

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: P893396

Luminaire Tested: 4MB-3SL-FLT-UNV-L850

Issue Date: 11/11/2024

**Test Information**

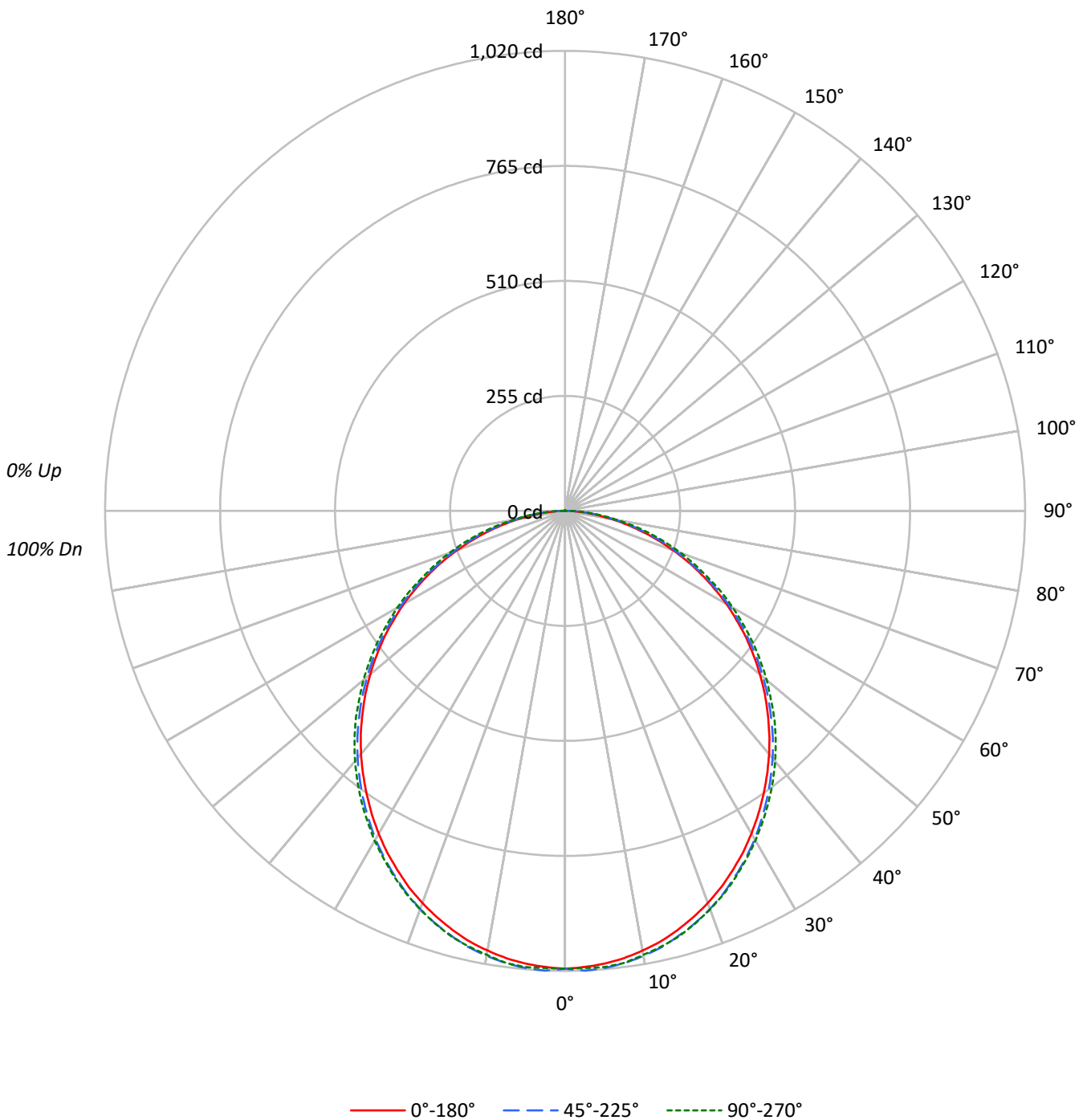
Test Method: LM-79-2019  
Report Number: P893396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-FLT-UNV-L850  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 5000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2817.9 lumens  
Efficiency: N/A  
Efficacy: 133.5 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): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.2  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893396  
CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P893396

CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**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°	7223	7223	7223
5°	7197	7266	7251
10°	7152	7238	7221
15°	7089	7182	7193
20°	7005	7112	7118
25°	6902	7013	7030
30°	6789	6905	6936
35°	6661	6778	6836
40°	6537	6647	6730
45°	6393	6498	6611
50°	6244	6343	6458
55°	6075	6168	6297
60°	5880	5975	6112
65°	5618	5731	5881
70°	5288	5442	5690
75°	4863	5066	5394
80°	4294	4630	4872
85°	3698	4245	4547

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 6611 cd/sqm



TEST NUMBER: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	3.4
10°-20°	273.6	9.7
20°-30°	410.0	14.6
30°-40°	487.9	17.3
40°-50°	500.6	17.8
50°-60°	448.5	15.9
60°-70°	340.8	12.1
70°-80°	198.1	7.0
80°-90°	59.4	2.1
90°-100°	1.4	0.0
100°-110°	0.2	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.3	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	779.6	27.7
0°-40°	1267.5	45.0
0°-60°	2216.6	78.7
0°-90°	2814.8	99.9
90°-120°	1.6	0.1
90°-150°	2.5	0.1
90°-180°	3.0	0.1
0°-180°	2817.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1008	1025	1017	1012	1015	96
15°	962	981	975	974	976	271
25°	879	899	893	892	896	405
35°	767	786	780	782	787	480
45°	635	651	646	651	657	490
55°	490	502	497	503	508	437
65°	334	342	340	346	349	330
75°	177	184	184	191	196	188
85°	45	49	52	56	56	50
90°	1	3	3	5	4	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	0
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: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2
2.5°	1012.2	1010.7	1012.2	1011.4	1018.9	1027.8	1026.3	1019.6	1012.2	1014.4	1020.4
5°	1007.7	1007.0	1009.2	1007.7	1015.2	1024.8	1021.8	1015.9	1009.2	1011.4	1017.4
7.5°	1000.3	1000.3	1003.3	1001.8	1008.5	1018.1	1015.2	1009.9	1003.3	1005.5	1011.4
10°	989.9	990.6	994.3	992.1	998.1	1008.5	1005.5	1000.3	994.3	995.8	1001.8
12.5°	978.0	978.0	982.5	980.2	986.2	995.8	992.1	988.4	982.5	983.9	990.6
15°	962.4	963.1	968.3	966.1	971.3	981.0	977.3	974.3	969.1	969.8	975.0
17.5°	944.6	946.8	952.0	949.8	955.0	964.6	960.2	957.2	952.7	953.5	958.7
20°	925.2	927.5	932.7	931.2	934.9	944.6	940.1	938.6	934.1	934.9	939.3
22.5°	903.7	905.9	911.9	910.4	914.1	923.7	918.5	917.8	913.3	914.1	917.8
25°	879.2	882.1	888.8	887.3	890.3	899.2	894.8	893.3	890.3	890.3	893.3
27.5°	853.9	856.9	864.3	862.1	864.3	874.0	868.7	868.0	865.0	865.0	868.0
30°	826.4	829.4	837.5	835.3	837.5	845.7	840.5	841.3	838.3	838.3	840.5
32.5°	797.4	799.6	808.6	807.1	808.6	816.7	811.5	812.3	809.3	810.0	810.8
35°	766.9	769.2	778.8	777.3	778.1	785.5	781.8	781.8	779.6	778.8	780.3
37.5°	735.7	738.0	749.8	746.1	746.1	753.6	750.6	750.6	748.4	747.6	748.4
40°	703.8	705.3	717.9	714.2	713.4	720.1	717.9	717.9	716.4	714.9	715.7
42.5°	670.3	672.6	685.2	682.2	679.2	686.7	684.4	685.2	683.0	681.5	681.5
45°	635.4	637.6	650.3	648.8	644.3	651.0	648.8	650.3	647.3	645.8	645.8
47.5°	600.5	603.4	615.3	613.1	608.6	615.3	613.1	614.6	611.6	610.1	610.1
50°	564.1	567.0	579.7	575.9	571.5	578.2	576.7	577.4	575.2	573.7	573.0
52.5°	526.9	530.6	542.5	538.0	534.3	540.3	539.5	540.3	537.3	536.6	535.8
55°	489.7	493.5	504.6	499.4	496.4	501.6	500.1	501.6	498.7	497.9	497.2
57.5°	451.1	454.8	465.2	460.0	457.8	462.2	461.5	462.2	460.0	459.3	458.5
60°	413.2	416.2	425.8	420.6	418.4	422.9	421.4	423.6	420.6	420.6	419.9
62.5°	373.1	376.8	386.4	380.5	379.0	382.7	381.2	383.5	382.0	380.5	379.8
65°	333.7	335.9	344.8	339.6	337.4	341.9	341.1	342.6	340.4	341.1	340.4
67.5°	294.3	295.8	304.7	298.7	297.3	301.7	302.5	301.7	300.2	301.0	300.2
70°	254.2	255.6	263.1	257.9	257.1	260.8	262.3	261.6	260.1	260.8	261.6
72.5°	215.5	216.3	222.9	218.5	217.7	222.2	222.2	222.2	222.2	222.2	223.7
75°	176.9	177.6	183.6	179.8	179.1	183.6	183.6	183.6	183.6	185.0	184.3
77.5°	139.7	139.0	144.9	142.7	141.2	145.7	145.7	146.4	147.9	149.4	147.1
80°	104.8	104.0	108.5	105.5	105.5	110.0	109.2	110.0	111.5	112.2	113.0
82.5°	73.6	72.1	75.8	75.1	74.3	78.0	78.8	78.0	80.3	81.0	81.0
85°	45.3	45.3	47.6	46.1	46.1	49.0	49.0	49.8	51.3	52.0	52.0
87.5°	21.6	20.8	23.0	22.3	21.6	23.8	23.8	24.5	25.3	26.0	25.3
90°	0.7	0.7	1.5	1.5	1.5	3.0	3.0	3.0	3.7	3.7	3.0
92.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5
95°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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	0.7



