

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: P893126

Luminaire Tested: 2MB-SC3-RNDU-UNV-CC83-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893126
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-CC83-MID-4000K
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

Summary

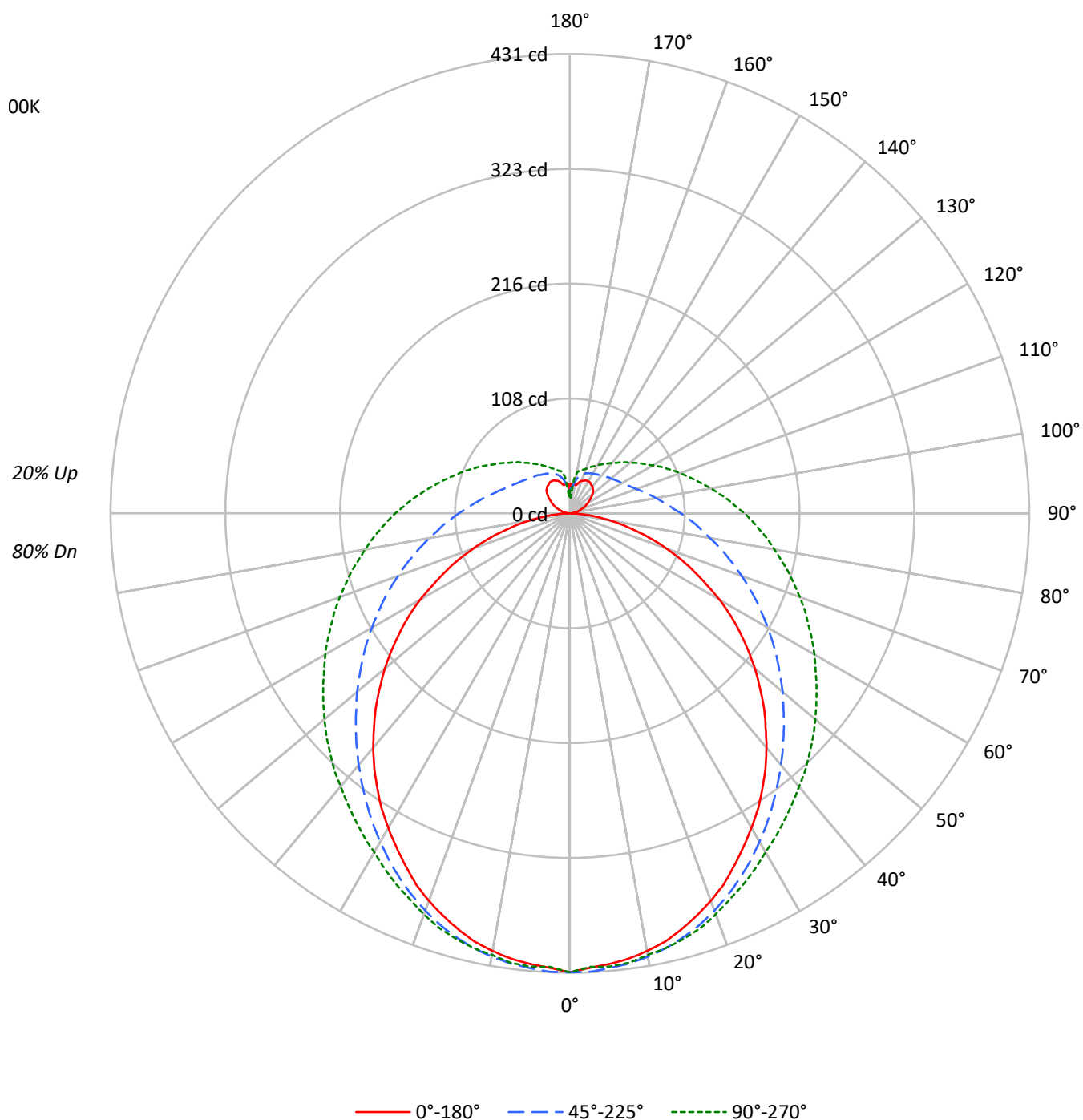
Lumens per Lamp: N/A
Luminaire Lumens: 1809.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6160	6160	6160
5°	6040	5912	5849
10°	5947	5672	5573
15°	5821	5426	5336
20°	5671	5169	5081
25°	5489	4905	4834
30°	5305	4640	4607
35°	5123	4386	4433
40°	4925	4148	4280
45°	4715	3930	4156
50°	4481	3741	4047
55°	4226	3565	3953
60°	3930	3409	3892
65°	3546	3275	3844
70°	3137	3161	3833
75°	2607	3080	3854
80°	1950	3043	3909
85°	1185	3100	4045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	2.3
10°-20°	116.2	6.4
20°-30°	174.2	9.6
30°-40°	209.4	11.6
40°-50°	222.0	12.3
50°-60°	213.7	11.8
60°-70°	188.7	10.4
70°-80°	154.4	8.5
80°-90°	119.9	6.6
90°-100°	92.9	5.1
100°-110°	73.7	4.1
110°-120°	58.9	3.3
120°-130°	47.1	2.6
130°-140°	37.2	2.1
140°-150°	28.0	1.6
150°-160°	19.2	1.1
160°-170°	10.2	0.6
170°-180°	2.6	0.1
0°-30°	331.1	18.3
0°-40°	540.5	29.9
0°-60°	976.1	54.0
0°-90°	1439.2	79.6
90°-120°	225.5	12.5
90°-150°	337.8	18.7
90°-180°	370.0	20.5
0°-180°	1809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	424	429	428	430	427	40
15°	404	411	412	416	413	114
25°	365	374	378	384	384	168
35°	315	324	332	347	351	197
45°	258	267	284	309	318	198
55°	195	206	237	270	282	174
65°	128	147	193	232	247	127
75°	66	97	152	196	212	70
85°	16	59	119	162	179	17
90°	1	47	104	146	164	1
95°	2	38	92	132	149	2
105°	8	31	73	108	122	8
115°	16	30	61	88	100	15
125°	23	31	54	73	82	21
135°	31	33	48	62	68	24
145°	34	35	45	53	57	21
155°	34	37	42	46	48	16
165°	29	32	36	41	42	8
175°	28	26	25	23	21	3
180°	22	22	22	22	22	

TEST NUMBER: P893126

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-MID-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6
2.5°	426.8	429.1	429.8	429.1	429.1	430.6	430.6	433.6	434.3	429.8	430.6
5°	424.5	426.8	428.3	427.5	427.5	429.1	428.3	431.3	432.1	428.3	428.3
