

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: P893517

Luminaire Tested: 4MB-4SL-FLTU-UNV-L930

Issue Date: 11/11/2024

**Test Information**

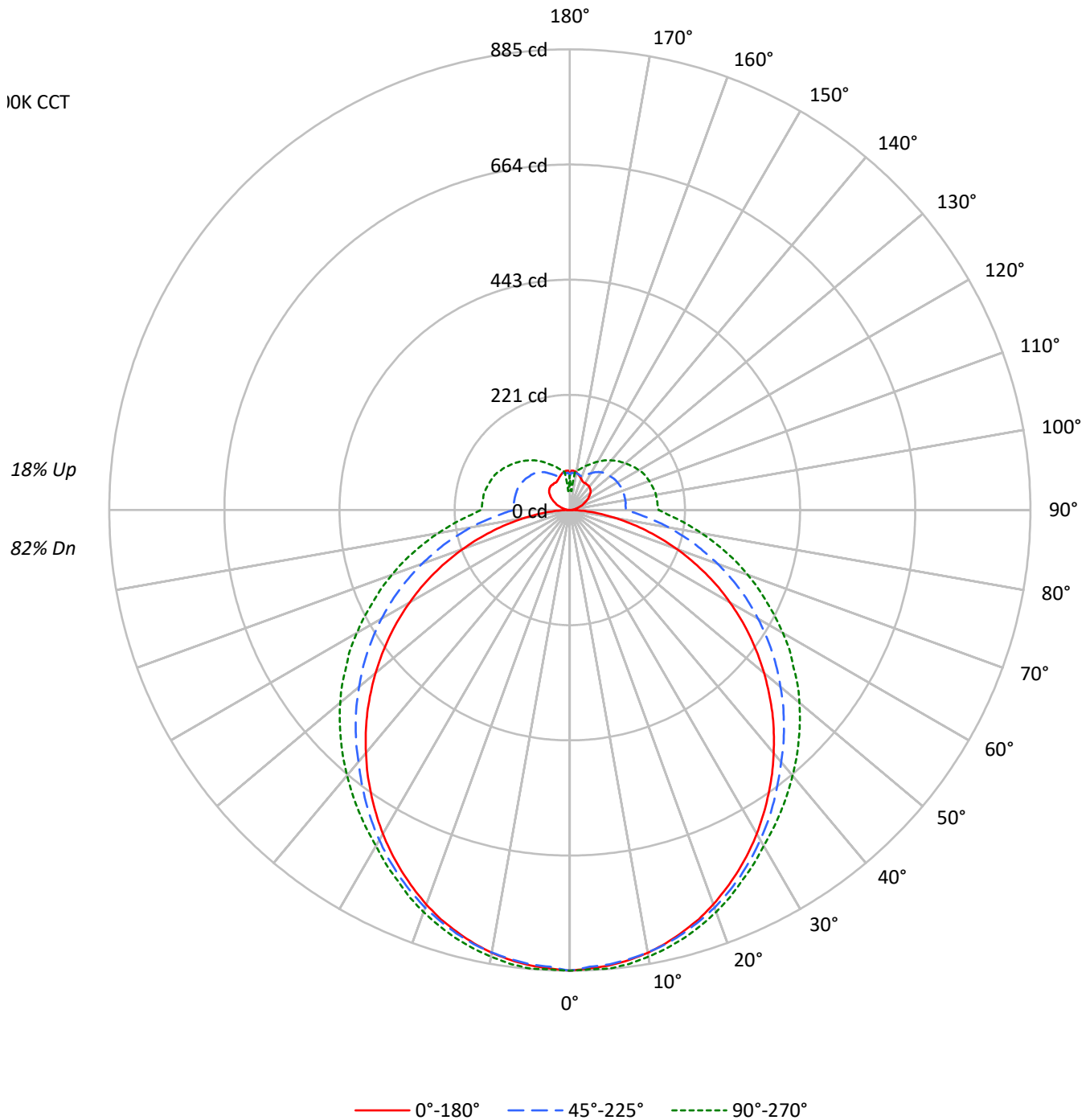
Test Method: LM-79-2019  
Report Number: P893517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-FLTU-UNV-L930  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 300  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3345.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 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): 29.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.5  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893517  
CATALOG NUMBER: 4MB-4SL-FLTU-UNV-L930

