

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: P895154

Luminaire Tested: 8TMB-6SL-RND-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895154
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-L935
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

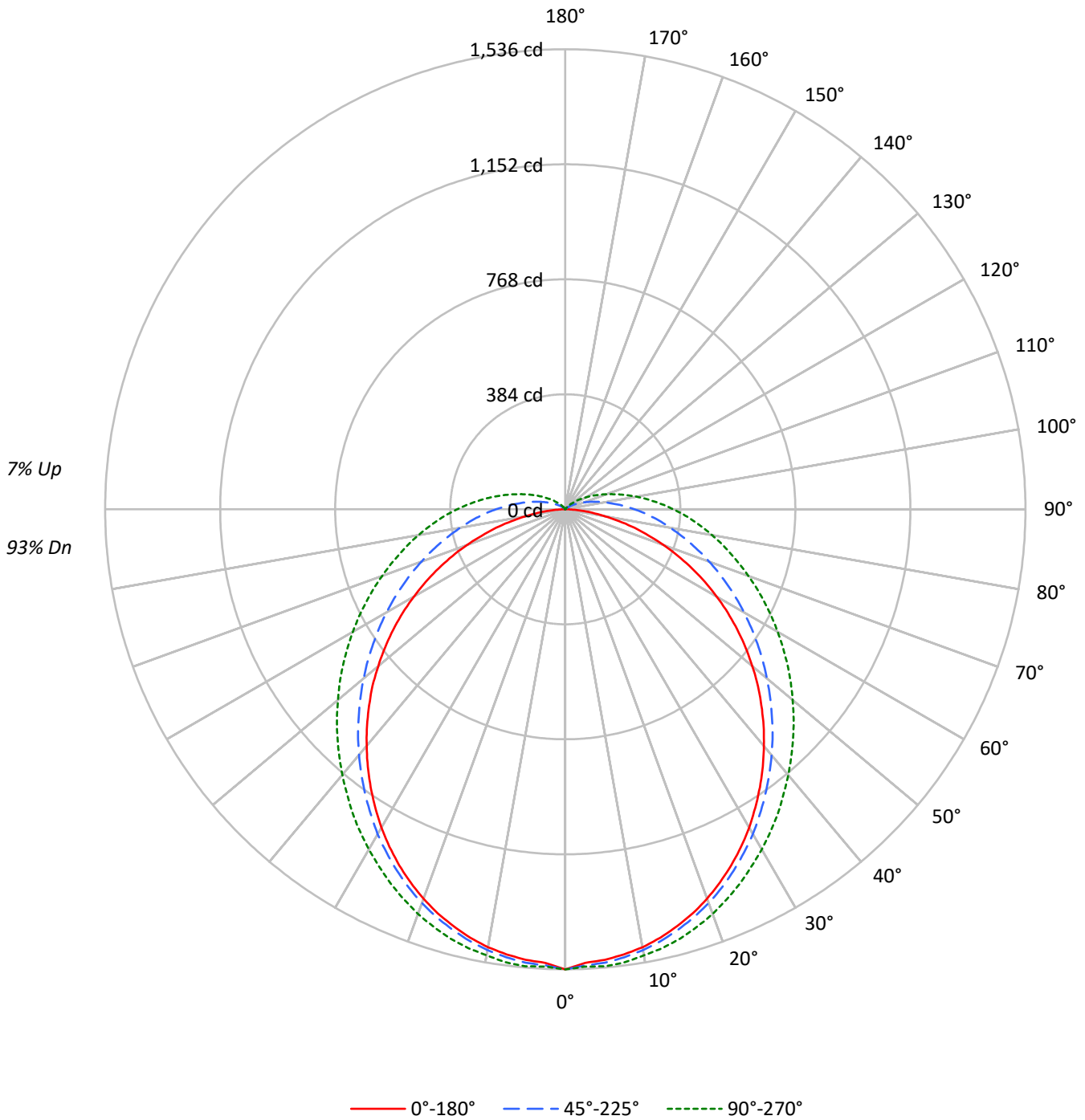
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5086.0 lumens
Efficiency: N/A
Efficacy: 120.5 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-L935

