

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: P893447

Luminaire Tested: 4MB-3SL-RND-UNV-L940

Issue Date: 11/11/2024

**Test Information**

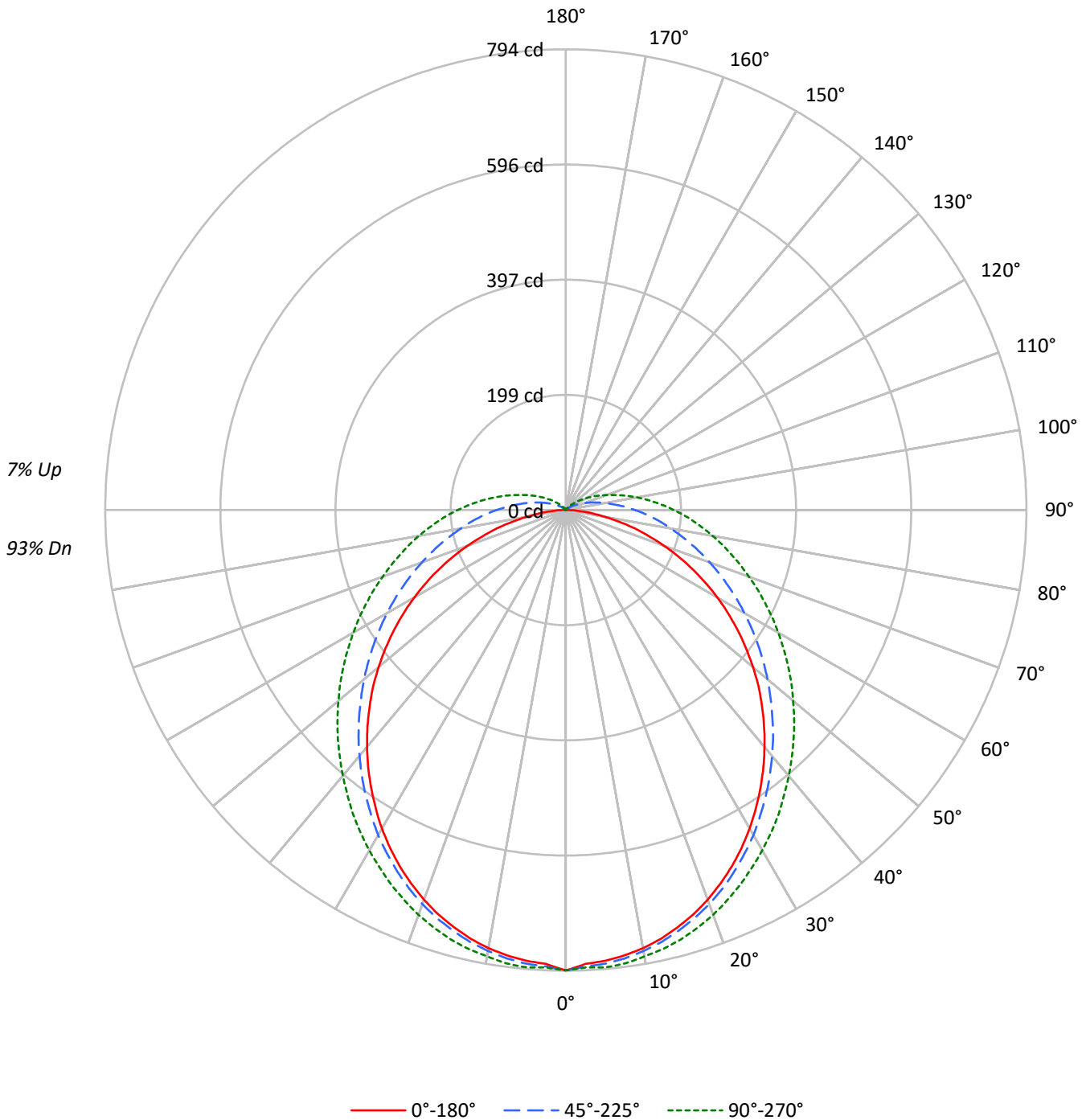
Test Method: LM-79-2019  
Report Number: P893447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-RND-UNV-L940  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2627.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 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): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P893447  
CATALOG NUMBER: 4MB-3SL-RND-UNV-L940

