

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: P894325

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC93-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RNDU-UNV-CC93-HI-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 40
CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

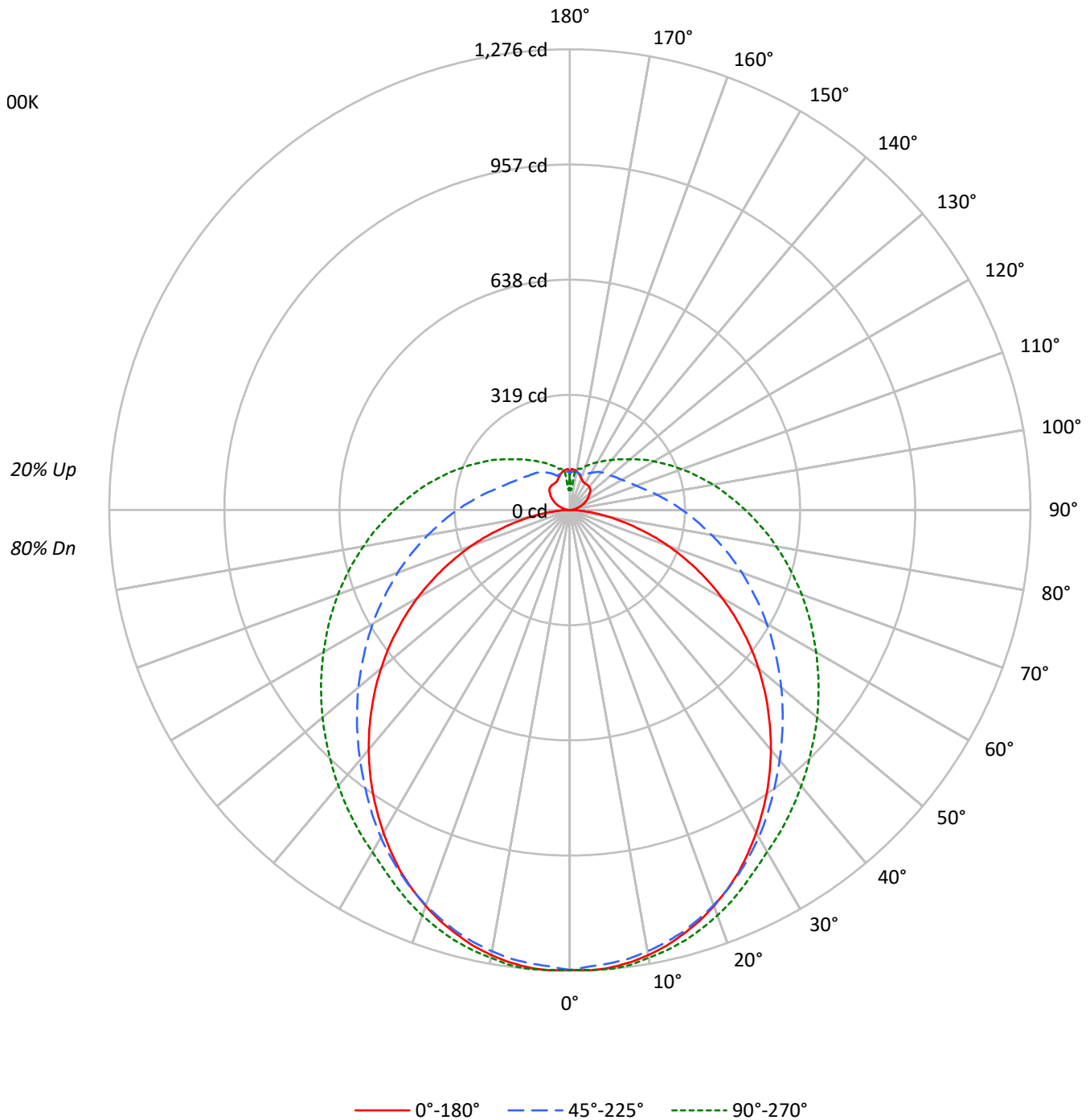
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5358.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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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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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9064	9064	9064
5°	9048	8680	8699
10°	8963	8342	8297
15°	8831	8000	7925
20°	8672	7639	7544
25°	8480	7276	7162
30°	8235	6910	6824
35°	7982	6533	6574
40°	7710	6193	6347
45°	7417	5890	6145
50°	7110	5622	5990
55°	6756	5373	5854
60°	6356	5169	5752
65°	5871	4988	5695
70°	5269	4878	5676
75°	4459	4797	5701
80°	3485	4796	5792
85°	2227	4920	5981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7417 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	2.2
10°-20°	343.7	6.4
20°-30°	516.0	9.6
30°-40°	620.5	11.6
40°-50°	657.4	12.3
50°-60°	633.1	11.8
60°-70°	560.3	10.5
70°-80°	459.6	8.6
80°-90°	356.6	6.7
90°-100°	276.8	5.2
100°-110°	219.3	4.1
110°-120°	174.7	3.3
120°-130°	138.8	2.6
130°-140°	108.4	2.0
140°-150°	79.8	1.5
150°-160°	52.7	1.0
160°-170°	30.4	0.6
170°-180°	9.8	0.2
0°-30°	980.2	18.3
0°-40°	1600.6	29.9
0°-60°	2891.0	54.0
0°-90°	4267.5	79.6
90°-120°	670.8	12.5
90°-150°	997.7	18.6
90°-180°	1091.0	20.4
0°-180°	5358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1273	1274	1260	1270	1276	121
15°	1216	1217	1210	1228	1234	343
25°	1107	1110	1110	1138	1145	509
35°	953	965	976	1027	1047	596
45°	776	794	834	913	945	599
55°	585	614	696	799	841	524
65°	388	441	566	685	736	384
75°	194	291	451	578	632	207
85°	44	176	353	481	532	50
90°	1	138	312	436	486	3
95°	6	114	275	394	442	6
105°	22	92	217	322	365	23
115°	44	88	181	263	298	43
125°	63	92	158	217	244	56
135°	80	98	142	182	199	61
145°	85	97	128	156	166	53
155°	86	101	110	133	141	41
165°	102	108	104	104	118	28
175°	113	112	107	88	59	11
180°	98	98	98	98	98	



TEST NUMBER: P894325
 CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-HI-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9
