

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: P893559

Luminaire Tested: 4MB-4SL-RND-UNV-L940

Issue Date: 11/11/2024

**Test Information**

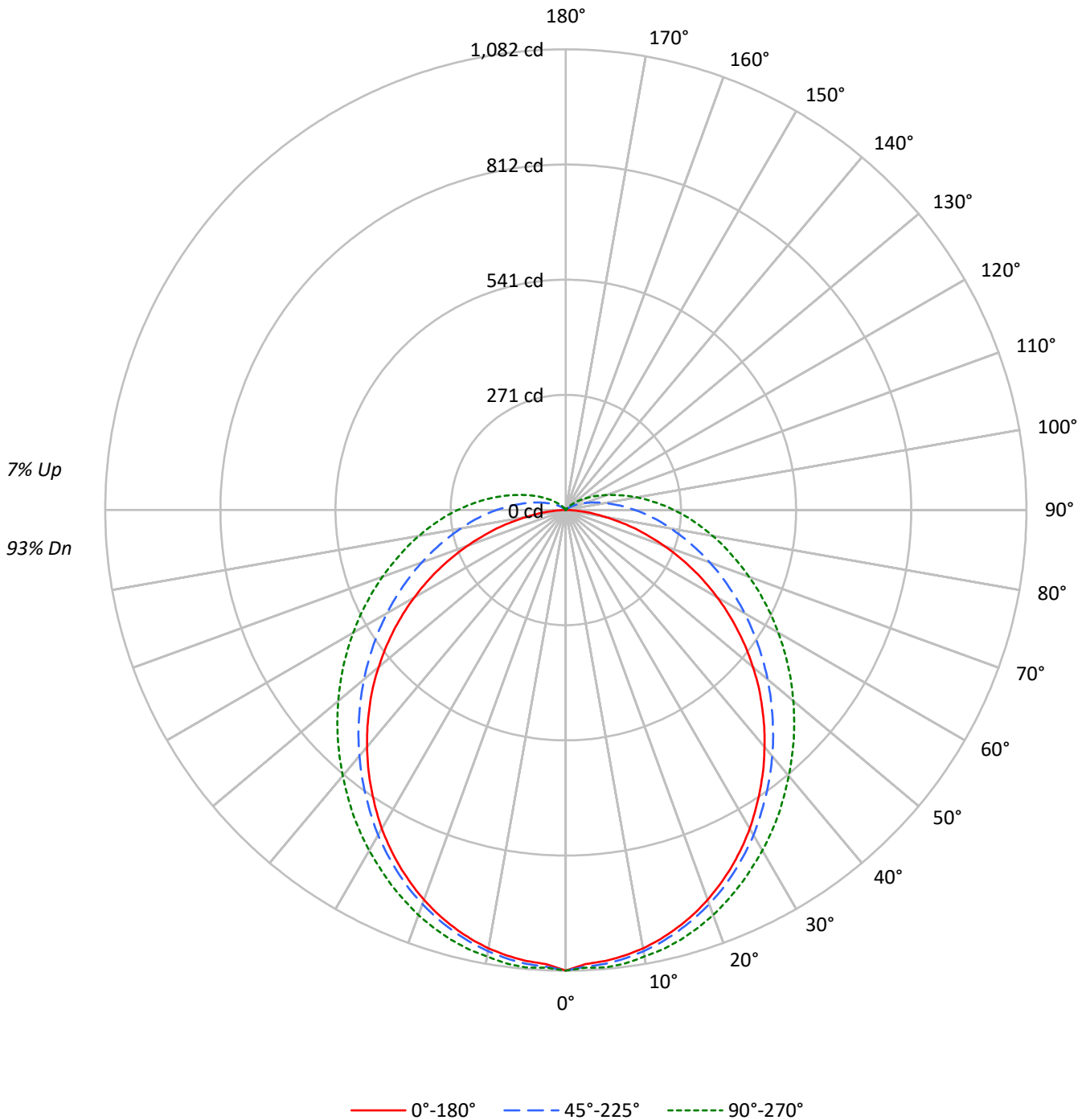
Test Method: LM-79-2019  
Report Number: P893559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-RND-UNV-L940  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3580.9 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35  
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<sub>in</sub>): 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

