

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: P893133

Luminaire Tested: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

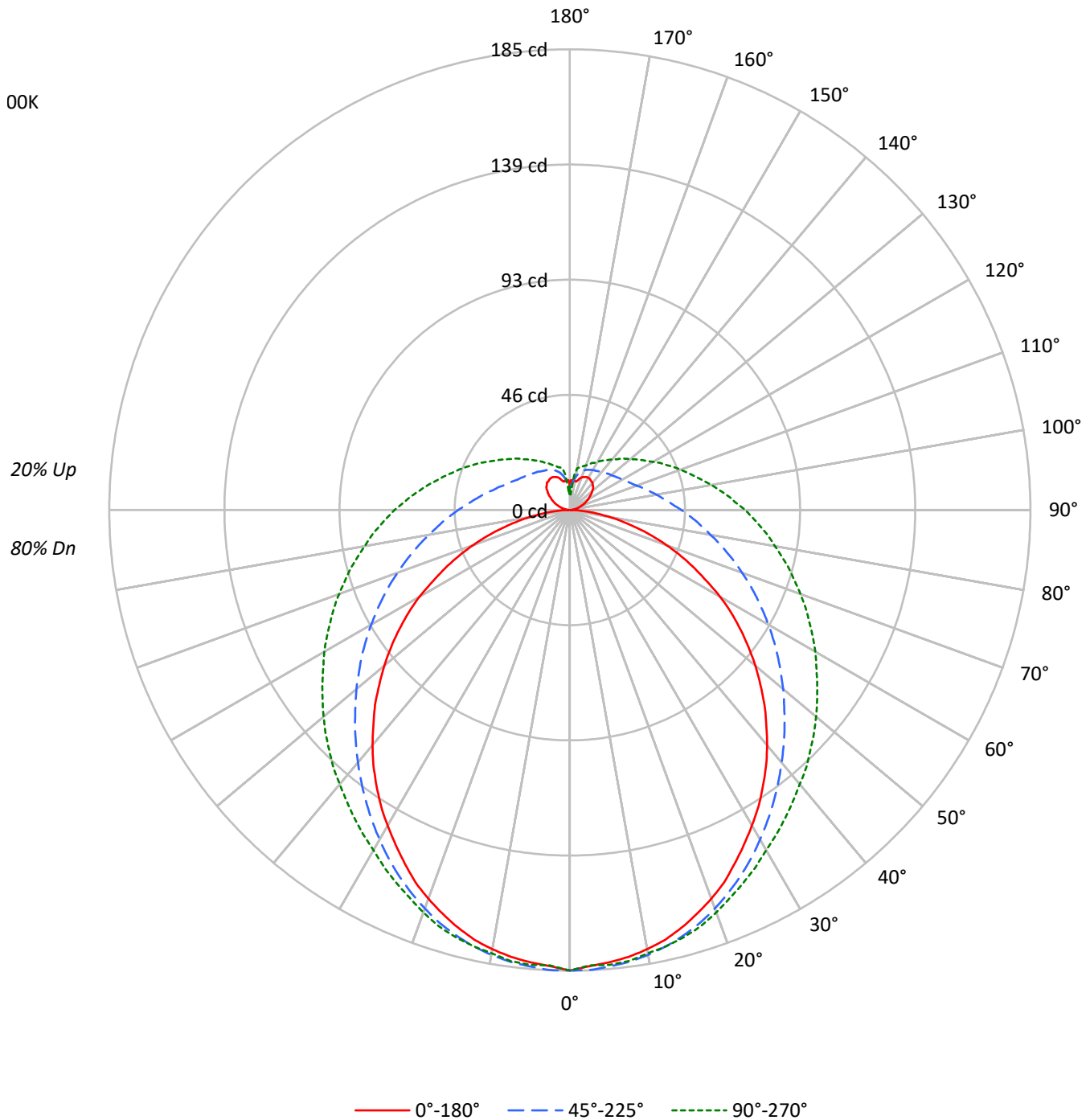
Test Method: LM-79-2019  
Report Number: P893133  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K  
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50  
CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 777.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')  
CIE Type: Semi-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: P893133  
CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

