

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: P894215

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894215
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-SC3-FLTU-UNV-CC83-MID-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 5000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

Summary

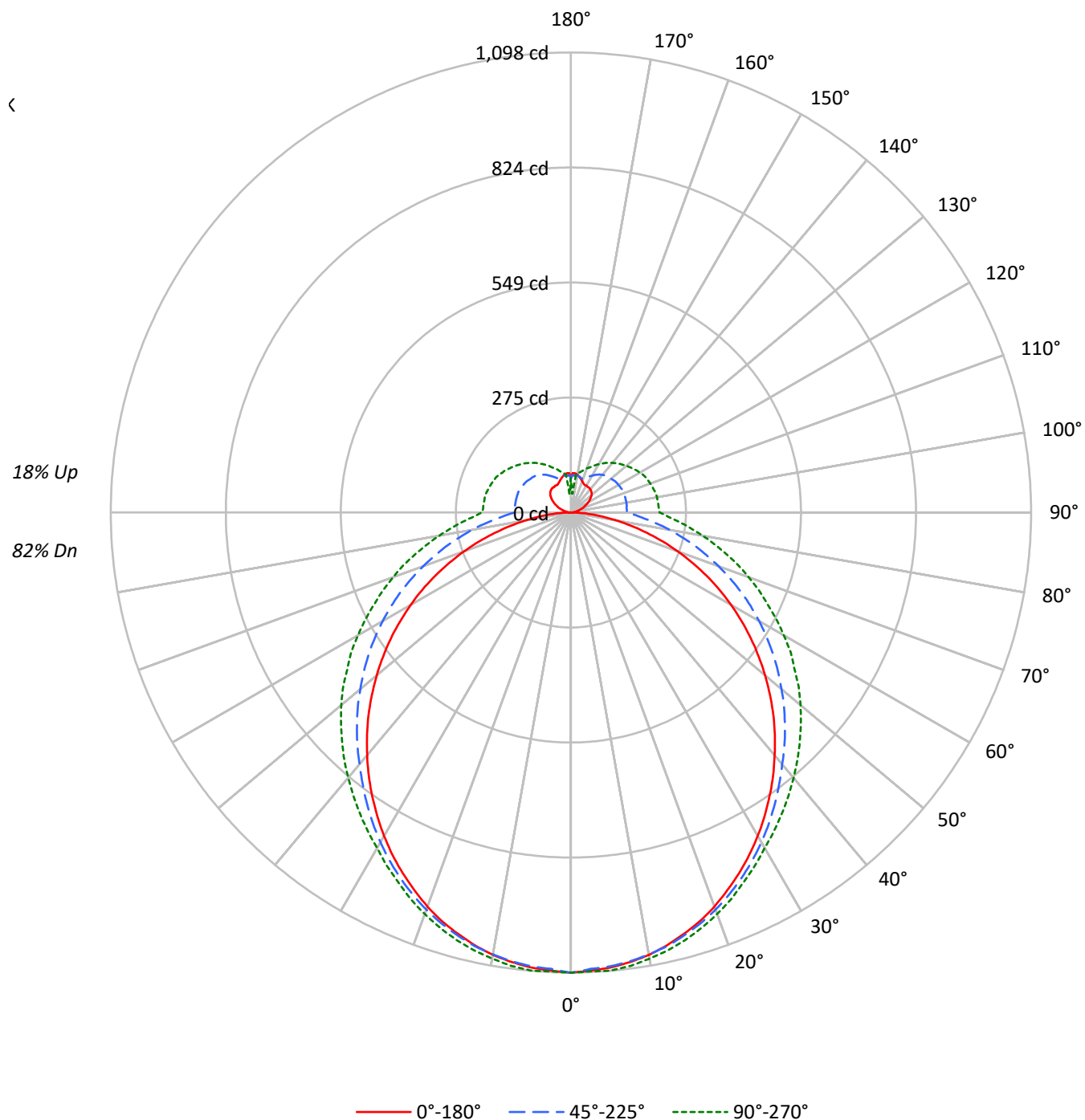
Lumens per Lamp: N/A
Luminaire Lumens: 4152.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-5000K