7.5°	421.5	423.8	425.3	424.5	424.5	426.0	425.3	428.3	429.1	426.0	426.0
10°	417.0	420.0	421.5	420.0	420.7	422.3	421.5	424.5	425.3	422.3	422.3
12.5°	411.7	414.7	416.2	415.5	416.2	417.0	416.2	420.0	420.7	417.7	417.7
15°	404.1	407.9	408.7	407.9	408.7	410.9	409.4	412.4	414.7	411.7	411.7
17.5°	395.8	399.6	401.1	400.3	401.9	403.4	401.9	405.6	407.1	404.1	404.9
20°	386.8	390.5	392.0	391.3	392.8	394.3	392.8	396.6	398.1	395.8	396.6
22.5°	376.9	380.7	382.2	381.5	383.0	384.5	383.0	386.8	389.0	386.8	387.5
25°	364.8	369.4	370.9	370.1	371.6	373.9	371.6	376.2	378.4	376.9	377.7
27.5°	352.8	356.5	359.6	358.0	360.3	362.6	361.1	364.1	367.1	366.4	367.1
30°	340.7	344.4	347.5	346.0	348.2	350.5	348.2	352.0	355.0	355.0	355.8
32.5°	328.6	331.6	333.9	333.1	334.6	337.7	336.1	339.9	342.9	342.9	344.4
35°	315.0	318.0	320.3	319.5	321.8	324.1	322.5	326.3	330.1	330.9	332.4
37.5°	301.4	304.4	306.7	305.9	307.4	310.5	308.9	313.5	316.5	318.0	320.3
40°	287.0	290.1	292.3	291.6	293.8	296.1	295.4	299.1	302.9	305.2	308.2
42.5°	271.9	275.0	277.2	277.2	279.5	282.5	281.0	285.5	289.3	292.3	296.1
45°	257.6	259.8	262.1	262.1	265.1	267.4	266.6	271.2	275.7	279.5	284.0
47.5°	241.7	244.7	246.3	247.0	250.0	252.3	252.3	256.8	262.1	267.4	271.9
50°	226.6	228.9	231.1	231.1	234.9	237.2	237.2	242.5	249.3	255.3	260.6
52.5°	210.7	213.0	215.3	216.0	219.1	222.1	222.1	228.1	235.7	242.5	248.5
55°	194.9	197.2	198.7	200.2	204.0	206.2	207.7	214.5	222.8	229.6	237.2
57.5°	179.0	180.5	182.8	184.3	188.8	191.9	194.1	201.7	210.0	218.3	225.9
60°	162.4	164.7	166.2	168.4	173.0	177.5	179.8	188.1	197.2	206.2	214.5
62.5°	144.3	146.5	148.8	151.8	158.6	162.4	166.2	175.2	184.3	194.1	203.2
65°	128.4	129.9	132.2	135.2	142.8	147.3	151.8	161.6	172.2	182.8	192.6
67.5°	112.6	114.1	117.1	120.9	129.2	133.7	138.2	148.8	160.9	172.2	182.0
70°	96.7	97.4	101.2	106.5	115.6	120.1	125.4	136.0	148.1	160.9	171.5
72.5°	80.8	82.3	86.1	92.2	102.7	108.0	113.3	125.4	137.5	149.6	161.6
75°	65.7	66.5	71.8	79.3	90.6	96.7	102.7	114.8	127.7	140.5	151.8
77.5°	51.4	52.1	58.9	67.2	79.3	86.1	92.2	104.2	117.8	130.7	142.8
80°	37.8	39.3	46.1	56.7	68.7	75.5	83.1	95.9	108.8	122.4	133.7
