

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: P893398

Luminaire Tested: 4MB-3SL-FLT-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-3SL-FLT-UNV-L935
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

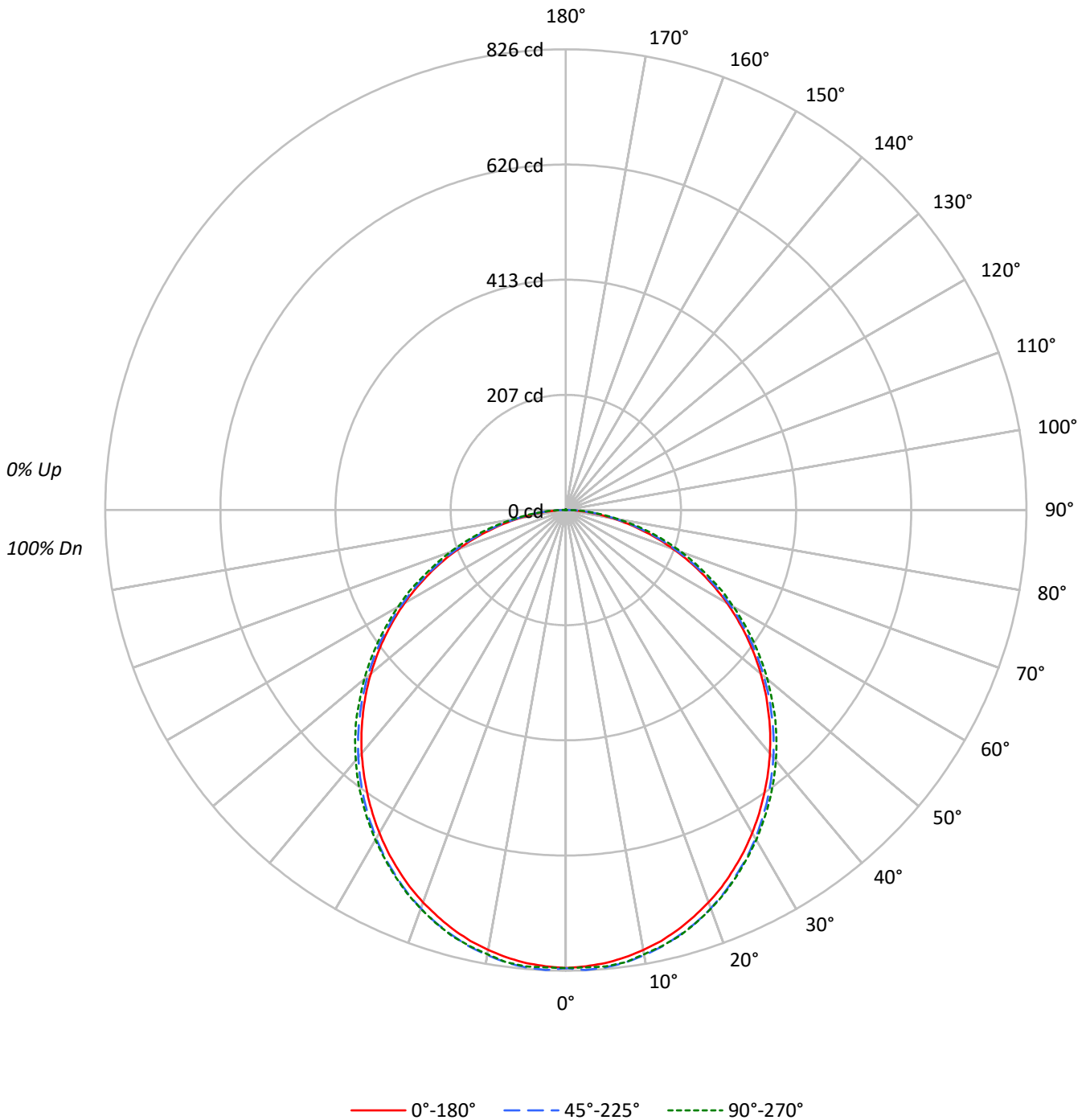
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2280.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2
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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CATALOG NUMBER: 4MB-3SL-FLT-UNV-L935

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5844	5844	5844
5°	5823	5879	5866
10°	5786	5856	5843
15°	5736	5811	5820
20°	5668	5754	5759
25°	5584	5674	5688
30°	5493	5587	5611
35°	5390	5483	5531
40°	5289	5378	5445
45°	5173	5257	5348
50°	5052	5132	5225
55°	4915	4990	5095
60°	4757	4834	4945
65°	4546	4637	4758
70°	4277	4402	4604
75°	3934	4099	4363
80°	3475	3745	3942
85°	2996	3437	3682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5348 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.4
10°-20°	221.4	9.7
20°-30°	331.7	14.5
30°-40°	394.7	17.3
40°-50°	405.0	17.8
50°-60°	362.8	15.9
60°-70°	275.7	12.1
70°-80°	160.2	7.0
80°-90°	48.1	2.1
90°-100°	1.1	0.1
100°-110°	0.2	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	630.8	27.7
0°-40°	1025.5	45.0
0°-60°	1793.4	78.7
0°-90°	2277.4	99.9
90°-120°	1.4	0.1
90°-150°	2.0	0.1
90°-180°	3.0	0.1
0°-180°	2280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	815	829	823	819	821	77
15°	779	794	789	788	790	220
25°	711	728	723	722	724	328
35°	620	636	631	633	637	388
45°	514	527	522	527	532	397
55°	396	406	402	407	411	354
65°	270	277	275	280	283	267
75°	143	148	149	154	159	152
85°	37	40	42	45	45	40
90°	1	2	2	4	4	3
95°	0	1	1	1	2	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	1	0	0	0
145°	1	1	1	1	1	0
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P893398
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3
2.5°	818.9	817.7	818.9	818.3	824.3	831.6	830.4	825.0	818.9	820.7	825.6
5°	815.3	814.7	816.5	815.3	821.3	829.2	826.8	821.9	816.5	818.3	823.1
7.5°	809.3	809.3	811.7	810.5	815.9	823.7	821.3	817.1	811.7	813.5	818.3
10°	800.9	801.5	804.5	802.7	807.5	815.9	813.5	809.3	804.5	805.7	810.5
12.5°	791.3	791.3	794.9	793.1	797.9	805.7	802.7	799.7	794.9	796.1	801.5