### 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	37	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2645	2645	2645
5°	2594	2540	2512
10°	2554	2437	2394
15°	2501	2330	2292
20°	2435	2219	2183
25°	2358	2107	2076
30°	2278	1993	1979
35°	2201	1884	1905
40°	2116	1782	1838
45°	2024	1688	1785
50°	1924	1606	1738
55°	1815	1531	1697
60°	1689	1464	1672
65°	1524	1406	1651
70°	1346	1357	1646
75°	1119	1323	1655
80°	836	1306	1679
85°	507	1330	1738

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2024 cd/sqm



TEST NUMBER: P893133

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.5	2.3
10°-20°	49.9	6.4
20°-30°	74.8	9.6
30°-40°	89.9	11.6
40°-50°	95.3	12.3
50°-60°	91.8	11.8
60°-70°	81.1	10.4
70°-80°	66.3	8.5
80°-90°	51.5	6.6
90°-100°	39.9	5.1
100°-110°	31.6	4.1
110°-120°	25.3	3.3
120°-130°	20.2	2.6
130°-140°	16.0	2.1
140°-150°	12.0	1.6
150°-160°	8.2	1.1
160°-170°	4.4	0.6
170°-180°	1.1	0.1
0°-30°	142.2	18.3
0°-40°	232.2	29.9
0°-60°	419.3	54.0
0°-90°	618.1	79.6
90°-120°	96.8	12.5
90°-150°	145.1	18.7
90°-180°	159.0	20.5
0°-180°	777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	185	185	185	185	185	
5°	182	184	184	185	183	17
15°	174	176	177	178	178	49
25°	157	161	162	165	165	72
35°	135	139	143	149	151	85
45°	111	115	122	133	137	85
55°	84	89	102	116	121	75
65°	55	63	83	100	106	55
75°	28	42	65	84	91	30
85°	7	25	51	70	77	7
90°	0	20	45	63	70	1
95°	1	16	40	57	64	1
105°	4	13	32	46	52	4
115°	7	13	26	38	43	7
125°	10	13	23	32	35	9
135°	13	14	21	27	29	10
145°	15	15	19	23	24	9
155°	15	16	18	20	21	7
165°	12	14	16	18	18	4
175°	12	11	11	10	9	1
180°	9	9	9	9	9	



