

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: P893399

Luminaire Tested: 4MB-3SL-FLT-UNV-L940

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893399  
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-L940  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

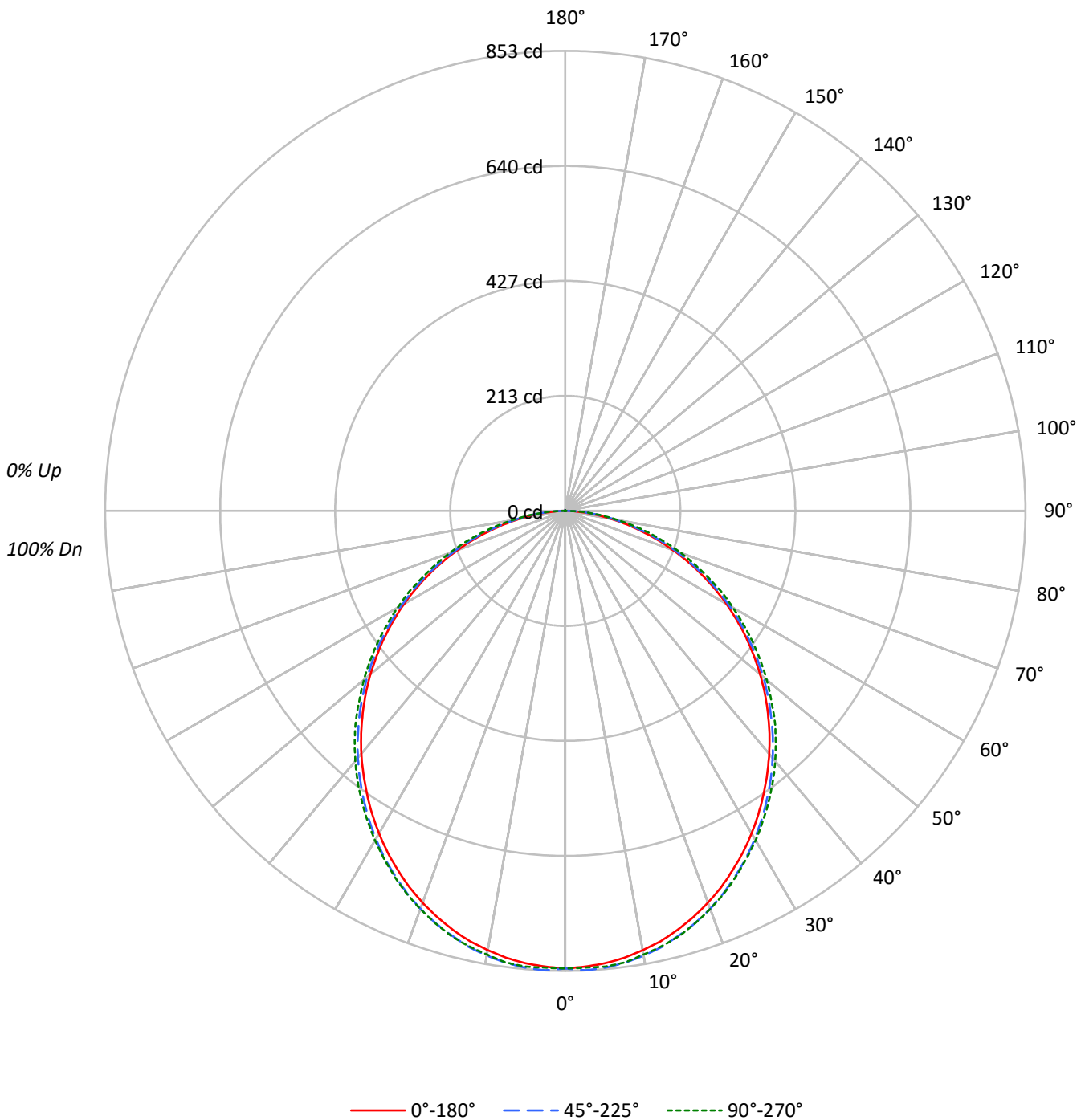
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2354.9 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

