

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: P893448

Luminaire Tested: 4MB-3SL-RND-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893448
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-L950
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

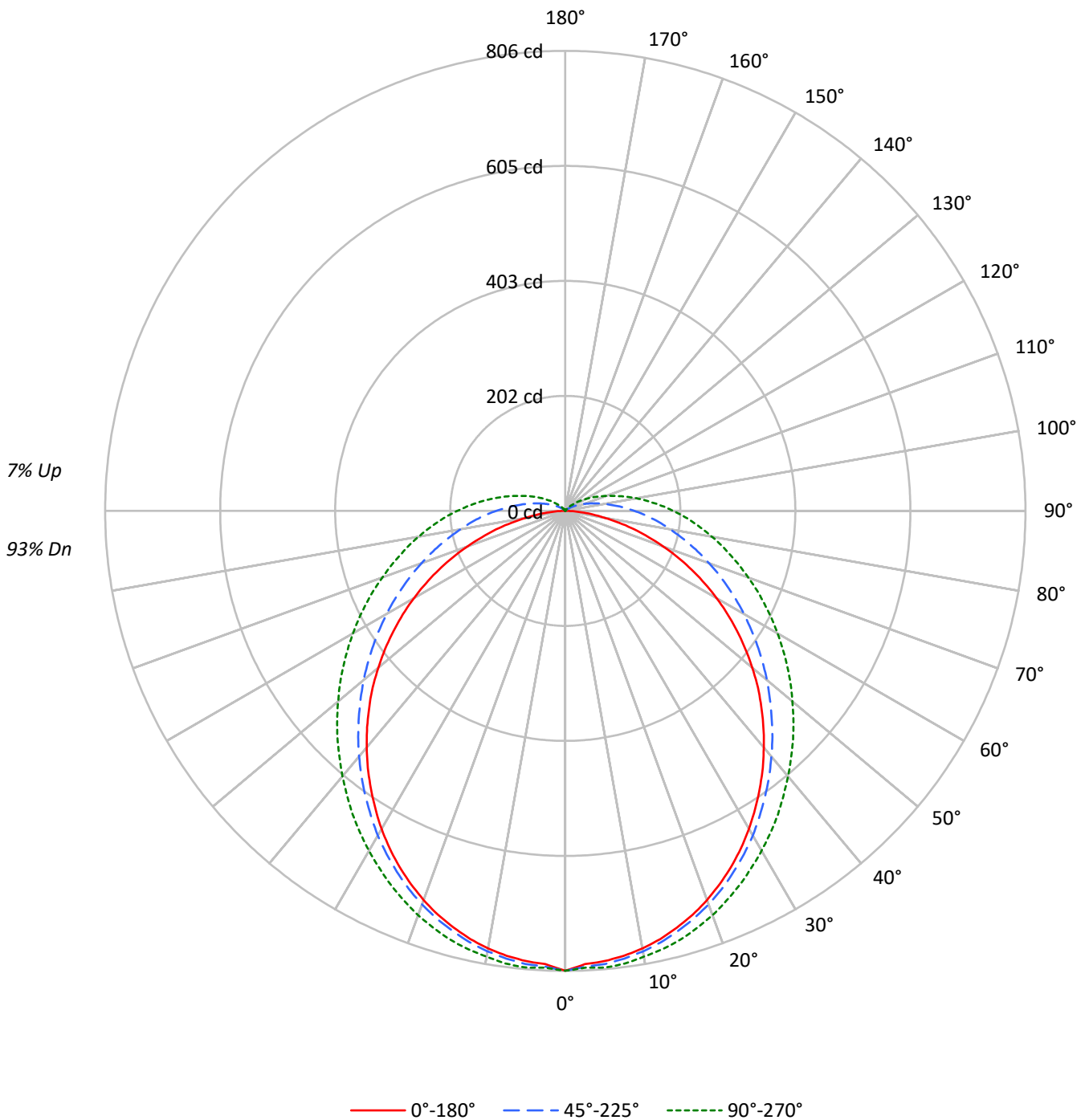
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.0 lumens
Efficiency: N/A
Efficacy: 126.4 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 (Ain): 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

