

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: P893109

Luminaire Tested: 2MB-SC3-RND-UNV-CC83-MID-5000K

Issue Date: 11/11/2024

**Test Information**

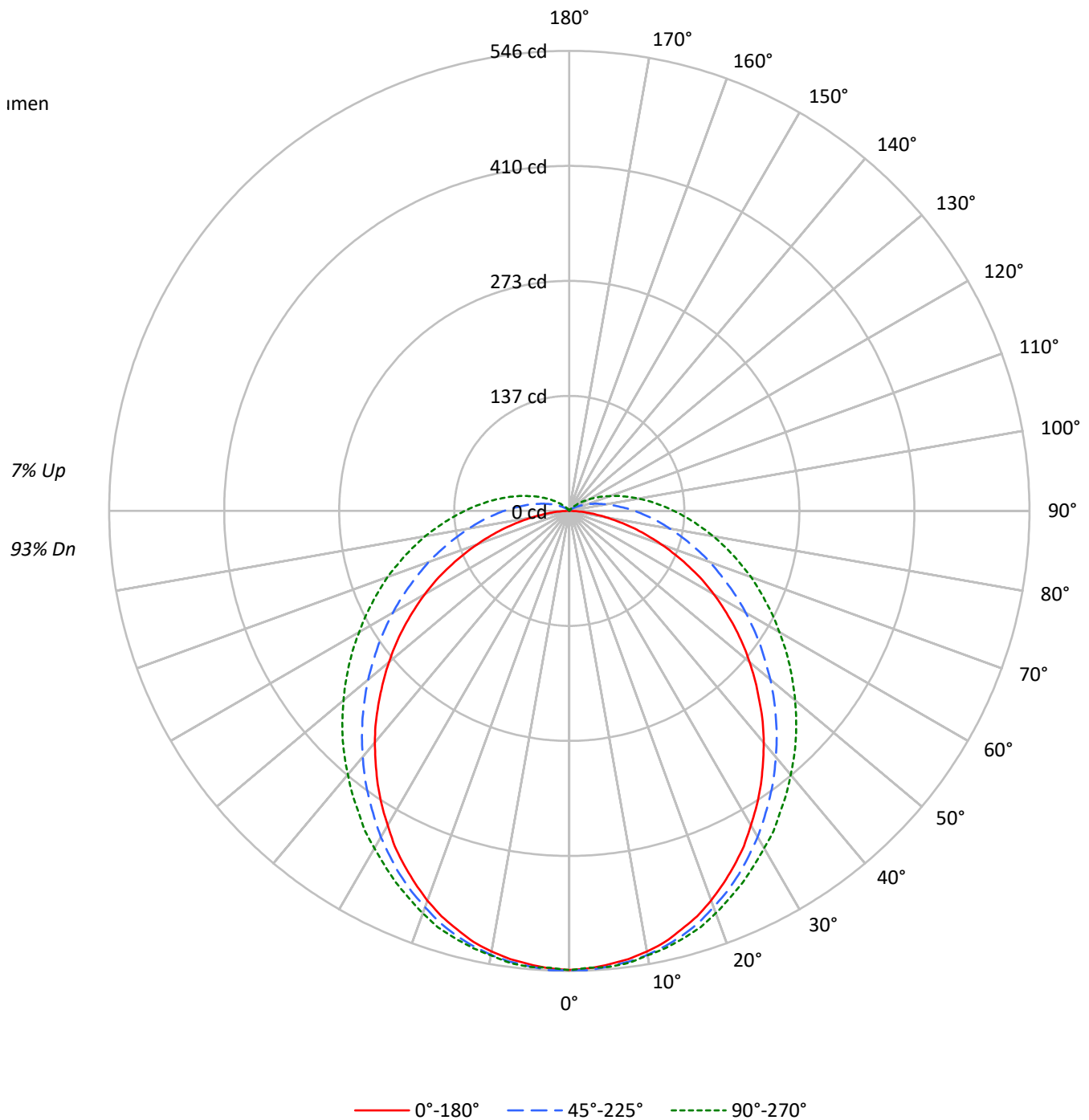
Test Method: LM-79-2019  
Report Number: P893109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-SC3-RND-UNV-CC83-MID-5000K  
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT, MID lu setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1773.1 lumens  
Efficiency: N/A  
Efficacy: 127.6 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): 13.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9948  
Total Harmonic Distortion (THDi): 5.65231997856897  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893109  
CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**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°	7795	7795	7795
5°	7759	7792	7803
10°	7715	7772	7782
15°	7617	7719	7775
20°	7492	7619	7737
25°	7321	7513	7682
30°	7118	7384	7637
35°	6923	7244	7618
40°	6702	7117	7632
45°	6456	7014	7696
50°	6216	6933	7785
55°	5956	6891	7959
60°	5671	6918	8234
65°	5311	7048	8730
70°	4864	7428	9603
75°	4400	8164	11082
80°	3724	9960	14310
85°	3020	16085	24243

