

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: P894301

Luminaire Tested: 4MB-SC3-RND-UNV-CC83-LOW-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RND-UNV-CC83-LOW-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT, LOW I setting
Light Source: -
Ballast/Driver: -

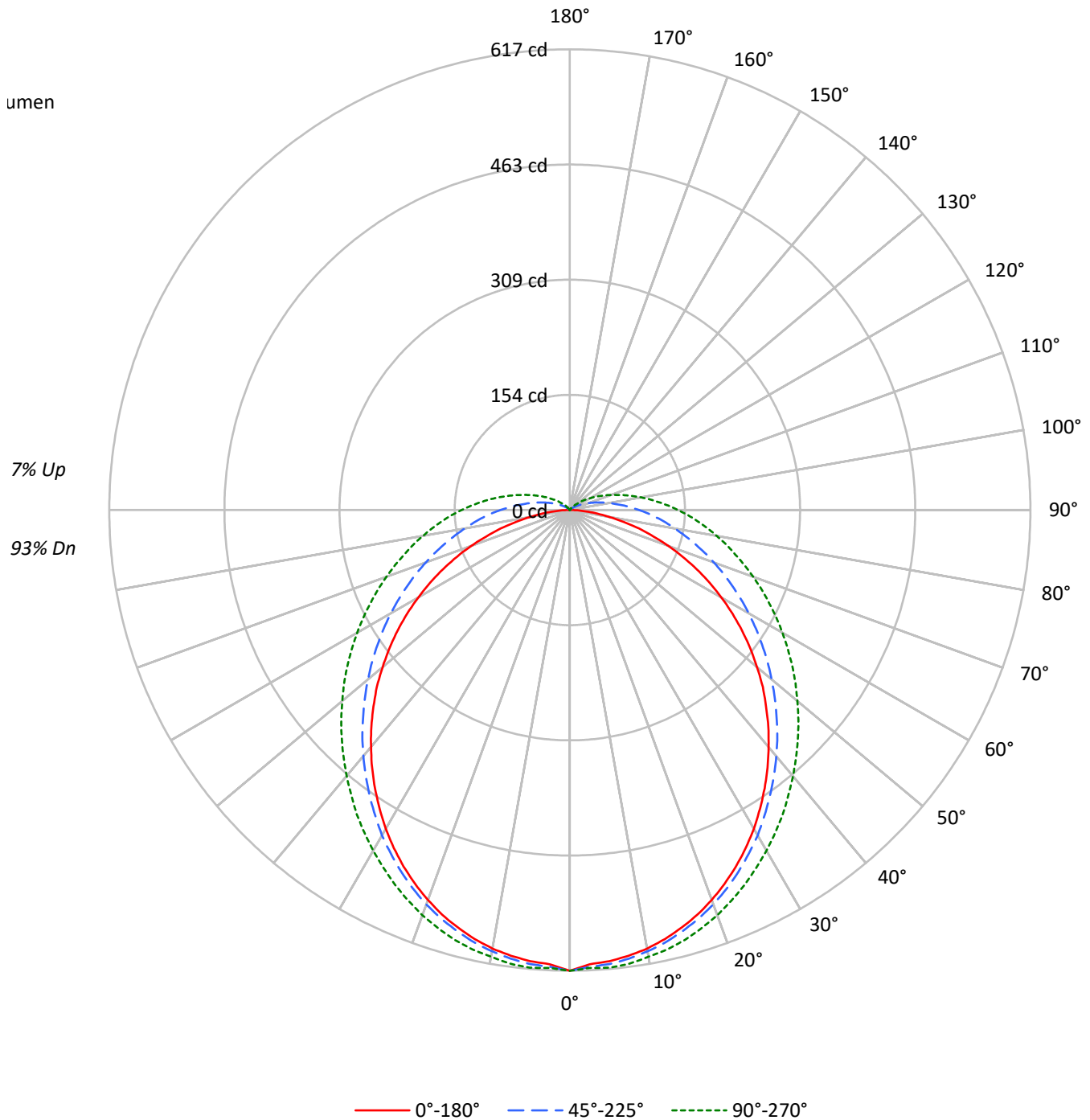
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2043.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
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

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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	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	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4391	4391	4391
5°	4332	4360	4394
10°	4309	4336	4389
15°	4265	4300	4389
20°	4208	4256	4373
25°	4136	4197	4348
30°	4050	4134	4328
35°	3951	4060	4320
40°	3848	3997	4319
45°	3741	3940	4349
50°	3624	3907	4404
55°	3492	3900	4510
60°	3340	3937	4679
65°	3155	4041	4960
70°	2923	4269	5434
75°	2642	4753	6306
80°	2237	5855	8191
85°	1812	9543	14033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 25837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	2.9
10°-20°	166.3	8.1
20°-30°	249.0	12.2
30°-40°	296.9	14.5
40°-50°	307.9	15.1
50°-60°	285.7	14.0
60°-70°	238.3	11.7
70°-80°	177.7	8.7
80°-90°	118.3	5.8
90°-100°	72.0	3.5
100°-110°	40.2	2.0
110°-120°	20.1	1.0
120°-130°	8.4	0.4
130°-140°	2.6	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°	473.7	23.2
0°-40°	770.5	37.7
0°-60°	1364.1	66.8
0°-90°	1898.4	92.9
90°-120°	132.3	6.5
90°-150°	144.0	7.1
90°-180°	145.0	7.1
0°-180°	2043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	606	620	610	614	615	58
15°	579	594	584	594	596	163
25°	527	541	535	550	554	243
35°	455	467	467	491	497	285
45°	372	382	392	422	432	287
55°	282	291	314	351	364	252
65°	187	202	240	281	295	185
75°	96	123	173	215	229	102
85°	22	61	117	157	172	25
90°	1	40	93	131	145	2
95°	0	25	72	107	120	0
105°	0	8	39	66	76	0
115°	0	2	18	37	44	0
125°	0	0	7	18	22	0
135°	0	0	2	6	8	0
145°	0	0	0	1	2	0
155°	1	1	0	0	0	0
165°	1	1	0	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P894301

CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1
2.5°	608.9	609.9	618.6	618.1	616.7	622.4	623.9	619.1	611.3	619.1	612.3
