

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: P893332

Luminaire Tested: 4MB-2SL-RND-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893332
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-2SL-RND-UNV-L850
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

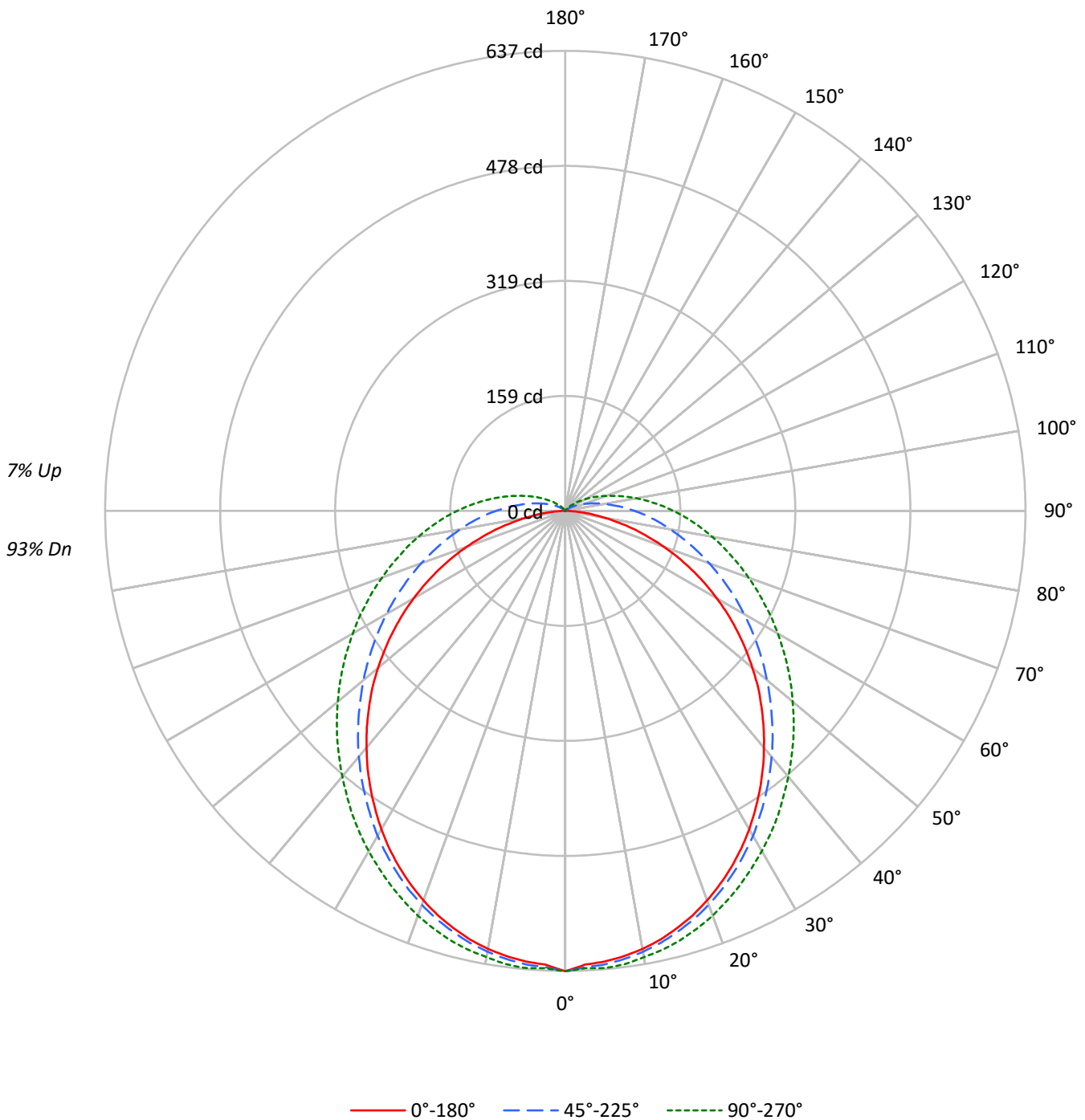
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2110.0 lumens
Efficiency: N/A
Efficacy: 152.9 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): 13.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-2SL-RND-UNV-L850

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°	4535	4535	4535
5°	4474	4502	4538
10°	4450	4479	4533
15°	4405	4442	4533
20°	4346	4395	4516
25°	4271	4334	4491
30°	4183	4270	4470
35°	4081	4194	4462
40°	3974	4128	4461
45°	3864	4070	4492
50°	3742	4036	4549
55°	3607	4028	4658
60°	3449	4067	4833
65°	3258	4174	5121
70°	3018	4410	5613
75°	2727	4907	6512
80°	2311	6048	8461
85°	1869	9853	14490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 26686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	2.9
10°-20°	171.7	8.1
20°-30°	257.2	12.2
30°-40°	306.6	14.5
40°-50°	318.0	15.1
50°-60°	295.0	14.0
60°-70°	246.1	11.7
70°-80°	183.5	8.7
80°-90°	122.2	5.8
90°-100°	74.4	3.5
100°-110°	41.5	2.0
110°-120°	20.8	1.0
120°-130°	8.7	0.4
130°-140°	2.7	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°	489.2	23.2
0°-40°	795.8	37.7
0°-60°	1408.9	66.8
0°-90°	1960.7	92.9
90°-120°	136.7	6.5
90°-150°	148.8	7.1
90°-180°	149.0	7.1
0°-180°	2110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	626	641	630	634	635	59
15°	598	613	603	614	615	169
25°	544	559	552	568	572	251
35°	470	482	483	507	514	294
45°	384	394	404	436	446	296
55°	291	301	325	363	376	260
65°	194	209	248	290	304	192
75°	99	127	178	222	237	105
85°	23	63	121	162	178	26
90°	1	41	96	135	150	2
95°	0	25	74	111	124	0
105°	0	8	40	68	79	0
115°	0	2	19	38	46	0
125°	0	0	8	18	23	0
135°	0	0	2	6	8	0
145°	0	0	0	2	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: P893332

CATALOG NUMBER: 4MB-2SL-RND-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4
2.5°	628.9	629.9	638.9	638.4	636.9	642.9	644.4	639.4	631.4	639.4	632.4
5°	626.4	627.4	636.4	635.9	634.4	640.9	641.4	636.9	628.9	636.9	630.4