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 44439 cd/sqm



TEST NUMBER: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.5	2.9
10°-20°	146.6	8.3
20°-30°	218.6	12.3
30°-40°	259.4	14.6
40°-50°	268.1	15.1
50°-60°	247.5	14.0
60°-70°	205.4	11.6
70°-80°	152.2	8.6
80°-90°	100.4	5.7
90°-100°	61.0	3.4
100°-110°	34.5	1.9
110°-120°	17.2	1.0
120°-130°	7.1	0.4
130°-140°	2.3	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°	416.7	23.5
0°-40°	676.2	38.1
0°-60°	1191.7	67.2
0°-90°	1649.7	93.0
90°-120°	112.7	6.4
90°-150°	122.8	6.9
90°-180°	123.0	6.9
0°-180°	1773.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	540	548	543	541	543	51
15°	514	523	521	523	525	145
25°	464	471	476	481	487	213
35°	396	405	415	428	436	248
45°	319	329	347	367	380	246
55°	239	250	276	304	319	214
65°	157	173	208	242	258	155
75°	80	104	148	184	200	84
85°	18	52	98	132	148	21
90°	0	34	77	110	124	1
95°	0	21	59	90	103	0
105°	0	7	33	56	67	0
115°	0	2	15	31	39	0
125°	0	1	6	14	19	0
135°	1	0	2	5	7	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: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	543.4	541.9	542.6	542.6	544.9	551.0	548.7	548.7	548.7	542.6	545.7
5°	540.3	538.8	539.6	540.3	541.9	548.0	545.7	546.4	545.7	539.6	542.6
7.5°	536.5	535.0	535.0	535.7	538.0	544.1	541.9	542.6	541.9	535.7	539.6
10°	531.1	529.6	530.4	531.1	532.7	539.6	537.3	537.3	537.3	531.9	535.0
12.5°	524.2	522.7	523.5	524.2	526.5	531.9	529.6	530.4	530.4	525.8	528.8
15°	514.3	512.8	514.3	515.1	517.4	522.7	521.2	522.0	522.0	517.4	521.2
17.5°	504.4	502.1	503.6	504.4	507.4	512.0	510.5	512.0	512.0	507.4	512.0
20°	492.1	489.8	491.3	492.9	495.2	499.8	498.2	499.8	499.8	495.9	500.5
22.5°	478.3	476.0	477.6	479.1	482.2	486.0	485.2	486.7	486.7	483.7	489.0
25°	463.8	461.5	463.8	464.6	467.6	471.4	471.4	472.2	473.0	470.7	476.0
27.5°	448.5	445.4	447.7	449.2	452.3	456.1	456.1	457.7	457.7	456.9	461.5
30°	430.9	428.6	431.6	432.4	435.5	439.3	440.1	441.6	441.6	440.8	447.0
32.5°	414.0	411.7	414.0	415.6	419.4	422.5	423.2	424.8	425.5	425.5	430.9