5°	606.5	607.5	616.2	615.7	614.2	620.5	621.0	616.7	608.9	616.7	610.4
7.5°	602.2	603.1	611.8	611.3	610.4	616.7	616.2	612.8	604.6	612.8	606.0
10°	596.4	596.9	606.0	605.1	604.6	610.9	609.4	606.5	598.3	606.5	600.2
12.5°	588.6	589.1	598.3	597.3	597.3	603.1	601.2	598.8	590.6	598.3	593.0
15°	579.0	579.5	588.2	587.7	587.7	594.0	591.1	589.1	581.4	589.6	583.8
17.5°	568.4	567.9	577.1	576.1	577.1	582.9	579.0	578.0	570.8	578.5	573.7
20°	555.8	555.8	564.0	563.5	565.0	570.3	565.5	566.0	558.7	566.9	562.1
22.5°	541.8	541.3	549.5	549.5	551.0	556.3	551.0	552.4	545.2	552.9	549.0
25°	526.8	525.9	534.1	534.1	536.5	540.8	535.0	537.0	530.2	537.9	534.6
27.5°	510.4	509.0	517.2	517.7	519.6	523.9	517.7	520.6	514.3	521.5	519.1
30°	493.0	491.6	499.8	500.3	502.7	506.1	499.8	503.7	497.9	505.1	503.2
32.5°	474.2	473.2	481.0	481.9	484.3	486.8	481.0	484.8	480.0	487.2	485.3
35°	454.9	453.9	461.2	462.6	465.0	467.0	460.7	466.0	461.6	468.4	467.4
37.5°	435.1	433.6	441.4	442.3	445.2	446.2	440.4	446.7	442.8	449.6	449.1
40°	414.3	412.9	420.6	421.6	424.5	424.5	419.6	426.4	423.5	429.8	430.3
42.5°	393.6	392.1	398.9	400.8	403.2	403.2	398.4	405.6	403.7	410.0	411.4
45°	371.8	370.4	376.7	378.6	381.5	381.5	376.7	384.9	383.4	389.7	391.6
47.5°	350.6	348.6	354.4	356.4	359.3	358.8	354.9	363.1	362.7	368.9	372.3
50°	327.4	326.0	331.7	333.7	337.1	336.1	333.2	341.9	341.9	348.2	353.0
52.5°	304.7	303.3	309.1	311.0	313.9	313.9	311.0	320.2	321.6	327.9	333.7
55°	281.5	279.6	285.4	287.3	290.7	291.2	288.8	297.9	300.8	308.1	314.4
57.5°	258.3	257.4	262.2	264.1	268.5	268.5	267.0	276.7	280.6	288.3	295.5
60°	234.7	233.7	238.1	240.5	245.3	246.3	245.3	255.5	260.8	268.5	276.7
62.5°	211.0	210.1	214.4	217.8	223.1	224.1	224.5	235.2	241.0	249.2	258.3
65°	187.4	186.4	190.7	194.6	200.9	202.3	203.8	214.9	221.6	230.3	240.0
67.5°	163.7	163.2	167.6	172.4	179.2	181.1	183.5	195.1	202.8	212.0	222.6
70°	140.5	140.0	144.4	150.2	158.4	160.8	163.7	175.3	184.9	194.6	205.2
72.5°	117.3	117.8	122.7	129.4	138.6	141.0	144.9	156.9	167.6	177.7	188.8
75°	96.1	96.1	101.4	109.1	119.3	122.7	127.0	139.6	150.7	161.3	172.9
77.5°	74.4	74.4	80.6	90.3	101.4	104.8	110.1	123.1	135.2	145.8	157.4
80°	54.6	55.5	62.8	72.4	84.0	88.4	94.6	107.7	120.7	131.3	142.9