TEST NUMBER: P893133

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	183.3	184.3	184.6	184.3	184.3	184.9	184.9	186.2	186.6	184.6	184.9
5°	182.3	183.3	184.0	183.6	183.6	184.3	184.0	185.3	185.6	184.0	184.0
7.5°	181.0	182.0	182.7	182.3	182.3	183.0	182.7	184.0	184.3	183.0	183.0
10°	179.1	180.4	181.0	180.4	180.7	181.4	181.0	182.3	182.7	181.4	181.4
12.5°	176.8	178.1	178.8	178.4	178.8	179.1	178.8	180.4	180.7	179.4	179.4
15°	173.6	175.2	175.5	175.2	175.5	176.5	175.8	177.1	178.1	176.8	176.8
17.5°	170.0	171.6	172.3	172.0	172.6	173.3	172.6	174.2	174.9	173.6	173.9
20°	166.1	167.7	168.4	168.1	168.7	169.4	168.7	170.3	171.0	170.0	170.3
22.5°	161.9	163.5	164.2	163.8	164.5	165.1	164.5	166.1	167.1	166.1	166.4
25°	156.7	158.7	159.3	159.0	159.6	160.6	159.6	161.6	162.5	161.9	162.2
27.5°	151.5	153.1	154.4	153.8	154.8	155.7	155.1	156.4	157.7	157.4	157.7
30°	146.3	147.9	149.2	148.6	149.6	150.5	149.6	151.2	152.5	152.5	152.8
32.5°	141.1	142.4	143.4	143.1	143.7	145.0	144.4	146.0	147.3	147.3	147.9
35°	135.3	136.6	137.6	137.2	138.2	139.2	138.5	140.2	141.8	142.1	142.8
37.5°	129.5	130.8	131.7	131.4	132.0	133.3	132.7	134.6	135.9	136.6	137.6
40°	123.3	124.6	125.6	125.2	126.2	127.2	126.9	128.5	130.1	131.1	132.4
42.5°	116.8	118.1	119.1	119.1	120.0	121.3	120.7	122.6	124.3	125.6	127.2
45°	110.6	111.6	112.6	112.6	113.9	114.9	114.5	116.5	118.4	120.0	122.0
47.5°	103.8	105.1	105.8	106.1	107.4	108.4	108.4	110.3	112.6	114.9	116.8
50°	97.3	98.3	99.3	99.3	100.9	101.9	101.9	104.1	107.1	109.7	111.9
52.5°	90.5	91.5	92.5	92.8	94.1	95.4	95.4	98.0	101.2	104.1	106.7
55°	83.7	84.7	85.3	86.0	87.6	88.6	89.2	92.1	95.7	98.6	101.9
57.5°	76.9	77.5	78.5	79.2	81.1	82.4	83.4	86.6	90.2	93.8	97.0
60°	69.8	70.7	71.4	72.4	74.3	76.2	77.2	80.8	84.7	88.6	92.1
62.5°	62.0	62.9	63.9	65.2	68.1	69.8	71.4	75.3	79.2	83.4	87.3
65°	55.2	55.8	56.8	58.1	61.3	63.3	65.2	69.4	74.0	78.5	82.7
67.5°	48.3	49.0	50.3	51.9	55.5	57.4	59.4	63.9	69.1	74.0	78.2
70°	41.5	41.9	43.5	45.7	49.6	51.6	53.9	58.4	63.6	69.1	73.6
72.5°	34.7	35.4	37.0	39.6	44.1	46.4	48.7	53.9	59.0	64.2	69.4
75°	28.2	28.6	30.8	34.1	38.9	41.5	44.1	49.3	54.8	60.3	65.2
77.5°	22.1	22.4	25.3	28.9	34.1	37.0	39.6	44.8	50.6	56.1	61.3
80°	16.2	16.9	19.8	24.3	29.5	32.4	35.7	41.2	46.7	52.6	57.4
82.5°	11.0	12.0	15.2	20.1	25.6	28.9	31.8	37.3	43.2	49.0	53.9
85°	6.8	7.8	11.7	16.5	22.4	25.3	28.2	34.1	39.9	45.4	50.9
87.5°	2.9	4.9	8.8	13.6	19.5	22.4	25.6	31.1	36.7	42.5	47.7
90°	0.3	2.9	6.8	11.7	17.2	20.1	23.0	28.6	34.1	39.6	44.8
92.5°	0.3	1.9	5.5	10.1	15.2	18.2	20.8	26.3	31.5	37.0	41.9
95°	1.0	1.9	4.9	9.1	14.0	16.5	19.1	24.3	29.5	34.7	39.6
97.5°	1.3	2.3	4.9	8.4	12.7	15.2	17.8	22.7	27.6	32.4	37.3
100°	1.9	2.6	4.9	8.1	12.0	14.3	16.5	21.1	26.0	30.8	35.4
102.5°	2.6	3.2	5.2	8.1	11.7	13.6	15.9	20.1	24.3	28.9	33.4
105°	3.6	3.9	5.5	8.1	11.4	13.3	15.2	19.1	23.0	27.6	31.5
107.5°	4.2	4.5	5.8	8.4	11.4	13.0	14.9	18.2	22.1	26.0	30.2
110°	4.9	4.9	6.5	8.8	11.4	12.7	14.6	17.8	21.4	25.0	28.6