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
RW	70	50	30	10	70	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
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7814	7814	7814
5°	7752	7487	7479
10°	7676	7200	7123
15°	7563	6912	6783
20°	7437	6617	6439
25°	7279	6310	6090
30°	7111	5996	5772
35°	6925	5681	5509
40°	6729	5371	5259
45°	6531	5101	5020
50°	6301	4822	4789
55°	6055	4547	4530
60°	5758	4252	4283
65°	5405	3942	4006
70°	4943	3602	3747
75°	4314	3254	3468
80°	3485	2882	3182
85°	2405	2504	2920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	2.5
10°-20°	296.2	7.1
20°-30°	445.0	10.7
30°-40°	534.4	12.9
40°-50°	561.9	13.5
50°-60°	528.0	12.7
60°-70°	439.0	10.6
70°-80°	313.3	7.5
80°-90°	186.5	4.5
90°-100°	135.0	3.3
100°-110°	133.2	3.2
110°-120°	125.1	3.0
120°-130°	110.9	2.7
130°-140°	91.9	2.2
140°-150°	68.8	1.7
150°-160°	45.2	1.1
160°-170°	25.7	0.6
170°-180°	8.2	0.2
0°-30°	845.1	20.4
0°-40°	1379.5	33.2
0°-60°	2469.4	59.5
0°-90°	3408.2	82.1
90°-120°	393.3	9.5
90°-150°	664.8	16.0
90°-180°	744.0	17.9
0°-180°	4152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1090	1103	1087	1090	1097	103
15°	1041	1057	1045	1052	1056	294
25°	950	968	963	972	974	438
35°	826	846	848	870	878	517
45°	683	702	722	759	772	526
55°	525	546	589	637	651	469
65°	357	386	447	504	518	353
75°	188	230	306	365	384	199
85°	47	103	180	240	260	52
90°	0	59	133	192	212	3
95°	5	62	133	190	210	6
105°	19	69	134	188	206	20
115°	37	75	133	180	198	37
125°	56	80	129	168	182	50
135°	69	84	122	154	164	53
145°	73	82	110	136	144	46
155°	74	83	93	115	122	35
165°	85	90	87	88	102	24
175°	94	93	88	75	45	9
180°	82	82	82	82	82	