82.5°	37.2	38.6	46.4	57.5	69.1	73.4	79.7	93.7	106.7	117.8	129.9
85°	22.2	24.6	32.8	43.9	56.0	60.8	67.6	80.6	93.7	104.8	116.9
87.5°	10.1	13.5	22.2	33.3	44.9	50.2	56.0	68.6	81.6	92.7	105.3
90°	1.0	5.8	14.5	24.1	35.3	40.1	45.9	57.9	70.5	80.6	92.7
92.5°	0.0	2.4	8.7	17.4	27.0	31.9	37.2	48.8	59.9	70.0	81.6
95°	0.0	1.0	4.8	12.1	20.3	24.6	29.5	40.1	51.2	60.8	71.5
97.5°	0.0	0.5	2.9	8.2	15.0	18.8	23.2	32.8	43.0	52.2	61.8
100°	0.0	0.5	1.4	5.3	11.1	14.0	18.3	26.6	35.7	43.9	53.6
102.5°	0.0	0.0	1.0	3.4	8.2	10.6	14.0	21.2	29.5	37.2	45.9
105°	0.0	0.0	0.5	2.4	5.8	7.7	10.6	16.9	24.1	30.9	39.1
107.5°	0.0	0.0	0.5	1.4	3.9	5.8	8.2	13.0	19.3	25.6	32.8
110°	0.5	0.5	0.5	1.0	2.9	4.3	5.8	10.1	15.9	21.2	27.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.5	0.5	0.5	0.5	1.9	2.9	4.3	7.7	12.6	16.9	22.7
115°	0.5	0.5	0.5	0.5	1.4	1.9	2.9	5.8	9.7	13.5	18.3
117.5°	0.5	0.5	0.5	0.5	1.0	1.4	1.9	4.3	7.2	10.6	15.0
120°	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.9	5.8	8.2	12.1
122.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	2.4	4.3	6.3	9.2
125°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.9	4.8	7.2
127.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9	3.4	5.3
130°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	2.4	3.9
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9	2.9
135°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.4
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
145°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1	617.1
2.5°	614.2	615.7	617.1	613.3	615.7	620.0	621.5	615.7	617.6	613.8
5°	612.3	613.3	615.2	610.4	613.8	617.6	620.0	615.2	618.1	615.2
7.5°	608.4	609.4	611.8	607.0	611.3	614.7	617.6	612.8	615.7	612.8
10°	602.7	604.1	607.5	601.7	607.0	609.9	612.8	607.5	610.4	607.5
12.5°	595.4	597.8	600.7	595.4	600.7	603.1	607.0	601.7	605.1	602.7
15°	586.7	589.1	593.0	587.7	594.4	596.4	600.2	594.9	598.3	595.9
17.5°	576.6	579.5	584.3	578.0	585.7	587.2	591.1	586.2	589.6	587.2
20°	565.0	567.9	572.7	566.9	574.6	575.6	580.0	575.6	579.0	577.5
22.5°	551.5	554.8	559.7	554.4	562.6	562.6	567.9	563.5	567.4	566.0
25°	537.5	541.3	546.6	540.8	549.5	549.5	555.3	551.0	554.8	553.9
27.5°	522.5	526.8	533.1	527.3	536.0	535.5	541.3	537.5	541.8	540.4
