

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: P893403

Luminaire Tested: 4MB-3SL-FLTU-UNV-L840

Issue Date: 11/11/2024

**Test Information**

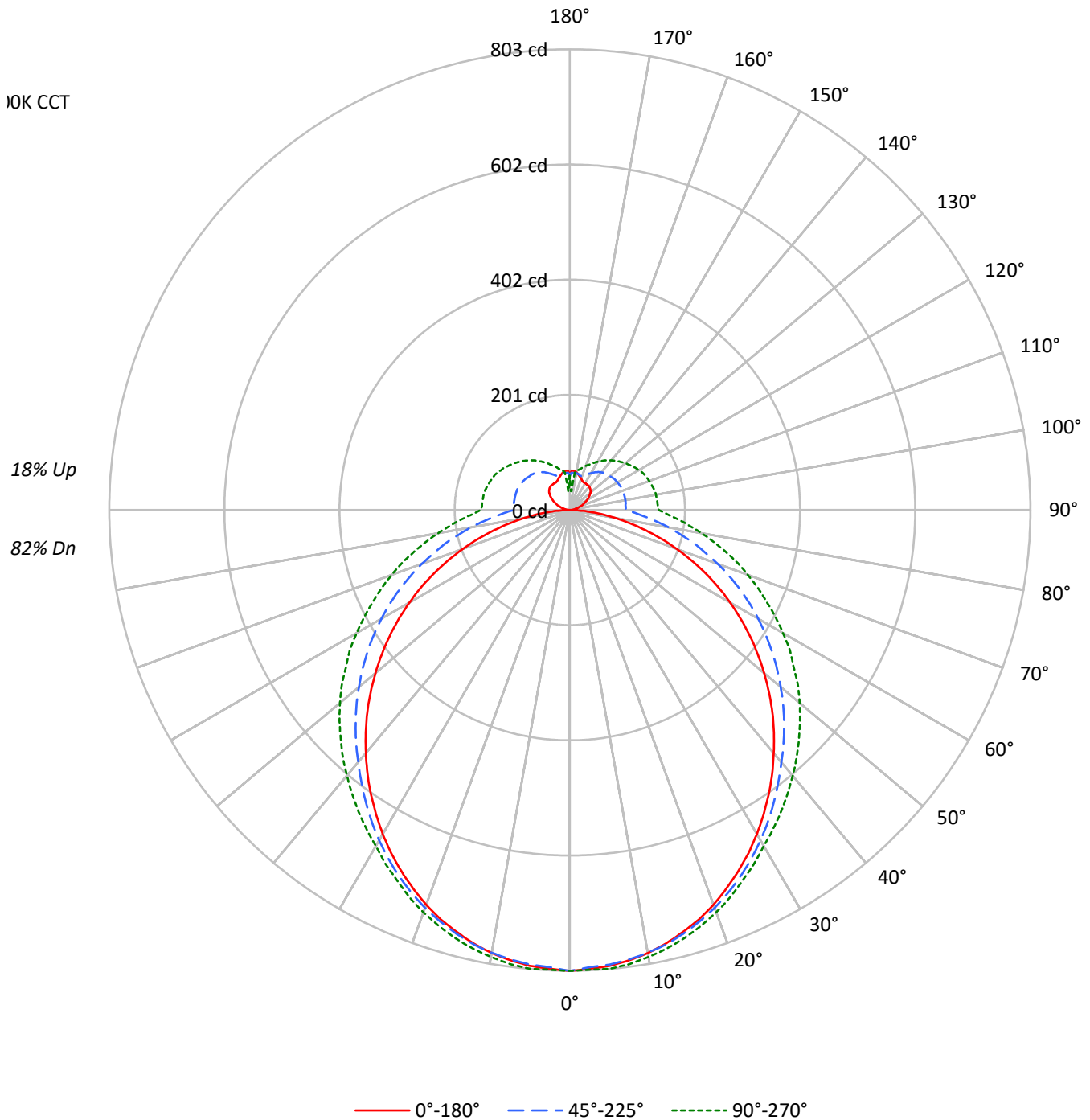
Test Method: LM-79-2019  
Report Number: P893403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-FLTU-UNV-L840  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 400  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3037.0 lumens  
Efficiency: N/A  
Efficacy: 143.9 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: P893403  
CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L840

### 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°	5715	5715	5715
5°	5670	5477	5470
10°	5615	5266	5211
15°	5532	5056	4962
20°	5440	4840	4710
25°	5325	4616	4455
30°	5201	4386	4222
35°	5065	4156	4029
40°	4922	3929	3846
45°	4777	3731	3672
50°	4609	3527	3503
55°	4429	3325	3313
60°	4212	3111	3134
65°	3954	2884	2930
70°	3616	2635	2741
75°	3155	2381	2537
80°	2550	2108	2327
85°	1762	1832	2136

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4777 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	2.5
10°-20°	216.7	7.1
20°-30°	325.5	10.7
30°-40°	390.9	12.9
40°-50°	411.0	13.5
50°-60°	386.2	12.7
60°-70°	321.1	10.6
70°-80°	229.1	7.5
80°-90°	136.4	4.5
90°-100°	98.7	3.3
100°-110°	97.4	3.2
110°-120°	91.5	3.0
120°-130°	81.1	2.7
130°-140°	67.2	2.2
140°-150°	50.3	1.7
150°-160°	33.1	1.1
160°-170°	18.8	0.6
170°-180°	6.0	0.2
0°-30°	618.2	20.4
0°-40°	1009.0	33.2
0°-60°	1806.3	59.5
0°-90°	2492.9	82.1
90°-120°	287.7	9.5
90°-150°	486.3	16.0
90°-180°	544.0	17.9
0°-180°	3037.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	798	807	795	798	803	76
15°	762	773	764	770	772	215
25°	695	708	704	711	712	320
35°	604	618	621	636	642	378
45°	500	514	528	555	565	385
55°	384	399	431	466	476	343
65°	261	282	327	368	379	258
75°	137	168	224	267	281	146
85°	34	76	131	175	190	38
90°	0	43	98	140	155	2
95°	4	46	98	139	153	4
105°	14	51	98	137	150	15
115°	27	55	98	131	144	27
125°	41	59	95	123	133	37
135°	51	62	90	112	120	39
145°	54	60	81	100	106	34
155°	54	61	68	84	90	25
165°	62	66	64	65	75	18
175°	69	68	65	55	33	6
180°	60	60	60	60	60	



TEST NUMBER: P893403  
 CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3
2.5°	800.4	802.6	803.3	810.7	807.7	810.7	805.5	799.7	798.2	801.9	797.5
5°	797.5	799.7	800.4	807.7	804.8	807.0	802.6	796.7	795.3	799.7	795.3
7.5°	791.6	793.8	794.5	802.6	798.9	801.9	796.7	790.9	790.1	794.5	790.1
10°	784.3	786.5	787.2	794.5	791.6	794.5	789.4	783.5	782.8	787.9	783.5
12.5°	774.0	776.2	777.7	785.0	781.3	785.0	779.1	773.3	774.0	778.4	775.5
15°	761.5	764.5	765.2	772.5	769.6	773.3	767.4	761.5	763.0	767.4	764.5
17.5°	748.3	751.2	752.0	758.6	755.7	760.1	753.5	748.3	749.8	754.2	752.0
20°	732.2	735.1	736.6	743.2	740.2	744.6	738.0	733.6	735.1	740.2	738.0
22.5°	713.8	718.2	719.0	726.3	722.6	727.0	720.4	716.8	719.0	724.1	721.9
25°	694.8	699.2	699.9	707.2	704.3	708.0	701.4	697.7	700.6	705.8	704.3
27.5°	674.2	678.6	680.1	686.7	683.8	688.2	680.8	678.6	681.6	686.7	685.2
30°	652.2	656.6	657.3	663.9	661.7	666.1	659.5	656.6	661.0	666.1	664.7
32.5°	628.7	633.1	635.3	641.2	639.0	642.7	636.8	635.3	639.0	644.1	643.4
35°	604.5	608.9	611.1	617.7	614.8	618.5	612.6	611.1	617.0	620.7	620.7
37.5°	579.6	584.0	586.2	592.8	589.1	593.5	587.6	586.9	593.5	597.2	597.2
40°	553.2	558.3	560.5	566.4	563.4	567.1	562.0	562.7	568.6	573.0	573.7
42.5°	526.8	531.9	534.1	540.7	537.0	540.7	536.3	537.0	543.6	548.0	551.7
45°	499.6	504.0	506.2	513.5	509.1	513.5	509.1	510.6	517.2	523.8	528.2
47.5°	471.0	475.4	479.1	484.9	481.3	484.9	482.0	484.2	492.3	498.9	504.7
50°	442.4	446.8	450.5	455.6	451.9	457.1	453.4	456.3	466.6	473.2	479.8
52.5°	413.0	416.7	422.6	425.5	422.6	428.4	425.5	429.9	440.2	448.3	455.6
55°	383.7	387.4	393.2	395.4	392.5	399.1	396.9	402.8	413.8	422.6	430.6
57.5°	353.6	357.3	362.4	364.6	362.4	369.8	369.0	375.6	386.6	396.2	405.0
60°	322.8	326.5	330.9	333.1	333.1	340.4	340.4	348.5	360.2	369.0	379.3
62.5°	292.7	294.9	299.3	302.3	304.5	311.8	311.8	320.6	333.1	343.3	353.6
65°	261.2	263.4	267.0	270.7	274.4	282.5	283.2	292.7	305.2	315.5	327.2
67.5°	229.6	231.8	235.5	239.9	245.0	253.1	254.6	264.8	278.1	289.8	300.8
70°	198.8	199.6	204.0	209.8	215.7	223.8	226.0	237.0	250.9	262.6	274.4
72.5°	168.0	168.7	173.1	180.5	187.1	195.9	198.8	210.6	224.5	236.2	248.0
75°	137.2	137.9	143.8	152.6	159.9	168.0	171.7	184.1	198.1	210.6	223.8
