

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: P893120

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893120
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-HI-4000K
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 40 CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

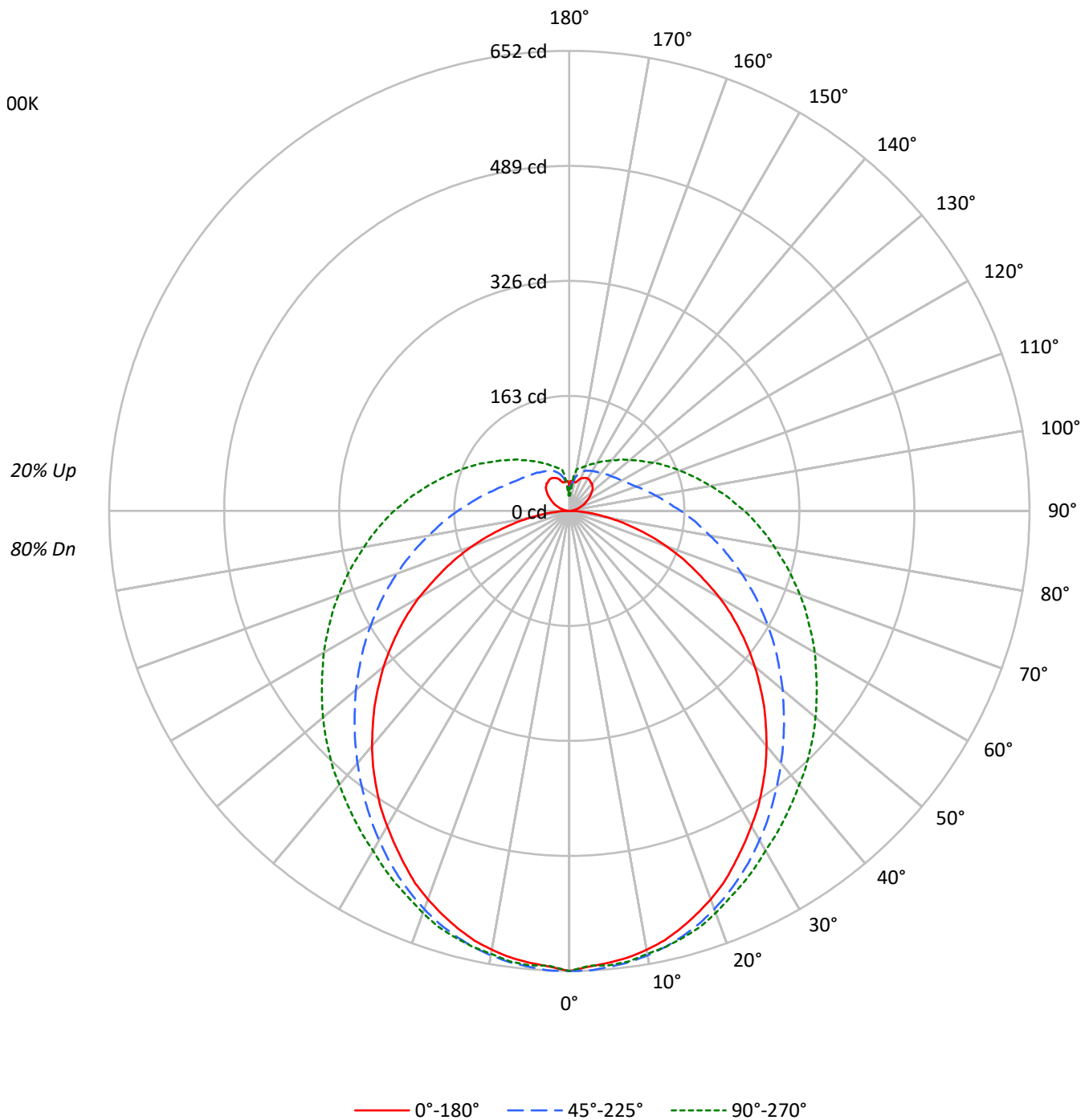
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.0 lumens
Efficiency: N/A
Efficacy: 130.5 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): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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				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°	9329	9329	9329
5°	9149	8954	8858
10°	9008	8591	8442
15°	8817	8217	8082
20°	8589	7829	7697
25°	8314	7430	7322
30°	8035	7028	6977
35°	7760	6643	6715
40°	7461	6282	6483
45°	7140	5954	6296
50°	6787	5666	6131
55°	6400	5400	5987
60°	5953	5164	5895
65°	5371	4962	5822
70°	4750	4787	5806
75°	3948	4667	5836
80°	2951	4609	5921
85°	1788	4695	6129

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7140 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	2.2
10°-20°	176.0	6.4
20°-30°	263.9	9.6
30°-40°	317.1	11.6
40°-50°	336.2	12.3
50°-60°	323.6	11.8
60°-70°	285.8	10.4
70°-80°	233.9	8.5
80°-90°	181.6	6.6
90°-100°	140.7	5.1
100°-110°	111.6	4.1
110°-120°	89.2	3.3
120°-130°	71.4	2.6
130°-140°	56.3	2.1
140°-150°	42.5	1.6
150°-160°	29.0	1.1
160°-170°	15.5	0.6
170°-180°	4.0	0.1
0°-30°	501.6	18.3
0°-40°	818.7	29.9
0°-60°	1478.5	54.0
0°-90°	2179.8	79.6
90°-120°	341.5	12.5
90°-150°	511.7	18.7
90°-180°	560.0	20.4
0°-180°	2740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	643	650	649	651	646	61
15°	612	622	624	629	626	173
25°	553	566	572	582	582	255
35°	477	491	503	525	532	298
45°	390	405	430	468	482	301
55°	295	312	359	408	428	264
65°	194	223	292	351	374	193
75°	100	146	230	296	322	106
85°	24	89	180	246	271	26
90°	1	71	158	222	248	2
95°	3	58	140	200	225	3
105°	13	47	111	164	184	13
115°	24	45	93	134	151	23
125°	36	47	81	111	124	32
135°	47	50	73	94	103	36
145°	52	53	68	80	86	32
155°	52	56	63	70	73	24
165°	44	49	55	62	63	13
175°	42	40	38	34	32	4
180°	33	33	33	33	33	



TEST NUMBER: P893120
 CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC83-HI-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1
2.5°	646.4	649.9	651.0	649.9	649.9	652.1	652.1	656.7	657.9	651.0	652.1
5°	643.0	646.4	648.7	647.6	647.6	649.9	648.7	653.3	654.4	648.7	648.7
7.5°	638.4	641.9	644.1	643.0	643.0	645.3	644.1	648.7	649.9	645.3	645.3
10°	631.6	636.1	638.4	636.1	637.3	639.6	638.4	643.0	644.1	639.6	639.6
12.5°	623.5	628.1	630.4	629.3	630.4	631.6	630.4	636.1	637.3	632.7	632.7
15°	612.1	617.8	619.0	617.8	619.0	622.4	620.1	624.7	628.1	623.5	623.5
17.5°	599.5	605.2	607.5	606.4	608.7	611.0	608.7	614.4	616.7	612.1	613.2
20°	585.8	591.5	593.8	592.7	594.9	597.2	594.9	600.7	603.0	599.5	600.7
22.5°	570.9	576.6	578.9	577.8	580.1	582.4	580.1	585.8	589.2	585.8	586.9
25°	552.6	559.5	561.8	560.6	562.9	566.3	562.9	569.8	573.2	570.9	572.1
27.5°	534.3	540.0	544.6	542.3	545.7	549.2	546.9	551.5	556.0	554.9	556.0
30°	516.0	521.7	526.3	524.0	527.4	530.9	527.4	533.2	537.7	537.7	538.9
32.5°	497.7	502.3	505.7	504.6	506.8	511.4	509.1	514.9	519.4	519.4	521.7
35°	477.1	481.7	485.1	484.0	487.4	490.8	488.5	494.3	500.0	501.1	503.4
37.5°	456.5	461.1	464.5	463.4	465.7	470.2	467.9	474.8	479.4	481.7	485.1
40°	434.8	439.3	442.8	441.6	445.1	448.5	447.4	453.1	458.8	462.2	466.8
42.5°	411.9	416.5	419.9	419.9	423.3	427.9	425.6	432.5	438.2	442.8	448.5
45°	390.1	393.6	397.0	397.0	401.6	405.0	403.9	410.7	417.6	423.3	430.2
47.5°	366.1	370.7	373.0	374.1	378.7	382.1	382.1	389.0	397.0	405.0	411.9
50°	343.2	346.7	350.1	350.1	355.8	359.3	359.3	367.3	377.6	386.7	394.7
52.5°	319.2	322.6	326.1	327.2	331.8	336.4	336.4	345.5	357.0	367.3	376.4
55°	295.2	298.6	300.9	303.2	308.9	312.3	314.6	324.9	337.5	347.8	359.3
57.5°	271.2	273.4	276.9	279.2	286.0	290.6	294.0	305.5	318.1	330.7	342.1
60°	246.0	249.4	251.7	255.1	262.0	268.9	272.3	284.9	298.6	312.3	324.9
62.5°	218.5	222.0	225.4	230.0	240.3	246.0	251.7	265.4	279.2	294.0	307.8
65°	194.5	196.8	200.2	204.8	216.2	223.1	230.0	244.8	260.9	276.9	291.8
67.5°	170.5	172.8	177.3	183.1	195.6	202.5	209.4	225.4	243.7	260.9	275.7
70°	146.4	147.6	153.3	161.3	175.1	181.9	189.9	205.9	224.2	243.7	259.7
72.5°	122.4	124.7	130.4	139.6	155.6	163.6	171.6	189.9	208.2	226.5	244.8
