

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: P894208

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

**Test Information**

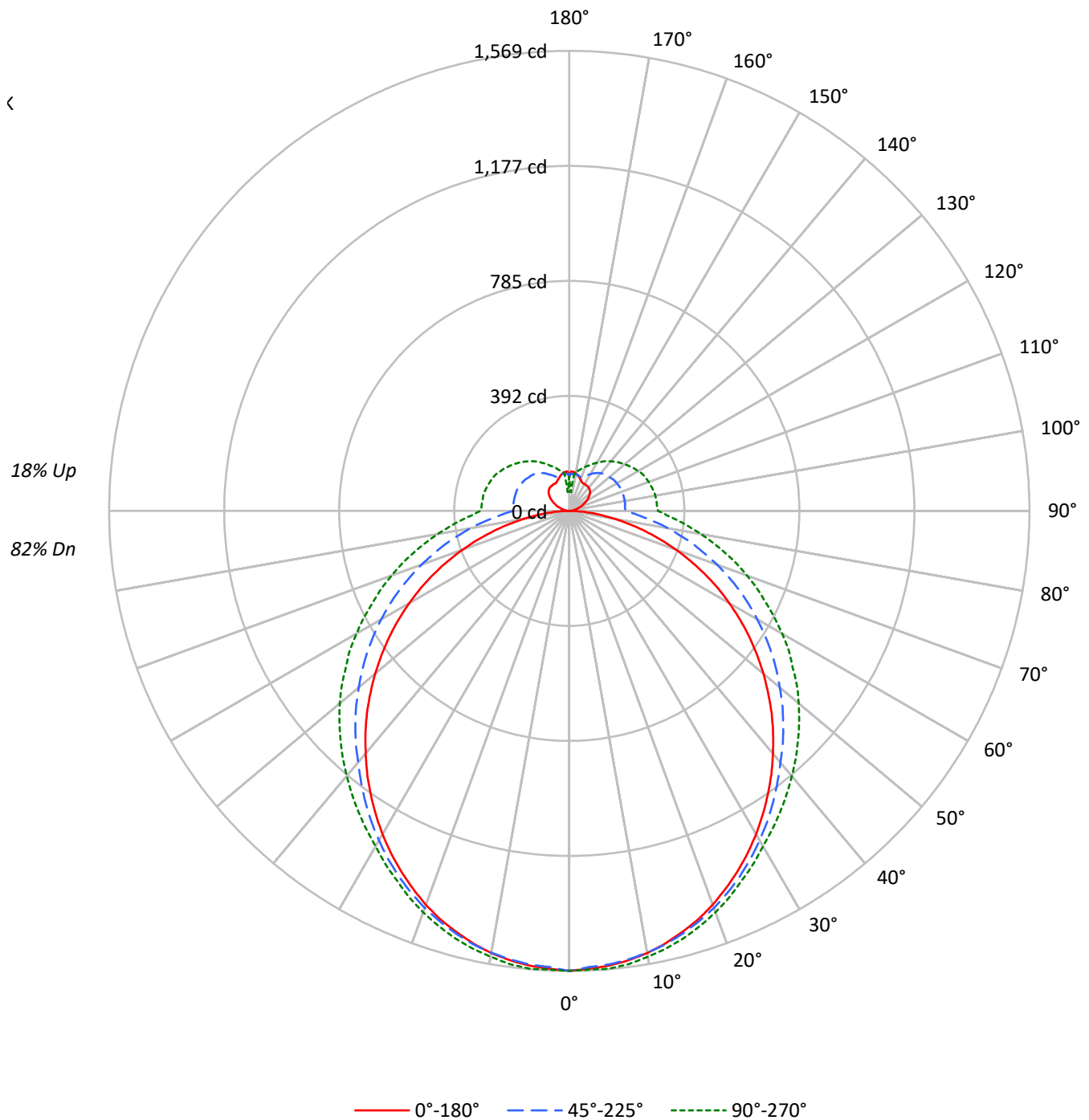
Test Method: LM-79-2019  
Report Number: P894208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLTU-UNV-CC83-HI-4000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 4000K CCT, HI lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5930.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 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-CC83-HI-4000K

### 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°	11161	11161	11161
5°	11070	10693	10681
10°	10962	10283	10174
15°	10801	9872	9688
20°	10622	9451	9197
25°	10396	9012	8698
30°	10156	8564	8243
35°	9890	8115	7868
40°	9610	7672	7510
45°	9327	7286	7170
50°	9000	6887	6840
55°	8647	6494	6470
60°	8223	6073	6118
65°	7719	5631	5722
70°	7060	5145	5352
75°	6161	4648	4953
80°	4979	4117	4544
85°	3437	3577	4170

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.3	2.5
10°-20°	423.1	7.1
20°-30°	635.6	10.7
30°-40°	763.2	12.9
40°-50°	802.6	13.5
50°-60°	754.1	12.7
60°-70°	627.0	10.6
70°-80°	447.4	7.5
80°-90°	266.3	4.5
90°-100°	192.8	3.3
100°-110°	190.2	3.2
110°-120°	178.7	3.0
120°-130°	158.3	2.7
130°-140°	131.2	2.2
140°-150°	98.2	1.7
150°-160°	64.6	1.1
160°-170°	36.6	0.6
170°-180°	11.7	0.2
0°-30°	1207.0	20.4
0°-40°	1970.3	33.2
0°-60°	3526.9	59.5
0°-90°	4867.7	82.1
90°-120°	561.7	9.5
90°-150°	949.4	16.0
90°-180°	1062.0	17.9
0°-180°	5930.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1557	1576	1553	1557	1567	148
15°	1487	1510	1493	1503	1508	419
25°	1357	1382	1375	1388	1391	625
35°	1180	1208	1212	1242	1253	738
45°	976	1003	1031	1084	1103	752
55°	749	779	841	910	930	669
65°	510	552	639	719	739	505
75°	268	328	437	521	549	285
85°	67	148	256	342	371	74
90°	0	84	190	274	302	5
95°	7	89	190	271	299	8
105°	27	99	192	268	294	29
115°	53	107	190	256	282	53
125°	80	115	185	241	259	72
135°	99	120	175	219	235	76
145°	105	118	158	195	206	66
155°	106	119	133	165	175	50
165°	122	129	125	126	146	34
175°	135	133	126	107	64	13
180°	118	118	118	118	118	



TEST NUMBER: P894208  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1562.9	1567.2	1568.6	1582.9	1577.2	1582.9	1572.9	1561.4	1558.6	1565.7	1557.1