TEST NUMBER: P893559  
CATALOG NUMBER: 4MB-4SL-RND-UNV-L940

### 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7696	7696	7696
5°	7593	7641	7701
10°	7552	7601	7693
15°	7476	7538	7694
20°	7376	7460	7665
25°	7249	7356	7621
30°	7100	7246	7586
35°	6925	7116	7572
40°	6745	7005	7571
45°	6557	6907	7622
50°	6352	6848	7721
55°	6122	6835	7907
60°	5854	6902	8202
65°	5529	7083	8692
70°	5124	7483	9526
75°	4629	8330	11054
80°	3917	10264	14357
85°	3176	16719	24597

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 45281 cd/sqm



TEST NUMBER: P893559  
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.3	2.9
10°-20°	291.5	8.1
20°-30°	436.4	12.2
30°-40°	520.4	14.5
40°-50°	539.7	15.1
50°-60°	500.7	14.0
60°-70°	417.7	11.7
70°-80°	311.4	8.7
80°-90°	207.4	5.8
90°-100°	126.2	3.5
100°-110°	70.5	2.0
110°-120°	35.2	1.0
120°-130°	14.7	0.4
130°-140°	4.6	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	830.2	23.2
0°-40°	1350.6	37.7
0°-60°	2391.1	66.8
0°-90°	3327.6	92.9
90°-120°	231.9	6.5
90°-150°	252.4	7.0
90°-180°	253.0	7.1
0°-180°	3580.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1082	1082	1082	1082	1082	
5°	1063	1088	1070	1076	1078	101
15°	1015	1041	1023	1042	1044	286
25°	923	948	937	963	971	425
35°	797	818	819	860	872	499
45°	652	669	686	741	758	503
55°	494	510	551	615	637	441
65°	328	355	421	492	516	325
75°	168	215	303	377	402	178
85°	39	107	205	275	301	44
90°	2	70	162	229	254	3
95°	0	43	125	188	210	0
105°	0	14	69	116	134	0
115°	1	3	32	65	78	1
125°	1	1	13	31	39	1
135°	1	1	3	11	14	1
145°	1	1	1	2	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7
2.5°	1067.3	1069.0	1084.3	1083.4	1080.9	1091.0	1093.6	1085.1	1071.6	1085.1	1073.3
5°	1063.1	1064.8	1080.0	1079.2	1076.6	1087.7	1088.5	1080.9	1067.3	1080.9	1069.9
7.5°	1055.5	1057.2	1072.4	1071.6	1069.9	1080.9	1080.0	1074.1	1059.7	1074.1	1062.3
10°	1045.3	1046.2	1062.3	1060.6	1059.7	1070.7	1068.2	1063.1	1048.7	1063.1	1052.1
12.5°	1031.8	1032.6	1048.7	1047.0	1047.0	1057.2	1053.8	1049.6	1035.2	1048.7	1039.4
15°	1014.9	1015.7	1030.9	1030.1	1030.1	1041.1	1036.0	1032.6	1019.1	1033.5	1023.3
17.5°	996.2	995.4	1011.5	1009.8	1011.5	1021.6	1014.9	1013.2	1000.5	1014.0	1005.5
20°	974.2	974.2	988.6	987.8	990.3	999.6	991.2	992.0	979.3	993.7	985.2
22.5°	949.7	948.8	963.2	963.2	965.8	975.1	965.8	968.3	955.6	969.2	962.4