75°	99.5	100.7	108.7	120.1	137.3	146.4	155.6	173.9	193.4	212.8	230.0
77.5°	77.8	78.9	89.2	101.8	120.1	130.4	139.6	157.9	178.5	197.9	216.2
80°	57.2	59.5	69.8	85.8	104.1	114.4	125.9	145.3	164.8	185.3	202.5
82.5°	38.9	42.3	53.8	70.9	90.4	101.8	112.1	131.6	152.2	172.8	189.9
85°	24.0	27.5	41.2	58.4	78.9	89.2	99.5	120.1	140.7	160.2	179.6
87.5°	10.3	17.2	30.9	48.1	68.6	78.9	90.4	109.8	129.3	149.9	168.2
90°	1.1	10.3	24.0	41.2	60.6	70.9	81.2	100.7	120.1	139.6	157.9
92.5°	1.1	6.9	19.5	35.5	53.8	64.1	73.2	92.7	111.0	130.4	147.6
95°	3.4	6.9	17.2	32.0	49.2	58.4	67.5	85.8	104.1	122.4	139.6
97.5°	4.6	8.0	17.2	29.7	44.6	53.8	62.9	80.1	97.3	114.4	131.6
100°	6.9	9.2	17.2	28.6	42.3	50.3	58.4	74.4	91.5	108.7	124.7
102.5°	9.2	11.4	18.3	28.6	41.2	48.1	56.1	70.9	85.8	101.8	117.8
105°	12.6	13.7	19.5	28.6	40.0	46.9	53.8	67.5	81.2	97.3	111.0
107.5°	14.9	16.0	20.6	29.7	40.0	45.8	52.6	64.1	77.8	91.5	106.4
110°	17.2	17.2	22.9	30.9	40.0	44.6	51.5	62.9	75.5	88.1	100.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	20.6	20.6	24.0	32.0	40.0	44.6	50.3	60.6	72.1	84.7	96.1
115°	24.0	22.9	26.3	33.2	41.2	44.6	50.3	59.5	69.8	81.2	92.7
117.5°	26.3	25.2	28.6	34.3	41.2	45.8	50.3	59.5	68.6	78.9	89.2
120°	29.7	27.5	29.7	35.5	42.3	45.8	50.3	58.4	67.5	76.7	85.8
122.5°	32.0	30.9	32.0	37.8	43.5	45.8	50.3	57.2	66.4	74.4	83.5
125°	35.5	33.2	34.3	38.9	44.6	46.9	51.5	57.2	65.2	73.2	81.2
127.5°	38.9	35.5	35.5	40.0	44.6	48.1	51.5	57.2	64.1	70.9	78.9
130°	41.2	38.9	37.8	42.3	45.8	48.1	51.5	57.2	62.9	69.8	76.7
132.5°	44.6	41.2	40.0	43.5	46.9	49.2	52.6	57.2	62.9	68.6	75.5
135°	46.9	43.5	42.3	44.6	48.1	50.3	52.6	57.2	62.9	67.5	73.2
137.5°	48.1	45.8	44.6	45.8	49.2	51.5	53.8	57.2	61.8	66.4	72.1
140°	50.3	48.1	46.9	48.1	50.3	51.5	53.8	57.2	61.8	65.2	70.9
142.5°	50.3	50.3	48.1	49.2	50.3	52.6	54.9	57.2	60.6	65.2	68.6
145°	51.5	51.5	50.3	51.5	51.5	52.6	54.9	57.2	60.6	64.1	67.5
147.5°	52.6	52.6	52.6	52.6	52.6	53.8	54.9	57.2	60.6	62.9	66.4
150°	52.6	52.6	53.8	53.8	54.9	54.9	56.1	57.2	60.6	62.9	65.2
152.5°	52.6	51.5	53.8	54.9	56.1	56.1	56.1	57.2	59.5	61.8	64.1
155°	51.5	50.3	52.6	53.8	54.9	56.1	57.2	57.2	59.5	60.6	62.9
157.5°	50.3	49.2	51.5	52.6	53.8	54.9	56.1	56.1	57.2	59.5	61.8
