

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: P892566

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-RND-UNV-L835
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

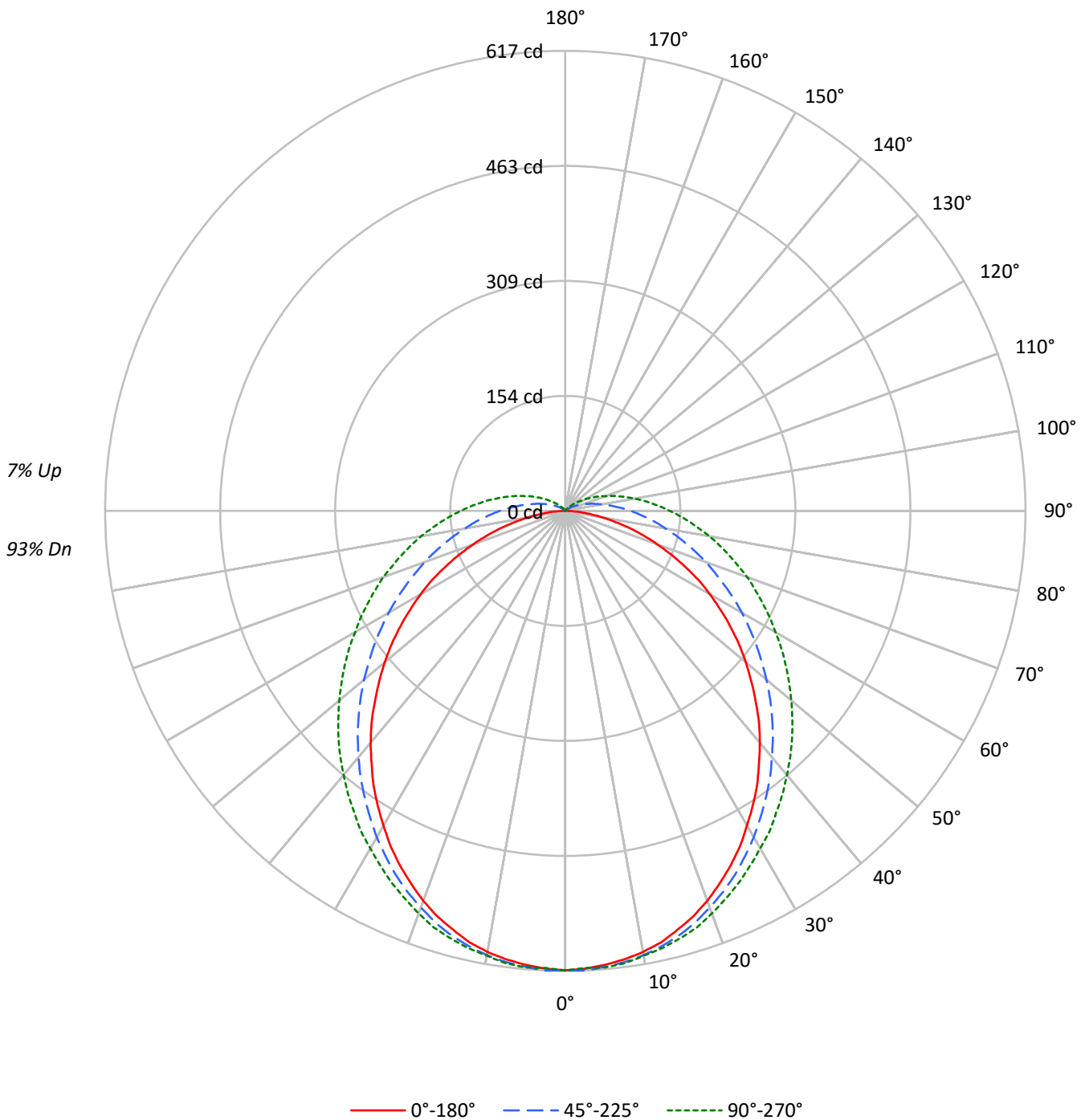
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2005.1 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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: P892566
CATALOG NUMBER: 2MB-2SL-RND-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P892566