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	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°	5451	5451	5451
5°	5378	5412	5455
10°	5349	5384	5449
15°	5295	5339	5449
20°	5225	5284	5429
25°	5134	5210	5398
30°	5029	5132	5373
35°	4905	5041	5363
40°	4777	4961	5362
45°	4645	4892	5399
50°	4499	4851	5468
55°	4336	4841	5600
60°	4146	4888	5810
65°	3916	5016	6156
70°	3629	5300	6747
75°	3279	5900	7828
80°	2775	7270	10169
85°	2251	11843	17424

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 32074 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.3	2.9
10°-20°	414.0	8.1
20°-30°	619.9	12.2
30°-40°	739.1	14.5
40°-50°	766.5	15.1
50°-60°	711.2	14.0
60°-70°	593.3	11.7
70°-80°	442.3	8.7
80°-90°	294.5	5.8
90°-100°	179.3	3.5
100°-110°	100.1	2.0
110°-120°	50.0	1.0
120°-130°	20.9	0.4
130°-140°	6.6	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°	1179.1	23.2
0°-40°	1918.2	37.7
0°-60°	3396.0	66.8
0°-90°	4726.1	92.9
90°-120°	329.4	6.5
90°-150°	358.5	7.0
90°-180°	360.0	7.1
0°-180°	5086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1536	1536	1536	1536	1536	
5°	1510	1545	1520	1528	1532	143
15°	1441	1479	1453	1480	1484	406
25°	1312	1346	1331	1368	1379	604
35°	1132	1162	1164	1221	1238	708
45°	926	950	975	1052	1076	714
55°	701	725	783	874	905	627
65°	466	504	598	698	733	462
75°	239	305	430	535	571	253
85°	55	152	291	391	428	62
90°	2	100	231	326	361	4
95°	0	61	178	267	298	0
105°	0	19	97	165	190	0
115°	1	5	46	93	111	1
125°	1	1	18	44	55	1
135°	1	1	5	16	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	



