

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: P892677

Luminaire Tested: 2MB-3SL-RND-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-3SL-RND-UNV-L830
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

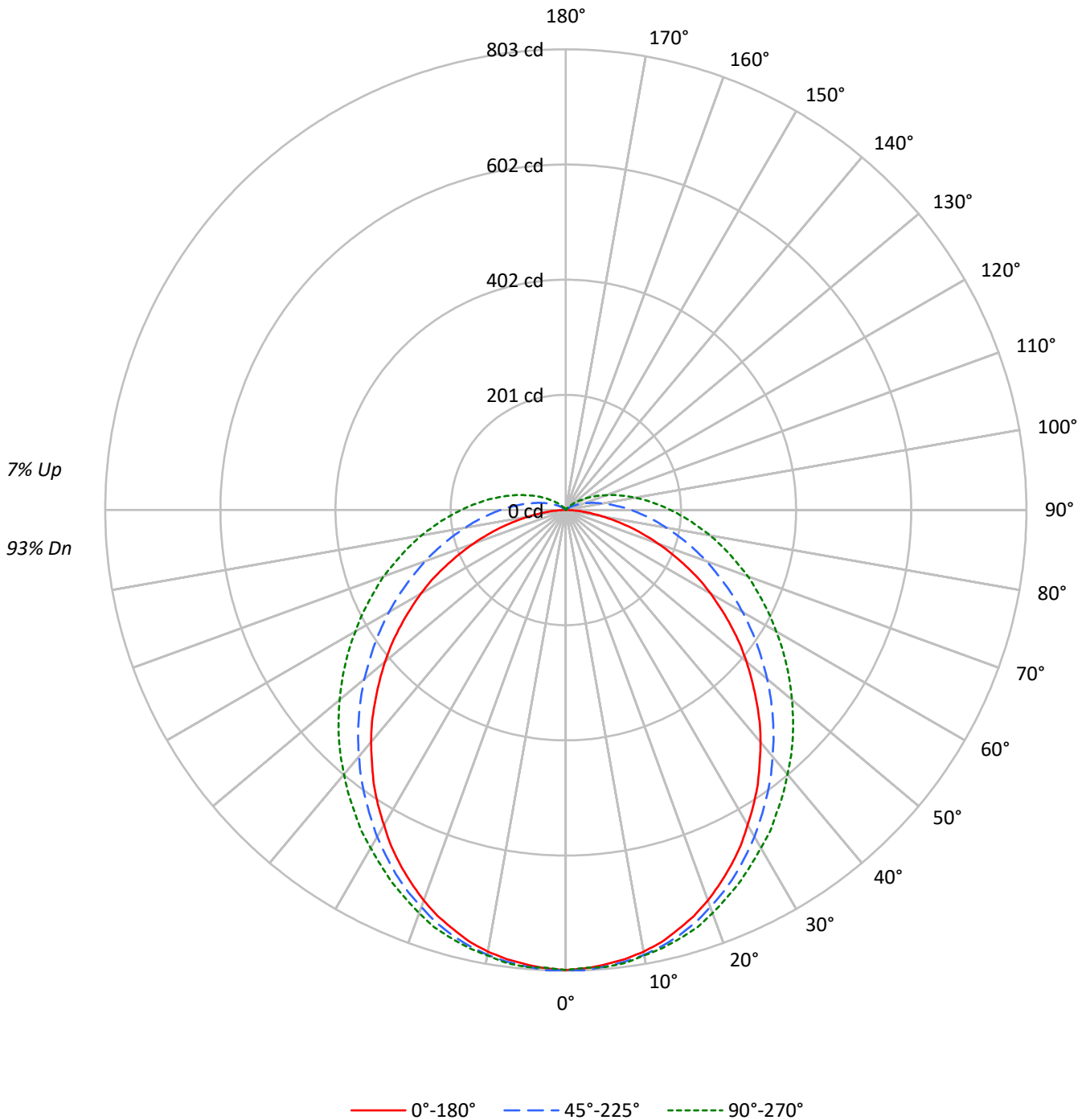
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2609.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 8
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	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63	63	63	63	61
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	39	39	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	28
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11470	11470	11470
5°	11418	11467	11482
10°	11354	11435	11451
15°	11208	11358	11442
20°	11023	11212	11384
25°	10773	11057	11306
30°	10473	10864	11236
35°	10188	10660	11210
40°	9864	10473	11231
45°	9500	10322	11323
50°	9149	10202	11455
55°	8764	10141	11712
60°	8346	10183	12114
65°	7816	10368	12846
70°	7161	10929	14133
75°	6472	12016	16311
80°	5470	14656	21057
85°	4432	23669	35683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 65363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	2.9
10°-20°	215.8	8.3
20°-30°	321.7	12.3
30°-40°	381.8	14.6
40°-50°	394.5	15.1
50°-60°	364.1	14.0
60°-70°	302.3	11.6
70°-80°	224.0	8.6
80°-90°	147.7	5.7
90°-100°	89.8	3.4
100°-110°	50.8	1.9
110°-120°	25.3	1.0
120°-130°	10.5	0.4
130°-140°	3.4	0.1
140°-150°	1.0	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	613.2	23.5
0°-40°	995.0	38.1
0°-60°	1753.6	67.2
0°-90°	2427.5	93.0
90°-120°	165.8	6.4
90°-150°	180.6	6.9
90°-180°	181.0	6.9
0°-180°	2609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	795	806	798	796	800	75
15°	757	769	767	769	773	213
25°	682	694	700	707	716	314
35°	583	596	610	630	642	364
45°	470	484	510	541	560	363
55°	351	367	407	447	470	314
65°	231	254	306	356	380	229
75°	117	153	217	271	295	124
85°	27	77	144	195	217	30
90°	0	51	114	162	182	2
95°	0	30	87	132	151	0
105°	0	10	48	82	98	0
115°	0	2	22	46	57	0
125°	0	1	9	21	28	0
135°	1	0	2	8	10	1
145°	1	1	1	2	2	1
155°	1	1	1	0	0	1
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P892677

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	799.6	797.3	798.5	798.5	801.8	810.9	807.5	807.5	807.5	798.5	803.0
