

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: P894209

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894209
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-CC83-HI-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 5000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

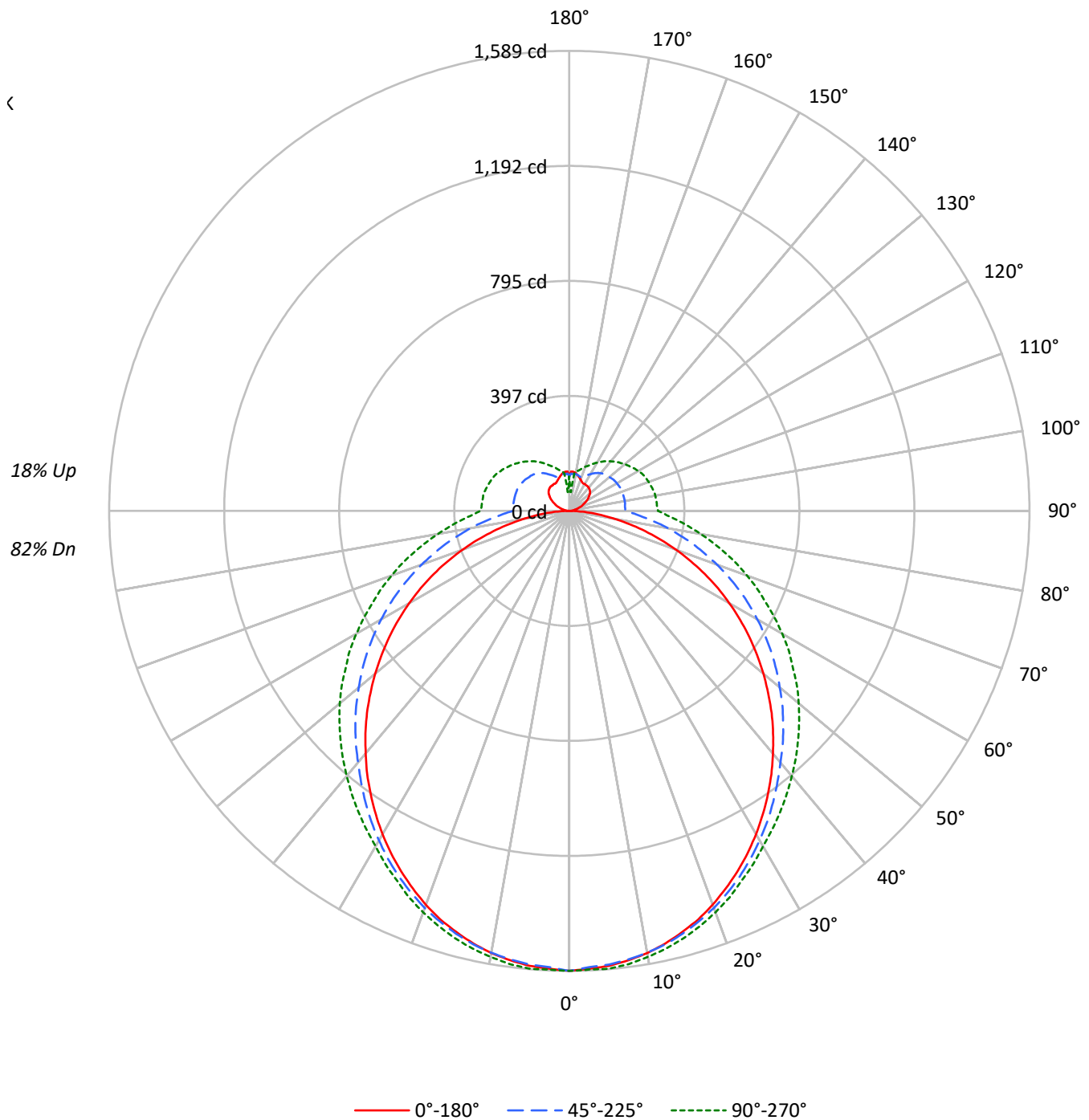
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6006.0 lumens
Efficiency: N/A
Efficacy: 118.5 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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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	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°	11304	11304	11304
5°	11213	10830	10817
10°	11103	10415	10304
15°	10940	9999	9813
20°	10759	9573	9314
25°	10530	9128	8809
30°	10286	8674	8349
35°	10017	8218	7969
40°	9733	7770	7607
45°	9447	7379	7262
50°	9115	6975	6927
55°	8758	6578	6553
60°	8329	6151	6197
65°	7818	5703	5794
70°	7151	5211	5421
75°	6239	4707	5017
80°	5042	4170	4603
85°	3483	3623	4224

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.2	2.5
10°-20°	428.5	7.1
20°-30°	643.8	10.7
30°-40°	773.0	12.9
40°-50°	812.8	13.5
50°-60°	763.7	12.7
60°-70°	635.1	10.6
70°-80°	453.2	7.5
80°-90°	269.7	4.5
90°-100°	195.3	3.3
100°-110°	192.7	3.2
110°-120°	181.0	3.0
120°-130°	160.4	2.7
130°-140°	132.9	2.2
140°-150°	99.5	1.7
150°-160°	65.4	1.1
160°-170°	37.1	0.6
170°-180°	11.8	0.2
0°-30°	1222.5	20.4
0°-40°	1995.5	33.2
0°-60°	3572.1	59.5
0°-90°	4930.0	82.1
90°-120°	568.9	9.5
90°-150°	961.6	16.0
90°-180°	1076.0	17.9
0°-180°	6006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1577	1596	1573	1577	1587	150
15°	1506	1529	1512	1522	1528	425
25°	1374	1400	1393	1406	1409	633
35°	1196	1223	1227	1258	1270	748
45°	988	1016	1045	1098	1117	762
55°	759	789	852	921	942	678
65°	516	559	647	728	749	511
75°	271	332	442	528	556	288
85°	68	149	260	347	376	75
90°	0	86	193	277	306	5
95°	7	90	193	274	303	8
105°	28	100	194	271	297	29
115°	54	109	193	260	286	54
125°	81	116	187	244	263	73
135°	100	122	177	222	238	77
145°	106	119	160	197	209	67
155°	107	120	135	167	177	50
165°	123	131	126	128	148	35
175°	136	135	128	109	65	13
180°	119	119	119	119	119	



TEST NUMBER: P894209

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7
2.5°	1582.9	1587.2	1588.7	1603.2	1597.4	1603.2	1593.0	1581.4	1578.5	1585.8	1577.1
