

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: P895226

Luminaire Tested: 8TMB-8SL-FLTU-UNV-L935

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P895226  
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: 8TMB-8SL-FLTU-UNV-L935  
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 350  
Light Source: -  
Ballast/Driver: -

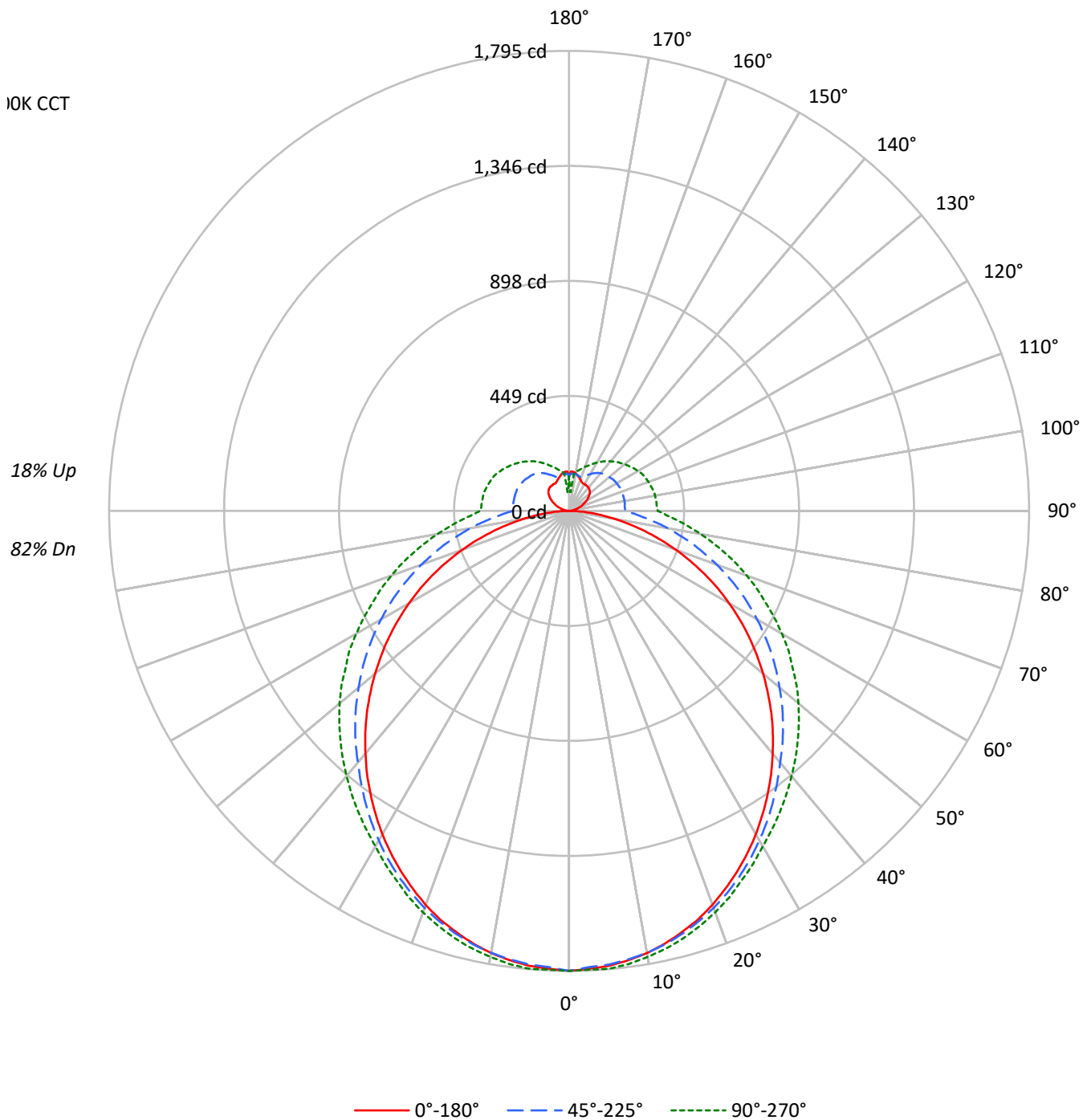
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6785.0 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')  
CIE Type: Semi-Direct

Input Watts (W): 59.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 3.8  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-8SL-FLTU-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	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°	6368	6368	6368
5°	6331	6111	6094
10°	6284	5886	5805
15°	6206	5658	5528
20°	6118	5425	5247
25°	6004	5180	4963
30°	5881	4929	4703
35°	5745	4677	4490
40°	5601	4428	4285
45°	5458	4212	4091
50°	5291	3988	3902
55°	5112	3768	3691
60°	4896	3531	3491
65°	4639	3281	3264
70°	4300	3006	3054
75°	3829	2725	2826
80°	3209	2424	2593
85°	2414	2118	2379

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5458 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.7	2.5
10°-20°	484.1	7.1
20°-30°	727.3	10.7
30°-40°	873.3	12.9
40°-50°	918.3	13.5
50°-60°	862.8	12.7
60°-70°	717.4	10.6
70°-80°	511.9	7.5
80°-90°	304.7	4.5
90°-100°	220.6	3.3
100°-110°	217.6	3.2
110°-120°	204.4	3.0
120°-130°	181.1	2.7
130°-140°	150.1	2.2
140°-150°	112.4	1.7
150°-160°	73.9	1.1
160°-170°	41.9	0.6
170°-180°	13.4	0.2
0°-30°	1381.1	20.4
0°-40°	2254.3	33.2
0°-60°	4035.4	59.5
0°-90°	5569.5	82.1
90°-120°	642.7	9.5
90°-150°	1086.3	16.0
90°-180°	1216.0	17.9
0°-180°	6785.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1795	1795	1795	1795	1795	
5°	1782	1803	1777	1782	1793	169
15°	1701	1728	1708	1719	1726	480
25°	1552	1582	1574	1588	1592	715
35°	1351	1382	1387	1421	1434	845
45°	1116	1147	1180	1241	1262	860
55°	857	892	962	1041	1064	766
65°	584	631	731	823	846	577
75°	306	375	500	597	628	326
85°	77	169	293	392	424	84
90°	0	97	218	313	346	5
95°	8	102	218	310	343	9
105°	31	113	220	306	336	33
115°	61	123	218	293	323	61
125°	92	131	211	275	297	82
135°	113	138	200	251	269	87
145°	120	134	180	223	236	75
155°	121	136	152	188	200	57
165°	139	148	143	144	167	39
175°	154	152	144	123	74	14
180°	134	134	134	134	134	



