

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: P893104

Luminaire Tested: 2MB-SC3-RND-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893104
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-SC3-RND-UNV-CC83-LOW-3500K
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT, LOW I setting
Light Source: -
Ballast/Driver: -

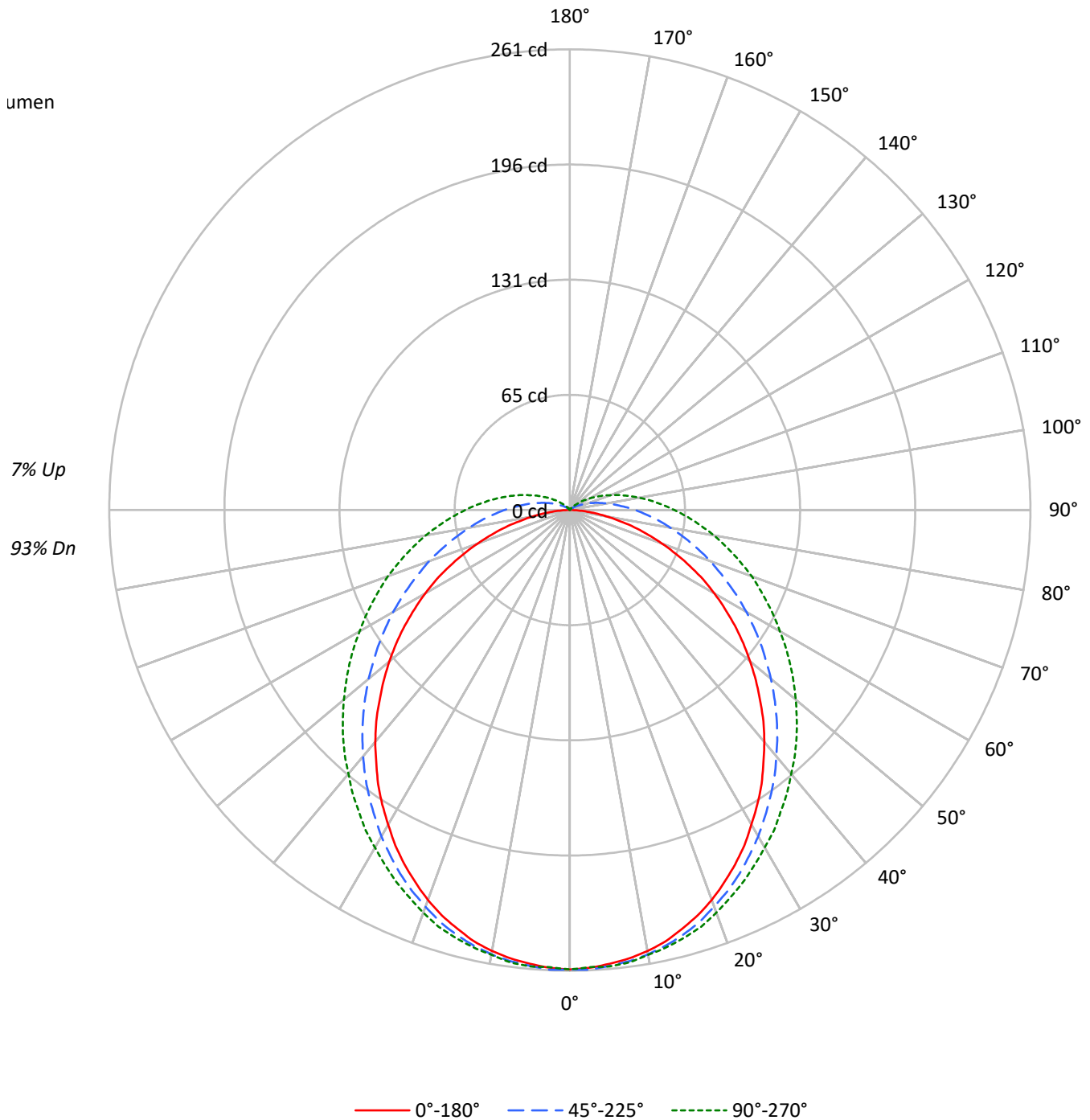
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 847.1 lumens
Efficiency: N/A
Efficacy: 122.8 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): 6.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893104
CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P893104
 CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