15°	778.7	779.3	783.5	781.7	785.9	793.7	790.7	788.3	784.1	784.7	788.9
17.5°	764.2	766.0	770.2	768.4	772.6	780.5	776.8	774.4	770.8	771.4	775.6
20°	748.6	750.4	754.6	753.4	756.4	764.2	760.6	759.4	755.8	756.4	760.0
22.5°	731.2	733.0	737.8	736.6	739.6	747.4	743.2	742.6	739.0	739.6	742.6
25°	711.3	713.7	719.1	717.9	720.3	727.5	723.9	722.7	720.3	720.3	722.7
27.5°	690.9	693.3	699.3	697.5	699.3	707.1	702.9	702.3	699.9	699.9	702.3
30°	668.6	671.0	677.6	675.8	677.6	684.3	680.0	680.6	678.2	678.2	680.0
32.5°	645.2	647.0	654.2	653.0	654.2	660.8	656.6	657.2	654.8	655.4	656.0
35°	620.5	622.3	630.1	628.9	629.5	635.5	632.5	632.5	630.7	630.1	631.3
37.5°	595.3	597.1	606.7	603.7	603.7	609.7	607.3	607.3	605.5	604.9	605.5
40°	569.4	570.6	580.8	577.8	577.2	582.6	580.8	580.8	579.6	578.4	579.0
42.5°	542.4	544.2	554.4	552.0	549.6	555.6	553.8	554.4	552.6	551.4	551.4
45°	514.1	515.9	526.1	524.9	521.3	526.7	524.9	526.1	523.7	522.5	522.5
47.5°	485.8	488.2	497.9	496.1	492.4	497.9	496.1	497.3	494.9	493.6	493.6
50°	456.4	458.8	469.0	466.0	462.4	467.8	466.6	467.2	465.4	464.2	463.6
52.5°	426.3	429.3	438.9	435.3	432.3	437.1	436.5	437.1	434.7	434.1	433.5
55°	396.2	399.2	408.3	404.1	401.7	405.9	404.7	405.9	403.5	402.9	402.3
57.5°	365.0	368.0	376.4	372.2	370.4	374.0	373.4	374.0	372.2	371.6	371.0
60°	334.3	336.7	344.5	340.3	338.5	342.1	340.9	342.7	340.3	340.3	339.7
62.5°	301.8	304.8	312.7	307.9	306.7	309.7	308.5	310.3	309.1	307.9	307.3
65°	270.0	271.8	279.0	274.8	273.0	276.6	276.0	277.2	275.4	276.0	275.4
67.5°	238.1	239.3	246.5	241.7	240.5	244.1	244.7	244.1	242.9	243.5	242.9
70°	205.6	206.8	212.9	208.6	208.0	211.0	212.3	211.6	210.4	211.0	211.6
72.5°	174.4	175.0	180.4	176.8	176.2	179.8	179.8	179.8	179.8	179.8	181.0
75°	143.1	143.7	148.5	145.5	144.9	148.5	148.5	148.5	148.5	149.7	149.1
77.5°	113.0	112.4	117.2	115.4	114.2	117.9	117.9	118.5	119.7	120.9	119.1
80°	84.8	84.2	87.8	85.4	85.4	89.0	88.4	89.0	90.2	90.8	91.4
82.5°	59.5	58.3	61.3	60.7	60.1	63.1	63.7	63.1	64.9	65.5	65.5
85°	36.7	36.7	38.5	37.3	37.3	39.7	39.7	40.3	41.5	42.1	42.1
87.5°	17.4	16.8	18.6	18.0	17.4	19.2	19.2	19.8	20.4	21.0	20.4
90°	0.6	0.6	1.2	1.2	1.2	2.4	2.4	2.4	3.0	3.0	2.4
92.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
95°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6