82.5°	25.7	27.9	35.5	46.8	59.7	67.2	74.0	86.9	100.5	114.1	125.4
85°	15.9	18.1	27.2	38.5	52.1	58.9	65.7	79.3	92.9	105.8	118.6
87.5°	6.8	11.3	20.4	31.7	45.3	52.1	59.7	72.5	85.4	99.0	111.0
90°	0.8	6.8	15.9	27.2	40.0	46.8	53.6	66.5	79.3	92.2	104.2
92.5°	0.8	4.5	12.8	23.4	35.5	42.3	48.3	61.2	73.3	86.1	97.4
95°	2.3	4.5	11.3	21.2	32.5	38.5	44.6	56.7	68.7	80.8	92.2
97.5°	3.0	5.3	11.3	19.6	29.5	35.5	41.5	52.9	64.2	75.5	86.9
100°	4.5	6.0	11.3	18.9	27.9	33.2	38.5	49.1	60.4	71.8	82.3
102.5°	6.0	7.6	12.1	18.9	27.2	31.7	37.0	46.8	56.7	67.2	77.8
105°	8.3	9.1	12.8	18.9	26.4	31.0	35.5	44.6	53.6	64.2	73.3
107.5°	9.8	10.6	13.6	19.6	26.4	30.2	34.7	42.3	51.4	60.4	70.2
110°	11.3	11.3	15.1	20.4	26.4	29.5	34.0	41.5	49.9	58.2	66.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.6	13.6	15.9	21.2	26.4	29.5	33.2	40.0	47.6	55.9	63.5
115°	15.9	15.1	17.4	21.9	27.2	29.5	33.2	39.3	46.1	53.6	61.2
117.5°	17.4	16.6	18.9	22.7	27.2	30.2	33.2	39.3	45.3	52.1	58.9
120°	19.6	18.1	19.6	23.4	27.9	30.2	33.2	38.5	44.6	50.6	56.7
122.5°	21.2	20.4	21.2	24.9	28.7	30.2	33.2	37.8	43.8	49.1	55.1
125°	23.4	21.9	22.7	25.7	29.5	31.0	34.0	37.8	43.1	48.3	53.6
127.5°	25.7	23.4	23.4	26.4	29.5	31.7	34.0	37.8	42.3	46.8	52.1
130°	27.2	25.7	24.9	27.9	30.2	31.7	34.0	37.8	41.5	46.1	50.6
132.5°	29.5	27.2	26.4	28.7	31.0	32.5	34.7	37.8	41.5	45.3	49.9
135°	31.0	28.7	27.9	29.5	31.7	33.2	34.7	37.8	41.5	44.6	48.3
137.5°	31.7	30.2	29.5	30.2	32.5	34.0	35.5	37.8	40.8	43.8	47.6
140°	33.2	31.7	31.0	31.7	33.2	34.0	35.5	37.8	40.8	43.1	46.8
142.5°	33.2	33.2	31.7	32.5	33.2	34.7	36.3	37.8	40.0	43.1	45.3
145°	34.0	34.0	33.2	34.0	34.0	34.7	36.3	37.8	40.0	42.3	44.6
147.5°	34.7	34.7	34.7	34.7	34.7	35.5	36.3	37.8	40.0	41.5	43.8
150°	34.7	34.7	35.5	35.5	36.3	36.3	37.0	37.8	40.0	41.5	43.1
152.5°	34.7	34.0	35.5	36.3	37.0	37.0	37.0	37.8	39.3	40.8	42.3
155°	34.0	33.2	34.7	35.5	36.3	37.0	37.8	37.8	39.3	40.0	41.5
157.5°	33.2	32.5	34.0	34.7	35.5	36.3	37.0	37.0	37.8	39.3	40.8
160°	32.5	31.7	32.5	34.0	34.7	35.5	36.3	36.3	37.0	37.8	39.3
162.5°	31.0	30.2	31.0	32.5	33.2	34.0	34.7	35.5	36.3	37.0	37.8