30°	506.6	511.4	517.7	512.8	522.0	521.0	526.8	523.5	527.3	526.8
32.5°	489.2	494.5	502.2	496.9	506.1	505.1	512.3	508.5	513.3	512.3
35°	471.8	477.6	485.3	480.5	490.6	489.2	496.4	493.0	497.9	497.4
37.5°	453.9	460.2	467.9	464.1	473.7	472.3	480.0	477.1	482.4	481.0
40°	435.6	441.8	450.1	446.7	456.8	454.9	463.1	460.7	466.0	465.0
42.5°	417.2	424.0	432.2	430.3	439.9	438.0	446.2	444.3	449.6	448.6
45°	398.4	405.6	414.3	412.4	422.5	420.6	428.8	427.4	432.7	432.2
47.5°	379.6	387.3	396.0	395.0	404.7	402.7	411.4	410.0	415.3	415.3
50°	360.2	368.9	377.6	377.1	386.8	384.9	392.6	392.6	398.4	397.9
52.5°	340.9	350.1	359.3	359.3	368.9	367.0	375.7	375.2	381.0	381.0
55°	322.6	330.8	340.0	341.9	351.1	348.2	357.3	358.3	363.1	363.6
57.5°	304.2	312.9	322.1	324.5	333.2	331.3	340.0	340.9	345.8	346.2
60°	285.9	294.1	303.3	306.6	315.3	313.4	322.1	323.1	328.4	328.8
62.5°	267.5	275.7	285.9	289.3	297.5	296.0	305.2	306.2	311.0	311.9
65°	249.7	258.3	268.0	272.8	280.6	278.6	287.8	288.8	294.1	294.6
67.5°	232.3	241.0	250.6	255.9	263.2	262.2	270.9	272.8	277.2	278.1
70°	215.4	224.1	234.2	239.5	246.8	246.3	254.5	255.9	260.8	261.2
72.5°	199.0	207.6	217.8	224.1	230.3	229.9	238.1	240.0	244.8	245.3
75°	183.0	192.2	201.8	208.6	214.9	214.4	222.6	224.5	228.9	229.4
77.5°	168.0	177.2	187.4	194.1	199.4	199.9	207.2	209.1	213.4	214.9
80°	154.0	162.7	172.4	179.6	184.5	185.4	192.2	194.6	198.0	199.9
82.5°	140.5	149.2	158.9	165.6	170.5	171.4	177.7	180.6	184.0	185.4
85°	127.5	136.2	145.4	152.6	156.9	157.4	163.7	166.6	169.5	171.9
87.5°	114.9	123.6	132.3	140.0	143.9	144.9	150.7	153.6	156.0	158.4
90°	102.4	111.1	119.8	127.0	130.9	131.3	137.6	140.5	142.9	144.9
92.5°	90.8	99.5	108.2	115.4	118.8	119.8	125.1	128.4	130.4	132.3
95°	79.7	88.4	96.1	103.8	107.2	108.7	113.5	116.4	118.8	119.8
97.5°	70.0	77.7	85.0	92.7	95.6	97.1	101.9	105.3	107.2	108.2
100°	60.8	68.1	74.8	82.1	85.0	86.4	90.8	93.7	95.6	97.1
102.5°	52.6	59.4	65.7	72.4	75.3	76.3	80.2	83.1	85.0	86.4
105°	45.4	51.7	57.5	63.7	66.2	67.6	71.0	73.4	75.3	76.3
107.5°	38.6	44.9	49.7	55.5	57.9	58.9	62.3	65.2	66.6	67.1
110°	32.8	38.1	43.0	47.8	50.7	51.7	54.6	57.0	58.4	58.9



TEST NUMBER: P894301
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-LOW-4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	27.5	32.4	36.7	41.0	43.5	44.4	47.3	49.7	50.7	51.2