TEST NUMBER: P895154
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1515.9	1518.3	1540.0	1538.8	1535.1	1549.6	1553.2	1541.2	1521.9	1541.2	1524.3
5°	1509.9	1512.3	1533.9	1532.7	1529.1	1544.8	1546.0	1535.1	1515.9	1535.1	1519.5
7.5°	1499.1	1501.5	1523.1	1521.9	1519.5	1535.1	1533.9	1525.5	1505.1	1525.5	1508.7
10°	1484.7	1485.9	1508.7	1506.3	1505.1	1520.7	1517.1	1509.9	1489.5	1509.9	1494.3
12.5°	1465.4	1466.6	1489.5	1487.1	1487.1	1501.5	1496.7	1490.7	1470.2	1489.5	1476.2
15°	1441.4	1442.6	1464.2	1463.0	1463.0	1478.6	1471.4	1466.6	1447.4	1467.8	1453.4
17.5°	1414.9	1413.7	1436.6	1434.2	1436.6	1451.0	1441.4	1439.0	1420.9	1440.2	1428.2
20°	1383.7	1383.7	1404.1	1402.9	1406.5	1419.7	1407.7	1408.9	1390.9	1411.3	1399.3
22.5°	1348.8	1347.6	1368.0	1368.0	1371.7	1384.9	1371.7	1375.3	1357.2	1376.5	1366.8
25°	1311.5	1309.1	1329.6	1329.6	1335.6	1346.4	1332.0	1336.8	1320.0	1339.2	1330.8
27.5°	1270.7	1267.1	1287.5	1288.7	1293.5	1304.3	1288.7	1295.9	1280.3	1298.3	1292.3
30°	1227.4	1223.8	1244.2	1245.4	1251.4	1259.9	1244.2	1253.8	1239.4	1257.4	1252.6
32.5°	1180.5	1178.1	1197.3	1199.7	1205.8	1211.8	1197.3	1207.0	1194.9	1213.0	1208.2
35°	1132.4	1130.0	1148.1	1151.7	1157.7	1162.5	1146.9	1160.1	1149.3	1166.1	1163.7
37.5°	1083.1	1079.5	1098.8	1101.2	1108.4	1110.8	1096.4	1112.0	1102.4	1119.2	1118.0
40°	1031.4	1027.8	1047.1	1049.5	1056.7	1056.7	1044.7	1061.5	1054.3	1069.9	1071.1
42.5°	979.8	976.1	993.0	997.8	1003.8	1003.8	991.8	1009.8	1005.0	1020.6	1024.2
45°	925.7	922.0	937.7	942.5	949.7	949.7	937.7	958.1	954.5	970.1	974.9
47.5°	872.8	868.0	882.4	887.2	894.4	893.2	883.6	904.0	902.8	918.4	926.9
50°	815.1	811.5	825.9	830.7	839.1	836.7	829.5	851.1	851.1	866.8	878.8
52.5°	758.6	755.0	769.4	774.2	781.4	781.4	774.2	797.0	800.6	816.3	830.7
55°	700.9	696.0	710.5	715.3	723.7	724.9	718.9	741.7	748.9	767.0	782.6
57.5°	643.2	640.7	652.8	657.6	668.4	668.4	664.8	688.8	698.4	717.7	735.7
60°	584.2	581.8	592.7	598.7	610.7	613.1	610.7	635.9	649.2	668.4	688.8
62.5°	525.3	522.9	533.8	542.2	555.4	557.8	559.0	585.4	599.9	620.3	643.2
65°	466.4	464.0	474.8	484.5	500.1	503.7	507.3	535.0	551.8	573.4	597.5
67.5°	407.5	406.3	417.1	429.2	446.0	450.8	456.8	485.7	504.9	527.7	554.2
70°	349.8	348.6	359.4	373.9	394.3	400.3	407.5	436.4	460.4	484.5	510.9
72.5°	292.1	293.3	305.3	322.2	345.0	351.0	360.6	390.7	417.1	442.4	470.0
75°	239.2	239.2	252.5	271.7	296.9	305.3	316.2	347.4	375.1	401.5	430.4
77.5°	185.1	185.1	200.8	224.8	252.5	260.9	274.1	306.5	336.6	363.0	391.9
80°	135.8	138.2	156.3	180.3	209.2	220.0	235.6	268.1	300.5	327.0	355.8
82.5°	92.6	96.2	115.4	143.1	171.9	182.7	198.4	233.2	265.7	293.3	323.4
85°	55.3	61.3	81.7	109.4	139.4	151.5	168.3	200.8	233.2	260.9	290.9
87.5°	25.2	33.7	55.3	82.9	111.8	125.0	139.4	170.7	203.2	230.8	262.1
90°	2.4	14.4	36.1	60.1	87.8	99.8	114.2	144.3	175.5	200.8	230.8
92.5°	0.0	6.0	21.6	43.3	67.3	79.3	92.6	121.4	149.1	174.3	203.2
95°	0.0	2.4	12.0	30.1	50.5	61.3	73.3	99.8	127.4	151.5	177.9
97.5°	0.0	1.2	7.2	20.4	37.3	46.9	57.7	81.7	107.0	129.8	153.9
100°	0.0	1.2	3.6	13.2	27.6	34.9	45.7	66.1	89.0	109.4	133.4
102.5°	0.0	0.0	2.4	8.4	20.4	26.4	34.9	52.9	73.3	92.6	114.2
105°	0.0	0.0	1.2	6.0	14.4	19.2	26.4	42.1	60.1	76.9	97.4
107.5°	0.0	0.0	1.2	3.6	9.6	14.4	20.4	32.5	48.1	63.7	81.7
110°	1.2	1.2	1.2	2.4	7.2	10.8	14.4	25.2	39.7	52.9	68.5