5°	795.1	792.8	794.0	795.1	797.3	806.4	803.0	804.1	803.0	794.0	798.5
7.5°	789.5	787.2	787.2	788.3	791.7	800.7	797.3	798.5	797.3	788.3	794.0
10°	781.6	779.3	780.5	781.6	783.8	794.0	790.6	790.6	790.6	782.7	787.2
12.5°	771.4	769.2	770.3	771.4	774.8	782.7	779.3	780.5	780.5	773.7	778.2
15°	756.8	754.5	756.8	757.9	761.3	769.2	766.9	768.1	768.1	761.3	766.9
17.5°	742.2	738.8	741.0	742.2	746.7	753.4	751.2	753.4	753.4	746.7	753.4
20°	724.1	720.8	723.0	725.3	728.6	735.4	733.2	735.4	735.4	729.8	736.5
22.5°	703.9	700.5	702.7	705.0	709.5	715.1	714.0	716.3	716.3	711.8	719.6
25°	682.5	679.1	682.5	683.6	688.1	693.7	693.7	694.9	696.0	692.6	700.5
27.5°	659.9	655.4	658.8	661.1	665.6	671.2	671.2	673.5	673.5	672.3	679.1
30°	634.0	630.7	635.2	636.3	640.8	646.4	647.6	649.8	649.8	648.7	657.7
32.5°	609.3	605.9	609.3	611.5	617.2	621.7	622.8	625.0	626.2	626.2	634.0
35°	583.4	580.0	583.4	585.6	591.3	595.8	596.9	599.1	600.3	602.5	610.4
37.5°	555.2	553.0	556.3	558.6	564.2	568.7	569.9	573.2	574.4	577.7	586.7
40°	528.2	524.8	528.2	530.4	537.2	540.6	542.8	546.2	548.5	551.8	560.8
42.5°	500.0	497.8	500.0	504.5	509.0	513.5	515.8	519.2	522.6	528.2	536.1
45°	469.6	469.6	471.9	476.4	480.9	484.3	487.6	492.1	495.5	501.2	510.2
47.5°	440.3	440.3	442.6	446.0	451.6	455.0	458.4	464.0	467.4	474.1	484.3
50°	411.1	409.9	413.3	417.8	423.4	426.8	430.2	435.8	440.3	448.2	458.4
52.5°	381.8	379.5	382.9	388.5	393.0	397.5	400.9	406.6	412.2	422.3	431.3
55°	351.4	350.2	353.6	358.1	363.8	367.1	371.6	378.4	385.2	395.3	406.6
57.5°	321.0	321.0	324.3	328.8	335.6	339.0	343.5	351.4	358.1	369.4	380.7
60°	291.7	290.6	293.9	300.7	306.3	310.8	315.3	324.3	332.2	344.6	355.9
62.5°	262.4	261.3	265.8	270.3	278.2	282.7	287.2	297.3	306.3	319.8	331.1
65°	230.9	232.0	235.4	239.9	248.9	254.5	260.2	271.4	281.5	293.9	306.3
67.5°	200.5	200.5	205.0	210.6	221.9	227.5	233.1	245.5	255.6	270.3	282.7
70°	171.2	172.3	177.9	183.6	194.8	200.5	207.2	220.7	232.0	246.6	261.3
72.5°	143.0	145.3	149.8	158.8	170.1	175.7	183.6	197.1	208.3	224.1	238.8
75°	117.1	118.3	123.9	134.0	146.4	153.2	159.9	174.6	188.1	202.7	217.4
77.5°	90.1	92.3	99.1	110.4	125.0	131.8	138.5	154.3	167.8	182.4	197.1
80°	66.4	68.7	77.7	89.0	104.7	111.5	119.4	135.1	148.7	163.3	177.9
