

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: P893729

Luminaire Tested: 4MB-6SL-FLT-UNV-L830

Issue Date: 11/11/2024

**Test Information**

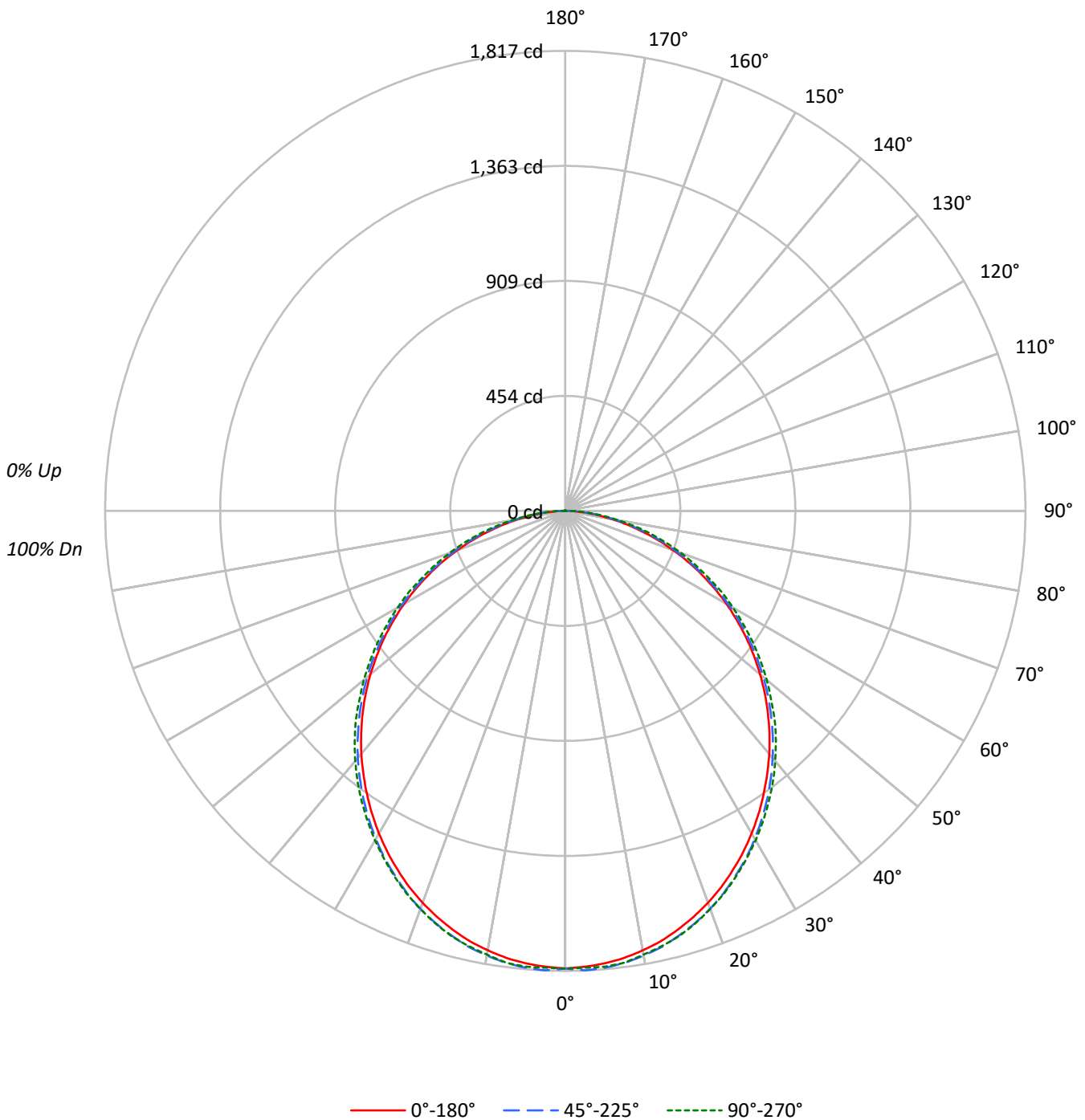
Test Method: LM-79-2019  
Report Number: P893729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-6SL-FLT-UNV-L830  
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5016.9 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 4  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893729  
CATALOG NUMBER: 4MB-6SL-FLT-UNV-L830