5°	1557.1	1561.4	1562.9	1577.2	1571.5	1575.7	1567.2	1555.7	1552.8	1561.4	1552.8
7.5°	1545.7	1550.0	1551.4	1567.2	1560.0	1565.7	1555.7	1544.2	1542.8	1551.4	1542.8
10°	1531.3	1535.6	1537.1	1551.4	1545.7	1551.4	1541.4	1529.9	1528.5	1538.5	1529.9
12.5°	1511.3	1515.6	1518.4	1532.8	1525.6	1532.8	1521.3	1509.9	1511.3	1519.9	1514.2
15°	1486.9	1492.7	1494.1	1508.4	1502.7	1509.9	1498.4	1486.9	1489.8	1498.4	1492.7
17.5°	1461.1	1466.9	1468.3	1481.2	1475.5	1484.1	1471.2	1461.1	1464.0	1472.6	1468.3
20°	1429.6	1435.4	1438.2	1451.1	1445.4	1454.0	1441.1	1432.5	1435.4	1445.4	1441.1
22.5°	1393.8	1402.4	1403.8	1418.2	1411.0	1419.6	1406.7	1399.6	1403.8	1413.9	1409.6
25°	1356.6	1365.2	1366.6	1380.9	1375.2	1382.4	1369.5	1362.3	1368.0	1378.1	1375.2
27.5°	1316.5	1325.1	1327.9	1340.8	1335.1	1343.7	1329.4	1325.1	1330.8	1340.8	1338.0
30°	1273.5	1282.1	1283.5	1296.4	1292.1	1300.7	1287.8	1282.1	1290.7	1300.7	1297.8
32.5°	1227.7	1236.2	1240.5	1252.0	1247.7	1254.9	1243.4	1240.5	1247.7	1257.7	1256.3
35°	1180.4	1189.0	1193.3	1206.2	1200.4	1207.6	1196.1	1193.3	1204.7	1211.9	1211.9
37.5°	1131.7	1140.3	1144.6	1157.5	1150.3	1158.9	1147.4	1146.0	1158.9	1166.1	1166.1
40°	1080.1	1090.1	1094.4	1105.9	1100.2	1107.3	1097.3	1098.7	1110.2	1118.8	1120.2
42.5°	1028.5	1038.6	1042.9	1055.8	1048.6	1055.8	1047.2	1048.6	1061.5	1070.1	1077.2
45°	975.5	984.1	988.4	1002.7	994.2	1002.7	994.2	997.0	1009.9	1022.8	1031.4
47.5°	919.7	928.3	935.4	946.9	939.7	946.9	941.2	945.4	961.2	974.1	985.6
50°	863.8	872.4	879.6	889.6	882.4	892.4	885.3	891.0	911.1	924.0	936.9
52.5°	806.5	813.7	825.1	830.8	825.1	836.6	830.8	839.4	859.5	875.3	889.6
55°	749.2	756.4	767.8	772.1	766.4	779.3	775.0	786.4	807.9	825.1	840.9
57.5°	690.5	697.6	707.7	712.0	707.7	722.0	720.5	733.4	754.9	773.5	790.7
60°	630.3	637.5	646.1	650.4	650.4	664.7	664.7	680.4	703.4	720.5	740.6
62.5°	571.6	575.9	584.5	590.2	594.5	608.8	608.8	626.0	650.4	670.4	690.5
65°	510.0	514.3	521.4	528.6	535.8	551.5	552.9	571.6	595.9	616.0	638.9
67.5°	448.4	452.7	459.8	468.4	478.5	494.2	497.1	517.1	542.9	565.8	587.3
70°	388.2	389.6	398.2	409.7	421.2	436.9	441.2	462.7	489.9	512.8	535.8
72.5°	328.0	329.5	338.1	352.4	365.3	382.5	388.2	411.1	438.3	461.3	484.2
75°	267.9	269.3	280.8	298.0	312.3	328.0	335.2	359.6	386.8	411.1	436.9
77.5°	210.6	213.4	224.9	242.1	259.3	277.9	285.1	309.4	339.5	362.4	386.8