82.5°	45.0	48.4	57.4	69.8	85.6	93.5	101.4	117.1	131.8	146.4	161.0
85°	27.0	30.4	40.5	54.1	69.8	76.6	84.5	101.4	114.9	129.5	144.2
87.5°	11.3	16.9	27.0	40.5	55.2	61.9	71.0	86.7	100.2	113.7	128.4
90°	0.0	6.8	16.9	29.3	43.9	50.7	57.4	73.2	86.7	100.2	113.7
92.5°	0.0	2.3	10.1	20.3	33.8	39.4	46.2	60.8	73.2	86.7	100.2
95°	0.0	1.1	5.6	14.6	24.8	30.4	37.2	50.7	61.9	75.5	86.7
97.5°	0.0	0.0	3.4	10.1	19.1	23.7	29.3	41.7	52.9	64.2	76.6
100°	0.0	0.0	2.3	6.8	13.5	18.0	22.5	33.8	43.9	55.2	65.3
102.5°	0.0	0.0	1.1	4.5	10.1	13.5	16.9	27.0	36.0	46.2	56.3
105°	0.0	0.0	1.1	2.3	6.8	10.1	13.5	21.4	29.3	38.3	48.4
107.5°	0.0	0.0	0.0	2.3	5.6	7.9	10.1	16.9	23.7	31.5	40.5
110°	0.0	0.0	0.0	1.1	3.4	5.6	7.9	13.5	19.1	25.9	33.8



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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	1.1	2.3	3.4	5.6	10.1	14.6	21.4	27.0
115°	0.0	0.0	0.0	0.0	1.1	2.3	3.4	7.9	11.3	16.9	22.5
117.5°	0.0	0.0	0.0	0.0	1.1	2.3	2.3	5.6	9.0	13.5	18.0
120°	0.0	0.0	0.0	0.0	1.1	1.1	2.3	4.5	6.8	10.1	14.6
122.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3	4.5	7.9	11.3
125°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	3.4	5.6	9.0
127.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3	4.5	6.8
130°	1.1	0.0	0.0	0.0	1.1	0.0	1.1	1.1	2.3	3.4	4.5
132.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	3.4
135°	1.1	1.1	0.0	0.0	1.1	0.0	0.0	1.1	1.1	1.1	2.3
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	803.0	794.0	799.6	798.5	797.3	795.1	800.7	796.2	798.5	798.5
5°	799.6	790.6	797.3	797.3	796.2	794.0	799.6	795.1	798.5	799.6
7.5°	794.0	787.2	794.0	792.8	792.8	790.6	796.2	792.8	796.2	796.2
10°	787.2	780.5	787.2	786.1	786.1	783.8	788.3	785.0	788.3	788.3
12.5°	778.2	771.4	779.3	778.2	777.1	775.9	780.5	777.1	781.6	781.6
15°	766.9	762.4	770.3	769.2	769.2	766.9	772.6	769.2	773.7	772.6
17.5°	754.5	750.0	757.9	757.9	756.8	756.8	760.2	756.8	762.4	762.4
20°	737.7	733.2	742.2	742.2	741.0	741.0	744.4	741.0	747.8	747.8
22.5°	719.6	716.3	724.1	725.3	724.1	724.1	727.5	725.3	732.0	732.0
25°	700.5	699.4	707.2	708.4	707.2	708.4	711.8	709.5	716.3	716.3
27.5°	680.2	680.2	688.1	689.2	690.4	690.4	693.7	691.5	699.4	698.2
30°	658.8	658.8	667.8	670.1	670.1	671.2	674.6	672.3	680.2	680.2
