

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: P894217

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894217
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-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 4000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

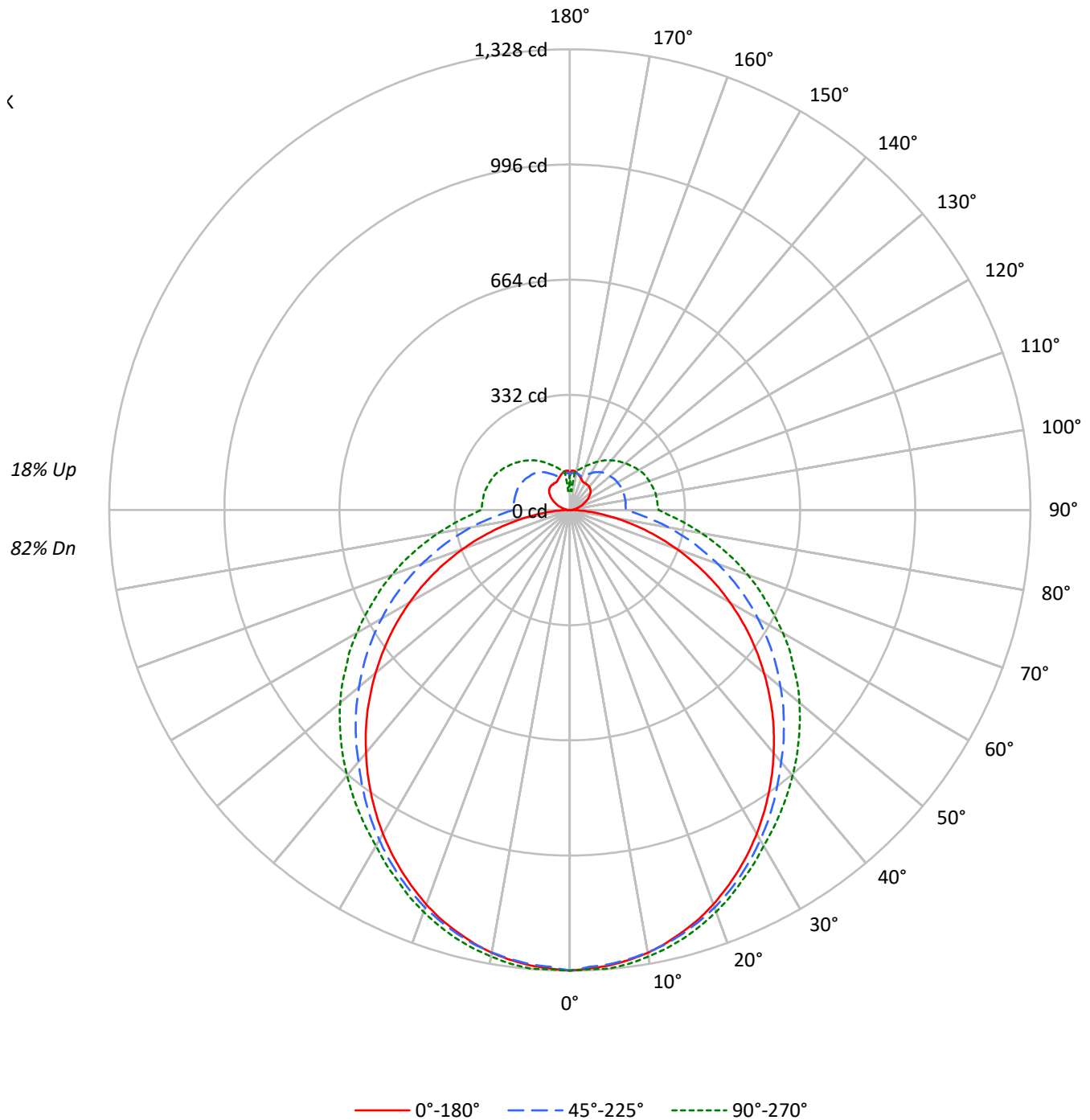
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5019.0 lumens
Efficiency: N/A
Efficacy: 99.0 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-4000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	9446	9446	9446
5°	9370	9051	9040
10°	9278	8704	8611
15°	9142	8356	8200
20°	8990	7999	7784
25°	8799	7627	7362
30°	8595	7249	6977
35°	8370	6868	6660
40°	8134	6493	6356
45°	7895	6166	6069
50°	7617	5828	5789
55°	7319	5496	5476
60°	6960	5140	5179
65°	6533	4765	4842
70°	5976	4354	4530
75°	5213	3934	4193
80°	4214	3485	3846
85°	2911	3027	3529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	2.5
10°-20°	358.1	7.1
20°-30°	538.0	10.7
30°-40°	646.0	12.9
40°-50°	679.3	13.5
50°-60°	638.2	12.7
60°-70°	530.7	10.6
70°-80°	378.7	7.5
80°-90°	225.4	4.5
90°-100°	163.2	3.3
100°-110°	161.0	3.2
110°-120°	151.2	3.0
120°-130°	134.0	2.7
130°-140°	111.1	2.2
140°-150°	83.1	1.7
150°-160°	54.7	1.1
160°-170°	31.0	0.6
170°-180°	9.9	0.2
0°-30°	1021.6	20.4
0°-40°	1667.6	33.2
0°-60°	2985.1	59.5
0°-90°	4119.9	82.1
90°-120°	475.4	9.5
90°-150°	803.6	16.0
90°-180°	899.0	17.9
0°-180°	5019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1318	1334	1314	1318	1326	125
15°	1258	1278	1263	1272	1277	355
25°	1148	1170	1164	1175	1177	529
35°	999	1022	1026	1051	1061	625
45°	826	849	873	918	934	636
55°	634	660	712	770	787	567
65°	432	467	541	609	626	427
75°	227	278	370	441	464	241
85°	57	125	217	290	314	62
90°	0	72	161	232	256	4
95°	6	75	161	229	253	7
105°	23	84	162	227	248	25
115°	45	91	161	217	239	45
125°	68	97	156	204	219	61
135°	84	102	148	186	199	64
145°	88	99	133	165	175	56
155°	90	101	113	139	148	42
165°	103	109	106	107	124	29
175°	114	113	107	91	55	11
180°	99	99	99	99	99	



TEST NUMBER: P894217
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1322.8	1326.4	1327.6	1339.7	1334.9	1339.7	1331.2	1321.5	1319.1	1325.2	1317.9
5°	1317.9	1321.5	1322.8	1334.9	1330.0	1333.7	1326.4	1316.7	1314.3	1321.5	1314.3