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CATALOG NUMBER: 4MB-3SL-FLT-UNV-L940

### Luminous Intensity Polar Plot





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**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°	6036	6036	6036
5°	6015	6072	6059
10°	5976	6049	6035
15°	5924	6002	6011
20°	5854	5944	5948
25°	5768	5860	5875
30°	5674	5771	5796
35°	5567	5664	5713
40°	5462	5555	5624
45°	5343	5431	5524
50°	5218	5300	5396
55°	5077	5154	5262
60°	4914	4993	5109
65°	4695	4788	4914
70°	4419	4548	4753
75°	4063	4233	4508
80°	3589	3868	4073
85°	3094	3551	3804

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5524 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	3.4
10°-20°	228.7	9.7
20°-30°	342.6	14.6
30°-40°	407.7	17.3
40°-50°	418.3	17.8
50°-60°	374.8	15.9
60°-70°	284.8	12.1
70°-80°	165.5	7.0
80°-90°	49.7	2.1
90°-100°	1.2	0.0
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°	651.5	27.7
0°-40°	1059.2	45.0
0°-60°	1852.4	78.7
0°-90°	2352.3	99.9
90°-120°	1.4	0.1
90°-150°	2.1	0.1
90°-180°	3.0	0.1
0°-180°	2354.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	842	856	850	846	848	80
15°	804	820	815	814	816	227
25°	735	752	746	745	748	339
35°	641	656	652	654	658	401
45°	531	544	540	544	549	410
55°	409	419	416	420	424	366
65°	279	286	284	289	292	276
75°	148	153	154	160	164	157
85°	38	41	44	47	47	41
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: P893399  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	845.9	844.6	845.9	845.3	851.5	858.9	857.7	852.1	845.9	847.7	852.7
5°	842.2	841.5	843.4	842.2	848.4	856.4	854.0	849.0	843.4	845.3	850.2
7.5°	835.9	835.9	838.4	837.2	842.8	850.8	848.4	844.0	838.4	840.3	845.3
10°	827.2	827.9	831.0	829.1	834.1	842.8	840.3	835.9	831.0	832.2	837.2
12.5°	817.3	817.3	821.0	819.2	824.1	832.2	829.1	826.0	821.0	822.3	827.9
15°	804.3	804.9	809.2	807.4	811.7	819.8	816.7	814.2	809.9	810.5	814.8
17.5°	789.4	791.2	795.6	793.7	798.1	806.1	802.4	799.9	796.2	796.8	801.2
20°	773.2	775.1	779.4	778.2	781.3	789.4	785.6	784.4	780.7	781.3	785.0
22.5°	755.2	757.1	762.0	760.8	763.9	772.0	767.6	767.0	763.3	763.9	767.0
25°	734.7	737.2	742.8	741.5	744.0	751.5	747.8	746.5	744.0	744.0	746.5
27.5°	713.6	716.1	722.3	720.4	722.3	730.4	726.0	725.4	722.9	722.9	725.4
30°	690.6	693.1	699.9	698.1	699.9	706.8	702.4	703.0	700.6	700.6	702.4
32.5°	666.4	668.3	675.7	674.5	675.7	682.5	678.2	678.8	676.3	677.0	677.6
35°	640.9	642.8	650.9	649.6	650.2	656.5	653.3	653.3	651.5	650.9	652.1
37.5°	614.8	616.7	626.6	623.5	623.5	629.7	627.3	627.3	625.4	624.8	625.4
40°	588.1	589.4	599.9	596.8	596.2	601.8	599.9	599.9	598.7	597.5	598.1
42.5°	560.2	562.1	572.6	570.1	567.6	573.9	572.0	572.6	570.7	569.5	569.5
45°	531.0	532.9	543.4	542.2	538.5	544.0	542.2	543.4	540.9	539.7	539.7
47.5°	501.8	504.3	514.2	512.4	508.6	514.2	512.4	513.6	511.1	509.9	509.9
50°	471.4	473.9	484.4	481.3	477.6	483.2	481.9	482.6	480.7	479.5	478.8
52.5°	440.3	443.4	453.4	449.6	446.5	451.5	450.9	451.5	449.0	448.4	447.8
55°	409.3	412.4	421.7	417.3	414.9	419.2	418.0	419.2	416.7	416.1	415.5
57.5°	377.0	380.1	388.8	384.4	382.6	386.3	385.7	386.3	384.4	383.8	383.2
60°	345.3	347.8	355.9	351.5	349.7	353.4	352.1	354.0	351.5	351.5	350.9
62.5°	311.8	314.9	322.9	318.0	316.7	319.8	318.6	320.5	319.2	318.0	317.4
65°	278.9	280.7	288.2	283.8	282.0	285.7	285.1	286.3	284.4	285.1	284.4
67.5°	245.9	247.2	254.6	249.7	248.4	252.1	252.8	252.1	250.9	251.5	250.9
70°	212.4	213.6	219.9	215.5	214.9	218.0	219.2	218.6	217.4	218.0	218.6
72.5°	180.1	180.7	186.3	182.6	182.0	185.7	185.7	185.7	185.7	185.7	186.9
75°	147.8	148.4	153.4	150.3	149.7	153.4	153.4	153.4	153.4	154.6	154.0
77.5°	116.8	116.1	121.1	119.2	118.0	121.7	121.7	122.3	123.6	124.8	123.0
80°	87.6	86.9	90.7	88.2	88.2	91.9	91.3	91.9	93.2	93.8	94.4
82.5°	61.5	60.2	63.3	62.7	62.1	65.2	65.8	65.2	67.1	67.7	67.7
85°	37.9	37.9	39.7	38.5	38.5	41.0	41.0	41.6	42.9	43.5	43.5
87.5°	18.0	17.4	19.3	18.6	18.0	19.9	19.9	20.5	21.1	21.7	21.1
90°	0.6	0.6	1.2	1.2	1.2	2.5	2.5	2.5	3.1	3.1	2.5
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



