

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: P893520

Luminaire Tested: 4MB-4SL-FLTU-UNV-L950

Issue Date: 11/11/2024

**Test Information**

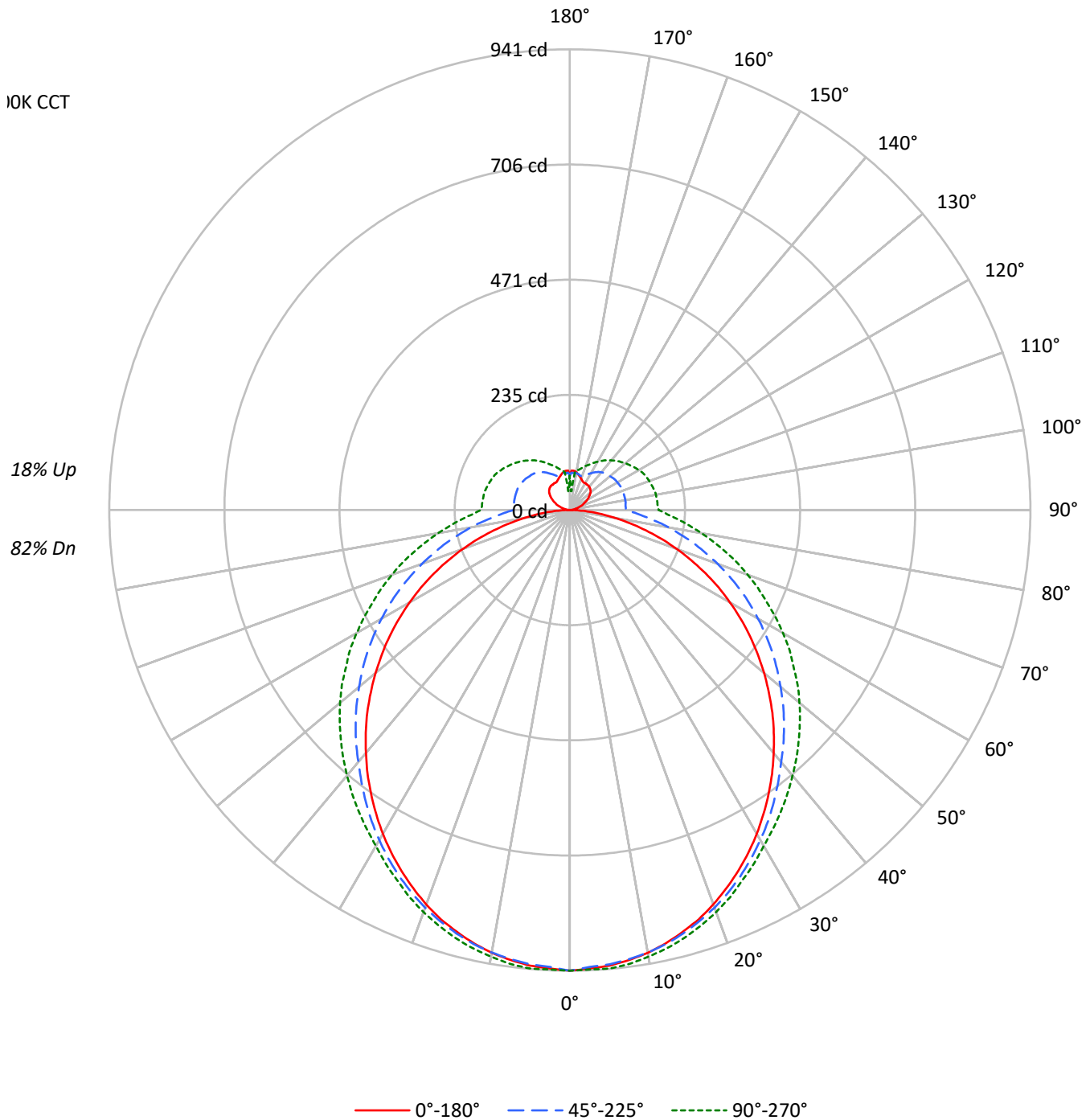
Test Method: LM-79-2019  
Report Number: P893520  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-FLTU-UNV-L950  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 500  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3557.0 lumens  
Efficiency: N/A  
Efficacy: 119.4 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: P893520  
CATALOG NUMBER: 4MB-4SL-FLTU-UNV-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P893520

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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°	6695	6695	6695
5°	6640	6414	6407
10°	6575	6168	6103
15°	6479	5921	5812
20°	6371	5669	5517
25°	6236	5406	5217
30°	6092	5137	4944
35°	5932	4867	4720
40°	5764	4602	4505
45°	5595	4370	4301
50°	5398	4131	4103
55°	5187	3895	3881
60°	4933	3643	3670
65°	4630	3377	3432
70°	4236	3086	3211
75°	3696	2788	2971
80°	2986	2470	2725
85°	2063	2146	2501

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5595 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	2.5
10°-20°	253.8	7.1
20°-30°	381.3	10.7
30°-40°	457.8	12.9
40°-50°	481.4	13.5
50°-60°	452.3	12.7
60°-70°	376.1	10.6
70°-80°	268.4	7.5
80°-90°	159.7	4.5
90°-100°	115.7	3.3
100°-110°	114.1	3.2
110°-120°	107.2	3.0
120°-130°	95.0	2.7
130°-140°	78.7	2.2
140°-150°	58.9	1.7
150°-160°	38.7	1.1
160°-170°	22.0	0.6
170°-180°	7.0	0.2
0°-30°	724.0	20.4
0°-40°	1181.8	33.2
0°-60°	2115.5	59.5
0°-90°	2919.8	82.1
90°-120°	336.9	9.5
90°-150°	569.5	16.0
90°-180°	637.0	17.9
0°-180°	3557.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	934	945	931	934	940	89
15°	892	906	895	901	905	252
25°	814	829	825	833	834	375
35°	708	724	727	745	752	443
45°	585	602	619	650	662	451
55°	449	467	504	546	558	402
65°	306	331	383	431	443	303
75°	161	197	262	313	329	171
85°	40	88	154	205	222	44
90°	0	51	114	164	181	3
95°	4	53	114	162	180	5
105°	16	59	115	161	176	17
115°	32	64	114	154	169	32
125°	48	69	111	144	156	43
135°	59	72	105	132	141	46
145°	63	70	94	117	124	39
155°	64	71	80	99	105	30
165°	73	77	75	76	88	21