7.5°	1308.2	1311.8	1313.1	1326.4	1320.3	1325.2	1316.7	1307.0	1305.8	1313.1	1305.8
10°	1296.1	1299.7	1300.9	1313.1	1308.2	1313.1	1304.6	1294.9	1293.7	1302.1	1294.9
12.5°	1279.1	1282.8	1285.2	1297.3	1291.2	1297.3	1287.6	1277.9	1279.1	1286.4	1281.5
15°	1258.5	1263.4	1264.6	1276.7	1271.8	1277.9	1268.2	1258.5	1260.9	1268.2	1263.4
17.5°	1236.7	1241.5	1242.7	1253.7	1248.8	1256.1	1245.2	1236.7	1239.1	1246.4	1242.7
20°	1210.0	1214.9	1217.3	1228.2	1223.3	1230.6	1219.7	1212.4	1214.9	1223.3	1219.7
22.5°	1179.7	1187.0	1188.2	1200.3	1194.2	1201.5	1190.6	1184.5	1188.2	1196.7	1193.0
25°	1148.2	1155.4	1156.7	1168.8	1163.9	1170.0	1159.1	1153.0	1157.9	1166.4	1163.9
27.5°	1114.2	1121.5	1123.9	1134.8	1130.0	1137.3	1125.1	1121.5	1126.3	1134.8	1132.4
30°	1077.8	1085.1	1086.3	1097.2	1093.6	1100.9	1090.0	1085.1	1092.4	1100.9	1098.5
32.5°	1039.1	1046.3	1050.0	1059.7	1056.0	1062.1	1052.4	1050.0	1056.0	1064.5	1063.3
35°	999.0	1006.3	1010.0	1020.9	1016.0	1022.1	1012.4	1010.0	1019.7	1025.7	1025.7
37.5°	957.8	965.1	968.7	979.6	973.6	980.9	971.2	969.9	980.9	986.9	986.9
40°	914.2	922.7	926.3	936.0	931.1	937.2	928.7	929.9	939.6	946.9	948.1
42.5°	870.5	879.0	882.6	893.6	887.5	893.6	886.3	887.5	898.4	905.7	911.7
45°	825.7	832.9	836.6	848.7	841.4	848.7	841.4	843.9	854.8	865.7	872.9
47.5°	778.4	785.7	791.7	801.4	795.4	801.4	796.6	800.2	813.5	824.5	834.2
50°	731.1	738.4	744.4	752.9	746.9	755.3	749.3	754.1	771.1	782.0	792.9
52.5°	682.6	688.7	698.4	703.2	698.4	708.1	703.2	710.5	727.5	740.8	752.9
55°	634.1	640.2	649.9	653.5	648.6	659.6	655.9	665.6	683.8	698.4	711.7
57.5°	584.4	590.5	598.9	602.6	598.9	611.1	609.9	620.8	639.0	654.7	669.3
60°	533.5	539.5	546.8	550.4	550.4	562.6	562.6	575.9	595.3	609.9	626.8
62.5°	483.8	487.4	494.7	499.5	503.2	515.3	515.3	529.8	550.4	567.4	584.4
65°	431.6	435.3	441.3	447.4	453.4	466.8	468.0	483.8	504.4	521.3	540.7
67.5°	379.5	383.1	389.2	396.5	405.0	418.3	420.7	437.7	459.5	478.9	497.1
70°	328.6	329.8	337.1	346.8	356.5	369.8	373.4	391.6	414.7	434.0	453.4
72.5°	277.6	278.9	286.1	298.3	309.2	323.7	328.6	348.0	371.0	390.4	409.8
75°	226.7	227.9	237.6	252.2	264.3	277.6	283.7	304.3	327.4	348.0	369.8
77.5°	178.2	180.7	190.4	204.9	219.4	235.2	241.3	261.9	287.3	306.7	327.4
80°	133.4	135.8	146.7	162.5	178.2	192.8	200.1	220.7	247.3	266.7	289.8