2.5°	1276.3	1275.1	1277.5	1279.9	1287.2	1277.5	1282.4	1269.0	1270.2	1271.4	1265.4
5°	1272.7	1269.0	1272.7	1275.1	1281.1	1273.9	1278.7	1264.2	1265.4	1267.8	1260.5
7.5°	1264.2	1260.5	1263.0	1265.4	1271.4	1264.2	1270.2	1255.7	1258.1	1259.3	1253.3
10°	1252.1	1247.2	1249.6	1253.3	1258.1	1252.1	1256.9	1243.6	1244.8	1247.2	1241.1
12.5°	1236.3	1231.5	1233.9	1236.3	1242.4	1236.3	1241.1	1227.8	1230.2	1232.7	1226.6
15°	1215.7	1210.8	1213.3	1215.7	1220.5	1216.9	1221.8	1208.4	1210.8	1215.7	1209.6
17.5°	1193.9	1186.6	1189.0	1192.7	1197.5	1195.1	1198.7	1187.8	1189.0	1193.9	1187.8
20°	1167.2	1159.9	1162.4	1166.0	1170.8	1169.6	1172.1	1162.4	1164.8	1170.8	1164.8
22.5°	1138.1	1130.9	1133.3	1138.1	1141.8	1141.8	1143.0	1135.7	1138.1	1144.2	1139.3
25°	1106.6	1099.3	1101.8	1106.6	1110.2	1110.2	1112.7	1105.4	1109.0	1115.1	1110.2
27.5°	1070.2	1066.6	1066.6	1071.5	1073.9	1076.3	1077.5	1071.5	1076.3	1082.4	1078.7
30°	1032.7	1027.8	1030.2	1036.3	1036.3	1041.2	1041.2	1036.3	1042.4	1049.6	1047.2
32.5°	992.7	989.0	990.3	997.5	997.5	1003.6	1002.4	999.9	1006.0	1014.5	1012.1
35°	952.7	949.0	950.3	957.5	957.5	964.8	962.4	962.4	968.4	978.1	975.7
37.5°	910.3	907.8	909.0	916.3	916.3	923.6	921.2	922.4	929.6	940.6	939.3
40°	866.6	864.2	866.6	872.7	875.1	881.2	878.7	881.2	890.9	900.6	904.2
42.5°	821.8	820.6	823.0	829.0	831.5	837.5	836.3	840.0	849.7	864.2	869.0
45°	775.7	775.7	778.1	784.2	786.6	793.9	792.7	797.5	809.7	825.4	833.9
47.5°	729.7	730.9	732.1	739.4	739.4	751.5	747.8	755.1	770.9	789.0	798.7
50°	682.4	684.8	686.0	692.1	694.5	705.4	703.0	715.1	732.1	751.5	764.8
52.5°	635.1	637.5	640.0	644.8	647.2	660.6	658.1	673.9	694.5	715.1	729.7
55°	585.4	590.3	591.5	597.5	601.2	614.5	614.5	632.7	654.5	677.5	695.7
57.5°	536.9	541.8	543.0	550.3	555.1	570.9	573.3	593.9	618.1	641.2	663.0
60°	487.2	493.3	494.5	501.8	510.3	527.2	530.9	553.9	580.6	604.8	630.3
62.5°	437.6	443.6	446.0	453.3	466.6	483.6	489.7	516.3	544.2	570.9	598.8
65°	387.9	393.9	397.6	407.3	423.0	441.2	449.7	477.6	509.1	536.9	566.0
67.5°	338.2	345.4	350.3	362.4	383.0	402.4	410.9	442.4	475.1	505.4	535.7
70°	289.7	297.0	303.0	318.8	343.0	362.4	373.3	407.3	441.2	473.9	507.9
72.5°	242.4	249.7	258.2	277.6	304.2	326.0	338.2	373.3	410.9	443.6	478.8
75°	193.9	202.4	212.1	238.8	269.1	290.9	304.2	341.8	380.6	413.3	450.9
