

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: P894216

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894216
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-CC93-HI-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 3500K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

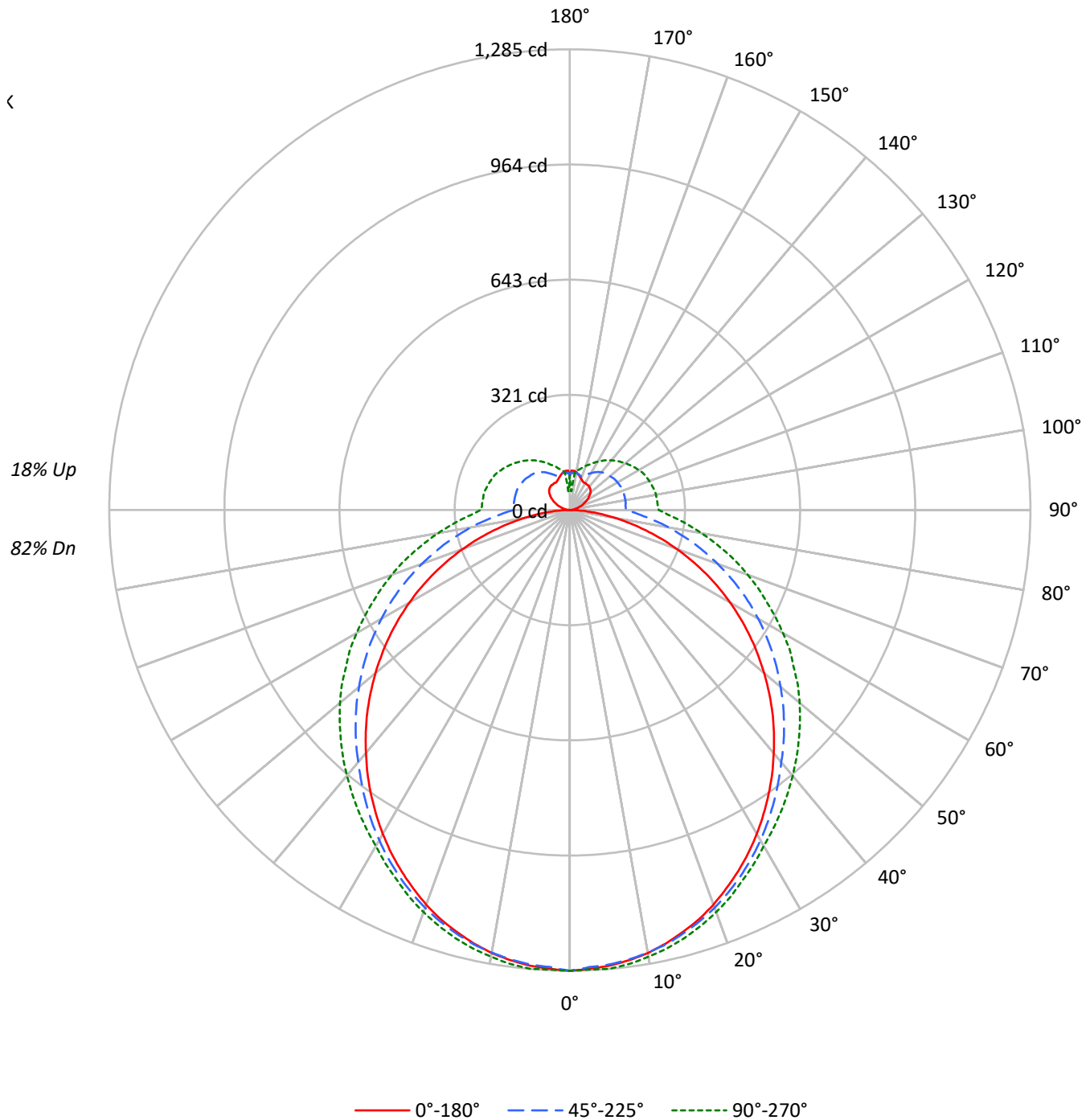
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4859.0 lumens
Efficiency: N/A
Efficacy: 95.8 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): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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-CC93-HI-3500K

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°	9145	9145	9145
5°	9071	8762	8752
10°	8983	8426	8336
15°	8851	8089	7939
20°	8704	7744	7535
25°	8519	7384	7126
30°	8322	7017	6754
35°	8104	6649	6447
40°	7874	6286	6154
45°	7643	5970	5875
50°	7374	5643	5604
55°	7085	5321	5301
60°	6739	4976	5014
65°	6325	4614	4688
70°	5785	4216	4386
75°	5048	3808	4059
80°	4079	3373	3724
85°	2819	2931	3417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	2.5
10°-20°	346.7	7.1
20°-30°	520.8	10.7
30°-40°	625.4	12.9
40°-50°	657.6	13.5
50°-60°	617.9	12.7
60°-70°	513.8	10.6
70°-80°	366.6	7.5
80°-90°	218.2	4.5
90°-100°	158.0	3.3
100°-110°	155.9	3.2
110°-120°	146.4	3.0
120°-130°	129.7	2.7
130°-140°	107.5	2.2
140°-150°	80.5	1.7
150°-160°	52.9	1.1
160°-170°	30.0	0.6
170°-180°	9.6	0.2
0°-30°	989.0	20.4
0°-40°	1614.4	33.2
0°-60°	2889.9	59.5
0°-90°	3988.5	82.1
90°-120°	460.3	9.5
90°-150°	778.0	16.0
90°-180°	870.0	17.9
0°-180°	4859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1276	1291	1272	1276	1284	121
15°	1218	1237	1223	1231	1236	344
25°	1112	1133	1127	1137	1140	512
35°	967	990	993	1018	1027	605
45°	799	822	845	889	904	616
55°	614	638	689	745	762	548
65°	418	452	524	589	606	413
75°	220	269	358	427	450	233
85°	55	121	210	280	304	60
90°	0	69	156	224	248	4
95°	6	73	156	222	245	7
105°	22	81	157	220	241	24
115°	43	88	156	210	231	43
125°	66	94	151	197	212	59
135°	81	99	143	180	192	62
145°	86	96	129	160	169	54
155°	87	97	109	135	143	41
165°	100	106	102	103	120	28
175°	110	109	103	88	53	10
180°	96	96	96	96	96	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3
2.5°	1280.6	1284.1	1285.3	1297.0	1292.3	1297.0	1288.8	1279.4	1277.1	1282.9	1275.9