7.5°	621.9	622.9	631.9	631.4	630.4	636.9	636.4	632.9	624.4	632.9	625.9
10°	615.9	616.4	625.9	624.9	624.4	630.9	629.4	626.4	617.9	626.4	619.9
12.5°	608.0	608.4	617.9	616.9	616.9	622.9	620.9	618.4	609.9	617.9	612.4
15°	598.0	598.5	607.5	607.0	607.0	613.4	610.4	608.4	600.5	608.9	603.0
17.5°	587.0	586.5	596.0	595.0	596.0	602.0	598.0	597.0	589.5	597.5	592.5
20°	574.0	574.0	582.5	582.0	583.5	589.0	584.0	584.5	577.0	585.5	580.5
22.5°	559.6	559.1	567.6	567.6	569.0	574.5	569.0	570.5	563.1	571.0	567.1
25°	544.1	543.1	551.6	551.6	554.1	558.6	552.6	554.6	547.6	555.6	552.1
27.5°	527.2	525.7	534.1	534.6	536.6	541.1	534.6	537.6	531.1	538.6	536.1
30°	509.2	507.7	516.2	516.7	519.2	522.7	516.2	520.2	514.2	521.7	519.7
32.5°	489.8	488.8	496.7	497.7	500.2	502.7	496.7	500.7	495.7	503.2	501.2
35°	469.8	468.8	476.3	477.8	480.3	482.3	475.8	481.3	476.8	483.8	482.8
37.5°	449.4	447.9	455.8	456.8	459.8	460.8	454.8	461.3	457.3	464.3	463.8
40°	427.9	426.4	434.4	435.4	438.4	438.4	433.4	440.4	437.4	443.9	444.4
42.5°	406.5	405.0	412.0	413.9	416.4	416.4	411.5	418.9	416.9	423.4	424.9
45°	384.0	382.5	389.0	391.0	394.0	394.0	389.0	397.5	396.0	402.5	404.5
47.5°	362.1	360.1	366.1	368.1	371.1	370.6	366.6	375.0	374.5	381.0	384.5
50°	338.1	336.6	342.6	344.6	348.1	347.1	344.1	353.1	353.1	359.6	364.6
52.5°	314.7	313.2	319.2	321.2	324.2	324.2	321.2	330.7	332.2	338.6	344.6
55°	290.8	288.8	294.7	296.7	300.2	300.7	298.2	307.7	310.7	318.2	324.7
57.5°	266.8	265.8	270.8	272.8	277.3	277.3	275.8	285.8	289.8	297.7	305.2
60°	242.4	241.4	245.9	248.4	253.4	254.4	253.4	263.8	269.3	277.3	285.8
62.5°	217.9	216.9	221.4	224.9	230.4	231.4	231.9	242.9	248.9	257.3	266.8
65°	193.5	192.5	197.0	201.0	207.5	209.0	210.5	221.9	228.9	237.9	247.9
67.5°	169.1	168.6	173.1	178.0	185.0	187.0	189.5	201.5	209.5	218.9	229.9
70°	145.1	144.6	149.1	155.1	163.6	166.1	169.1	181.0	191.0	201.0	212.0
72.5°	121.2	121.7	126.7	133.7	143.1	145.6	149.6	162.1	173.1	183.5	195.0
75°	99.2	99.2	104.7	112.7	123.2	126.7	131.2	144.1	155.6	166.6	178.5
77.5°	76.8	76.8	83.3	93.3	104.7	108.2	113.7	127.2	139.6	150.6	162.6
80°	56.4	57.4	64.8	74.8	86.8	91.3	97.8	111.2	124.7	135.7	147.6