77.5°	107.8	109.3	115.2	124.0	132.8	142.3	146.0	158.5	173.9	185.6	198.1
80°	80.7	82.2	88.8	98.3	107.8	116.6	121.1	133.5	149.7	161.4	175.3
82.5°	55.8	58.0	66.0	76.3	85.8	95.4	99.8	111.5	126.2	139.4	152.6
85°	34.5	37.4	45.5	56.5	66.8	75.6	80.0	92.4	106.4	118.8	131.3
87.5°	16.1	20.5	28.6	39.6	50.6	58.0	63.1	75.6	88.8	101.2	113.7
90°	0.0	6.6	14.7	25.7	36.7	43.3	49.2	60.9	74.1	85.8	97.6
92.5°	1.5	7.3	16.1	26.4	37.4	44.0	49.9	61.6	74.1	85.8	97.6
95°	3.7	8.1	16.9	27.9	38.9	45.5	50.6	62.4	74.8	86.6	97.6
97.5°	6.6	10.3	19.1	29.3	40.4	46.2	52.1	63.8	75.6	87.3	98.3
100°	8.8	11.7	20.5	30.8	41.8	47.7	53.6	64.6	76.3	88.0	98.3
102.5°	11.0	14.7	22.7	32.3	43.3	49.2	54.3	65.3	77.0	88.0	98.3
105°	13.9	16.9	24.2	34.5	44.8	50.6	55.8	66.8	77.8	88.8	98.3
107.5°	16.9	19.1	26.4	35.9	46.2	51.4	56.5	67.5	78.5	88.8	98.3
110°	20.5	22.0	28.6	37.4	47.0	52.8	58.0	68.2	78.5	88.8	98.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	24.2	24.2	30.8	38.9	48.4	53.6	58.7	69.0	79.2	88.8	98.3
115°	27.1	27.9	33.0	40.4	49.9	55.0	59.4	69.0	79.2	88.8	97.6
117.5°	30.8	30.8	35.9	41.8	50.6	55.8	60.9	69.7	79.2	88.0	96.8
120°	34.5	33.7	38.1	44.0	52.1	56.5	61.6	70.4	79.2	88.0	96.1
122.5°	38.1	36.7	39.6	45.5	52.8	58.0	61.6	70.4	79.2	87.3	95.4
125°	41.1	39.6	41.8	47.7	54.3	58.7	62.4	70.4	79.2	86.6	94.6
127.5°	44.0	42.6	44.8	49.2	55.0	58.7	63.1	70.4	79.2	85.8	93.2
130°	47.0	44.8	47.7	50.6	56.5	59.4	63.1	70.4	78.5	85.1	91.7
132.5°	49.2	47.0	49.9	52.1	57.2	60.2	63.8	70.4	77.8	84.4	91.0
135°	50.6	48.4	52.1	53.6	58.7	61.6	64.6	70.4	77.0	83.6	89.5
137.5°	52.1	49.2	53.6	55.0	59.4	62.4	64.6	69.7	76.3	82.2	88.0
140°	52.8	50.6	55.0	56.5	58.7	61.6	64.6	69.0	74.8	80.7	85.8
142.5°	53.6	50.6	55.8	57.2	58.7	60.9	63.8	67.5	73.4	78.5	83.6
145°	53.6	51.4	55.8	57.2	58.7	60.2	62.4	66.8	71.2	75.6	80.7
147.5°	53.6	52.1	56.5	58.0	59.4	59.4	60.9	65.3	69.0	73.4	77.8
150°	54.3	52.1	56.5	58.0	60.2	60.2	60.9	63.1	67.5	70.4	74.1
152.5°	53.6	52.8	55.8	58.7	60.2	60.9	60.9	61.6	65.3	68.2	71.2
155°	54.3	54.3	56.5	60.2	60.9	60.9	61.6	60.9	62.4	65.3	68.2
157.5°	55.8	57.2	57.2	60.9	62.4	62.4	63.1	62.4	61.6	62.4	65.3
160°	58.0	59.4	59.4	61.6	63.8	63.8	64.6	63.8	63.1	62.4	62.4