32.5°	636.3	637.4	646.4	649.8	649.8	652.1	654.3	653.2	661.1	663.3
35°	613.8	614.9	625.0	628.4	629.5	630.7	634.0	634.0	640.8	641.9
37.5°	587.9	592.4	601.4	605.9	607.0	609.3	612.6	612.6	620.5	622.8
40°	563.1	568.7	578.9	583.4	584.5	586.7	591.3	591.3	599.1	601.4
42.5°	539.4	546.2	555.2	562.0	563.1	566.5	568.7	571.0	578.9	581.1
45°	513.5	521.4	531.6	538.3	540.6	544.0	546.2	549.6	556.3	559.7
47.5°	488.8	496.7	507.9	515.8	516.9	521.4	523.7	527.1	533.8	537.2
50°	462.9	473.0	484.3	493.3	494.4	497.8	501.2	504.5	511.3	514.7
52.5°	438.1	448.2	459.5	468.5	470.7	474.1	477.5	480.9	488.8	492.1
55°	413.3	423.4	434.7	444.8	447.1	450.5	453.9	458.4	466.2	469.6
57.5°	388.5	399.8	411.1	421.2	423.4	428.0	431.3	435.8	442.6	447.1
60°	364.9	376.1	388.5	398.7	399.8	406.6	408.8	413.3	420.1	423.4
62.5°	340.1	354.8	364.9	376.1	378.4	382.9	386.3	390.8	397.5	402.1
65°	316.5	331.1	341.2	352.5	355.9	360.4	363.8	368.3	375.0	379.5
67.5°	293.9	308.6	319.8	331.1	334.5	337.9	342.4	346.9	352.5	358.1
70°	272.5	288.3	298.4	309.7	313.1	317.6	322.1	325.5	332.2	337.9
72.5°	251.1	266.9	277.0	289.4	291.7	296.2	300.7	305.2	310.8	315.3
75°	229.7	245.5	256.8	268.0	271.4	275.9	280.4	284.9	290.6	295.1
77.5°	209.5	225.2	236.5	248.9	251.1	255.6	261.3	265.8	270.3	274.8
80°	190.3	206.1	217.4	228.6	232.0	236.5	241.0	246.6	251.1	255.6
82.5°	173.4	188.1	198.2	210.6	212.9	217.4	221.9	226.4	230.9	235.4
85°	156.5	171.2	181.3	192.6	194.8	199.3	203.8	208.3	214.0	217.4
87.5°	140.8	154.3	165.6	175.7	177.9	182.4	186.9	190.3	194.8	199.3
90°	126.1	139.6	149.8	159.9	162.2	166.7	170.1	174.6	179.1	182.4
92.5°	111.5	125.0	134.0	144.2	146.4	150.9	155.4	158.8	163.3	166.7
95°	99.1	111.5	120.5	130.6	131.8	136.3	140.8	144.2	148.7	150.9
97.5°	86.7	99.1	108.1	117.1	118.3	122.8	127.3	130.6	134.0	137.4
100°	75.5	86.7	95.7	103.6	105.9	109.2	113.7	117.1	120.5	122.8
102.5°	65.3	75.5	83.3	92.3	93.5	98.0	101.4	104.7	108.1	110.4
105°	56.3	66.4	73.2	81.1	82.2	86.7	90.1	93.5	96.9	98.0
107.5°	48.4	56.3	63.1	71.0	73.2	75.5	78.8	82.2	85.6	86.7
110°	40.5	48.4	55.2	60.8	63.1	66.4	68.7	72.1	74.3	75.5



TEST NUMBER: P892677

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	33.8	40.5	46.2	52.9	54.1	57.4	59.7	61.9	65.3	66.4
115°	28.2	34.9	39.4	45.0	46.2	48.4	51.8	54.1	56.3	57.4