5°	1577.1	1581.4	1582.9	1597.4	1591.6	1595.9	1587.2	1575.6	1572.7	1581.4	1572.7
7.5°	1565.5	1569.8	1571.3	1587.2	1580.0	1585.8	1575.6	1564.0	1562.6	1571.3	1562.6
10°	1551.0	1555.3	1556.8	1571.3	1565.5	1571.3	1561.1	1549.5	1548.1	1558.2	1549.5
12.5°	1530.7	1535.0	1537.9	1552.4	1545.2	1552.4	1540.8	1529.2	1530.7	1539.4	1533.6
15°	1506.0	1511.8	1513.2	1527.8	1521.9	1529.2	1517.6	1506.0	1508.9	1517.6	1511.8
17.5°	1479.9	1485.7	1487.1	1500.2	1494.4	1503.1	1490.0	1479.9	1482.8	1491.5	1487.1
20°	1448.0	1453.8	1456.7	1469.7	1463.9	1472.6	1459.6	1450.9	1453.8	1463.9	1459.6
22.5°	1411.7	1420.4	1421.8	1436.3	1429.1	1437.8	1424.7	1417.5	1421.8	1432.0	1427.6
25°	1374.0	1382.7	1384.1	1398.6	1392.8	1400.1	1387.0	1379.8	1385.6	1395.7	1392.8
27.5°	1333.3	1342.0	1344.9	1358.0	1352.2	1360.9	1346.4	1342.0	1347.8	1358.0	1355.1
30°	1289.8	1298.5	1300.0	1313.0	1308.7	1317.4	1304.3	1298.5	1307.2	1317.4	1314.5
32.5°	1243.4	1252.1	1256.4	1268.0	1263.7	1271.0	1259.3	1256.4	1263.7	1273.9	1272.4
35°	1195.5	1204.2	1208.6	1221.6	1215.8	1223.1	1211.5	1208.6	1220.2	1227.4	1227.4
37.5°	1146.2	1154.9	1159.2	1172.3	1165.0	1173.7	1162.1	1160.7	1173.7	1181.0	1181.0
40°	1093.9	1104.1	1108.5	1120.1	1114.3	1121.5	1111.4	1112.8	1124.4	1133.1	1134.6
42.5°	1041.7	1051.9	1056.2	1069.3	1062.0	1069.3	1060.6	1062.0	1075.1	1083.8	1091.0
45°	988.0	996.7	1001.1	1015.6	1006.9	1015.6	1006.9	1009.8	1022.9	1035.9	1044.6
47.5°	931.5	940.2	947.4	959.0	951.8	959.0	953.2	957.6	973.5	986.6	998.2
50°	874.9	883.6	890.8	901.0	893.7	903.9	896.6	902.4	922.7	935.8	948.9
52.5°	816.8	824.1	835.7	841.5	835.7	847.3	841.5	850.2	870.5	886.5	901.0
55°	758.8	766.1	777.7	782.0	776.2	789.3	784.9	796.5	818.3	835.7	851.7
57.5°	699.3	706.6	716.7	721.1	716.7	731.2	729.8	742.8	764.6	783.5	800.9
60°	638.4	645.6	654.3	658.7	658.7	673.2	673.2	689.2	712.4	729.8	750.1
62.5°	578.9	583.2	591.9	597.8	602.1	616.6	616.6	634.0	658.7	679.0	699.3
65°	516.5	520.9	528.1	535.4	542.6	558.6	560.0	578.9	603.6	623.9	647.1
67.5°	454.1	458.5	465.7	474.4	484.6	500.5	503.4	523.8	549.9	573.1	594.9
70°	393.2	394.6	403.3	414.9	426.6	442.5	446.9	468.6	496.2	519.4	542.6
72.5°	332.2	333.7	342.4	356.9	370.0	387.4	393.2	416.4	444.0	467.2	490.4
75°	271.3	272.8	284.4	301.8	316.3	332.2	339.5	364.2	391.7	416.4	442.5
77.5°	213.3	216.2	227.8	245.2	262.6	281.5	288.7	313.4	343.9	367.1	391.7