77.5°	150.3	158.8	173.3	200.0	233.9	258.2	272.7	312.7	352.7	385.4	424.2
80°	110.3	118.8	138.2	167.3	202.4	225.4	243.6	284.8	326.0	360.0	398.8
82.5°	75.1	83.6	106.7	138.2	175.7	198.8	215.7	259.4	300.6	335.7	374.5
85°	43.6	55.8	80.0	113.9	152.7	175.7	192.7	237.6	277.6	312.7	352.7
87.5°	19.4	33.9	60.6	94.5	133.3	155.1	173.3	214.5	257.0	292.1	332.1
90°	1.2	19.4	47.3	80.0	117.6	138.2	155.1	196.4	236.4	272.7	311.5
92.5°	2.4	13.3	38.8	69.1	104.2	124.8	141.8	180.6	218.2	255.7	293.3
95°	6.1	13.3	33.9	61.8	94.5	113.9	129.7	167.3	202.4	238.8	275.1
97.5°	9.7	14.5	32.7	58.2	87.3	105.4	120.0	155.1	190.3	223.0	259.4
100°	13.3	18.2	32.7	55.8	82.4	99.4	112.7	145.4	178.2	208.5	244.8
102.5°	17.0	21.8	35.1	55.8	80.0	94.5	107.9	138.2	168.5	196.4	230.3
105°	21.8	25.5	37.6	55.8	77.6	92.1	103.0	130.9	160.0	186.7	217.0
107.5°	26.7	29.1	40.0	57.0	77.6	89.7	100.6	126.1	152.7	177.0	206.0
110°	32.7	33.9	43.6	59.4	77.6	88.5	98.2	122.4	146.7	169.7	196.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	37.6	37.6	47.3	61.8	77.6	88.5	97.0	118.8	141.8	162.4	187.9
115°	43.6	43.6	50.9	64.2	78.8	88.5	97.0	117.6	138.2	156.4	180.6
117.5°	48.5	48.5	55.8	66.7	81.2	89.7	97.0	115.1	134.5	151.5	173.3
120°	53.3	53.3	58.2	69.1	82.4	90.9	97.0	113.9	130.9	147.9	167.3
122.5°	58.2	58.2	61.8	72.7	83.6	90.9	97.0	112.7	128.5	143.0	161.2
125°	63.0	63.0	65.5	75.1	86.1	92.1	98.2	112.7	127.3	139.4	157.6
127.5°	67.9	66.7	70.3	78.8	87.3	93.3	99.4	112.7	124.8	137.0	152.7
130°	71.5	70.3	75.1	81.2	89.7	94.5	99.4	111.5	123.6	134.5	147.9
132.5°	76.4	73.9	80.0	82.4	92.1	97.0	100.6	111.5	122.4	132.1	145.4
135°	80.0	77.6	83.6	86.1	93.3	98.2	101.8	111.5	121.2	130.9	141.8
137.5°	82.4	81.2	87.3	89.7	94.5	99.4	103.0	111.5	120.0	128.5	139.4
140°	83.6	82.4	87.3	92.1	94.5	99.4	101.8	110.3	118.8	126.1	135.8
142.5°	84.8	84.8	88.5	93.3	94.5	98.2	101.8	109.1	116.4	122.4	133.3
145°	84.8	84.8	88.5	94.5	95.8	97.0	99.4	106.7	112.7	118.8	128.5
147.5°	84.8	84.8	89.7	94.5	97.0	98.2	97.0	104.2	110.3	115.1	123.6
150°	84.8	84.8	89.7	94.5	98.2	99.4	98.2	101.8	106.7	111.5	118.8
152.5°	86.1	86.1	89.7	94.5	98.2	99.4	99.4	99.4	103.0	107.9	115.1
155°	86.1	87.3	89.7	97.0	99.4	100.6	100.6	100.6	99.4	104.2	110.3
157.5°	89.7	90.9	92.1	98.2	100.6	101.8	101.8	101.8	100.6	99.4	105.4
