

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: P893402

Luminaire Tested: 4MB-3SL-FLTU-UNV-L835

Issue Date: 11/11/2024

**Test Information**

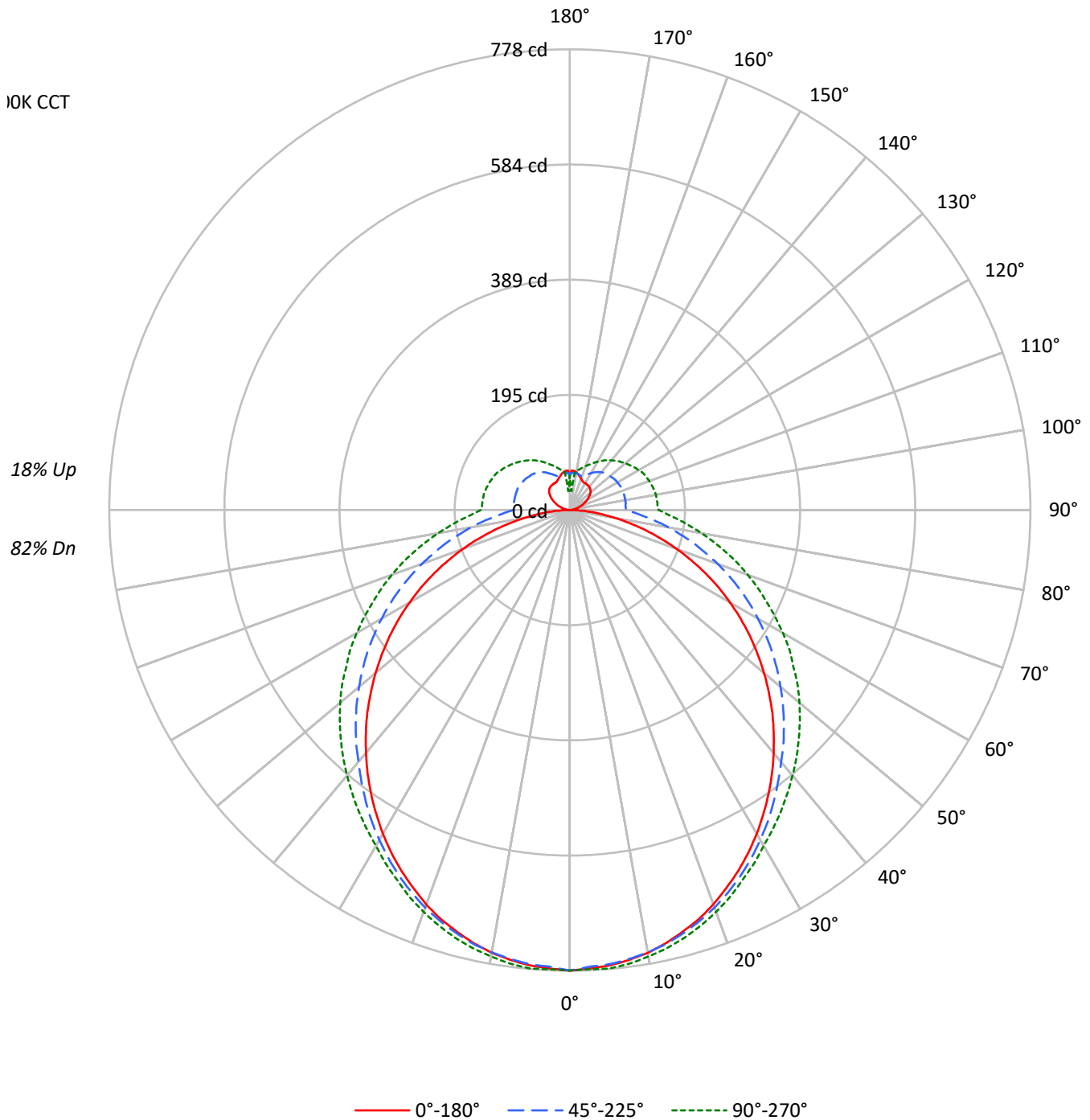
Test Method: LM-79-2019  
Report Number: P893402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-FLTU-UNV-L835  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 350  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2940.0 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')  
CIE Type: Semi-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: P893402  
CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L835

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5533	5533	5533
5°	5489	5302	5296
10°	5435	5098	5044
15°	5355	4894	4804
20°	5266	4686	4560
25°	5154	4468	4312
30°	5035	4246	4087
35°	4903	4023	3901
40°	4764	3804	3723
45°	4625	3612	3555
50°	4462	3414	3391
55°	4287	3220	3207
60°	4077	3011	3034
65°	3826	2792	2837
70°	3501	2551	2654
75°	3054	2304	2456
80°	2467	2041	2252
85°	1706	1773	2067

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4625 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	2.5
10°-20°	209.8	7.1
20°-30°	315.1	10.7
30°-40°	378.4	12.9
40°-50°	397.9	13.5
50°-60°	373.8	12.7
60°-70°	310.9	10.6
70°-80°	221.8	7.5
80°-90°	132.0	4.5
90°-100°	95.6	3.3
100°-110°	94.3	3.2
110°-120°	88.6	3.0
120°-130°	78.5	2.7
130°-140°	65.1	2.2
140°-150°	48.7	1.7
150°-160°	32.0	1.1
160°-170°	18.2	0.6
170°-180°	5.8	0.2
0°-30°	598.4	20.4
0°-40°	976.8	33.2
0°-60°	1748.6	59.5
0°-90°	2413.3	82.1
90°-120°	278.5	9.5
90°-150°	470.7	16.0
90°-180°	527.0	17.9
0°-180°	2940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	772	781	770	772	777	73
15°	737	749	740	745	748	208
25°	673	685	682	688	690	310
35°	585	599	601	616	621	366
45°	484	497	511	538	547	373
55°	371	386	417	451	461	332
65°	253	273	317	356	366	250
75°	133	163	217	258	272	141
85°	33	73	127	170	184	37
90°	0	42	94	136	150	2
95°	4	44	94	134	148	4
105°	14	49	95	133	146	14
115°	26	53	94	127	140	26
125°	40	57	92	119	128	36
135°	49	60	87	109	116	38
145°	52	58	78	97	102	33
155°	53	59	66	82	87	25
165°	60	64	62	62	72	17
175°	67	66	62	53	32	6
180°	58	58	58	58	58	