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

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	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63	63	63	63	61
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	39	39	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	28
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8815	8815	8815
5°	8774	8811	8824
10°	8724	8788	8800
15°	8614	8729	8793
20°	8472	8617	8749
25°	8279	8497	8688
30°	8049	8348	8634
35°	7829	8192	8615
40°	7580	8049	8631
45°	7301	7933	8701
50°	7030	7838	8802
55°	6734	7792	9001
60°	6415	7825	9310
65°	6005	7968	9874
70°	5504	8399	10858
75°	4974	9230	12536
80°	4210	11262	16188
85°	3414	18186	27411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 50244 cd/sqm



TEST NUMBER: P892566
 CATALOG NUMBER: 2MB-2SL-RND-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	2.9
10°-20°	165.8	8.3
20°-30°	247.2	12.3
30°-40°	293.4	14.6
40°-50°	303.2	15.1
50°-60°	279.8	14.0
60°-70°	232.3	11.6
70°-80°	172.1	8.6
80°-90°	113.5	5.7
90°-100°	69.0	3.4
100°-110°	39.0	1.9
110°-120°	19.4	1.0
120°-130°	8.1	0.4
130°-140°	2.6	0.1
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	471.3	23.5
0°-40°	764.6	38.1
0°-60°	1347.7	67.2
0°-90°	1865.6	93.0
90°-120°	127.4	6.4
90°-150°	138.9	6.9
90°-180°	140.0	7.0
0°-180°	2005.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	611	620	614	612	614	58
15°	582	591	589	591	594	164
25°	524	533	538	544	550	241
35°	448	458	469	484	493	280
45°	361	372	392	415	430	279
55°	270	282	312	344	361	241
65°	177	196	235	274	292	176
75°	90	118	167	209	227	95
85°	21	59	111	150	167	23
90°	0	39	87	125	140	1
95°	0	23	67	101	116	0
105°	0	8	37	63	75	0
115°	0	2	17	36	44	0
125°	0	1	7	16	22	0
135°	1	0	2	6	8	1
145°	1	1	1	2	2	1
155°	1	1	1	0	0	0
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P892566
 CATALOG NUMBER: 2MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	614.5	612.8	613.6	613.6	616.2	623.1	620.5	620.5	620.5	613.6	617.1
5°	611.0	609.3	610.2	611.0	612.8	619.7	617.1	617.9	617.1	610.2	613.6
7.5°	606.7	605.0	605.0	605.8	608.4	615.4	612.8	613.6	612.8	605.8	610.2
10°	600.6	598.9	599.8	600.6	602.4	610.2	607.6	607.6	607.6	601.5	605.0
12.5°	592.8	591.1	592.0	592.8	595.4	601.5	598.9	599.8	599.8	594.6	598.0
15°	581.6	579.9	581.6	582.5	585.1	591.1	589.4	590.3	590.3	585.1	589.4
17.5°	570.3	567.7	569.5	570.3	573.8	579.0	577.3	579.0	579.0	573.8	579.0
20°	556.5	553.9	555.6	557.4	560.0	565.2	563.4	565.2	565.2	560.8	566.0
