

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: P894307

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894307
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: 4MB-SC3-RND-UNV-CC93-HI-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT, HI lum setting
Light Source: -
Ballast/Driver: -

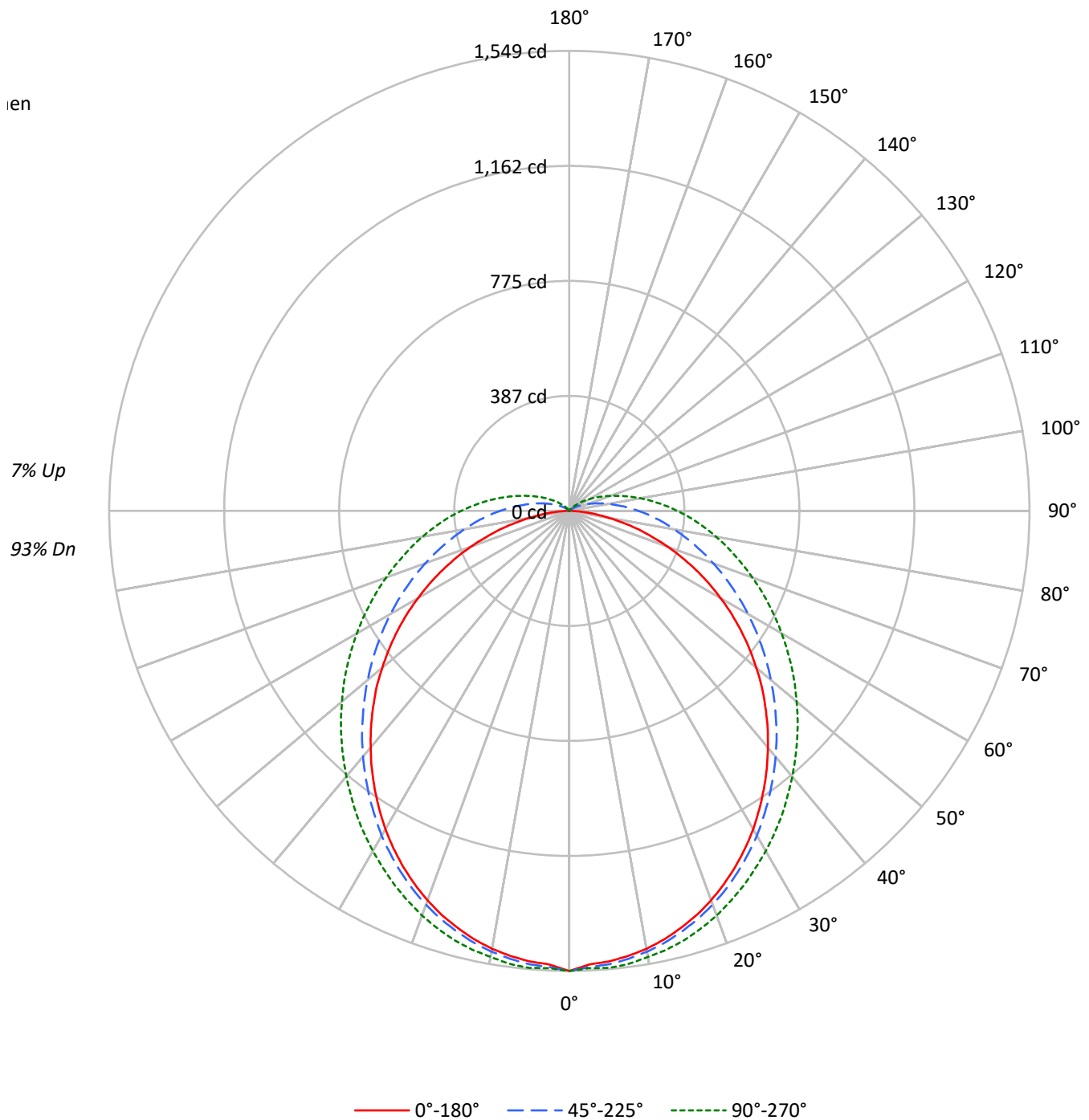
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: 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				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°	11023	11023	11023
5°	10875	10945	11031
10°	10817	10887	11018
15°	10707	10796	11020
20°	10565	10684	10978
25°	10383	10535	10916
30°	10169	10378	10866
35°	9919	10193	10846
40°	9661	10033	10844
45°	9393	9893	10917
50°	9098	9809	11057
55°	8768	9790	11324
60°	8384	9886	11748
65°	7919	10143	12450
70°	7339	10718	13645
75°	6633	11931	15829
80°	5613	14701	20565
85°	4555	23952	35234

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 64855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	2.9
10°-20°	417.5	8.1
20°-30°	625.1	12.2
30°-40°	745.4	14.5
40°-50°	773.0	15.1
50°-60°	717.2	14.0
60°-70°	598.3	11.7
70°-80°	446.1	8.7
80°-90°	297.0	5.8
90°-100°	180.8	3.5
100°-110°	101.0	2.0
110°-120°	50.4	1.0
120°-130°	21.1	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°	1189.1	23.2
0°-40°	1934.5	37.7
0°-60°	3424.7	66.8
0°-90°	4766.0	92.9
90°-120°	332.2	6.5
90°-150°	361.5	7.0
90°-180°	363.0	7.1
0°-180°	5129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1523	1558	1532	1541	1544	145
15°	1454	1491	1466	1492	1496	410
25°	1323	1358	1342	1380	1390	609
35°	1142	1172	1174	1232	1249	714
45°	934	958	983	1061	1085	720
55°	707	731	789	881	913	632
65°	470	508	602	704	740	466
75°	241	308	434	540	576	255
85°	56	153	293	394	432	63
90°	2	101	233	328	364	4
95°	0	62	179	269	301	0
105°	0	19	98	166	192	0
115°	1	5	46	93	112	1
125°	1	1	18	45	56	1
135°	1	1	5	16	21	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: P894307
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3
2.5°	1528.7	1531.2	1553.0	1551.8	1548.1	1562.7	1566.3	1554.2	1534.8	1554.2	1537.2
5°	1522.7	1525.1	1546.9	1545.7	1542.1	1557.8	1559.0	1548.1	1528.7	1548.1	1532.4
7.5°	1511.8	1514.2	1536.0	1534.8	1532.4	1548.1	1546.9	1538.4	1517.8	1538.4	1521.5