82.5°	38.4	39.9	47.9	59.3	71.3	75.8	82.3	96.8	110.2	121.7	134.2
85°	22.9	25.4	33.9	45.4	57.9	62.8	69.8	83.3	96.8	108.2	120.7
87.5°	10.5	14.0	22.9	34.4	46.4	51.9	57.9	70.8	84.3	95.8	108.7
90°	1.0	6.0	15.0	24.9	36.4	41.4	47.4	59.8	72.8	83.3	95.8
92.5°	0.0	2.5	9.0	18.0	27.9	32.9	38.4	50.4	61.8	72.3	84.3
95°	0.0	1.0	5.0	12.5	20.9	25.4	30.4	41.4	52.9	62.8	73.8
97.5°	0.0	0.5	3.0	8.5	15.5	19.5	23.9	33.9	44.4	53.9	63.8
100°	0.0	0.5	1.5	5.5	11.5	14.5	19.0	27.4	36.9	45.4	55.4
102.5°	0.0	0.0	1.0	3.5	8.5	11.0	14.5	21.9	30.4	38.4	47.4
105°	0.0	0.0	0.5	2.5	6.0	8.0	11.0	17.5	24.9	31.9	40.4
107.5°	0.0	0.0	0.5	1.5	4.0	6.0	8.5	13.5	19.9	26.4	33.9
110°	0.5	0.5	0.5	1.0	3.0	4.5	6.0	10.5	16.5	21.9	28.4



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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	2.0	3.0	4.5	8.0	13.0	17.5	23.4
115°	0.5	0.5	0.5	0.5	1.5	2.0	3.0	6.0	10.0	14.0	19.0
117.5°	0.5	0.5	0.5	0.5	1.0	1.5	2.0	4.5	7.5	11.0	15.5
120°	0.5	0.5	0.5	0.5	0.5	1.0	1.5	3.0	6.0	8.5	12.5
122.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	2.5	4.5	6.5	9.5
125°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	3.0	5.0	7.5
127.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3.5	5.5
130°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.5	4.0
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3.0
135°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5
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°	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4	637.4
2.5°	634.4	635.9	637.4	633.4	635.9	640.4	641.9	635.9	637.9	633.9
5°	632.4	633.4	635.4	630.4	633.9	637.9	640.4	635.4	638.4	635.4
7.5°	628.4	629.4	631.9	626.9	631.4	634.9	637.9	632.9	635.9	632.9
10°	622.4	623.9	627.4	621.4	626.9	629.9	632.9	627.4	630.4	627.4
12.5°	614.9	617.4	620.4	614.9	620.4	622.9	626.9	621.4	624.9	622.4
15°	606.0	608.4	612.4	607.0	613.9	615.9	619.9	614.4	617.9	615.4
17.5°	595.5	598.5	603.5	597.0	605.0	606.5	610.4	605.5	608.9	606.5
20°	583.5	586.5	591.5	585.5	593.5	594.5	599.0	594.5	598.0	596.5
22.5°	569.5	573.0	578.0	572.5	581.0	581.0	586.5	582.0	586.0	584.5
25°	555.1	559.1	564.6	558.6	567.6	567.6	573.5	569.0	573.0	572.0
27.5°	539.6	544.1	550.6	544.6	553.6	553.1	559.1	555.1	559.6	558.1