35°	396.4	394.1	396.4	398.0	401.8	404.9	405.6	407.2	407.9	409.5	414.8
37.5°	377.3	375.8	378.1	379.6	383.4	386.5	387.3	389.6	390.3	392.6	398.7
40°	358.9	356.6	358.9	360.5	365.1	367.4	368.9	371.2	372.7	375.0	381.1
42.5°	339.8	338.3	339.8	342.9	345.9	349.0	350.5	352.8	355.1	358.9	364.3
45°	319.1	319.1	320.7	323.7	326.8	329.1	331.4	334.4	336.7	340.6	346.7
47.5°	299.2	299.2	300.8	303.1	306.9	309.2	311.5	315.3	317.6	322.2	329.1
50°	279.3	278.6	280.9	283.9	287.8	290.1	292.4	296.2	299.2	304.6	311.5
52.5°	259.4	257.9	260.2	264.0	267.1	270.2	272.5	276.3	280.1	287.0	293.1
55°	238.8	238.0	240.3	243.4	247.2	249.5	252.6	257.1	261.7	268.6	276.3
57.5°	218.1	218.1	220.4	223.5	228.1	230.4	233.4	238.8	243.4	251.0	258.7
60°	198.2	197.5	199.8	204.3	208.2	211.2	214.3	220.4	225.8	234.2	241.8
62.5°	178.3	177.6	180.6	183.7	189.0	192.1	195.2	202.0	208.2	217.4	225.0
65°	156.9	157.7	160.0	163.0	169.1	173.0	176.8	184.4	191.3	199.8	208.2
67.5°	136.2	136.2	139.3	143.1	150.8	154.6	158.4	166.8	173.7	183.7	192.1
70°	116.3	117.1	120.9	124.7	132.4	136.2	140.8	150.0	157.7	167.6	177.6
72.5°	97.2	98.7	101.8	107.9	115.6	119.4	124.7	133.9	141.6	152.3	162.2
75°	79.6	80.4	84.2	91.1	99.5	104.1	108.7	118.6	127.8	137.8	147.7
77.5°	61.2	62.8	67.3	75.0	85.0	89.5	94.1	104.8	114.0	124.0	133.9
80°	45.2	46.7	52.8	60.5	71.2	75.8	81.1	91.8	101.0	111.0	120.9
82.5°	30.6	32.9	39.0	47.5	58.2	63.5	68.9	79.6	89.5	99.5	109.4
85°	18.4	20.7	27.6	36.7	47.5	52.0	57.4	68.9	78.1	88.0	98.0
87.5°	7.7	11.5	18.4	27.6	37.5	42.1	48.2	58.9	68.1	77.3	87.2
90°	0.0	4.6	11.5	19.9	29.8	34.4	39.0	49.7	58.9	68.1	77.3
92.5°	0.0	1.5	6.9	13.8	23.0	26.8	31.4	41.3	49.7	58.9	68.1
95°	0.0	0.8	3.8	9.9	16.8	20.7	25.3	34.4	42.1	51.3	58.9
97.5°	0.0	0.0	2.3	6.9	13.0	16.1	19.9	28.3	36.0	43.6	52.0
100°	0.0	0.0	1.5	4.6	9.2	12.2	15.3	23.0	29.8	37.5	44.4
102.5°	0.0	0.0	0.8	3.1	6.9	9.2	11.5	18.4	24.5	31.4	38.3
105°	0.0	0.0	0.8	1.5	4.6	6.9	9.2	14.5	19.9	26.0	32.9
107.5°	0.0	0.0	0.0	1.5	3.8	5.4	6.9	11.5	16.1	21.4	27.6
110°	0.0	0.0	0.0	0.8	2.3	3.8	5.4	9.2	13.0	17.6	23.0