175°	81	80	76	64	39	8
180°	70	70	70	70	70	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9
2.5°	937.4	940.0	940.9	949.5	946.0	949.5	943.5	936.6	934.9	939.2	934.0
5°	934.0	936.6	937.4	946.0	942.6	945.2	940.0	933.2	931.4	936.6	931.4
7.5°	927.1	929.7	930.6	940.0	935.7	939.2	933.2	926.3	925.4	930.6	925.4
10°	918.5	921.1	922.0	930.6	927.1	930.6	924.6	917.7	916.8	922.8	917.7
12.5°	906.5	909.1	910.8	919.4	915.1	919.4	912.5	905.7	906.5	911.7	908.2
15°	891.9	895.3	896.2	904.8	901.4	905.7	898.8	891.9	893.6	898.8	895.3
17.5°	876.4	879.9	880.7	888.5	885.0	890.2	882.5	876.4	878.2	883.3	880.7
20°	857.5	861.0	862.7	870.4	867.0	872.1	864.4	859.3	861.0	867.0	864.4
22.5°	836.1	841.2	842.1	850.7	846.4	851.5	843.8	839.5	842.1	848.1	845.5
25°	813.7	818.9	819.7	828.3	824.9	829.2	821.4	817.2	820.6	826.6	824.9
27.5°	789.7	794.8	796.5	804.3	800.8	806.0	797.4	794.8	798.2	804.3	802.5
30°	763.9	769.0	769.9	777.6	775.1	780.2	772.5	769.0	774.2	780.2	778.5
32.5°	736.4	741.5	744.1	751.0	748.4	752.7	745.8	744.1	748.4	754.4	753.6
35°	708.0	713.2	715.8	723.5	720.1	724.4	717.5	715.8	722.6	726.9	726.9
37.5°	678.8	684.0	686.5	694.3	690.0	695.1	688.3	687.4	695.1	699.4	699.4
40°	647.9	653.9	656.5	663.3	659.9	664.2	658.2	659.1	665.9	671.1	671.9
42.5°	616.9	623.0	625.5	633.3	629.0	633.3	628.1	629.0	636.7	641.9	646.2
45°	585.2	590.3	592.9	601.5	596.3	601.5	596.3	598.0	605.8	613.5	618.7
47.5°	551.6	556.8	561.1	568.0	563.7	568.0	564.5	567.1	576.6	584.3	591.2
50°	518.1	523.3	527.6	533.6	529.3	535.3	531.0	534.5	546.5	554.2	562.0
52.5°	483.8	488.1	494.9	498.4	494.9	501.8	498.4	503.5	515.6	525.0	533.6
55°	449.4	453.7	460.6	463.1	459.7	467.4	464.9	471.7	484.6	494.9	504.4
57.5°	414.2	418.5	424.5	427.1	424.5	433.1	432.2	439.9	452.8	464.0	474.3
60°	378.1	382.4	387.5	390.1	390.1	398.7	398.7	408.1	421.9	432.2	444.2
62.5°	342.8	345.4	350.6	354.0	356.6	365.2	365.2	375.5	390.1	402.1	414.2
65°	305.9	308.5	312.8	317.1	321.4	330.8	331.7	342.8	357.5	369.5	383.2
67.5°	268.9	271.5	275.8	281.0	287.0	296.4	298.2	310.2	325.7	339.4	352.3
70°	232.9	233.7	238.9	245.7	252.6	262.1	264.7	277.5	293.9	307.6	321.4
72.5°	196.8	197.6	202.8	211.4	219.1	229.4	232.9	246.6	262.9	276.7	290.4