132.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
135°	0.0	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.6
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3
2.5°	818.3	814.1	812.3	813.5	821.9	813.5	822.5	825.6	814.7	820.7
5°	815.9	811.7	809.3	810.5	818.9	811.1	820.7	824.3	815.3	821.3
7.5°	811.1	806.3	805.1	806.9	814.1	807.5	817.1	820.7	811.7	817.7
10°	803.9	799.7	798.5	800.3	806.9	800.3	808.7	811.7	803.3	808.7
12.5°	794.9	790.7	789.5	791.9	797.9	791.9	800.3	803.3	794.9	800.3
15°	783.5	779.3	778.7	782.3	787.7	782.3	790.7	793.1	784.7	790.1
17.5°	769.6	765.4	766.0	770.2	774.4	769.6	777.5	779.9	772.0	776.2
20°	754.6	749.8	751.0	754.6	758.2	753.4	761.2	763.6	756.4	760.6
22.5°	737.2	732.4	733.6	737.8	740.2	736.0	743.2	745.6	739.6	743.8
25°	717.9	713.7	715.5	719.7	721.5	717.9	724.5	726.3	720.9	724.5
27.5°	698.7	693.9	696.3	700.5	701.7	698.1	704.7	705.9	700.5	704.1
30°	677.0	672.2	675.2	680.0	680.0	677.6	683.0	684.3	680.0	683.0
32.5°	653.0	649.4	653.0	657.2	656.6	654.8	660.2	661.4	657.8	660.2
35°	628.9	625.9	629.5	633.7	633.1	631.3	636.8	637.4	634.3	636.8
37.5°	604.3	601.9	605.5	609.1	607.9	606.7	611.5	611.5	609.7	612.1
40°	579.0	576.6	579.6	583.8	581.4	581.4	584.4	585.6	583.8	586.2
42.5°	552.6	550.2	553.8	557.4	555.0	554.4	558.0	558.6	557.4	559.2
45°	524.9	522.5	526.1	529.1	526.7	526.7	529.7	529.7	529.1	531.5
47.5°	496.7	494.9	497.9	500.9	498.5	500.3	500.3	500.3	501.5	500.9
50°	467.8	466.0	468.4	472.0	469.0	469.6	470.8	470.8	471.4	472.0
52.5°	437.7	435.3	437.7	441.9	437.7	439.5	440.1	440.7	442.5	441.3
55°	407.7	405.3	407.7	411.3	407.1	409.5	409.5	410.1	411.9	410.7
57.5°	376.4	374.0	377.6	380.0	375.8	378.2	378.2	379.4	380.6	378.8
60°	345.1	343.3	344.5	348.7	344.5	346.9	346.9	346.9	349.3	347.5
62.5°	313.3	312.1	313.3	316.9	312.7	315.1	314.5	315.1	317.5	316.9
65°	280.8	279.6	280.8	284.4	280.2	282.6	282.6	283.2	285.0	282.6
67.5°	248.9	247.1	248.9	251.9	248.3	250.1	250.1	250.1	253.1	251.9
70°	216.5	215.3	216.5	219.5	216.5	217.7	217.7	217.7	220.7	221.3
72.5°	184.6	184.6	185.8	188.2	185.8	188.2	186.4	185.2	189.4	190.0
75°	153.3	153.9	154.5	156.9	154.5	156.9	155.7	154.5	158.1	158.7
77.5°	124.5	124.5	125.1	126.9	125.1	126.9	125.7	125.7	128.1	127.5