TEST NUMBER: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.8	1.5	2.3	3.8	6.9	9.9	14.5	18.4
115°	0.0	0.0	0.0	0.0	0.8	1.5	2.3	5.4	7.7	11.5	15.3
117.5°	0.0	0.0	0.0	0.0	0.8	1.5	1.5	3.8	6.1	9.2	12.2
120°	0.0	0.0	0.0	0.0	0.8	0.8	1.5	3.1	4.6	6.9	9.9
122.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	3.1	5.4	7.7
125°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3	3.8	6.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	3.1	4.6
130°	0.8	0.0	0.0	0.0	0.8	0.0	0.8	0.8	1.5	2.3	3.1
132.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3
135°	0.8	0.8	0.0	0.0	0.8	0.0	0.0	0.8	0.8	0.8	1.5
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	545.7	539.6	543.4	542.6	541.9	540.3	544.1	541.1	542.6	542.6
5°	543.4	537.3	541.9	541.9	541.1	539.6	543.4	540.3	542.6	543.4
7.5°	539.6	535.0	539.6	538.8	538.8	537.3	541.1	538.8	541.1	541.1
10°	535.0	530.4	535.0	534.2	534.2	532.7	535.7	533.4	535.7	535.7
12.5°	528.8	524.2	529.6	528.8	528.1	527.3	530.4	528.1	531.1	531.1
15°	521.2	518.1	523.5	522.7	522.7	521.2	525.0	522.7	525.8	525.0
17.5°	512.8	509.7	515.1	515.1	514.3	514.3	516.6	514.3	518.1	518.1
20°	501.3	498.2	504.4	504.4	503.6	503.6	505.9	503.6	508.2	508.2
22.5°	489.0	486.7	492.1	492.9	492.1	492.1	494.4	492.9	497.5	497.5
25°	476.0	475.3	480.6	481.4	480.6	481.4	483.7	482.2	486.7	486.7
27.5°	462.3	462.3	467.6	468.4	469.1	469.1	471.4	469.9	475.3	474.5
30°	447.7	447.7	453.8	455.4	455.4	456.1	458.4	456.9	462.3	462.3
32.5°	432.4	433.2	439.3	441.6	441.6	443.1	444.7	443.9	449.2	450.8
35°	417.1	417.9	424.8	427.1	427.8	428.6	430.9	430.9	435.5	436.2
37.5°	399.5	402.6	408.7	411.7	412.5	414.0	416.3	416.3	421.7	423.2
40°	382.7	386.5	393.4	396.4	397.2	398.7	401.8	401.8	407.2	408.7
42.5°	366.6	371.2	377.3	381.9	382.7	385.0	386.5	388.0	393.4	394.9
45°	349.0	354.3	361.2	365.8	367.4	369.7	371.2	373.5	378.1	380.4
47.5°	332.2	337.5	345.2	350.5	351.3	354.3	355.9	358.2	362.8	365.1
50°	314.5	321.4	329.1	335.2	336.0	338.3	340.6	342.9	347.5	349.8
52.5°	297.7	304.6	312.3	318.4	319.9	322.2	324.5	326.8	332.2	334.4
55°	280.9	287.8	295.4	302.3	303.8	306.1	308.4	311.5	316.8	319.1
57.5°	264.0	271.7	279.3	286.2	287.8	290.8	293.1	296.2	300.8	303.8
60°	248.0	255.6	264.0	270.9	271.7	276.3	277.8	280.9	285.5	287.8
62.5°	231.1	241.1	248.0	255.6	257.1	260.2	262.5	265.6	270.2	273.2
65°	215.1	225.0	231.9	239.5	241.8	244.9	247.2	250.3	254.9	257.9
67.5°	199.8	209.7	217.4	225.0	227.3	229.6	232.7	235.7	239.5	243.4
70°	185.2	195.9	202.8	210.5	212.8	215.8	218.9	221.2	225.8	229.6
72.5°	170.7	181.4	188.3	196.7	198.2	201.3	204.3	207.4	211.2	214.3
75°	156.1	166.8	174.5	182.1	184.4	187.5	190.6	193.6	197.5	200.5
77.5°	142.4	153.1	160.7	169.1	170.7	173.7	177.6	180.6	183.7	186.7
80°	129.3	140.1	147.7	155.4	157.7	160.7	163.8	167.6	170.7	173.7
82.5°	117.9	127.8	134.7	143.1	144.6	147.7	150.8	153.8	156.9	160.0
85°	106.4	116.3	123.2	130.9	132.4	135.5	138.5	141.6	145.4	147.7
87.5°	95.7	104.8	112.5	119.4	120.9	124.0	127.0	129.3	132.4	135.5
90°	85.7	94.9	101.8	108.7	110.2	113.3	115.6	118.6	121.7	124.0
92.5°	75.8	85.0	91.1	98.0	99.5	102.6	105.6	107.9	111.0	113.3
95°	67.3	75.8	81.9	88.8	89.5	92.6	95.7	98.0	101.0	102.6
97.5°	58.9	67.3	73.5	79.6	80.4	83.4	86.5	88.8	91.1	93.4
100°	51.3	58.9	65.1	70.4	71.9	74.2	77.3	79.6	81.9	83.4
102.5°	44.4	51.3	56.6	62.8	63.5	66.6	68.9	71.2	73.5	75.0
105°	38.3	45.2	49.7	55.1	55.9	58.9	61.2	63.5	65.8	66.6
107.5°	32.9	38.3	42.9	48.2	49.7	51.3	53.6	55.9	58.2	58.9
110°	27.6	32.9	37.5	41.3	42.9	45.2	46.7	49.0	50.5	51.3