82.5°	92.1	95.8	109.1	126.1	141.9	157.6	164.9	184.3	208.5	230.4	252.2
85°	57.0	61.8	75.2	93.4	110.3	124.9	132.2	152.8	175.8	196.4	217.0
87.5°	26.7	33.9	47.3	65.5	83.7	95.8	104.3	124.9	146.7	167.3	187.9
90°	0.0	10.9	24.2	42.4	60.6	71.5	81.2	100.6	122.5	141.9	161.3
92.5°	2.4	12.1	26.7	43.6	61.8	72.7	82.4	101.8	122.5	141.9	161.3
95°	6.1	13.3	27.9	46.1	64.3	75.2	83.7	103.1	123.7	143.1	161.3
97.5°	10.9	17.0	31.5	48.5	66.7	76.4	86.1	105.5	124.9	144.3	162.5
100°	14.5	19.4	33.9	50.9	69.1	78.8	88.5	106.7	126.1	145.5	162.5
102.5°	18.2	24.2	37.6	53.3	71.5	81.2	89.7	107.9	127.3	145.5	162.5
105°	23.0	27.9	40.0	57.0	74.0	83.7	92.1	110.3	128.5	146.7	162.5
107.5°	27.9	31.5	43.6	59.4	76.4	84.9	93.4	111.5	129.7	146.7	162.5
110°	33.9	36.4	47.3	61.8	77.6	87.3	95.8	112.8	129.7	146.7	162.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	40.0	40.0	50.9	64.3	80.0	88.5	97.0	114.0	130.9	146.7	162.5
115°	44.9	46.1	54.6	66.7	82.4	90.9	98.2	114.0	130.9	146.7	161.3
117.5°	50.9	50.9	59.4	69.1	83.7	92.1	100.6	115.2	130.9	145.5	160.0
120°	57.0	55.8	63.0	72.7	86.1	93.4	101.8	116.4	130.9	145.5	158.8
122.5°	63.0	60.6	65.5	75.2	87.3	95.8	101.8	116.4	130.9	144.3	157.6
125°	67.9	65.5	69.1	78.8	89.7	97.0	103.1	116.4	130.9	143.1	156.4
127.5°	72.7	70.3	74.0	81.2	90.9	97.0	104.3	116.4	130.9	141.9	154.0
130°	77.6	74.0	78.8	83.7	93.4	98.2	104.3	116.4	129.7	140.6	151.6
132.5°	81.2	77.6	82.4	86.1	94.6	99.4	105.5	116.4	128.5	139.4	150.3
135°	83.7	80.0	86.1	88.5	97.0	101.8	106.7	116.4	127.3	138.2	147.9
137.5°	86.1	81.2	88.5	90.9	98.2	103.1	106.7	115.2	126.1	135.8	145.5
140°	87.3	83.7	90.9	93.4	97.0	101.8	106.7	114.0	123.7	133.4	141.9
142.5°	88.5	83.7	92.1	94.6	97.0	100.6	105.5	111.5	121.2	129.7	138.2
145°	88.5	84.9	92.1	94.6	97.0	99.4	103.1	110.3	117.6	124.9	133.4
147.5°	88.5	86.1	93.4	95.8	98.2	98.2	100.6	107.9	114.0	121.2	128.5
150°	89.7	86.1	93.4	95.8	99.4	99.4	100.6	104.3	111.5	116.4	122.5
152.5°	88.5	87.3	92.1	97.0	99.4	100.6	100.6	101.8	107.9	112.8	117.6
155°	89.7	89.7	93.4	99.4	100.6	100.6	101.8	100.6	103.1	107.9	112.8
157.5°	92.1	94.6	94.6	100.6	103.1	103.1	104.3	103.1	101.8	103.1	107.9
160°	95.8	98.2	98.2	101.8	105.5	105.5	106.7	105.5	104.3	103.1	103.1
162.5°	99.4	101.8	101.8	103.1	106.7	107.9	109.1	107.9	106.7	104.3	103.1