### 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
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	82	
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	66	
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	54	
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	45	
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	38	
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	32	
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	28	
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	25	
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	22	
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	20	
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	18	

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

	0°	45°	90°
0°	6295	6295	6295
5°	6244	6032	6025
10°	6184	5801	5739
15°	6093	5569	5465
20°	5992	5331	5188
25°	5864	5083	4906
30°	5729	4831	4650
35°	5578	4577	4438
40°	5421	4328	4236
45°	5262	4110	4045
50°	5077	3885	3858
55°	4877	3663	3649
60°	4638	3426	3451
65°	4355	3176	3228
70°	3983	2902	3019
75°	3475	2622	2794
80°	2809	2322	2564
85°	1941	2017	2353

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5262 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	2.5
10°-20°	238.7	7.1
20°-30°	358.5	10.7
30°-40°	430.5	12.9
40°-50°	452.7	13.5
50°-60°	425.3	12.7
60°-70°	353.7	10.6
70°-80°	252.4	7.5
80°-90°	150.2	4.5
90°-100°	108.8	3.3
100°-110°	107.3	3.2
110°-120°	100.8	3.0
120°-130°	89.3	2.7
130°-140°	74.0	2.2
140°-150°	55.4	1.7
150°-160°	36.4	1.1
160°-170°	20.7	0.6
170°-180°	6.6	0.2
0°-30°	680.9	20.4
0°-40°	1111.4	33.2
0°-60°	1989.4	59.5
0°-90°	2745.8	82.1
90°-120°	316.9	9.5
90°-150°	535.6	16.0
90°-180°	599.0	17.9
0°-180°	3345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	876	878	884	83
15°	839	852	842	848	851	237
25°	765	780	776	783	785	352
35°	666	681	684	701	707	417
45°	550	566	582	612	622	424
55°	423	440	474	513	524	378
65°	288	311	360	406	417	285
75°	151	185	246	294	310	161
85°	38	83	145	193	209	42
90°	0	48	108	154	170	3
95°	4	50	108	153	169	5
105°	15	56	108	151	166	16
115°	30	61	108	145	159	30
125°	45	65	104	136	146	40
135°	56	68	99	124	132	43
145°	59	66	89	110	116	37
155°	60	67	75	93	99	28
165°	69	73	70	71	82	19
175°	76	75	71	61	36	7
180°	66	66	66	66	66	