25°	923.4	921.8	936.1	936.1	940.4	948.0	937.8	941.2	929.4	942.9	937.0
27.5°	894.7	892.1	906.5	907.4	910.7	918.4	907.4	912.4	901.4	914.1	909.9
30°	864.2	861.7	876.0	876.9	881.1	887.0	876.0	882.8	872.7	885.4	882.0
32.5°	831.2	829.5	843.0	844.7	849.0	853.2	843.0	849.8	841.3	854.0	850.7
35°	797.3	795.6	808.3	810.9	815.1	818.5	807.5	816.8	809.2	821.0	819.3
37.5°	762.6	760.1	773.6	775.3	780.4	782.1	771.9	782.9	776.2	788.0	787.2
40°	726.2	723.7	737.2	738.9	744.0	744.0	735.5	747.4	742.3	753.3	754.2
42.5°	689.8	687.3	699.1	702.5	706.8	706.8	698.3	711.0	707.6	718.6	721.2
45°	651.7	649.2	660.2	663.6	668.7	668.7	660.2	674.6	672.1	683.1	686.4
47.5°	614.5	611.1	621.3	624.7	629.7	628.9	622.1	636.5	635.7	646.7	652.6
50°	573.9	571.3	581.5	584.9	590.8	589.1	584.0	599.3	599.3	610.3	618.7
52.5°	534.1	531.6	541.7	545.1	550.2	550.2	545.1	561.2	563.7	574.7	584.9
55°	493.5	490.1	500.2	503.6	509.5	510.4	506.2	522.2	527.3	540.0	551.0
57.5°	452.8	451.1	459.6	463.0	470.6	470.6	468.1	485.0	491.8	505.3	518.0
60°	411.4	409.7	417.3	421.5	430.0	431.7	430.0	447.8	457.1	470.6	485.0
62.5°	369.9	368.2	375.8	381.7	391.0	392.7	393.6	412.2	422.4	436.8	452.8
65°	328.4	326.7	334.3	341.1	352.1	354.7	357.2	376.7	388.5	403.7	420.7
67.5°	286.9	286.1	293.7	302.2	314.0	317.4	321.6	342.0	355.5	371.6	390.2
70°	246.3	245.5	253.1	263.2	277.6	281.9	286.9	307.3	324.2	341.1	359.7
72.5°	205.7	206.5	215.0	226.8	242.9	247.2	253.9	275.1	293.7	311.5	331.0
75°	168.4	168.4	177.7	191.3	209.1	215.0	222.6	244.6	264.1	282.7	303.0
77.5°	130.3	130.3	141.4	158.3	177.7	183.7	193.0	215.8	237.0	255.6	275.9
80°	95.6	97.3	110.0	127.0	147.3	154.9	165.9	188.8	211.6	230.2	250.5
82.5°	65.2	67.7	81.3	100.7	121.0	128.7	139.7	164.2	187.1	206.5	227.7
85°	38.9	43.2	57.6	77.0	98.2	106.6	118.5	141.4	164.2	183.7	204.8
87.5°	17.8	23.7	38.9	58.4	78.7	88.0	98.2	120.2	143.0	162.5	184.5
90°	1.7	10.2	25.4	42.3	61.8	70.3	80.4	101.6	123.6	141.4	162.5
92.5°	0.0	4.2	15.2	30.5	47.4	55.9	65.2	85.5	105.0	122.7	143.0
95°	0.0	1.7	8.5	21.2	35.5	43.2	51.6	70.3	89.7	106.6	125.3
97.5°	0.0	0.8	5.1	14.4	26.2	33.0	40.6	57.6	75.3	91.4	108.3
100°	0.0	0.8	2.5	9.3	19.5	24.5	32.2	46.6	62.6	77.0	94.0
102.5°	0.0	0.0	1.7	5.9	14.4	18.6	24.5	37.2	51.6	65.2	80.4
105°	0.0	0.0	0.8	4.2	10.2	13.5	18.6	29.6	42.3	54.2	68.6
107.5°	0.0	0.0	0.8	2.5	6.8	10.2	14.4	22.9	33.9	44.9	57.6
110°	0.8	0.8	0.8	1.7	5.1	7.6	10.2	17.8	27.9	37.2	48.2