### 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°	5646	5646	5646
5°	5570	5606	5650
10°	5540	5576	5643
15°	5484	5530	5644
20°	5411	5473	5623
25°	5318	5396	5591
30°	5209	5316	5565
35°	5080	5221	5555
40°	4949	5138	5554
45°	4811	5067	5592
50°	4660	5024	5663
55°	4490	5014	5800
60°	4295	5063	6018
65°	4056	5195	6377
70°	3759	5490	6988
75°	3398	6111	8107
80°	2876	7531	10534
85°	2335	12270	18050

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 33227 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	2.9
10°-20°	213.8	8.1
20°-30°	320.2	12.2
30°-40°	381.8	14.5
40°-50°	395.9	15.1
50°-60°	367.3	14.0
60°-70°	306.4	11.7
70°-80°	228.5	8.7
80°-90°	152.1	5.8
90°-100°	92.6	3.5
100°-110°	51.7	2.0
110°-120°	25.8	1.0
120°-130°	10.8	0.4
130°-140°	3.4	0.1
140°-150°	0.8	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	609.0	23.2
0°-40°	990.8	37.7
0°-60°	1754.1	66.8
0°-90°	2441.1	92.9
90°-120°	170.2	6.5
90°-150°	185.2	7.0
90°-180°	186.0	7.1
0°-180°	2627.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	794	794	794	794	794	
5°	780	798	785	789	791	74
15°	744	764	751	764	766	210
25°	677	695	687	707	712	312
35°	585	600	601	631	640	366
45°	478	490	504	543	556	369
55°	362	374	404	451	468	324
65°	241	260	309	361	379	238
75°	124	158	222	276	295	131
85°	29	78	150	202	221	32
90°	1	52	119	168	186	2
95°	0	32	92	138	154	0
105°	0	10	50	85	98	0
115°	1	2	24	48	57	1
125°	1	1	9	23	29	1
135°	1	1	2	8	11	0
145°	1	1	1	2	2	0
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P893447