TEST NUMBER: P893402  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7
2.5°	774.8	777.0	777.7	784.8	781.9	784.8	779.8	774.1	772.7	776.3	772.0
5°	772.0	774.1	774.8	781.9	779.1	781.2	777.0	771.3	769.9	774.1	769.9
7.5°	766.3	768.4	769.2	777.0	773.4	776.3	771.3	765.6	764.9	769.2	764.9
10°	759.2	761.3	762.1	769.2	766.3	769.2	764.2	758.5	757.8	762.8	758.5
12.5°	749.3	751.4	752.8	759.9	756.4	759.9	754.2	748.6	749.3	753.5	750.7
15°	737.2	740.0	740.7	747.9	745.0	748.6	742.9	737.2	738.6	742.9	740.0
17.5°	724.4	727.3	728.0	734.4	731.5	735.8	729.4	724.4	725.8	730.1	728.0
20°	708.8	711.6	713.1	719.4	716.6	720.9	714.5	710.2	711.6	716.6	714.5
22.5°	691.0	695.3	696.0	703.1	699.6	703.8	697.4	693.9	696.0	701.0	698.8
25°	672.6	676.8	677.5	684.6	681.8	685.4	679.0	675.4	678.3	683.2	681.8
27.5°	652.7	656.9	658.4	664.8	661.9	666.2	659.1	656.9	659.8	664.8	663.3
30°	631.4	635.6	636.3	642.7	640.6	644.9	638.5	635.6	639.9	644.9	643.5
32.5°	608.6	612.9	615.0	620.7	618.6	622.1	616.5	615.0	618.6	623.6	622.9
35°	585.2	589.5	591.6	598.0	595.2	598.7	593.0	591.6	597.3	600.8	600.8
37.5°	561.1	565.3	567.5	573.8	570.3	574.6	568.9	568.2	574.6	578.1	578.1
40°	535.5	540.5	542.6	548.3	545.4	549.0	544.0	544.7	550.4	554.7	555.4
42.5°	509.9	514.9	517.0	523.4	519.9	523.4	519.2	519.9	526.3	530.5	534.1
45°	483.7	487.9	490.0	497.1	492.9	497.1	492.9	494.3	500.7	507.1	511.4
47.5°	456.0	460.2	463.8	469.4	465.9	469.4	466.6	468.7	476.6	482.9	488.6
50°	428.3	432.5	436.1	441.0	437.5	442.5	438.9	441.8	451.7	458.1	464.5
52.5°	399.8	403.4	409.1	411.9	409.1	414.8	411.9	416.2	426.1	433.9	441.0
55°	371.4	375.0	380.7	382.8	380.0	386.4	384.2	389.9	400.6	409.1	416.9
57.5°	342.3	345.9	350.8	353.0	350.8	357.9	357.2	363.6	374.3	383.5	392.0
60°	312.5	316.0	320.3	322.4	322.4	329.5	329.5	337.3	348.7	357.2	367.2
62.5°	283.4	285.5	289.8	292.6	294.7	301.8	301.8	310.4	322.4	332.4	342.3
65°	252.8	255.0	258.5	262.1	265.6	273.4	274.1	283.4	295.4	305.4	316.8
67.5°	222.3	224.4	228.0	232.2	237.2	245.0	246.4	256.4	269.2	280.5	291.2
70°	192.5	193.2	197.4	203.1	208.8	216.6	218.7	229.4	242.9	254.3	265.6
72.5°	162.6	163.3	167.6	174.7	181.1	189.6	192.5	203.8	217.3	228.7	240.1