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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	0.6	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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	845.3	840.9	839.0	840.3	849.0	840.3	849.6	852.7	841.5	847.7
5°	842.8	838.4	835.9	837.2	845.9	837.8	847.7	851.5	842.2	848.4
7.5°	837.8	832.8	831.6	833.5	840.9	834.1	844.0	847.7	838.4	844.6
10°	830.4	826.0	824.8	826.6	833.5	826.6	835.3	838.4	829.7	835.3
12.5°	821.0	816.7	815.4	817.9	824.1	817.9	826.6	829.7	821.0	826.6
15°	809.2	804.9	804.3	808.0	813.6	808.0	816.7	819.2	810.5	816.1
17.5°	795.0	790.6	791.2	795.6	799.9	795.0	803.0	805.5	797.4	801.8
20°	779.4	774.5	775.7	779.4	783.2	778.2	786.3	788.7	781.3	785.6
22.5°	761.4	756.4	757.7	762.0	764.5	760.2	767.6	770.1	763.9	768.2
25°	741.5	737.2	739.1	743.4	745.3	741.5	748.4	750.2	744.6	748.4
27.5°	721.7	716.7	719.2	723.5	724.8	721.0	727.9	729.1	723.5	727.3
30°	699.3	694.3	697.4	702.4	702.4	699.9	705.5	706.8	702.4	705.5
32.5°	674.5	670.7	674.5	678.8	678.2	676.3	681.9	683.2	679.4	681.9
35°	649.6	646.5	650.2	654.6	654.0	652.1	657.7	658.3	655.2	657.7
37.5°	624.2	621.7	625.4	629.1	627.9	626.6	631.6	631.6	629.7	632.2
40°	598.1	595.6	598.7	603.0	600.6	600.6	603.7	604.9	603.0	605.5
42.5°	570.7	568.3	572.0	575.7	573.2	572.6	576.3	577.0	575.7	577.6
45°	542.2	539.7	543.4	546.5	544.0	544.0	547.1	547.1	546.5	549.0
47.5°	513.0	511.1	514.2	517.3	514.9	516.7	516.7	516.7	518.0	517.3
50°	483.2	481.3	483.8	487.5	484.4	485.0	486.3	486.3	486.9	487.5
52.5°	452.1	449.6	452.1	456.5	452.1	454.0	454.6	455.2	457.1	455.9
55°	421.1	418.6	421.1	424.8	420.5	422.9	422.9	423.6	425.4	424.2
57.5°	388.8	386.3	390.0	392.5	388.2	390.6	390.6	391.9	393.1	391.3
60°	356.5	354.6	355.9	360.2	355.9	358.3	358.3	358.3	360.8	359.0
62.5°	323.6	322.3	323.6	327.3	322.9	325.4	324.8	325.4	327.9	327.3
65°	290.0	288.8	290.0	293.8	289.4	291.9	291.9	292.5	294.4	291.9
67.5°	257.1	255.3	257.1	260.2	256.5	258.4	258.4	258.4	261.5	260.2
70°	223.6	222.3	223.6	226.7	223.6	224.8	224.8	224.8	227.9	228.5
72.5°	190.7	190.7	191.9	194.4	191.9	194.4	192.5	191.3	195.6	196.3
75°	158.4	159.0	159.6	162.1	159.6	162.1	160.9	159.6	163.3	164.0
77.5°	128.6	128.6	129.2	131.0	129.2	131.0	129.8	129.8	132.3	131.7
80°	98.1	98.1	98.7	100.6	98.7	100.6	99.4	99.4	101.9	99.4
82.5°	71.4	71.4	71.4	73.3	72.0	73.3	72.7	71.4	74.5	72.0
85°	46.0	46.6	46.6	47.2	46.6	47.2	47.2	46.6	48.4	46.6
87.5°	23.6	23.6	23.6	24.2	23.6	23.6	24.2	23.6	24.8	24.2
90°	4.3	3.7	3.7	5.0	4.3	4.3	5.0	3.7	4.3	3.7
92.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5
95°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.9
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: P893399  
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L940