80°	157.6	160.4	173.3	192.0	210.6	227.8	236.4	260.7	292.2	315.1	342.4
82.5°	108.9	113.2	128.9	149.0	167.6	186.2	194.8	217.7	246.4	272.2	298.0
85°	67.3	73.1	88.8	110.3	130.4	147.5	156.1	180.5	207.7	232.1	256.4
87.5°	31.5	40.1	55.9	77.4	98.8	113.2	123.2	147.5	173.3	197.7	222.0
90°	0.0	12.9	28.6	50.1	71.6	84.5	96.0	118.9	144.7	167.6	190.5
92.5°	2.9	14.3	31.5	51.6	73.1	85.9	97.4	120.3	144.7	167.6	190.5
95°	7.2	15.8	32.9	54.4	75.9	88.8	98.8	121.8	146.1	169.0	190.5
97.5°	12.9	20.1	37.2	57.3	78.8	90.2	101.7	124.6	147.5	170.5	192.0
100°	17.2	22.9	40.1	60.2	81.7	93.1	104.6	126.1	149.0	171.9	192.0
102.5°	21.5	28.6	44.4	63.0	84.5	96.0	106.0	127.5	150.4	171.9	192.0
105°	27.2	32.9	47.3	67.3	87.4	98.8	108.9	130.4	151.8	173.3	192.0
107.5°	32.9	37.2	51.6	70.2	90.2	100.3	110.3	131.8	153.3	173.3	192.0
110°	40.1	43.0	55.9	73.1	91.7	103.1	113.2	133.2	153.3	173.3	192.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	47.3	47.3	60.2	75.9	94.5	104.6	114.6	134.7	154.7	173.3	192.0
115°	53.0	54.4	64.5	78.8	97.4	107.4	116.0	134.7	154.7	173.3	190.5
117.5°	60.2	60.2	70.2	81.7	98.8	108.9	118.9	136.1	154.7	171.9	189.1
120°	67.3	65.9	74.5	85.9	101.7	110.3	120.3	137.5	154.7	171.9	187.7
122.5°	74.5	71.6	77.4	88.8	103.1	113.2	120.3	137.5	154.7	170.5	186.2
125°	80.2	77.4	81.7	93.1	106.0	114.6	121.8	137.5	154.7	169.0	184.8
127.5°	85.9	83.1	87.4	96.0	107.4	114.6	123.2	137.5	154.7	167.6	181.9
130°	91.7	87.4	93.1	98.8	110.3	116.0	123.2	137.5	153.3	166.2	179.1
132.5°	96.0	91.7	97.4	101.7	111.7	117.5	124.6	137.5	151.8	164.7	177.6
135°	98.8	94.5	101.7	104.6	114.6	120.3	126.1	137.5	150.4	163.3	174.8
137.5°	101.7	96.0	104.6	107.4	116.0	121.8	126.1	136.1	149.0	160.4	171.9
140°	103.1	98.8	107.4	110.3	114.6	120.3	126.1	134.7	146.1	157.6	167.6
142.5°	104.6	98.8	108.9	111.7	114.6	118.9	124.6	131.8	143.2	153.3	163.3
145°	104.6	100.3	108.9	111.7	114.6	117.5	121.8	130.4	139.0	147.5	157.6
147.5°	104.6	101.7	110.3	113.2	116.0	116.0	118.9	127.5	134.7	143.2	151.8
150°	106.0	101.7	110.3	113.2	117.5	117.5	118.9	123.2	131.8	137.5	144.7
152.5°	104.6	103.1	108.9	114.6	117.5	118.9	118.9	120.3	127.5	133.2	139.0
155°	106.0	106.0	110.3	117.5	118.9	118.9	120.3	118.9	121.8	127.5	133.2
157.5°	108.9	111.7	111.7	118.9	121.8	121.8	123.2	121.8	120.3	121.8	127.5
160°	113.2	116.0	116.0	120.3	124.6	124.6	126.1	124.6	123.2	121.8	121.8
