5°	411.5	415.6	426.2	419.7	418.0	422.1	420.5	422.9	421.3	419.7	418.8
65°	368.0	370.5	380.3	374.6	372.1	377.0	376.2	377.9	375.4	376.2	375.4
67.5°	324.6	326.2	336.1	329.5	327.9	332.8	333.6	332.8	331.1	332.0	331.1
70°	280.3	282.0	290.2	284.4	283.6	287.7	289.3	288.5	286.9	287.7	288.5
72.5°	237.7	238.5	245.9	241.0	240.2	245.1	245.1	245.1	245.1	245.1	246.7
75°	195.1	195.9	202.4	198.4	197.5	202.4	202.4	202.4	202.4	204.1	203.3
77.5°	154.1	153.3	159.8	157.4	155.7	160.6	160.6	161.5	163.1	164.7	162.3
80°	115.6	114.7	119.7	116.4	116.4	121.3	120.5	121.3	122.9	123.8	124.6
82.5°	81.1	79.5	83.6	82.8	82.0	86.1	86.9	86.1	88.5	89.3	89.3
85°	50.0	50.0	52.5	50.8	50.8	54.1	54.1	54.9	56.6	57.4	57.4
87.5°	23.8	22.9	25.4	24.6	23.8	26.2	26.2	27.0	27.9	28.7	27.9
90°	0.8	0.8	1.6	1.6	1.6	3.3	3.3	3.3	4.1	4.1	3.3
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°	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6
2.5°	1115.5	1109.8	1107.3	1109.0	1120.4	1109.0	1121.3	1125.4	1110.6	1118.8
5°	1112.2	1106.5	1103.2	1104.9	1116.3	1105.7	1118.8	1123.7	1111.4	1119.6
7.5°	1105.7	1099.1	1097.5	1099.9	1109.8	1100.8	1113.9	1118.8	1106.5	1114.7
10°	1095.9	1090.1	1088.5	1090.9	1099.9	1090.9	1102.4	1106.5	1095.0	1102.4
12.5°	1083.6	1077.8	1076.2	1079.5	1087.7	1079.5	1090.9	1095.0	1083.6	1090.9
15°	1068.0	1062.2	1061.4	1066.3	1073.7	1066.3	1077.8	1081.1	1069.6	1077.0
17.5°	1049.1	1043.4	1044.2	1050.0	1055.7	1049.1	1059.8	1063.1	1052.4	1058.1
20°	1028.6	1022.1	1023.7	1028.6	1033.6	1027.0	1037.7	1040.9	1031.1	1036.8
22.5°	1004.9	998.3	1000.0	1005.7	1009.0	1003.2	1013.1	1016.3	1008.2	1013.9
25°	978.6	972.9	975.4	981.1	983.6	978.6	987.7	990.1	982.7	987.7
27.5°	952.4	945.9	949.1	954.9	956.5	951.6	960.6	962.3	954.9	959.8
30°	922.9	916.4	920.4	927.0	927.0	923.7	931.1	932.7	927.0	931.1
32.5°	890.1	885.2	890.1	895.9	895.0	892.6	900.0	901.6	896.7	900.0
35°	857.3	853.2	858.2	863.9	863.1	860.6	868.0	868.8	864.7	868.0
37.5°	823.7	820.5	825.4	830.3	828.7	827.0	833.6	833.6	831.1	834.4
40°	789.3	786.0	790.1	795.9	792.6	792.6	796.7	798.3	795.9	799.1
42.5°	753.2	750.0	754.9	759.8	756.5	755.7	760.6	761.4	759.8	762.3
45°	715.5	712.3	717.2	721.3	718.0	718.0	722.1	722.1	721.3	724.6
47.5°	677.0	674.6	678.7	682.8	679.5	681.9	681.9	681.9	683.6	682.8
50°	637.7	635.2	638.5	643.4	639.3	640.1	641.8	641.8	642.6	643.4
52.5°	596.7	593.4	596.7	602.4	596.7	599.2	600.0	600.8	603.3	601.6
55°	555.7	552.4	555.7	560.6	554.9	558.2	558.2	559.0	561.4	559.8