### 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12859	12859	12859
5°	12814	12937	12908
10°	12732	12885	12856
15°	12621	12787	12806
20°	12472	12663	12673
25°	12288	12485	12516
30°	12088	12294	12348
35°	11860	12066	12170
40°	11637	11834	11981
45°	11382	11568	11769
50°	11115	11291	11496
55°	10816	10979	11210
60°	10468	10637	10882
65°	10002	10202	10468
70°	9413	9688	10129
75°	8657	9020	9602
80°	7646	8240	8674
85°	6588	7559	8098

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 11769 cd/sqm



TEST NUMBER: P893729  
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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.9	3.4
10°-20°	487.1	9.7
20°-30°	730.0	14.6
30°-40°	868.6	17.3
40°-50°	891.2	17.8
50°-60°	798.4	15.9
60°-70°	606.7	12.1
70°-80°	352.6	7.0
80°-90°	105.8	2.1
90°-100°	2.5	0.0
100°-110°	0.4	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.5	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1388.0	27.7
0°-40°	2256.6	45.0
0°-60°	3946.2	78.7
0°-90°	5011.3	99.9
90°-120°	3.0	0.1
90°-150°	4.5	0.1
90°-180°	6.0	0.1
0°-180°	5016.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1807	1807	1807	1807	1807	
5°	1794	1824	1811	1802	1807	170
15°	1713	1746	1736	1733	1738	483
25°	1565	1601	1590	1588	1594	721
35°	1365	1398	1389	1393	1401	854
45°	1131	1159	1150	1159	1170	873
55°	872	893	885	896	904	779
65°	594	609	606	617	622	588
75°	315	327	328	340	349	334
85°	81	87	93	99	99	88
90°	1	5	5	9	8	6
95°	0	1	1	3	4	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	3	3	3	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P893729  
 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3
2.5°	1802.0	1799.4	1802.0	1800.7	1813.9	1829.8	1827.2	1815.3	1802.0	1806.0	1816.6
5°	1794.1	1792.8	1796.7	1794.1	1807.3	1824.5	1819.2	1808.6	1796.7	1800.7	1811.3
7.5°	1780.9	1780.9	1786.1	1783.5	1795.4	1812.6	1807.3	1798.1	1786.1	1790.1	1800.7
10°	1762.3	1763.7	1770.3	1766.3	1776.9	1795.4	1790.1	1780.9	1770.3	1772.9	1783.5
12.5°	1741.2	1741.2	1749.1	1745.1	1755.7	1772.9	1766.3	1759.7	1749.1	1751.7	1763.7
15°	1713.4	1714.7	1724.0	1720.0	1729.3	1746.5	1739.8	1734.5	1725.3	1726.6	1735.9
17.5°	1681.6	1685.6	1694.9	1690.9	1700.1	1717.3	1709.4	1704.1	1696.2	1697.5	1706.8
20°	1647.2	1651.2	1660.5	1657.8	1664.4	1681.6	1673.7	1671.0	1663.1	1664.4	1672.4
22.5°	1608.9	1612.8	1623.4	1620.8	1627.4	1644.6	1635.3	1634.0	1626.1	1627.4	1634.0
25°	1565.2	1570.5	1582.4	1579.7	1585.0	1600.9	1593.0	1590.3	1585.0	1585.0	1590.3
27.5°	1520.2	1525.5	1538.7	1534.8	1538.7	1555.9	1546.7	1545.3	1540.1	1540.1	1545.3
30°	1471.3	1476.5	1491.1	1487.1	1491.1	1505.7	1496.4	1497.7	1492.4	1492.4	1496.4
32.5°	1419.7	1423.6	1439.5	1436.9	1439.5	1454.1	1444.8	1446.1	1440.8	1442.1	1443.5
35°	1365.4	1369.4	1386.6	1383.9	1385.3	1398.5	1391.9	1391.9	1387.9	1386.6	1389.2
37.5°	1309.8	1313.8	1335.0	1328.4	1328.4	1341.6	1336.3	1336.3	1332.3	1331.0	1332.3
40°	1252.9	1255.6	1278.1	1271.5	1270.1	1282.1	1278.1	1278.1	1275.4	1272.8	1274.1
42.5°	1193.4	1197.4	1219.9	1214.6	1209.3	1222.5	1218.5	1219.9	1215.9	1213.3	1213.3
45°	1131.2	1135.2	1157.7	1155.0	1147.1	1159.0	1155.0	1157.7	1152.4	1149.7	1149.7
47.5°	1069.0	1074.3	1095.5	1091.5	1083.6	1095.5	1091.5	1094.2	1088.9	1086.2	1086.2
50°	1004.2	1009.5	1032.0	1025.4	1017.4	1029.3	1026.7	1028.0	1024.1	1021.4	1020.1
52.5°	938.1	944.7	965.8	957.9	951.3	961.9	960.5	961.9	956.6	955.3	953.9
55°	871.9	878.5	898.4	889.1	883.8	893.1	890.4	893.1	887.8	886.5	885.1
57.5°	803.1	809.7	828.2	819.0	815.0	823.0	821.6	823.0	819.0	817.7	816.3
60°	735.6	740.9	758.1	748.9	744.9	752.8	750.2	754.2	748.9	748.9	747.5
62.5°	664.2	670.8	688.0	677.4	674.8	681.4	678.7	682.7	680.1	677.4	676.1
65°	594.1	598.0	613.9	604.6	600.7	608.6	607.3	609.9	606.0	607.3	606.0
67.5°	523.9	526.6	542.5	531.9	529.2	537.2	538.5	537.2	534.5	535.8	534.5
70°	452.5	455.1	468.4	459.1	457.8	464.4	467.0	465.7	463.1	464.4	465.7
72.5°	383.7	385.0	396.9	389.0	387.7	395.6	395.6	395.6	395.6	395.6	398.2