TEST NUMBER: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**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	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7
132.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
135°	0.0	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
165°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
170°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	1.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2
2.5°	1011.4	1006.2	1004.0	1005.5	1015.9	1005.5	1016.6	1020.4	1007.0	1014.4
5°	1008.5	1003.3	1000.3	1001.8	1012.2	1002.5	1014.4	1018.9	1007.7	1015.2
7.5°	1002.5	996.6	995.1	997.3	1006.2	998.1	1009.9	1014.4	1003.3	1010.7
10°	993.6	988.4	986.9	989.1	997.3	989.1	999.5	1003.3	992.9	999.5
12.5°	982.5	977.3	975.8	978.7	986.2	978.7	989.1	992.9	982.5	989.1
15°	968.3	963.1	962.4	966.8	973.5	966.8	977.3	980.2	969.8	976.5
17.5°	951.2	946.0	946.8	952.0	957.2	951.2	960.9	963.9	954.2	959.4
20°	932.7	926.7	928.2	932.7	937.1	931.2	940.8	943.8	934.9	940.1
22.5°	911.1	905.2	906.7	911.9	914.8	909.6	918.5	921.5	914.1	919.3
25°	887.3	882.1	884.4	889.6	891.8	887.3	895.5	897.7	891.0	895.5
27.5°	863.5	857.6	860.6	865.8	867.3	862.8	871.0	872.5	865.8	870.2
30°	836.8	830.8	834.6	840.5	840.5	837.5	844.2	845.7	840.5	844.2
32.5°	807.1	802.6	807.1	812.3	811.5	809.3	816.0	817.5	813.0	816.0
35°	777.3	773.6	778.1	783.3	782.5	780.3	787.0	787.7	784.0	787.0
37.5°	746.9	743.9	748.4	752.8	751.3	749.8	755.8	755.8	753.6	756.5
40°	715.7	712.7	716.4	721.6	718.6	718.6	722.3	723.8	721.6	724.6
42.5°	683.0	680.0	684.4	688.9	685.9	685.2	689.6	690.4	688.9	691.1
45°	648.8	645.8	650.3	654.0	651.0	651.0	654.7	654.7	654.0	657.0
47.5°	613.8	611.6	615.3	619.0	616.1	618.3	618.3	618.3	619.8	619.0
50°	578.2	575.9	578.9	583.4	579.7	580.4	581.9	581.9	582.6	583.4
52.5°	541.0	538.0	541.0	546.2	541.0	543.2	544.0	544.7	547.0	545.5
55°	503.9	500.9	503.9	508.3	503.1	506.1	506.1	506.8	509.1	507.6
57.5°	465.2	462.2	466.7	469.7	464.5	467.4	467.4	468.9	470.4	468.2
60°	426.6	424.3	425.8	431.0	425.8	428.8	428.8	428.8	431.8	429.5
62.5°	387.2	385.7	387.2	391.6	386.4	389.4	388.7	389.4	392.4	391.6
65°	347.1	345.6	347.1	351.5	346.3	349.3	349.3	350.0	352.3	349.3
67.5°	307.7	305.4	307.7	311.4	306.9	309.2	309.2	309.2	312.9	311.4
70°	267.5	266.0	267.5	271.3	267.5	269.0	269.0	269.0	272.7	273.5
72.5°	228.1	228.1	229.6	232.6	229.6	232.6	230.4	228.9	234.1	234.8
75°	189.5	190.2	191.0	194.0	191.0	194.0	192.5	191.0	195.5	196.2
77.5°	153.8	153.8	154.6	156.8	154.6	156.8	155.3	155.3	158.3	157.5
80°	117.4	117.4	118.2	120.4	118.2	120.4	118.9	118.9	121.9	118.9
82.5°	85.5	85.5	85.5	87.7	86.2	87.7	86.9	85.5	89.2	86.2
85°	55.0	55.7	55.7	56.5	55.7	56.5	56.5	55.7	58.0	55.7
87.5°	28.2	28.2	28.2	29.0	28.2	28.2	29.0	28.2	29.7	29.0
90°	5.2	4.5	4.5	5.9	5.2	5.2	5.9	4.5	5.2	4.5
92.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0
95°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
97.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
100°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
102.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
105°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
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	0.7	0.0	0.0	0.0	0.7