162.5°	60.2	61.6	61.6	62.4	64.6	65.3	66.0	65.3	64.6	63.1	62.4
165°	62.4	63.8	63.8	63.8	65.3	66.0	66.8	66.0	66.0	64.6	63.8
167.5°	64.6	66.0	66.0	65.3	66.0	66.8	67.5	66.8	66.8	66.0	64.6
170°	66.8	68.2	68.2	66.8	67.5	67.5	68.2	67.5	67.5	66.0	65.3
172.5°	68.2	69.7	69.0	68.2	68.2	68.2	68.2	67.5	66.8	65.3	65.3
175°	69.0	70.4	70.4	69.0	68.2	68.2	69.0	67.5	66.8	66.0	64.6
177.5°	69.0	70.4	70.4	69.0	69.0	68.2	69.0	68.2	68.2	66.8	65.3
180°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3	803.3
2.5°	800.4	799.7	795.3	800.4	800.4	798.9	804.8	804.1	803.3	801.9
5°	797.5	796.7	792.3	797.5	797.5	796.7	802.6	803.3	804.1	802.6
7.5°	793.1	792.3	787.9	793.1	793.1	792.3	798.9	799.7	800.4	798.2
10°	786.5	785.7	781.3	786.5	787.2	786.5	791.6	792.3	793.8	790.9
12.5°	777.7	777.7	773.3	778.4	779.1	778.4	783.5	785.0	786.5	782.8
15°	766.7	767.4	763.7	768.9	769.6	769.6	774.7	775.5	777.7	772.5
17.5°	753.5	754.9	752.0	757.1	757.9	758.6	761.5	763.7	765.9	760.1
20°	739.5	740.2	738.0	742.4	743.9	743.2	746.8	749.8	752.0	746.1
22.5°	722.6	723.4	721.2	725.6	727.0	727.8	730.7	734.4	735.8	730.7
25°	703.6	706.5	705.0	709.4	710.9	710.9	713.8	717.5	719.7	712.4
27.5°	685.2	688.9	687.4	691.8	693.3	694.0	695.5	699.9	702.1	695.5
30°	664.7	669.1	668.3	672.7	674.2	673.5	676.4	680.8	683.8	676.4
32.5°	641.9	647.8	647.1	652.9	654.4	655.1	657.3	663.2	666.1	659.5
35°	619.9	626.5	627.3	633.9	636.1	636.8	639.7	645.6	648.5	641.9
37.5°	597.2	606.0	608.2	614.8	617.0	617.7	620.7	627.3	630.2	623.6
40°	575.2	585.4	588.4	594.2	596.5	598.7	600.9	607.5	611.1	604.5
42.5°	553.2	564.2	567.8	573.7	575.9	578.1	581.0	588.4	591.3	585.4
45°	530.4	542.2	546.6	552.4	555.4	557.6	560.5	567.1	570.8	564.9
47.5°	507.7	519.4	523.8	530.4	533.4	536.3	538.5	546.6	550.2	544.4
50°	483.5	496.7	501.8	507.7	512.1	514.3	517.2	524.6	528.2	523.1
52.5°	459.3	473.2	479.1	484.9	489.3	493.0	494.5	502.5	506.2	501.1
55°	434.3	448.3	454.9	461.5	465.9	470.3	471.7	479.8	483.5	476.1
57.5°	409.4	424.0	430.6	438.0	441.7	446.8	449.0	456.3	460.0	454.9
60°	384.4	398.4	406.4	413.0	418.2	422.6	424.0	432.1	435.8	429.2
62.5°	358.8	373.4	381.5	388.8	393.2	398.4	400.6	407.9	410.8	404.2
65°	332.3	347.0	355.8	362.4	368.3	372.7	374.2	382.2	385.2	378.6