160°	49.2	48.1	49.2	51.5	52.6	53.8	54.9	54.9	56.1	57.2	59.5
162.5°	46.9	45.8	46.9	49.2	50.3	51.5	52.6	53.8	54.9	56.1	57.2
165°	43.5	43.5	43.5	45.8	48.1	49.2	50.3	51.5	52.6	53.8	54.9
167.5°	41.2	40.0	41.2	42.3	44.6	45.8	46.9	48.1	49.2	50.3	51.5
170°	41.2	40.0	40.0	41.2	42.3	42.3	43.5	44.6	45.8	46.9	48.1
172.5°	42.3	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	42.3	42.3
175°	42.3	42.3	41.2	41.2	40.0	40.0	40.0	40.0	38.9	37.8	37.8
177.5°	42.3	42.3	42.3	41.2	41.2	40.0	40.0	40.0	38.9	37.8	35.5
180°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1
2.5°	651.0	651.0	646.4	651.0	652.1	649.9	648.7	651.0	647.6	645.3
5°	648.7	648.7	645.3	649.9	651.0	648.7	648.7	651.0	647.6	646.4
7.5°	644.1	645.3	643.0	647.6	648.7	646.4	646.4	648.7	646.4	644.1
10°	639.6	639.6	638.4	641.9	641.9	640.7	639.6	641.9	640.7	637.3
12.5°	632.7	633.8	631.6	636.1	637.3	635.0	635.0	637.3	635.0	632.7
15°	624.7	624.7	624.7	628.1	629.3	628.1	628.1	630.4	628.1	625.8
17.5°	614.4	615.5	615.5	620.1	621.3	619.0	619.0	622.4	621.3	617.8
20°	601.8	603.0	604.1	607.5	608.7	607.5	607.5	609.8	609.8	606.4
22.5°	589.2	589.2	591.5	594.9	596.1	594.9	594.9	598.4	598.4	593.8
25°	574.3	574.3	577.8	582.4	582.4	581.2	582.4	584.6	585.8	582.4
27.5°	559.5	560.6	564.1	568.6	568.6	568.6	568.6	572.1	572.1	569.8
30°	542.3	544.6	548.0	552.6	553.8	553.8	554.9	557.2	559.5	556.0
32.5°	525.2	527.4	532.0	537.7	538.9	540.0	541.2	545.7	548.0	544.6
35°	508.0	510.3	517.1	524.0	525.2	526.3	528.6	533.2	535.4	532.0
37.5°	490.8	494.3	503.4	509.1	511.4	512.6	516.0	519.4	524.0	519.4
40°	474.8	478.2	488.5	495.4	496.5	498.8	502.3	506.8	510.3	506.8
42.5°	457.6	462.2	472.5	480.5	482.8	485.1	488.5	493.1	497.7	495.4
45°	440.5	446.2	457.6	465.7	467.9	471.4	476.0	480.5	485.1	481.7
47.5°	423.3	430.2	442.8	450.8	453.1	457.6	462.2	466.8	471.4	469.1
50°	406.2	413.0	426.8	435.9	439.3	443.9	447.4	453.1	457.6	455.4
52.5°	390.1	397.0	411.9	421.0	424.5	429.0	433.6	439.3	443.9	441.6
55°	371.8	379.8	395.9	405.0	408.5	414.2	419.9	424.5	430.2	427.9
57.5°	355.8	365.0	381.0	391.3	394.7	400.4	406.2	411.9	417.6	414.2
60°	339.8	349.0	366.1	376.4	379.8	386.7	392.4	397.0	403.9	401.6
62.5°	323.8	334.1	350.1	361.5	366.1	371.8	377.6	383.3	389.0	387.9