75°	160.7	161.5	168.4	178.7	187.3	196.8	201.1	215.7	232.0	246.6	262.1
77.5°	126.3	128.0	134.9	145.2	155.5	166.7	171.0	185.6	203.6	217.4	232.0
80°	94.5	96.2	104.0	115.1	126.3	136.6	141.8	156.4	175.3	189.0	205.4
82.5°	65.3	67.9	77.3	89.4	100.5	111.7	116.9	130.6	147.8	163.3	178.7
85°	40.4	43.8	53.3	66.2	78.2	88.5	93.7	108.3	124.6	139.2	153.8
87.5°	18.9	24.1	33.5	46.4	59.3	67.9	73.9	88.5	104.0	118.6	133.2
90°	0.0	7.7	17.2	30.1	43.0	50.7	57.6	71.3	86.8	100.5	114.3
92.5°	1.7	8.6	18.9	30.9	43.8	51.6	58.4	72.2	86.8	100.5	114.3
95°	4.3	9.5	19.8	32.7	45.5	53.3	59.3	73.0	87.6	101.4	114.3
97.5°	7.7	12.0	22.3	34.4	47.3	54.1	61.0	74.8	88.5	102.3	115.1
100°	10.3	13.7	24.1	36.1	49.0	55.9	62.7	75.6	89.4	103.1	115.1
102.5°	12.9	17.2	26.6	37.8	50.7	57.6	63.6	76.5	90.2	103.1	115.1
105°	16.3	19.8	28.4	40.4	52.4	59.3	65.3	78.2	91.1	104.0	115.1
107.5°	19.8	22.3	30.9	42.1	54.1	60.1	66.2	79.1	91.9	104.0	115.1
110°	24.1	25.8	33.5	43.8	55.0	61.9	67.9	79.9	91.9	104.0	115.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	28.4	28.4	36.1	45.5	56.7	62.7	68.7	80.8	92.8	104.0	115.1
115°	31.8	32.7	38.7	47.3	58.4	64.4	69.6	80.8	92.8	104.0	114.3
117.5°	36.1	36.1	42.1	49.0	59.3	65.3	71.3	81.6	92.8	103.1	113.4
120°	40.4	39.5	44.7	51.6	61.0	66.2	72.2	82.5	92.8	103.1	112.6
122.5°	44.7	43.0	46.4	53.3	61.9	67.9	72.2	82.5	92.8	102.3	111.7
125°	48.1	46.4	49.0	55.9	63.6	68.7	73.0	82.5	92.8	101.4	110.8
127.5°	51.6	49.8	52.4	57.6	64.4	68.7	73.9	82.5	92.8	100.5	109.1
130°	55.0	52.4	55.9	59.3	66.2	69.6	73.9	82.5	91.9	99.7	107.4
132.5°	57.6	55.0	58.4	61.0	67.0	70.5	74.8	82.5	91.1	98.8	106.5
135°	59.3	56.7	61.0	62.7	68.7	72.2	75.6	82.5	90.2	98.0	104.8
137.5°	61.0	57.6	62.7	64.4	69.6	73.0	75.6	81.6	89.4	96.2	103.1
140°	61.9	59.3	64.4	66.2	68.7	72.2	75.6	80.8	87.6	94.5	100.5
142.5°	62.7	59.3	65.3	67.0	68.7	71.3	74.8	79.1	85.9	91.9	98.0
145°	62.7	60.1	65.3	67.0	68.7	70.5	73.0	78.2	83.3	88.5	94.5
147.5°	62.7	61.0	66.2	67.9	69.6	69.6	71.3	76.5	80.8	85.9	91.1
150°	63.6	61.0	66.2	67.9	70.5	70.5	71.3	73.9	79.1	82.5	86.8
152.5°	62.7	61.9	65.3	68.7	70.5	71.3	71.3	72.2	76.5	79.9	83.3
155°	63.6	63.6	66.2	70.5	71.3	71.3	72.2	71.3	73.0	76.5	79.9
157.5°	65.3	67.0	67.0	71.3	73.0	73.0	73.9	73.0	72.2	73.0	76.5