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5
2.5°	783.0	784.2	795.4	794.8	792.9	800.4	802.2	796.0	786.1	796.0	787.3
5°	779.9	781.1	792.3	791.7	789.8	797.9	798.5	792.9	783.0	792.9	784.9
7.5°	774.3	775.5	786.7	786.1	784.9	792.9	792.3	788.0	777.4	788.0	779.3
10°	766.8	767.5	779.3	778.0	777.4	785.5	783.6	779.9	769.3	779.9	771.8
12.5°	756.9	757.5	769.3	768.1	768.1	775.5	773.1	770.0	759.4	769.3	762.5
15°	744.5	745.1	756.3	755.7	755.7	763.7	760.0	757.5	747.6	758.2	750.7
17.5°	730.8	730.2	742.0	740.8	742.0	749.5	744.5	743.3	733.9	743.9	737.7
20°	714.7	714.7	725.2	724.6	726.5	733.3	727.1	727.7	718.4	729.0	722.8
22.5°	696.7	696.1	706.6	706.6	708.5	715.3	708.5	710.3	701.0	711.0	706.0
25°	677.4	676.2	686.7	686.7	689.9	695.4	688.0	690.5	681.8	691.7	687.4
27.5°	656.3	654.5	665.0	665.6	668.1	673.7	665.6	669.4	661.3	670.6	667.5
30°	634.0	632.1	642.7	643.3	646.4	650.7	642.7	647.6	640.2	649.5	647.0
32.5°	609.8	608.5	618.4	619.7	622.8	625.9	618.4	623.4	617.2	626.5	624.0
35°	584.9	583.7	593.0	594.9	598.0	600.4	592.4	599.2	593.6	602.3	601.1
37.5°	559.5	557.6	567.5	568.8	572.5	573.7	566.3	574.4	569.4	578.1	577.5
40°	532.8	530.9	540.8	542.1	545.8	545.8	539.6	548.3	544.6	552.6	553.2
42.5°	506.1	504.2	512.9	515.4	518.5	518.5	512.3	521.6	519.1	527.2	529.0
45°	478.1	476.3	484.3	486.8	490.5	490.5	484.3	494.9	493.0	501.1	503.6
47.5°	450.8	448.3	455.8	458.2	462.0	461.4	456.4	466.9	466.3	474.4	478.7
50°	421.0	419.1	426.6	429.1	433.4	432.2	428.4	439.6	439.6	447.7	453.9
52.5°	391.8	389.9	397.4	399.9	403.6	403.6	399.9	411.7	413.5	421.6	429.1
55°	362.0	359.5	367.0	369.5	373.8	374.4	371.3	383.1	386.8	396.2	404.2
57.5°	332.2	331.0	337.2	339.6	345.2	345.2	343.4	355.8	360.8	370.7	380.0
60°	301.8	300.5	306.1	309.2	315.4	316.7	315.4	328.5	335.3	345.2	355.8
62.5°	271.3	270.1	275.7	280.0	286.9	288.1	288.7	302.4	309.8	320.4	332.2
65°	240.9	239.7	245.3	250.2	258.3	260.2	262.0	276.3	285.0	296.2	308.6
67.5°	210.5	209.9	215.5	221.7	230.4	232.8	236.0	250.9	260.8	272.6	286.2
70°	180.7	180.1	185.7	193.1	203.7	206.8	210.5	225.4	237.8	250.2	263.9
72.5°	150.9	151.5	157.7	166.4	178.2	181.3	186.3	201.8	215.5	228.5	242.8
75°	123.6	123.6	130.4	140.3	153.4	157.7	163.3	179.4	193.7	207.4	222.3
77.5°	95.6	95.6	103.7	116.1	130.4	134.7	141.6	158.3	173.9	187.5	202.4
80°	70.2	71.4	80.7	93.1	108.0	113.6	121.7	138.5	155.2	168.9	183.8
82.5°	47.8	49.7	59.6	73.9	88.8	94.4	102.5	120.5	137.2	151.5	167.0
85°	28.6	31.7	42.2	56.5	72.0	78.2	86.9	103.7	120.5	134.7	150.3
87.5°	13.0	17.4	28.6	42.8	57.7	64.6	72.0	88.2	104.9	119.2	135.4
90°	1.2	7.5	18.6	31.0	45.3	51.5	59.0	74.5	90.7	103.7	119.2
92.5°	0.0	3.1	11.2	22.4	34.8	41.0	47.8	62.7	77.0	90.0	104.9
95°	0.0	1.2	6.2	15.5	26.1	31.7	37.9	51.5	65.8	78.2	91.9
97.5°	0.0	0.6	3.7	10.6	19.2	24.2	29.8	42.2	55.3	67.1	79.5
100°	0.0	0.6	1.9	6.8	14.3	18.0	23.6	34.2	45.9	56.5	68.9
102.5°	0.0	0.0	1.2	4.3	10.6	13.7	18.0	27.3	37.9	47.8	59.0
105°	0.0	0.0	0.6	3.1	7.5	9.9	13.7	21.7	31.0	39.7	50.3
107.5°	0.0	0.0	0.6	1.9	5.0	7.5	10.6	16.8	24.8	32.9	42.2
110°	0.6	0.6	0.6	1.2	3.7	5.6	7.5	13.0	20.5	27.3	35.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.6	0.6	0.6	0.6	2.5	3.7	5.6	9.9	16.1	21.7	29.2
115°	0.6	0.6	0.6	0.6	1.9	2.5	3.7	7.5	12.4	17.4	23.6
117.5°	0.6	0.6	0.6	0.6	1.2	1.9	2.5	5.6	9.3	13.7	19.2
120°	0.6	0.6	0.6	0.6	0.6	1.2	1.9	3.7	7.5	10.6	15.5
122.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	3.1	5.6	8.1	11.8