165°	103.1	105.5	105.5	105.5	107.9	109.1	110.3	109.1	109.1	106.7	105.5
167.5°	106.7	109.1	109.1	107.9	109.1	110.3	111.5	110.3	110.3	109.1	106.7
170°	110.3	112.8	112.8	110.3	111.5	111.5	112.8	111.5	111.5	109.1	107.9
172.5°	112.8	115.2	114.0	112.8	112.8	112.8	112.8	111.5	110.3	107.9	107.9
175°	114.0	116.4	116.4	114.0	112.8	112.8	114.0	111.5	110.3	109.1	106.7
177.5°	114.0	116.4	116.4	114.0	114.0	112.8	114.0	112.8	112.8	110.3	107.9
180°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1322.8	1321.5	1314.3	1322.8	1322.8	1320.3	1330.0	1328.8	1327.6	1325.2
5°	1317.9	1316.7	1309.4	1317.9	1317.9	1316.7	1326.4	1327.6	1328.8	1326.4
7.5°	1310.6	1309.4	1302.1	1310.6	1310.6	1309.4	1320.3	1321.5	1322.8	1319.1
10°	1299.7	1298.5	1291.2	1299.7	1300.9	1299.7	1308.2	1309.4	1311.8	1307.0
12.5°	1285.2	1285.2	1277.9	1286.4	1287.6	1286.4	1294.9	1297.3	1299.7	1293.7
15°	1267.0	1268.2	1262.1	1270.6	1271.8	1271.8	1280.3	1281.5	1285.2	1276.7
17.5°	1245.2	1247.6	1242.7	1251.2	1252.4	1253.7	1258.5	1262.1	1265.8	1256.1
20°	1222.1	1223.3	1219.7	1227.0	1229.4	1228.2	1234.3	1239.1	1242.7	1233.0
22.5°	1194.2	1195.5	1191.8	1199.1	1201.5	1202.7	1207.6	1213.6	1216.1	1207.6
25°	1162.7	1167.6	1165.1	1172.4	1174.8	1174.8	1179.7	1185.8	1189.4	1177.3
27.5°	1132.4	1138.5	1136.0	1143.3	1145.7	1147.0	1149.4	1156.7	1160.3	1149.4
30°	1098.5	1105.7	1104.5	1111.8	1114.2	1113.0	1117.9	1125.1	1130.0	1117.9
32.5°	1060.9	1070.6	1069.4	1079.1	1081.5	1082.7	1086.3	1096.0	1100.9	1090.0
35°	1024.5	1035.4	1036.6	1047.5	1051.2	1052.4	1057.2	1066.9	1071.8	1060.9
37.5°	986.9	1001.5	1005.1	1016.0	1019.7	1020.9	1025.7	1036.6	1041.5	1030.6
40°	950.5	967.5	972.4	982.1	985.7	989.3	993.0	1003.9	1010.0	999.0
42.5°	914.2	932.4	938.4	948.1	951.8	955.4	960.2	972.4	977.2	967.5
45°	876.6	896.0	903.3	913.0	917.8	921.4	926.3	937.2	943.3	933.6
47.5°	839.0	858.4	865.7	876.6	881.4	886.3	889.9	903.3	909.3	899.6
50°	799.0	820.8	829.3	839.0	846.3	849.9	854.8	866.9	872.9	864.5
52.5°	759.0	782.0	791.7	801.4	808.7	814.8	817.2	830.5	836.6	828.1
55°	717.8	740.8	751.7	762.6	769.9	777.2	779.6	792.9	799.0	786.9
57.5°	676.5	700.8	711.7	723.8	729.9	738.4	742.0	754.1	760.2	751.7
60°	635.3	658.3	671.7	682.6	691.1	698.4	700.8	714.1	720.2	709.3
62.5°	592.9	617.1	630.5	642.6	649.9	658.3	662.0	674.1	679.0	668.0
