

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: P893288

Luminaire Tested: 4MB-2SL-FLT-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893288
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-2SL-FLT-UNV-L950
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

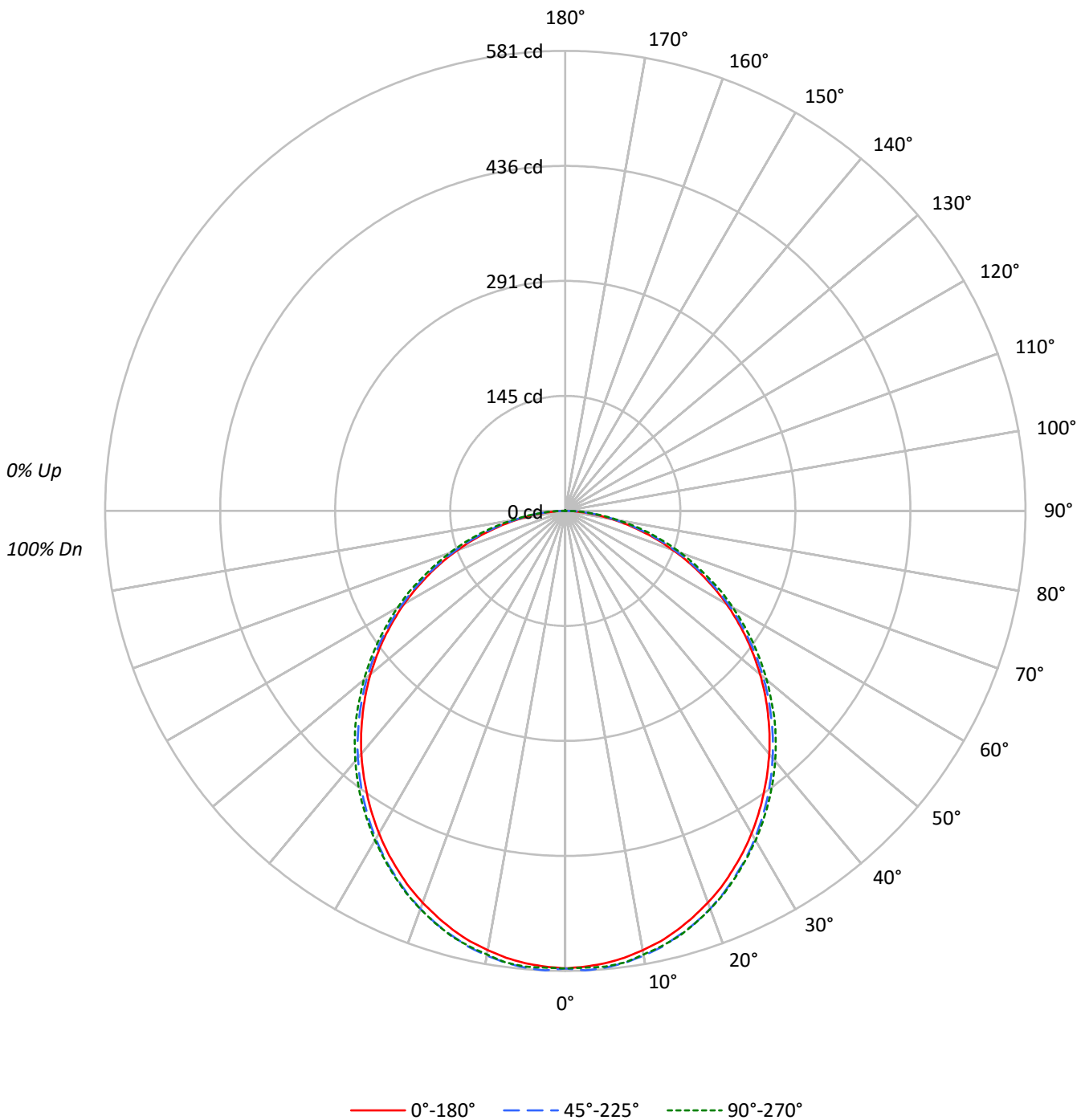
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1603.9 lumens
Efficiency: N/A
Efficacy: 116.2 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): 13.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893288
CATALOG NUMBER: 4MB-2SL-FLT-UNV-L950