125°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.9	3.7	6.2	9.3
127.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.9	2.5	4.3	6.8
130°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.9	3.1	5.0
132.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.9	2.5	3.7
135°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.9	2.5
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.9
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
145°	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
155°	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5
2.5°	789.8	791.7	793.5	788.6	791.7	797.3	799.1	791.7	794.2	789.2
5°	787.3	788.6	791.1	784.9	789.2	794.2	797.3	791.1	794.8	791.1
7.5°	782.4	783.6	786.7	780.5	786.1	790.4	794.2	788.0	791.7	788.0
10°	774.9	776.8	781.1	773.7	780.5	784.2	788.0	781.1	784.9	781.1
12.5°	765.6	768.7	772.4	765.6	772.4	775.5	780.5	773.7	778.0	774.9
15°	754.4	757.5	762.5	755.7	764.4	766.8	771.8	765.0	769.3	766.2
17.5°	741.4	745.1	751.3	743.3	753.2	755.1	760.0	753.8	758.2	755.1
20°	726.5	730.2	736.4	729.0	738.9	740.1	745.7	740.1	744.5	742.6
22.5°	709.1	713.4	719.7	712.8	723.4	723.4	730.2	724.6	729.6	727.7
25°	691.1	696.1	702.9	695.4	706.6	706.6	714.1	708.5	713.4	712.2
27.5°	671.8	677.4	685.5	678.1	689.2	688.6	696.1	691.1	696.7	694.8
30°	651.4	657.6	665.6	659.4	671.2	670.0	677.4	673.1	678.1	677.4
32.5°	629.0	635.8	645.8	638.9	650.7	649.5	658.8	653.8	660.0	658.8
35°	606.6	614.1	624.0	617.8	630.9	629.0	638.3	634.0	640.2	639.6
37.5°	583.7	591.7	601.7	596.7	609.1	607.3	617.2	613.5	620.3	618.4
40°	560.1	568.2	578.7	574.4	587.4	584.9	595.5	592.4	599.2	598.0
42.5°	536.5	545.2	555.7	553.2	565.7	563.2	573.7	571.3	578.1	576.8
45°	512.3	521.6	532.8	530.3	543.3	540.8	551.4	549.5	556.4	555.7
47.5°	488.1	498.0	509.2	507.9	520.3	517.9	529.0	527.2	534.0	534.0
50°	463.2	474.4	485.6	484.9	497.4	494.9	504.8	504.8	512.3	511.6
52.5°	438.4	450.2	462.0	462.0	474.4	471.9	483.1	482.5	489.9	489.9
55°	414.8	425.3	437.1	439.6	451.4	447.7	459.5	460.7	466.9	467.6
57.5°	391.2	402.4	414.2	417.3	428.4	426.0	437.1	438.4	444.6	445.2
60°	367.6	378.1	389.9	394.3	405.5	403.0	414.2	415.4	422.2	422.9
62.5°	344.0	354.6	367.6	371.9	382.5	380.6	392.4	393.7	399.9	401.1
65°	321.0	332.2	344.6	350.8	360.8	358.3	370.1	371.3	378.1	378.8
67.5°	298.7	309.8	322.3	329.1	338.4	337.2	348.3	350.8	356.4	357.7
70°	276.9	288.1	301.2	308.0	317.3	316.7	327.2	329.1	335.3	335.9
72.5°	255.8	267.0	280.0	288.1	296.2	295.6	306.1	308.6	314.8	315.4
75°	235.3	247.1	259.5	268.2	276.3	275.7	286.2	288.7	294.3	294.9
77.5°	216.1	227.9	240.9	249.6	256.4	257.1	266.4	268.9	274.5	276.3
80°	198.1	209.3	221.7	231.0	237.2	238.4	247.1	250.2	254.6	257.1
82.5°	180.7	191.9	204.3	213.0	219.2	220.4	228.5	232.2	236.6	238.4
85°	163.9	175.1	186.9	196.2	201.8	202.4	210.5	214.2	217.9	221.1
87.5°	147.8	159.0	170.1	180.1	185.0	186.3	193.7	197.5	200.6	203.7
90°	131.6	142.8	154.0	163.3	168.3	168.9	177.0	180.7	183.8	186.3
92.5°	116.7	127.9	139.1	148.4	152.7	154.0	160.8	165.2	167.7	170.1
95°	102.5	113.6	123.6	133.5	137.8	139.7	145.9	149.6	152.7	154.0
97.5°	90.0	100.0	109.3	119.2	122.9	124.8	131.0	135.4	137.8	139.1
100°	78.2	87.6	96.2	105.6	109.3	111.1	116.7	120.5	122.9	124.8
102.5°	67.7	76.4	84.4	93.1	96.9	98.1	103.1	106.8	109.3	111.1
105°	58.4	66.4	73.9	82.0	85.1	86.9	91.3	94.4	96.9	98.1
107.5°	49.7	57.7	64.0	71.4	74.5	75.8	80.1	83.8	85.7	86.3
110°	42.2	49.1	55.3	61.5	65.2	66.4	70.2	73.3	75.1	75.8





