

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: P895153

Luminaire Tested: 8TMB-6SL-RND-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-RND-UNV-L930
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

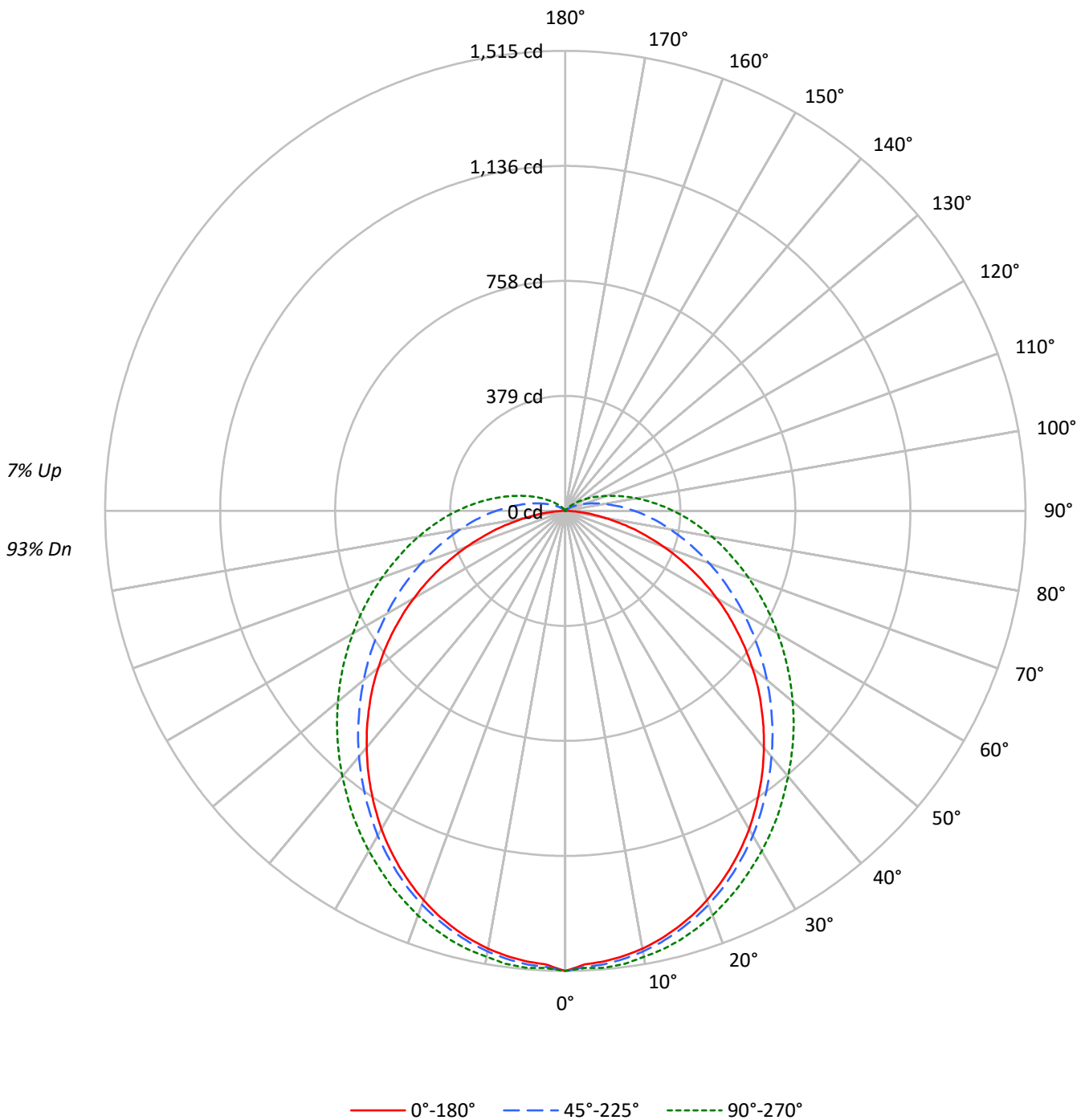
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015.1 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-6SL-RND-UNV-L930

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5375	5375	5375
5°	5303	5336	5379
10°	5274	5308	5373
15°	5221	5264	5373
20°	5152	5210	5353
25°	5063	5137	5323
30°	4959	5061	5298
35°	4837	4970	5288
40°	4711	4892	5287
45°	4580	4824	5323
50°	4436	4783	5391
55°	4275	4774	5522
60°	4088	4820	5728
65°	3861	4946	6071
70°	3578	5226	6653
75°	3234	5818	7718
80°	2736	7170	10026
85°	2219	11680	17180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 31626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	2.9
10°-20°	408.2	8.1
20°-30°	611.2	12.2
30°-40°	728.8	14.5
40°-50°	755.8	15.1
50°-60°	701.2	14.0
60°-70°	585.0	11.7
70°-80°	436.2	8.7
80°-90°	290.4	5.8
90°-100°	176.8	3.5
100°-110°	98.7	2.0
110°-120°	49.3	1.0
120°-130°	20.6	0.4
130°-140°	6.5	0.1
140°-150°	1.6	0.0
150°-160°	0.7	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1162.7	23.2
0°-40°	1891.5	37.7
0°-60°	3348.6	66.8
0°-90°	4660.1	92.9
90°-120°	324.8	6.5
90°-150°	353.6	7.1
90°-180°	355.0	7.1
0°-180°	5015.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1489	1523	1498	1507	1510	141
15°	1421	1458	1433	1459	1463	401
25°	1293	1328	1312	1349	1360	595
35°	1117	1146	1147	1204	1221	698
45°	913	936	961	1037	1061	704
55°	691	715	772	862	893	618
65°	460	497	589	689	723	455
75°	236	301	424	528	563	249
85°	54	149	287	385	422	61
90°	2	98	228	321	356	4
95°	0	60	175	263	294	0
105°	0	19	96	162	187	0
115°	1	5	45	91	109	1
125°	1	1	18	44	54	1
135°	1	1	5	15	20	1
145°	1	1	1	4	5	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9
2.5°	1494.7	1497.1	1518.5	1517.3	1513.7	1527.9	1531.5	1519.6	1500.7	1519.6	1503.0
5°	1488.8	1491.2	1512.5	1511.3	1507.8	1523.2	1524.4	1513.7	1494.7	1513.7	1498.3
7.5°	1478.2	1480.5	1501.9	1500.7	1498.3	1513.7	1512.5	1504.2	1484.1	1504.2	1487.6
10°	1463.9	1465.1	1487.6	1485.3	1484.1	1499.5	1495.9	1488.8	1468.7	1488.8	1473.4
12.5°	1445.0	1446.1	1468.7	1466.3	1466.3	1480.5	1475.8	1469.9	1449.7	1468.7	1455.6
15°	1421.3	1422.4	1443.8	1442.6	1442.6	1458.0	1450.9	1446.1	1427.2	1447.3	1433.1