160°	93.3	94.5	95.8	100.6	103.0	104.2	104.2	104.2	101.8	100.6	100.6
162.5°	97.0	99.4	99.4	101.8	104.2	105.4	105.4	106.7	104.2	103.0	101.8
165°	101.8	103.0	103.0	104.2	106.7	107.9	106.7	107.9	106.7	105.4	104.2
167.5°	105.4	106.7	106.7	107.9	107.9	109.1	109.1	109.1	107.9	106.7	106.7
170°	109.1	110.3	110.3	110.3	110.3	110.3	110.3	110.3	109.1	106.7	106.7
172.5°	111.5	112.7	112.7	111.5	111.5	111.5	111.5	110.3	107.9	106.7	106.7
175°	112.7	113.9	113.9	112.7	111.5	111.5	111.5	110.3	107.9	106.7	106.7
177.5°	113.9	115.1	113.9	113.9	111.5	111.5	111.5	111.5	109.1	107.9	106.7
180°	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9	1273.9
2.5°	1272.7	1258.1	1267.8	1269.0	1273.9	1269.0	1272.7	1269.0	1278.7	1275.1
5°	1267.8	1254.5	1263.0	1264.2	1270.2	1264.2	1270.2	1267.8	1279.9	1276.3
7.5°	1259.3	1248.4	1255.7	1256.9	1264.2	1258.1	1264.2	1261.8	1276.3	1271.4
10°	1247.2	1238.7	1246.0	1247.2	1254.5	1248.4	1253.3	1250.8	1266.6	1259.3
12.5°	1233.9	1226.6	1232.7	1233.9	1242.4	1236.3	1242.4	1239.9	1255.7	1248.4
15°	1214.5	1210.8	1216.9	1219.3	1227.8	1223.0	1229.0	1226.6	1243.6	1233.9
17.5°	1195.1	1192.7	1198.7	1201.1	1210.8	1204.8	1210.8	1208.4	1225.4	1215.7
20°	1170.8	1169.6	1175.7	1179.3	1187.8	1181.8	1189.0	1186.6	1204.8	1195.1
22.5°	1145.4	1145.4	1150.2	1153.9	1162.4	1157.5	1164.8	1163.6	1181.8	1172.1
25°	1117.5	1118.7	1123.6	1128.4	1138.1	1134.5	1140.5	1140.5	1157.5	1145.4
27.5°	1086.0	1092.1	1095.7	1101.8	1110.2	1106.6	1112.7	1113.9	1130.9	1118.7
30°	1053.3	1061.8	1065.4	1072.7	1079.9	1079.9	1086.0	1088.4	1105.4	1093.3
32.5°	1019.3	1029.0	1033.9	1043.6	1053.3	1053.3	1061.8	1065.4	1082.4	1071.5
35°	985.4	998.7	1004.8	1016.9	1026.6	1027.8	1036.3	1041.2	1058.1	1047.2
37.5°	952.7	969.6	975.7	990.3	998.7	1001.2	1010.9	1016.9	1032.7	1023.0
40°	918.7	939.3	946.6	962.4	969.6	974.5	984.2	991.5	1006.0	997.5
42.5°	886.0	909.0	916.3	933.3	941.8	946.6	956.3	966.0	980.6	972.1
45°	853.3	878.7	887.2	905.4	912.7	920.0	930.9	939.3	952.7	945.4
47.5°	821.8	848.4	856.9	876.3	884.8	893.3	903.0	915.1	927.2	920.0
50°	789.0	816.9	827.8	848.4	855.7	865.4	877.5	888.4	900.6	894.5
52.5°	757.5	786.6	797.5	819.4	827.8	837.5	849.7	861.8	872.7	867.8
55°	723.6	755.1	767.2	790.3	798.7	808.4	821.8	835.1	844.8	841.2
57.5°	692.1	724.8	736.9	762.4	769.7	781.8	795.1	809.7	818.1	814.5
