

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: P893330

Luminaire Tested: 4MB-2SL-RND-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893330
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-2SL-RND-UNV-L835
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

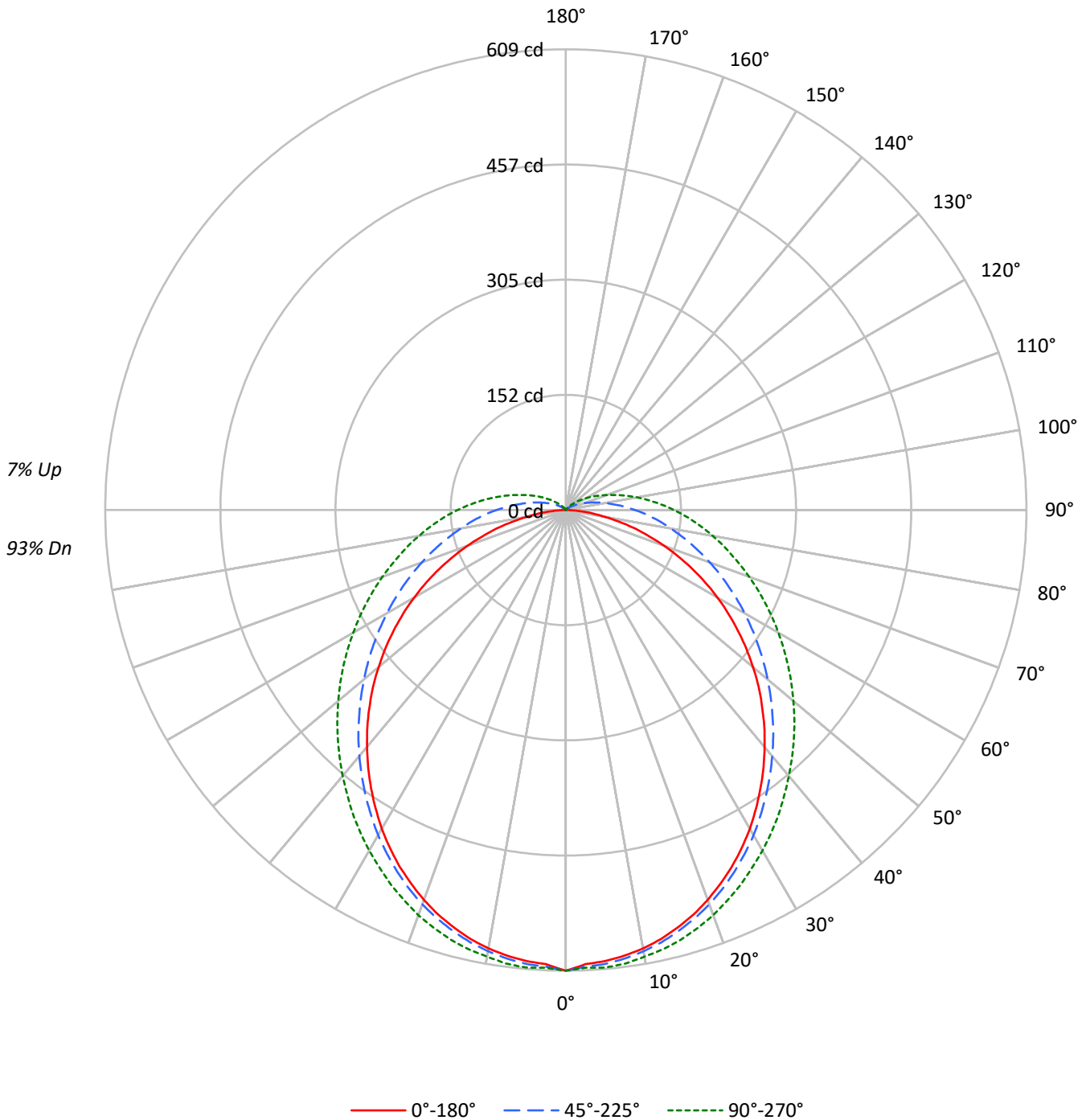
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2016.1 lumens
Efficiency: N/A
Efficacy: 146.1 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): 13.8
Input Voltage (V): 120
Input Current (Ain): 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: P893330
CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