160°	67.9	69.6	69.6	72.2	74.8	74.8	75.6	74.8	73.9	73.0	73.0
162.5°	70.5	72.2	72.2	73.0	75.6	76.5	77.3	76.5	75.6	73.9	73.0
165°	73.0	74.8	74.8	74.8	76.5	77.3	78.2	77.3	77.3	75.6	74.8
167.5°	75.6	77.3	77.3	76.5	77.3	78.2	79.1	78.2	78.2	77.3	75.6
170°	78.2	79.9	79.9	78.2	79.1	79.1	79.9	79.1	79.1	77.3	76.5
172.5°	79.9	81.6	80.8	79.9	79.9	79.9	79.9	79.1	78.2	76.5	76.5
175°	80.8	82.5	82.5	80.8	79.9	79.9	80.8	79.1	78.2	77.3	75.6
177.5°	80.8	82.5	82.5	80.8	80.8	79.9	80.8	79.9	79.9	78.2	76.5
180°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9
2.5°	937.4	936.6	931.4	937.4	937.4	935.7	942.6	941.7	940.9	939.2
5°	934.0	933.2	928.0	934.0	934.0	933.2	940.0	940.9	941.7	940.0
7.5°	928.9	928.0	922.8	928.9	928.9	928.0	935.7	936.6	937.4	934.9
10°	921.1	920.3	915.1	921.1	922.0	921.1	927.1	928.0	929.7	926.3
12.5°	910.8	910.8	905.7	911.7	912.5	911.7	917.7	919.4	921.1	916.8
15°	897.9	898.8	894.5	900.5	901.4	901.4	907.4	908.2	910.8	904.8
17.5°	882.5	884.2	880.7	886.8	887.6	888.5	891.9	894.5	897.1	890.2
20°	866.1	867.0	864.4	869.6	871.3	870.4	874.7	878.2	880.7	873.9
22.5°	846.4	847.2	844.6	849.8	851.5	852.4	855.8	860.1	861.8	855.8
25°	824.0	827.5	825.7	830.9	832.6	832.6	836.1	840.4	842.9	834.3
27.5°	802.5	806.8	805.1	810.3	812.0	812.9	814.6	819.7	822.3	814.6
30°	778.5	783.6	782.8	787.9	789.7	788.8	792.2	797.4	800.8	792.2
32.5°	751.9	758.7	757.9	764.7	766.5	767.3	769.9	776.8	780.2	772.5
35°	726.1	733.8	734.7	742.4	745.0	745.8	749.3	756.1	759.6	751.9
37.5°	699.4	709.7	712.3	720.1	722.6	723.5	726.9	734.7	738.1	730.4
40°	673.7	685.7	689.1	696.0	698.6	701.2	703.7	711.5	715.8	708.0
42.5°	647.9	660.8	665.1	671.9	674.5	677.1	680.5	689.1	692.6	685.7
45°	621.2	635.0	640.1	647.0	650.5	653.0	656.5	664.2	668.5	661.6
47.5°	594.6	608.4	613.5	621.2	624.7	628.1	630.7	640.1	644.4	637.6
50°	566.3	581.7	587.7	594.6	599.8	602.3	605.8	614.4	618.7	612.7
52.5°	537.9	554.2	561.1	568.0	573.1	577.4	579.1	588.6	592.9	586.9
55°	508.7	525.0	532.7	540.5	545.6	550.8	552.5	562.0	566.3	557.7
57.5°	479.5	496.7	504.4	513.0	517.3	523.3	525.9	534.5	538.8	532.7
60°	450.3	466.6	476.0	483.8	489.8	494.9	496.7	506.1	510.4	502.7
62.5°	420.2	437.4	446.8	455.4	460.6	466.6	469.2	477.7	481.2	473.5
65°	389.2	406.4	416.7	424.5	431.3	436.5	438.2	447.7	451.1	443.4