TEST NUMBER: P893517  
 CATALOG NUMBER: 4MB-4SL-FLTU-UNV-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8
2.5°	881.6	884.0	884.8	892.9	889.7	892.9	887.2	880.8	879.2	883.2	878.3
5°	878.3	880.8	881.6	889.7	886.4	888.8	884.0	877.5	875.9	880.8	875.9
7.5°	871.9	874.3	875.1	884.0	880.0	883.2	877.5	871.1	870.3	875.1	870.3
10°	863.8	866.2	867.0	875.1	871.9	875.1	869.5	863.0	862.2	867.8	863.0
12.5°	852.5	854.9	856.5	864.6	860.6	864.6	858.1	851.7	852.5	857.3	854.1
15°	838.8	842.0	842.8	850.9	847.6	851.7	845.2	838.8	840.4	845.2	842.0
17.5°	824.2	827.4	828.2	835.5	832.3	837.1	829.9	824.2	825.8	830.7	828.2
20°	806.4	809.7	811.3	818.5	815.3	820.2	812.9	808.0	809.7	815.3	812.9
22.5°	786.2	791.1	791.9	800.0	795.9	800.8	793.5	789.5	791.9	797.5	795.1
25°	765.2	770.1	770.9	779.0	775.7	779.8	772.5	768.5	771.7	777.3	775.7
27.5°	742.6	747.4	749.1	756.3	753.1	757.9	749.9	747.4	750.7	756.3	754.7
30°	718.4	723.2	724.0	731.3	728.9	733.7	726.4	723.2	728.0	733.7	732.1
32.5°	692.5	697.3	699.8	706.2	703.8	707.8	701.4	699.8	703.8	709.5	708.7
35°	665.8	670.7	673.1	680.4	677.1	681.2	674.7	673.1	679.6	683.6	683.6
37.5°	638.4	643.2	645.6	652.9	648.9	653.7	647.2	646.4	653.7	657.7	657.7
40°	609.3	614.9	617.3	623.8	620.6	624.6	619.0	619.8	626.2	631.1	631.9
42.5°	580.2	585.8	588.3	595.5	591.5	595.5	590.7	591.5	598.8	603.6	607.6
45°	550.3	555.1	557.6	565.6	560.8	565.6	560.8	562.4	569.7	576.9	581.8
47.5°	518.8	523.6	527.7	534.1	530.1	534.1	530.9	533.3	542.2	549.5	555.9
50°	487.3	492.1	496.1	501.8	497.8	503.4	499.4	502.6	513.9	521.2	528.5
52.5°	454.9	459.0	465.4	468.7	465.4	471.9	468.7	473.5	484.8	493.7	501.8
55°	422.6	426.6	433.1	435.5	432.3	439.6	437.2	443.6	455.7	465.4	474.3
57.5°	389.5	393.5	399.2	401.6	399.2	407.3	406.4	413.7	425.8	436.3	446.0
60°	355.5	359.6	364.4	366.9	366.9	374.9	374.9	383.8	396.8	406.4	417.8
62.5°	322.4	324.8	329.7	332.9	335.3	343.4	343.4	353.1	366.9	378.2	389.5
65°	287.7	290.1	294.1	298.2	302.2	311.1	311.9	322.4	336.1	347.5	360.4
67.5°	252.9	255.3	259.4	264.2	269.9	278.8	280.4	291.7	306.2	319.2	331.3
70°	219.0	219.8	224.6	231.1	237.6	246.5	248.9	261.0	276.4	289.3	302.2
72.5°	185.0	185.9	190.7	198.8	206.1	215.7	219.0	231.9	247.3	260.2	273.1
75°	151.1	151.9	158.4	168.1	176.2	185.0	189.1	202.8	218.2	231.9	246.5
77.5°	118.8	120.4	126.9	136.6	146.3	156.8	160.8	174.5	191.5	204.4	218.2
80°	88.9	90.5	97.8	108.3	118.8	128.5	133.3	147.1	164.8	177.8	193.1
82.5°	61.4	63.8	72.7	84.0	94.5	105.0	109.9	122.8	139.0	153.5	168.1
85°	38.0	41.2	50.1	62.2	73.5	83.2	88.1	101.8	117.2	130.9	144.6
87.5°	17.8	22.6	31.5	43.6	55.8	63.8	69.5	83.2	97.8	111.5	125.2
90°	0.0	7.3	16.2	28.3	40.4	47.7	54.1	67.1	81.6	94.5	107.5
92.5°	1.6	8.1	17.8	29.1	41.2	48.5	54.9	67.9	81.6	94.5	107.5
95°	4.0	8.9	18.6	30.7	42.8	50.1	55.8	68.7	82.4	95.3	107.5
97.5°	7.3	11.3	21.0	32.3	44.4	50.9	57.4	70.3	83.2	96.2	108.3
100°	9.7	12.9	22.6	33.9	46.1	52.5	59.0	71.1	84.0	97.0	108.3
102.5°	12.1	16.2	25.0	35.6	47.7	54.1	59.8	71.9	84.8	97.0	108.3
105°	15.4	18.6	26.7	38.0	49.3	55.8	61.4	73.5	85.7	97.8	108.3
107.5°	18.6	21.0	29.1	39.6	50.9	56.6	62.2	74.3	86.5	97.8	108.3
110°	22.6	24.2	31.5	41.2	51.7	58.2	63.8	75.1	86.5	97.8	108.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.7	26.7	33.9	42.8	53.3	59.0	64.6	76.0	87.3	97.8	108.3
115°	29.9	30.7	36.4	44.4	54.9	60.6	65.5	76.0	87.3	97.8	107.5
117.5°	33.9	33.9	39.6	46.1	55.8	61.4	67.1	76.8	87.3	97.0	106.7
120°	38.0	37.2	42.0	48.5	57.4	62.2	67.9	77.6	87.3	97.0	105.9
122.5°	42.0	40.4	43.6	50.1	58.2	63.8	67.9	77.6	87.3	96.2	105.0
125°	45.3	43.6	46.1	52.5	59.8	64.6	68.7	77.6	87.3	95.3	104.2
127.5°	48.5	46.9	49.3	54.1	60.6	64.6	69.5	77.6	87.3	94.5	102.6
130°	51.7	49.3	52.5	55.8	62.2	65.5	69.5	77.6	86.5	93.7	101.0
132.5°	54.1	51.7	54.9	57.4	63.0	66.3	70.3	77.6	85.7	92.9	100.2
135°	55.8	53.3	57.4	59.0	64.6	67.9	71.1	77.6	84.8	92.1	98.6
137.5°	57.4	54.1	59.0	60.6	65.5	68.7	71.1	76.8	84.0	90.5	97.0
140°	58.2	55.8	60.6	62.2	64.6	67.9	71.1	76.0	82.4	88.9	94.5