17.5°	1395.2	1394.0	1416.5	1414.1	1416.5	1430.7	1421.3	1418.9	1401.1	1420.1	1408.2
20°	1364.4	1364.4	1384.5	1383.3	1386.9	1399.9	1388.1	1389.3	1371.5	1391.6	1379.8
22.5°	1330.0	1328.8	1348.9	1348.9	1352.5	1365.5	1352.5	1356.1	1338.3	1357.2	1347.8
25°	1293.2	1290.9	1311.0	1311.0	1316.9	1327.6	1313.4	1318.1	1301.5	1320.5	1312.2
27.5°	1252.9	1249.4	1269.5	1270.7	1275.5	1286.1	1270.7	1277.8	1262.4	1280.2	1274.3
30°	1210.3	1206.7	1226.9	1228.0	1234.0	1242.3	1226.9	1236.3	1222.1	1239.9	1235.2
32.5°	1164.0	1161.7	1180.6	1183.0	1188.9	1194.9	1180.6	1190.1	1178.3	1196.0	1191.3
35°	1116.6	1114.2	1132.0	1135.6	1141.5	1146.3	1130.8	1143.9	1133.2	1149.8	1147.4
37.5°	1068.0	1064.5	1083.4	1085.8	1092.9	1095.3	1081.1	1096.5	1087.0	1103.6	1102.4
40°	1017.0	1013.5	1032.5	1034.8	1041.9	1041.9	1030.1	1046.7	1039.6	1055.0	1056.2
42.5°	966.1	962.5	979.1	983.9	989.8	989.8	977.9	995.7	991.0	1006.4	1009.9
45°	912.7	909.2	924.6	929.3	936.4	936.4	924.6	944.7	941.2	956.6	961.3
47.5°	860.6	855.8	870.1	874.8	881.9	880.7	871.2	891.4	890.2	905.6	913.9
50°	803.7	800.1	814.3	819.1	827.4	825.0	817.9	839.2	839.2	854.7	866.5
52.5°	748.0	744.4	758.6	763.4	770.5	770.5	763.4	785.9	789.5	804.9	819.1
55°	691.1	686.3	700.6	705.3	713.6	714.8	708.9	731.4	738.5	756.3	771.7
57.5°	634.2	631.8	643.7	648.4	659.1	659.1	655.5	679.2	688.7	707.7	725.4
60°	576.1	573.7	584.4	590.3	602.2	604.5	602.2	627.1	640.1	659.1	679.2
62.5°	518.0	515.6	526.3	534.6	547.6	550.0	551.2	577.3	591.5	611.6	634.2
65°	459.9	457.6	468.2	477.7	493.1	496.7	500.2	527.5	544.1	565.4	589.1
67.5°	401.8	400.7	411.3	423.2	439.8	444.5	450.4	478.9	497.9	520.4	546.5
70°	344.9	343.8	354.4	368.6	388.8	394.7	401.8	430.3	454.0	477.7	503.8
72.5°	288.0	289.2	301.1	317.7	340.2	346.1	355.6	385.2	411.3	436.2	463.5
75°	235.9	235.9	248.9	267.9	292.8	301.1	311.8	342.6	369.8	395.9	424.4
77.5°	182.5	182.5	198.0	221.7	248.9	257.2	270.3	302.3	331.9	358.0	386.4
80°	133.9	136.3	154.1	177.8	206.3	216.9	232.3	264.3	296.3	322.4	350.9
82.5°	91.3	94.8	113.8	141.1	169.5	180.2	195.6	230.0	262.0	289.2	318.9
85°	54.5	60.5	80.6	107.9	137.5	149.4	166.0	198.0	230.0	257.2	286.9
87.5°	24.9	33.2	54.5	81.8	110.2	123.3	137.5	168.3	200.3	227.6	258.4
90°	2.4	14.2	35.6	59.3	86.5	98.4	112.6	142.2	173.1	198.0	227.6
92.5°	0.0	5.9	21.3	42.7	66.4	78.2	91.3	119.7	147.0	171.9	200.3
95°	0.0	2.4	11.9	29.6	49.8	60.5	72.3	98.4	125.6	149.4	175.4