TEST NUMBER: P893133

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	5.8	5.8	6.8	9.1	11.4	12.7	14.3	17.2	20.4	24.0	27.3
115°	6.8	6.5	7.5	9.4	11.7	12.7	14.3	16.9	19.8	23.0	26.3
117.5°	7.5	7.1	8.1	9.7	11.7	13.0	14.3	16.9	19.5	22.4	25.3
120°	8.4	7.8	8.4	10.1	12.0	13.0	14.3	16.5	19.1	21.7	24.3
122.5°	9.1	8.8	9.1	10.7	12.3	13.0	14.3	16.2	18.8	21.1	23.7
125°	10.1	9.4	9.7	11.0	12.7	13.3	14.6	16.2	18.5	20.8	23.0
127.5°	11.0	10.1	10.1	11.4	12.7	13.6	14.6	16.2	18.2	20.1	22.4
130°	11.7	11.0	10.7	12.0	13.0	13.6	14.6	16.2	17.8	19.8	21.7
132.5°	12.7	11.7	11.4	12.3	13.3	14.0	14.9	16.2	17.8	19.5	21.4
135°	13.3	12.3	12.0	12.7	13.6	14.3	14.9	16.2	17.8	19.1	20.8
137.5°	13.6	13.0	12.7	13.0	14.0	14.6	15.2	16.2	17.5	18.8	20.4
140°	14.3	13.6	13.3	13.6	14.3	14.6	15.2	16.2	17.5	18.5	20.1
142.5°	14.3	14.3	13.6	14.0	14.3	14.9	15.6	16.2	17.2	18.5	19.5
145°	14.6	14.6	14.3	14.6	14.6	14.9	15.6	16.2	17.2	18.2	19.1
147.5°	14.9	14.9	14.9	14.9	14.9	15.2	15.6	16.2	17.2	17.8	18.8
150°	14.9	14.9	15.2	15.2	15.6	15.6	15.9	16.2	17.2	17.8	18.5
152.5°	14.9	14.6	15.2	15.6	15.9	15.9	15.9	16.2	16.9	17.5	18.2
155°	14.6	14.3	14.9	15.2	15.6	15.9	16.2	16.2	16.9	17.2	17.8
157.5°	14.3	14.0	14.6	14.9	15.2	15.6	15.9	15.9	16.2	16.9	17.5
160°	14.0	13.6	14.0	14.6	14.9	15.2	15.6	15.6	15.9	16.2	16.9
162.5°	13.3	13.0	13.3	14.0	14.3	14.6	14.9	15.2	15.6	15.9	16.2
165°	12.3	12.3	12.3	13.0	13.6	14.0	14.3	14.6	14.9	15.2	15.6
167.5°	11.7	11.4	11.7	12.0	12.7	13.0	13.3	13.6	14.0	14.3	14.6
170°	11.7	11.4	11.4	11.7	12.0	12.0	12.3	12.7	13.0	13.3	13.6
172.5°	12.0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.0	12.0
175°	12.0	12.0	11.7	11.7	11.4	11.4	11.4	11.4	11.0	10.7	10.7
177.5°	12.0	12.0	12.0	11.7	11.7	11.4	11.4	11.4	11.0	10.7	10.1
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4