75°	314.9	316.2	326.8	320.2	318.9	326.8	326.8	326.8	326.8	329.4	328.1
77.5°	248.7	247.4	258.0	254.0	251.4	259.3	259.3	260.6	263.3	265.9	262.0
80°	186.6	185.2	193.2	187.9	187.9	195.8	194.5	195.8	198.5	199.8	201.1
82.5°	131.0	128.3	135.0	133.6	132.3	138.9	140.2	138.9	142.9	144.2	144.2
85°	80.7	80.7	84.7	82.0	82.0	87.3	87.3	88.6	91.3	92.6	92.6
87.5°	38.4	37.0	41.0	39.7	38.4	42.3	42.3	43.7	45.0	46.3	45.0
90°	1.3	1.3	2.6	2.6	2.6	5.3	5.3	5.3	6.6	6.6	5.3
92.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
95°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3
132.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
135°	0.0	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	0.0	1.3
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
167.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
170°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
175°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.3	2.6	2.6
177.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3
2.5°	1800.7	1791.4	1787.5	1790.1	1808.6	1790.1	1810.0	1816.6	1792.8	1806.0
5°	1795.4	1786.1	1780.9	1783.5	1802.0	1784.8	1806.0	1813.9	1794.1	1807.3
7.5°	1784.8	1774.2	1771.6	1775.6	1791.4	1776.9	1798.1	1806.0	1786.1	1799.4
10°	1768.9	1759.7	1757.0	1761.0	1775.6	1761.0	1779.5	1786.1	1767.6	1779.5
12.5°	1749.1	1739.8	1737.2	1742.5	1755.7	1742.5	1761.0	1767.6	1749.1	1761.0
15°	1724.0	1714.7	1713.4	1721.3	1733.2	1721.3	1739.8	1745.1	1726.6	1738.5
17.5°	1693.5	1684.3	1685.6	1694.9	1704.1	1693.5	1710.7	1716.0	1698.8	1708.1
20°	1660.5	1649.9	1652.5	1660.5	1668.4	1657.8	1675.0	1680.3	1664.4	1673.7
22.5°	1622.1	1611.5	1614.1	1623.4	1628.7	1619.4	1635.3	1640.6	1627.4	1636.6
25°	1579.7	1570.5	1574.5	1583.7	1587.7	1579.7	1594.3	1598.3	1586.4	1594.3
27.5°	1537.4	1526.8	1532.1	1541.4	1544.0	1536.1	1550.6	1553.3	1541.4	1549.3
30°	1489.8	1479.2	1485.8	1496.4	1496.4	1491.1	1503.0	1505.7	1496.4	1503.0
32.5°	1436.9	1428.9	1436.9	1446.1	1444.8	1440.8	1452.7	1455.4	1447.4	1452.7
35°	1383.9	1377.3	1385.3	1394.5	1393.2	1389.2	1401.1	1402.5	1395.8	1401.1
37.5°	1329.7	1324.4	1332.3	1340.3	1337.6	1335.0	1345.6	1345.6	1341.6	1346.9
40°	1274.1	1268.8	1275.4	1284.7	1279.4	1279.4	1286.0	1288.7	1284.7	1290.0
42.5°	1215.9	1210.6	1218.5	1226.5	1221.2	1219.9	1227.8	1229.1	1226.5	1230.5
45°	1155.0	1149.7	1157.7	1164.3	1159.0	1159.0	1165.6	1165.6	1164.3	1169.6
47.5°	1092.9	1088.9	1095.5	1102.1	1096.8	1100.8	1100.8	1100.8	1103.4	1102.1
50°	1029.3	1025.4	1030.7	1038.6	1032.0	1033.3	1036.0	1036.0	1037.3	1038.6
52.5°	963.2	957.9	963.2	972.5	963.2	967.2	968.5	969.8	973.8	971.1
55°	897.0	891.8	897.0	905.0	895.7	901.0	901.0	902.3	906.3	903.7
57.5°	828.2	823.0	830.9	836.2	826.9	832.2	832.2	834.9	837.5	833.5
60°	759.4	755.5	758.1	767.4	758.1	763.4	763.4	763.4	768.7	764.7
62.5°	689.3	686.7	689.3	697.3	688.0	693.3	692.0	693.3	698.6	697.3
65°	617.9	615.2	617.9	625.8	616.6	621.8	621.8	623.2	627.1	621.8
67.5°	547.8	543.8	547.8	554.4	546.4	550.4	550.4	550.4	557.0	554.4
70°	476.3	473.7	476.3	482.9	476.3	479.0	479.0	479.0	485.6	486.9
72.5°	406.2	406.2	408.8	414.1	408.8	414.1	410.2	407.5	416.8	418.1
75°	337.4	338.7	340.0	345.3	340.0	345.3	342.7	340.0	348.0	349.3
77.5°	273.9	273.9	275.2	279.2	275.2	279.2	276.5	276.5	281.8	280.5
80°	209.0	209.0	210.4	214.3	210.4	214.3	211.7	211.7	217.0	211.7
82.5°	152.2	152.2	152.2	156.1	153.5	156.1	154.8	152.2	158.8	153.5
85°	97.9	99.2	99.2	100.6	99.2	100.6	100.6	99.2	103.2	99.2
87.5°	50.3	50.3	50.3	51.6	50.3	50.3	51.6	50.3	52.9	51.6
90°	9.3	7.9	7.9	10.6	9.3	9.3	10.6	7.9	9.3	7.9
92.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3
95°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0
97.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
100°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
102.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
105°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3