22.5°	540.9	538.3	540.1	541.8	545.2	549.6	548.7	550.4	550.4	547.0	553.0
25°	524.5	521.9	524.5	525.3	528.8	533.1	533.1	534.0	534.9	532.3	538.3
27.5°	507.2	503.7	506.3	508.0	511.5	515.8	515.8	517.6	517.6	516.7	521.9
30°	487.3	484.7	488.1	489.0	492.5	496.8	497.6	499.4	499.4	498.5	505.4
32.5°	468.2	465.6	468.2	470.0	474.3	477.7	478.6	480.3	481.2	481.2	487.3
35°	448.3	445.7	448.3	450.0	454.4	457.8	458.7	460.4	461.3	463.0	469.1
37.5°	426.7	424.9	427.5	429.3	433.6	437.1	437.9	440.5	441.4	444.0	450.9
40°	405.9	403.3	405.9	407.6	412.8	415.4	417.2	419.8	421.5	424.1	431.0
42.5°	384.3	382.5	384.3	387.7	391.2	394.7	396.4	399.0	401.6	405.9	412.0
45°	360.9	360.9	362.6	366.1	369.6	372.2	374.7	378.2	380.8	385.1	392.1
47.5°	338.4	338.4	340.1	342.7	347.1	349.7	352.2	356.6	359.2	364.4	372.2
50°	315.9	315.0	317.6	321.1	325.4	328.0	330.6	334.9	338.4	344.5	352.2
52.5°	293.4	291.7	294.3	298.6	302.0	305.5	308.1	312.4	316.8	324.6	331.5
55°	270.0	269.2	271.8	275.2	279.5	282.1	285.6	290.8	296.0	303.8	312.4
57.5°	246.7	246.7	249.3	252.7	257.9	260.5	264.0	270.0	275.2	283.9	292.5
60°	224.2	223.3	225.9	231.1	235.4	238.9	242.3	249.3	255.3	264.8	273.5
62.5°	201.7	200.8	204.3	207.7	213.8	217.2	220.7	228.5	235.4	245.8	254.4
65°	177.4	178.3	180.9	184.3	191.3	195.6	199.9	208.6	216.4	225.9	235.4
67.5°	154.1	154.1	157.5	161.8	170.5	174.8	179.2	188.7	196.5	207.7	217.2
70°	131.6	132.4	136.7	141.1	149.7	154.1	159.2	169.6	178.3	189.5	200.8
72.5°	109.9	111.6	115.1	122.0	130.7	135.0	141.1	151.5	160.1	172.2	183.5
75°	90.0	90.9	95.2	103.0	112.5	117.7	122.9	134.1	144.5	155.8	167.0
77.5°	69.2	71.0	76.2	84.8	96.1	101.3	106.5	118.6	129.0	140.2	151.5
80°	51.1	52.8	59.7	68.4	80.5	85.7	91.7	103.9	114.2	125.5	136.7
82.5°	34.6	37.2	44.1	53.7	65.8	71.8	77.9	90.0	101.3	112.5	123.8
85°	20.8	23.4	31.2	41.5	53.7	58.9	64.9	77.9	88.3	99.5	110.8
87.5°	8.7	13.0	20.8	31.2	42.4	47.6	54.5	66.6	77.0	87.4	98.7
90°	0.0	5.2	13.0	22.5	33.8	38.9	44.1	56.3	66.6	77.0	87.4
92.5°	0.0	1.7	7.8	15.6	26.0	30.3	35.5	46.7	56.3	66.6	77.0
95°	0.0	0.9	4.3	11.3	19.0	23.4	28.6	38.9	47.6	58.0	66.6
97.5°	0.0	0.0	2.6	7.8	14.7	18.2	22.5	32.0	40.7	49.3	58.9
100°	0.0	0.0	1.7	5.2	10.4	13.8	17.3	26.0	33.8	42.4	50.2
102.5°	0.0	0.0	0.9	3.5	7.8	10.4	13.0	20.8	27.7	35.5	43.3
105°	0.0	0.0	0.9	1.7	5.2	7.8	10.4	16.4	22.5	29.4	37.2
107.5°	0.0	0.0	0.0	1.7	4.3	6.1	7.8	13.0	18.2	24.2	31.2
110°	0.0	0.0	0.0	0.9	2.6	4.3	6.1	10.4	14.7	19.9	26.0