142.5°	59.0	55.8	61.4	63.0	64.6	67.1	70.3	74.3	80.8	86.5	92.1
145°	59.0	56.6	61.4	63.0	64.6	66.3	68.7	73.5	78.4	83.2	88.9
147.5°	59.0	57.4	62.2	63.8	65.5	65.5	67.1	71.9	76.0	80.8	85.7
150°	59.8	57.4	62.2	63.8	66.3	66.3	67.1	69.5	74.3	77.6	81.6
152.5°	59.0	58.2	61.4	64.6	66.3	67.1	67.1	67.9	71.9	75.1	78.4
155°	59.8	59.8	62.2	66.3	67.1	67.1	67.9	67.1	68.7	71.9	75.1
157.5°	61.4	63.0	63.0	67.1	68.7	68.7	69.5	68.7	67.9	68.7	71.9
160°	63.8	65.5	65.5	67.9	70.3	70.3	71.1	70.3	69.5	68.7	68.7
162.5°	66.3	67.9	67.9	68.7	71.1	71.9	72.7	71.9	71.1	69.5	68.7
165°	68.7	70.3	70.3	70.3	71.9	72.7	73.5	72.7	72.7	71.1	70.3
167.5°	71.1	72.7	72.7	71.9	72.7	73.5	74.3	73.5	73.5	72.7	71.1
170°	73.5	75.1	75.1	73.5	74.3	74.3	75.1	74.3	74.3	72.7	71.9
172.5°	75.1	76.8	76.0	75.1	75.1	75.1	75.1	74.3	73.5	71.9	71.9
175°	76.0	77.6	77.6	76.0	75.1	75.1	76.0	74.3	73.5	72.7	71.1
177.5°	76.0	77.6	77.6	76.0	76.0	75.1	76.0	75.1	75.1	73.5	71.9
180°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8
2.5°	881.6	880.8	875.9	881.6	881.6	880.0	886.4	885.6	884.8	883.2
5°	878.3	877.5	872.7	878.3	878.3	877.5	884.0	884.8	885.6	884.0
7.5°	873.5	872.7	867.8	873.5	873.5	872.7	880.0	880.8	881.6	879.2
10°	866.2	865.4	860.6	866.2	867.0	866.2	871.9	872.7	874.3	871.1
12.5°	856.5	856.5	851.7	857.3	858.1	857.3	863.0	864.6	866.2	862.2
15°	844.4	845.2	841.2	846.8	847.6	847.6	853.3	854.1	856.5	850.9
17.5°	829.9	831.5	828.2	833.9	834.7	835.5	838.8	841.2	843.6	837.1
20°	814.5	815.3	812.9	817.7	819.4	818.5	822.6	825.8	828.2	821.8
22.5°	795.9	796.7	794.3	799.2	800.8	801.6	804.8	808.9	810.5	804.8
25°	774.9	778.1	776.5	781.4	783.0	783.0	786.2	790.3	792.7	784.6
27.5°	754.7	758.8	757.1	762.0	763.6	764.4	766.0	770.9	773.3	766.0
30°	732.1	736.9	736.1	741.0	742.6	741.8	745.0	749.9	753.1	745.0
32.5°	707.0	713.5	712.7	719.2	720.8	721.6	724.0	730.5	733.7	726.4
35°	682.8	690.1	690.9	698.2	700.6	701.4	704.6	711.1	714.3	707.0
37.5°	657.7	667.4	669.9	677.1	679.6	680.4	683.6	690.9	694.1	686.8
40°	633.5	644.8	648.1	654.5	656.9	659.4	661.8	669.1	673.1	665.8
42.5°	609.3	621.4	625.4	631.9	634.3	636.7	640.0	648.1	651.3	644.8
45°	584.2	597.1	602.0	608.5	611.7	614.1	617.3	624.6	628.7	622.2
47.5°	559.2	572.1	576.9	584.2	587.4	590.7	593.1	602.0	606.0	599.6
50°	532.5	547.0	552.7	559.2	564.0	566.4	569.7	577.8	581.8	576.1
52.5°	505.8	521.2	527.7	534.1	539.0	543.0	544.6	553.5	557.6	551.9
55°	478.4	493.7	501.0	508.3	513.1	518.0	519.6	528.5	532.5	524.4
57.5°	450.9	467.0	474.3	482.4	486.4	492.1	494.5	502.6	506.6	501.0
60°	423.4	438.8	447.7	454.9	460.6	465.4	467.0	475.9	480.0	472.7
62.5°	395.1	411.3	420.2	428.3	433.1	438.8	441.2	449.3	452.5	445.2
65°	366.0	382.2	391.9	399.2	405.6	410.5	412.1	421.0	424.2	417.0
67.5°	337.0	353.1	363.6	371.7	377.4	383.0	384.6	393.5	396.8	391.1
70°	308.7	324.8	335.3	345.0	349.1	354.7	357.2	365.2	368.5	363.6
72.5°	280.4	296.6	307.9	317.6	321.6	327.3	330.5	337.0	341.8	337.8
75°	252.9	269.1	280.4	290.1	294.1	299.8	303.0	309.5	312.7	309.5
77.5°	226.3	242.4	252.9	262.6	267.5	272.3	275.5	282.0	286.0	282.8
80°	200.4	216.6	227.1	235.9	240.8	245.6	248.9	256.2	259.4	257.0
82.5°	176.2	191.5	202.8	211.7	216.6	221.4	224.6	231.1	235.1	231.9
85°	154.3	169.7	180.2	189.1	193.1	198.0	201.2	207.7	210.9	209.3
87.5°	133.3	147.1	159.2	168.1	172.1	177.0	181.0	185.9	189.9	187.5
90°	117.2	129.3	140.6	149.5	154.3	159.2	164.0	168.9	172.1	170.5
92.5°	118.0	129.3	139.8	147.9	152.7	157.6	162.4	168.1	170.5	168.9
95°	118.0	129.3	139.8	147.9	152.7	157.6	162.4	168.1	170.5	168.9
97.5°	118.0	129.3	139.8	147.9	152.7	157.6	162.4	168.1	170.5	168.1
100°	118.0	129.3	139.8	147.9	152.7	156.8	161.6	167.3	169.7	168.1
102.5°	118.0	129.3	139.0	147.1	151.9	156.0	160.8	166.5	168.9	167.3
105°	118.0	128.5	139.0	146.3	151.1	155.1	160.0	164.8	167.3	165.6
107.5°	117.2	127.7	137.4	145.4	149.5	153.5	158.4	163.2	165.6	164.0
110°	117.2	126.9	136.6	143.8	147.9	151.9	156.8	161.6	164.0	162.4