65°	549.2	573.5	588.0	598.9	608.6	615.9	618.3	631.7	636.5	625.6
67.5°	505.6	529.8	545.6	557.7	566.2	574.7	577.1	590.5	595.3	586.8
70°	463.1	487.4	503.2	517.7	523.8	532.3	535.9	548.0	552.9	545.6
72.5°	420.7	445.0	461.9	476.5	482.5	491.0	495.9	505.6	512.9	506.8
75°	379.5	403.7	420.7	435.3	441.3	449.8	454.7	464.4	469.2	464.4
77.5°	339.5	363.7	379.5	394.0	401.3	408.6	413.4	423.1	429.2	424.4
80°	300.7	324.9	340.7	354.0	361.3	368.6	373.4	384.3	389.2	385.6
82.5°	264.3	287.3	304.3	317.7	324.9	332.2	337.1	346.8	352.8	348.0
85°	231.6	254.6	270.4	283.7	289.8	297.0	301.9	311.6	316.4	314.0
87.5°	200.1	220.7	238.8	252.2	258.2	265.5	271.6	278.9	284.9	281.3
90°	175.8	194.0	211.0	224.3	231.6	238.8	246.1	253.4	258.2	255.8
92.5°	177.0	194.0	209.8	221.9	229.1	236.4	243.7	252.2	255.8	253.4
95°	177.0	194.0	209.8	221.9	229.1	236.4	243.7	252.2	255.8	253.4
97.5°	177.0	194.0	209.8	221.9	229.1	236.4	243.7	252.2	255.8	252.2
100°	177.0	194.0	209.8	221.9	229.1	235.2	242.5	251.0	254.6	252.2
102.5°	177.0	194.0	208.5	220.7	227.9	234.0	241.3	249.8	253.4	251.0
105°	177.0	192.8	208.5	219.4	226.7	232.8	240.1	247.3	251.0	248.5
107.5°	175.8	191.6	206.1	218.2	224.3	230.4	237.6	244.9	248.5	246.1
110°	175.8	190.4	204.9	215.8	221.9	227.9	235.2	242.5	246.1	243.7



TEST NUMBER: P894217

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	174.6	189.1	203.7	213.4	219.4	225.5	231.6	240.1	243.7	241.3
115°	173.4	187.9	201.3	211.0	217.0	221.9	229.1	237.6	240.1	238.8
117.5°	172.2	185.5	198.8	208.5	214.6	219.4	225.5	232.8	236.4	235.2
120°	171.0	183.1	196.4	204.9	211.0	215.8	220.7	227.9	231.6	229.1
122.5°	168.5	180.7	194.0	202.5	207.3	212.2	217.0	223.1	226.7	225.5
125°	166.1	178.2	190.4	198.8	203.7	207.3	212.2	218.2	220.7	219.4
127.5°	163.7	175.8	186.7	194.0	200.1	203.7	207.3	213.4	215.8	214.6
130°	161.3	172.2	183.1	190.4	195.2	198.8	202.5	208.5	209.8	209.8
132.5°	158.8	168.5	179.4	186.7	191.6	194.0	197.6	202.5	204.9	203.7
135°	156.4	164.9	175.8	181.9	185.5	189.1	192.8	197.6	198.8	198.8
137.5°	152.8	161.3	171.0	177.0	180.7	183.1	186.7	191.6	192.8	192.8
140°	149.1	157.6	166.1	171.0	175.8	178.2	180.7	185.5	186.7	186.7
142.5°	145.5	152.8	161.3	166.1	171.0	172.2	175.8	179.4	180.7	180.7
145°	140.6	149.1	156.4	161.3	164.9	166.1	169.7	173.4	173.4	174.6