75°	132.8	133.5	139.2	147.7	154.8	162.6	166.2	178.3	191.8	203.8	216.6
77.5°	104.4	105.8	111.5	120.0	128.5	137.8	141.3	153.4	168.3	179.7	191.8
80°	78.1	79.5	85.9	95.2	104.4	112.9	117.2	129.3	144.9	156.2	169.7
82.5°	54.0	56.1	63.9	73.9	83.1	92.3	96.6	108.0	122.2	134.9	147.7
85°	33.4	36.2	44.0	54.7	64.6	73.2	77.4	89.5	103.0	115.1	127.1
87.5°	15.6	19.9	27.7	38.4	49.0	56.1	61.1	73.2	85.9	98.0	110.1
90°	0.0	6.4	14.2	24.9	35.5	41.9	47.6	58.9	71.7	83.1	94.5
92.5°	1.4	7.1	15.6	25.6	36.2	42.6	48.3	59.7	71.7	83.1	94.5
95°	3.6	7.8	16.3	27.0	37.6	44.0	49.0	60.4	72.4	83.8	94.5
97.5°	6.4	9.9	18.5	28.4	39.1	44.7	50.4	61.8	73.2	84.5	95.2
100°	8.5	11.4	19.9	29.8	40.5	46.2	51.8	62.5	73.9	85.2	95.2
102.5°	10.7	14.2	22.0	31.2	41.9	47.6	52.6	63.2	74.6	85.2	95.2
105°	13.5	16.3	23.4	33.4	43.3	49.0	54.0	64.6	75.3	85.9	95.2
107.5°	16.3	18.5	25.6	34.8	44.7	49.7	54.7	65.3	76.0	85.9	95.2
110°	19.9	21.3	27.7	36.2	45.5	51.1	56.1	66.0	76.0	85.9	95.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	23.4	23.4	29.8	37.6	46.9	51.8	56.8	66.8	76.7	85.9	95.2
115°	26.3	27.0	32.0	39.1	48.3	53.3	57.5	66.8	76.7	85.9	94.5
117.5°	29.8	29.8	34.8	40.5	49.0	54.0	58.9	67.5	76.7	85.2	93.7
120°	33.4	32.7	36.9	42.6	50.4	54.7	59.7	68.2	76.7	85.2	93.0
122.5°	36.9	35.5	38.4	44.0	51.1	56.1	59.7	68.2	76.7	84.5	92.3
125°	39.8	38.4	40.5	46.2	52.6	56.8	60.4	68.2	76.7	83.8	91.6
127.5°	42.6	41.2	43.3	47.6	53.3	56.8	61.1	68.2	76.7	83.1	90.2
130°	45.5	43.3	46.2	49.0	54.7	57.5	61.1	68.2	76.0	82.4	88.8
132.5°	47.6	45.5	48.3	50.4	55.4	58.2	61.8	68.2	75.3	81.7	88.1
135°	49.0	46.9	50.4	51.8	56.8	59.7	62.5	68.2	74.6	81.0	86.6
137.5°	50.4	47.6	51.8	53.3	57.5	60.4	62.5	67.5	73.9	79.5	85.2
140°	51.1	49.0	53.3	54.7	56.8	59.7	62.5	66.8	72.4	78.1	83.1
142.5°	51.8	49.0	54.0	55.4	56.8	58.9	61.8	65.3	71.0	76.0	81.0
145°	51.8	49.7	54.0	55.4	56.8	58.2	60.4	64.6	68.9	73.2	78.1
147.5°	51.8	50.4	54.7	56.1	57.5	57.5	58.9	63.2	66.8	71.0	75.3
150°	52.6	50.4	54.7	56.1	58.2	58.2	58.9	61.1	65.3	68.2	71.7
152.5°	51.8	51.1	54.0	56.8	58.2	58.9	58.9	59.7	63.2	66.0	68.9
155°	52.6	52.6	54.7	58.2	58.9	58.9	59.7	58.9	60.4	63.2	66.0
157.5°	54.0	55.4	55.4	58.9	60.4	60.4	61.1	60.4	59.7	60.4	63.2
160°	56.1	57.5	57.5	59.7	61.8	61.8	62.5	61.8	61.1	60.4	60.4