TEST NUMBER: P893447

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	35.4	41.6	47.2	52.8	55.9	57.1	60.9	64.0	65.2	65.8
115°	29.2	35.4	39.7	45.3	47.8	49.1	52.2	55.3	55.9	57.1
117.5°	23.6	29.2	33.5	37.9	40.4	41.6	44.1	46.6	47.8	48.4
120°	19.2	23.6	27.3	31.7	33.5	34.8	37.3	39.7	40.4	41.0
122.5°	15.5	19.2	22.4	26.1	27.9	29.2	31.0	32.9	33.5	34.2
125°	11.8	15.5	18.0	21.1	23.0	23.6	25.5	27.3	27.9	28.6
127.5°	9.3	11.8	14.3	16.8	18.0	18.6	20.5	21.7	22.4	23.0
130°	6.8	8.7	10.6	13.0	14.3	14.9	16.1	17.4	18.0	18.0
132.5°	5.0	6.8	8.1	9.9	10.6	11.2	12.4	13.7	13.7	14.3
135°	3.1	4.3	5.6	6.8	8.1	8.1	9.3	9.9	10.6	10.6
137.5°	2.5	3.1	3.7	5.0	5.6	6.2	6.2	7.5	7.5	7.5
140°	1.9	2.5	2.5	3.1	3.7	4.3	4.3	5.0	5.0	5.0
142.5°	1.2	1.9	1.9	2.5	2.5	3.1	3.1	3.1	3.7	3.7
145°	1.2	1.2	1.2	1.9	1.9	1.9	1.9	2.5	2.5	2.5
147.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.9	1.9	1.9
150°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
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	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P893447  
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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	16.30	17.84	16.77	18.29	18.78	17.87	19.41	18.34	19.87	20.35
	3H	17.98	19.38	18.46	19.85	20.38	20.50	21.90	20.98	22.37	22.90
	4H	18.58	19.91	19.08	20.39	20.93	21.81	23.14	22.31	23.62	24.16
	6H	18.97	20.21	19.49	20.71	21.27	23.21	24.45	23.73	24.95	25.51
	8H	19.09	20.28	19.62	20.80	21.36	23.96	25.15	24.49	25.67	26.24
	12H	19.17	20.31	19.70	20.82	21.42	24.81	25.95	25.35	26.47	27.06
4H	2H	17.23	18.56	17.73	19.04	19.58	18.42	19.76	18.93	20.24	20.78
	3H	19.21	20.34	19.73	20.87	21.44	21.34	22.48	21.86	23.00	23.57
	4H	19.98	21.03	20.52	21.56	22.16	22.86	23.91	23.40	24.44	25.04
	6H	20.56	21.48	21.12	22.05	22.66	24.51	25.43	25.06	25.99	26.60
	8H	20.75	21.61	21.31	22.18	22.80	25.39	26.26	25.95	26.82	27.44
	12H	20.87	21.66	21.45	22.25	22.88	26.39	27.18	26.98	27.77	28.40
8H	4H	20.86	21.73	21.42	22.29	22.92	23.23	24.09	23.79	24.66	25.28
	6H	21.74	22.48	22.34	23.09	23.71	25.13	25.86	25.72	26.47	27.10
	8H	22.09	22.76	22.70	23.37	24.01	26.21	26.88	26.82	27.49	28.13
	12H	22.36	22.96	22.97	23.56	24.27	27.47	28.07	28.08	28.67	29.38
12H	4H	21.14	21.93	21.72	22.52	23.15	23.27	24.06	23.85	24.65	25.27
	6H	22.19	22.86	22.80	23.48	24.12	25.24	25.90	25.84	26.52	27.16
	8H	22.71	23.31	23.32	23.91	24.62	26.43	27.03	27.04	27.63	28.34