

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: P895151

Luminaire Tested: 8TMB-6SL-RND-UNV-L840

Issue Date: 11/11/2024

**Test Information**

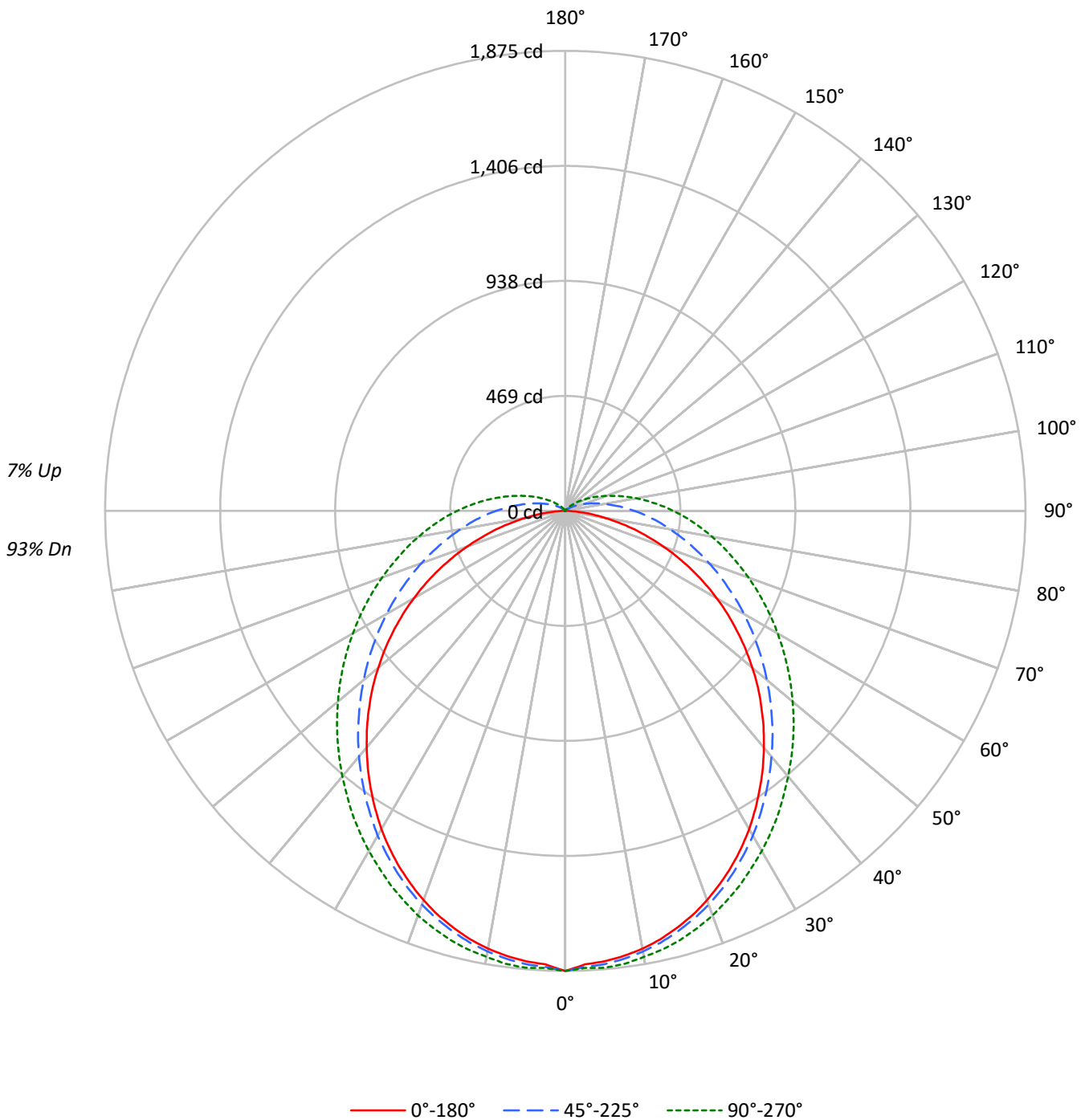
Test Method: LM-79-2019  
Report Number: P895151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-6SL-RND-UNV-L840  
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6207.0 lumens  
Efficiency: N/A  
Efficacy: 147.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35  
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.51  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895151  
CATALOG NUMBER: 8TMB-6SL-RND-UNV-L840