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CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	184.6	184.6	183.3	184.6	184.9	184.3	184.0	184.6	183.6	183.0
5°	184.0	184.0	183.0	184.3	184.6	184.0	184.0	184.6	183.6	183.3
7.5°	182.7	183.0	182.3	183.6	184.0	183.3	183.3	184.0	183.3	182.7
10°	181.4	181.4	181.0	182.0	182.0	181.7	181.4	182.0	181.7	180.7
12.5°	179.4	179.7	179.1	180.4	180.7	180.1	180.1	180.7	180.1	179.4
15°	177.1	177.1	177.1	178.1	178.4	178.1	178.1	178.8	178.1	177.5
17.5°	174.2	174.6	174.6	175.8	176.2	175.5	175.5	176.5	176.2	175.2
20°	170.7	171.0	171.3	172.3	172.6	172.3	172.3	172.9	172.9	172.0
22.5°	167.1	167.1	167.7	168.7	169.0	168.7	168.7	169.7	169.7	168.4
25°	162.9	162.9	163.8	165.1	165.1	164.8	165.1	165.8	166.1	165.1
27.5°	158.7	159.0	160.0	161.2	161.2	161.2	161.2	162.2	162.2	161.6
30°	153.8	154.4	155.4	156.7	157.0	157.0	157.4	158.0	158.7	157.7
32.5°	148.9	149.6	150.9	152.5	152.8	153.1	153.5	154.8	155.4	154.4
35°	144.1	144.7	146.6	148.6	148.9	149.2	149.9	151.2	151.8	150.9
37.5°	139.2	140.2	142.8	144.4	145.0	145.4	146.3	147.3	148.6	147.3
40°	134.6	135.6	138.5	140.5	140.8	141.5	142.4	143.7	144.7	143.7
42.5°	129.8	131.1	134.0	136.3	136.9	137.6	138.5	139.8	141.1	140.5
45°	124.9	126.5	129.8	132.0	132.7	133.7	135.0	136.3	137.6	136.6
47.5°	120.0	122.0	125.6	127.8	128.5	129.8	131.1	132.4	133.7	133.0
50°	115.2	117.1	121.0	123.6	124.6	125.9	126.9	128.5	129.8	129.1
52.5°	110.6	112.6	116.8	119.4	120.4	121.7	123.0	124.6	125.9	125.2
55°	105.4	107.7	112.3	114.9	115.8	117.4	119.1	120.4	122.0	121.3
57.5°	100.9	103.5	108.0	111.0	111.9	113.6	115.2	116.8	118.4	117.4
60°	96.4	99.0	103.8	106.7	107.7	109.7	111.3	112.6	114.5	113.9
62.5°	91.8	94.7	99.3	102.5	103.8	105.4	107.1	108.7	110.3	110.0
65°	87.0	90.2	95.1	98.3	99.6	101.6	103.2	104.8	106.4	106.1
67.5°	83.1	86.3	91.2	94.4	95.7	97.7	99.6	101.2	102.8	102.5
70°	78.5	82.1	87.0	90.2	91.5	93.4	95.4	97.0	98.6	98.6
72.5°	74.6	78.2	83.1	86.3	87.9	89.9	91.8	93.4	95.1	94.7
75°	70.7	74.3	79.2	82.4	84.0	86.3	88.2	89.9	91.5	91.2
77.5°	66.5	70.4	75.3	78.5	80.1	82.4	84.4	86.0	87.6	87.3
80°	62.6	66.8	71.7	74.9	76.6	78.5	80.8	82.4	84.0	83.7
82.5°	59.0	63.3	68.5	71.7	73.3	75.3	77.5	79.2	80.5	80.5
85°	55.8	59.7	64.6	68.1	69.8	71.7	74.0	75.6	77.2	76.9
87.5°	52.6	56.5	61.0	64.6	66.2	68.1	70.7	72.4	73.6	73.6
90°	49.6	53.5	58.1	61.3	62.9	64.9	67.2	69.1	70.4	70.4
92.5°	47.0	50.6	55.2	58.1	59.7	61.6	64.2	65.5	66.8	66.8
95°	44.4	48.0	52.2	55.2	56.8	58.7	61.0	62.6	63.6	63.9
97.5°	41.9	45.4	49.6	52.2	53.9	55.8	58.1	59.4	60.3	60.7
100°	39.6	43.2	47.0	49.6	51.3	53.2	55.2	56.5	57.4	57.8
102.5°	37.6	40.9	44.8	47.4	48.7	50.3	52.6	53.9	54.8	54.8
105°	35.7	38.9	42.5	45.1	46.4	48.0	50.0	51.3	52.2	52.2
107.5°	33.7	37.0	40.2	42.8	44.1	45.4	47.4	48.7	49.6	49.6
110°	32.1	35.0	38.3	40.6	41.9	43.2	45.1	46.4	47.0	47.4