80°	159.6	162.5	175.6	194.4	213.3	230.7	239.4	264.1	296.0	319.2	346.8
82.5°	110.3	114.6	130.6	150.9	169.8	188.6	197.3	220.5	249.5	275.7	301.8
85°	68.2	74.0	90.0	111.7	132.0	149.4	158.1	182.8	210.4	235.0	259.7
87.5°	31.9	40.6	56.6	78.3	100.1	114.6	124.8	149.4	175.6	200.2	224.9
90°	0.0	13.1	29.0	50.8	72.5	85.6	97.2	120.4	146.5	169.8	193.0
92.5°	2.9	14.5	31.9	52.2	74.0	87.1	98.7	121.9	146.5	169.8	193.0
95°	7.3	16.0	33.4	55.1	76.9	90.0	100.1	123.3	148.0	171.2	193.0
97.5°	13.1	20.3	37.7	58.0	79.8	91.4	103.0	126.2	149.4	172.7	194.4
100°	17.4	23.2	40.6	60.9	82.7	94.3	105.9	127.7	150.9	174.1	194.4
102.5°	21.8	29.0	45.0	63.8	85.6	97.2	107.4	129.1	152.3	174.1	194.4
105°	27.6	33.4	47.9	68.2	88.5	100.1	110.3	132.0	153.8	175.6	194.4
107.5°	33.4	37.7	52.2	71.1	91.4	101.6	111.7	133.5	155.2	175.6	194.4
110°	40.6	43.5	56.6	74.0	92.9	104.5	114.6	134.9	155.2	175.6	194.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	47.9	47.9	60.9	76.9	95.8	105.9	116.1	136.4	156.7	175.6	194.4
115°	53.7	55.1	65.3	79.8	98.7	108.8	117.5	136.4	156.7	175.6	193.0
117.5°	60.9	60.9	71.1	82.7	100.1	110.3	120.4	137.8	156.7	174.1	191.5
120°	68.2	66.7	75.4	87.1	103.0	111.7	121.9	139.3	156.7	174.1	190.1
122.5°	75.4	72.5	78.3	90.0	104.5	114.6	121.9	139.3	156.7	172.7	188.6
125°	81.2	78.3	82.7	94.3	107.4	116.1	123.3	139.3	156.7	171.2	187.2
127.5°	87.1	84.1	88.5	97.2	108.8	116.1	124.8	139.3	156.7	169.8	184.3
130°	92.9	88.5	94.3	100.1	111.7	117.5	124.8	139.3	155.2	168.3	181.4
132.5°	97.2	92.9	98.7	103.0	113.2	119.0	126.2	139.3	153.8	166.8	179.9
135°	100.1	95.8	103.0	105.9	116.1	121.9	127.7	139.3	152.3	165.4	177.0
137.5°	103.0	97.2	105.9	108.8	117.5	123.3	127.7	137.8	150.9	162.5	174.1
140°	104.5	100.1	108.8	111.7	116.1	121.9	127.7	136.4	148.0	159.6	169.8
142.5°	105.9	100.1	110.3	113.2	116.1	120.4	126.2	133.5	145.1	155.2	165.4
145°	105.9	101.6	110.3	113.2	116.1	119.0	123.3	132.0	140.7	149.4	159.6
147.5°	105.9	103.0	111.7	114.6	117.5	117.5	120.4	129.1	136.4	145.1	153.8
150°	107.4	103.0	111.7	114.6	119.0	119.0	120.4	124.8	133.5	139.3	146.5
152.5°	105.9	104.5	110.3	116.1	119.0	120.4	120.4	121.9	129.1	134.9	140.7
155°	107.4	107.4	111.7	119.0	120.4	120.4	121.9	120.4	123.3	129.1	134.9
157.5°	110.3	113.2	113.2	120.4	123.3	123.3	124.8	123.3	121.9	123.3	129.1
160°	114.6	117.5	117.5	121.9	126.2	126.2	127.7	126.2	124.8	123.3	123.3