### 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°	6653	6653	6653
5°	6563	6605	6657
10°	6528	6570	6649
15°	6462	6515	6650
20°	6376	6448	6625
25°	6266	6358	6588
30°	6137	6263	6558
35°	5986	6152	6545
40°	5830	6055	6544
45°	5669	5970	6589
50°	5491	5920	6673
55°	5291	5908	6834
60°	5060	5966	7090
65°	4779	6122	7513
70°	4429	6468	8234
75°	4003	7200	9554
80°	3388	8874	12411
85°	2748	14452	21263

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 39142 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.3	2.9
10°-20°	505.2	8.1
20°-30°	756.5	12.2
30°-40°	902.0	14.5
40°-50°	935.5	15.1
50°-60°	867.9	14.0
60°-70°	724.0	11.7
70°-80°	539.8	8.7
80°-90°	359.4	5.8
90°-100°	218.8	3.5
100°-110°	122.2	2.0
110°-120°	61.0	1.0
120°-130°	25.5	0.4
130°-140°	8.0	0.1
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1439.0	23.2
0°-40°	2341.0	37.7
0°-60°	4144.5	66.8
0°-90°	5767.8	92.9
90°-120°	402.1	6.5
90°-150°	437.6	7.1
90°-180°	439.0	7.1
0°-180°	6207.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1875	1875	1875	1875	1875	
5°	1843	1885	1854	1865	1869	175
15°	1759	1805	1774	1806	1810	496
25°	1601	1643	1624	1670	1683	737
35°	1382	1419	1420	1491	1511	864
45°	1130	1159	1190	1284	1313	872
55°	855	885	955	1067	1105	765
65°	569	615	729	852	895	563
75°	292	373	525	653	697	309
85°	68	185	355	477	522	76
90°	3	122	282	398	440	5
95°	0	75	217	326	364	0
105°	0	24	119	201	232	0
115°	2	6	56	113	135	1
125°	2	2	22	54	68	1
135°	2	2	6	19	25	1
145°	2	2	2	4	6	1
155°	3	3	2	2	2	1
165°	3	3	2	2	2	1
175°	3	3	3	2	0	0
180°	3	3	3	3	3	