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°	3724	3724	3724
5°	3706	3722	3728
10°	3685	3713	3717
15°	3639	3688	3714
20°	3579	3640	3696
25°	3498	3589	3670
30°	3400	3527	3647
35°	3308	3461	3639
40°	3203	3401	3645
45°	3085	3350	3676
50°	2969	3312	3719
55°	2846	3292	3803
60°	2709	3305	3934
65°	2539	3365	4170
70°	2326	3547	4588
75°	2100	3902	5295
80°	1779	4762	6838
85°	1444	7682	11588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 21219 cd/sqm



TEST NUMBER: P893104

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	2.9
10°-20°	70.0	8.3
20°-30°	104.4	12.3
30°-40°	123.9	14.6
40°-50°	128.1	15.1
50°-60°	118.2	14.0
60°-70°	98.1	11.6
70°-80°	72.7	8.6
80°-90°	47.9	5.7
90°-100°	29.1	3.4
100°-110°	16.5	1.9
110°-120°	8.2	1.0
120°-130°	3.4	0.4
130°-140°	1.1	0.1
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	199.1	23.5
0°-40°	323.0	38.1
0°-60°	569.3	67.2
0°-90°	788.1	93.0
90°-120°	53.8	6.4
90°-150°	58.7	6.9
90°-180°	59.0	7.0
0°-180°	847.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	260	260	260	260	260	
5°	258	262	259	258	260	25
15°	246	250	249	250	251	69
25°	222	225	227	230	232	102
35°	189	193	198	204	208	118
45°	152	157	166	176	182	118
55°	114	119	132	145	152	102
65°	75	83	99	116	123	74
75°	38	50	71	88	96	40
85°	9	25	47	63	71	10
90°	0	16	37	53	59	1
95°	0	10	28	43	49	0
105°	0	3	16	27	32	0
115°	0	1	7	15	19	0
125°	0	0	3	7	9	0
135°	0	0	1	3	3	0
145°	0	0	0	1	1	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P893104