30°	523.2	528.2	534.6	529.7	539.1	538.1	544.1	540.6	544.6	544.1
32.5°	505.2	510.7	518.7	513.2	522.7	521.7	529.2	525.2	530.1	529.2
35°	487.3	493.2	501.2	496.2	506.7	505.2	512.7	509.2	514.2	513.7
37.5°	468.8	475.3	483.3	479.3	489.3	487.8	495.7	492.7	498.2	496.7
40°	449.9	456.3	464.8	461.3	471.8	469.8	478.3	475.8	481.3	480.3
42.5°	430.9	437.9	446.4	444.4	454.3	452.3	460.8	458.8	464.3	463.3
45°	411.5	418.9	427.9	425.9	436.4	434.4	442.9	441.4	446.9	446.4
47.5°	392.0	400.0	409.0	408.0	417.9	415.9	424.9	423.4	428.9	428.9
50°	372.1	381.0	390.0	389.5	399.5	397.5	405.5	405.5	411.5	411.0
52.5°	352.1	361.6	371.1	371.1	381.0	379.0	388.0	387.5	393.5	393.5
55°	333.2	341.6	351.1	353.1	362.6	359.6	369.1	370.1	375.0	375.5
57.5°	314.2	323.2	332.7	335.1	344.1	342.1	351.1	352.1	357.1	357.6
60°	295.2	303.7	313.2	316.7	325.7	323.7	332.7	333.6	339.1	339.6
62.5°	276.3	284.8	295.2	298.7	307.2	305.7	315.2	316.2	321.2	322.2
65°	257.8	266.8	276.8	281.8	289.8	287.8	297.2	298.2	303.7	304.2
67.5°	239.9	248.9	258.8	264.3	271.8	270.8	279.8	281.8	286.3	287.3
70°	222.4	231.4	241.9	247.4	254.9	254.4	262.8	264.3	269.3	269.8
72.5°	205.5	214.5	224.9	231.4	237.9	237.4	245.9	247.9	252.9	253.4
75°	189.0	198.5	208.5	215.5	221.9	221.4	229.9	231.9	236.4	236.9
77.5°	173.6	183.0	193.5	200.5	206.0	206.5	214.0	215.9	220.4	221.9
80°	159.1	168.1	178.0	185.5	190.5	191.5	198.5	201.0	204.5	206.5
82.5°	145.1	154.1	164.1	171.1	176.1	177.0	183.5	186.5	190.0	191.5
85°	131.7	140.6	150.1	157.6	162.1	162.6	169.1	172.1	175.1	177.5
87.5°	118.7	127.7	136.7	144.6	148.6	149.6	155.6	158.6	161.1	163.6
90°	105.7	114.7	123.7	131.2	135.2	135.7	142.1	145.1	147.6	149.6
92.5°	93.8	102.7	111.7	119.2	122.7	123.7	129.2	132.7	134.7	136.7
95°	82.3	91.3	99.2	107.2	110.7	112.2	117.2	120.2	122.7	123.7
97.5°	72.3	80.3	87.8	95.8	98.7	100.2	105.2	108.7	110.7	111.7
100°	62.8	70.3	77.3	84.8	87.8	89.3	93.8	96.8	98.7	100.2
102.5°	54.4	61.3	67.8	74.8	77.8	78.8	82.8	85.8	87.8	89.3
105°	46.9	53.4	59.3	65.8	68.3	69.8	73.3	75.8	77.8	78.8
107.5°	39.9	46.4	51.4	57.4	59.8	60.8	64.3	67.3	68.8	69.3
110°	33.9	39.4	44.4	49.4	52.4	53.4	56.4	58.9	60.3	60.8



TEST NUMBER: P893332
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	28.4	33.4	37.9	42.4	44.9	45.9	48.9	51.4	52.4	52.9