67.5°	305.9	320.6	330.1	337.5	342.6	347.7	349.2	357.3	360.2	355.1
70°	280.3	294.9	304.5	313.3	316.9	322.1	324.3	331.6	334.5	330.1
72.5°	254.6	269.2	279.5	288.3	292.0	297.1	300.1	305.9	310.3	306.7
75°	229.6	244.3	254.6	263.4	267.0	272.2	275.1	281.0	283.9	281.0
77.5°	205.4	220.1	229.6	238.4	242.8	247.2	250.2	256.0	259.7	256.8
80°	181.9	196.6	206.2	214.2	218.6	223.0	226.0	232.6	235.5	233.3
82.5°	159.9	173.9	184.1	192.2	196.6	201.0	204.0	209.8	213.5	210.6
85°	140.1	154.1	163.6	171.7	175.3	179.7	182.7	188.5	191.5	190.0
87.5°	121.1	133.5	144.5	152.6	156.3	160.7	164.3	168.7	172.4	170.2
90°	106.4	117.4	127.7	135.7	140.1	144.5	148.9	153.3	156.3	154.8
92.5°	107.1	117.4	126.9	134.3	138.7	143.1	147.5	152.6	154.8	153.3
95°	107.1	117.4	126.9	134.3	138.7	143.1	147.5	152.6	154.8	153.3
97.5°	107.1	117.4	126.9	134.3	138.7	143.1	147.5	152.6	154.8	152.6
100°	107.1	117.4	126.9	134.3	138.7	142.3	146.7	151.9	154.1	152.6
102.5°	107.1	117.4	126.2	133.5	137.9	141.6	146.0	151.1	153.3	151.9
105°	107.1	116.6	126.2	132.8	137.2	140.9	145.3	149.7	151.9	150.4
107.5°	106.4	115.9	124.7	132.1	135.7	139.4	143.8	148.2	150.4	148.9
110°	106.4	115.2	124.0	130.6	134.3	137.9	142.3	146.7	148.9	147.5





TEST NUMBER: P893403  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	105.6	114.4	123.3	129.1	132.8	136.5	140.1	145.3	147.5	146.0
115°	104.9	113.7	121.8	127.7	131.3	134.3	138.7	143.8	145.3	144.5
117.5°	104.2	112.2	120.3	126.2	129.9	132.8	136.5	140.9	143.1	142.3
120°	103.4	110.8	118.8	124.0	127.7	130.6	133.5	137.9	140.1	138.7
122.5°	102.0	109.3	117.4	122.5	125.5	128.4	131.3	135.0	137.2	136.5
125°	100.5	107.8	115.2	120.3	123.3	125.5	128.4	132.1	133.5	132.8
127.5°	99.0	106.4	113.0	117.4	121.1	123.3	125.5	129.1	130.6	129.9
130°	97.6	104.2	110.8	115.2	118.1	120.3	122.5	126.2	126.9	126.9
132.5°	96.1	102.0	108.6	113.0	115.9	117.4	119.6	122.5	124.0	123.3
135°	94.6	99.8	106.4	110.0	112.2	114.4	116.6	119.6	120.3	120.3
137.5°	92.4	97.6	103.4	107.1	109.3	110.8	113.0	115.9	116.6	116.6
140°	90.2	95.4	100.5	103.4	106.4	107.8	109.3	112.2	113.0	113.0
142.5°	88.0	92.4	97.6	100.5	103.4	104.2	106.4	108.6	109.3	109.3