TEST NUMBER: P893559

CATALOG NUMBER: 4MB-4SL-RND-UNV-L940

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	0.8	0.8	0.8	3.4	5.1	7.6	13.5	22.0	29.6	39.8
115°	0.8	0.8	0.8	0.8	2.5	3.4	5.1	10.2	16.9	23.7	32.2
117.5°	0.8	0.8	0.8	0.8	1.7	2.5	3.4	7.6	12.7	18.6	26.2
120°	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.1	10.2	14.4	21.2
122.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2	7.6	11.0	16.1
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.1	8.5	12.7
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.9	9.3
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	4.2	6.8
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.1
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
145°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7	1081.7
2.5°	1076.6	1079.2	1081.7	1075.0	1079.2	1086.8	1089.3	1079.2	1082.6	1075.8
5°	1073.3	1075.0	1078.3	1069.9	1075.8	1082.6	1086.8	1078.3	1083.4	1078.3
7.5°	1066.5	1068.2	1072.4	1064.0	1071.6	1077.5	1082.6	1074.1	1079.2	1074.1
10°	1056.3	1058.9	1064.8	1054.6	1064.0	1069.0	1074.1	1064.8	1069.9	1064.8
12.5°	1043.6	1047.9	1052.9	1043.6	1052.9	1057.2	1064.0	1054.6	1060.6	1056.3
15°	1028.4	1032.6	1039.4	1030.1	1041.9	1045.3	1052.1	1042.8	1048.7	1044.5
17.5°	1010.6	1015.7	1024.2	1013.2	1026.7	1029.2	1036.0	1027.6	1033.5	1029.2
20°	990.3	995.4	1003.9	993.7	1007.2	1008.9	1016.6	1008.9	1014.9	1012.3
22.5°	966.6	972.5	981.0	971.7	986.1	986.1	995.4	987.8	994.5	992.0
25°	942.1	948.8	958.1	948.0	963.2	963.2	973.4	965.8	972.5	970.8
27.5°	915.8	923.4	934.4	924.3	939.5	938.7	948.8	942.1	949.7	947.1
30°	887.9	896.4	907.4	898.9	915.0	913.3	923.4	917.5	924.3	923.4
32.5°	857.4	866.7	880.3	871.0	887.0	885.4	898.1	891.3	899.7	898.1
35°	827.0	837.1	850.7	842.2	860.0	857.4	870.1	864.2	872.7	871.8
37.5°	795.6	806.6	820.2	813.4	830.3	827.8	841.3	836.3	845.6	843.0
40°	763.5	774.5	788.9	782.9	800.7	797.3	811.7	807.5	816.8	815.1
42.5°	731.3	743.2	757.5	754.2	771.1	767.7	782.1	778.7	788.0	786.3
45°	698.3	711.0	726.2	722.8	740.6	737.2	751.6	749.1	758.4	757.5
47.5°	665.3	678.8	694.1	692.4	709.3	705.9	721.2	718.6	727.9	727.9
50°	631.4	646.7	661.9	661.1	678.0	674.6	688.1	688.1	698.3	697.5
52.5°	597.6	613.7	629.7	629.7	646.7	643.3	658.5	657.7	667.8	667.8
55°	565.4	579.8	595.9	599.3	615.3	610.3	626.4	628.0	636.5	637.4
57.5°	533.2	548.5	564.6	568.8	584.0	580.6	595.9	597.6	606.0	606.9
60°	501.1	515.5	531.6	537.5	552.7	549.3	564.6	566.3	575.6	576.4
62.5°	468.9	483.3	501.1	507.0	521.4	518.9	534.9	536.6	545.1	546.8
65°	437.6	452.8	469.8	478.2	491.8	488.4	504.5	506.2	515.5	516.3
67.5°	407.1	422.4	439.3	448.6	461.3	459.6	474.8	478.2	485.8	487.5
70°	377.5	392.7	410.5	419.8	432.5	431.7	446.1	448.6	457.1	457.9
72.5°	348.7	364.0	381.7	392.7	403.7	402.9	417.3	420.7	429.1	430.0
75°	320.8	336.9	353.8	365.7	376.7	375.8	390.2	393.6	401.2	402.1
77.5°	294.6	310.6	328.4	340.3	349.6	350.4	363.1	366.5	374.1	376.7
80°	270.0	285.2	302.2	314.9	323.3	325.0	336.9	341.1	347.0	350.4
82.5°	246.3	261.5	278.5	290.3	298.8	300.5	311.5	316.6	322.5	325.0
85°	223.5	238.7	254.8	267.5	275.1	275.9	286.9	292.0	297.1	301.3
87.5°	201.4	216.7	231.9	245.5	252.2	253.9	264.1	269.2	273.4	277.6
90°	179.4	194.7	209.9	222.6	229.4	230.2	241.2	246.3	250.5	253.9
92.5°	159.1	174.4	189.6	202.3	208.2	209.9	219.2	225.1	228.5	231.9
95°	139.7	154.9	168.4	182.0	187.9	190.4	198.9	204.0	208.2	209.9
97.5°	122.7	136.3	149.0	162.5	167.6	170.1	178.6	184.5	187.9	189.6
100°	106.6	119.3	131.2	143.9	149.0	151.5	159.1	164.2	167.6	170.1
102.5°	92.3	104.1	115.1	127.0	132.0	133.7	140.5	145.6	149.0	151.5
105°	79.6	90.6	100.7	111.7	116.0	118.5	124.4	128.7	132.0	133.7
107.5°	67.7	78.7	87.2	97.3	101.6	103.3	109.2	114.3	116.8	117.7
110°	57.6	66.9	75.3	83.8	88.9	90.6	95.6	99.9	102.4	103.3