TEST NUMBER: P895226  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7
2.5°	1788.2	1793.1	1794.7	1811.1	1804.6	1811.1	1799.7	1786.6	1783.3	1791.5	1781.6
5°	1781.6	1786.6	1788.2	1804.6	1798.0	1802.9	1793.1	1780.0	1776.7	1786.6	1776.7
7.5°	1768.5	1773.4	1775.1	1793.1	1784.9	1791.5	1780.0	1766.9	1765.2	1775.1	1765.2
10°	1752.1	1757.0	1758.7	1775.1	1768.5	1775.1	1763.6	1750.5	1748.9	1760.3	1750.5
12.5°	1729.2	1734.1	1737.4	1753.8	1745.6	1753.8	1740.7	1727.5	1729.2	1739.0	1732.5
15°	1701.3	1707.9	1709.5	1725.9	1719.4	1727.5	1714.4	1701.3	1704.6	1714.4	1707.9
17.5°	1671.8	1678.4	1680.0	1694.8	1688.2	1698.0	1683.3	1671.8	1675.1	1684.9	1680.0
20°	1635.8	1642.3	1645.6	1660.3	1653.8	1663.6	1648.9	1639.0	1642.3	1653.8	1648.9
22.5°	1594.8	1604.6	1606.3	1622.6	1614.5	1624.3	1609.5	1601.3	1606.3	1617.7	1612.8
25°	1552.2	1562.0	1563.6	1580.0	1573.5	1581.7	1566.9	1558.7	1565.3	1576.8	1573.5
27.5°	1506.3	1516.1	1519.4	1534.1	1527.6	1537.4	1521.0	1516.1	1522.7	1534.1	1530.9
30°	1457.1	1466.9	1468.6	1483.3	1478.4	1488.2	1473.5	1466.9	1476.8	1488.2	1485.0
32.5°	1404.7	1414.5	1419.4	1432.5	1427.6	1435.8	1422.7	1419.4	1427.6	1439.1	1437.4
35°	1350.6	1360.4	1365.3	1380.1	1373.5	1381.7	1368.6	1365.3	1378.4	1386.6	1386.6
37.5°	1294.8	1304.7	1309.6	1324.3	1316.1	1326.0	1312.9	1311.2	1326.0	1334.2	1334.2
40°	1235.8	1247.3	1252.2	1265.3	1258.8	1267.0	1255.5	1257.1	1270.3	1280.1	1281.7
42.5°	1176.8	1188.3	1193.2	1208.0	1199.8	1208.0	1198.1	1199.8	1214.5	1224.4	1232.6
45°	1116.2	1126.0	1130.9	1147.3	1137.5	1147.3	1137.5	1140.8	1155.5	1170.3	1180.1
47.5°	1052.3	1062.1	1070.3	1083.4	1075.2	1083.4	1076.8	1081.8	1099.8	1114.5	1127.7
50°	988.3	998.2	1006.4	1017.8	1009.6	1021.1	1012.9	1019.5	1042.4	1057.2	1071.9
52.5°	922.8	931.0	944.1	950.6	944.1	957.2	950.6	960.5	983.4	1001.5	1017.8
55°	857.2	865.4	878.5	883.4	876.9	891.6	886.7	899.8	924.4	944.1	962.1
57.5°	790.0	798.2	809.7	814.6	809.7	826.1	824.4	839.2	863.8	885.1	904.7
60°	721.2	729.4	739.2	744.1	744.1	760.5	760.5	778.5	804.8	824.4	847.4
62.5°	654.0	658.9	668.7	675.3	680.2	696.6	696.6	716.3	744.1	767.1	790.0
65°	583.5	588.4	596.6	604.8	613.0	631.0	632.7	654.0	681.8	704.8	731.0
67.5°	513.0	517.9	526.1	536.0	547.4	565.5	568.7	591.7	621.2	647.4	672.0
70°	444.2	445.8	455.7	468.8	481.9	499.9	504.8	529.4	560.6	586.8	613.0
72.5°	375.3	377.0	386.8	403.2	418.0	437.6	444.2	470.4	501.5	527.8	554.0