TEST NUMBER: P892566
 CATALOG NUMBER: 2MB-2SL-RND-UNV-L835

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.9	1.7	2.6	4.3	7.8	11.3	16.4	20.8
115°	0.0	0.0	0.0	0.0	0.9	1.7	2.6	6.1	8.7	13.0	17.3
117.5°	0.0	0.0	0.0	0.0	0.9	1.7	1.7	4.3	6.9	10.4	13.8
120°	0.0	0.0	0.0	0.0	0.9	0.9	1.7	3.5	5.2	7.8	11.3
122.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	3.5	6.1	8.7
125°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6	4.3	6.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	3.5	5.2
130°	0.9	0.0	0.0	0.0	0.9	0.0	0.9	0.9	1.7	2.6	3.5
132.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6
135°	0.9	0.9	0.0	0.0	0.9	0.0	0.0	0.9	0.9	0.9	1.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P892566

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	617.1	610.2	614.5	613.6	612.8	611.0	615.4	611.9	613.6	613.6
5°	614.5	607.6	612.8	612.8	611.9	610.2	614.5	611.0	613.6	614.5
7.5°	610.2	605.0	610.2	609.3	609.3	607.6	611.9	609.3	611.9	611.9
10°	605.0	599.8	605.0	604.1	604.1	602.4	605.8	603.2	605.8	605.8
12.5°	598.0	592.8	598.9	598.0	597.2	596.3	599.8	597.2	600.6	600.6
15°	589.4	585.9	592.0	591.1	591.1	589.4	593.7	591.1	594.6	593.7
17.5°	579.9	576.4	582.5	582.5	581.6	581.6	584.2	581.6	585.9	585.9
20°	566.9	563.4	570.3	570.3	569.5	569.5	572.1	569.5	574.7	574.7
22.5°	553.0	550.4	556.5	557.4	556.5	556.5	559.1	557.4	562.6	562.6
25°	538.3	537.5	543.5	544.4	543.5	544.4	547.0	545.2	550.4	550.4
27.5°	522.7	522.7	528.8	529.7	530.5	530.5	533.1	531.4	537.5	536.6
30°	506.3	506.3	513.2	515.0	515.0	515.8	518.4	516.7	522.7	522.7
32.5°	489.0	489.9	496.8	499.4	499.4	501.1	502.8	502.0	508.0	509.8
35°	471.7	472.5	480.3	482.9	483.8	484.7	487.3	487.3	492.5	493.3
37.5°	451.8	455.2	462.2	465.6	466.5	468.2	470.8	470.8	476.9	478.6
40°	432.7	437.1	444.9	448.3	449.2	450.9	454.4	454.4	460.4	462.2
42.5°	414.6	419.8	426.7	431.9	432.7	435.3	437.1	438.8	444.9	446.6
45°	394.7	400.7	408.5	413.7	415.4	418.0	419.8	422.4	427.5	430.1
47.5°	375.6	381.7	390.3	396.4	397.3	400.7	402.4	405.0	410.2	412.8
50°	355.7	363.5	372.2	379.1	379.9	382.5	385.1	387.7	392.9	395.5
52.5°	336.7	344.5	353.1	360.0	361.8	364.4	367.0	369.6	375.6	378.2
55°	317.6	325.4	334.1	341.9	343.6	346.2	348.8	352.2	358.3	360.9
57.5°	298.6	307.2	315.9	323.7	325.4	328.9	331.5	334.9	340.1	343.6
60°	280.4	289.1	298.6	306.4	307.2	312.4	314.2	317.6	322.8	325.4
62.5°	261.4	272.6	280.4	289.1	290.8	294.3	296.9	300.3	305.5	309.0
65°	243.2	254.4	262.2	270.9	273.5	277.0	279.5	283.0	288.2	291.7
67.5°	225.9	237.1	245.8	254.4	257.0	259.6	263.1	266.6	270.9	275.2
70°	209.4	221.6	229.3	238.0	240.6	244.1	247.5	250.1	255.3	259.6
72.5°	193.0	205.1	212.9	222.4	224.2	227.6	231.1	234.5	238.9	242.3
75°	176.6	188.7	197.3	206.0	208.6	212.0	215.5	219.0	223.3	226.8
77.5°	161.0	173.1	181.7	191.3	193.0	196.5	200.8	204.3	207.7	211.2
80°	146.3	158.4	167.0	175.7	178.3	181.7	185.2	189.5	193.0	196.5
82.5°	133.3	144.5	152.3	161.8	163.6	167.0	170.5	174.0	177.4	180.9
85°	120.3	131.6	139.3	148.0	149.7	153.2	156.7	160.1	164.4	167.0
87.5°	108.2	118.6	127.2	135.0	136.7	140.2	143.7	146.3	149.7	153.2
90°	96.9	107.3	115.1	122.9	124.6	128.1	130.7	134.1	137.6	140.2
92.5°	85.7	96.1	103.0	110.8	112.5	116.0	119.4	122.0	125.5	128.1
95°	76.2	85.7	92.6	100.4	101.3	104.7	108.2	110.8	114.2	116.0
97.5°	66.6	76.2	83.1	90.0	90.9	94.3	97.8	100.4	103.0	105.6
100°	58.0	66.6	73.6	79.6	81.4	84.0	87.4	90.0	92.6	94.3
102.5°	50.2	58.0	64.0	71.0	71.8	75.3	77.9	80.5	83.1	84.8
105°	43.3	51.1	56.3	62.3	63.2	66.6	69.2	71.8	74.4	75.3
107.5°	37.2	43.3	48.5	54.5	56.3	58.0	60.6	63.2	65.8	66.6
110°	31.2	37.2	42.4	46.7	48.5	51.1	52.8	55.4	57.1	58.0