67.5°	358.3	375.5	386.7	395.3	401.3	407.3	409.0	418.5	421.9	415.9
70°	328.2	345.4	356.6	366.9	371.2	377.2	379.8	388.4	391.8	386.7
72.5°	298.2	315.3	327.4	337.7	342.0	348.0	351.4	358.3	363.5	359.2
75°	268.9	286.1	298.2	308.5	312.8	318.8	322.2	329.1	332.5	329.1
77.5°	240.6	257.8	268.9	279.3	284.4	289.6	293.0	299.9	304.2	300.7
80°	213.1	230.3	241.5	250.9	256.1	261.2	264.7	272.4	275.8	273.2
82.5°	187.3	203.6	215.7	225.1	230.3	235.4	238.9	245.7	250.0	246.6
85°	164.1	180.4	191.6	201.1	205.4	210.5	214.0	220.8	224.3	222.5
87.5°	141.8	156.4	169.3	178.7	183.0	188.2	192.5	197.6	201.9	199.3
90°	124.6	137.5	149.5	159.0	164.1	169.3	174.4	179.6	183.0	181.3
92.5°	125.5	137.5	148.7	157.2	162.4	167.6	172.7	178.7	181.3	179.6
95°	125.5	137.5	148.7	157.2	162.4	167.6	172.7	178.7	181.3	179.6
97.5°	125.5	137.5	148.7	157.2	162.4	167.6	172.7	178.7	181.3	178.7
100°	125.5	137.5	148.7	157.2	162.4	166.7	171.9	177.9	180.4	178.7
102.5°	125.5	137.5	147.8	156.4	161.5	165.8	171.0	177.0	179.6	177.9
105°	125.5	136.6	147.8	155.5	160.7	165.0	170.1	175.3	177.9	176.1
107.5°	124.6	135.8	146.1	154.7	159.0	163.3	168.4	173.6	176.1	174.4
110°	124.6	134.9	145.2	152.9	157.2	161.5	166.7	171.9	174.4	172.7





TEST NUMBER: P893520  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	123.7	134.0	144.4	151.2	155.5	159.8	164.1	170.1	172.7	171.0
115°	122.9	133.2	142.6	149.5	153.8	157.2	162.4	168.4	170.1	169.3
117.5°	122.0	131.5	140.9	147.8	152.1	155.5	159.8	165.0	167.6	166.7
120°	121.2	129.7	139.2	145.2	149.5	152.9	156.4	161.5	164.1	162.4
122.5°	119.4	128.0	137.5	143.5	146.9	150.4	153.8	158.1	160.7	159.8
125°	117.7	126.3	134.9	140.9	144.4	146.9	150.4	154.7	156.4	155.5
127.5°	116.0	124.6	132.3	137.5	141.8	144.4	146.9	151.2	152.9	152.1
130°	114.3	122.0	129.7	134.9	138.3	140.9	143.5	147.8	148.7	148.7
132.5°	112.6	119.4	127.2	132.3	135.8	137.5	140.1	143.5	145.2	144.4
135°	110.8	116.9	124.6	128.9	131.5	134.0	136.6	140.1	140.9	140.9
137.5°	108.3	114.3	121.2	125.5	128.0	129.7	132.3	135.8	136.6	136.6
140°	105.7	111.7	117.7	121.2	124.6	126.3	128.0	131.5	132.3	132.3
142.5°	103.1	108.3	114.3	117.7	121.2	122.0	124.6	127.2	128.0	128.0
145°	99.7	105.7	110.8	114.3	116.9	117.7	120.3	122.9	122.9	123.7