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CATALOG NUMBER: 4MB-3SL-RND-UNV-L950

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	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°	5732	5732	5732
5°	5655	5691	5736
10°	5624	5661	5729
15°	5567	5614	5730
20°	5494	5556	5708
25°	5399	5478	5677
30°	5288	5397	5650
35°	5158	5300	5640
40°	5024	5217	5639
45°	4884	5144	5677
50°	4731	5101	5749
55°	4559	5091	5888
60°	4360	5140	6109
65°	4118	5275	6473
70°	3815	5573	7094
75°	3447	6205	8231
80°	2917	7646	10694
85°	2367	12458	18319

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 33732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	2.9
10°-20°	217.1	8.1
20°-30°	325.0	12.2
30°-40°	387.6	14.5
40°-50°	402.0	15.1
50°-60°	372.9	14.0
60°-70°	311.1	11.7
70°-80°	231.9	8.7
80°-90°	154.4	5.8
90°-100°	94.0	3.5
100°-110°	52.5	2.0
110°-120°	26.2	1.0
120°-130°	11.0	0.4
130°-140°	3.4	0.1
140°-150°	0.8	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	618.3	23.2
0°-40°	1005.9	37.7
0°-60°	1780.8	66.8
0°-90°	2478.3	92.9
90°-120°	172.7	6.5
90°-150°	188.0	7.0
90°-180°	189.0	7.1
0°-180°	2667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	792	810	797	801	803	75
15°	756	775	762	776	778	213
25°	688	706	698	717	723	317
35°	594	610	610	640	649	371
45°	485	498	511	552	564	375
55°	368	380	410	458	475	329
65°	245	264	313	366	384	242
75°	125	160	226	280	299	133
85°	29	79	153	205	224	33
90°	1	52	121	171	189	2
95°	0	32	93	140	156	0
105°	0	10	51	86	100	0
115°	1	2	24	48	58	1
125°	1	1	10	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: P893448

