

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: P892567

Luminaire Tested: 2MB-2SL-RND-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892567
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-L840
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

Summary

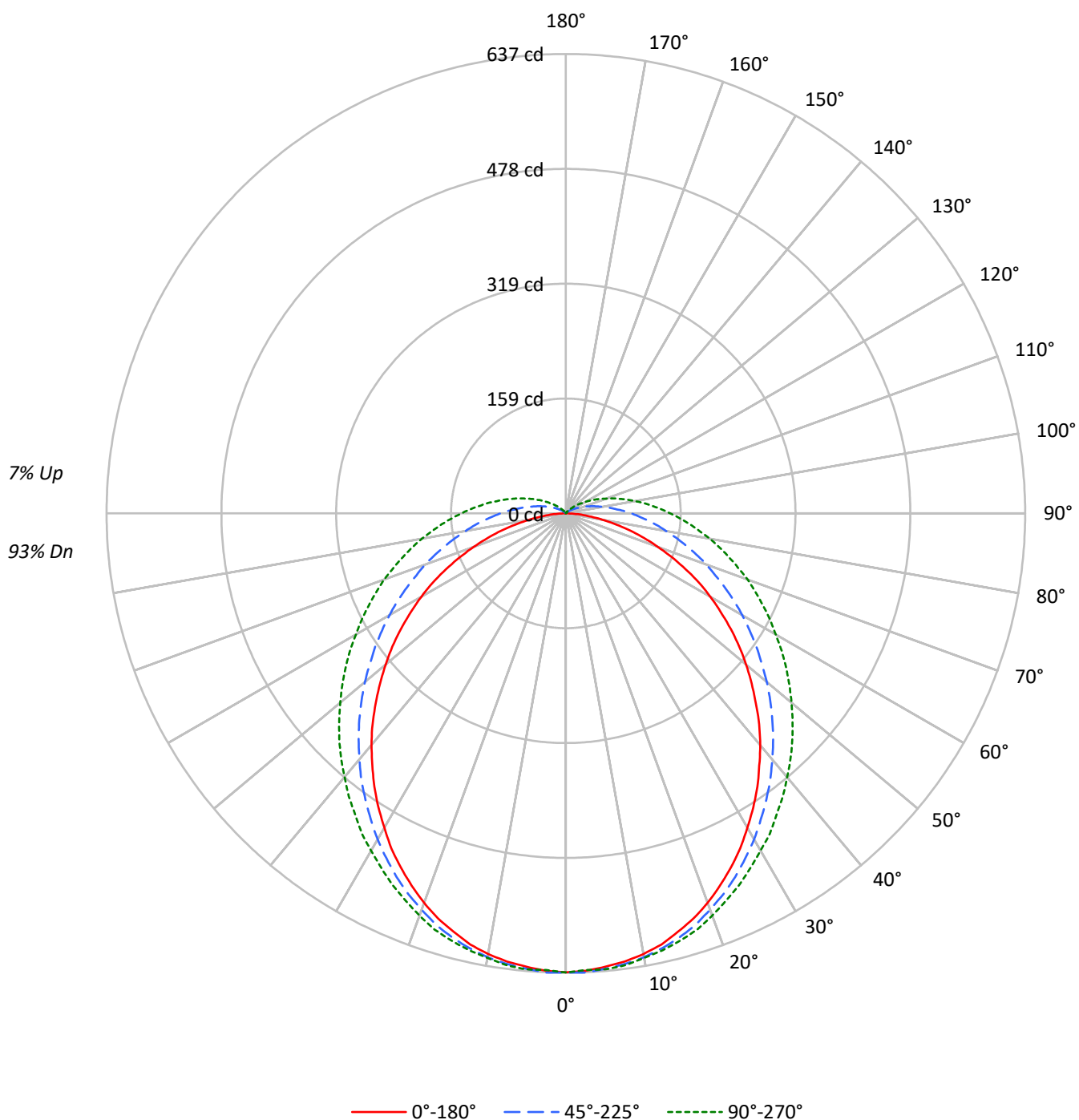
Lumens per Lamp: N/A
Luminaire Lumens: 2071.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9105	9105	9105
5°	9063	9101	9114
10°	9012	9077	9090
15°	8896	9016	9083
20°	8751	8901	9037
25°	8550	8776	8975
30°	8314	8624	8920
35°	8087	8461	8900
40°	7830	8314	8915
45°	7542	8194	8989
50°	7262	8097	9091
55°	6956	8048	9298
60°	6623	8083	9616
65°	6205	8232	10199
70°	5684	8675	11218
75°	5140	9534	12945
80°	4342	11632	16715
85°	3529	18777	28314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 51884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	2.9
10°-20°	171.3	8.3
20°-30°	255.4	12.3
30°-40°	303.0	14.6
40°-50°	313.1	15.1
50°-60°	289.0	14.0
60°-70°	239.9	11.6
70°-80°	177.8	8.6
80°-90°	117.2	5.7
90°-100°	71.2	3.4
100°-110°	40.3	1.9
110°-120°	20.1	1.0
120°-130°	8.3	0.4
130°-140°	2.7	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°	486.8	23.5
0°-40°	789.8	38.1
0°-60°	1392.0	67.2
0°-90°	1927.0	93.0
90°-120°	131.6	6.4
90°-150°	143.4	6.9
90°-180°	144.0	7.0
0°-180°	2071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	631	640	634	632	635	60
15°	601	611	609	611	613	169
25°	542	551	556	561	569	249
35°	463	473	484	500	510	289
45°	373	384	405	429	444	288
55°	279	291	323	355	373	249
65°	183	202	243	282	301	182
75°	93	122	172	215	234	98