165°	28.7	28.7	28.7	30.2	31.7	32.5	33.2	34.0	34.7	35.5	36.3
167.5°	27.2	26.4	27.2	27.9	29.5	30.2	31.0	31.7	32.5	33.2	34.0
170°	27.2	26.4	26.4	27.2	27.9	27.9	28.7	29.5	30.2	31.0	31.7
172.5°	27.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.9	27.9
175°	27.9	27.9	27.2	27.2	26.4	26.4	26.4	26.4	25.7	24.9	24.9
177.5°	27.9	27.9	27.9	27.2	27.2	26.4	26.4	26.4	25.7	24.9	23.4
180°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6
2.5°	429.8	429.8	426.8	429.8	430.6	429.1	428.3	429.8	427.5	426.0
5°	428.3	428.3	426.0	429.1	429.8	428.3	428.3	429.8	427.5	426.8
7.5°	425.3	426.0	424.5	427.5	428.3	426.8	426.8	428.3	426.8	425.3
10°	422.3	422.3	421.5	423.8	423.8	423.0	422.3	423.8	423.0	420.7
12.5°	417.7	418.5	417.0	420.0	420.7	419.2	419.2	420.7	419.2	417.7
15°	412.4	412.4	412.4	414.7	415.5	414.7	414.7	416.2	414.7	413.2
17.5°	405.6	406.4	406.4	409.4	410.2	408.7	408.7	410.9	410.2	407.9
20°	397.3	398.1	398.8	401.1	401.9	401.1	401.1	402.6	402.6	400.3
22.5°	389.0	389.0	390.5	392.8	393.5	392.8	392.8	395.1	395.1	392.0
25°	379.2	379.2	381.5	384.5	384.5	383.7	384.5	386.0	386.8	384.5
27.5°	369.4	370.1	372.4	375.4	375.4	375.4	375.4	377.7	377.7	376.2
30°	358.0	359.6	361.8	364.8	365.6	365.6	366.4	367.9	369.4	367.1
32.5°	346.7	348.2	351.2	355.0	355.8	356.5	357.3	360.3	361.8	359.6
35°	335.4	336.9	341.4	346.0	346.7	347.5	349.0	352.0	353.5	351.2
37.5°	324.1	326.3	332.4	336.1	337.7	338.4	340.7	342.9	346.0	342.9
40°	313.5	315.7	322.5	327.1	327.8	329.3	331.6	334.6	336.9	334.6
42.5°	302.1	305.2	312.0	317.3	318.8	320.3	322.5	325.6	328.6	327.1
45°	290.8	294.6	302.1	307.4	308.9	311.2	314.2	317.3	320.3	318.0
47.5°	279.5	284.0	292.3	297.6	299.1	302.1	305.2	308.2	311.2	309.7
50°	268.2	272.7	281.8	287.8	290.1	293.1	295.4	299.1	302.1	300.6
52.5°	257.6	262.1	271.9	278.0	280.2	283.3	286.3	290.1	293.1	291.6
55°	245.5	250.8	261.4	267.4	269.7	273.4	277.2	280.2	284.0	282.5
57.5°	234.9	241.0	251.5	258.3	260.6	264.4	268.2	271.9	275.7	273.4
60°	224.3	230.4	241.7	248.5	250.8	255.3	259.1	262.1	266.6	265.1
62.5°	213.8	220.6	231.1	238.7	241.7	245.5	249.3	253.0	256.8	256.1
65°	202.4	210.0	221.3	228.9	231.9	236.4	240.2	244.0	247.8	247.0