162.5°	119.0	121.9	121.9	123.3	127.7	129.1	130.6	129.1	127.7	124.8	123.3
165°	123.3	126.2	126.2	126.2	129.1	130.6	132.0	130.6	130.6	127.7	126.2
167.5°	127.7	130.6	130.6	129.1	130.6	132.0	133.5	132.0	132.0	130.6	127.7
170°	132.0	134.9	134.9	132.0	133.5	133.5	134.9	133.5	133.5	130.6	129.1
172.5°	134.9	137.8	136.4	134.9	134.9	134.9	134.9	133.5	132.0	129.1	129.1
175°	136.4	139.3	139.3	136.4	134.9	134.9	136.4	133.5	132.0	130.6	127.7
177.5°	136.4	139.3	139.3	136.4	136.4	134.9	136.4	134.9	134.9	132.0	129.1
180°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7	1588.7
2.5°	1582.9	1581.4	1572.7	1582.9	1582.9	1580.0	1591.6	1590.1	1588.7	1585.8
5°	1577.1	1575.6	1566.9	1577.1	1577.1	1575.6	1587.2	1588.7	1590.1	1587.2
7.5°	1568.4	1566.9	1558.2	1568.4	1568.4	1566.9	1580.0	1581.4	1582.9	1578.5
10°	1555.3	1553.9	1545.2	1555.3	1556.8	1555.3	1565.5	1566.9	1569.8	1564.0
12.5°	1537.9	1537.9	1529.2	1539.4	1540.8	1539.4	1549.5	1552.4	1555.3	1548.1
15°	1516.1	1517.6	1510.3	1520.5	1521.9	1521.9	1532.1	1533.6	1537.9	1527.8
17.5°	1490.0	1492.9	1487.1	1497.3	1498.7	1500.2	1506.0	1510.3	1514.7	1503.1
20°	1462.5	1463.9	1459.6	1468.3	1471.2	1469.7	1477.0	1482.8	1487.1	1475.5
22.5°	1429.1	1430.5	1426.2	1434.9	1437.8	1439.3	1445.1	1452.3	1455.2	1445.1
25°	1391.4	1397.2	1394.3	1403.0	1405.9	1405.9	1411.7	1418.9	1423.3	1408.8
27.5°	1355.1	1362.4	1359.5	1368.2	1371.1	1372.5	1375.4	1384.1	1388.5	1375.4
30°	1314.5	1323.2	1321.7	1330.4	1333.3	1331.9	1337.7	1346.4	1352.2	1337.7
32.5°	1269.5	1281.1	1279.7	1291.3	1294.2	1295.6	1300.0	1311.6	1317.4	1304.3
35°	1226.0	1239.0	1240.5	1253.5	1257.9	1259.3	1265.1	1276.8	1282.6	1269.5
37.5°	1181.0	1198.4	1202.8	1215.8	1220.2	1221.6	1227.4	1240.5	1246.3	1233.2
40°	1137.5	1157.8	1163.6	1175.2	1179.5	1183.9	1188.3	1201.3	1208.6	1195.5
42.5°	1093.9	1115.7	1123.0	1134.6	1138.9	1143.3	1149.1	1163.6	1169.4	1157.8
45°	1049.0	1072.2	1080.9	1092.5	1098.3	1102.7	1108.5	1121.5	1128.8	1117.2
47.5°	1004.0	1027.2	1035.9	1049.0	1054.8	1060.6	1064.9	1080.9	1088.1	1076.5
50°	956.1	982.2	992.4	1004.0	1012.7	1017.1	1022.9	1037.4	1044.6	1034.5
52.5°	908.2	935.8	947.4	959.0	967.7	975.0	977.9	993.8	1001.1	990.9
55°	858.9	886.5	899.5	912.6	921.3	930.0	932.9	948.9	956.1	941.6
57.5°	809.6	838.6	851.7	866.2	873.4	883.6	887.9	902.4	909.7	899.5