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	259.6	258.9	259.2	259.2	260.3	263.2	262.1	262.1	262.1	259.2	260.7
5°	258.1	257.4	257.8	258.1	258.9	261.8	260.7	261.0	260.7	257.8	259.2
7.5°	256.3	255.6	255.6	255.9	257.0	260.0	258.9	259.2	258.9	255.9	257.8
10°	253.7	253.0	253.4	253.7	254.5	257.8	256.7	256.7	256.7	254.1	255.6
12.5°	250.4	249.7	250.1	250.4	251.5	254.1	253.0	253.4	253.4	251.2	252.6
15°	245.7	245.0	245.7	246.1	247.2	249.7	249.0	249.3	249.3	247.2	249.0
17.5°	240.9	239.8	240.6	240.9	242.4	244.6	243.9	244.6	244.6	242.4	244.6
20°	235.1	234.0	234.7	235.5	236.6	238.7	238.0	238.7	238.7	236.9	239.1
22.5°	228.5	227.4	228.1	228.9	230.3	232.2	231.8	232.5	232.5	231.1	233.6
25°	221.6	220.5	221.6	221.9	223.4	225.2	225.2	225.6	225.9	224.9	227.4
27.5°	214.2	212.8	213.9	214.6	216.1	217.9	217.9	218.6	218.6	218.3	220.5
30°	205.8	204.7	206.2	206.6	208.0	209.9	210.2	211.0	211.0	210.6	213.5
32.5°	197.8	196.7	197.8	198.5	200.4	201.8	202.2	202.9	203.3	203.3	205.8
35°	189.4	188.3	189.4	190.1	191.9	193.4	193.8	194.5	194.9	195.6	198.2
37.5°	180.2	179.5	180.6	181.3	183.2	184.6	185.0	186.1	186.5	187.6	190.5
40°	171.5	170.4	171.5	172.2	174.4	175.5	176.2	177.3	178.1	179.2	182.1
42.5°	162.3	161.6	162.3	163.8	165.3	166.7	167.5	168.5	169.6	171.5	174.0
45°	152.5	152.5	153.2	154.7	156.1	157.2	158.3	159.8	160.9	162.7	165.6
47.5°	143.0	143.0	143.7	144.8	146.6	147.7	148.8	150.6	151.7	153.9	157.2
50°	133.4	133.1	134.2	135.6	137.5	138.6	139.7	141.5	143.0	145.5	148.8
52.5°	123.9	123.2	124.3	126.1	127.6	129.1	130.2	132.0	133.8	137.1	140.0
55°	114.1	113.7	114.8	116.3	118.1	119.2	120.7	122.8	125.0	128.3	132.0
57.5°	104.2	104.2	105.3	106.8	109.0	110.0	111.5	114.1	116.3	119.9	123.6
60°	94.7	94.3	95.4	97.6	99.4	100.9	102.4	105.3	107.9	111.9	115.5
62.5°	85.2	84.8	86.3	87.7	90.3	91.8	93.2	96.5	99.4	103.8	107.5
65°	75.0	75.3	76.4	77.9	80.8	82.6	84.5	88.1	91.4	95.4	99.4
67.5°	65.1	65.1	66.5	68.4	72.0	73.9	75.7	79.7	83.0	87.7	91.8
70°	55.6	55.9	57.8	59.6	63.3	65.1	67.3	71.7	75.3	80.1	84.8
72.5°	46.4	47.2	48.6	51.6	55.2	57.0	59.6	64.0	67.6	72.8	77.5
75°	38.0	38.4	40.2	43.5	47.5	49.7	51.9	56.7	61.1	65.8	70.6
77.5°	29.2	30.0	32.2	35.8	40.6	42.8	45.0	50.1	54.5	59.2	64.0
80°	21.6	22.3	25.2	28.9	34.0	36.2	38.8	43.9	48.3	53.0	57.8
82.5°	14.6	15.7	18.6	22.7	27.8	30.3	32.9	38.0	42.8	47.5	52.3
85°	8.8	9.9	13.2	17.5	22.7	24.9	27.4	32.9	37.3	42.0	46.8
87.5°	3.7	5.5	8.8	13.2	17.9	20.1	23.0	28.2	32.5	36.9	41.7
90°	0.0	2.2	5.5	9.5	14.3	16.5	18.6	23.8	28.2	32.5	36.9
92.5°	0.0	0.7	3.3	6.6	11.0	12.8	15.0	19.7	23.8	28.2	32.5
95°	0.0	0.4	1.8	4.8	8.0	9.9	12.1	16.5	20.1	24.5	28.2
97.5°	0.0	0.0	1.1	3.3	6.2	7.7	9.5	13.5	17.2	20.8	24.9
100°	0.0	0.0	0.7	2.2	4.4	5.8	7.3	11.0	14.3	17.9	21.2
102.5°	0.0	0.0	0.4	1.5	3.3	4.4	5.5	8.8	11.7	15.0	18.3
105°	0.0	0.0	0.4	0.7	2.2	3.3	4.4	6.9	9.5	12.4	15.7
107.5°	0.0	0.0	0.0	0.7	1.8	2.6	3.3	5.5	7.7	10.2	13.2
110°	0.0	0.0	0.0	0.4	1.1	1.8	2.6	4.4	6.2	8.4	11.0



TEST NUMBER: P893104
 CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.4	0.7	1.1	1.8	3.3	4.8	6.9	8.8
115°	0.0	0.0	0.0	0.0	0.4	0.7	1.1	2.6	3.7	5.5	7.3
117.5°	0.0	0.0	0.0	0.0	0.4	0.7	0.7	1.8	2.9	4.4	5.8
120°	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.5	2.2	3.3	4.8
122.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.5	2.6	3.7
125°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.1	1.8	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.5	2.2
130°	0.4	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.7	1.1	1.5
132.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.1
135°	0.4	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.4	0.4	0.7
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
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°	0.4	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	0.4
172.5°	0.4	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	0.4
177.5°	0.4	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	0.4