162.5°	117.5	120.3	120.3	121.8	126.1	127.5	128.9	127.5	126.1	123.2	121.8
165°	121.8	124.6	124.6	124.6	127.5	128.9	130.4	128.9	128.9	126.1	124.6
167.5°	126.1	128.9	128.9	127.5	128.9	130.4	131.8	130.4	130.4	128.9	126.1
170°	130.4	133.2	133.2	130.4	131.8	131.8	133.2	131.8	131.8	128.9	127.5
172.5°	133.2	136.1	134.7	133.2	133.2	133.2	133.2	131.8	130.4	127.5	127.5
175°	134.7	137.5	137.5	134.7	133.2	133.2	134.7	131.8	130.4	128.9	126.1
177.5°	134.7	137.5	137.5	134.7	134.7	133.2	134.7	133.2	133.2	130.4	127.5
180°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1562.9	1561.4	1552.8	1562.9	1562.9	1560.0	1571.5	1570.0	1568.6	1565.7
5°	1557.1	1555.7	1547.1	1557.1	1557.1	1555.7	1567.2	1568.6	1570.0	1567.2
7.5°	1548.5	1547.1	1538.5	1548.5	1548.5	1547.1	1560.0	1561.4	1562.9	1558.6
10°	1535.6	1534.2	1525.6	1535.6	1537.1	1535.6	1545.7	1547.1	1550.0	1544.2
12.5°	1518.4	1518.4	1509.9	1519.9	1521.3	1519.9	1529.9	1532.8	1535.6	1528.5
15°	1497.0	1498.4	1491.2	1501.3	1502.7	1502.7	1512.7	1514.2	1518.4	1508.4
17.5°	1471.2	1474.0	1468.3	1478.3	1479.8	1481.2	1486.9	1491.2	1495.5	1484.1
20°	1444.0	1445.4	1441.1	1449.7	1452.6	1451.1	1458.3	1464.0	1468.3	1456.9
22.5°	1411.0	1412.4	1408.1	1416.7	1419.6	1421.0	1426.8	1433.9	1436.8	1426.8
25°	1373.8	1379.5	1376.6	1385.2	1388.1	1388.1	1393.8	1401.0	1405.3	1391.0
27.5°	1338.0	1345.1	1342.3	1350.8	1353.7	1355.1	1358.0	1366.6	1370.9	1358.0
30°	1297.8	1306.4	1305.0	1313.6	1316.5	1315.0	1320.8	1329.4	1335.1	1320.8
32.5°	1253.4	1264.9	1263.5	1274.9	1277.8	1279.2	1283.5	1295.0	1300.7	1287.8
35°	1210.5	1223.4	1224.8	1237.7	1242.0	1243.4	1249.1	1260.6	1266.3	1253.4
37.5°	1166.1	1183.2	1187.5	1200.4	1204.7	1206.2	1211.9	1224.8	1230.5	1217.6
40°	1123.1	1143.1	1148.9	1160.3	1164.6	1168.9	1173.2	1186.1	1193.3	1180.4
42.5°	1080.1	1101.6	1108.8	1120.2	1124.5	1128.8	1134.5	1148.9	1154.6	1143.1
45°	1035.7	1058.6	1067.2	1078.7	1084.4	1088.7	1094.4	1107.3	1114.5	1103.0
47.5°	991.3	1014.2	1022.8	1035.7	1041.4	1047.2	1051.5	1067.2	1074.4	1062.9
50°	944.0	969.8	979.8	991.3	999.9	1004.2	1009.9	1024.2	1031.4	1021.4
52.5°	896.7	924.0	935.4	946.9	955.5	962.6	965.5	981.3	988.4	978.4
55°	848.0	875.3	888.1	901.0	909.6	918.2	921.1	936.9	944.0	929.7
57.5°	799.3	828.0	840.9	855.2	862.4	872.4	876.7	891.0	898.2	888.1