65°	306.6	318.1	335.2	346.7	351.2	358.1	363.8	369.6	375.3	374.1
67.5°	292.9	304.3	321.5	332.9	337.5	344.4	351.2	357.0	362.7	361.5
70°	276.9	289.5	306.6	318.1	322.6	329.5	336.4	342.1	347.8	347.8
72.5°	263.1	275.7	292.9	304.3	310.1	316.9	323.8	329.5	335.2	334.1
75°	249.4	262.0	279.2	290.6	296.3	304.3	311.2	316.9	322.6	321.5
77.5°	234.5	248.3	265.4	276.9	282.6	290.6	297.5	303.2	308.9	307.8
80°	220.8	235.7	252.9	264.3	270.0	276.9	284.9	290.6	296.3	295.2
82.5°	208.2	223.1	241.4	252.9	258.6	265.4	273.4	279.2	283.7	283.7
85°	196.8	210.5	227.7	240.3	246.0	252.9	260.9	266.6	272.3	271.2
87.5°	185.3	199.1	215.1	227.7	233.4	240.3	249.4	255.1	259.7	259.7
90°	175.1	188.8	204.8	216.2	222.0	228.8	236.8	243.7	248.3	248.3
92.5°	165.9	178.5	194.5	204.8	210.5	217.4	226.5	231.1	235.7	235.7
95°	156.7	169.3	184.2	194.5	200.2	207.1	215.1	220.8	224.2	225.4
97.5°	147.6	160.2	175.1	184.2	189.9	196.8	204.8	209.4	212.8	214.0
100°	139.6	152.2	165.9	175.1	180.8	187.6	194.5	199.1	202.5	203.7
102.5°	132.7	144.2	157.9	167.0	171.6	177.3	185.3	189.9	193.4	193.4
105°	125.9	137.3	149.9	159.0	163.6	169.3	176.2	180.8	184.2	184.2
107.5°	119.0	130.4	141.9	151.0	155.6	160.2	167.0	171.6	175.1	175.1
110°	113.3	123.6	135.0	143.0	147.6	152.2	159.0	163.6	165.9	167.0



TEST NUMBER: P893120

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	108.7	117.8	128.1	136.2	140.7	145.3	151.0	155.6	157.9	159.0
115°	104.1	112.1	122.4	129.3	133.9	138.4	144.2	147.6	149.9	151.0
117.5°	99.5	107.5	116.7	123.6	127.0	131.6	137.3	140.7	143.0	144.2
120°	96.1	103.0	112.1	117.8	121.3	125.9	130.4	133.9	136.2	136.2
122.5°	91.5	99.5	106.4	112.1	115.6	119.0	124.7	127.0	129.3	129.3
125°	89.2	95.0	103.0	107.5	111.0	114.4	119.0	121.3	123.6	123.6
127.5°	85.8	91.5	98.4	103.0	105.3	108.7	113.3	115.6	116.7	117.8
130°	83.5	89.2	95.0	99.5	101.8	104.1	108.7	109.8	112.1	112.1
132.5°	81.2	85.8	91.5	95.0	97.3	99.5	103.0	105.3	106.4	107.5
135°	78.9	83.5	88.1	91.5	93.8	96.1	99.5	100.7	101.8	103.0
137.5°	76.7	81.2	84.7	88.1	89.2	91.5	95.0	96.1	97.3	97.3
140°	74.4	78.9	82.4	84.7	87.0	88.1	91.5	92.7	92.7	93.8
142.5°	73.2	76.7	78.9	81.2	83.5	84.7	87.0	88.1	89.2	89.2