TEST NUMBER: P895151  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0
2.5°	1850.0	1853.0	1879.4	1877.9	1873.5	1891.1	1895.5	1880.8	1857.4	1880.8	1860.3
5°	1842.7	1845.6	1872.0	1870.6	1866.2	1885.2	1886.7	1873.5	1850.0	1873.5	1854.4
7.5°	1829.5	1832.4	1858.8	1857.4	1854.4	1873.5	1872.0	1861.8	1836.8	1861.8	1841.2
10°	1811.9	1813.4	1841.2	1838.3	1836.8	1855.9	1851.5	1842.7	1817.8	1842.7	1823.6
12.5°	1788.4	1789.9	1817.8	1814.8	1814.8	1832.4	1826.6	1819.2	1794.3	1817.8	1801.6
15°	1759.1	1760.5	1786.9	1785.5	1785.5	1804.6	1795.7	1789.9	1766.4	1791.3	1773.7
17.5°	1726.8	1725.3	1753.2	1750.3	1753.2	1770.8	1759.1	1756.1	1734.1	1757.6	1742.9
20°	1688.6	1688.6	1713.6	1712.1	1716.5	1732.7	1718.0	1719.5	1697.5	1722.4	1707.7
22.5°	1646.1	1644.6	1669.6	1669.6	1674.0	1690.1	1674.0	1678.4	1656.4	1679.8	1668.1
25°	1600.6	1597.7	1622.6	1622.6	1630.0	1643.2	1625.6	1631.4	1610.9	1634.4	1624.1
27.5°	1550.7	1546.3	1571.3	1572.7	1578.6	1591.8	1572.7	1581.5	1562.5	1584.5	1577.1
30°	1497.9	1493.5	1518.5	1519.9	1527.3	1537.5	1518.5	1530.2	1512.6	1534.6	1528.7
32.5°	1440.7	1437.8	1461.2	1464.2	1471.5	1478.9	1461.2	1473.0	1458.3	1480.3	1474.5
35°	1382.0	1379.1	1401.1	1405.5	1412.8	1418.7	1399.6	1415.8	1402.6	1423.1	1420.2
37.5°	1321.9	1317.5	1340.9	1343.9	1352.7	1355.6	1338.0	1357.1	1345.3	1365.9	1364.4
40°	1258.8	1254.4	1277.9	1280.8	1289.6	1289.6	1274.9	1295.5	1286.7	1305.7	1307.2
42.5°	1195.7	1191.3	1211.8	1217.7	1225.0	1225.0	1210.4	1232.4	1226.5	1245.6	1250.0
45°	1129.7	1125.3	1144.3	1150.2	1159.0	1159.0	1144.3	1169.3	1164.9	1184.0	1189.8
47.5°	1065.1	1059.3	1076.9	1082.7	1091.5	1090.1	1078.3	1103.3	1101.8	1120.9	1131.1
50°	994.7	990.3	1007.9	1013.8	1024.0	1021.1	1012.3	1038.7	1038.7	1057.8	1072.5
52.5°	925.7	921.3	939.0	944.8	953.6	953.6	944.8	972.7	977.1	996.2	1013.8
55°	855.3	849.5	867.1	872.9	883.2	884.7	877.3	905.2	914.0	936.0	955.1
57.5°	784.9	782.0	796.6	802.5	815.7	815.7	811.3	840.7	852.4	875.9	897.9
60°	713.0	710.1	723.3	730.6	745.3	748.2	745.3	776.1	792.2	815.7	840.7
62.5°	641.1	638.2	651.4	661.7	677.8	680.7	682.2	714.5	732.1	757.0	784.9
65°	569.2	566.3	579.5	591.2	610.3	614.7	619.1	652.9	673.4	699.8	729.2
67.5°	497.4	495.9	509.1	523.8	544.3	550.2	557.5	592.7	616.2	644.1	676.3
70°	426.9	425.5	438.7	456.3	481.2	488.5	497.4	532.6	561.9	591.2	623.5
72.5°	356.5	358.0	372.6	393.2	421.1	428.4	440.1	476.8	509.1	539.9	573.6
75°	292.0	292.0	308.1	331.6	362.4	372.6	385.9	424.0	457.7	490.0	525.2
77.5°	225.9	225.9	245.0	274.4	308.1	318.4	334.5	374.1	410.8	443.1	478.3
80°	165.8	168.7	190.7	220.1	255.3	268.5	287.6	327.2	366.8	399.1	434.3
82.5°	113.0	117.4	140.8	174.6	209.8	223.0	242.1	284.6	324.2	358.0	394.7
85°	67.5	74.8	99.8	133.5	170.2	184.9	205.4	245.0	284.6	318.4	355.0
87.5°	30.8	41.1	67.5	101.2	136.4	152.6	170.2	208.3	247.9	281.7	319.8
90°	2.9	17.6	44.0	73.4	107.1	121.8	139.4	176.1	214.2	245.0	281.7
92.5°	0.0	7.3	26.4	52.8	82.2	96.8	113.0	148.2	181.9	212.7	247.9
95°	0.0	2.9	14.7	36.7	61.6	74.8	89.5	121.8	155.5	184.9	217.1
97.5°	0.0	1.5	8.8	24.9	45.5	57.2	70.4	99.8	130.6	158.4	187.8
100°	0.0	1.5	4.4	16.1	33.7	42.5	55.8	80.7	108.6	133.5	162.8
102.5°	0.0	0.0	2.9	10.3	24.9	32.3	42.5	64.6	89.5	113.0	139.4
105°	0.0	0.0	1.5	7.3	17.6	23.5	32.3	51.3	73.4	93.9	118.8
107.5°	0.0	0.0	1.5	4.4	11.7	17.6	24.9	39.6	58.7	77.8	99.8
110°	1.5	1.5	1.5	2.9	8.8	13.2	17.6	30.8	48.4	64.6	83.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.5	1.5	1.5	1.5	5.9	8.8	13.2	23.5	38.1	51.3	69.0
115°	1.5	1.5	1.5	1.5	4.4	5.9	8.8	17.6	29.3	41.1	55.8
117.5°	1.5	1.5	1.5	1.5	2.9	4.4	5.9	13.2	22.0	32.3	45.5