60°	660.6	693.3	707.8	733.3	741.8	753.9	767.2	783.0	790.3	787.8
62.5°	629.1	663.0	678.8	705.4	712.7	726.0	741.8	755.1	762.4	761.2
65°	600.0	632.7	650.9	677.5	684.8	699.4	713.9	728.4	735.7	735.7
67.5°	569.7	604.8	623.0	650.9	656.9	672.7	688.4	703.0	709.1	709.1
70°	541.8	575.7	596.3	624.2	630.3	644.8	661.8	677.5	682.4	683.6
72.5°	513.9	547.9	569.7	598.8	604.8	619.4	635.1	652.1	655.7	656.9
75°	487.2	521.2	543.0	572.1	578.2	592.7	609.7	625.4	630.3	631.5
77.5°	460.6	494.5	518.8	546.6	552.7	567.2	584.2	600.0	603.6	606.0
80°	436.3	469.1	492.1	522.4	528.5	543.0	558.8	574.5	576.9	580.6
82.5°	412.1	444.8	469.1	498.2	504.2	518.8	534.5	550.3	552.7	557.5
85°	389.1	421.8	446.0	473.9	481.2	494.5	511.5	526.0	528.5	532.1
87.5°	368.5	398.8	424.2	450.9	458.2	471.5	488.5	503.0	504.2	509.1
90°	346.6	377.0	402.4	429.1	436.3	448.5	465.4	480.0	482.4	486.0
92.5°	328.5	356.3	383.0	408.5	414.5	427.9	443.6	458.2	460.6	464.2
95°	309.1	337.0	363.6	387.9	393.9	407.3	421.8	436.3	438.8	442.4
97.5°	292.1	318.8	344.2	368.5	374.5	386.6	402.4	415.7	418.2	423.0
100°	276.3	301.8	328.5	350.3	356.3	368.5	383.0	396.3	398.8	403.6
102.5°	261.8	286.0	311.5	332.1	339.4	350.3	364.8	377.0	379.4	383.0
105°	248.5	271.5	295.7	315.1	322.4	333.3	346.6	358.8	361.2	364.8
107.5°	235.1	257.0	280.0	299.4	305.4	315.1	328.5	340.6	343.0	347.9
110°	223.0	244.8	266.7	284.8	292.1	299.4	312.7	323.6	326.0	329.7



TEST NUMBER: P894325
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	212.1	231.5	253.3	270.3	276.3	284.8	295.7	306.7	309.1	313.9
115°	202.4	220.6	242.4	258.2	263.0	270.3	282.4	292.1	294.5	298.2
117.5°	193.9	209.7	229.1	244.8	250.9	257.0	267.9	276.3	280.0	282.4
120°	186.7	201.2	218.2	232.7	240.0	244.8	254.5	263.0	266.7	269.1
122.5°	179.4	192.7	208.5	221.8	227.9	231.5	242.4	249.7	253.3	257.0
125°	173.3	185.4	200.0	210.9	217.0	220.6	230.3	237.6	241.2	243.6
127.5°	167.3	178.2	192.7	201.2	207.3	209.7	218.2	225.4	229.1	230.3
130°	161.2	172.1	184.2	192.7	197.6	201.2	208.5	213.3	217.0	218.2
132.5°	156.4	166.1	177.0	185.4	190.3	191.5	198.8	203.6	207.3	208.5
135°	152.7	160.0	170.9	178.2	181.8	184.2	190.3	193.9	197.6	198.8
137.5°	147.9	155.1	164.8	169.7	174.5	175.7	181.8	185.4	189.1	190.3
140°	144.2	150.3	158.8	163.6	168.5	168.5	173.3	177.0	180.6	180.6
142.5°	140.6	146.7	153.9	158.8	162.4	162.4	167.3	169.7	173.3	173.3