85°	22	61	114	155	172	24
90°	0	40	90	129	145	1
95°	0	24	69	105	120	0
105°	0	8	38	65	78	0
115°	0	2	18	37	46	0
125°	0	1	7	17	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	634.7	632.9	633.8	633.8	636.5	643.7	641.0	641.0	641.0	633.8	637.4
5°	631.1	629.3	630.2	631.1	632.9	640.1	637.4	638.3	637.4	630.2	633.8
7.5°	626.7	624.9	624.9	625.8	628.5	635.6	632.9	633.8	632.9	625.8	630.2
10°	620.4	618.6	619.5	620.4	622.2	630.2	627.6	627.6	627.6	621.3	624.9
12.5°	612.4	610.6	611.5	612.4	615.0	621.3	618.6	619.5	619.5	614.2	617.7
15°	600.7	599.0	600.7	601.6	604.3	610.6	608.8	609.7	609.7	604.3	608.8
17.5°	589.1	586.4	588.2	589.1	592.7	598.1	596.3	598.1	598.1	592.7	598.1
20°	574.8	572.1	573.9	575.7	578.4	583.8	582.0	583.8	583.8	579.3	584.7
22.5°	558.7	556.0	557.8	559.6	563.2	567.7	566.8	568.6	568.6	565.0	571.2
25°	541.7	539.1	541.7	542.6	546.2	550.7	550.7	551.6	552.5	549.8	556.0
27.5°	523.9	520.3	523.0	524.8	528.3	532.8	532.8	534.6	534.6	533.7	539.1
30°	503.3	500.6	504.2	505.1	508.7	513.1	514.0	515.8	515.8	514.9	522.1
32.5°	483.6	481.0	483.6	485.4	489.9	493.5	494.4	496.1	497.0	497.0	503.3
35°	463.1	460.4	463.1	464.9	469.3	472.9	473.8	475.6	476.5	478.3	484.5
37.5°	440.7	438.9	441.6	443.4	447.9	451.5	452.3	455.0	455.9	458.6	465.8
40°	419.3	416.6	419.3	421.1	426.4	429.1	430.9	433.6	435.4	438.0	445.2
42.5°	396.9	395.1	396.9	400.5	404.1	407.6	409.4	412.1	414.8	419.3	425.5
45°	372.8	372.8	374.6	378.1	381.7	384.4	387.1	390.7	393.3	397.8	405.0
47.5°	349.5	349.5	351.3	354.0	358.5	361.2	363.8	368.3	371.0	376.4	384.4