5°	1275.9	1279.4	1280.6	1292.3	1287.6	1291.2	1284.1	1274.7	1272.4	1279.4	1272.4
7.5°	1266.5	1270.0	1271.2	1284.1	1278.2	1282.9	1274.7	1265.3	1264.2	1271.2	1264.2
10°	1254.8	1258.3	1259.5	1271.2	1266.5	1271.2	1263.0	1253.6	1252.4	1260.6	1253.6
12.5°	1238.3	1241.9	1244.2	1255.9	1250.1	1255.9	1246.6	1237.2	1238.3	1245.4	1240.7
15°	1218.4	1223.1	1224.3	1236.0	1231.3	1237.2	1227.8	1218.4	1220.7	1227.8	1223.1
17.5°	1197.3	1201.9	1203.1	1213.7	1209.0	1216.0	1205.5	1197.3	1199.6	1206.6	1203.1
20°	1171.4	1176.1	1178.5	1189.0	1184.3	1191.4	1180.8	1173.8	1176.1	1184.3	1180.8
22.5°	1142.1	1149.1	1150.3	1162.0	1156.2	1163.2	1152.7	1146.8	1150.3	1158.5	1155.0
25°	1111.6	1118.6	1119.8	1131.5	1126.8	1132.7	1122.1	1116.3	1121.0	1129.2	1126.8
27.5°	1078.7	1085.7	1088.1	1098.7	1094.0	1101.0	1089.3	1085.7	1090.4	1098.7	1096.3
30°	1043.5	1050.5	1051.7	1062.3	1058.7	1065.8	1055.2	1050.5	1057.6	1065.8	1063.4
32.5°	1005.9	1013.0	1016.5	1025.9	1022.4	1028.2	1018.8	1016.5	1022.4	1030.6	1029.4
35°	967.2	974.2	977.8	988.3	983.6	989.5	980.1	977.8	987.1	993.0	993.0
37.5°	927.3	934.3	937.8	948.4	942.5	949.6	940.2	939.0	949.6	955.5	955.5
40°	885.0	893.2	896.8	906.2	901.5	907.3	899.1	900.3	909.7	916.7	917.9
42.5°	842.8	851.0	854.5	865.1	859.2	865.1	858.0	859.2	869.8	876.8	882.7
45°	799.3	806.4	809.9	821.6	814.6	821.6	814.6	817.0	827.5	838.1	845.1
47.5°	753.6	760.6	766.5	775.9	770.0	775.9	771.2	774.7	787.6	798.2	807.6
50°	707.8	714.8	720.7	728.9	723.0	731.3	725.4	730.1	746.5	757.1	767.7
52.5°	660.8	666.7	676.1	680.8	676.1	685.5	680.8	687.8	704.3	717.2	728.9
55°	613.9	619.8	629.1	632.7	628.0	638.5	635.0	644.4	662.0	676.1	689.0
57.5°	565.8	571.6	579.8	583.4	579.8	591.6	590.4	601.0	618.6	633.8	647.9
60°	516.5	522.3	529.4	532.9	532.9	544.6	544.6	557.5	576.3	590.4	606.8
62.5°	468.3	471.9	478.9	483.6	487.1	498.9	498.9	512.9	532.9	549.3	565.8
65°	417.9	421.4	427.3	433.1	439.0	451.9	453.1	468.3	488.3	504.7	523.5
67.5°	367.4	370.9	376.8	383.8	392.0	405.0	407.3	423.7	444.9	463.6	481.2
70°	318.1	319.3	326.3	335.7	345.1	358.0	361.5	379.1	401.4	420.2	439.0
72.5°	268.8	270.0	277.0	288.7	299.3	313.4	318.1	336.9	359.2	378.0	396.7
75°	219.5	220.7	230.1	244.1	255.9	268.8	274.7	294.6	316.9	336.9	358.0
77.5°	172.5	174.9	184.3	198.4	212.5	227.7	233.6	253.5	278.2	297.0	316.9