60°	760.2	787.8	803.8	816.8	827.0	835.7	838.6	854.6	861.8	848.8
62.5°	709.5	738.5	754.4	769.0	777.7	787.8	792.2	806.7	812.5	799.4
65°	657.2	686.3	703.7	716.7	728.3	737.0	739.9	755.9	761.7	748.6
67.5°	605.0	634.0	652.9	667.4	677.6	687.7	690.6	706.6	712.4	702.2
70°	554.2	583.2	602.1	619.5	626.8	636.9	641.3	655.8	661.6	652.9
72.5°	503.4	532.5	552.8	570.2	577.4	587.6	593.4	605.0	613.7	606.5
75°	454.1	483.1	503.4	520.9	528.1	538.3	544.1	555.7	561.5	555.7
77.5°	406.2	435.3	454.1	471.5	480.2	488.9	494.7	506.3	513.6	507.8
80°	359.8	388.8	407.7	423.7	432.4	441.1	446.9	459.9	465.7	461.4
82.5°	316.3	343.9	364.2	380.1	388.8	397.5	403.3	414.9	422.2	416.4
85°	277.1	304.7	323.5	339.5	346.8	355.5	361.3	372.9	378.7	375.8
87.5°	239.4	264.1	285.8	301.8	309.0	317.7	325.0	333.7	341.0	336.6
90°	210.4	232.1	252.4	268.4	277.1	285.8	294.5	303.2	309.0	306.1
92.5°	211.8	232.1	251.0	265.5	274.2	282.9	291.6	301.8	306.1	303.2
95°	211.8	232.1	251.0	265.5	274.2	282.9	291.6	301.8	306.1	303.2
97.5°	211.8	232.1	251.0	265.5	274.2	282.9	291.6	301.8	306.1	301.8
100°	211.8	232.1	251.0	265.5	274.2	281.5	290.2	300.3	304.7	301.8
102.5°	211.8	232.1	249.5	264.1	272.8	280.0	288.7	298.9	303.2	300.3
105°	211.8	230.7	249.5	262.6	271.3	278.6	287.3	296.0	300.3	297.4
107.5°	210.4	229.2	246.6	261.2	268.4	275.7	284.4	293.1	297.4	294.5
110°	210.4	227.8	245.2	258.3	265.5	272.8	281.5	290.2	294.5	291.6



TEST NUMBER: P894209
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	208.9	226.3	243.7	255.4	262.6	269.9	277.1	287.3	291.6	288.7
115°	207.5	224.9	240.8	252.4	259.7	265.5	274.2	284.4	287.3	285.8
117.5°	206.0	222.0	237.9	249.5	256.8	262.6	269.9	278.6	282.9	281.5
120°	204.6	219.1	235.0	245.2	252.4	258.3	264.1	272.8	277.1	274.2
122.5°	201.7	216.2	232.1	242.3	248.1	253.9	259.7	267.0	271.3	269.9
125°	198.8	213.3	227.8	237.9	243.7	248.1	253.9	261.2	264.1	262.6
127.5°	195.9	210.4	223.4	232.1	239.4	243.7	248.1	255.4	258.3	256.8
130°	193.0	206.0	219.1	227.8	233.6	237.9	242.3	249.5	251.0	251.0
132.5°	190.1	201.7	214.7	223.4	229.2	232.1	236.5	242.3	245.2	243.7
135°	187.2	197.3	210.4	217.6	222.0	226.3	230.7	236.5	237.9	237.9
137.5°	182.8	193.0	204.6	211.8	216.2	219.1	223.4	229.2	230.7	230.7
140°	178.5	188.6	198.8	204.6	210.4	213.3	216.2	222.0	223.4	223.4
142.5°	174.1	182.8	193.0	198.8	204.6	206.0	210.4	214.7	216.2	216.2