67.5°	193.4	200.9	212.3	219.8	222.8	227.4	231.9	235.7	239.5	238.7
70°	182.8	191.1	202.4	210.0	213.0	217.5	222.1	225.9	229.6	229.6
72.5°	173.7	182.0	193.4	200.9	204.7	209.2	213.8	217.5	221.3	220.6
75°	164.7	173.0	184.3	191.9	195.6	200.9	205.5	209.2	213.0	212.3
77.5°	154.9	163.9	175.2	182.8	186.6	191.9	196.4	200.2	204.0	203.2
80°	145.8	155.6	166.9	174.5	178.3	182.8	188.1	191.9	195.6	194.9
82.5°	137.5	147.3	159.4	166.9	170.7	175.2	180.5	184.3	187.3	187.3
85°	129.9	139.0	150.3	158.6	162.4	166.9	172.2	176.0	179.8	179.0
87.5°	122.4	131.4	142.0	150.3	154.1	158.6	164.7	168.4	171.5	171.5
90°	115.6	124.6	135.2	142.8	146.5	151.1	156.4	160.9	163.9	163.9
92.5°	109.5	117.8	128.4	135.2	139.0	143.5	149.6	152.6	155.6	155.6
95°	103.5	111.8	121.6	128.4	132.2	136.7	142.0	145.8	148.1	148.8
97.5°	97.4	105.8	115.6	121.6	125.4	129.9	135.2	138.2	140.5	141.3
100°	92.2	100.5	109.5	115.6	119.3	123.9	128.4	131.4	133.7	134.5
102.5°	87.6	95.2	104.2	110.3	113.3	117.1	122.4	125.4	127.7	127.7
105°	83.1	90.6	99.0	105.0	108.0	111.8	116.3	119.3	121.6	121.6
107.5°	78.6	86.1	93.7	99.7	102.7	105.8	110.3	113.3	115.6	115.6
110°	74.8	81.6	89.1	94.4	97.4	100.5	105.0	108.0	109.5	110.3

TEST NUMBER: P893126

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-MID-4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	71.8	77.8	84.6	89.9	92.9	95.9	99.7	102.7	104.2	105.0
115°	68.7	74.0	80.8	85.4	88.4	91.4	95.2	97.4	99.0	99.7
117.5°	65.7	71.0	77.0	81.6	83.8	86.9	90.6	92.9	94.4	95.2
120°	63.5	68.0	74.0	77.8	80.1	83.1	86.1	88.4	89.9	89.9
122.5°	60.4	65.7	70.2	74.0	76.3	78.6	82.3	83.8	85.4	85.4
125°	58.9	62.7	68.0	71.0	73.3	75.5	78.6	80.1	81.6	81.6
127.5°	56.7	60.4	65.0	68.0	69.5	71.8	74.8	76.3	77.0	77.8
130°	55.1	58.9	62.7	65.7	67.2	68.7	71.8	72.5	74.0	74.0
132.5°	53.6	56.7	60.4	62.7	64.2	65.7	68.0	69.5	70.2	71.0
135°	52.1	55.1	58.2	60.4	61.9	63.5	65.7	66.5	67.2	68.0
137.5°	50.6	53.6	55.9	58.2	58.9	60.4	62.7	63.5	64.2	64.2
140°	49.1	52.1	54.4	55.9	57.4	58.2	60.4	61.2	61.2	61.9
142.5°	48.3	50.6	52.1	53.6	55.1	55.9	57.4	58.2	58.9	58.9
145°	46.8	49.1	50.6	52.1	52.9	53.6	55.1	55.9	56.7	56.7
