

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: P893397

Luminaire Tested: 4MB-3SL-FLT-UNV-L930

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893397  
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-L930  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

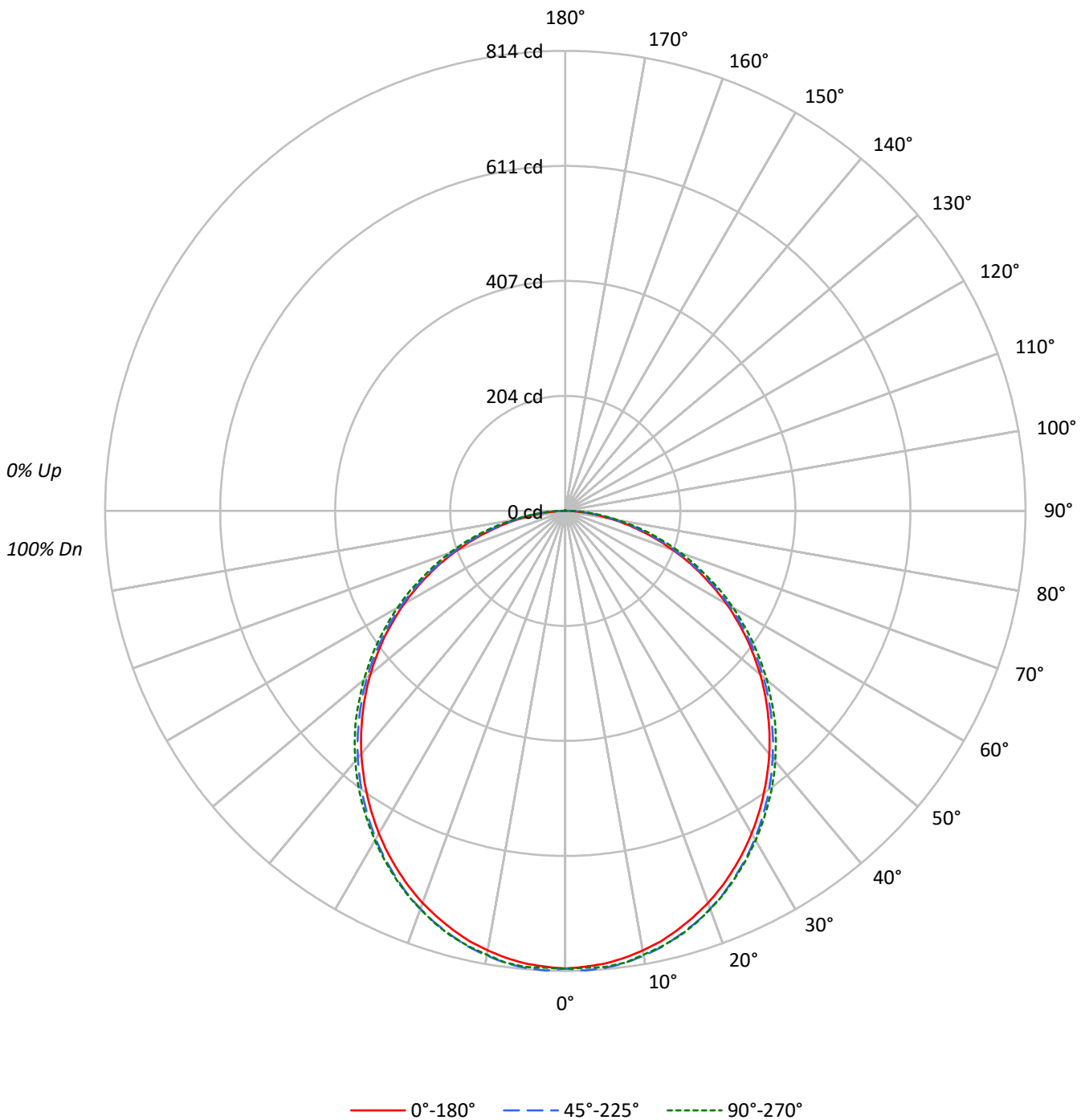
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2248.0 lumens  
Efficiency: N/A  
Efficacy: 106.5 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: P893397  
CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P893397