145°	70.9	74.4	76.7	78.9	80.1	81.2	83.5	84.7	85.8	85.8
147.5°	69.8	72.1	74.4	76.7	77.8	78.9	81.2	81.2	82.4	82.4
150°	67.5	70.9	72.1	74.4	75.5	75.5	77.8	78.9	78.9	78.9
152.5°	66.4	68.6	69.8	70.9	72.1	73.2	74.4	75.5	75.5	75.5
155°	65.2	67.5	68.6	69.8	69.8	70.9	72.1	72.1	72.1	73.2
157.5°	64.1	65.2	66.4	67.5	67.5	68.6	69.8	69.8	69.8	69.8
160°	61.8	62.9	64.1	65.2	66.4	66.4	67.5	67.5	67.5	67.5
162.5°	58.4	60.6	61.8	62.9	64.1	64.1	65.2	65.2	65.2	65.2
165°	56.1	57.2	58.4	60.6	61.8	61.8	62.9	62.9	62.9	62.9
167.5°	53.8	53.8	54.9	56.1	58.4	59.5	60.6	61.8	61.8	61.8
170°	49.2	49.2	50.3	50.3	52.6	53.8	56.1	58.4	59.5	59.5
172.5°	43.5	43.5	44.6	43.5	44.6	44.6	45.8	48.1	50.3	51.5
175°	37.8	37.8	35.5	34.3	34.3	33.2	33.2	32.0	29.7	32.0
177.5°	33.2	32.0	29.7	27.5	27.5	26.3	26.3	24.0	21.7	21.7
180°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2



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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	14.65	15.96	15.30	16.63	17.40	18.04	19.34	18.68	20.01	20.78
	3H	15.97	17.17	16.63	17.84	18.65	20.85	22.05	21.51	22.72	23.53
	4H	16.37	17.51	17.04	18.20	19.01	22.27	23.41	22.94	24.09	24.91
	6H	16.58	17.64	17.27	18.34	19.17	23.76	24.82	24.44	25.51	26.34
	8H	16.61	17.63	17.31	18.35	19.18	24.51	25.53	25.21	26.24	27.08
	12H	16.62	17.59	17.32	18.30	19.17	25.30	26.28	26.01	26.99	27.85
4H	2H	15.78	16.91	16.45	17.60	18.42	18.37	19.51	19.05	20.20	21.01
	3H	17.38	18.36	18.07	19.08	19.92	21.43	22.40	22.12	23.13	23.96
	4H	17.94	18.84	18.65	19.57	20.43	23.02	23.92	23.73	24.65	25.51
	6H	18.28	19.08	19.00	19.83	20.70	24.72	25.52	25.44	26.27	27.14
	8H	18.36	19.11	19.08	19.85	20.74	25.60	26.35	26.32	27.10	27.98
	12H	18.38	19.07	19.13	19.84	20.73	26.53	27.21	27.28	27.98	28.88
8H	4H	18.99	19.74	19.71	20.48	21.37	23.20	23.95	23.93	24.70	25.58
	6H	19.60	20.24	20.35	21.02	21.91	25.08	25.72	25.84	26.51	27.40
	8H	19.80	20.37	20.56	21.16	22.06	26.11	26.69	26.88	27.48	28.38
	12H	19.91	20.43	20.68	21.21	22.17	27.25	27.76	28.02	28.54	29.50
12H	4H	19.32	20.00	20.07	20.77	21.66	23.20	23.88	23.95	24.65	25.54
	6H	20.09	20.67	20.86	21.46	22.36	25.12	25.70	25.88	26.48	27.39
	8H	20.42	20.94	21.19	21.72	22.68	26.21	26.73	26.98	27.51	28.47