147.5°	46.1	47.6	49.1	50.6	51.4	52.1	53.6	53.6	54.4	54.4
150°	44.6	46.8	47.6	49.1	49.9	49.9	51.4	52.1	52.1	52.1
152.5°	43.8	45.3	46.1	46.8	47.6	48.3	49.1	49.9	49.9	49.9
155°	43.1	44.6	45.3	46.1	46.1	46.8	47.6	47.6	47.6	48.3
157.5°	42.3	43.1	43.8	44.6	44.6	45.3	46.1	46.1	46.1	46.1
160°	40.8	41.5	42.3	43.1	43.8	43.8	44.6	44.6	44.6	44.6
162.5°	38.5	40.0	40.8	41.5	42.3	42.3	43.1	43.1	43.1	43.1
165°	37.0	37.8	38.5	40.0	40.8	40.8	41.5	41.5	41.5	41.5
167.5°	35.5	35.5	36.3	37.0	38.5	39.3	40.0	40.8	40.8	40.8
170°	32.5	32.5	33.2	33.2	34.7	35.5	37.0	38.5	39.3	39.3
172.5°	28.7	28.7	29.5	28.7	29.5	29.5	30.2	31.7	33.2	34.0
175°	24.9	24.9	23.4	22.7	22.7	21.9	21.9	21.2	19.6	21.2
177.5°	21.9	21.2	19.6	18.1	18.1	17.4	17.4	15.9	14.4	14.4
180°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9

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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	13.21	14.52	13.85	15.18	15.96	16.59	17.90	17.24	18.57	19.34
	3H	14.53	15.73	15.19	16.40	17.21	19.41	20.61	20.07	21.28	22.09
	4H	14.93	16.06	15.60	16.75	17.57	20.83	21.96	21.50	22.65	23.47
	6H	15.14	16.20	15.82	16.89	17.73	22.31	23.37	23.00	24.07	24.90
	8H	15.17	16.19	15.87	16.91	17.74	23.07	24.08	23.76	24.80	25.64
	12H	15.17	16.15	15.88	16.86	17.73	23.86	24.83	24.56	25.55	26.41
4H	2H	14.33	15.47	15.01	16.16	16.97	16.93	18.07	17.61	18.76	19.57
	3H	15.94	16.91	16.63	17.64	18.47	19.99	20.96	20.67	21.68	22.52
	4H	16.50	17.40	17.20	18.12	18.99	21.58	22.48	22.29	23.21	24.07
	6H	16.84	17.64	17.56	18.39	19.26	23.28	24.07	24.00	24.83	25.70
	8H	16.91	17.66	17.64	18.41	19.30	24.16	24.90	24.88	25.65	26.54
	12H	16.94	17.62	17.69	18.40	19.29	25.09	25.77	25.84	26.54	27.43
8H	4H	17.54	18.29	18.27	19.04	19.93	21.76	22.51	22.49	23.26	24.14
	6H	18.15	18.79	18.91	19.58	20.47	23.64	24.28	24.40	25.07	25.96
	8H	18.35	18.93	19.12	19.72	20.62	24.67	25.25	25.44	26.04	26.94
	12H	18.47	18.99	19.24	19.77	20.72	25.81	26.32	26.58	27.10	28.06
12H	4H	17.87	18.56	18.62	19.33	20.22	21.75	22.44	22.50	23.21	24.10
	6H	18.65	19.23	19.42	20.02	20.92	23.68	24.25	24.44	25.04	25.94
	8H	18.98	19.50	19.75	20.28	21.23	24.77	25.29	25.54	26.07	27.02