CATALOG NUMBER: 4MB-3SL-RND-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	794.9	796.2	807.5	806.9	805.0	812.6	814.5	808.2	798.1	808.2	799.3
5°	791.8	793.0	804.4	803.7	801.8	810.0	810.7	805.0	794.9	805.0	796.8
7.5°	786.1	787.3	798.7	798.1	796.8	805.0	804.4	800.0	789.2	800.0	791.1
10°	778.5	779.2	791.1	789.9	789.2	797.4	795.5	791.8	781.0	791.8	783.6
12.5°	768.4	769.1	781.0	779.8	779.8	787.3	784.8	781.7	771.0	781.0	774.1
15°	755.8	756.5	767.8	767.2	767.2	775.4	771.6	769.1	759.0	769.7	762.1
17.5°	742.0	741.3	753.3	752.0	753.3	760.9	755.8	754.6	745.1	755.2	748.9
20°	725.6	725.6	736.3	735.7	737.5	744.5	738.2	738.8	729.4	740.1	733.8
22.5°	707.3	706.7	717.4	717.4	719.3	726.2	719.3	721.2	711.7	721.8	716.7
25°	687.7	686.5	697.2	697.2	700.4	706.0	698.5	701.0	692.2	702.2	697.8
27.5°	666.3	664.4	675.1	675.8	678.3	684.0	675.8	679.6	671.4	680.8	677.7
30°	643.6	641.7	652.4	653.1	656.2	660.6	652.4	657.5	649.9	659.4	656.9
32.5°	619.0	617.8	627.9	629.1	632.3	635.4	627.9	632.9	626.6	636.1	633.5
35°	593.8	592.6	602.0	603.9	607.1	609.6	601.4	608.3	602.6	611.5	610.2
37.5°	568.0	566.1	576.2	577.4	581.2	582.5	574.9	583.1	578.1	586.9	586.3
40°	540.9	539.0	549.1	550.3	554.1	554.1	547.8	556.6	552.8	561.0	561.7
42.5°	513.8	511.9	520.7	523.2	526.4	526.4	520.1	529.5	527.0	535.2	537.1
45°	485.4	483.5	491.7	494.2	498.0	498.0	491.7	502.4	500.5	508.7	511.2
47.5°	457.7	455.1	462.7	465.2	469.0	468.4	463.3	474.0	473.4	481.6	486.0
50°	427.4	425.5	433.1	435.6	440.0	438.7	435.0	446.3	446.3	454.5	460.8
52.5°	397.8	395.9	403.4	406.0	409.7	409.7	406.0	417.9	419.8	428.0	435.6
55°	367.5	365.0	372.6	375.1	379.5	380.1	377.0	388.9	392.7	402.2	410.4
57.5°	337.3	336.0	342.3	344.8	350.5	350.5	348.6	361.2	366.3	376.3	385.8
60°	306.4	305.1	310.8	313.9	320.2	321.5	320.2	333.5	340.4	350.5	361.2
62.5°	275.5	274.2	279.9	284.3	291.2	292.5	293.1	307.0	314.6	325.3	337.3
65°	244.6	243.3	249.0	254.0	262.2	264.1	266.0	280.5	289.3	300.7	313.3
67.5°	213.7	213.1	218.7	225.0	233.9	236.4	239.5	254.7	264.8	276.7	290.6
70°	183.4	182.8	188.5	196.0	206.8	209.9	213.7	228.8	241.4	254.0	267.9
72.5°	153.2	153.8	160.1	168.9	180.9	184.1	189.1	204.9	218.7	232.0	246.5
75°	125.4	125.4	132.4	142.5	155.7	160.1	165.8	182.2	196.7	210.5	225.7
77.5°	97.1	97.1	105.3	117.9	132.4	136.8	143.7	160.7	176.5	190.4	205.5
80°	71.2	72.5	81.9	94.6	109.7	115.4	123.6	140.6	157.6	171.5	186.6
82.5°	48.5	50.4	60.5	75.0	90.1	95.8	104.0	122.3	139.3	153.8	169.6
85°	29.0	32.1	42.9	57.4	73.1	79.4	88.3	105.3	122.3	136.8	152.6
87.5°	13.2	17.7	29.0	43.5	58.6	65.6	73.1	89.5	106.5	121.0	137.4
90°	1.3	7.6	18.9	31.5	46.0	52.3	59.9	75.6	92.0	105.3	121.0
92.5°	0.0	3.2	11.3	22.7	35.3	41.6	48.5	63.7	78.2	91.4	106.5
95°	0.0	1.3	6.3	15.8	26.5	32.1	38.5	52.3	66.8	79.4	93.3
97.5°	0.0	0.6	3.8	10.7	19.5	24.6	30.3	42.9	56.1	68.1	80.7
100°	0.0	0.6	1.9	6.9	14.5	18.3	24.0	34.7	46.6	57.4	70.0
102.5°	0.0	0.0	1.3	4.4	10.7	13.9	18.3	27.7	38.5	48.5	59.9
105°	0.0	0.0	0.6	3.2	7.6	10.1	13.9	22.1	31.5	40.3	51.1
107.5°	0.0	0.0	0.6	1.9	5.0	7.6	10.7	17.0	25.2	33.4	42.9
110°	0.6	0.6	0.6	1.3	3.8	5.7	7.6	13.2	20.8	27.7	35.9