162.5°	58.2	59.7	59.7	60.4	62.5	63.2	63.9	63.2	62.5	61.1	60.4
165°	60.4	61.8	61.8	61.8	63.2	63.9	64.6	63.9	63.9	62.5	61.8
167.5°	62.5	63.9	63.9	63.2	63.9	64.6	65.3	64.6	64.6	63.9	62.5
170°	64.6	66.0	66.0	64.6	65.3	65.3	66.0	65.3	65.3	63.9	63.2
172.5°	66.0	67.5	66.8	66.0	66.0	66.0	66.0	65.3	64.6	63.2	63.2
175°	66.8	68.2	68.2	66.8	66.0	66.0	66.8	65.3	64.6	63.9	62.5
177.5°	66.8	68.2	68.2	66.8	66.8	66.0	66.8	66.0	66.0	64.6	63.2
180°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7	777.7
2.5°	774.8	774.1	769.9	774.8	774.8	773.4	779.1	778.4	777.7	776.3
5°	772.0	771.3	767.0	772.0	772.0	771.3	777.0	777.7	778.4	777.0
7.5°	767.7	767.0	762.8	767.7	767.7	767.0	773.4	774.1	774.8	772.7
10°	761.3	760.6	756.4	761.3	762.1	761.3	766.3	767.0	768.4	765.6
12.5°	752.8	752.8	748.6	753.5	754.2	753.5	758.5	759.9	761.3	757.8
15°	742.2	742.9	739.3	744.3	745.0	745.0	750.0	750.7	752.8	747.9
17.5°	729.4	730.8	728.0	732.9	733.6	734.4	737.2	739.3	741.5	735.8
20°	715.9	716.6	714.5	718.7	720.2	719.4	723.0	725.8	728.0	722.3
22.5°	699.6	700.3	698.1	702.4	703.8	704.5	707.4	710.9	712.3	707.4
25°	681.1	683.9	682.5	686.8	688.2	688.2	691.0	694.6	696.7	689.6
27.5°	663.3	666.9	665.5	669.7	671.1	671.9	673.3	677.5	679.7	673.3
30°	643.5	647.7	647.0	651.3	652.7	652.0	654.8	659.1	661.9	654.8
32.5°	621.4	627.1	626.4	632.1	633.5	634.2	636.3	642.0	644.9	638.5
35°	600.1	606.5	607.2	613.6	615.8	616.5	619.3	625.0	627.8	621.4
37.5°	578.1	586.6	588.8	595.2	597.3	598.0	600.8	607.2	610.1	603.7
40°	556.8	566.7	569.6	575.3	577.4	579.5	581.7	588.1	591.6	585.2
42.5°	535.5	546.2	549.7	555.4	557.5	559.6	562.5	569.6	572.4	566.7
45°	513.5	524.8	529.1	534.8	537.6	539.8	542.6	549.0	552.5	546.9
47.5°	491.5	502.8	507.1	513.5	516.3	519.2	521.3	529.1	532.7	527.0
50°	468.0	480.8	485.8	491.5	495.7	497.9	500.7	507.8	511.4	506.4
52.5°	444.6	458.1	463.8	469.4	473.7	477.3	478.7	486.5	490.0	485.1
55°	420.4	433.9	440.3	446.7	451.0	455.2	456.7	464.5	468.0	460.9
57.5°	396.3	410.5	416.9	424.0	427.5	432.5	434.6	441.8	445.3	440.3
60°	372.1	385.6	393.5	399.8	404.8	409.1	410.5	418.3	421.9	415.5
62.5°	347.3	361.5	369.3	376.4	380.7	385.6	387.8	394.9	397.7	391.3