CATALOG NUMBER: 4MB-3SL-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°	5762	5762	5762
5°	5742	5797	5784
10°	5705	5773	5761
15°	5655	5729	5738
20°	5589	5673	5678
25°	5506	5594	5608
30°	5416	5509	5533
35°	5314	5407	5453
40°	5214	5303	5368
45°	5100	5184	5274
50°	4981	5060	5151
55°	4846	4920	5023
60°	4690	4767	4877
65°	4482	4571	4690
70°	4219	4342	4539
75°	3879	4041	4302
80°	3425	3692	3888
85°	2955	3388	3633

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5274 cd/sqm



TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.6	3.4
10°-20°	218.3	9.7
20°-30°	327.1	14.5
30°-40°	389.2	17.3
40°-50°	399.3	17.8
50°-60°	357.8	15.9
60°-70°	271.8	12.1
70°-80°	158.0	7.0
80°-90°	47.4	2.1
90°-100°	1.1	0.1
100°-110°	0.2	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	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°	621.9	27.7
0°-40°	1011.1	45.0
0°-60°	1768.2	78.7
0°-90°	2245.4	99.9
90°-120°	1.3	0.1
90°-150°	2.0	0.1
90°-180°	3.0	0.1
0°-180°	2248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	804	818	812	807	810	76
15°	768	782	778	777	779	216
25°	701	717	713	711	714	323
35°	612	627	622	624	628	383
45°	507	519	515	519	524	391
55°	391	400	397	401	405	349
65°	266	273	272	276	279	263
75°	141	146	147	152	156	150
85°	36	39	42	44	44	40
90°	1	2	2	4	4	3
95°	0	1	1	1	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°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
2.5°	807.4	806.3	807.4	806.9	812.8	819.9	818.7	813.4	807.4	809.2	814.0
5°	803.9	803.3	805.1	803.9	809.8	817.5	815.2	810.4	805.1	806.9	811.6
7.5°	798.0	798.0	800.3	799.1	804.5	812.2	809.8	805.7	800.3	802.1	806.9
10°	789.7	790.3	793.2	791.4	796.2	804.5	802.1	798.0	793.2	794.4	799.1
12.5°	780.2	780.2	783.7	782.0	786.7	794.4	791.4	788.5	783.7	784.9	790.3
15°	767.7	768.3	772.5	770.7	774.8	782.5	779.6	777.2	773.1	773.7	777.8
17.5°	753.5	755.3	759.4	757.6	761.8	769.5	765.9	763.6	760.0	760.6	764.8
20°	738.1	739.9	744.0	742.8	745.8	753.5	749.9	748.8	745.2	745.8	749.3
22.5°	720.9	722.7	727.4	726.2	729.2	736.9	732.7	732.2	728.6	729.2	732.2
25°	701.3	703.7	709.0	707.8	710.2	717.3	713.8	712.6	710.2	710.2	712.6
27.5°	681.2	683.5	689.5	687.7	689.5	697.2	693.0	692.4	690.1	690.1	692.4
30°	659.2	661.6	668.1	666.3	668.1	674.6	670.5	671.1	668.7	668.7	670.5
32.5°	636.1	637.9	645.0	643.8	645.0	651.5	647.4	648.0	645.6	646.2	646.8
35°	611.8	613.6	621.3	620.1	620.7	626.6	623.7	623.7	621.9	621.3	622.5
37.5°	586.9	588.7	598.2	595.2	595.2	601.1	598.8	598.8	597.0	596.4	597.0
40°	561.4	562.6	572.7	569.7	569.1	574.5	572.7	572.7	571.5	570.3	570.9
42.5°	534.7	536.5	546.6	544.2	541.9	547.8	546.0	546.6	544.8	543.6	543.6
45°	506.9	508.7	518.7	517.5	514.0	519.3	517.5	518.7	516.4	515.2	515.2
47.5°	479.0	481.4	490.9	489.1	485.5	490.9	489.1	490.3	487.9	486.7	486.7
50°	450.0	452.3	462.4	459.4	455.9	461.2	460.0	460.6	458.9	457.7	457.1
52.5°	420.3	423.3	432.8	429.2	426.3	431.0	430.4	431.0	428.6	428.0	427.4
55°	390.7	393.6	402.5	398.4	396.0	400.2	399.0	400.2	397.8	397.2	396.6
57.5°	359.9	362.8	371.1	367.0	365.2	368.7	368.2	368.7	367.0	366.4	365.8
60°	329.6	332.0	339.7	335.5	333.8	337.3	336.1	337.9	335.5	335.5	335.0
62.5°	297.6	300.6	308.3	303.5	302.3	305.3	304.1	305.9	304.7	303.5	302.9
65°	266.2	268.0	275.1	270.9	269.1	272.7	272.1	273.3	271.5	272.1	271.5
67.5°	234.8	235.9	243.1	238.3	237.1	240.7	241.3	240.7	239.5	240.1	239.5
70°	202.8	203.9	209.9	205.7	205.1	208.1	209.3	208.7	207.5	208.1	208.7
72.5°	171.9	172.5	177.9	174.3	173.7	177.3	177.3	177.3	177.3	177.3	178.4
75°	141.1	141.7	146.4	143.5	142.9	146.4	146.4	146.4	146.4	147.6	147.0
77.5°	111.5	110.9	115.6	113.8	112.6	116.2	116.2	116.8	118.0	119.2	117.4
80°	83.6	83.0	86.6	84.2	84.2	87.7	87.1	87.7	88.9	89.5	90.1
82.5°	58.7	57.5	60.5	59.9	59.3	62.2	62.8	62.2	64.0	64.6	64.6
85°	36.2	36.2	37.9	36.8	36.8	39.1	39.1	39.7	40.9	41.5	41.5
87.5°	17.2	16.6	18.4	17.8	17.2	19.0	19.0	19.6	20.2	20.7	20.2
90°	0.6	0.6	1.2	1.2	1.2	2.4	2.4	2.4	3.0	3.0	2.4
92.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
95°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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	0.6



TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**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	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6
132.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
135°	0.0	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.6
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
2.5°	806.9	802.7	800.9	802.1	810.4	802.1	811.0	814.0	803.3	809.2
5°	804.5	800.3	798.0	799.1	807.4	799.7	809.2	812.8	803.9	809.8
7.5°	799.7	795.0	793.8	795.6	802.7	796.2	805.7	809.2	800.3	806.3
10°	792.6	788.5	787.3	789.1	795.6	789.1	797.4	800.3	792.0	797.4
12.5°	783.7	779.6	778.4	780.8	786.7	780.8	789.1	792.0	783.7	789.1
15°	772.5	768.3	767.7	771.3	776.6	771.3	779.6	782.0	773.7	779.0
17.5°	758.8	754.7	755.3	759.4	763.6	758.8	766.5	768.9	761.2	765.4
20°	744.0	739.3	740.5	744.0	747.6	742.8	750.5	752.9	745.8	749.9
22.5°	726.8	722.1	723.3	727.4	729.8	725.6	732.7	735.1	729.2	733.3
25°	707.8	703.7	705.5	709.6	711.4	707.8	714.4	716.1	710.8	714.4
27.5°	688.9	684.1	686.5	690.7	691.8	688.3	694.8	696.0	690.7	694.2
30°	667.5	662.8	665.8	670.5	670.5	668.1	673.5	674.6	670.5	673.5
32.5°	643.8	640.3	643.8	648.0	647.4	645.6	650.9	652.1	648.6	650.9
35°	620.1	617.1	620.7	624.9	624.3	622.5	627.8	628.4	625.4	627.8
37.5°	595.8	593.4	597.0	600.5	599.4	598.2	602.9	602.9	601.1	603.5
40°	570.9	568.5	571.5	575.6	573.3	573.3	576.2	577.4	575.6	578.0
42.5°	544.8	542.4	546.0	549.6	547.2	546.6	550.2	550.7	549.6	551.3
45°	517.5	515.2	518.7	521.7	519.3	519.3	522.3	522.3	521.7	524.1
47.5°	489.7	487.9	490.9	493.8	491.5	493.2	493.2	493.2	494.4	493.8
50°	461.2	459.4	461.8	465.4	462.4	463.0	464.2	464.2	464.8	465.4
52.5°	431.6	429.2	431.6	435.7	431.6	433.4	434.0	434.5	436.3	435.1
55°	401.9	399.6	401.9	405.5	401.4	403.7	403.7	404.3	406.1	404.9
57.5°	371.1	368.7	372.3	374.7	370.5	372.9	372.9	374.1	375.3	373.5
60°	340.3	338.5	339.7	343.8	339.7	342.1	342.1	342.1	344.4	342.7
62.5°	308.9	307.7	308.9	312.4	308.3	310.6	310.1	310.6	313.0	312.4
65°	276.9	275.7	276.9	280.4	276.3	278.6	278.6	279.2	281.0	278.6
67.5°	245.4	243.7	245.4	248.4	244.8	246.6	246.6	246.6	249.6	248.4
70°	213.4	212.2	213.4	216.4	213.4	214.6	214.6	214.6	217.6	218.2
72.5°	182.0	182.0	183.2	185.6	183.2	185.6	183.8	182.6	186.7	187.3
75°	151.2	151.8	152.4	154.7	152.4	154.7	153.5	152.4	155.9	156.5
77.5°	122.7	122.7	123.3	125.1	123.3	125.1	123.9	123.9	126.3	125.7
80°	93.7	93.7	94.3	96.0	94.3	96.0	94.9	94.9	97.2	94.9
82.5°	68.2	68.2	68.2	70.0	68.8	70.0	69.4	68.2	71.1	68.8
85°	43.9	44.5	44.5	45.1	44.5	45.1	45.1	44.5	46.2	44.5
87.5°	22.5	22.5	22.5	23.1	22.5	22.5	23.1	22.5	23.7	23.1
90°	4.1	3.6	3.6	4.7	4.1	4.1	4.7	3.6	4.1	3.6
92.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4
95°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
97.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
100°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
102.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
105°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
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	0.6	0.0	0.0	0.0	0.6





TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**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	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.6	0.6	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°	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.0
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
145°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
170°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
175°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P893397  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L930

**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	17.59	19.23	17.96	19.54	19.86	17.73	19.36	18.09	19.68	20.00
	3H	19.41	20.90	19.79	21.22	21.59	19.56	21.04	19.94	21.37	21.73
	4H	20.08	21.47	20.48	21.82	22.20	20.27	21.66	20.67	22.01	22.39
	6H	20.53	21.82	20.94	22.19	22.58	20.82	22.12	21.24	22.49	22.88
	8H	20.67	21.90	21.09	22.30	22.70	21.02	22.26	21.45	22.65	23.05
	12H	20.76	21.95	21.19	22.33	22.76	21.16	22.35	21.59	22.73	23.16
4H	2H	18.23	19.62	18.63	19.97	20.35	18.33	19.73	18.73	20.08	20.46
	3H	20.27	21.44	20.68	21.84	22.24	20.40	21.57	20.81	21.97	22.37
	4H	21.06	22.12	21.49	22.54	22.97	21.24	22.31	21.68	22.72	23.16
	6H	21.64	22.56	22.09	23.01	23.46	21.94	22.87	22.39	23.31	23.77
	8H	21.82	22.69	22.29	23.14	23.61	22.18	23.05	22.64	23.50	23.96
	12H	21.97	22.75	22.45	23.23	23.70	22.38	23.16	22.86	23.64	24.11
8H	4H	21.39	22.26	21.85	22.70	23.17	21.55	22.42	22.02	22.87	23.33
	6H	22.09	22.82	22.59	23.30	23.78	22.38	23.10	22.87	23.59	24.07
	8H	22.36	23.01	22.87	23.51	24.00	22.71	23.36	23.22	23.87	24.36
	12H	22.57	23.15	23.08	23.64	24.20	22.99	23.57	23.50	24.06	24.62
12H	4H	21.43	22.21	21.91	22.69	23.16	21.59	22.37	22.07	22.85	23.32
	6H	22.16	22.81	22.67	23.32	23.81	22.44	23.09	22.95	23.60	24.08
	8H	22.49	23.06	23.00	23.56	24.12	22.83	23.41	23.34	23.90	24.46