TEST NUMBER: P893109

CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	23.0	27.6	31.4	36.0	36.7	39.0	40.6	42.1	44.4	45.2
115°	19.1	23.7	26.8	30.6	31.4	32.9	35.2	36.7	38.3	39.0
117.5°	16.1	19.1	22.2	25.3	26.8	28.3	29.8	31.4	32.1	32.9
120°	13.0	16.1	18.4	21.4	22.2	23.7	25.3	26.0	27.6	28.3
122.5°	9.9	13.0	15.3	17.6	18.4	19.9	20.7	22.2	23.0	23.0
125°	7.7	9.9	12.2	13.8	14.5	16.1	16.8	18.4	19.1	19.1
127.5°	6.1	7.7	9.2	11.5	11.5	13.0	13.8	14.5	15.3	15.3
130°	4.6	6.1	7.7	8.4	9.2	9.9	10.7	11.5	12.2	12.2
132.5°	3.1	4.6	5.4	6.9	6.9	7.7	8.4	8.4	9.2	9.2
135°	2.3	3.1	3.8	4.6	5.4	5.4	6.1	6.9	6.9	6.9
137.5°	1.5	2.3	3.1	3.8	3.8	3.8	4.6	4.6	5.4	5.4
140°	0.8	1.5	1.5	2.3	2.3	3.1	3.1	3.1	3.8	3.8
142.5°	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
145°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.8	0.8	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P893109  
 CATALOG NUMBER: 2MB-SC3-RND-UNV-CC83-MID-5000K

**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	17.22	18.75	17.68	19.21	19.69	18.98	20.52	19.45	20.97	21.46
	3H	18.84	20.24	19.32	20.71	21.23	21.57	22.97	22.05	23.43	23.96
	4H	19.42	20.75	19.93	21.23	21.77	22.86	24.19	23.37	24.67	25.21
	6H	19.82	21.06	20.34	21.56	22.11	24.26	25.49	24.77	25.99	26.55
	8H	19.94	21.13	20.47	21.65	22.21	24.99	26.18	25.52	26.70	27.26
	12H	20.02	21.15	20.55	21.67	22.26	25.84	26.97	26.37	27.49	28.08
4H	2H	18.19	19.52	18.69	20.00	20.54	19.53	20.86	20.03	21.34	21.88
	3H	20.12	21.25	20.64	21.78	22.34	22.41	23.54	22.92	24.07	24.63
	4H	20.88	21.92	21.42	22.46	23.05	23.92	24.96	24.45	25.49	26.08
	6H	21.45	22.37	22.01	22.93	23.54	25.54	26.46	26.10	27.02	27.63
	8H	21.63	22.50	22.19	23.06	23.68	26.41	27.27	26.97	27.83	28.45
	12H	21.75	22.54	22.34	23.13	23.75	27.40	28.18	27.98	28.77	29.40
8H	4H	21.78	22.64	22.34	23.21	23.83	24.27	25.13	24.83	25.69	26.31
	6H	22.65	23.39	23.24	23.99	24.62	26.15	26.89	26.75	27.49	28.12
	8H	23.00	23.66	23.60	24.28	24.92	27.22	27.88	27.83	28.50	29.14
	12H	23.27	23.86	23.87	24.46	25.17	28.47	29.06	29.07	29.66	30.37
12H	4H	22.06	22.85	22.64	23.44	24.06	24.31	25.09	24.89	25.68	26.31
	6H	23.10	23.77	23.71	24.38	25.02	26.26	26.92	26.86	27.54	28.17
	8H	23.62	24.21	24.22	24.81	25.52	27.44	28.03	28.04	28.63	29.34