57.5°	513.1	509.8	514.7	518.0	512.3	515.6	515.6	517.2	518.8	516.4
60°	470.5	468.0	469.7	475.4	469.7	472.9	472.9	472.9	476.2	473.7
62.5°	427.0	425.4	427.0	431.9	426.2	429.5	428.7	429.5	432.8	431.9
65°	382.8	381.1	382.8	387.7	381.9	385.2	385.2	386.0	388.5	385.2
67.5°	339.3	336.9	339.3	343.4	338.5	341.0	341.0	341.0	345.1	343.4
70°	295.1	293.4	295.1	299.2	295.1	296.7	296.7	296.7	300.8	301.6
72.5°	251.6	251.6	253.3	256.5	253.3	256.5	254.1	252.4	258.2	259.0
75°	209.0	209.8	210.6	213.9	210.6	213.9	212.3	210.6	215.6	216.4
77.5°	169.7	169.7	170.5	172.9	170.5	172.9	171.3	171.3	174.6	173.8
80°	129.5	129.5	130.3	132.8	130.3	132.8	131.1	131.1	134.4	131.1
82.5°	94.3	94.3	94.3	96.7	95.1	96.7	95.9	94.3	98.4	95.1
85°	60.7	61.5	61.5	62.3	61.5	62.3	62.3	61.5	63.9	61.5
87.5°	31.1	31.1	31.1	32.0	31.1	31.1	32.0	31.1	32.8	32.0
90°	5.7	4.9	4.9	6.6	5.7	5.7	6.6	4.9	5.7	4.9
92.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.3	3.3
95°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.5
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: P893510
 CATALOG NUMBER: 4MB-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: P893510
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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	18.72	20.35	19.08	20.67	20.99	18.85	20.49	19.22	20.81	21.12
	3H	20.54	22.02	20.92	22.35	22.71	20.69	22.17	21.06	22.50	22.86
	4H	21.20	22.60	21.60	22.95	23.32	21.39	22.79	21.79	23.14	23.52
	6H	21.65	22.95	22.07	23.31	23.71	21.95	23.25	22.36	23.61	24.00
	8H	21.79	23.03	22.22	23.42	23.82	22.15	23.38	22.57	23.77	24.17
	12H	21.89	23.07	22.32	23.46	23.89	22.29	23.47	22.72	23.86	24.29
4H	2H	19.35	20.75	19.75	21.10	21.47	19.46	20.85	19.86	21.20	21.58
	3H	21.39	22.56	21.80	22.96	23.37	21.53	22.70	21.94	23.10	23.50
	4H	22.19	23.25	22.62	23.66	24.10	22.37	23.43	22.80	23.85	24.29
	6H	22.76	23.69	23.22	24.13	24.59	23.06	23.99	23.52	24.43	24.89
	8H	22.95	23.82	23.41	24.26	24.73	23.31	24.18	23.77	24.62	25.09
	12H	23.09	23.88	23.57	24.35	24.82	23.50	24.28	23.98	24.76	25.23
8H	4H	22.51	23.38	22.98	23.83	24.30	22.68	23.55	23.14	23.99	24.46
	6H	23.22	23.94	23.71	24.43	24.91	23.51	24.23	24.00	24.72	25.20
	8H	23.48	24.13	23.99	24.64	25.13	23.84	24.49	24.35	24.99	25.48
	12H	23.70	24.27	24.20	24.76	25.33	24.12	24.69	24.63	25.19	25.75
12H	4H	22.56	23.34	23.04	23.82	24.29	22.71	23.49	23.19	23.97	24.44
	6H	23.29	23.94	23.80	24.45	24.93	23.56	24.21	24.07	24.72	25.21
	8H	23.61	24.19	24.12	24.68	25.24	23.96	24.53	24.46	25.02	25.59