80°	129.1	131.5	142.0	157.3	172.5	186.6	193.7	213.6	239.5	258.2	280.5
82.5°	89.2	92.7	105.6	122.1	137.3	152.6	159.6	178.4	201.9	223.0	244.1
85°	55.2	59.9	72.8	90.4	106.8	120.9	127.9	147.9	170.2	190.2	210.1
87.5°	25.8	32.9	45.8	63.4	81.0	92.7	100.9	120.9	142.0	162.0	181.9
90°	0.0	10.6	23.5	41.1	58.7	69.3	78.6	97.4	118.6	137.3	156.1
92.5°	2.3	11.7	25.8	42.3	59.9	70.4	79.8	98.6	118.6	137.3	156.1
95°	5.9	12.9	27.0	44.6	62.2	72.8	81.0	99.8	119.7	138.5	156.1
97.5°	10.6	16.4	30.5	47.0	64.6	73.9	83.3	102.1	120.9	139.7	157.3
100°	14.1	18.8	32.9	49.3	66.9	76.3	85.7	103.3	122.1	140.9	157.3
102.5°	17.6	23.5	36.4	51.6	69.3	78.6	86.9	104.5	123.2	140.9	157.3
105°	22.3	27.0	38.7	55.2	71.6	81.0	89.2	106.8	124.4	142.0	157.3
107.5°	27.0	30.5	42.3	57.5	73.9	82.2	90.4	108.0	125.6	142.0	157.3
110°	32.9	35.2	45.8	59.9	75.1	84.5	92.7	109.2	125.6	142.0	157.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	38.7	38.7	49.3	62.2	77.5	85.7	93.9	110.3	126.8	142.0	157.3
115°	43.4	44.6	52.8	64.6	79.8	88.0	95.1	110.3	126.8	142.0	156.1
117.5°	49.3	49.3	57.5	66.9	81.0	89.2	97.4	111.5	126.8	140.9	154.9
120°	55.2	54.0	61.0	70.4	83.3	90.4	98.6	112.7	126.8	140.9	153.8
122.5°	61.0	58.7	63.4	72.8	84.5	92.7	98.6	112.7	126.8	139.7	152.6
125°	65.7	63.4	66.9	76.3	86.9	93.9	99.8	112.7	126.8	138.5	151.4
127.5°	70.4	68.1	71.6	78.6	88.0	93.9	100.9	112.7	126.8	137.3	149.1
130°	75.1	71.6	76.3	81.0	90.4	95.1	100.9	112.7	125.6	136.2	146.7
132.5°	78.6	75.1	79.8	83.3	91.6	96.2	102.1	112.7	124.4	135.0	145.5
135°	81.0	77.5	83.3	85.7	93.9	98.6	103.3	112.7	123.2	133.8	143.2
137.5°	83.3	78.6	85.7	88.0	95.1	99.8	103.3	111.5	122.1	131.5	140.9
140°	84.5	81.0	88.0	90.4	93.9	98.6	103.3	110.3	119.7	129.1	137.3
142.5°	85.7	81.0	89.2	91.6	93.9	97.4	102.1	108.0	117.4	125.6	133.8
145°	85.7	82.2	89.2	91.6	93.9	96.2	99.8	106.8	113.9	120.9	129.1
147.5°	85.7	83.3	90.4	92.7	95.1	95.1	97.4	104.5	110.3	117.4	124.4
150°	86.9	83.3	90.4	92.7	96.2	96.2	97.4	100.9	108.0	112.7	118.6
152.5°	85.7	84.5	89.2	93.9	96.2	97.4	97.4	98.6	104.5	109.2	113.9
155°	86.9	86.9	90.4	96.2	97.4	97.4	98.6	97.4	99.8	104.5	109.2
157.5°	89.2	91.6	91.6	97.4	99.8	99.8	100.9	99.8	98.6	99.8	104.5
160°	92.7	95.1	95.1	98.6	102.1	102.1	103.3	102.1	100.9	99.8	99.8