TEST NUMBER: P893133

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	30.8	33.4	36.3	38.6	39.9	41.2	42.8	44.1	44.8	45.1
115°	29.5	31.8	34.7	36.7	38.0	39.3	40.9	41.9	42.5	42.8
117.5°	28.2	30.5	33.1	35.0	36.0	37.3	38.9	39.9	40.6	40.9
120°	27.3	29.2	31.8	33.4	34.4	35.7	37.0	38.0	38.6	38.6
122.5°	26.0	28.2	30.2	31.8	32.8	33.7	35.4	36.0	36.7	36.7
125°	25.3	26.9	29.2	30.5	31.5	32.4	33.7	34.4	35.0	35.0
127.5°	24.3	26.0	27.9	29.2	29.8	30.8	32.1	32.8	33.1	33.4
130°	23.7	25.3	26.9	28.2	28.9	29.5	30.8	31.1	31.8	31.8
132.5°	23.0	24.3	26.0	26.9	27.6	28.2	29.2	29.8	30.2	30.5
135°	22.4	23.7	25.0	26.0	26.6	27.3	28.2	28.6	28.9	29.2
137.5°	21.7	23.0	24.0	25.0	25.3	26.0	26.9	27.3	27.6	27.6
140°	21.1	22.4	23.4	24.0	24.7	25.0	26.0	26.3	26.3	26.6
142.5°	20.8	21.7	22.4	23.0	23.7	24.0	24.7	25.0	25.3	25.3
145°	20.1	21.1	21.7	22.4	22.7	23.0	23.7	24.0	24.3	24.3
147.5°	19.8	20.4	21.1	21.7	22.1	22.4	23.0	23.0	23.4	23.4
150°	19.1	20.1	20.4	21.1	21.4	21.4	22.1	22.4	22.4	22.4
152.5°	18.8	19.5	19.8	20.1	20.4	20.8	21.1	21.4	21.4	21.4
155°	18.5	19.1	19.5	19.8	19.8	20.1	20.4	20.4	20.4	20.8
157.5°	18.2	18.5	18.8	19.1	19.1	19.5	19.8	19.8	19.8	19.8
160°	17.5	17.8	18.2	18.5	18.8	18.8	19.1	19.1	19.1	19.1
162.5°	16.5	17.2	17.5	17.8	18.2	18.2	18.5	18.5	18.5	18.5
165°	15.9	16.2	16.5	17.2	17.5	17.5	17.8	17.8	17.8	17.8
167.5°	15.2	15.2	15.6	15.9	16.5	16.9	17.2	17.5	17.5	17.5
170°	14.0	14.0	14.3	14.3	14.9	15.2	15.9	16.5	16.9	16.9
172.5°	12.3	12.3	12.7	12.3	12.7	12.7	13.0	13.6	14.3	14.6
175°	10.7	10.7	10.1	9.7	9.7	9.4	9.4	9.1	8.4	9.1
177.5°	9.4	9.1	8.4	7.8	7.8	7.5	7.5	6.8	6.2	6.2
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4



TEST NUMBER: P893133  
 CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-LOW-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	10.27	11.58	10.92	12.25	13.02	13.66	14.97	14.30	15.64	16.41
	3H	11.60	12.79	12.25	13.47	14.27	16.47	17.67	17.13	18.35	19.15
	4H	11.99	13.13	12.67	13.82	14.63	17.89	19.03	18.57	19.72	20.53
	6H	12.20	13.26	12.89	13.96	14.79	19.38	20.44	20.06	21.13	21.97
	8H	12.24	13.25	12.93	13.97	14.80	20.13	21.15	20.83	21.87	22.70
	12H	12.24	13.21	12.94	13.93	14.79	20.92	21.90	21.63	22.61	23.47
4H	2H	11.40	12.53	12.07	13.22	14.04	14.00	15.13	14.67	15.82	16.64
	3H	13.00	13.98	13.69	14.70	15.54	17.05	18.02	17.74	18.75	19.58
	4H	13.56	14.46	14.27	15.19	16.05	18.64	19.54	19.35	20.27	21.13
	6H	13.90	14.70	14.63	15.45	16.32	20.34	21.14	21.07	21.89	22.76
	8H	13.98	14.73	14.70	15.48	16.36	21.22	21.97	21.95	22.72	23.60
	12H	14.01	14.69	14.75	15.46	16.35	22.15	22.84	22.90	23.61	24.50
8H	4H	14.61	15.36	15.33	16.10	16.99	18.82	19.57	19.55	20.32	21.21
	6H	15.22	15.86	15.97	16.65	17.53	20.71	21.35	21.46	22.13	23.02
	8H	15.42	16.00	16.18	16.78	17.68	21.74	22.31	22.50	23.10	24.00
	12H	15.53	16.05	16.30	16.83	17.79	22.87	23.39	23.64	24.17	25.12
12H	4H	14.94	15.62	15.69	16.39	17.28	18.82	19.50	19.57	20.27	21.16
	6H	15.71	16.29	16.48	17.08	17.98	20.74	21.32	21.51	22.11	23.01
	8H	16.04	16.56	16.82	17.34	18.30	21.84	22.35	22.61	23.13	24.09