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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	3.8	5.7	10.1	16.4	22.1	29.6
115°	0.6	0.6	0.6	0.6	1.9	2.5	3.8	7.6	12.6	17.7	24.0
117.5°	0.6	0.6	0.6	0.6	1.3	1.9	2.5	5.7	9.5	13.9	19.5
120°	0.6	0.6	0.6	0.6	0.6	1.3	1.9	3.8	7.6	10.7	15.8
122.5°	0.6	0.6	0.6	0.6	0.6	1.3	1.3	3.2	5.7	8.2	12.0
125°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	3.8	6.3	9.5
127.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	2.5	4.4	6.9
130°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	3.2	5.0
132.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	2.5	3.8
135°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	2.5
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.9
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
145°	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
152.5°	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6
155°	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6
175°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	801.8	803.7	805.6	800.6	803.7	809.4	811.3	803.7	806.3	801.2
5°	799.3	800.6	803.1	796.8	801.2	806.3	809.4	803.1	806.9	803.1
7.5°	794.3	795.5	798.7	792.4	798.1	802.5	806.3	800.0	803.7	800.0
10°	786.7	788.6	793.0	785.5	792.4	796.2	800.0	793.0	796.8	793.0
12.5°	777.3	780.4	784.2	777.3	784.2	787.3	792.4	785.5	789.9	786.7
15°	765.9	769.1	774.1	767.2	776.0	778.5	783.6	776.6	781.0	777.9
17.5°	752.7	756.5	762.8	754.6	764.7	766.5	771.6	765.3	769.7	766.5
20°	737.5	741.3	747.6	740.1	750.2	751.4	757.1	751.4	755.8	753.9
22.5°	719.9	724.3	730.6	723.7	734.4	734.4	741.3	735.7	740.7	738.8
25°	701.6	706.7	713.6	706.0	717.4	717.4	724.9	719.3	724.3	723.1
27.5°	682.1	687.7	695.9	688.4	699.7	699.1	706.7	701.6	707.3	705.4
30°	661.3	667.6	675.8	669.5	681.4	680.2	687.7	683.3	688.4	687.7
32.5°	638.6	645.5	655.6	648.7	660.6	659.4	668.8	663.8	670.1	668.8
35°	615.9	623.4	633.5	627.2	640.5	638.6	648.0	643.6	649.9	649.3
37.5°	592.6	600.8	610.8	605.8	618.4	616.5	626.6	622.8	629.8	627.9
40°	568.6	576.8	587.5	583.1	596.3	593.8	604.5	601.4	608.3	607.1
42.5°	544.7	553.5	564.2	561.7	574.3	571.8	582.5	580.0	586.9	585.6
45°	520.1	529.5	540.9	538.3	551.6	549.1	559.8	557.9	564.8	564.2
47.5°	495.5	505.6	516.9	515.7	528.3	525.7	537.1	535.2	542.1	542.1
50°	470.3	481.6	493.0	492.3	504.9	502.4	512.5	512.5	520.1	519.4
52.5°	445.1	457.0	469.0	469.0	481.6	479.1	490.4	489.8	497.4	497.4
55°	421.1	431.8	443.8	446.3	458.3	454.5	466.5	467.7	474.0	474.7
57.5°	397.1	408.5	420.5	423.6	435.0	432.4	443.8	445.1	451.4	452.0
60°	373.2	383.9	395.9	400.3	411.6	409.1	420.5	421.7	428.7	429.3
62.5°	349.2	359.9	373.2	377.6	388.3	386.4	398.4	399.7	406.0	407.2
65°	325.9	337.3	349.9	356.2	366.3	363.7	375.7	377.0	383.9	384.5
67.5°	303.2	314.6	327.2	334.1	343.6	342.3	353.6	356.2	361.8	363.1
70°	281.2	292.5	305.7	312.7	322.1	321.5	332.2	334.1	340.4	341.0
72.5°	259.7	271.1	284.3	292.5	300.7	300.1	310.8	313.3	319.6	320.2
75°	238.9	250.9	263.5	272.3	280.5	279.9	290.6	293.1	298.8	299.4
77.5°	219.4	231.4	244.6	253.4	260.3	261.0	270.4	273.0	278.6	280.5
80°	201.1	212.4	225.0	234.5	240.8	242.1	250.9	254.0	258.5	261.0
82.5°	183.4	194.8	207.4	216.2	222.5	223.8	232.0	235.8	240.2	242.1
85°	166.4	177.8	189.7	199.2	204.9	205.5	213.7	217.5	221.3	224.4
87.5°	150.0	161.4	172.7	182.8	187.9	189.1	196.7	200.5	203.6	206.8
90°	133.6	145.0	156.3	165.8	170.8	171.5	179.7	183.4	186.6	189.1
92.5°	118.5	129.9	141.2	150.7	155.1	156.3	163.3	167.7	170.2	172.7
95°	104.0	115.4	125.4	135.5	139.9	141.8	148.1	151.9	155.1	156.3
97.5°	91.4	101.5	110.9	121.0	124.8	126.7	133.0	137.4	139.9	141.2
100°	79.4	88.9	97.7	107.2	110.9	112.8	118.5	122.3	124.8	126.7
102.5°	68.7	77.5	85.7	94.6	98.3	99.6	104.6	108.4	110.9	112.8
105°	59.3	67.5	75.0	83.2	86.4	88.3	92.7	95.8	98.3	99.6
107.5°	50.4	58.6	64.9	72.5	75.6	76.9	81.3	85.1	87.0	87.6
110°	42.9	49.8	56.1	62.4	66.2	67.5	71.2	74.4	76.3	76.9