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	100	100	100	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83	83	83	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69	69	69	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58	58	58	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50	50	50	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43	43	43	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	38	38	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33	33	33	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30	30	30	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27	27	27	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4111	4111	4111
5°	4097	4136	4127
10°	4070	4120	4110
15°	4035	4088	4094
20°	3987	4049	4052
25°	3928	3991	4001
30°	3865	3930	3948
35°	3791	3858	3891
40°	3721	3784	3830
45°	3639	3699	3762
50°	3554	3610	3676
55°	3458	3511	3584
60°	3347	3401	3479
65°	3197	3261	3347
70°	3010	3098	3239
75°	2768	2884	3071
80°	2442	2635	2774
85°	2106	2416	2588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3762 cd/sqm



TEST NUMBER: P893288
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	3.4
10°-20°	155.7	9.7
20°-30°	233.4	14.6
30°-40°	277.7	17.3
40°-50°	284.9	17.8
50°-60°	255.3	15.9
60°-70°	194.0	12.1
70°-80°	112.7	7.0
80°-90°	33.8	2.1
90°-100°	0.8	0.0
100°-110°	0.1	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-30°	443.8	27.7
0°-40°	721.5	45.0
0°-60°	1261.7	78.7
0°-90°	1602.2	99.9
90°-120°	0.9	0.1
90°-150°	1.4	0.1
90°-180°	2.0	0.1
0°-180°	1603.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	578	578	578	578	578	
5°	574	583	579	576	578	54
15°	548	558	555	554	556	154
25°	500	512	508	508	510	231
35°	436	447	444	445	448	273
45°	362	371	368	371	374	279
55°	279	286	283	286	289	249
65°	190	195	194	197	199	188
75°	101	104	105	109	112	107
85°	26	28	30	32	32	28
90°	0	2	2	3	2	2
95°	0	0	0	1	1	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	1	1	1	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P893288
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	576.1	575.3	576.1	575.7	579.9	585.0	584.2	580.4	576.1	577.4	580.8
5°	573.6	573.2	574.4	573.6	577.8	583.3	581.6	578.2	574.4	575.7	579.1
7.5°	569.4	569.4	571.1	570.2	574.0	579.5	577.8	574.9	571.1	572.3	575.7
10°	563.4	563.9	566.0	564.7	568.1	574.0	572.3	569.4	566.0	566.8	570.2
12.5°	556.7	556.7	559.2	557.9	561.3	566.8	564.7	562.6	559.2	560.1	563.9
15°	547.8	548.2	551.2	549.9	552.9	558.4	556.2	554.6	551.6	552.0	555.0
17.5°	537.6	538.9	541.9	540.6	543.6	549.1	546.5	544.8	542.3	542.7	545.7
20°	526.6	527.9	530.9	530.0	532.1	537.6	535.1	534.3	531.7	532.1	534.7
22.5°	514.4	515.6	519.0	518.2	520.3	525.8	522.8	522.4	519.9	520.3	522.4
25°	500.4	502.1	505.9	505.1	506.8	511.8	509.3	508.4	506.8	506.8	508.4
27.5°	486.0	487.7	492.0	490.7	492.0	497.5	494.5	494.1	492.4	492.4	494.1
30°	470.4	472.1	476.7	475.5	476.7	481.4	478.4	478.8	477.1	477.1	478.4
32.5°	453.9	455.2	460.2	459.4	460.2	464.9	461.9	462.3	460.7	461.1	461.5
35°	436.5	437.8	443.3	442.5	442.9	447.1	445.0	445.0	443.7	443.3	444.2
37.5°	418.8	420.0	426.8	424.7	424.7	428.9	427.2	427.2	426.0	425.5	426.0
40°	400.6	401.4	408.6	406.5	406.1	409.9	408.6	408.6	407.8	406.9	407.4
42.5°	381.5	382.8	390.0	388.3	386.6	390.9	389.6	390.0	388.7	387.9	387.9
45°	361.7	362.9	370.1	369.3	366.7	370.6	369.3	370.1	368.4	367.6	367.6
47.5°	341.8	343.5	350.2	349.0	346.4	350.2	349.0	349.8	348.1	347.3	347.3
50°	321.1	322.8	329.9	327.8	325.3	329.1	328.3	328.7	327.4	326.6	326.1
52.5°	299.9	302.0	308.8	306.3	304.1	307.5	307.1	307.5	305.8	305.4	305.0
55°	278.8	280.9	287.2	284.3	282.6	285.5	284.7	285.5	283.8	283.4	283.0
57.5°	256.8	258.9	264.8	261.8	260.6	263.1	262.7	263.1	261.8	261.4	261.0
60°	235.2	236.9	242.4	239.4	238.2	240.7	239.8	241.1	239.4	239.4	239.0
62.5°	212.3	214.5	220.0	216.6	215.7	217.8	217.0	218.3	217.4	216.6	216.2
65°	189.9	191.2	196.3	193.3	192.0	194.6	194.2	195.0	193.7	194.2	193.7
67.5°	167.5	168.4	173.4	170.0	169.2	171.7	172.2	171.7	170.9	171.3	170.9
70°	144.7	145.5	149.7	146.8	146.4	148.5	149.3	148.9	148.1	148.5	148.9
72.5°	122.7	123.1	126.9	124.4	123.9	126.5	126.5	126.5	126.5	126.5	127.3
75°	100.7	101.1	104.5	102.4	101.9	104.5	104.5	104.5	104.5	105.3	104.9
77.5°	79.5	79.1	82.5	81.2	80.4	82.9	82.9	83.3	84.2	85.0	83.8
80°	59.6	59.2	61.8	60.1	60.1	62.6	62.2	62.6	63.5	63.9	64.3
82.5°	41.9	41.0	43.1	42.7	42.3	44.4	44.8	44.4	45.7	46.1	46.1
85°	25.8	25.8	27.1	26.2	26.2	27.9	27.9	28.3	29.2	29.6	29.6
87.5°	12.3	11.8	13.1	12.7	12.3	13.5	13.5	14.0	14.4	14.8	14.4
90°	0.4	0.4	0.8	0.8	0.8	1.7	1.7	1.7	2.1	2.1	1.7
92.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
95°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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	0.4