TEST NUMBER: P894215

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3
2.5°	1094.3	1097.3	1098.3	1108.3	1104.3	1108.3	1101.3	1093.3	1091.3	1096.3	1090.3
5°	1090.3	1093.3	1094.3	1104.3	1100.3	1103.3	1097.3	1089.2	1087.2	1093.3	1087.2
7.5°	1082.2	1085.2	1086.2	1097.3	1092.3	1096.3	1089.2	1081.2	1080.2	1086.2	1080.2
10°	1072.2	1075.2	1076.2	1086.2	1082.2	1086.2	1079.2	1071.2	1070.2	1077.2	1071.2
12.5°	1058.2	1061.2	1063.2	1073.2	1068.2	1073.2	1065.2	1057.2	1058.2	1064.2	1060.2
15°	1041.1	1045.1	1046.1	1056.1	1052.1	1057.2	1049.1	1041.1	1043.1	1049.1	1045.1
17.5°	1023.1	1027.1	1028.1	1037.1	1033.1	1039.1	1030.1	1023.1	1025.1	1031.1	1028.1
20°	1001.0	1005.0	1007.0	1016.0	1012.0	1018.0	1009.0	1003.0	1005.0	1012.0	1009.0
22.5°	975.9	981.9	982.9	993.0	987.9	994.0	984.9	979.9	982.9	990.0	986.9
25°	949.8	955.8	956.9	966.9	962.9	967.9	958.9	953.8	957.9	964.9	962.9
27.5°	921.7	927.8	929.8	938.8	934.8	940.8	930.8	927.8	931.8	938.8	936.8
30°	891.7	897.7	898.7	907.7	904.7	910.7	901.7	897.7	903.7	910.7	908.7
32.5°	859.6	865.6	868.6	876.6	873.6	878.6	870.6	868.6	873.6	880.6	879.6
35°	826.5	832.5	835.5	844.5	840.5	845.5	837.5	835.5	843.5	848.5	848.5
37.5°	792.4	798.4	801.4	810.4	805.4	811.4	803.4	802.4	811.4	816.4	816.4
40°	756.3	763.3	766.3	774.3	770.3	775.3	768.3	769.3	777.3	783.3	784.3
42.5°	720.1	727.2	730.2	739.2	734.2	739.2	733.2	734.2	743.2	749.2	754.2
45°	683.0	689.1	692.1	702.1	696.1	702.1	696.1	698.1	707.1	716.1	722.2
47.5°	643.9	649.9	655.0	663.0	658.0	663.0	659.0	662.0	673.0	682.0	690.1
50°	604.8	610.8	615.8	622.9	617.8	624.9	619.8	623.9	637.9	646.9	656.0
52.5°	564.7	569.7	577.7	581.7	577.7	585.7	581.7	587.8	601.8	612.8	622.9
55°	524.6	529.6	537.6	540.6	536.6	545.6	542.6	550.6	565.7	577.7	588.8
57.5°	483.4	488.5	495.5	498.5	495.5	505.5	504.5	513.5	528.6	541.6	553.7
60°	441.3	446.3	452.3	455.4	455.4	465.4	465.4	476.4	492.5	504.5	518.5
62.5°	400.2	403.2	409.2	413.2	416.2	426.3	426.3	438.3	455.4	469.4	483.4
65°	357.1	360.1	365.1	370.1	375.1	386.2	387.2	400.2	417.2	431.3	447.3
67.5°	313.9	316.9	322.0	328.0	335.0	346.0	348.0	362.1	380.1	396.2	411.2
70°	271.8	272.8	278.8	286.9	294.9	305.9	308.9	324.0	343.0	359.1	375.1
72.5°	229.7	230.7	236.7	246.7	255.8	267.8	271.8	287.9	306.9	323.0	339.0
75°	187.6	188.6	196.6	208.6	218.7	229.7	234.7	251.8	270.8	287.9	305.9
77.5°	147.4	149.4	157.5	169.5	181.5	194.6	199.6	216.6	237.7	253.8	270.8
80°	110.3	112.3	121.4	134.4	147.4	159.5	165.5	182.5	204.6	220.7	239.7
82.5°	76.2	79.2	90.3	104.3	117.3	130.4	136.4	152.5	172.5	190.6	208.6
85°	47.1	51.2	62.2	77.2	91.3	103.3	109.3	126.4	145.4	162.5	179.5
87.5°	22.1	28.1	39.1	54.2	69.2	79.2	86.3	103.3	121.4	138.4	155.5
90°	0.0	9.0	20.1	35.1	50.1	59.2	67.2	83.2	101.3	117.3	133.4
92.5°	2.0	10.0	22.1	36.1	51.2	60.2	68.2	84.3	101.3	117.3	133.4
95°	5.0	11.0	23.1	38.1	53.2	62.2	69.2	85.3	102.3	118.4	133.4
97.5°	9.0	14.0	26.1	40.1	55.2	63.2	71.2	87.3	103.3	119.4	134.4
100°	12.0	16.0	28.1	42.1	57.2	65.2	73.2	88.3	104.3	120.4	134.4
102.5°	15.0	20.1	31.1	44.1	59.2	67.2	74.2	89.3	105.3	120.4	134.4
105°	19.1	23.1	33.1	47.1	61.2	69.2	76.2	91.3	106.3	121.4	134.4
107.5°	23.1	26.1	36.1	49.1	63.2	70.2	77.2	92.3	107.3	121.4	134.4
110°	28.1	30.1	39.1	51.2	64.2	72.2	79.2	93.3	107.3	121.4	134.4