162.5°	96.2	98.6	98.6	99.8	103.3	104.5	105.6	104.5	103.3	100.9	99.8
165°	99.8	102.1	102.1	102.1	104.5	105.6	106.8	105.6	105.6	103.3	102.1
167.5°	103.3	105.6	105.6	104.5	105.6	106.8	108.0	106.8	106.8	105.6	103.3
170°	106.8	109.2	109.2	106.8	108.0	108.0	109.2	108.0	108.0	105.6	104.5
172.5°	109.2	111.5	110.3	109.2	109.2	109.2	109.2	108.0	106.8	104.5	104.5
175°	110.3	112.7	112.7	110.3	109.2	109.2	110.3	108.0	106.8	105.6	103.3
177.5°	110.3	112.7	112.7	110.3	110.3	109.2	110.3	109.2	109.2	106.8	104.5
180°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3
2.5°	1280.6	1279.4	1272.4	1280.6	1280.6	1278.2	1287.6	1286.5	1285.3	1282.9
5°	1275.9	1274.7	1267.7	1275.9	1275.9	1274.7	1284.1	1285.3	1286.5	1284.1
7.5°	1268.9	1267.7	1260.6	1268.9	1268.9	1267.7	1278.2	1279.4	1280.6	1277.1
10°	1258.3	1257.1	1250.1	1258.3	1259.5	1258.3	1266.5	1267.7	1270.0	1265.3
12.5°	1244.2	1244.2	1237.2	1245.4	1246.6	1245.4	1253.6	1255.9	1258.3	1252.4
15°	1226.6	1227.8	1221.9	1230.1	1231.3	1231.3	1239.5	1240.7	1244.2	1236.0
17.5°	1205.5	1207.8	1203.1	1211.3	1212.5	1213.7	1218.4	1221.9	1225.4	1216.0
20°	1183.2	1184.3	1180.8	1187.9	1190.2	1189.0	1194.9	1199.6	1203.1	1193.7
22.5°	1156.2	1157.3	1153.8	1160.9	1163.2	1164.4	1169.1	1175.0	1177.3	1169.1
25°	1125.7	1130.3	1128.0	1135.0	1137.4	1137.4	1142.1	1148.0	1151.5	1139.7
27.5°	1096.3	1102.2	1099.8	1106.9	1109.2	1110.4	1112.7	1119.8	1123.3	1112.7
30°	1063.4	1070.5	1069.3	1076.4	1078.7	1077.5	1082.2	1089.3	1094.0	1082.2
32.5°	1027.1	1036.4	1035.3	1044.7	1047.0	1048.2	1051.7	1061.1	1065.8	1055.2
35°	991.8	1002.4	1003.6	1014.1	1017.7	1018.8	1023.5	1032.9	1037.6	1027.1
37.5°	955.5	969.5	973.1	983.6	987.1	988.3	993.0	1003.6	1008.3	997.7
40°	920.2	936.7	941.4	950.8	954.3	957.8	961.3	971.9	977.8	967.2
42.5°	885.0	902.6	908.5	917.9	921.4	924.9	929.6	941.4	946.1	936.7
45°	848.6	867.4	874.5	883.9	888.6	892.1	896.8	907.3	913.2	903.8
47.5°	812.3	831.0	838.1	848.6	853.3	858.0	861.6	874.5	880.3	870.9
50°	773.5	794.6	802.9	812.3	819.3	822.8	827.5	839.3	845.1	836.9
52.5°	734.8	757.1	766.5	775.9	782.9	788.8	791.1	804.0	809.9	801.7
55°	694.9	717.2	727.7	738.3	745.3	752.4	754.7	767.7	773.5	761.8
57.5°	655.0	678.4	689.0	700.7	706.6	714.8	718.4	730.1	736.0	727.7
60°	615.1	637.4	650.3	660.8	669.1	676.1	678.4	691.4	697.2	686.7