115°	23.4	28.4	31.9	36.4	38.4	39.4	41.9	44.4	44.9	45.9
117.5°	19.0	23.4	26.9	30.4	32.4	33.4	35.4	37.4	38.4	38.9
120°	15.5	19.0	21.9	25.4	26.9	27.9	29.9	31.9	32.4	32.9
122.5°	12.5	15.5	18.0	20.9	22.4	23.4	24.9	26.4	26.9	27.4
125°	9.5	12.5	14.5	17.0	18.5	19.0	20.4	21.9	22.4	22.9
127.5°	7.5	9.5	11.5	13.5	14.5	15.0	16.5	17.5	18.0	18.5
130°	5.5	7.0	8.5	10.5	11.5	12.0	13.0	14.0	14.5	14.5
132.5°	4.0	5.5	6.5	8.0	8.5	9.0	10.0	11.0	11.0	11.5
135°	2.5	3.5	4.5	5.5	6.5	6.5	7.5	8.0	8.5	8.5
137.5°	2.0	2.5	3.0	4.0	4.5	5.0	5.0	6.0	6.0	6.0
140°	1.5	2.0	2.0	2.5	3.0	3.5	3.5	4.0	4.0	4.0
142.5°	1.0	1.5	1.5	2.0	2.0	2.5	2.5	2.5	3.0	3.0
145°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
147.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
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: P893332
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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	15.54	17.08	16.01	17.53	18.02	17.11	18.65	17.58	19.10	19.59
	3H	17.22	18.62	17.70	19.09	19.61	19.74	21.14	20.22	21.61	22.13
	4H	17.81	19.15	18.32	19.63	20.17	21.05	22.38	21.55	22.86	23.40
	6H	18.21	19.45	18.73	19.95	20.51	22.45	23.69	22.97	24.19	24.75
	8H	18.33	19.52	18.86	20.04	20.60	23.20	24.39	23.73	24.91	25.47
	12H	18.41	19.55	18.94	20.06	20.65	24.05	25.19	24.59	25.71	26.30
4H	2H	16.47	17.80	16.97	18.28	18.82	17.66	18.99	18.17	19.48	20.02
	3H	18.45	19.58	18.96	20.11	20.67	20.58	21.71	21.10	22.24	22.81
	4H	19.22	20.26	19.76	20.80	21.40	22.10	23.14	22.64	23.68	24.28
	6H	19.80	20.72	20.36	21.29	21.90	23.75	24.67	24.30	25.23	25.84
	8H	19.99	20.85	20.55	21.42	22.04	24.63	25.49	25.19	26.06	26.68
	12H	20.11	20.90	20.69	21.49	22.12	25.63	26.42	26.21	27.01	27.64
8H	4H	20.10	20.97	20.66	21.53	22.15	22.46	23.33	23.03	23.89	24.52
	6H	20.98	21.72	21.58	22.33	22.95	24.37	25.10	24.96	25.71	26.34
	8H	21.33	22.00	21.94	22.61	23.25	25.45	26.11	26.05	26.73	27.37
	12H	21.60	22.20	22.21	22.80	23.51	26.71	27.31	27.32	27.91	28.62
12H	4H	20.38	21.17	20.96	21.76	22.39	22.51	23.29	23.09	23.89	24.51
	6H	21.43	22.10	22.04	22.72	23.36	24.47	25.14	25.08	25.76	26.40
	8H	21.95	22.55	22.56	23.15	23.86	25.67	26.27	26.28	26.87	27.58