75°	306.5	308.1	321.3	340.9	357.3	375.3	383.5	411.4	442.5	470.4	499.9
77.5°	240.9	244.2	257.3	277.0	296.7	318.0	326.2	354.0	388.5	414.7	442.5
80°	180.3	183.6	198.3	219.6	240.9	260.6	270.4	298.3	334.4	360.6	391.7
82.5°	124.6	129.5	147.5	170.5	191.8	213.1	222.9	249.1	281.9	311.4	340.9
85°	77.0	83.6	101.6	126.2	149.2	168.8	178.7	206.5	237.7	265.5	293.4
87.5°	36.1	45.9	63.9	88.5	113.1	129.5	141.0	168.8	198.3	226.2	254.1
90°	0.0	14.8	32.8	57.4	82.0	96.7	109.8	136.0	165.5	191.8	218.0
92.5°	3.3	16.4	36.1	59.0	83.6	98.3	111.5	137.7	165.5	191.8	218.0
95°	8.2	18.0	37.7	62.3	86.9	101.6	113.1	139.3	167.2	193.4	218.0
97.5°	14.8	22.9	42.6	65.6	90.1	103.3	116.4	142.6	168.8	195.0	219.6
100°	19.7	26.2	45.9	68.8	93.4	106.5	119.6	144.2	170.5	196.7	219.6
102.5°	24.6	32.8	50.8	72.1	96.7	109.8	121.3	145.9	172.1	196.7	219.6
105°	31.1	37.7	54.1	77.0	100.0	113.1	124.6	149.2	173.7	198.3	219.6
107.5°	37.7	42.6	59.0	80.3	103.3	114.7	126.2	150.8	175.4	198.3	219.6
110°	45.9	49.2	63.9	83.6	104.9	118.0	129.5	152.4	175.4	198.3	219.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	54.1	54.1	68.8	86.9	108.2	119.6	131.1	154.1	177.0	198.3	219.6
115°	60.6	62.3	73.8	90.1	111.5	122.9	132.8	154.1	177.0	198.3	218.0
117.5°	68.8	68.8	80.3	93.4	113.1	124.6	136.0	155.7	177.0	196.7	216.4
120°	77.0	75.4	85.2	98.3	116.4	126.2	137.7	157.3	177.0	196.7	214.7
122.5°	85.2	82.0	88.5	101.6	118.0	129.5	137.7	157.3	177.0	195.0	213.1
125°	91.8	88.5	93.4	106.5	121.3	131.1	139.3	157.3	177.0	193.4	211.4
127.5°	98.3	95.1	100.0	109.8	122.9	131.1	141.0	157.3	177.0	191.8	208.2
130°	104.9	100.0	106.5	113.1	126.2	132.8	141.0	157.3	175.4	190.1	204.9
132.5°	109.8	104.9	111.5	116.4	127.8	134.4	142.6	157.3	173.7	188.5	203.2
135°	113.1	108.2	116.4	119.6	131.1	137.7	144.2	157.3	172.1	186.9	200.0
137.5°	116.4	109.8	119.6	122.9	132.8	139.3	144.2	155.7	170.5	183.6	196.7
140°	118.0	113.1	122.9	126.2	131.1	137.7	144.2	154.1	167.2	180.3	191.8
142.5°	119.6	113.1	124.6	127.8	131.1	136.0	142.6	150.8	163.9	175.4	186.9
145°	119.6	114.7	124.6	127.8	131.1	134.4	139.3	149.2	159.0	168.8	180.3
147.5°	119.6	116.4	126.2	129.5	132.8	132.8	136.0	145.9	154.1	163.9	173.7
150°	121.3	116.4	126.2	129.5	134.4	134.4	136.0	141.0	150.8	157.3	165.5
152.5°	119.6	118.0	124.6	131.1	134.4	136.0	136.0	137.7	145.9	152.4	159.0
155°	121.3	121.3	126.2	134.4	136.0	136.0	137.7	136.0	139.3	145.9	152.4