62.5°	574.0	597.5	610.4	622.1	629.1	637.4	640.9	652.6	657.3	646.8
65°	531.7	555.2	569.3	579.8	589.2	596.3	598.6	611.5	616.2	605.7
67.5°	489.5	512.9	528.2	539.9	548.2	556.4	558.7	571.6	576.3	568.1
70°	448.4	471.9	487.1	501.2	507.1	515.3	518.8	530.5	535.2	528.2
72.5°	407.3	430.8	447.2	461.3	467.2	475.4	480.1	489.5	496.5	490.6
75°	367.4	390.9	407.3	421.4	427.3	435.5	440.2	449.6	454.3	449.6
77.5°	328.7	352.1	367.4	381.5	388.5	395.6	400.3	409.6	415.5	410.8
80°	291.1	314.6	329.8	342.7	349.8	356.8	361.5	372.1	376.8	373.3
82.5°	255.9	278.2	294.6	307.5	314.6	321.6	326.3	335.7	341.6	336.9
85°	224.2	246.5	261.8	274.7	280.5	287.6	292.3	301.7	306.4	304.0
87.5°	193.7	213.6	231.2	244.1	250.0	257.1	262.9	270.0	275.8	272.3
90°	170.2	187.8	204.2	217.1	224.2	231.2	238.3	245.3	250.0	247.7
92.5°	171.4	187.8	203.1	214.8	221.8	228.9	235.9	244.1	247.7	245.3
95°	171.4	187.8	203.1	214.8	221.8	228.9	235.9	244.1	247.7	245.3
97.5°	171.4	187.8	203.1	214.8	221.8	228.9	235.9	244.1	247.7	244.1
100°	171.4	187.8	203.1	214.8	221.8	227.7	234.8	243.0	246.5	244.1
102.5°	171.4	187.8	201.9	213.6	220.7	226.5	233.6	241.8	245.3	243.0
105°	171.4	186.6	201.9	212.5	219.5	225.4	232.4	239.5	243.0	240.6
107.5°	170.2	185.5	199.5	211.3	217.1	223.0	230.1	237.1	240.6	238.3
110°	170.2	184.3	198.4	208.9	214.8	220.7	227.7	234.8	238.3	235.9



TEST NUMBER: P894216
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	169.0	183.1	197.2	206.6	212.5	218.3	224.2	232.4	235.9	233.6
115°	167.9	181.9	194.8	204.2	210.1	214.8	221.8	230.1	232.4	231.2
117.5°	166.7	179.6	192.5	201.9	207.8	212.5	218.3	225.4	228.9	227.7
120°	165.5	177.2	190.2	198.4	204.2	208.9	213.6	220.7	224.2	221.8
122.5°	163.2	174.9	187.8	196.0	200.7	205.4	210.1	216.0	219.5	218.3
125°	160.8	172.5	184.3	192.5	197.2	200.7	205.4	211.3	213.6	212.5
127.5°	158.5	170.2	180.8	187.8	193.7	197.2	200.7	206.6	208.9	207.8
130°	156.1	166.7	177.2	184.3	189.0	192.5	196.0	201.9	203.1	203.1
132.5°	153.8	163.2	173.7	180.8	185.5	187.8	191.3	196.0	198.4	197.2
135°	151.4	159.6	170.2	176.1	179.6	183.1	186.6	191.3	192.5	192.5
137.5°	147.9	156.1	165.5	171.4	174.9	177.2	180.8	185.5	186.6	186.6
140°	144.4	152.6	160.8	165.5	170.2	172.5	174.9	179.6	180.8	180.8
142.5°	140.9	147.9	156.1	160.8	165.5	166.7	170.2	173.7	174.9	174.9