TEST NUMBER: P893104

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	260.7	257.8	259.6	259.2	258.9	258.1	260.0	258.5	259.2	259.2
5°	259.6	256.7	258.9	258.9	258.5	257.8	259.6	258.1	259.2	259.6
7.5°	257.8	255.6	257.8	257.4	257.4	256.7	258.5	257.4	258.5	258.5
10°	255.6	253.4	255.6	255.2	255.2	254.5	255.9	254.8	255.9	255.9
12.5°	252.6	250.4	253.0	252.6	252.3	251.9	253.4	252.3	253.7	253.7
15°	249.0	247.5	250.1	249.7	249.7	249.0	250.8	249.7	251.2	250.8
17.5°	245.0	243.5	246.1	246.1	245.7	245.7	246.8	245.7	247.5	247.5
20°	239.5	238.0	240.9	240.9	240.6	240.6	241.7	240.6	242.8	242.8
22.5°	233.6	232.5	235.1	235.5	235.1	235.1	236.2	235.5	237.6	237.6
25°	227.4	227.0	229.6	230.0	229.6	230.0	231.1	230.3	232.5	232.5
27.5°	220.8	220.8	223.4	223.8	224.1	224.1	225.2	224.5	227.0	226.7
30°	213.9	213.9	216.8	217.5	217.5	217.9	219.0	218.3	220.8	220.8
32.5°	206.6	206.9	209.9	211.0	211.0	211.7	212.4	212.1	214.6	215.3
35°	199.3	199.6	202.9	204.0	204.4	204.7	205.8	205.8	208.0	208.4
37.5°	190.9	192.3	195.2	196.7	197.1	197.8	198.9	198.9	201.5	202.2
40°	182.8	184.6	187.9	189.4	189.8	190.5	191.9	191.9	194.5	195.2
42.5°	175.1	177.3	180.2	182.4	182.8	183.9	184.6	185.4	187.9	188.7
45°	166.7	169.3	172.6	174.8	175.5	176.6	177.3	178.4	180.6	181.7
47.5°	158.7	161.2	164.9	167.5	167.8	169.3	170.0	171.1	173.3	174.4
50°	150.3	153.6	157.2	160.1	160.5	161.6	162.7	163.8	166.0	167.1
52.5°	142.2	145.5	149.2	152.1	152.8	153.9	155.0	156.1	158.7	159.8
55°	134.2	137.5	141.1	144.4	145.1	146.2	147.3	148.8	151.4	152.5
57.5°	126.1	129.8	133.4	136.7	137.5	138.9	140.0	141.5	143.7	145.1
60°	118.5	122.1	126.1	129.4	129.8	132.0	132.7	134.2	136.4	137.5
62.5°	110.4	115.2	118.5	122.1	122.8	124.3	125.4	126.9	129.1	130.5
65°	102.7	107.5	110.8	114.4	115.5	117.0	118.1	119.6	121.7	123.2
67.5°	95.4	100.2	103.8	107.5	108.6	109.7	111.1	112.6	114.4	116.3
70°	88.5	93.6	96.9	100.5	101.6	103.1	104.6	105.7	107.9	109.7
72.5°	81.5	86.7	89.9	94.0	94.7	96.2	97.6	99.1	100.9	102.4
75°	74.6	79.7	83.4	87.0	88.1	89.6	91.0	92.5	94.3	95.8
77.5°	68.0	73.1	76.8	80.8	81.5	83.0	84.8	86.3	87.7	89.2
80°	61.8	66.9	70.6	74.2	75.3	76.8	78.2	80.1	81.5	83.0
82.5°	56.3	61.1	64.3	68.4	69.1	70.6	72.0	73.5	75.0	76.4
85°	50.8	55.6	58.9	62.5	63.3	64.7	66.2	67.6	69.5	70.6
87.5°	45.7	50.1	53.7	57.0	57.8	59.2	60.7	61.8	63.3	64.7
90°	40.9	45.3	48.6	51.9	52.6	54.1	55.2	56.7	58.1	59.2
92.5°	36.2	40.6	43.5	46.8	47.5	49.0	50.5	51.6	53.0	54.1
95°	32.2	36.2	39.1	42.4	42.8	44.2	45.7	46.8	48.3	49.0
97.5°	28.2	32.2	35.1	38.0	38.4	39.9	41.3	42.4	43.5	44.6
100°	24.5	28.2	31.1	33.6	34.4	35.5	36.9	38.0	39.1	39.9
102.5°	21.2	24.5	27.1	30.0	30.3	31.8	32.9	34.0	35.1	35.8
105°	18.3	21.6	23.8	26.3	26.7	28.2	29.2	30.3	31.4	31.8
107.5°	15.7	18.3	20.5	23.0	23.8	24.5	25.6	26.7	27.8	28.2
110°	13.2	15.7	17.9	19.7	20.5	21.6	22.3	23.4	24.1	24.5