10°	1497.2	1498.4	1521.5	1519.0	1517.8	1533.6	1529.9	1522.7	1502.1	1522.7	1506.9
12.5°	1477.8	1479.0	1502.1	1499.6	1499.6	1514.2	1509.3	1503.3	1482.7	1502.1	1488.7
15°	1453.6	1454.8	1476.6	1475.4	1475.4	1491.1	1483.9	1479.0	1459.6	1480.2	1465.7
17.5°	1426.9	1425.7	1448.7	1446.3	1448.7	1463.3	1453.6	1451.1	1433.0	1452.4	1440.2
20°	1395.4	1395.4	1416.0	1414.8	1418.4	1431.7	1419.6	1420.8	1402.6	1423.3	1411.1
22.5°	1360.2	1359.0	1379.6	1379.6	1383.2	1396.6	1383.2	1386.9	1368.7	1388.1	1378.4
25°	1322.6	1320.2	1340.8	1340.8	1346.9	1357.8	1343.2	1348.1	1331.1	1350.5	1342.0
27.5°	1281.4	1277.8	1298.4	1299.6	1304.4	1315.4	1299.6	1306.9	1291.1	1309.3	1303.2
30°	1237.8	1234.1	1254.7	1256.0	1262.0	1270.5	1254.7	1264.4	1249.9	1268.1	1263.2
32.5°	1190.5	1188.1	1207.5	1209.9	1216.0	1222.0	1207.5	1217.2	1205.0	1223.2	1218.4
35°	1142.0	1139.6	1157.8	1161.4	1167.5	1172.3	1156.5	1169.9	1159.0	1175.9	1173.5
37.5°	1092.3	1088.7	1108.1	1110.5	1117.8	1120.2	1105.6	1121.4	1111.7	1128.7	1127.5
40°	1040.2	1036.5	1055.9	1058.3	1065.6	1065.6	1053.5	1070.5	1063.2	1079.0	1080.2
42.5°	988.0	984.4	1001.4	1006.2	1012.3	1012.3	1000.2	1018.3	1013.5	1029.3	1032.9
45°	933.5	929.8	945.6	950.5	957.7	957.7	945.6	966.2	962.6	978.3	983.2
47.5°	880.1	875.3	889.8	894.7	902.0	900.7	891.1	911.7	910.4	926.2	934.7
50°	821.9	818.3	832.9	837.7	846.2	843.8	836.5	858.3	858.3	874.1	886.2
52.5°	765.0	761.3	775.9	780.7	788.0	788.0	780.7	803.8	807.4	823.2	837.7
55°	706.8	701.9	716.5	721.3	729.8	731.0	725.0	748.0	755.3	773.5	789.2
57.5°	648.6	646.2	658.3	663.1	674.0	674.0	670.4	694.7	704.4	723.8	741.9
60°	589.2	586.8	597.7	603.7	615.9	618.3	615.9	641.3	654.6	674.0	694.7
62.5°	529.8	527.4	538.3	546.8	560.1	562.5	563.7	590.4	604.9	625.6	648.6
65°	470.4	468.0	478.9	488.6	504.3	508.0	511.6	539.5	556.5	578.3	602.5
67.5°	411.0	409.8	420.7	432.8	449.8	454.6	460.7	489.8	509.2	532.2	558.9
70°	352.8	351.6	362.5	377.0	397.6	403.7	411.0	440.1	464.3	488.6	515.2
72.5°	294.6	295.8	307.9	324.9	347.9	354.0	363.7	394.0	420.7	446.1	474.0
75°	241.3	241.3	254.6	274.0	299.4	307.9	318.8	350.4	378.2	404.9	434.0
77.5°	186.7	186.7	202.5	226.7	254.6	263.1	276.4	309.1	339.4	366.1	395.2
80°	137.0	139.4	157.6	181.8	210.9	221.9	237.6	270.3	303.1	329.7	358.8