157.5°	124.6	127.8	127.8	136.0	139.3	139.3	141.0	139.3	137.7	139.3	145.9
160°	129.5	132.8	132.8	137.7	142.6	142.6	144.2	142.6	141.0	139.3	139.3
162.5°	134.4	137.7	137.7	139.3	144.2	145.9	147.5	145.9	144.2	141.0	139.3
165°	139.3	142.6	142.6	142.6	145.9	147.5	149.2	147.5	147.5	144.2	142.6
167.5°	144.2	147.5	147.5	145.9	147.5	149.2	150.8	149.2	149.2	147.5	144.2
170°	149.2	152.4	152.4	149.2	150.8	150.8	152.4	150.8	150.8	147.5	145.9
172.5°	152.4	155.7	154.1	152.4	152.4	152.4	152.4	150.8	149.2	145.9	145.9
175°	154.1	157.3	157.3	154.1	152.4	152.4	154.1	150.8	149.2	147.5	144.2
177.5°	154.1	157.3	157.3	154.1	154.1	152.4	154.1	152.4	152.4	149.2	145.9
180°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7	1794.7
2.5°	1788.2	1786.6	1776.7	1788.2	1788.2	1784.9	1798.0	1796.4	1794.7	1791.5
5°	1781.6	1780.0	1770.2	1781.6	1781.6	1780.0	1793.1	1794.7	1796.4	1793.1
7.5°	1771.8	1770.2	1760.3	1771.8	1771.8	1770.2	1784.9	1786.6	1788.2	1783.3
10°	1757.0	1755.4	1745.6	1757.0	1758.7	1757.0	1768.5	1770.2	1773.4	1766.9
12.5°	1737.4	1737.4	1727.5	1739.0	1740.7	1739.0	1750.5	1753.8	1757.0	1748.9
15°	1712.8	1714.4	1706.2	1717.7	1719.4	1719.4	1730.8	1732.5	1737.4	1725.9
17.5°	1683.3	1686.6	1680.0	1691.5	1693.1	1694.8	1701.3	1706.2	1711.2	1698.0
20°	1652.2	1653.8	1648.9	1658.7	1662.0	1660.3	1668.5	1675.1	1680.0	1666.9
22.5°	1614.5	1616.1	1611.2	1621.0	1624.3	1625.9	1632.5	1640.7	1644.0	1632.5
25°	1571.8	1578.4	1575.1	1585.0	1588.2	1588.2	1594.8	1603.0	1607.9	1591.5
27.5°	1530.9	1539.1	1535.8	1545.6	1548.9	1550.5	1553.8	1563.6	1568.6	1553.8
30°	1485.0	1494.8	1493.2	1503.0	1506.3	1504.6	1511.2	1521.0	1527.6	1511.2
32.5°	1434.2	1447.3	1445.6	1458.7	1462.0	1463.7	1468.6	1481.7	1488.2	1473.5
35°	1385.0	1399.7	1401.4	1416.1	1421.0	1422.7	1429.2	1442.4	1448.9	1434.2
37.5°	1334.2	1353.8	1358.8	1373.5	1378.4	1380.1	1386.6	1401.4	1407.9	1393.2
40°	1285.0	1308.0	1314.5	1327.6	1332.5	1337.5	1342.4	1357.1	1365.3	1350.6
42.5°	1235.8	1260.4	1268.6	1281.7	1286.6	1291.6	1298.1	1314.5	1321.1	1308.0
45°	1185.0	1211.2	1221.1	1234.2	1240.8	1245.7	1252.2	1267.0	1275.2	1262.1
47.5°	1134.2	1160.4	1170.3	1185.0	1191.6	1198.1	1203.1	1221.1	1229.3	1216.2
50°	1080.1	1109.6	1121.1	1134.2	1144.0	1149.0	1155.5	1171.9	1180.1	1168.6
52.5°	1026.0	1057.2	1070.3	1083.4	1093.2	1101.4	1104.7	1122.7	1130.9	1119.5
55°	970.3	1001.5	1016.2	1031.0	1040.8	1050.6	1053.9	1071.9	1080.1	1063.7