TEST NUMBER: P893517  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	116.4	126.1	135.8	142.2	146.3	150.3	154.3	160.0	162.4	160.8
115°	115.6	125.2	134.1	140.6	144.6	147.9	152.7	158.4	160.0	159.2
117.5°	114.7	123.6	132.5	139.0	143.0	146.3	150.3	155.1	157.6	156.8
120°	113.9	122.0	130.9	136.6	140.6	143.8	147.1	151.9	154.3	152.7
122.5°	112.3	120.4	129.3	134.9	138.2	141.4	144.6	148.7	151.1	150.3
125°	110.7	118.8	126.9	132.5	135.8	138.2	141.4	145.4	147.1	146.3
127.5°	109.1	117.2	124.4	129.3	133.3	135.8	138.2	142.2	143.8	143.0
130°	107.5	114.7	122.0	126.9	130.1	132.5	134.9	139.0	139.8	139.8
132.5°	105.9	112.3	119.6	124.4	127.7	129.3	131.7	134.9	136.6	135.8
135°	104.2	109.9	117.2	121.2	123.6	126.1	128.5	131.7	132.5	132.5
137.5°	101.8	107.5	113.9	118.0	120.4	122.0	124.4	127.7	128.5	128.5
140°	99.4	105.0	110.7	113.9	117.2	118.8	120.4	123.6	124.4	124.4
142.5°	97.0	101.8	107.5	110.7	113.9	114.7	117.2	119.6	120.4	120.4
145°	93.7	99.4	104.2	107.5	109.9	110.7	113.1	115.6	115.6	116.4
147.5°	89.7	94.5	101.0	103.4	105.9	106.7	109.1	110.7	111.5	111.5
150°	85.7	90.5	96.2	100.2	102.6	103.4	104.2	106.7	106.7	107.5
152.5°	81.6	85.7	91.3	95.3	98.6	99.4	100.2	101.8	101.8	102.6
155°	77.6	80.8	85.7	89.7	92.9	94.5	96.2	97.8	97.8	98.6
157.5°	74.3	77.6	81.6	84.8	87.3	89.7	92.1	93.7	93.7	93.7
160°	70.3	72.7	76.8	79.2	82.4	84.0	88.1	89.7	89.7	90.5
162.5°	67.9	68.7	71.1	73.5	76.0	77.6	81.6	85.7	85.7	86.5
165°	68.7	67.9	68.7	69.5	71.1	71.9	74.3	80.0	81.6	82.4
167.5°	70.3	67.9	67.9	67.9	69.5	69.5	71.9	75.1	80.8	79.2
170°	70.3	67.9	66.3	66.3	67.1	66.3	67.9	70.3	73.5	76.8
172.5°	71.1	68.7	66.3	63.0	63.8	63.0	61.4	61.4	62.2	72.7
175°	70.3	68.7	65.5	61.4	60.6	58.2	53.3	49.3	46.9	36.4
177.5°	69.5	67.1	64.6	61.4	59.8	57.4	51.7	45.3	38.8	37.2
180°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3