145°	136.2	144.4	151.4	156.1	159.6	160.8	164.3	167.9	167.9	169.0
147.5°	130.3	137.3	146.7	150.2	153.8	154.9	158.5	160.8	162.0	162.0
150°	124.4	131.5	139.7	145.5	149.1	150.2	151.4	154.9	154.9	156.1
152.5°	118.6	124.4	132.6	138.5	143.2	144.4	145.5	147.9	147.9	149.1
155°	112.7	117.4	124.4	130.3	135.0	137.3	139.7	142.0	142.0	143.2
157.5°	108.0	112.7	118.6	123.2	126.8	130.3	133.8	136.2	136.2	136.2
160°	102.1	105.6	111.5	115.0	119.7	122.1	127.9	130.3	130.3	131.5
162.5°	98.6	99.8	103.3	106.8	110.3	112.7	118.6	124.4	124.4	125.6
165°	99.8	98.6	99.8	100.9	103.3	104.5	108.0	116.2	118.6	119.7
167.5°	102.1	98.6	98.6	98.6	100.9	100.9	104.5	109.2	117.4	115.0
170°	102.1	98.6	96.2	96.2	97.4	96.2	98.6	102.1	106.8	111.5
172.5°	103.3	99.8	96.2	91.6	92.7	91.6	89.2	89.2	90.4	105.6
175°	102.1	99.8	95.1	89.2	88.0	84.5	77.5	71.6	68.1	52.8
177.5°	100.9	97.4	93.9	89.2	86.9	83.3	75.1	65.7	56.3	54.0
180°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2



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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	15.37	16.69	15.99	17.32	18.05	17.92	19.24	18.54	19.88	20.60
	3H	16.78	17.98	17.41	18.62	19.38	20.35	21.55	20.98	22.19	22.95
	4H	17.21	18.34	17.85	19.00	19.77	21.49	22.63	22.14	23.29	24.05
	6H	17.44	18.50	18.10	19.17	19.95	22.63	23.69	23.29	24.35	25.14
	8H	17.49	18.50	18.16	19.19	19.97	23.19	24.20	23.86	24.89	25.68
	12H	17.50	18.47	18.18	19.15	19.96	23.77	24.74	24.45	25.42	26.24
4H	2H	16.26	17.40	16.91	18.05	18.82	18.27	19.41	18.92	20.06	20.83
	3H	17.89	18.85	18.55	19.54	20.33	20.90	21.87	21.57	22.56	23.35
	4H	18.44	19.33	19.12	20.02	20.84	22.19	23.08	22.87	23.78	24.59
	6H	18.78	19.56	19.48	20.28	21.11	23.51	24.28	24.20	25.01	25.83
	8H	18.86	19.59	19.56	20.31	21.15	24.16	24.89	24.87	25.61	26.45
	12H	18.89	19.55	19.61	20.29	21.14	24.86	25.53	25.59	26.27	27.12
8H	4H	19.09	19.82	19.79	20.54	21.38	22.35	23.08	23.05	23.80	24.64
	6H	19.59	20.21	20.33	20.97	21.82	23.80	24.42	24.54	25.18	26.02
	8H	19.75	20.31	20.49	21.07	21.92	24.58	25.14	25.33	25.90	26.76
	12H	19.84	20.33	20.59	21.09	22.00	25.44	25.94	26.19	26.69	27.61
12H	4H	19.25	19.92	19.98	20.66	21.51	22.34	23.00	23.06	23.74	24.59
	6H	19.85	20.41	20.60	21.17	22.03	23.82	24.38	24.56	25.14	25.99
	8H	20.09	20.58	20.83	21.33	22.25	24.65	25.15	25.40	25.90	26.81