147.5°	95.4	100.5	107.4	110.0	112.6	113.4	116.0	117.7	118.6	118.6
150°	91.1	96.2	102.3	106.5	109.1	110.0	110.8	113.4	113.4	114.3
152.5°	86.8	91.1	97.1	101.4	104.8	105.7	106.5	108.3	108.3	109.1
155°	82.5	85.9	91.1	95.4	98.8	100.5	102.3	104.0	104.0	104.8
157.5°	79.1	82.5	86.8	90.2	92.8	95.4	98.0	99.7	99.7	99.7
160°	74.8	77.3	81.6	84.2	87.6	89.4	93.7	95.4	95.4	96.2
162.5°	72.2	73.0	75.6	78.2	80.8	82.5	86.8	91.1	91.1	91.9
165°	73.0	72.2	73.0	73.9	75.6	76.5	79.1	85.1	86.8	87.6
167.5°	74.8	72.2	72.2	72.2	73.9	73.9	76.5	79.9	85.9	84.2
170°	74.8	72.2	70.5	70.5	71.3	70.5	72.2	74.8	78.2	81.6
172.5°	75.6	73.0	70.5	67.0	67.9	67.0	65.3	65.3	66.2	77.3
175°	74.8	73.0	69.6	65.3	64.4	61.9	56.7	52.4	49.8	38.7
177.5°	73.9	71.3	68.7	65.3	63.6	61.0	55.0	48.1	41.2	39.5
180°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5



TEST NUMBER: P893520  
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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	14.29	15.61	14.90	16.24	16.96	16.84	18.16	17.46	18.79	19.51
	3H	15.69	16.89	16.32	17.54	18.29	19.27	20.47	19.90	21.11	21.87
	4H	16.12	17.26	16.77	17.92	18.68	20.41	21.55	21.06	22.20	22.97
	6H	16.36	17.42	17.02	18.08	18.87	21.55	22.60	22.21	23.27	24.05
	8H	16.40	17.41	17.07	18.10	18.89	22.10	23.12	22.78	23.80	24.59
	12H	16.41	17.38	17.09	18.06	18.88	22.69	23.66	23.37	24.34	25.15
4H	2H	15.18	16.32	15.83	16.97	17.74	17.19	18.33	17.84	18.98	19.75
	3H	16.80	17.77	17.47	18.46	19.25	19.82	20.79	20.48	21.48	22.27
	4H	17.36	18.24	18.04	18.94	19.76	21.11	22.00	21.79	22.69	23.51
	6H	17.70	18.47	18.39	19.20	20.02	22.42	23.20	23.12	23.92	24.75
	8H	17.77	18.50	18.48	19.22	20.06	23.08	23.81	23.78	24.53	25.37
	12H	17.80	18.47	18.53	19.21	20.06	23.78	24.44	24.50	25.19	26.03
8H	4H	18.01	18.74	18.71	19.46	20.30	21.26	21.99	21.97	22.71	23.55
	6H	18.51	19.13	19.24	19.89	20.73	22.72	23.34	23.45	24.10	24.94
	8H	18.67	19.22	19.41	19.98	20.84	23.50	24.05	24.24	24.81	25.67
	12H	18.76	19.25	19.50	20.00	20.92	24.36	24.85	25.11	25.61	26.52
12H	4H	18.17	18.83	18.90	19.58	20.42	21.25	21.92	21.98	22.66	23.51
	6H	18.77	19.32	19.51	20.09	20.94	22.74	23.29	23.48	24.05	24.91
	8H	19.00	19.50	19.75	20.25	21.17	23.57	24.06	24.32	24.81	25.73