50°	326.3	325.4	328.1	331.7	336.1	338.8	341.5	346.0	349.5	355.8	363.8
52.5°	303.1	301.3	303.9	308.4	312.0	315.6	318.3	322.7	327.2	335.2	342.4
55°	278.9	278.0	280.7	284.3	288.7	291.4	295.0	300.4	305.7	313.8	322.7
57.5°	254.8	254.8	257.5	261.0	266.4	269.1	272.7	278.9	284.3	293.2	302.2
60°	231.5	230.6	233.3	238.7	243.2	246.7	250.3	257.5	263.7	273.6	282.5
62.5°	208.3	207.4	211.0	214.6	220.8	224.4	228.0	236.0	243.2	253.9	262.8
65°	183.3	184.2	186.8	190.4	197.6	202.0	206.5	215.4	223.5	233.3	243.2
67.5°	159.1	159.1	162.7	167.2	176.1	180.6	185.0	194.9	202.9	214.6	224.4
70°	135.9	136.8	141.2	145.7	154.7	159.1	164.5	175.2	184.2	195.8	207.4
72.5°	113.5	115.3	118.9	126.0	135.0	139.5	145.7	156.4	165.4	177.9	189.5
75°	93.0	93.9	98.3	106.4	116.2	121.6	126.9	138.6	149.3	160.9	172.5
77.5°	71.5	73.3	78.7	87.6	99.2	104.6	110.0	122.5	133.2	144.8	156.4
80°	52.7	54.5	61.7	70.6	83.1	88.5	94.8	107.3	118.0	129.6	141.2
82.5°	35.8	38.4	45.6	55.4	67.9	74.2	80.5	93.0	104.6	116.2	127.8
85°	21.5	24.1	32.2	42.9	55.4	60.8	67.0	80.5	91.2	102.8	114.4
87.5°	8.9	13.4	21.5	32.2	43.8	49.2	56.3	68.8	79.6	90.3	101.9
90°	0.0	5.4	13.4	23.2	34.9	40.2	45.6	58.1	68.8	79.6	90.3
92.5°	0.0	1.8	8.0	16.1	26.8	31.3	36.7	48.3	58.1	68.8	79.6
95°	0.0	0.9	4.5	11.6	19.7	24.1	29.5	40.2	49.2	59.9	68.8
97.5°	0.0	0.0	2.7	8.0	15.2	18.8	23.2	33.1	42.0	51.0	60.8
100°	0.0	0.0	1.8	5.4	10.7	14.3	17.9	26.8	34.9	43.8	51.8
102.5°	0.0	0.0	0.9	3.6	8.0	10.7	13.4	21.5	28.6	36.7	44.7
105°	0.0	0.0	0.9	1.8	5.4	8.0	10.7	17.0	23.2	30.4	38.4
107.5°	0.0	0.0	0.0	1.8	4.5	6.3	8.0	13.4	18.8	25.0	32.2
110°	0.0	0.0	0.0	0.9	2.7	4.5	6.3	10.7	15.2	20.6	26.8