145°	85.1	90.2	94.6	97.6	99.8	100.5	102.7	104.9	104.9	105.6
147.5°	81.4	85.8	91.7	93.9	96.1	96.8	99.0	100.5	101.2	101.2
150°	77.8	82.2	87.3	91.0	93.2	93.9	94.6	96.8	96.8	97.6
152.5°	74.1	77.8	82.9	86.6	89.5	90.2	91.0	92.4	92.4	93.2
155°	70.4	73.4	77.8	81.4	84.4	85.8	87.3	88.8	88.8	89.5
157.5°	67.5	70.4	74.1	77.0	79.2	81.4	83.6	85.1	85.1	85.1
160°	63.8	66.0	69.7	71.9	74.8	76.3	80.0	81.4	81.4	82.2
162.5°	61.6	62.4	64.6	66.8	69.0	70.4	74.1	77.8	77.8	78.5
165°	62.4	61.6	62.4	63.1	64.6	65.3	67.5	72.6	74.1	74.8
167.5°	63.8	61.6	61.6	61.6	63.1	63.1	65.3	68.2	73.4	71.9
170°	63.8	61.6	60.2	60.2	60.9	60.2	61.6	63.8	66.8	69.7
172.5°	64.6	62.4	60.2	57.2	58.0	57.2	55.8	55.8	56.5	66.0
175°	63.8	62.4	59.4	55.8	55.0	52.8	48.4	44.8	42.6	33.0
177.5°	63.1	60.9	58.7	55.8	54.3	52.1	47.0	41.1	35.2	33.7
180°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2



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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	13.74	15.06	14.35	15.69	16.41	16.29	17.61	16.91	18.24	18.97
	3H	15.14	16.34	15.77	16.99	17.74	18.72	19.92	19.35	20.56	21.32
	4H	15.57	16.71	16.22	17.37	18.14	19.86	21.00	20.51	21.65	22.42
	6H	15.81	16.87	16.47	17.53	18.32	21.00	22.05	21.66	22.72	23.50
	8H	15.85	16.87	16.53	17.55	18.34	21.56	22.57	22.23	23.25	24.04
	12H	15.86	16.83	16.54	17.51	18.33	22.14	23.11	22.82	23.79	24.61
4H	2H	14.63	15.77	15.28	16.42	17.19	16.64	17.78	17.29	18.43	19.20
	3H	16.25	17.22	16.92	17.91	18.70	19.27	20.24	19.93	20.93	21.72
	4H	16.81	17.69	17.49	18.39	19.21	20.56	21.45	21.24	22.14	22.96
	6H	17.15	17.93	17.85	18.65	19.47	21.87	22.65	22.57	23.37	24.20
	8H	17.22	17.96	17.93	18.67	19.51	22.53	23.26	23.23	23.98	24.82
	12H	17.25	17.92	17.98	18.66	19.51	23.23	23.89	23.96	24.64	25.48
8H	4H	17.46	18.19	18.16	18.91	19.75	20.71	21.45	21.42	22.16	23.01
	6H	17.96	18.58	18.70	19.34	20.18	22.17	22.79	22.90	23.55	24.39
	8H	18.12	18.67	18.86	19.43	20.29	22.95	23.50	23.69	24.27	25.12
	12H	18.21	18.70	18.96	19.45	20.37	23.81	24.30	24.56	25.06	25.97
12H	4H	17.62	18.29	18.35	19.03	19.87	20.70	21.37	21.43	22.11	22.96
	6H	18.22	18.78	18.96	19.54	20.39	22.19	22.74	22.93	23.50	24.36
	8H	18.45	18.95	19.20	19.70	20.62	23.02	23.51	23.77	24.27	25.18