**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: P893399  
 CATALOG NUMBER: 4MB-3SL-FLT-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	17.75	19.39	18.12	19.71	20.02	17.89	19.52	18.25	19.84	20.16
	3H	19.58	21.06	19.95	21.39	21.75	19.72	21.20	20.10	21.53	21.89
	4H	20.24	21.63	20.64	21.98	22.36	20.43	21.82	20.83	22.17	22.55
	6H	20.69	21.98	21.10	22.35	22.74	20.99	22.28	21.40	22.65	23.04
	8H	20.83	22.07	21.25	22.46	22.86	21.18	22.42	21.61	22.81	23.21
	12H	20.92	22.11	21.36	22.49	22.93	21.32	22.51	21.75	22.89	23.32
4H	2H	18.39	19.78	18.79	20.13	20.51	18.49	19.89	18.89	20.24	20.62
	3H	20.43	21.60	20.84	22.00	22.40	20.56	21.73	20.97	22.13	22.54
	4H	21.22	22.28	21.65	22.70	23.14	21.41	22.47	21.84	22.88	23.32
	6H	21.80	22.72	22.25	23.17	23.62	22.10	23.03	22.55	23.47	23.93
	8H	21.99	22.86	22.45	23.30	23.77	22.34	23.21	22.81	23.66	24.13
	12H	22.13	22.91	22.61	23.39	23.86	22.54	23.32	23.02	23.80	24.27
8H	4H	21.55	22.42	22.01	22.86	23.33	21.72	22.59	22.18	23.03	23.50
	6H	22.25	22.98	22.75	23.47	23.94	22.54	23.27	23.04	23.76	24.23
	8H	22.52	23.17	23.03	23.67	24.16	22.87	23.52	23.38	24.03	24.52
	12H	22.73	23.31	23.24	23.80	24.36	23.16	23.73	23.66	24.22	24.79
12H	4H	21.59	22.38	22.08	22.85	23.32	21.75	22.53	22.23	23.01	23.48
	6H	22.32	22.97	22.83	23.48	23.97	22.60	23.25	23.11	23.76	24.24
	8H	22.65	23.22	23.16	23.72	24.28	22.99	23.57	23.50	24.06	24.62