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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	0.9	1.8	2.7	4.5	8.0	11.6	17.0	21.5
115°	0.0	0.0	0.0	0.0	0.9	1.8	2.7	6.3	8.9	13.4	17.9
117.5°	0.0	0.0	0.0	0.0	0.9	1.8	1.8	4.5	7.2	10.7	14.3
120°	0.0	0.0	0.0	0.0	0.9	0.9	1.8	3.6	5.4	8.0	11.6
122.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6	6.3	8.9
125°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.7	4.5	7.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6	5.4
130°	0.9	0.0	0.0	0.0	0.9	0.0	0.9	0.9	1.8	2.7	3.6
132.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.7
135°	0.9	0.9	0.0	0.0	0.9	0.0	0.0	0.9	0.9	0.9	1.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
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

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	637.4	630.2	634.7	633.8	632.9	631.1	635.6	632.0	633.8	633.8
5°	634.7	627.6	632.9	632.9	632.0	630.2	634.7	631.1	633.8	634.7
7.5°	630.2	624.9	630.2	629.3	629.3	627.6	632.0	629.3	632.0	632.0
10°	624.9	619.5	624.9	624.0	624.0	622.2	625.8	623.1	625.8	625.8
12.5°	617.7	612.4	618.6	617.7	616.8	615.9	619.5	616.8	620.4	620.4
15°	608.8	605.2	611.5	610.6	610.6	608.8	613.3	610.6	614.2	613.3
17.5°	599.0	595.4	601.6	601.6	600.7	600.7	603.4	600.7	605.2	605.2
20°	585.5	582.0	589.1	589.1	588.2	588.2	590.9	588.2	593.6	593.6
22.5°	571.2	568.6	574.8	575.7	574.8	574.8	577.5	575.7	581.1	581.1
25°	556.0	555.1	561.4	562.3	561.4	562.3	565.0	563.2	568.6	568.6
27.5°	540.0	540.0	546.2	547.1	548.0	548.0	550.7	548.9	555.1	554.3
30°	523.0	523.0	530.1	531.9	531.9	532.8	535.5	533.7	540.0	540.0
32.5°	505.1	506.0	513.1	515.8	515.8	517.6	519.4	518.5	524.8	526.5
35°	487.2	488.1	496.1	498.8	499.7	500.6	503.3	503.3	508.7	509.6
37.5°	466.6	470.2	477.4	481.0	481.8	483.6	486.3	486.3	492.6	494.4
40°	447.0	451.5	459.5	463.1	464.0	465.8	469.3	469.3	475.6	477.4
42.5°	428.2	433.6	440.7	446.1	447.0	449.7	451.5	453.2	459.5	461.3
45°	407.6	413.9	421.9	427.3	429.1	431.8	433.6	436.3	441.6	444.3
47.5°	388.0	394.2	403.2	409.4	410.3	413.9	415.7	418.4	423.7	426.4
50°	367.4	375.5	384.4	391.6	392.4	395.1	397.8	400.5	405.9	408.5
52.5°	347.8	355.8	364.7	371.9	373.7	376.4	379.0	381.7	388.0	390.7
55°	328.1	336.1	345.1	353.1	354.9	357.6	360.3	363.8	370.1	372.8
57.5°	308.4	317.4	326.3	334.3	336.1	339.7	342.4	346.0	351.3	354.9
60°	289.6	298.6	308.4	316.5	317.4	322.7	324.5	328.1	333.4	336.1
62.5°	270.0	281.6	289.6	298.6	300.4	303.9	306.6	310.2	315.6	319.1
65°	251.2	262.8	270.9	279.8	282.5	286.1	288.7	292.3	297.7	301.3
67.5°	233.3	244.9	253.9	262.8	265.5	268.2	271.8	275.3	279.8	284.3
70°	216.3	228.9	236.9	245.8	248.5	252.1	255.7	258.4	263.7	268.2
72.5°	199.4	211.9	219.9	229.7	231.5	235.1	238.7	242.3	246.7	250.3
75°	182.4	194.9	203.8	212.8	215.4	219.0	222.6	226.2	230.6	234.2
77.5°	166.3	178.8	187.7	197.6	199.4	202.9	207.4	211.0	214.6	218.1
80°	151.1	163.6	172.5	181.5	184.2	187.7	191.3	195.8	199.4	202.9
82.5°	137.7	149.3	157.3	167.2	169.0	172.5	176.1	179.7	183.3	186.8
85°	124.3	135.9	143.9	152.9	154.7	158.2	161.8	165.4	169.9	172.5
87.5°	111.7	122.5	131.4	139.5	141.2	144.8	148.4	151.1	154.7	158.2
90°	100.1	110.9	118.9	126.9	128.7	132.3	135.0	138.6	142.1	144.8
92.5°	88.5	99.2	106.4	114.4	116.2	119.8	123.4	126.0	129.6	132.3
95°	78.7	88.5	95.7	103.7	104.6	108.2	111.7	114.4	118.0	119.8
97.5°	68.8	78.7	85.8	93.0	93.9	97.4	101.0	103.7	106.4	109.1
100°	59.9	68.8	76.0	82.2	84.0	86.7	90.3	93.0	95.7	97.4
102.5°	51.8	59.9	66.2	73.3	74.2	77.8	80.5	83.1	85.8	87.6
105°	44.7	52.7	58.1	64.4	65.3	68.8	71.5	74.2	76.9	77.8
107.5°	38.4	44.7	50.1	56.3	58.1	59.9	62.6	65.3	67.9	68.8
110°	32.2	38.4	43.8	48.3	50.1	52.7	54.5	57.2	59.0	59.9