65°	321.7	335.9	344.5	350.8	356.5	360.8	362.2	370.0	372.9	366.5
67.5°	296.2	310.4	319.6	326.7	331.7	336.6	338.1	345.9	348.7	343.7
70°	271.3	285.5	294.7	303.3	306.8	311.8	313.9	321.0	323.9	319.6
72.5°	246.4	260.6	270.6	279.1	282.7	287.6	290.5	296.2	300.4	296.9
75°	222.3	236.5	246.4	255.0	258.5	263.5	266.3	272.0	274.9	272.0
77.5°	198.9	213.1	222.3	230.8	235.1	239.3	242.2	247.9	251.4	248.6
80°	176.1	190.3	199.6	207.4	211.6	215.9	218.7	225.1	228.0	225.8
82.5°	154.8	168.3	178.3	186.1	190.3	194.6	197.4	203.1	206.7	203.8
85°	135.7	149.1	158.4	166.2	169.7	174.0	176.8	182.5	185.4	183.9
87.5°	117.2	129.3	139.9	147.7	151.3	155.5	159.1	163.3	166.9	164.8
90°	103.0	113.6	123.6	131.4	135.7	139.9	144.2	148.4	151.3	149.9
92.5°	103.7	113.6	122.9	130.0	134.2	138.5	142.8	147.7	149.9	148.4
95°	103.7	113.6	122.9	130.0	134.2	138.5	142.8	147.7	149.9	148.4
97.5°	103.7	113.6	122.9	130.0	134.2	138.5	142.8	147.7	149.9	147.7
100°	103.7	113.6	122.9	130.0	134.2	137.8	142.0	147.0	149.1	147.7
102.5°	103.7	113.6	122.2	129.3	133.5	137.1	141.3	146.3	148.4	147.0
105°	103.7	112.9	122.2	128.5	132.8	136.4	140.6	144.9	147.0	145.6
107.5°	103.0	112.2	120.7	127.8	131.4	134.9	139.2	143.5	145.6	144.2
110°	103.0	111.5	120.0	126.4	130.0	133.5	137.8	142.0	144.2	142.8





TEST NUMBER: P893402  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	102.3	110.8	119.3	125.0	128.5	132.1	135.7	140.6	142.8	141.3
115°	101.6	110.1	117.9	123.6	127.1	130.0	134.2	139.2	140.6	139.9
117.5°	100.8	108.7	116.5	122.2	125.7	128.5	132.1	136.4	138.5	137.8
120°	100.1	107.2	115.1	120.0	123.6	126.4	129.3	133.5	135.7	134.2
122.5°	98.7	105.8	113.6	118.6	121.4	124.3	127.1	130.7	132.8	132.1
125°	97.3	104.4	111.5	116.5	119.3	121.4	124.3	127.8	129.3	128.5
127.5°	95.9	103.0	109.4	113.6	117.2	119.3	121.4	125.0	126.4	125.7
130°	94.5	100.8	107.2	111.5	114.3	116.5	118.6	122.2	122.9	122.9
132.5°	93.0	98.7	105.1	109.4	112.2	113.6	115.8	118.6	120.0	119.3
135°	91.6	96.6	103.0	106.5	108.7	110.8	112.9	115.8	116.5	116.5
137.5°	89.5	94.5	100.1	103.7	105.8	107.2	109.4	112.2	112.9	112.9
140°	87.4	92.3	97.3	100.1	103.0	104.4	105.8	108.7	109.4	109.4
142.5°	85.2	89.5	94.5	97.3	100.1	100.8	103.0	105.1	105.8	105.8