145°	168.3	178.5	187.2	193.0	197.3	198.8	203.1	207.5	207.5	208.9
147.5°	161.0	169.8	181.4	185.7	190.1	191.5	195.9	198.8	200.2	200.2
150°	153.8	162.5	172.7	179.9	184.3	185.7	187.2	191.5	191.5	193.0
152.5°	146.5	153.8	163.9	171.2	177.0	178.5	179.9	182.8	182.8	184.3
155°	139.3	145.1	153.8	161.0	166.8	169.8	172.7	175.6	175.6	177.0
157.5°	133.5	139.3	146.5	152.3	156.7	161.0	165.4	168.3	168.3	168.3
160°	126.2	130.6	137.8	142.2	148.0	150.9	158.1	161.0	161.0	162.5
162.5°	121.9	123.3	127.7	132.0	136.4	139.3	146.5	153.8	153.8	155.2
165°	123.3	121.9	123.3	124.8	127.7	129.1	133.5	143.6	146.5	148.0
167.5°	126.2	121.9	121.9	121.9	124.8	124.8	129.1	134.9	145.1	142.2
170°	126.2	121.9	119.0	119.0	120.4	119.0	121.9	126.2	132.0	137.8
172.5°	127.7	123.3	119.0	113.2	114.6	113.2	110.3	110.3	111.7	130.6
175°	126.2	123.3	117.5	110.3	108.8	104.5	95.8	88.5	84.1	65.3
177.5°	124.8	120.4	116.1	110.3	107.4	103.0	92.9	81.2	69.6	66.7
180°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0



TEST NUMBER: P894209
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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	16.11	17.43	16.72	18.06	18.78	18.66	19.98	19.28	20.61	21.33
	3H	17.51	18.71	18.14	19.36	20.11	21.09	22.29	21.72	22.93	23.69
	4H	17.94	19.08	18.59	19.74	20.50	22.23	23.37	22.88	24.02	24.79
	6H	18.18	19.24	18.84	19.90	20.69	23.37	24.42	24.03	25.09	25.87
	8H	18.22	19.23	18.89	19.92	20.71	23.92	24.94	24.60	25.62	26.41
	12H	18.23	19.20	18.91	19.88	20.70	24.51	25.48	25.19	26.16	26.97
4H	2H	17.00	18.14	17.65	18.79	19.56	19.01	20.15	19.66	20.80	21.57
	3H	18.62	19.59	19.29	20.28	21.07	21.64	22.61	22.30	23.30	24.09
	4H	19.18	20.06	19.86	20.76	21.58	22.93	23.82	23.61	24.51	25.33
	6H	19.52	20.29	20.21	21.02	21.84	24.24	25.02	24.94	25.74	26.57
	8H	19.59	20.32	20.30	21.04	21.88	24.90	25.63	25.60	26.35	27.19
	12H	19.62	20.29	20.35	21.03	21.88	25.60	26.26	26.33	27.01	27.85
8H	4H	19.83	20.56	20.53	21.28	22.12	23.08	23.81	23.79	24.53	25.37
	6H	20.33	20.95	21.06	21.71	22.55	24.54	25.16	25.27	25.92	26.76
	8H	20.49	21.04	21.23	21.80	22.66	25.32	25.87	26.06	26.63	27.49
	12H	20.58	21.07	21.32	21.82	22.74	26.18	26.67	26.93	27.43	28.34
12H	4H	19.99	20.65	20.72	21.40	22.24	23.07	23.74	23.80	24.48	25.33
	6H	20.59	21.14	21.33	21.91	22.76	24.56	25.11	25.30	25.87	26.73
	8H	20.82	21.32	21.57	22.07	22.99	25.39	25.88	26.14	26.63	27.55