TEST NUMBER: P892567

CATALOG NUMBER: 2MB-2SL-RND-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	26.8	32.2	36.7	42.0	42.9	45.6	47.4	49.2	51.8	52.7
115°	22.3	27.7	31.3	35.8	36.7	38.4	41.1	42.9	44.7	45.6
117.5°	18.8	22.3	25.9	29.5	31.3	33.1	34.9	36.7	37.5	38.4
120°	15.2	18.8	21.5	25.0	25.9	27.7	29.5	30.4	32.2	33.1
122.5°	11.6	15.2	17.9	20.6	21.5	23.2	24.1	25.9	26.8	26.8
125°	8.9	11.6	14.3	16.1	17.0	18.8	19.7	21.5	22.3	22.3
127.5°	7.2	8.9	10.7	13.4	13.4	15.2	16.1	17.0	17.9	17.9
130°	5.4	7.2	8.9	9.8	10.7	11.6	12.5	13.4	14.3	14.3
132.5°	3.6	5.4	6.3	8.0	8.0	8.9	9.8	9.8	10.7	10.7
135°	2.7	3.6	4.5	5.4	6.3	6.3	7.2	8.0	8.0	8.0
137.5°	1.8	2.7	3.6	4.5	4.5	4.5	5.4	5.4	6.3	6.3
140°	0.9	1.8	1.8	2.7	2.7	3.6	3.6	3.6	4.5	4.5
142.5°	0.9	0.9	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7
145°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
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

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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	19.29	18.22	19.74	20.23	19.52	21.06	19.99	21.51	22.00
	3H	19.38	20.78	19.86	21.24	21.77	22.11	23.51	22.59	23.97	24.50
	4H	19.96	21.29	20.47	21.77	22.31	23.40	24.73	23.91	25.21	25.75
	6H	20.36	21.60	20.88	22.10	22.65	24.80	26.04	25.31	26.53	27.09
	8H	20.48	21.66	21.01	22.18	22.74	25.53	26.72	26.06	27.24	27.80
	12H	20.55	21.69	21.09	22.21	22.80	26.38	27.51	26.91	28.03	28.62
4H	2H	18.73	20.05	19.23	20.54	21.08	20.07	21.40	20.57	21.88	22.42
	3H	20.66	21.79	21.18	22.32	22.88	22.95	24.08	23.46	24.61	25.17
	4H	21.42	22.46	21.96	23.00	23.59	24.46	25.50	24.99	26.03	26.62
	6H	21.99	22.91	22.55	23.47	24.08	26.08	27.00	26.64	27.56	28.17
	8H	22.17	23.03	22.73	23.60	24.22	26.95	27.81	27.51	28.37	28.99
	12H	22.29	23.08	22.88	23.67	24.29	27.94	28.72	28.52	29.31	29.94
8H	4H	22.32	23.18	22.88	23.75	24.36	24.81	25.67	25.37	26.24	26.85
	6H	23.19	23.93	23.78	24.53	25.15	26.69	27.43	27.29	28.03	28.66
	8H	23.54	24.20	24.14	24.82	25.45	27.76	28.42	28.37	29.04	29.68
	12H	23.81	24.40	24.41	25.00	25.71	29.01	29.60	29.61	30.20	30.91
12H	4H	22.60	23.39	23.18	23.98	24.60	24.85	25.63	25.43	26.22	26.85
	6H	23.64	24.31	24.25	24.92	25.56	26.80	27.46	27.40	28.08	28.71
	8H	24.16	24.75	24.76	25.35	26.06	27.98	28.57	28.58	29.17	29.88