145°	82.4	87.4	91.6	94.5	96.6	97.3	99.4	101.6	101.6	102.3
147.5°	78.8	83.1	88.8	90.9	93.0	93.7	95.9	97.3	98.0	98.0
150°	75.3	79.5	84.5	88.1	90.2	90.9	91.6	93.7	93.7	94.5
152.5°	71.7	75.3	80.3	83.8	86.6	87.4	88.1	89.5	89.5	90.2
155°	68.2	71.0	75.3	78.8	81.7	83.1	84.5	85.9	85.9	86.6
157.5°	65.3	68.2	71.7	74.6	76.7	78.8	81.0	82.4	82.4	82.4
160°	61.8	63.9	67.5	69.6	72.4	73.9	77.4	78.8	78.8	79.5
162.5°	59.7	60.4	62.5	64.6	66.8	68.2	71.7	75.3	75.3	76.0
165°	60.4	59.7	60.4	61.1	62.5	63.2	65.3	70.3	71.7	72.4
167.5°	61.8	59.7	59.7	59.7	61.1	61.1	63.2	66.0	71.0	69.6
170°	61.8	59.7	58.2	58.2	58.9	58.2	59.7	61.8	64.6	67.5
172.5°	62.5	60.4	58.2	55.4	56.1	55.4	54.0	54.0	54.7	63.9
175°	61.8	60.4	57.5	54.0	53.3	51.1	46.9	43.3	41.2	32.0
177.5°	61.1	58.9	56.8	54.0	52.6	50.4	45.5	39.8	34.1	32.7
180°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2



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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	13.63	14.95	14.24	15.58	16.30	16.18	17.50	16.79	18.13	18.85
	3H	15.03	16.23	15.66	16.87	17.63	18.61	19.81	19.23	20.45	21.21
	4H	15.46	16.60	16.11	17.25	18.02	19.75	20.88	20.39	21.54	22.31
	6H	15.70	16.75	16.36	17.42	18.20	20.88	21.94	21.55	22.61	23.39
	8H	15.74	16.75	16.41	17.44	18.23	21.44	22.45	22.12	23.14	23.93
	12H	15.75	16.72	16.43	17.40	18.22	22.03	22.99	22.70	23.68	24.49
4H	2H	14.52	15.65	15.17	16.31	17.08	16.53	17.66	17.18	18.32	19.09
	3H	16.14	17.11	16.80	17.80	18.59	19.16	20.12	19.82	20.82	21.61
	4H	16.70	17.58	17.38	18.28	19.10	20.45	21.33	21.13	22.03	22.85
	6H	17.03	17.81	17.73	18.53	19.36	21.76	22.54	22.46	23.26	24.09
	8H	17.11	17.84	17.81	18.56	19.40	22.42	23.15	23.12	23.87	24.71
	12H	17.14	17.80	17.87	18.55	19.39	23.12	23.78	23.84	24.52	25.37
8H	4H	17.34	18.08	18.05	18.79	19.64	20.60	21.33	21.30	22.05	22.89
	6H	17.85	18.47	18.58	19.23	20.07	22.06	22.67	22.79	23.43	24.28
	8H	18.00	18.56	18.75	19.32	20.18	22.84	23.39	23.58	24.15	25.01
	12H	18.09	18.59	18.84	19.34	20.26	23.70	24.19	24.45	24.94	25.86
12H	4H	17.51	18.17	18.23	18.91	19.76	20.59	21.26	21.32	22.00	22.84
	6H	18.11	18.66	18.85	19.42	20.28	22.07	22.63	22.82	23.39	24.25
	8H	18.34	18.83	19.09	19.59	20.50	22.91	23.40	23.65	24.15	25.07