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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	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
132.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
135°	0.0	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	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	0.8
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	575.7	572.7	571.5	572.3	578.2	572.3	578.7	580.8	573.2	577.4
5°	574.0	571.1	569.4	570.2	576.1	570.6	577.4	579.9	573.6	577.8
7.5°	570.6	567.2	566.4	567.7	572.7	568.1	574.9	577.4	571.1	575.3
10°	565.6	562.6	561.7	563.0	567.7	563.0	568.9	571.1	565.1	568.9
12.5°	559.2	556.2	555.4	557.1	561.3	557.1	563.0	565.1	559.2	563.0
15°	551.2	548.2	547.8	550.3	554.1	550.3	556.2	557.9	552.0	555.8
17.5°	541.4	538.5	538.9	541.9	544.8	541.4	546.9	548.6	543.1	546.1
20°	530.9	527.5	528.3	530.9	533.4	530.0	535.5	537.2	532.1	535.1
22.5°	518.6	515.2	516.1	519.0	520.7	517.8	522.8	524.5	520.3	523.3
25°	505.1	502.1	503.4	506.3	507.6	505.1	509.7	511.0	507.2	509.7
27.5°	491.5	488.1	489.8	492.8	493.6	491.1	495.8	496.6	492.8	495.3
30°	476.3	472.9	475.0	478.4	478.4	476.7	480.5	481.4	478.4	480.5
32.5°	459.4	456.8	459.4	462.3	461.9	460.7	464.5	465.3	462.8	464.5
35°	442.5	440.3	442.9	445.8	445.4	444.2	448.0	448.4	446.3	448.0
37.5°	425.1	423.4	426.0	428.5	427.7	426.8	430.2	430.2	428.9	430.6
40°	407.4	405.7	407.8	410.7	409.0	409.0	411.2	412.0	410.7	412.4
42.5°	388.7	387.0	389.6	392.1	390.4	390.0	392.5	393.0	392.1	393.4
45°	369.3	367.6	370.1	372.2	370.6	370.6	372.7	372.7	372.2	373.9
47.5°	349.4	348.1	350.2	352.4	350.7	351.9	351.9	351.9	352.8	352.4
50°	329.1	327.8	329.5	332.1	329.9	330.4	331.2	331.2	331.6	332.1
52.5°	307.9	306.3	307.9	310.9	307.9	309.2	309.6	310.1	311.3	310.5
55°	286.8	285.1	286.8	289.3	286.4	288.1	288.1	288.5	289.8	288.9
57.5°	264.8	263.1	265.6	267.3	264.4	266.1	266.1	266.9	267.8	266.5
60°	242.8	241.5	242.4	245.3	242.4	244.1	244.1	244.1	245.8	244.5
62.5°	220.4	219.5	220.4	222.9	220.0	221.7	221.2	221.7	223.3	222.9
65°	197.5	196.7	197.5	200.1	197.1	198.8	198.8	199.2	200.5	198.8
67.5°	175.1	173.9	175.1	177.2	174.7	176.0	176.0	176.0	178.1	177.2
70°	152.3	151.4	152.3	154.4	152.3	153.1	153.1	153.1	155.2	155.7
72.5°	129.9	129.9	130.7	132.4	130.7	132.4	131.1	130.3	133.2	133.7
75°	107.9	108.3	108.7	110.4	108.7	110.4	109.6	108.7	111.2	111.7
77.5°	87.6	87.6	88.0	89.3	88.0	89.3	88.4	88.4	90.1	89.7
80°	66.8	66.8	67.3	68.5	67.3	68.5	67.7	67.7	69.4	67.7
82.5°	48.6	48.6	48.6	49.9	49.1	49.9	49.5	48.6	50.8	49.1
85°	31.3	31.7	31.7	32.1	31.7	32.1	32.1	31.7	33.0	31.7
87.5°	16.1	16.1	16.1	16.5	16.1	16.1	16.5	16.1	16.9	16.5
90°	3.0	2.5	2.5	3.4	3.0	3.0	3.4	2.5	3.0	2.5
92.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7
95°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
97.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
100°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
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	0.4	0.0	0.0	0.0	0.4