97.5°	0.0	1.2	7.1	20.2	36.7	46.2	56.9	80.6	105.5	128.0	151.7
100°	0.0	1.2	3.6	13.0	27.3	34.4	45.0	65.2	87.7	107.9	131.6
102.5°	0.0	0.0	2.4	8.3	20.2	26.1	34.4	52.2	72.3	91.3	112.6
105°	0.0	0.0	1.2	5.9	14.2	19.0	26.1	41.5	59.3	75.9	96.0
107.5°	0.0	0.0	1.2	3.6	9.5	14.2	20.2	32.0	47.4	62.8	80.6
110°	1.2	1.2	1.2	2.4	7.1	10.7	14.2	24.9	39.1	52.2	67.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.2	1.2	1.2	1.2	4.7	7.1	10.7	19.0	30.8	41.5	55.7
115°	1.2	1.2	1.2	1.2	3.6	4.7	7.1	14.2	23.7	33.2	45.0
117.5°	1.2	1.2	1.2	1.2	2.4	3.6	4.7	10.7	17.8	26.1	36.7
120°	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.1	14.2	20.2	29.6
122.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	5.9	10.7	15.4	22.5
125°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.1	11.9	17.8
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.7	8.3	13.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	5.9	9.5
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.7	7.1
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.7
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.6
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
145°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
155°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
157.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
160°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
162.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
167.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2
170°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
172.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2
175°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
177.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9	1514.9
2.5°	1507.8	1511.3	1514.9	1505.4	1511.3	1522.0	1525.6	1511.3	1516.1	1506.6
5°	1503.0	1505.4	1510.2	1498.3	1506.6	1516.1	1522.0	1510.2	1517.3	1510.2
7.5°	1493.6	1495.9	1501.9	1490.0	1500.7	1509.0	1516.1	1504.2	1511.3	1504.2
10°	1479.3	1482.9	1491.2	1477.0	1490.0	1497.1	1504.2	1491.2	1498.3	1491.2
12.5°	1461.6	1467.5	1474.6	1461.6	1474.6	1480.5	1490.0	1477.0	1485.3	1479.3
15°	1440.2	1446.1	1455.6	1442.6	1459.2	1463.9	1473.4	1460.4	1468.7	1462.7
17.5°	1415.3	1422.4	1434.3	1418.9	1437.9	1441.4	1450.9	1439.0	1447.3	1441.4
20°	1386.9	1394.0	1405.8	1391.6	1410.6	1413.0	1423.6	1413.0	1421.3	1417.7