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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	14.08	15.39	14.69	16.03	16.75	16.63	17.95	17.24	18.58	19.30
	3H	15.48	16.68	16.11	17.32	18.08	19.05	20.25	19.68	20.90	21.65
	4H	15.91	17.05	16.56	17.70	18.47	20.20	21.33	20.84	21.99	22.76
	6H	16.15	17.20	16.81	17.87	18.65	21.33	22.39	21.99	23.05	23.84
	8H	16.19	17.20	16.86	17.89	18.68	21.89	22.90	22.56	23.59	24.38
	12H	16.20	17.17	16.88	17.85	18.67	22.47	23.44	23.15	24.12	24.94
4H	2H	14.96	16.10	15.61	16.76	17.53	16.97	18.11	17.63	18.77	19.54
	3H	16.59	17.56	17.25	18.25	19.04	19.61	20.57	20.27	21.27	22.05
	4H	17.14	18.03	17.82	18.73	19.54	20.90	21.78	21.58	22.48	23.30
	6H	17.48	18.26	18.18	18.98	19.81	22.21	22.99	22.91	23.71	24.53
	8H	17.56	18.29	18.26	19.01	19.85	22.87	23.60	23.57	24.32	25.16
	12H	17.59	18.25	18.31	19.00	19.84	23.57	24.23	24.29	24.97	25.82
8H	4H	17.79	18.52	18.50	19.24	20.08	21.05	21.78	21.75	22.50	23.34
	6H	18.30	18.92	19.03	19.68	20.52	22.50	23.12	23.24	23.88	24.73
	8H	18.45	19.01	19.20	19.77	20.63	23.28	23.84	24.03	24.60	25.46
	12H	18.54	19.04	19.29	19.79	20.71	24.15	24.64	24.89	25.39	26.31
12H	4H	17.96	18.62	18.68	19.36	20.21	21.04	21.70	21.76	22.45	23.29
	6H	18.56	19.11	19.30	19.87	20.73	22.52	23.08	23.27	23.84	24.70
	8H	18.79	19.28	19.54	20.04	20.95	23.35	23.85	24.10	24.60	25.52