82.5°	93.3	97.0	116.4	144.3	173.4	184.3	200.0	235.2	267.9	295.8	326.1
85°	55.8	61.8	82.4	110.3	140.6	152.8	169.7	202.5	235.2	263.1	293.4
87.5°	25.5	33.9	55.8	83.6	112.7	126.1	140.6	172.1	204.9	232.8	264.3
90°	2.4	14.5	36.4	60.6	88.5	100.6	115.2	145.5	177.0	202.5	232.8
92.5°	0.0	6.1	21.8	43.6	67.9	80.0	93.3	122.4	150.3	175.8	204.9
95°	0.0	2.4	12.1	30.3	50.9	61.8	74.0	100.6	128.5	152.8	179.4
97.5°	0.0	1.2	7.3	20.6	37.6	47.3	58.2	82.4	107.9	130.9	155.2
100°	0.0	1.2	3.6	13.3	27.9	35.2	46.1	66.7	89.7	110.3	134.6
102.5°	0.0	0.0	2.4	8.5	20.6	26.7	35.2	53.3	74.0	93.3	115.2
105°	0.0	0.0	1.2	6.1	14.5	19.4	26.7	42.4	60.6	77.6	98.2
107.5°	0.0	0.0	1.2	3.6	9.7	14.5	20.6	32.7	48.5	64.3	82.4
110°	1.2	1.2	1.2	2.4	7.3	10.9	14.5	25.5	40.0	53.3	69.1



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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	7.3	10.9	19.4	31.5	42.4	57.0
115°	1.2	1.2	1.2	1.2	3.6	4.8	7.3	14.5	24.2	33.9	46.1
117.5°	1.2	1.2	1.2	1.2	2.4	3.6	4.8	10.9	18.2	26.7	37.6
120°	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.3	14.5	20.6	30.3
122.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	6.1	10.9	15.8	23.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.3	12.1	18.2
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	8.5	13.3
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	6.1	9.7
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	7.3
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°	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3	1549.3
2.5°	1542.1	1545.7	1549.3	1539.6	1545.7	1556.6	1560.2	1545.7	1550.5	1540.9
5°	1537.2	1539.6	1544.5	1532.4	1540.9	1550.5	1556.6	1544.5	1551.8	1544.5
7.5°	1527.5	1529.9	1536.0	1523.9	1534.8	1543.3	1550.5	1538.4	1545.7	1538.4
10°	1513.0	1516.6	1525.1	1510.5	1523.9	1531.2	1538.4	1525.1	1532.4	1525.1
12.5°	1494.8	1500.8	1508.1	1494.8	1508.1	1514.2	1523.9	1510.5	1519.0	1513.0
15°	1473.0	1479.0	1488.7	1475.4	1492.4	1497.2	1506.9	1493.6	1502.1	1496.0
17.5°	1447.5	1454.8	1466.9	1451.1	1470.5	1474.2	1483.9	1471.7	1480.2	1474.2
20°	1418.4	1425.7	1437.8	1423.3	1442.7	1445.1	1456.0	1445.1	1453.6	1449.9
22.5°	1384.5	1392.9	1405.1	1391.7	1412.3	1412.3	1425.7	1414.8	1424.5	1420.8
25°	1349.3	1359.0	1372.3	1357.8	1379.6	1379.6	1394.2	1383.2	1392.9	1390.5