22.5°	1353.7	1362.0	1373.8	1360.8	1381.0	1381.0	1394.0	1383.3	1392.8	1389.3
25°	1319.3	1328.8	1341.8	1327.6	1348.9	1348.9	1363.2	1352.5	1362.0	1359.6
27.5°	1282.6	1293.2	1308.6	1294.4	1315.8	1314.6	1328.8	1319.3	1330.0	1326.4
30°	1243.5	1255.3	1270.7	1258.9	1281.4	1279.0	1293.2	1284.9	1294.4	1293.2
32.5°	1200.8	1213.8	1232.8	1219.7	1242.3	1239.9	1257.7	1248.2	1260.0	1257.7
35°	1158.1	1172.3	1191.3	1179.4	1204.3	1200.8	1218.6	1210.3	1222.1	1220.9
37.5°	1114.2	1129.7	1148.6	1139.1	1162.8	1159.3	1178.3	1171.1	1184.2	1180.6
40°	1069.2	1084.6	1104.8	1096.5	1121.4	1116.6	1136.8	1130.8	1143.9	1141.5
42.5°	1024.2	1040.8	1060.9	1056.2	1079.9	1075.1	1095.3	1090.5	1103.6	1101.2
45°	977.9	995.7	1017.0	1012.3	1037.2	1032.5	1052.6	1049.1	1062.1	1060.9
47.5°	931.7	950.7	972.0	969.6	993.3	988.6	1009.9	1006.4	1019.4	1019.4
50°	884.3	905.6	927.0	925.8	949.5	944.7	963.7	963.7	977.9	976.7
52.5°	836.9	859.4	881.9	881.9	905.6	900.9	922.2	921.0	935.3	935.3
55°	791.8	812.0	834.5	839.2	861.8	854.7	877.2	879.5	891.4	892.6
57.5°	746.8	768.1	790.6	796.6	817.9	813.2	834.5	836.9	848.7	849.9
60°	701.7	721.9	744.4	752.7	774.0	769.3	790.6	793.0	806.1	807.2
62.5°	656.7	676.8	701.7	710.0	730.2	726.6	749.2	751.5	763.4	765.7
65°	612.8	634.2	657.9	669.7	688.7	684.0	706.5	708.9	721.9	723.1
67.5°	570.2	591.5	615.2	628.2	646.0	643.7	665.0	669.7	680.4	682.8
70°	528.7	550.0	574.9	587.9	605.7	604.5	624.7	628.2	640.1	641.3
72.5°	488.4	509.7	534.6	550.0	565.4	564.2	584.4	589.1	601.0	602.2
75°	449.3	471.8	495.5	512.1	527.5	526.3	546.5	551.2	561.9	563.0
77.5°	412.5	435.0	459.9	476.5	489.6	490.7	508.5	513.3	523.9	527.5
80°	378.1	399.5	423.2	441.0	452.8	455.2	471.8	477.7	486.0	490.7
82.5°	344.9	366.3	390.0	406.6	418.4	420.8	436.2	443.3	451.6	455.2
85°	312.9	334.3	356.8	374.6	385.2	386.4	401.8	409.0	416.1	422.0
87.5°	282.1	303.5	324.8	343.8	353.2	355.6	369.8	376.9	382.9	388.8
90°	251.3	272.6	294.0	311.8	321.2	322.4	337.8	344.9	350.9	355.6
92.5°	222.8	244.2	265.5	283.3	291.6	294.0	307.0	315.3	320.0	324.8
95°	195.6	216.9	235.9	254.9	263.2	266.7	278.6	285.7	291.6	294.0
97.5°	171.9	190.8	208.6	227.6	234.7	238.3	250.1	258.4	263.2	265.5
100°	149.4	167.1	183.7	201.5	208.6	212.2	222.8	230.0	234.7	238.3
102.5°	129.2	145.8	161.2	177.8	184.9	187.3	196.8	203.9	208.6	212.2
105°	111.4	126.8	141.1	156.5	162.4	166.0	174.2	180.2	184.9	187.3
107.5°	94.8	110.2	122.1	136.3	142.2	144.6	152.9	160.0	163.6	164.8