TEST NUMBER: P892566

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	26.0	31.2	35.5	40.7	41.5	44.1	45.9	47.6	50.2	51.1
115°	21.6	26.8	30.3	34.6	35.5	37.2	39.8	41.5	43.3	44.1
117.5°	18.2	21.6	25.1	28.6	30.3	32.0	33.8	35.5	36.3	37.2
120°	14.7	18.2	20.8	24.2	25.1	26.8	28.6	29.4	31.2	32.0
122.5°	11.3	14.7	17.3	19.9	20.8	22.5	23.4	25.1	26.0	26.0
125°	8.7	11.3	13.8	15.6	16.4	18.2	19.0	20.8	21.6	21.6
127.5°	6.9	8.7	10.4	13.0	13.0	14.7	15.6	16.4	17.3	17.3
130°	5.2	6.9	8.7	9.5	10.4	11.3	12.1	13.0	13.8	13.8
132.5°	3.5	5.2	6.1	7.8	7.8	8.7	9.5	9.5	10.4	10.4
135°	2.6	3.5	4.3	5.2	6.1	6.1	6.9	7.8	7.8	7.8
137.5°	1.7	2.6	3.5	4.3	4.3	4.3	5.2	5.2	6.1	6.1
140°	0.9	1.7	1.7	2.6	2.6	3.5	3.5	3.5	4.3	4.3
142.5°	0.9	0.9	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6
145°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P892566
 CATALOG NUMBER: 2MB-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	17.64	19.18	18.11	19.63	20.12	19.41	20.95	19.88	21.40	21.89
	3H	19.27	20.67	19.75	21.13	21.66	21.99	23.39	22.48	23.86	24.38
	4H	19.85	21.18	20.35	21.66	22.20	23.29	24.62	23.79	25.10	25.64
	6H	20.25	21.49	20.77	21.98	22.54	24.69	25.92	25.20	26.42	26.97
	8H	20.37	21.55	20.89	22.07	22.63	25.42	26.61	25.95	27.13	27.69
	12H	20.44	21.58	20.98	22.09	22.68	26.26	27.40	26.80	27.91	28.50
4H	2H	18.61	19.94	19.12	20.42	20.96	19.96	21.28	20.46	21.77	22.30
	3H	20.55	21.68	21.06	22.21	22.77	22.83	23.97	23.35	24.49	25.05
	4H	21.31	22.35	21.85	22.89	23.48	24.34	25.38	24.88	25.92	26.51
	6H	21.88	22.80	22.44	23.36	23.97	25.97	26.89	26.53	27.45	28.06
	8H	22.06	22.92	22.62	23.49	24.10	26.84	27.70	27.40	28.26	28.88
	12H	22.18	22.97	22.76	23.56	24.18	27.83	28.61	28.41	29.20	29.83
8H	4H	22.21	23.07	22.77	23.63	24.25	24.70	25.56	25.26	26.12	26.74
	6H	23.08	23.81	23.67	24.42	25.04	26.58	27.32	27.17	27.92	28.54
	8H	23.43	24.09	24.03	24.70	25.34	27.65	28.31	28.25	28.93	29.56
	12H	23.69	24.29	24.30	24.89	25.59	28.90	29.49	29.50	30.09	30.79
12H	4H	22.49	23.27	23.07	23.86	24.49	24.74	25.52	25.32	26.11	26.74
	6H	23.53	24.19	24.13	24.81	25.45	26.68	27.35	27.29	27.96	28.60
	8H	24.05	24.64	24.65	25.24	25.94	27.86	28.46	28.47	29.06	29.76