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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	33.1	33.1	42.1	53.2	66.2	73.2	80.2	94.3	108.3	121.4	134.4
115°	37.1	38.1	45.1	55.2	68.2	75.2	81.2	94.3	108.3	121.4	133.4
117.5°	42.1	42.1	49.1	57.2	69.2	76.2	83.2	95.3	108.3	120.4	132.4
120°	47.1	46.1	52.2	60.2	71.2	77.2	84.3	96.3	108.3	120.4	131.4
122.5°	52.2	50.1	54.2	62.2	72.2	79.2	84.3	96.3	108.3	119.4	130.4
125°	56.2	54.2	57.2	65.2	74.2	80.2	85.3	96.3	108.3	118.4	129.4
127.5°	60.2	58.2	61.2	67.2	75.2	80.2	86.3	96.3	108.3	117.3	127.4
130°	64.2	61.2	65.2	69.2	77.2	81.2	86.3	96.3	107.3	116.3	125.4
132.5°	67.2	64.2	68.2	71.2	78.2	82.2	87.3	96.3	106.3	115.3	124.4
135°	69.2	66.2	71.2	73.2	80.2	84.3	88.3	96.3	105.3	114.3	122.4
137.5°	71.2	67.2	73.2	75.2	81.2	85.3	88.3	95.3	104.3	112.3	120.4
140°	72.2	69.2	75.2	77.2	80.2	84.3	88.3	94.3	102.3	110.3	117.3
142.5°	73.2	69.2	76.2	78.2	80.2	83.2	87.3	92.3	100.3	107.3	114.3
145°	73.2	70.2	76.2	78.2	80.2	82.2	85.3	91.3	97.3	103.3	110.3
147.5°	73.2	71.2	77.2	79.2	81.2	81.2	83.2	89.3	94.3	100.3	106.3
150°	74.2	71.2	77.2	79.2	82.2	82.2	83.2	86.3	92.3	96.3	101.3
152.5°	73.2	72.2	76.2	80.2	82.2	83.2	83.2	84.3	89.3	93.3	97.3
155°	74.2	74.2	77.2	82.2	83.2	83.2	84.3	83.2	85.3	89.3	93.3
157.5°	76.2	78.2	78.2	83.2	85.3	85.3	86.3	85.3	84.3	85.3	89.3
160°	79.2	81.2	81.2	84.3	87.3	87.3	88.3	87.3	86.3	85.3	85.3
162.5°	82.2	84.3	84.3	85.3	88.3	89.3	90.3	89.3	88.3	86.3	85.3
165°	85.3	87.3	87.3	87.3	89.3	90.3	91.3	90.3	90.3	88.3	87.3
167.5°	88.3	90.3	90.3	89.3	90.3	91.3	92.3	91.3	91.3	90.3	88.3
170°	91.3	93.3	93.3	91.3	92.3	92.3	93.3	92.3	92.3	90.3	89.3
172.5°	93.3	95.3	94.3	93.3	93.3	93.3	93.3	92.3	91.3	89.3	89.3
175°	94.3	96.3	96.3	94.3	93.3	93.3	94.3	92.3	91.3	90.3	88.3
177.5°	94.3	96.3	96.3	94.3	94.3	93.3	94.3	93.3	93.3	91.3	89.3
180°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3	1098.3
2.5°	1094.3	1093.3	1087.2	1094.3	1094.3	1092.3	1100.3	1099.3	1098.3	1096.3
5°	1090.3	1089.2	1083.2	1090.3	1090.3	1089.2	1097.3	1098.3	1099.3	1097.3
7.5°	1084.2	1083.2	1077.2	1084.2	1084.2	1083.2	1092.3	1093.3	1094.3	1091.3
10°	1075.2	1074.2	1068.2	1075.2	1076.2	1075.2	1082.2	1083.2	1085.2	1081.2
12.5°	1063.2	1063.2	1057.2	1064.2	1065.2	1064.2	1071.2	1073.2	1075.2	1070.2
15°	1048.1	1049.1	1044.1	1051.1	1052.1	1052.1	1059.2	1060.2	1063.2	1056.1
17.5°	1030.1	1032.1	1028.1	1035.1	1036.1	1037.1	1041.1	1044.1	1047.1	1039.1