110°	80.6	93.6	105.5	117.4	124.5	126.8	133.9	139.9	143.4	144.6



TEST NUMBER: P895153
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	67.6	79.4	90.1	100.8	106.7	109.1	116.2	122.1	124.5	125.6
115°	55.7	67.6	75.9	86.5	91.3	93.6	99.6	105.5	106.7	109.1
117.5°	45.0	55.7	64.0	72.3	77.0	79.4	84.2	88.9	91.3	92.5
120°	36.7	45.0	52.2	60.5	64.0	66.4	71.1	75.9	77.0	78.2
122.5°	29.6	36.7	42.7	49.8	53.3	55.7	59.3	62.8	64.0	65.2
125°	22.5	29.6	34.4	40.3	43.9	45.0	48.6	52.2	53.3	54.5
127.5°	17.8	22.5	27.3	32.0	34.4	35.6	39.1	41.5	42.7	43.9
130°	13.0	16.6	20.2	24.9	27.3	28.4	30.8	33.2	34.4	34.4
132.5°	9.5	13.0	15.4	19.0	20.2	21.3	23.7	26.1	26.1	27.3
135°	5.9	8.3	10.7	13.0	15.4	15.4	17.8	19.0	20.2	20.2
137.5°	4.7	5.9	7.1	9.5	10.7	11.9	11.9	14.2	14.2	14.2
140°	3.6	4.7	4.7	5.9	7.1	8.3	8.3	9.5	9.5	9.5
142.5°	2.4	3.6	3.6	4.7	4.7	5.9	5.9	5.9	7.1	7.1
145°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	4.7	4.7	4.7
147.5°	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6
150°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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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	16.13	17.67	16.60	18.12	18.61	17.70	19.24	18.17	19.70	20.18
	3H	17.81	19.21	18.29	19.68	20.20	20.33	21.73	20.81	22.20	22.72
	4H	18.41	19.74	18.91	20.22	20.76	21.64	22.97	22.14	23.45	23.99
	6H	18.80	20.04	19.32	20.54	21.10	23.04	24.28	23.56	24.78	25.34
	8H	18.92	20.11	19.45	20.63	21.19	23.79	24.98	24.32	25.50	26.06
	12H	19.00	20.14	19.53	20.65	21.24	24.64	25.78	25.18	26.30	26.89
4H	2H	17.06	18.39	17.56	18.87	19.41	18.25	19.58	18.76	20.07	20.61
	3H	19.04	20.17	19.55	20.70	21.26	21.17	22.31	21.69	22.83	23.40
	4H	19.81	20.85	20.35	21.39	21.99	22.69	23.73	23.23	24.27	24.87
	6H	20.39	21.31	20.95	21.88	22.49	24.34	25.26	24.89	25.82	26.43
	8H	20.58	21.44	21.14	22.01	22.63	25.22	26.08	25.78	26.65	27.27
	12H	20.70	21.49	21.28	22.08	22.71	26.22	27.01	26.80	27.60	28.23
8H	4H	20.69	21.56	21.25	22.12	22.74	23.05	23.92	23.62	24.49	25.11
	6H	21.57	22.31	22.17	22.92	23.54	24.96	25.69	25.55	26.30	26.93
	8H	21.92	22.59	22.53	23.20	23.84	26.04	26.70	26.65	27.32	27.96
	12H	22.19	22.79	22.80	23.39	24.10	27.30	27.90	27.91	28.50	29.21
12H	4H	20.97	21.76	21.55	22.35	22.98	23.10	23.88	23.68	24.48	25.10
	6H	22.02	22.69	22.63	23.31	23.95	25.07	25.73	25.67	26.35	26.99
	8H	22.54	23.14	23.15	23.74	24.45	26.26	26.86	26.87	27.46	28.17