147.5°	134.6	141.9	151.6	155.2	158.8	160.0	163.7	166.1	167.3	167.3
150°	128.5	135.8	144.3	150.3	154.0	155.2	156.4	160.0	160.0	161.3
152.5°	122.5	128.5	137.0	143.1	147.9	149.1	150.3	152.8	152.8	154.0
155°	116.4	121.2	128.5	134.6	139.4	141.9	144.3	146.7	146.7	147.9
157.5°	111.5	116.4	122.5	127.3	130.9	134.6	138.2	140.6	140.6	140.6
160°	105.5	109.1	115.2	118.8	123.7	126.1	132.2	134.6	134.6	135.8
162.5°	101.8	103.1	106.7	110.3	114.0	116.4	122.5	128.5	128.5	129.7
165°	103.1	101.8	103.1	104.3	106.7	107.9	111.5	120.0	122.5	123.7
167.5°	105.5	101.8	101.8	101.8	104.3	104.3	107.9	112.8	121.2	118.8
170°	105.5	101.8	99.4	99.4	100.6	99.4	101.8	105.5	110.3	115.2
172.5°	106.7	103.1	99.4	94.6	95.8	94.6	92.1	92.1	93.4	109.1
175°	105.5	103.1	98.2	92.1	90.9	87.3	80.0	74.0	70.3	54.6
177.5°	104.3	100.6	97.0	92.1	89.7	86.1	77.6	67.9	58.2	55.8
180°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4



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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	15.48	16.80	16.10	17.44	18.16	18.04	19.36	18.65	19.99	20.71
	3H	16.89	18.09	17.52	18.73	19.49	20.46	21.66	21.09	22.31	23.06
	4H	17.32	18.46	17.97	19.11	19.88	21.61	22.74	22.25	23.40	24.17
	6H	17.56	18.61	18.22	19.28	20.06	22.74	23.80	23.40	24.47	25.25
	8H	17.60	18.61	18.27	19.30	20.09	23.30	24.31	23.97	25.00	25.79
	12H	17.61	18.58	18.29	19.26	20.08	23.88	24.85	24.56	25.53	26.35
4H	2H	16.37	17.51	17.02	18.17	18.94	18.38	19.52	19.04	20.18	20.95
	3H	18.00	18.97	18.66	19.66	20.45	21.02	21.98	21.68	22.68	23.46
	4H	18.55	19.44	19.23	20.14	20.95	22.31	23.19	22.99	23.89	24.71
	6H	18.89	19.67	19.59	20.39	21.22	23.62	24.40	24.32	25.12	25.94
	8H	18.97	19.70	19.67	20.42	21.26	24.28	25.01	24.98	25.73	26.57
	12H	19.00	19.66	19.72	20.41	21.25	24.98	25.64	25.70	26.38	27.23
8H	4H	19.20	19.93	19.91	20.65	21.49	22.46	23.19	23.16	23.91	24.75
	6H	19.71	20.32	20.44	21.08	21.93	23.91	24.53	24.65	25.29	26.14
	8H	19.86	20.42	20.61	21.18	22.04	24.69	25.25	25.44	26.01	26.87
	12H	19.95	20.45	20.70	21.20	22.12	25.56	26.05	26.30	26.80	27.72
12H	4H	19.37	20.03	20.09	20.77	21.62	22.45	23.11	23.17	23.86	24.70
	6H	19.96	20.52	20.71	21.28	22.14	23.93	24.49	24.68	25.25	26.11
	8H	20.20	20.69	20.95	21.45	22.36	24.76	25.26	25.51	26.01	26.93