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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	4.8	7.2	10.8	19.2	31.3	42.1	56.5
115°	1.2	1.2	1.2	1.2	3.6	4.8	7.2	14.4	24.0	33.7	45.7
117.5°	1.2	1.2	1.2	1.2	2.4	3.6	4.8	10.8	18.0	26.4	37.3
120°	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.2	14.4	20.4	30.1
122.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	6.0	10.8	15.6	22.8
125°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.2	12.0	18.0
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	8.4	13.2
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	6.0	9.6
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	7.2
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8
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°	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1529.1	1532.7	1536.3	1526.7	1532.7	1543.6	1547.2	1532.7	1537.5	1527.9
5°	1524.3	1526.7	1531.5	1519.5	1527.9	1537.5	1543.6	1531.5	1538.8	1531.5
7.5°	1514.7	1517.1	1523.1	1511.1	1521.9	1530.3	1537.5	1525.5	1532.7	1525.5
10°	1500.3	1503.9	1512.3	1497.9	1511.1	1518.3	1525.5	1512.3	1519.5	1512.3
12.5°	1482.3	1488.3	1495.5	1482.3	1495.5	1501.5	1511.1	1497.9	1506.3	1500.3
15°	1460.6	1466.6	1476.2	1463.0	1479.8	1484.7	1494.3	1481.0	1489.5	1483.5
17.5°	1435.4	1442.6	1454.6	1439.0	1458.2	1461.8	1471.4	1459.4	1467.8	1461.8
20°	1406.5	1413.7	1425.7	1411.3	1430.6	1433.0	1443.8	1433.0	1441.4	1437.8
22.5°	1372.9	1381.3	1393.3	1380.1	1400.5	1400.5	1413.7	1402.9	1412.5	1408.9
25°	1338.0	1347.6	1360.8	1346.4	1368.0	1368.0	1382.5	1371.7	1381.3	1378.9
27.5°	1300.7	1311.5	1327.2	1312.7	1334.4	1333.2	1347.6	1338.0	1348.8	1345.2
30°	1261.1	1273.1	1288.7	1276.7	1299.5	1297.1	1311.5	1303.1	1312.7	1311.5
32.5°	1217.8	1231.0	1250.2	1237.0	1259.9	1257.4	1275.5	1265.9	1277.9	1275.5
35°	1174.5	1188.9	1208.2	1196.1	1221.4	1217.8	1235.8	1227.4	1239.4	1238.2
37.5°	1130.0	1145.6	1164.9	1155.3	1179.3	1175.7	1194.9	1187.7	1200.9	1197.3
40°	1084.3	1100.0	1120.4	1112.0	1137.2	1132.4	1152.9	1146.9	1160.1	1157.7
42.5°	1038.7	1055.5	1075.9	1071.1	1095.2	1090.3	1110.8	1106.0	1119.2	1116.8
45°	991.8	1009.8	1031.4	1026.6	1051.9	1047.1	1067.5	1063.9	1077.1	1075.9
47.5°	944.9	964.1	985.8	983.4	1007.4	1002.6	1024.2	1020.6	1033.8	1033.8
50°	896.8	918.4	940.1	938.9	962.9	958.1	977.3	977.3	991.8	990.6
52.5°	848.7	871.6	894.4	894.4	918.4	913.6	935.3	934.1	948.5	948.5
55°	803.0	823.5	846.3	851.1	874.0	866.8	889.6	892.0	904.0	905.2
57.5°	757.4	779.0	801.8	807.8	829.5	824.7	846.3	848.7	860.7	861.9
60°	711.7	732.1	755.0	763.4	785.0	780.2	801.8	804.2	817.5	818.7
62.5°	666.0	686.4	711.7	720.1	740.5	736.9	759.8	762.2	774.2	776.6
65°	621.5	643.2	667.2	679.2	698.4	693.6	716.5	718.9	732.1	733.3
67.5°	578.2	599.9	623.9	637.1	655.2	652.8	674.4	679.2	690.0	692.4
70°	536.2	557.8	583.0	596.3	614.3	613.1	633.5	637.1	649.2	650.4
72.5°	495.3	516.9	542.2	557.8	573.4	572.2	592.7	597.5	609.5	610.7
75°	455.6	478.5	502.5	519.3	535.0	533.8	554.2	559.0	569.8	571.0
77.5°	418.3	441.2	466.4	483.3	496.5	497.7	515.7	520.5	531.4	535.0
80°	383.5	405.1	429.2	447.2	459.2	461.6	478.5	484.5	492.9	497.7
82.5°	349.8	371.5	395.5	412.3	424.4	426.8	442.4	449.6	458.0	461.6
85°	317.4	339.0	361.8	379.9	390.7	391.9	407.5	414.7	422.0	428.0
87.5°	286.1	307.8	329.4	348.6	358.2	360.6	375.1	382.3	388.3	394.3
90°	254.9	276.5	298.1	316.2	325.8	327.0	342.6	349.8	355.8	360.6
92.5°	226.0	247.6	269.3	287.3	295.7	298.1	311.4	319.8	324.6	329.4
95°	198.4	220.0	239.2	258.5	266.9	270.5	282.5	289.7	295.7	298.1
97.5°	174.3	193.5	211.6	230.8	238.0	241.6	253.7	262.1	266.9	269.3
100°	151.5	169.5	186.3	204.4	211.6	215.2	226.0	233.2	238.0	241.6
102.5°	131.0	147.9	163.5	180.3	187.5	189.9	199.6	206.8	211.6	215.2
105°	113.0	128.6	143.1	158.7	164.7	168.3	176.7	182.7	187.5	189.9
107.5°	96.2	111.8	123.8	138.2	144.3	146.7	155.1	162.3	165.9	167.1
110°	81.7	95.0	107.0	119.0	126.2	128.6	135.8	141.9	145.5	146.7