20°	1011.0	1012.0	1009.0	1015.0	1017.0	1016.0	1021.0	1025.1	1028.1	1020.0
22.5°	987.9	988.9	985.9	992.0	994.0	995.0	999.0	1004.0	1006.0	999.0
25°	961.9	965.9	963.9	969.9	971.9	971.9	975.9	980.9	983.9	973.9
27.5°	936.8	941.8	939.8	945.8	947.8	948.8	950.8	956.9	959.9	950.8
30°	908.7	914.7	913.7	919.7	921.7	920.7	924.8	930.8	934.8	924.8
32.5°	877.6	885.6	884.6	892.7	894.7	895.7	898.7	906.7	910.7	901.7
35°	847.5	856.6	857.6	866.6	869.6	870.6	874.6	882.6	886.6	877.6
37.5°	816.4	828.5	831.5	840.5	843.5	844.5	848.5	857.6	861.6	852.5
40°	786.3	800.4	804.4	812.4	815.4	818.4	821.4	830.5	835.5	826.5
42.5°	756.3	771.3	776.3	784.3	787.3	790.4	794.4	804.4	808.4	800.4
45°	725.2	741.2	747.2	755.3	759.3	762.3	766.3	775.3	780.3	772.3
47.5°	694.1	710.1	716.1	725.2	729.2	733.2	736.2	747.2	752.2	744.2
50°	661.0	679.0	686.0	694.1	700.1	703.1	707.1	717.1	722.2	715.1
52.5°	627.9	646.9	655.0	663.0	669.0	674.0	676.0	687.0	692.1	685.0
55°	593.8	612.8	621.9	630.9	636.9	642.9	644.9	656.0	661.0	650.9
57.5°	559.7	579.7	588.8	598.8	603.8	610.8	613.8	623.9	628.9	621.9
60°	525.6	544.6	555.7	564.7	571.7	577.7	579.7	590.8	595.8	586.7
62.5°	490.5	510.5	521.6	531.6	537.6	544.6	547.6	557.7	561.7	552.6
65°	454.4	474.4	486.5	495.5	503.5	509.5	511.5	522.6	526.6	517.5
67.5°	418.2	438.3	451.3	461.4	468.4	475.4	477.4	488.5	492.5	485.4
70°	383.1	403.2	416.2	428.3	433.3	440.3	443.3	453.4	457.4	451.3
72.5°	348.0	368.1	382.1	394.2	399.2	406.2	410.2	418.2	424.3	419.2
75°	313.9	334.0	348.0	360.1	365.1	372.1	376.1	384.1	388.2	384.1
77.5°	280.8	300.9	313.9	326.0	332.0	338.0	342.0	350.0	355.1	351.0
80°	248.7	268.8	281.8	292.9	298.9	304.9	308.9	317.9	322.0	319.0
82.5°	218.7	237.7	251.8	262.8	268.8	274.8	278.8	286.9	291.9	287.9
85°	191.6	210.6	223.7	234.7	239.7	245.7	249.7	257.8	261.8	259.8
87.5°	165.5	182.5	197.6	208.6	213.6	219.7	224.7	230.7	235.7	232.7
90°	145.4	160.5	174.5	185.6	191.6	197.6	203.6	209.6	213.6	211.6
92.5°	146.4	160.5	173.5	183.5	189.6	195.6	201.6	208.6	211.6	209.6
95°	146.4	160.5	173.5	183.5	189.6	195.6	201.6	208.6	211.6	209.6
97.5°	146.4	160.5	173.5	183.5	189.6	195.6	201.6	208.6	211.6	208.6
100°	146.4	160.5	173.5	183.5	189.6	194.6	200.6	207.6	210.6	208.6
102.5°	146.4	160.5	172.5	182.5	188.6	193.6	199.6	206.6	209.6	207.6
105°	146.4	159.5	172.5	181.5	187.6	192.6	198.6	204.6	207.6	205.6
107.5°	145.4	158.5	170.5	180.5	185.6	190.6	196.6	202.6	205.6	203.6
110°	145.4	157.5	169.5	178.5	183.5	188.6	194.6	200.6	203.6	201.6