TEST NUMBER: P893288
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L950

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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	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°	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P893288
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L950

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	16.42	18.06	16.79	18.37	18.69	16.56	18.19	16.92	18.51	18.83
	3H	18.24	19.72	18.62	20.05	20.41	18.39	19.87	18.77	20.20	20.56
	4H	18.90	20.30	19.30	20.65	21.03	19.10	20.49	19.49	20.84	21.22
	6H	19.36	20.65	19.77	21.02	21.41	19.65	20.95	20.07	21.31	21.71
	8H	19.49	20.73	19.92	21.12	21.52	19.85	21.08	20.27	21.48	21.88
	12H	19.59	20.78	20.02	21.16	21.59	19.99	21.17	20.42	21.56	21.99
4H	2H	17.05	18.45	17.45	18.80	19.18	17.16	18.56	17.56	18.91	19.28
	3H	19.09	20.27	19.50	20.66	21.07	19.23	20.40	19.64	20.80	21.20
	4H	19.89	20.95	20.32	21.36	21.80	20.07	21.13	20.51	21.55	21.99
	6H	20.46	21.39	20.92	21.83	22.29	20.77	21.69	21.22	22.14	22.59
	8H	20.65	21.52	21.11	21.97	22.43	21.01	21.88	21.47	22.32	22.79
	12H	20.80	21.58	21.28	22.05	22.53	21.20	21.99	21.69	22.46	22.93
8H	4H	20.22	21.09	20.68	21.53	22.00	20.38	21.25	20.84	21.70	22.16
	6H	20.92	21.64	21.41	22.13	22.61	21.21	21.93	21.70	22.42	22.90
	8H	21.18	21.83	21.69	22.34	22.83	21.54	22.19	22.05	22.70	23.18
	12H	21.40	21.97	21.91	22.47	23.03	21.82	22.40	22.33	22.89	23.45
12H	4H	20.26	21.04	20.74	21.52	21.99	20.41	21.20	20.90	21.67	22.14
	6H	20.99	21.64	21.50	22.15	22.64	21.26	21.92	21.77	22.42	22.91
	8H	21.32	21.89	21.82	22.38	22.94	21.66	22.23	22.17	22.73	23.29