80°	95.0	95.0	95.6	97.4	95.6	97.4	96.2	96.2	98.6	96.2
82.5°	69.1	69.1	69.1	71.0	69.7	71.0	70.3	69.1	72.2	69.7
85°	44.5	45.1	45.1	45.7	45.1	45.7	45.7	45.1	46.9	45.1
87.5°	22.8	22.8	22.8	23.4	22.8	22.8	23.4	22.8	24.1	23.4
90°	4.2	3.6	3.6	4.8	4.2	4.2	4.8	3.6	4.2	3.6
92.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4
95°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
97.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
100°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
102.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
105°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6



TEST NUMBER: P893398
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.0	0.0	0.0
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
145°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
170°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
175°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P893398
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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	17.64	19.28	18.01	19.59	19.91	17.78	19.41	18.14	19.73	20.05
	3H	19.46	20.94	19.84	21.27	21.64	19.61	21.09	19.99	21.42	21.78
	4H	20.12	21.52	20.52	21.87	22.25	20.32	21.71	20.72	22.06	22.44
	6H	20.58	21.87	20.99	22.24	22.63	20.87	22.17	21.29	22.53	22.93
	8H	20.72	21.95	21.14	22.34	22.75	21.07	22.31	21.49	22.70	23.10
	12H	20.81	22.00	21.24	22.38	22.81	21.21	22.40	21.64	22.78	23.21
4H	2H	18.27	19.67	18.67	20.02	20.40	18.38	19.78	18.78	20.13	20.51
	3H	20.32	21.49	20.73	21.89	22.29	20.45	21.62	20.86	22.02	22.42
	4H	21.11	22.17	21.54	22.58	23.02	21.29	22.36	21.73	22.77	23.21
	6H	21.68	22.61	22.14	23.05	23.51	21.99	22.92	22.44	23.36	23.81
	8H	21.87	22.74	22.34	23.19	23.65	22.23	23.10	22.69	23.55	24.01
	12H	22.02	22.80	22.50	23.28	23.75	22.43	23.21	22.91	23.68	24.16
8H	4H	21.44	22.31	21.90	22.75	23.22	21.60	22.47	22.06	22.92	23.38
	6H	22.14	22.86	22.64	23.35	23.83	22.43	23.15	22.92	23.64	24.12
	8H	22.40	23.05	22.91	23.56	24.05	22.76	23.41	23.27	23.92	24.41
	12H	22.62	23.20	23.13	23.69	24.25	23.04	23.62	23.55	24.11	24.67
12H	4H	21.48	22.26	21.96	22.74	23.21	21.64	22.42	22.12	22.89	23.37
	6H	22.21	22.86	22.72	23.37	23.86	22.49	23.14	23.00	23.64	24.13
	8H	22.54	23.11	23.04	23.60	24.17	22.88	23.46	23.39	23.95	24.51