TEST NUMBER: P894215

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	144.4	156.5	168.5	176.5	181.5	186.6	191.6	198.6	201.6	199.6
115°	143.4	155.5	166.5	174.5	179.5	183.5	189.6	196.6	198.6	197.6
117.5°	142.4	153.5	164.5	172.5	177.5	181.5	186.6	192.6	195.6	194.6
120°	141.4	151.5	162.5	169.5	174.5	178.5	182.5	188.6	191.6	189.6
122.5°	139.4	149.4	160.5	167.5	171.5	175.5	179.5	184.6	187.6	186.6
125°	137.4	147.4	157.5	164.5	168.5	171.5	175.5	180.5	182.5	181.5
127.5°	135.4	145.4	154.5	160.5	165.5	168.5	171.5	176.5	178.5	177.5
130°	133.4	142.4	151.5	157.5	161.5	164.5	167.5	172.5	173.5	173.5
132.5°	131.4	139.4	148.4	154.5	158.5	160.5	163.5	167.5	169.5	168.5
135°	129.4	136.4	145.4	150.4	153.5	156.5	159.5	163.5	164.5	164.5
137.5°	126.4	133.4	141.4	146.4	149.4	151.5	154.5	158.5	159.5	159.5
140°	123.4	130.4	137.4	141.4	145.4	147.4	149.4	153.5	154.5	154.5
142.5°	120.4	126.4	133.4	137.4	141.4	142.4	145.4	148.4	149.4	149.4
145°	116.3	123.4	129.4	133.4	136.4	137.4	140.4	143.4	143.4	144.4
147.5°	111.3	117.3	125.4	128.4	131.4	132.4	135.4	137.4	138.4	138.4
150°	106.3	112.3	119.4	124.4	127.4	128.4	129.4	132.4	132.4	133.4
152.5°	101.3	106.3	113.3	118.4	122.4	123.4	124.4	126.4	126.4	127.4
155°	96.3	100.3	106.3	111.3	115.3	117.3	119.4	121.4	121.4	122.4
157.5°	92.3	96.3	101.3	105.3	108.3	111.3	114.3	116.3	116.3	116.3
160°	87.3	90.3	95.3	98.3	102.3	104.3	109.3	111.3	111.3	112.3
162.5°	84.3	85.3	88.3	91.3	94.3	96.3	101.3	106.3	106.3	107.3
165°	85.3	84.3	85.3	86.3	88.3	89.3	92.3	99.3	101.3	102.3
167.5°	87.3	84.3	84.3	84.3	86.3	86.3	89.3	93.3	100.3	98.3
170°	87.3	84.3	82.2	82.2	83.2	82.2	84.3	87.3	91.3	95.3
172.5°	88.3	85.3	82.2	78.2	79.2	78.2	76.2	76.2	77.2	90.3
175°	87.3	85.3	81.2	76.2	75.2	72.2	66.2	61.2	58.2	45.1
177.5°	86.3	83.2	80.2	76.2	74.2	71.2	64.2	56.2	48.1	46.1
180°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2

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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	14.83	16.15	15.44	16.78	17.50	17.38	18.70	17.99	19.33	20.05
	3H	16.23	17.43	16.86	18.07	18.83	19.81	21.01	20.43	21.65	22.40
	4H	16.66	17.80	17.31	18.45	19.22	20.95	22.08	21.59	22.74	23.51
	6H	16.90	17.95	17.56	18.62	19.40	22.08	23.14	22.74	23.81	24.59
	8H	16.94	17.95	17.61	18.64	19.43	22.64	23.65	23.31	24.34	25.13
	12H	16.95	17.92	17.63	18.60	19.42	23.23	24.19	23.90	24.87	25.69
4H	2H	15.72	16.85	16.37	17.51	18.28	17.73	18.86	18.38	19.52	20.29
	3H	17.34	18.31	18.00	19.00	19.79	20.36	21.32	21.02	22.02	22.81
	4H	17.89	18.78	18.58	19.48	20.30	21.65	22.53	22.33	23.23	24.05
	6H	18.23	19.01	18.93	19.73	20.56	22.96	23.74	23.66	24.46	25.29
	8H	18.31	19.04	19.01	19.76	20.60	23.62	24.35	24.32	25.07	25.91
	12H	18.34	19.00	19.07	19.75	20.59	24.32	24.98	25.04	25.72	26.57
8H	4H	18.54	19.28	19.25	19.99	20.83	21.80	22.53	22.50	23.25	24.09
	6H	19.05	19.67	19.78	20.43	21.27	23.26	23.87	23.99	24.63	25.48
	8H	19.20	19.76	19.95	20.52	21.38	24.04	24.59	24.78	25.35	26.21
	12H	19.29	19.79	20.04	20.54	21.46	24.90	25.39	25.64	26.14	27.06
12H	4H	18.71	19.37	19.43	20.11	20.96	21.79	22.45	22.52	23.20	24.04
	6H	19.31	19.86	20.05	20.62	21.48	23.27	23.83	24.02	24.59	25.45
	8H	19.54	20.03	20.29	20.79	21.70	24.11	24.60	24.85	25.35	26.27