57.5°	914.6	947.4	962.1	978.5	986.7	998.2	1003.1	1019.5	1027.7	1016.2
60°	858.9	890.0	908.0	922.8	934.3	944.1	947.4	965.4	973.6	958.8
62.5°	801.5	834.3	852.3	868.7	878.5	890.0	894.9	911.3	917.9	903.1
65°	742.5	775.3	794.9	809.7	822.8	832.6	835.9	853.9	860.5	845.7
67.5°	683.5	716.3	737.6	754.0	765.4	776.9	780.2	798.2	804.8	793.3
70°	626.1	658.9	680.2	699.9	708.1	719.5	724.5	740.8	747.4	737.6
72.5°	568.7	601.5	624.5	644.1	652.3	663.8	670.4	683.5	693.3	685.1
75°	513.0	545.8	568.7	588.4	596.6	608.1	614.6	627.8	634.3	627.8
77.5°	458.9	491.7	513.0	532.7	542.5	552.4	558.9	572.0	580.2	573.7
80°	406.5	439.3	460.6	478.6	488.4	498.3	504.8	519.6	526.1	521.2
82.5°	357.3	388.5	411.4	429.4	439.3	449.1	455.7	468.8	477.0	470.4
85°	313.1	344.2	365.5	383.5	391.7	401.6	408.1	421.2	427.8	424.5
87.5°	270.4	298.3	322.9	340.9	349.1	358.9	367.1	377.0	385.2	380.3
90°	237.7	262.2	285.2	303.2	313.1	322.9	332.7	342.6	349.1	345.8
92.5°	239.3	262.2	283.6	299.9	309.8	319.6	329.4	340.9	345.8	342.6
95°	239.3	262.2	283.6	299.9	309.8	319.6	329.4	340.9	345.8	342.6
97.5°	239.3	262.2	283.6	299.9	309.8	319.6	329.4	340.9	345.8	340.9
100°	239.3	262.2	283.6	299.9	309.8	318.0	327.8	339.3	344.2	340.9
102.5°	239.3	262.2	281.9	298.3	308.1	316.3	326.2	337.6	342.6	339.3
105°	239.3	260.6	281.9	296.7	306.5	314.7	324.5	334.4	339.3	336.0
107.5°	237.7	259.0	278.6	295.0	303.2	311.4	321.3	331.1	336.0	332.7
110°	237.7	257.3	277.0	291.7	299.9	308.1	318.0	327.8	332.7	329.4





TEST NUMBER: P895226  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	236.0	255.7	275.4	288.5	296.7	304.9	313.1	324.5	329.4	326.2
115°	234.4	254.1	272.1	285.2	293.4	299.9	309.8	321.3	324.5	322.9
117.5°	232.7	250.8	268.8	281.9	290.1	296.7	304.9	314.7	319.6	318.0
120°	231.1	247.5	265.5	277.0	285.2	291.7	298.3	308.1	313.1	309.8
122.5°	227.8	244.2	262.2	273.7	280.3	286.8	293.4	301.6	306.5	304.9
125°	224.5	240.9	257.3	268.8	275.4	280.3	286.8	295.0	298.3	296.7
127.5°	221.3	237.7	252.4	262.2	270.4	275.4	280.3	288.5	291.7	290.1
130°	218.0	232.7	247.5	257.3	263.9	268.8	273.7	281.9	283.6	283.6
132.5°	214.7	227.8	242.6	252.4	259.0	262.2	267.2	273.7	277.0	275.4
135°	211.4	222.9	237.7	245.9	250.8	255.7	260.6	267.2	268.8	268.8
137.5°	206.5	218.0	231.1	239.3	244.2	247.5	252.4	259.0	260.6	260.6
140°	201.6	213.1	224.5	231.1	237.7	240.9	244.2	250.8	252.4	252.4