27.5°	1311.7	1322.6	1338.4	1323.8	1345.7	1344.5	1359.0	1349.3	1360.2	1356.6
30°	1271.7	1283.8	1299.6	1287.5	1310.5	1308.1	1322.6	1314.1	1323.8	1322.6
32.5°	1228.1	1241.4	1260.8	1247.5	1270.5	1268.1	1286.3	1276.6	1288.7	1286.3
35°	1184.4	1199.0	1218.4	1206.3	1231.7	1228.1	1246.3	1237.8	1249.9	1248.7
37.5°	1139.6	1155.3	1174.7	1165.0	1189.3	1185.6	1205.0	1197.8	1211.1	1207.5
40°	1093.5	1109.3	1129.9	1121.4	1146.8	1142.0	1162.6	1156.5	1169.9	1167.5
42.5°	1047.4	1064.4	1085.0	1080.2	1104.4	1099.6	1120.2	1115.3	1128.7	1126.2
45°	1000.2	1018.3	1040.2	1035.3	1060.8	1055.9	1076.5	1072.9	1086.2	1085.0
47.5°	952.9	972.3	994.1	991.7	1015.9	1011.1	1032.9	1029.3	1042.6	1042.6
50°	904.4	926.2	948.0	946.8	971.1	966.2	985.6	985.6	1000.2	998.9
52.5°	855.9	878.9	902.0	902.0	926.2	921.4	943.2	942.0	956.5	956.5
55°	809.8	830.4	853.5	858.3	881.4	874.1	897.1	899.5	911.7	912.9
57.5°	763.8	785.6	808.6	814.7	836.5	831.6	853.5	855.9	868.0	869.2
60°	717.7	738.3	761.3	769.8	791.6	786.8	808.6	811.0	824.4	825.6
62.5°	671.6	692.2	717.7	726.2	746.8	743.1	766.2	768.6	780.7	783.2
65°	626.8	648.6	672.8	685.0	704.4	699.5	722.5	725.0	738.3	739.5
67.5°	583.1	604.9	629.2	642.5	660.7	658.3	680.1	685.0	695.9	698.3
70°	540.7	562.5	588.0	601.3	619.5	618.3	638.9	642.5	654.6	655.9
72.5°	499.5	521.3	546.8	562.5	578.3	577.1	597.7	602.5	614.6	615.9
75°	459.5	482.5	506.7	523.7	539.5	538.3	558.9	563.7	574.6	575.8
77.5°	421.9	444.9	470.4	487.4	500.7	501.9	520.1	524.9	535.8	539.5
80°	386.7	408.5	432.8	451.0	463.1	465.5	482.5	488.6	497.0	501.9
82.5°	352.8	374.6	398.9	415.8	427.9	430.4	446.1	453.4	461.9	465.5
85°	320.1	341.9	364.9	383.1	394.0	395.2	411.0	418.2	425.5	431.6
87.5°	288.5	310.4	332.2	351.6	361.3	363.7	378.2	385.5	391.6	397.6
90°	257.0	278.8	300.7	318.8	328.5	329.7	345.5	352.8	358.8	363.7
92.5°	227.9	249.7	271.6	289.7	298.2	300.7	314.0	322.5	327.3	332.2
95°	200.0	221.9	241.3	260.6	269.1	272.8	284.9	292.2	298.2	300.7
97.5°	175.8	195.2	213.4	232.8	240.0	243.7	255.8	264.3	269.1	271.6
100°	152.8	170.9	187.9	206.1	213.4	217.0	227.9	235.2	240.0	243.7
102.5°	132.1	149.1	164.9	181.8	189.1	191.5	201.2	208.5	213.4	217.0
105°	114.0	129.7	144.3	160.0	166.1	169.7	178.2	184.3	189.1	191.5
107.5°	97.0	112.7	124.9	139.4	145.5	147.9	156.4	163.7	167.3	168.5