60°	750.6	777.8	793.6	806.5	816.5	825.1	828.0	843.7	850.9	838.0
62.5°	700.5	729.1	744.9	759.2	767.8	777.8	782.1	796.5	802.2	789.3
65°	648.9	677.6	694.8	707.7	719.1	727.7	730.6	746.3	752.1	739.2
67.5°	597.4	626.0	644.6	658.9	669.0	679.0	681.9	697.6	703.4	693.3
70°	547.2	575.9	594.5	611.7	618.8	628.9	633.2	647.5	653.2	644.6
72.5°	497.1	525.7	545.8	563.0	570.1	580.2	585.9	597.4	605.9	598.8
75°	448.4	477.0	497.1	514.3	521.4	531.5	537.2	548.6	554.4	548.6
77.5°	401.1	429.7	448.4	465.6	474.2	482.8	488.5	499.9	507.1	501.4
80°	355.3	383.9	402.5	418.3	426.9	435.5	441.2	454.1	459.8	455.5
82.5°	312.3	339.5	359.6	375.3	383.9	392.5	398.2	409.7	416.9	411.1
85°	273.6	300.8	319.4	335.2	342.4	351.0	356.7	368.2	373.9	371.0
87.5°	236.4	260.7	282.2	298.0	305.1	313.7	320.9	329.5	336.6	332.3
90°	207.7	229.2	249.3	265.0	273.6	282.2	290.8	299.4	305.1	302.3
92.5°	209.1	229.2	247.8	262.1	270.7	279.3	287.9	298.0	302.3	299.4
95°	209.1	229.2	247.8	262.1	270.7	279.3	287.9	298.0	302.3	299.4
97.5°	209.1	229.2	247.8	262.1	270.7	279.3	287.9	298.0	302.3	298.0
100°	209.1	229.2	247.8	262.1	270.7	277.9	286.5	296.5	300.8	298.0
102.5°	209.1	229.2	246.4	260.7	269.3	276.5	285.1	295.1	299.4	296.5
105°	209.1	227.8	246.4	259.3	267.9	275.0	283.6	292.2	296.5	293.7
107.5°	207.7	226.3	243.5	257.8	265.0	272.2	280.8	289.4	293.7	290.8
110°	207.7	224.9	242.1	255.0	262.1	269.3	277.9	286.5	290.8	287.9





TEST NUMBER: P894208  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	206.3	223.5	240.7	252.1	259.3	266.4	273.6	283.6	287.9	285.1
115°	204.8	222.0	237.8	249.3	256.4	262.1	270.7	280.8	283.6	282.2
117.5°	203.4	219.2	234.9	246.4	253.6	259.3	266.4	275.0	279.3	277.9
120°	202.0	216.3	232.1	242.1	249.3	255.0	260.7	269.3	273.6	270.7
122.5°	199.1	213.4	229.2	239.2	245.0	250.7	256.4	263.6	267.9	266.4
125°	196.3	210.6	224.9	234.9	240.7	245.0	250.7	257.8	260.7	259.3
127.5°	193.4	207.7	220.6	229.2	236.4	240.7	245.0	252.1	255.0	253.6
130°	190.5	203.4	216.3	224.9	230.6	234.9	239.2	246.4	247.8	247.8
132.5°	187.7	199.1	212.0	220.6	226.3	229.2	233.5	239.2	242.1	240.7
135°	184.8	194.8	207.7	214.9	219.2	223.5	227.8	233.5	234.9	234.9
137.5°	180.5	190.5	202.0	209.1	213.4	216.3	220.6	226.3	227.8	227.8
140°	176.2	186.2	196.3	202.0	207.7	210.6	213.4	219.2	220.6	220.6
142.5°	171.9	180.5	190.5	196.3	202.0	203.4	207.7	212.0	213.4	213.4