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°	4333	4333	4333
5°	4275	4302	4336
10°	4252	4279	4331
15°	4208	4244	4331
20°	4153	4200	4315
25°	4081	4141	4291
30°	3997	4079	4271
35°	3899	4007	4263
40°	3797	3944	4262
45°	3692	3889	4291
50°	3576	3855	4346
55°	3446	3848	4451
60°	3296	3885	4618
65°	3113	3987	4894
70°	2885	4213	5363
75°	2606	4690	6221
80°	2204	5777	8084
85°	1788	9413	13845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 25495 cd/sqm



TEST NUMBER: P893330
 CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	2.9
10°-20°	164.1	8.1
20°-30°	245.7	12.2
30°-40°	293.0	14.5
40°-50°	303.8	15.1
50°-60°	281.9	14.0
60°-70°	235.2	11.7
70°-80°	175.3	8.7
80°-90°	116.7	5.8
90°-100°	71.1	3.5
100°-110°	39.7	2.0
110°-120°	19.8	1.0
120°-130°	8.3	0.4
130°-140°	2.6	0.1
140°-150°	0.7	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	467.4	23.2
0°-40°	760.4	37.7
0°-60°	1346.1	66.8
0°-90°	1873.3	92.9
90°-120°	130.6	6.5
90°-150°	142.2	7.1
90°-180°	143.0	7.1
0°-180°	2016.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	598	612	602	606	607	57
15°	571	586	576	587	588	161
25°	520	534	528	542	547	239
35°	449	461	461	484	491	281
45°	367	376	386	417	426	283
55°	278	287	310	346	359	248
65°	185	200	237	277	291	183
75°	95	121	171	212	226	100
85°	22	60	115	155	170	25
90°	1	40	92	129	143	2
95°	0	24	70	106	118	0
105°	0	8	39	65	75	0
115°	0	2	18	37	44	0
125°	0	0	7	18	22	0
135°	0	0	2	6	8	0
145°	0	0	0	1	2	0
155°	1	1	0	0	0	0
165°	1	1	0	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P893330

CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	600.9	601.8	610.4	609.9	608.5	614.2	615.7	610.9	603.3	610.9	604.2
5°	598.5	599.5	608.0	607.6	606.1	612.3	612.8	608.5	600.9	608.5	602.3
7.5°	594.2	595.2	603.7	603.3	602.3	608.5	608.0	604.7	596.6	604.7	598.0
10°	588.5	589.0	598.0	597.1	596.6	602.8	601.4	598.5	590.4	598.5	592.3
12.5°	580.9	581.3	590.4	589.4	589.4	595.2	593.3	590.9	582.8	590.4	585.2
15°	571.3	571.8	580.4	579.9	579.9	586.1	583.2	581.3	573.7	581.8	576.1
17.5°	560.9	560.4	569.4	568.5	569.4	575.1	571.3	570.4	563.2	570.9	566.1
20°	548.5	548.5	556.6	556.1	557.5	562.8	558.0	558.5	551.3	559.4	554.7
22.5°	534.6	534.2	542.3	542.3	543.7	548.9	543.7	545.1	538.0	545.6	541.8
25°	519.9	518.9	527.0	527.0	529.4	533.7	528.0	529.9	523.2	530.8	527.5
27.5°	503.7	502.2	510.3	510.8	512.7	517.0	510.8	513.7	507.5	514.6	512.2
30°	486.5	485.1	493.2	493.7	496.0	499.4	493.2	497.0	491.3	498.4	496.5
32.5°	467.9	467.0	474.6	475.6	477.9	480.3	474.6	478.4	473.7	480.8	478.9
35°	448.9	447.9	455.1	456.5	458.9	460.8	454.6	459.8	455.5	462.2	461.3
37.5°	429.3	427.9	435.5	436.5	439.3	440.3	434.6	440.8	437.0	443.6	443.2
40°	408.8	407.4	415.0	416.0	418.9	418.9	414.1	420.8	417.9	424.1	424.6
42.5°	388.4	386.9	393.6	395.5	397.9	397.9	393.1	400.3	398.4	404.6	406.0
45°	366.9	365.5	371.7	373.6	376.4	376.4	371.7	379.8	378.3	384.5	386.5
47.5°	345.9	344.0	349.8	351.7	354.5	354.0	350.2	358.3	357.9	364.1	367.4
50°	323.1	321.6	327.4	329.3	332.6	331.7	328.8	337.4	337.4	343.6	348.3
52.5°	300.7	299.2	305.0	306.9	309.7	309.7	306.9	315.9	317.4	323.6	329.3
55°	277.8	275.9	281.6	283.5	286.9	287.3	285.0	294.0	296.9	304.0	310.2
57.5°	254.9	254.0	258.7	260.7	264.9	264.9	263.5	273.0	276.9	284.5	291.6
60°	231.6	230.6	234.9	237.3	242.1	243.0	242.1	252.1	257.3	264.9	273.0
62.5°	208.2	207.3	211.6	214.9	220.1	221.1	221.6	232.1	237.8	245.9	254.9
65°	184.9	183.9	188.2	192.0	198.2	199.7	201.1	212.0	218.7	227.3	236.8
67.5°	161.5	161.1	165.3	170.1	176.8	178.7	181.1	192.5	200.1	209.2	219.7
70°	138.7	138.2	142.5	148.2	156.3	158.7	161.5	173.0	182.5	192.0	202.5
72.5°	115.8	116.3	121.0	127.7	136.8	139.1	143.0	154.9	165.3	175.4	186.3
75°	94.8	94.8	100.1	107.7	117.7	121.0	125.3	137.7	148.7	159.2	170.6
77.5°	73.4	73.4	79.6	89.1	100.1	103.4	108.6	121.5	133.4	143.9	155.3
80°	53.8	54.8	61.9	71.5	82.9	87.2	93.4	106.3	119.1	129.6	141.0
82.5°	36.7	38.1	45.7	56.7	68.1	72.4	78.6	92.4	105.3	116.3	128.2
85°	21.9	24.3	32.4	43.4	55.3	60.0	66.7	79.6	92.4	103.4	115.3
87.5°	10.0	13.3	21.9	32.9	44.3	49.6	55.3	67.7	80.5	91.5	103.9
90°	1.0	5.7	14.3	23.8	34.8	39.6	45.3	57.2	69.6	79.6	91.5
92.5°	0.0	2.4	8.6	17.2	26.7	31.4	36.7	48.1	59.1	69.1	80.5
95°	0.0	1.0	4.8	11.9	20.0	24.3	29.1	39.6	50.5	60.0	70.5
97.5°	0.0	0.5	2.9	8.1	14.8	18.6	22.9	32.4	42.4	51.5	61.0
100°	0.0	0.5	1.4	5.2	11.0	13.8	18.1	26.2	35.3	43.4	52.9
102.5°	0.0	0.0	1.0	3.3	8.1	10.5	13.8	21.0	29.1	36.7	45.3
105°	0.0	0.0	0.5	2.4	5.7	7.6	10.5	16.7	23.8	30.5	38.6
107.5°	0.0	0.0	0.5	1.4	3.8	5.7	8.1	12.9	19.1	25.3	32.4
110°	0.5	0.5	0.5	1.0	2.9	4.3	5.7	10.0	15.7	21.0	27.2



TEST NUMBER: P893330
 CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.5	0.5	0.5	0.5	1.9	2.9	4.3	7.6	12.4	16.7	22.4
115°	0.5	0.5	0.5	0.5	1.4	1.9	2.9	5.7	9.5	13.3	18.1
117.5°	0.5	0.5	0.5	0.5	1.0	1.4	1.9	4.3	7.1	10.5	14.8
120°	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.9	5.7	8.1	11.9
122.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	2.4	4.3	6.2	9.1
125°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.9	4.8	7.1
127.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9	3.3	5.2
130°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.4	3.8
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9	2.9
135°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.4
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
145°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P893330

CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0	609.0
2.5°	606.1	607.6	609.0	605.2	607.6	611.8	613.3	607.6	609.5	605.6
5°	604.2	605.2	607.1	602.3	605.6	609.5	611.8	607.1	609.9	607.1
7.5°	600.4	601.4	603.7	599.0	603.3	606.6	609.5	604.7	607.6	604.7
10°	594.7	596.1	599.5	593.7	599.0	601.8	604.7	599.5	602.3	599.5
12.5°	587.5	589.9	592.8	587.5	592.8	595.2	599.0	593.7	597.1	594.7
15°	579.0	581.3	585.2	579.9	586.6	588.5	592.3	587.1	590.4	588.0
17.5°	569.0	571.8	576.6	570.4	578.0	579.4	583.2	578.5	581.8	579.4
20°	557.5	560.4	565.1	559.4	567.0	568.0	572.3	568.0	571.3	569.9
22.5°	544.2	547.5	552.3	547.0	555.1	555.1	560.4	556.1	559.9	558.5
25°	530.4	534.2	539.4	533.7	542.3	542.3	548.0	543.7	547.5	546.6
27.5°	515.6	519.9	526.1	520.3	528.9	528.5	534.2	530.4	534.6	533.2
30°	499.9	504.6	510.8	506.1	515.1	514.2	519.9	516.5	520.3	519.9
32.5°	482.7	487.9	495.6	490.3	499.4	498.4	505.6	501.8	506.5	505.6
35°	465.6	471.3	478.9	474.1	484.1	482.7	489.9	486.5	491.3	490.8
37.5°	447.9	454.1	461.7	457.9	467.5	466.0	473.7	470.8	476.0	474.6
40°	429.8	436.0	444.1	440.8	450.8	448.9	457.0	454.6	459.8	458.9
42.5°	411.7	418.4	426.5	424.6	434.1	432.2	440.3	438.4	443.6	442.7
45°	393.1	400.3	408.8	406.9	416.9	415.0	423.1	421.7	427.0	426.5
47.5°	374.5	382.2	390.7	389.8	399.3	397.4	406.0	404.6	409.8	409.8
50°	355.5	364.1	372.6	372.2	381.7	379.8	387.4	387.4	393.1	392.6
52.5°	336.4	345.5	354.5	354.5	364.1	362.1	370.7	370.2	376.0	376.0
55°	318.3	326.4	335.5	337.4	346.4	343.6	352.6	353.6	358.3	358.8
57.5°	300.2	308.8	317.8	320.2	328.8	326.9	335.5	336.4	341.2	341.7
60°	282.1	290.2	299.2	302.6	311.2	309.3	317.8	318.8	324.0	324.5
62.5°	264.0	272.1	282.1	285.4	293.5	292.1	301.2	302.1	306.9	307.8
65°	246.4	254.9	264.5	269.2	276.9	274.9	284.0	285.0	290.2	290.7
67.5°	229.2	237.8	247.3	252.6	259.7	258.7	267.3	269.2	273.5	274.5
70°	212.5	221.1	231.1	236.3	243.5	243.0	251.1	252.6	257.3	257.8
72.5°	196.3	204.9	214.9	221.1	227.3	226.8	234.9	236.8	241.6	242.1
75°	180.6	189.7	199.2	205.9	212.0	211.6	219.7	221.6	225.9	226.3
77.5°	165.8	174.9	184.9	191.6	196.8	197.3	204.4	206.3	210.6	212.0
80°	152.0	160.6	170.1	177.3	182.0	183.0	189.7	192.0	195.4	197.3
82.5°	138.7	147.2	156.8	163.4	168.2	169.2	175.4	178.2	181.6	183.0
85°	125.8	134.4	143.4	150.6	154.9	155.3	161.5	164.4	167.3	169.6
87.5°	113.4	122.0	130.6	138.2	142.0	143.0	148.7	151.5	153.9	156.3
90°	101.0	109.6	118.2	125.3	129.1	129.6	135.8	138.7	141.0	143.0
92.5°	89.6	98.2	106.7	113.9	117.2	118.2	123.4	126.8	128.7	130.6
95°	78.6	87.2	94.8	102.4	105.8	107.2	112.0	114.8	117.2	118.2
97.5°	69.1	76.7	83.9	91.5	94.3	95.8	100.5	103.9	105.8	106.7
100°	60.0	67.2	73.9	81.0	83.9	85.3	89.6	92.4	94.3	95.8
102.5°	51.9	58.6	64.8	71.5	74.3	75.3	79.1	82.0	83.9	85.3
105°	44.8	51.0	56.7	62.9	65.3	66.7	70.0	72.4	74.3	75.3
107.5°	38.1	44.3	49.1	54.8	57.2	58.1	61.5	64.3	65.8	66.2
110°	32.4	37.6	42.4	47.2	50.0	51.0	53.8	56.2	57.7	58.1