TEST NUMBER: P893448

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	35.9	42.2	47.9	53.6	56.7	58.0	61.8	64.9	66.2	66.8
115°	29.6	35.9	40.3	46.0	48.5	49.8	53.0	56.1	56.7	58.0
117.5°	24.0	29.6	34.0	38.5	41.0	42.2	44.8	47.3	48.5	49.2
120°	19.5	24.0	27.7	32.1	34.0	35.3	37.8	40.3	41.0	41.6
122.5°	15.8	19.5	22.7	26.5	28.4	29.6	31.5	33.4	34.0	34.7
125°	12.0	15.8	18.3	21.4	23.3	24.0	25.8	27.7	28.4	29.0
127.5°	9.5	12.0	14.5	17.0	18.3	18.9	20.8	22.1	22.7	23.3
130°	6.9	8.8	10.7	13.2	14.5	15.1	16.4	17.7	18.3	18.3
132.5°	5.0	6.9	8.2	10.1	10.7	11.3	12.6	13.9	13.9	14.5
135°	3.2	4.4	5.7	6.9	8.2	8.2	9.5	10.1	10.7	10.7
137.5°	2.5	3.2	3.8	5.0	5.7	6.3	6.3	7.6	7.6	7.6
140°	1.9	2.5	2.5	3.2	3.8	4.4	4.4	5.0	5.0	5.0
142.5°	1.3	1.9	1.9	2.5	2.5	3.2	3.2	3.2	3.8	3.8
145°	1.3	1.3	1.3	1.9	1.9	1.9	1.9	2.5	2.5	2.5
147.5°	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9
150°	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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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	16.35	17.89	16.82	18.35	18.83	17.92	19.46	18.39	19.92	20.40
	3H	18.03	19.43	18.51	19.90	20.43	20.55	21.95	21.03	22.42	22.95
	4H	18.63	19.96	19.13	20.44	20.98	21.86	23.19	22.37	23.68	24.22
	6H	19.03	20.27	19.54	20.76	21.32	23.27	24.51	23.78	25.00	25.56
	8H	19.14	20.33	19.67	20.85	21.42	24.02	25.20	24.54	25.73	26.29
	12H	19.22	20.36	19.75	20.87	21.47	24.87	26.01	25.40	26.52	27.12
4H	2H	17.28	18.61	17.79	19.10	19.64	18.48	19.81	18.98	20.29	20.83
	3H	19.26	20.40	19.78	20.92	21.49	21.39	22.53	21.91	23.06	23.62
	4H	20.04	21.08	20.57	21.62	22.21	22.92	23.96	23.45	24.50	25.09
	6H	20.62	21.54	21.17	22.10	22.71	24.56	25.48	25.12	26.04	26.65
	8H	20.80	21.67	21.36	22.23	22.85	25.44	26.31	26.00	26.87	27.49
	12H	20.92	21.71	21.51	22.30	22.93	26.45	27.23	27.03	27.83	28.45
8H	4H	20.92	21.78	21.48	22.35	22.97	23.28	24.14	23.84	24.71	25.33
	6H	21.80	22.53	22.39	23.14	23.77	25.18	25.92	25.77	26.52	27.15
	8H	22.15	22.81	22.75	23.43	24.07	26.26	26.93	26.87	27.54	28.18
	12H	22.42	23.01	23.02	23.62	24.32	27.53	28.12	28.13	28.73	29.43
12H	4H	21.19	21.98	21.78	22.57	23.20	23.32	24.11	23.90	24.70	25.33
	6H	22.25	22.91	22.85	23.53	24.17	25.29	25.96	25.89	26.57	27.21
	8H	22.76	23.36	23.37	23.96	24.67	26.49	27.08	27.09	27.69	28.39