117.5°	23.7	28.2	32.7	37.2	39.4	41.7	43.9	46.2	47.3	48.4
120°	19.1	23.7	27.0	31.5	32.7	34.9	37.2	38.3	40.5	41.7
122.5°	14.6	19.1	22.5	25.9	27.0	29.3	30.4	32.7	33.8	33.8
125°	11.3	14.6	18.0	20.3	21.4	23.7	24.8	27.0	28.2	28.2
127.5°	9.0	11.3	13.5	16.9	16.9	19.1	20.3	21.4	22.5	22.5
130°	6.8	9.0	11.3	12.4	13.5	14.6	15.8	16.9	18.0	18.0
132.5°	4.5	6.8	7.9	10.1	10.1	11.3	12.4	12.4	13.5	13.5
135°	3.4	4.5	5.6	6.8	7.9	7.9	9.0	10.1	10.1	10.1
137.5°	2.3	3.4	4.5	5.6	5.6	5.6	6.8	6.8	7.9	7.9
140°	1.1	2.3	2.3	3.4	3.4	4.5	4.5	4.5	5.6	5.6
142.5°	1.1	1.1	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
145°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
165°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
170°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	0.0
175°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
177.5°	1.1	1.1	1.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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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	18.56	20.09	19.03	20.55	21.03	20.33	21.86	20.80	22.32	22.80
	3H	20.18	21.58	20.66	22.05	22.57	22.91	24.31	23.39	24.77	25.30
	4H	20.77	22.09	21.27	22.58	23.11	24.21	25.54	24.71	26.02	26.56
	6H	21.16	22.40	21.68	22.90	23.45	25.60	26.84	26.12	27.33	27.89
	8H	21.28	22.47	21.81	22.99	23.55	26.34	27.52	26.86	28.04	28.60
	12H	21.36	22.50	21.89	23.01	23.60	27.18	28.32	27.71	28.83	29.42
4H	2H	19.53	20.86	20.03	21.34	21.88	20.87	22.20	21.37	22.68	23.22
	3H	21.46	22.60	21.98	23.12	23.68	23.75	24.88	24.27	25.41	25.97
	4H	22.23	23.26	22.76	23.80	24.39	25.26	26.30	25.80	26.83	27.43
	6H	22.80	23.71	23.35	24.28	24.88	26.89	27.80	27.44	28.37	28.97
	8H	22.97	23.84	23.53	24.40	25.02	27.75	28.61	28.31	29.18	29.80
	12H	23.10	23.88	23.68	24.47	25.10	28.74	29.53	29.32	30.12	30.74
8H	4H	23.12	23.99	23.68	24.55	25.17	25.61	26.48	26.17	27.04	27.66
	6H	23.99	24.73	24.59	25.33	25.96	27.50	28.23	28.09	28.83	29.46
	8H	24.34	25.00	24.95	25.62	26.26	28.56	29.23	29.17	29.84	30.48
	12H	24.61	25.20	25.22	25.80	26.51	29.81	30.40	30.42	31.01	31.71
12H	4H	23.40	24.19	23.99	24.78	25.40	25.65	26.44	26.23	27.03	27.65
	6H	24.45	25.11	25.05	25.72	26.36	27.60	28.26	28.20	28.88	29.52
	8H	24.96	25.55	25.57	26.16	26.86	28.78	29.37	29.39	29.98	30.68