TEST NUMBER: P895154
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	68.5	80.5	91.4	102.2	108.2	110.6	117.8	123.8	126.2	127.4
115°	56.5	68.5	76.9	87.8	92.6	95.0	101.0	107.0	108.2	110.6
117.5°	45.7	56.5	64.9	73.3	78.1	80.5	85.4	90.2	92.6	93.8
120°	37.3	45.7	52.9	61.3	64.9	67.3	72.1	76.9	78.1	79.3
122.5°	30.1	37.3	43.3	50.5	54.1	56.5	60.1	63.7	64.9	66.1
125°	22.8	30.1	34.9	40.9	44.5	45.7	49.3	52.9	54.1	55.3
127.5°	18.0	22.8	27.6	32.5	34.9	36.1	39.7	42.1	43.3	44.5
130°	13.2	16.8	20.4	25.2	27.6	28.9	31.3	33.7	34.9	34.9
132.5°	9.6	13.2	15.6	19.2	20.4	21.6	24.0	26.4	26.4	27.6
135°	6.0	8.4	10.8	13.2	15.6	15.6	18.0	19.2	20.4	20.4
137.5°	4.8	6.0	7.2	9.6	10.8	12.0	12.0	14.4	14.4	14.4
140°	3.6	4.8	4.8	6.0	7.2	8.4	8.4	9.6	9.6	9.6
142.5°	2.4	3.6	3.6	4.8	4.8	6.0	6.0	6.0	7.2	7.2
145°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	4.8	4.8	4.8
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



TEST NUMBER: P895154
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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	16.18	17.72	16.65	18.17	18.66	17.75	19.29	18.22	19.74	20.23
	3H	17.86	19.26	18.34	19.73	20.25	20.38	21.78	20.86	22.25	22.77
	4H	18.45	19.78	18.96	20.27	20.81	21.69	23.02	22.19	23.50	24.04
	6H	18.85	20.09	19.37	20.59	21.15	23.09	24.33	23.61	24.83	25.39
	8H	18.97	20.16	19.50	20.68	21.24	23.84	25.03	24.37	25.55	26.11
	12H	19.04	20.19	19.58	20.70	21.29	24.69	25.83	25.23	26.35	26.94
4H	2H	17.11	18.44	17.61	18.92	19.46	18.30	19.63	18.81	20.12	20.66
	3H	19.09	20.22	19.60	20.75	21.31	21.22	22.35	21.74	22.88	23.45
	4H	19.86	20.90	20.40	21.44	22.04	22.74	23.78	23.28	24.32	24.92
	6H	20.44	21.36	21.00	21.93	22.54	24.39	25.31	24.94	25.87	26.48
	8H	20.62	21.49	21.19	22.06	22.68	25.27	26.13	25.83	26.70	27.32
	12H	20.75	21.54	21.33	22.13	22.76	26.27	27.06	26.85	27.65	28.28
8H	4H	20.74	21.61	21.30	22.17	22.79	23.10	23.97	23.67	24.53	25.16
	6H	21.62	22.36	22.22	22.96	23.59	25.01	25.74	25.60	26.35	26.98
	8H	21.97	22.64	22.58	23.25	23.89	26.09	26.75	26.69	27.37	28.01
	12H	22.24	22.84	22.85	23.44	24.15	27.35	27.95	27.96	28.55	29.26
12H	4H	21.02	21.81	21.60	22.40	23.03	23.15	23.93	23.73	24.53	25.15
	6H	22.07	22.74	22.68	23.35	23.99	25.11	25.78	25.72	26.40	27.04
	8H	22.59	23.19	23.20	23.79	24.50	26.31	26.91	26.92	27.51	28.22