145°	166.2	176.2	184.8	190.5	194.8	196.3	200.5	204.8	204.8	206.3
147.5°	159.0	167.6	179.1	183.4	187.7	189.1	193.4	196.3	197.7	197.7
150°	151.8	160.4	170.5	177.6	181.9	183.4	184.8	189.1	189.1	190.5
152.5°	144.7	151.8	161.9	169.0	174.8	176.2	177.6	180.5	180.5	181.9
155°	137.5	143.2	151.8	159.0	164.7	167.6	170.5	173.3	173.3	174.8
157.5°	131.8	137.5	144.7	150.4	154.7	159.0	163.3	166.2	166.2	166.2
160°	124.6	128.9	136.1	140.4	146.1	149.0	156.1	159.0	159.0	160.4
162.5°	120.3	121.8	126.1	130.4	134.7	137.5	144.7	151.8	151.8	153.3
165°	121.8	120.3	121.8	123.2	126.1	127.5	131.8	141.8	144.7	146.1
167.5°	124.6	120.3	120.3	120.3	123.2	123.2	127.5	133.2	143.2	140.4
170°	124.6	120.3	117.5	117.5	118.9	117.5	120.3	124.6	130.4	136.1
172.5°	126.1	121.8	117.5	111.7	113.2	111.7	108.9	108.9	110.3	128.9
175°	124.6	121.8	116.0	108.9	107.4	103.1	94.5	87.4	83.1	64.5
177.5°	123.2	118.9	114.6	108.9	106.0	101.7	91.7	80.2	68.8	65.9
180°	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5



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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	16.06	17.38	16.68	18.02	18.74	18.62	19.94	19.23	20.57	21.29
	3H	17.47	18.67	18.10	19.31	20.07	21.04	22.24	21.67	22.89	23.64
	4H	17.90	19.04	18.55	19.69	20.46	22.18	23.32	22.83	23.98	24.75
	6H	18.14	19.19	18.80	19.86	20.64	23.32	24.38	23.98	25.04	25.83
	8H	18.18	19.19	18.85	19.88	20.67	23.88	24.89	24.55	25.58	26.37
	12H	18.19	19.16	18.87	19.84	20.66	24.46	25.43	25.14	26.11	26.93
4H	2H	16.95	18.09	17.60	18.75	19.52	18.96	20.10	19.61	20.76	21.53
	3H	18.58	19.54	19.24	20.24	21.03	21.60	22.56	22.26	23.25	24.04
	4H	19.13	20.02	19.81	20.72	21.53	22.89	23.77	23.57	24.47	25.29
	6H	19.47	20.25	20.17	20.97	21.80	24.20	24.98	24.90	25.70	26.52
	8H	19.55	20.28	20.25	21.00	21.84	24.86	25.59	25.56	26.31	27.15
	12H	19.58	20.24	20.30	20.99	21.83	25.56	26.22	26.28	26.96	27.81
8H	4H	19.78	20.51	20.49	21.23	22.07	23.04	23.77	23.74	24.49	25.33
	6H	20.29	20.90	21.02	21.66	22.51	24.49	25.11	25.23	25.87	26.71
	8H	20.44	21.00	21.19	21.76	22.62	25.27	25.83	26.02	26.59	27.45
	12H	20.53	21.03	21.28	21.78	22.70	26.14	26.63	26.88	27.38	28.30
12H	4H	19.95	20.61	20.67	21.35	22.20	23.03	23.69	23.75	24.44	25.28
	6H	20.54	21.10	21.29	21.86	22.72	24.51	25.07	25.26	25.83	26.69
	8H	20.78	21.27	21.53	22.03	22.94	25.34	25.84	26.09	26.59	27.51