110°	82.4	95.8	107.9	120.0	127.3	129.7	137.0	143.1	146.7	147.9



TEST NUMBER: P894307
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.1	81.2	92.1	103.0	109.1	111.5	118.8	124.9	127.3	128.5
115°	57.0	69.1	77.6	88.5	93.3	95.8	101.8	107.9	109.1	111.5
117.5°	46.1	57.0	65.5	74.0	78.8	81.2	86.1	90.9	93.3	94.6
120°	37.6	46.1	53.3	61.8	65.5	67.9	72.7	77.6	78.8	80.0
122.5°	30.3	37.6	43.6	50.9	54.6	57.0	60.6	64.3	65.5	66.7
125°	23.0	30.3	35.2	41.2	44.9	46.1	49.7	53.3	54.6	55.8
127.5°	18.2	23.0	27.9	32.7	35.2	36.4	40.0	42.4	43.6	44.9
130°	13.3	17.0	20.6	25.5	27.9	29.1	31.5	33.9	35.2	35.2
132.5°	9.7	13.3	15.8	19.4	20.6	21.8	24.2	26.7	26.7	27.9
135°	6.1	8.5	10.9	13.3	15.8	15.8	18.2	19.4	20.6	20.6
137.5°	4.8	6.1	7.3	9.7	10.9	12.1	12.1	14.5	14.5	14.5
140°	3.6	4.8	4.8	6.1	7.3	8.5	8.5	9.7	9.7	9.7
142.5°	2.4	3.6	3.6	4.8	4.8	6.1	6.1	6.1	7.3	7.3
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: P894307
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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	18.63	20.16	19.10	20.62	21.11	20.20	21.73	20.67	22.19	22.68
	3H	20.30	21.71	20.79	22.17	22.70	22.82	24.23	23.31	24.69	25.22
	4H	20.90	22.23	21.40	22.72	23.26	24.13	25.46	24.64	25.95	26.49
	6H	21.30	22.54	21.82	23.04	23.59	25.54	26.78	26.06	27.28	27.83
	8H	21.42	22.60	21.94	23.13	23.69	26.29	27.48	26.82	28.00	28.56
	12H	21.49	22.63	22.03	23.15	23.74	27.14	28.28	27.67	28.79	29.39
4H	2H	19.55	20.88	20.06	21.37	21.91	20.75	22.08	21.25	22.56	23.10
	3H	21.53	22.67	22.05	23.20	23.76	23.66	24.80	24.18	25.33	25.89
	4H	22.31	23.35	22.85	23.89	24.48	25.19	26.23	25.73	26.77	27.36
	6H	22.89	23.81	23.44	24.37	24.98	26.83	27.75	27.39	28.32	28.93
	8H	23.07	23.94	23.63	24.50	25.12	27.71	28.58	28.28	29.14	29.77
	12H	23.20	23.98	23.78	24.58	25.20	28.72	29.50	29.30	30.10	30.72
8H	4H	23.19	24.05	23.75	24.62	25.24	25.55	26.42	26.11	26.98	27.60
	6H	24.07	24.81	24.66	25.41	26.04	27.45	28.19	28.05	28.79	29.42
	8H	24.42	25.08	25.02	25.70	26.34	28.53	29.20	29.14	29.82	30.46
	12H	24.69	25.28	25.30	25.89	26.59	29.80	30.39	30.41	31.00	31.71
12H	4H	23.46	24.25	24.05	24.85	25.47	25.59	26.38	26.18	26.97	27.60
	6H	24.52	25.18	25.12	25.80	26.44	27.56	28.23	28.17	28.84	29.48
	8H	25.04	25.63	25.64	26.24	26.94	28.76	29.35	29.37	29.96	30.66