145°	135.8	141.8	149.1	152.7	156.4	156.4	160.0	162.4	166.1	166.1
147.5°	130.9	137.0	144.2	146.7	150.3	150.3	153.9	156.4	158.8	158.8
150°	124.8	129.7	138.2	141.8	145.4	145.4	147.9	150.3	152.7	152.7
152.5°	120.0	123.6	130.9	135.8	139.4	139.4	141.8	144.2	146.7	146.7
155°	113.9	117.6	123.6	129.7	133.3	134.5	137.0	138.2	140.6	140.6
157.5°	109.1	112.7	117.6	122.4	126.1	128.5	132.1	133.3	134.5	134.5
160°	103.0	105.4	110.3	115.1	118.8	121.2	127.3	128.5	129.7	129.7
162.5°	100.6	100.6	103.0	106.7	110.3	111.5	117.6	122.4	124.8	123.6
165°	101.8	100.6	100.6	101.8	104.2	105.4	109.1	116.4	118.8	117.6
167.5°	104.2	101.8	100.6	100.6	103.0	103.0	106.7	112.7	120.0	117.6
170°	104.2	100.6	98.2	98.2	99.4	99.4	101.8	105.4	112.7	113.9
172.5°	103.0	100.6	97.0	92.1	93.3	92.1	90.9	93.3	94.5	106.7
175°	104.2	100.6	97.0	90.9	88.5	84.8	78.8	73.9	72.7	59.4
177.5°	103.0	99.4	94.5	89.7	87.3	82.4	75.1	66.7	61.8	54.5
180°	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2



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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	14.59	15.90	15.23	16.57	17.33	18.13	19.44	18.78	20.11	20.88
	3H	15.94	17.14	16.59	17.81	18.61	21.05	22.25	21.71	22.92	23.73
	4H	16.34	17.48	17.01	18.17	18.98	22.53	23.67	23.20	24.35	25.17
	6H	16.56	17.62	17.24	18.32	19.15	24.09	25.15	24.77	25.84	26.67
	8H	16.59	17.61	17.29	18.33	19.16	24.89	25.91	25.59	26.63	27.46
	12H	16.60	17.57	17.30	18.28	19.15	25.77	26.75	26.48	27.46	28.32
4H	2H	15.73	16.87	16.41	17.56	18.37	18.45	19.59	19.13	20.28	21.09
	3H	17.37	18.35	18.06	19.07	19.91	21.60	22.58	22.29	23.30	24.14
	4H	17.94	18.84	18.65	19.57	20.43	23.25	24.15	23.96	24.88	25.74
	6H	18.28	19.08	19.00	19.83	20.70	25.03	25.82	25.75	26.57	27.44
	8H	18.36	19.11	19.08	19.86	20.74	25.96	26.71	26.69	27.46	28.34
	12H	18.38	19.07	19.13	19.84	20.73	26.98	27.67	27.73	28.44	29.33
8H	4H	19.03	19.78	19.75	20.53	21.41	23.43	24.18	24.15	24.93	25.81
	6H	19.64	20.28	20.39	21.07	21.95	25.38	26.02	26.13	26.81	27.69
	8H	19.83	20.41	20.60	21.20	22.10	26.46	27.04	27.23	27.83	28.73
	12H	19.95	20.46	20.72	21.24	22.20	27.68	28.20	28.45	28.98	29.93
12H	4H	19.38	20.07	20.13	20.84	21.73	23.42	24.11	24.17	24.88	25.77
	6H	20.16	20.74	20.93	21.53	22.43	25.41	25.99	26.18	26.78	27.68
	8H	20.49	21.01	21.26	21.79	22.74	26.56	27.07	27.33	27.85	28.81