TEST NUMBER: P893104
 CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	11.0	13.2	15.0	17.2	17.5	18.6	19.4	20.1	21.2	21.6
115°	9.1	11.3	12.8	14.6	15.0	15.7	16.8	17.5	18.3	18.6
117.5°	7.7	9.1	10.6	12.1	12.8	13.5	14.3	15.0	15.4	15.7
120°	6.2	7.7	8.8	10.2	10.6	11.3	12.1	12.4	13.2	13.5
122.5°	4.8	6.2	7.3	8.4	8.8	9.5	9.9	10.6	11.0	11.0
125°	3.7	4.8	5.8	6.6	6.9	7.7	8.0	8.8	9.1	9.1
127.5°	2.9	3.7	4.4	5.5	5.5	6.2	6.6	6.9	7.3	7.3
130°	2.2	2.9	3.7	4.0	4.4	4.8	5.1	5.5	5.8	5.8
132.5°	1.5	2.2	2.6	3.3	3.3	3.7	4.0	4.0	4.4	4.4
135°	1.1	1.5	1.8	2.2	2.6	2.6	2.9	3.3	3.3	3.3
137.5°	0.7	1.1	1.5	1.8	1.8	1.8	2.2	2.2	2.6	2.6
140°	0.4	0.7	0.7	1.1	1.1	1.5	1.5	1.5	1.8	1.8
142.5°	0.4	0.4	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1
145°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
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	0.0	0.0	0.0	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
165°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.0	0.0
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.0
175°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
177.5°	0.4	0.4	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P893104
 CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-LOW-3500K

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	14.65	16.18	15.12	16.64	17.12	16.42	17.95	16.89	18.41	18.89
	3H	16.27	17.67	16.76	18.14	18.66	19.00	20.40	19.48	20.86	21.39
	4H	16.86	18.19	17.36	18.67	19.21	20.30	21.62	20.80	22.11	22.65
	6H	17.26	18.49	17.77	18.99	19.54	21.69	22.93	22.21	23.42	23.98
	8H	17.37	18.56	17.90	19.08	19.64	22.43	23.61	22.95	24.13	24.69
	12H	17.45	18.59	17.98	19.10	19.69	23.27	24.41	23.80	24.92	25.51
4H	2H	15.62	16.95	16.12	17.43	17.97	16.96	18.29	17.46	18.77	19.31
	3H	17.55	18.69	18.07	19.21	19.77	19.84	20.97	20.36	21.50	22.06
	4H	18.32	19.36	18.85	19.89	20.49	21.35	22.39	21.89	22.92	23.52
	6H	18.89	19.80	19.44	20.37	20.97	22.98	23.89	23.53	24.46	25.06
	8H	19.07	19.93	19.63	20.49	21.11	23.84	24.70	24.40	25.27	25.89
	12H	19.19	19.97	19.77	20.56	21.19	24.83	25.62	25.41	26.21	26.83
8H	4H	19.21	20.08	19.77	20.64	21.26	21.70	22.57	22.26	23.13	23.75
	6H	20.09	20.82	20.68	21.42	22.05	23.59	24.32	24.18	24.92	25.55
	8H	20.43	21.10	21.04	21.71	22.35	24.65	25.32	25.26	25.93	26.57
	12H	20.70	21.29	21.31	21.90	22.60	25.90	26.49	26.51	27.10	27.80
12H	4H	19.50	20.28	20.08	20.87	21.50	21.74	22.53	22.32	23.12	23.74
	6H	20.54	21.20	21.14	21.82	22.45	23.69	24.35	24.29	24.97	25.61
	8H	21.05	21.64	21.66	22.25	22.95	24.87	25.46	25.48	26.07	26.77