115°	22.7	27.5	30.9	35.3	37.2	38.1	40.6	43.0	43.5	44.4
117.5°	18.3	22.7	26.1	29.5	31.4	32.4	34.3	36.2	37.2	37.7
120°	15.0	18.3	21.2	24.6	26.1	27.0	29.0	30.9	31.4	31.9
122.5°	12.1	15.0	17.4	20.3	21.7	22.7	24.1	25.6	26.1	26.6
125°	9.2	12.1	14.0	16.4	17.9	18.3	19.8	21.2	21.7	22.2
127.5°	7.2	9.2	11.1	13.0	14.0	14.5	15.9	16.9	17.4	17.9
130°	5.3	6.8	8.2	10.1	11.1	11.6	12.6	13.5	14.0	14.0
132.5°	3.9	5.3	6.3	7.7	8.2	8.7	9.7	10.6	10.6	11.1
135°	2.4	3.4	4.3	5.3	6.3	6.3	7.2	7.7	8.2	8.2
137.5°	1.9	2.4	2.9	3.9	4.3	4.8	4.8	5.8	5.8	5.8
140°	1.4	1.9	1.9	2.4	2.9	3.4	3.4	3.9	3.9	3.9
142.5°	1.0	1.4	1.4	1.9	1.9	2.4	2.4	2.4	2.9	2.9
145°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.9	1.9	1.9
147.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4
150°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P894301
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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	15.43	16.96	15.90	17.42	17.91	17.00	18.54	17.47	18.99	19.48
	3H	17.10	18.51	17.59	18.97	19.50	19.62	21.03	20.11	21.49	22.02
	4H	17.70	19.03	18.21	19.52	20.06	20.94	22.27	21.44	22.75	23.29
	6H	18.10	19.34	18.62	19.84	20.40	22.34	23.58	22.86	24.08	24.64
	8H	18.22	19.41	18.75	19.93	20.49	23.09	24.28	23.62	24.80	25.36
	12H	18.29	19.43	18.83	19.95	20.54	23.94	25.08	24.48	25.60	26.19
4H	2H	16.36	17.69	16.86	18.17	18.71	17.55	18.88	18.06	19.37	19.91
	3H	18.34	19.47	18.85	20.00	20.56	20.47	21.60	20.98	22.13	22.69
	4H	19.11	20.15	19.65	20.69	21.29	21.99	23.03	22.53	23.57	24.17
	6H	19.69	20.61	20.25	21.18	21.78	23.63	24.55	24.19	25.12	25.73
	8H	19.87	20.74	20.43	21.30	21.93	24.52	25.38	25.08	25.95	26.57
	12H	20.00	20.79	20.58	21.38	22.00	25.52	26.31	26.10	26.90	27.53
8H	4H	19.99	20.86	20.55	21.42	22.04	22.35	23.22	22.91	23.78	24.40
	6H	20.87	21.61	21.46	22.21	22.84	24.25	24.99	24.85	25.60	26.22
	8H	21.22	21.88	21.83	22.50	23.14	25.34	26.00	25.94	26.62	27.26
	12H	21.49	22.09	22.10	22.69	23.40	26.60	27.20	27.21	27.80	28.51
12H	4H	20.27	21.05	20.85	21.65	22.27	22.39	23.18	22.98	23.77	24.40
	6H	21.32	21.99	21.93	22.60	23.24	24.36	25.03	24.97	25.65	26.29
	8H	21.84	22.43	22.45	23.04	23.74	25.56	26.15	26.17	26.76	27.47