TEST NUMBER: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.7	0.7	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°	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
165°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
170°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P893396  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L850

**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	18.38	20.01	18.74	20.33	20.65	18.51	20.15	18.88	20.47	20.78
	3H	20.20	21.68	20.58	22.01	22.37	20.35	21.83	20.72	22.16	22.52
	4H	20.86	22.26	21.26	22.61	22.98	21.05	22.45	21.45	22.80	23.18
	6H	21.31	22.61	21.73	22.97	23.37	21.61	22.90	22.02	23.27	23.66
	8H	21.45	22.69	21.88	23.08	23.48	21.80	23.04	22.23	23.43	23.83
	12H	21.55	22.73	21.98	23.12	23.55	21.95	23.13	22.38	23.52	23.95
4H	2H	19.01	20.41	19.41	20.76	21.13	19.12	20.51	19.52	20.86	21.24
	3H	21.05	22.22	21.46	22.62	23.03	21.19	22.36	21.60	22.76	23.16
	4H	21.85	22.91	22.28	23.32	23.76	22.03	23.09	22.46	23.51	23.94
	6H	22.42	23.35	22.88	23.79	24.25	22.72	23.65	23.18	24.09	24.55
	8H	22.61	23.48	23.07	23.92	24.39	22.97	23.84	23.43	24.28	24.75
	12H	22.75	23.54	23.23	24.01	24.48	23.16	23.94	23.64	24.42	24.89
8H	4H	22.17	23.04	22.64	23.49	23.96	22.34	23.21	22.80	23.65	24.12
	6H	22.88	23.60	23.37	24.09	24.57	23.17	23.89	23.66	24.38	24.86
	8H	23.14	23.79	23.65	24.30	24.79	23.50	24.15	24.01	24.65	25.14
	12H	23.36	23.93	23.86	24.42	24.99	23.78	24.35	24.29	24.85	25.41
12H	4H	22.22	23.00	22.70	23.48	23.95	22.37	23.15	22.85	23.63	24.10
	6H	22.95	23.60	23.46	24.11	24.59	23.22	23.87	23.73	24.38	24.87
	8H	23.27	23.85	23.78	24.34	24.90	23.62	24.19	24.12	24.68	25.25