TEST NUMBER: P893559  
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L940

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.2	56.7	64.3	71.9	76.2	77.9	82.9	87.2	88.9	89.7
115°	39.8	48.2	54.2	61.8	65.2	66.9	71.1	75.3	76.2	77.9
117.5°	32.2	39.8	45.7	51.6	55.0	56.7	60.1	63.5	65.2	66.0
120°	26.2	32.2	37.2	43.2	45.7	47.4	50.8	54.2	55.0	55.9
122.5°	21.2	26.2	30.5	35.5	38.1	39.8	42.3	44.9	45.7	46.6
125°	16.1	21.2	24.5	28.8	31.3	32.2	34.7	37.2	38.1	38.9
127.5°	12.7	16.1	19.5	22.9	24.5	25.4	27.9	29.6	30.5	31.3
130°	9.3	11.8	14.4	17.8	19.5	20.3	22.0	23.7	24.5	24.5
132.5°	6.8	9.3	11.0	13.5	14.4	15.2	16.9	18.6	18.6	19.5
135°	4.2	5.9	7.6	9.3	11.0	11.0	12.7	13.5	14.4	14.4
137.5°	3.4	4.2	5.1	6.8	7.6	8.5	8.5	10.2	10.2	10.2
140°	2.5	3.4	3.4	4.2	5.1	5.9	5.9	6.8	6.8	6.8
142.5°	1.7	2.5	2.5	3.4	3.4	4.2	4.2	4.2	5.1	5.1
145°	1.7	1.7	1.7	2.5	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7
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	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P893559  
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L940

**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	17.38	18.91	17.85	19.37	19.86	18.95	20.48	19.42	20.94	21.43
	3H	19.05	20.46	19.54	20.92	21.45	21.57	22.98	22.06	23.44	23.97
	4H	19.65	20.98	20.16	21.47	22.01	22.89	24.22	23.39	24.70	25.24
	6H	20.05	21.29	20.57	21.79	22.35	24.29	25.53	24.81	26.03	26.59
	8H	20.17	21.36	20.70	21.88	22.44	25.04	26.23	25.57	26.75	27.31
	12H	20.24	21.38	20.78	21.90	22.49	25.89	27.03	26.43	27.55	28.14
4H	2H	18.31	19.64	18.81	20.12	20.66	19.50	20.83	20.01	21.32	21.86
	3H	20.29	21.42	20.80	21.95	22.51	22.42	23.55	22.93	24.08	24.64
	4H	21.06	22.10	21.60	22.64	23.24	23.94	24.98	24.48	25.52	26.12
	6H	21.64	22.56	22.20	23.13	23.73	25.58	26.50	26.14	27.07	27.68
	8H	21.82	22.69	22.38	23.25	23.88	26.47	27.33	27.03	27.90	28.52
	12H	21.95	22.74	22.53	23.33	23.95	27.47	28.26	28.05	28.85	29.48
8H	4H	21.94	22.81	22.50	23.37	23.99	24.30	25.17	24.86	25.73	26.35
	6H	22.82	23.56	23.41	24.16	24.79	26.20	26.94	26.80	27.55	28.17
	8H	23.17	23.83	23.78	24.45	25.09	27.29	27.95	27.89	28.57	29.21
	12H	23.44	24.04	24.05	24.64	25.35	28.55	29.15	29.16	29.75	30.46
12H	4H	22.22	23.00	22.80	23.60	24.22	24.34	25.13	24.93	25.72	26.35
	6H	23.27	23.94	23.88	24.55	25.19	26.31	26.98	26.92	27.60	28.24
	8H	23.79	24.38	24.40	24.99	25.69	27.51	28.10	28.12	28.71	29.42