142.5°	196.7	206.5	218.0	224.5	231.1	232.7	237.7	242.6	244.2	244.2
145°	190.1	201.6	211.4	218.0	222.9	224.5	229.5	234.4	234.4	236.0
147.5°	181.9	191.8	204.9	209.8	214.7	216.4	221.3	224.5	226.2	226.2
150°	173.7	183.6	195.0	203.2	208.2	209.8	211.4	216.4	216.4	218.0
152.5°	165.5	173.7	185.2	193.4	200.0	201.6	203.2	206.5	206.5	208.2
155°	157.3	163.9	173.7	181.9	188.5	191.8	195.0	198.3	198.3	200.0
157.5°	150.8	157.3	165.5	172.1	177.0	181.9	186.9	190.1	190.1	190.1
160°	142.6	147.5	155.7	160.6	167.2	170.5	178.7	181.9	181.9	183.6
162.5°	137.7	139.3	144.2	149.2	154.1	157.3	165.5	173.7	173.7	175.4
165°	139.3	137.7	139.3	141.0	144.2	145.9	150.8	162.3	165.5	167.2
167.5°	142.6	137.7	137.7	137.7	141.0	141.0	145.9	152.4	163.9	160.6
170°	142.6	137.7	134.4	134.4	136.0	134.4	137.7	142.6	149.2	155.7
172.5°	144.2	139.3	134.4	127.8	129.5	127.8	124.6	124.6	126.2	147.5
175°	142.6	139.3	132.8	124.6	122.9	118.0	108.2	100.0	95.1	73.8
177.5°	141.0	136.0	131.1	124.6	121.3	116.4	104.9	91.8	78.7	75.4
180°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4



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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	14.14	15.46	14.76	16.09	16.81	16.77	18.09	17.38	18.72	19.44
	3H	15.54	16.74	16.17	17.39	18.14	19.23	20.43	19.86	21.07	21.83
	4H	15.97	17.11	16.62	17.76	18.53	20.40	21.54	21.05	22.19	22.96
	6H	16.21	17.26	16.87	17.93	18.71	21.58	22.64	22.24	23.30	24.09
	8H	16.25	17.26	16.92	17.95	18.74	22.17	23.18	22.84	23.87	24.66
	12H	16.26	17.23	16.94	17.91	18.73	22.80	23.77	23.48	24.45	25.27
4H	2H	15.04	16.18	15.69	16.83	17.60	17.11	18.25	17.76	18.91	19.67
	3H	16.66	17.63	17.33	18.32	19.11	19.78	20.74	20.44	21.43	22.22
	4H	17.22	18.10	17.90	18.80	19.62	21.09	21.98	21.77	22.67	23.49
	6H	17.56	18.34	18.25	19.06	19.88	22.44	23.22	23.14	23.94	24.77
	8H	17.63	18.36	18.34	19.08	19.92	23.13	23.87	23.84	24.58	25.43
	12H	17.66	18.33	18.39	19.07	19.92	23.89	24.55	24.61	25.29	26.14
8H	4H	17.88	18.61	18.59	19.33	20.17	21.24	21.97	21.94	22.69	23.53
	6H	18.39	19.00	19.12	19.76	20.61	22.73	23.35	23.47	24.11	24.95
	8H	18.54	19.10	19.29	19.86	20.72	23.54	24.10	24.29	24.86	25.72
	12H	18.63	19.12	19.38	19.88	20.79	24.46	24.95	25.20	25.70	26.62
12H	4H	18.05	18.72	18.78	19.46	20.31	21.23	21.89	21.96	22.64	23.48
	6H	18.65	19.21	19.40	19.97	20.83	22.75	23.31	23.50	24.07	24.93
	8H	18.89	19.38	19.63	20.13	21.05	23.61	24.11	24.36	24.86	25.78