TEST NUMBER: P893330

CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	27.2	31.9	36.2	40.5	42.9	43.8	46.7	49.1	50.0	50.5
115°	22.4	27.2	30.5	34.8	36.7	37.6	40.0	42.4	42.9	43.8
117.5°	18.1	22.4	25.7	29.1	31.0	31.9	33.8	35.7	36.7	37.2
120°	14.8	18.1	21.0	24.3	25.7	26.7	28.6	30.5	31.0	31.4
122.5°	11.9	14.8	17.2	20.0	21.4	22.4	23.8	25.3	25.7	26.2
125°	9.1	11.9	13.8	16.2	17.6	18.1	19.5	21.0	21.4	21.9
127.5°	7.1	9.1	11.0	12.9	13.8	14.3	15.7	16.7	17.2	17.6
130°	5.2	6.7	8.1	10.0	11.0	11.4	12.4	13.3	13.8	13.8
132.5°	3.8	5.2	6.2	7.6	8.1	8.6	9.5	10.5	10.5	11.0
135°	2.4	3.3	4.3	5.2	6.2	6.2	7.1	7.6	8.1	8.1
137.5°	1.9	2.4	2.9	3.8	4.3	4.8	4.8	5.7	5.7	5.7
140°	1.4	1.9	1.9	2.4	2.9	3.3	3.3	3.8	3.8	3.8
142.5°	1.0	1.4	1.4	1.9	1.9	2.4	2.4	2.4	2.9	2.9
145°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.9	1.9	1.9
147.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4
150°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P893330
 CATALOG NUMBER: 4MB-2SL-RND-UNV-L835

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	15.38	16.92	15.85	17.38	17.86	16.95	18.49	17.42	18.95	19.43
	3H	17.06	18.46	17.54	18.93	19.45	19.58	20.98	20.06	21.45	21.98
	4H	17.66	18.99	18.16	19.47	20.01	20.89	22.22	21.39	22.70	23.25
	6H	18.05	19.29	18.57	19.79	20.35	22.29	23.53	22.81	24.03	24.59
	8H	18.17	19.36	18.70	19.88	20.44	23.04	24.23	23.57	24.75	25.32
	12H	18.25	19.39	18.78	19.90	20.50	23.89	25.03	24.43	25.55	26.14
4H	2H	16.31	17.64	16.81	18.12	18.66	17.50	18.83	18.01	19.32	19.86
	3H	18.29	19.42	18.81	19.95	20.52	20.42	21.56	20.94	22.08	22.65
	4H	19.06	20.10	19.60	20.64	21.24	21.94	22.99	22.48	23.52	24.12
	6H	19.64	20.56	20.20	21.13	21.74	23.59	24.51	24.14	25.07	25.68
	8H	19.83	20.69	20.39	21.26	21.88	24.47	25.34	25.03	25.90	26.52
	12H	19.95	20.74	20.53	21.33	21.96	25.47	26.26	26.06	26.85	27.48
8H	4H	19.94	20.81	20.50	21.37	22.00	22.31	23.17	22.87	23.74	24.36
	6H	20.82	21.56	21.42	22.17	22.79	24.21	24.94	24.80	25.55	26.18
	8H	21.17	21.84	21.78	22.45	23.09	25.29	25.96	25.90	26.57	27.21
	12H	21.44	22.04	22.05	22.64	23.35	26.56	27.15	27.16	27.75	28.46
12H	4H	20.22	21.01	20.80	21.60	22.23	22.35	23.14	22.93	23.73	24.35
	6H	21.27	21.94	21.88	22.56	23.20	24.32	24.98	24.92	25.60	26.24
	8H	21.79	22.39	22.40	22.99	23.70	25.51	26.11	26.12	26.71	27.42