TEST NUMBER: P893729  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
175°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



TEST NUMBER: P893729  
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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	20.38	22.02	20.75	22.33	22.65	20.52	22.15	20.88	22.47	22.79
	3H	22.20	23.68	22.58	24.01	24.38	22.35	23.83	22.73	24.16	24.52
	4H	22.86	24.26	23.26	24.61	24.99	23.06	24.45	23.46	24.80	25.18
	6H	23.32	24.61	23.73	24.98	25.37	23.61	24.91	24.03	25.28	25.67
	8H	23.46	24.69	23.88	25.08	25.49	23.81	25.05	24.23	25.44	25.84
	12H	23.55	24.74	23.98	25.12	25.55	23.95	25.14	24.38	25.52	25.95
4H	2H	21.01	22.41	21.41	22.76	23.14	21.12	22.52	21.52	22.87	23.25
	3H	23.06	24.23	23.47	24.63	25.03	23.19	24.36	23.60	24.76	25.16
	4H	23.85	24.91	24.28	25.33	25.76	24.03	25.10	24.47	25.51	25.95
	6H	24.42	25.35	24.88	25.80	26.25	24.73	25.66	25.18	26.10	26.56
	8H	24.61	25.48	25.08	25.93	26.39	24.97	25.84	25.43	26.29	26.75
	12H	24.76	25.54	25.24	26.02	26.49	25.17	25.95	25.65	26.42	26.90
8H	4H	24.18	25.05	24.64	25.49	25.96	24.34	25.21	24.80	25.66	26.12
	6H	24.88	25.60	25.38	26.09	26.57	25.17	25.89	25.66	26.38	26.86
	8H	25.14	25.79	25.65	26.30	26.79	25.50	26.15	26.01	26.66	27.15
	12H	25.36	25.94	25.87	26.43	26.99	25.78	26.36	26.29	26.85	27.41
12H	4H	24.22	25.00	24.70	25.48	25.95	24.38	25.16	24.86	25.63	26.11
	6H	24.95	25.60	25.46	26.11	26.60	25.23	25.88	25.74	26.38	26.87
	8H	25.28	25.85	25.78	26.34	26.91	25.62	26.20	26.13	26.69	27.25