120°	1.5	1.5	1.5	1.5	1.5	2.9	4.4	8.8	17.6	24.9	36.7
122.5°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	7.3	13.2	19.1	27.9
125°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	8.8	14.7	22.0
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	10.3	16.1
130°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	7.3	11.7
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	8.8
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9
145°	1.5	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
155°	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5
170°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
172.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5
175°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0	1875.0
2.5°	1866.2	1870.6	1875.0	1863.2	1870.6	1883.8	1888.2	1870.6	1876.4	1864.7
5°	1860.3	1863.2	1869.1	1854.4	1864.7	1876.4	1883.8	1869.1	1877.9	1869.1
7.5°	1848.6	1851.5	1858.8	1844.2	1857.4	1867.6	1876.4	1861.8	1870.6	1861.8
10°	1831.0	1835.4	1845.6	1828.0	1844.2	1853.0	1861.8	1845.6	1854.4	1845.6
12.5°	1809.0	1816.3	1825.1	1809.0	1825.1	1832.4	1844.2	1828.0	1838.3	1831.0
15°	1782.5	1789.9	1801.6	1785.5	1806.0	1811.9	1823.6	1807.5	1817.8	1810.4
17.5°	1751.7	1760.5	1775.2	1756.1	1779.6	1784.0	1795.7	1781.1	1791.3	1784.0
20°	1716.5	1725.3	1740.0	1722.4	1745.9	1748.8	1762.0	1748.8	1759.1	1754.7
22.5°	1675.4	1685.7	1700.4	1684.2	1709.2	1709.2	1725.3	1712.1	1723.9	1719.5
25°	1632.9	1644.6	1660.8	1643.2	1669.6	1669.6	1687.2	1674.0	1685.7	1682.8
27.5°	1587.4	1600.6	1619.7	1602.1	1628.5	1627.0	1644.6	1632.9	1646.1	1641.7
30°	1539.0	1553.7	1572.7	1558.1	1586.0	1583.0	1600.6	1590.4	1602.1	1600.6
32.5°	1486.2	1502.3	1525.8	1509.7	1537.5	1534.6	1556.6	1544.9	1559.5	1556.6
35°	1433.4	1451.0	1474.5	1459.8	1490.6	1486.2	1508.2	1497.9	1512.6	1511.1
37.5°	1379.1	1398.2	1421.6	1409.9	1439.2	1434.8	1458.3	1449.5	1465.6	1461.2
40°	1323.3	1342.4	1367.4	1357.1	1387.9	1382.0	1407.0	1399.6	1415.8	1412.8
42.5°	1267.6	1288.1	1313.1	1307.2	1336.5	1330.7	1355.6	1349.7	1365.9	1362.9
45°	1210.4	1232.4	1258.8	1252.9	1283.7	1277.9	1302.8	1298.4	1314.5	1313.1
47.5°	1153.2	1176.6	1203.0	1200.1	1229.4	1223.6	1250.0	1245.6	1261.7	1261.7
50°	1094.5	1120.9	1147.3	1145.8	1175.2	1169.3	1192.8	1192.8	1210.4	1208.9
52.5°	1035.8	1063.7	1091.5	1091.5	1120.9	1115.0	1141.4	1139.9	1157.6	1157.6
55°	980.0	1005.0	1032.8	1038.7	1066.6	1057.8	1085.7	1088.6	1103.3	1104.7
57.5°	924.3	950.7	978.6	985.9	1012.3	1006.4	1032.8	1035.8	1050.5	1051.9
60°	868.5	893.5	921.3	931.6	958.0	952.2	978.6	981.5	997.6	999.1
62.5°	812.8	837.7	868.5	878.8	903.7	899.3	927.2	930.2	944.8	947.8
65°	758.5	784.9	814.2	828.9	852.4	846.5	874.4	877.3	893.5	894.9
67.5°	705.7	732.1	761.4	777.6	799.6	796.6	823.1	828.9	842.1	845.1
70°	654.3	680.7	711.6	727.7	749.7	748.2	773.2	777.6	792.2	793.7
72.5°	604.5	630.9	661.7	680.7	699.8	698.3	723.3	729.2	743.8	745.3
75°	556.0	583.9	613.3	633.8	652.9	651.4	676.3	682.2	695.4	696.9
77.5°	510.6	538.4	569.2	589.8	605.9	607.4	629.4	635.3	648.5	652.9
80°	468.0	494.4	523.8	545.8	560.4	563.4	583.9	591.2	601.5	607.4
82.5°	426.9	453.3	482.7	503.2	517.9	520.8	539.9	548.7	559.0	563.4
85°	387.3	413.7	441.6	463.6	476.8	478.3	497.4	506.2	515.0	522.3
87.5°	349.2	375.6	402.0	425.5	437.2	440.1	457.7	466.5	473.9	481.2
90°	311.0	337.4	363.8	385.9	397.6	399.1	418.1	426.9	434.3	440.1
92.5°	275.8	302.2	328.6	350.6	360.9	363.8	380.0	390.3	396.1	402.0
95°	242.1	268.5	292.0	315.4	325.7	330.1	344.8	353.6	360.9	363.8
97.5°	212.7	236.2	258.2	281.7	290.5	294.9	309.6	319.8	325.7	328.6
100°	184.9	206.9	227.4	249.4	258.2	262.6	275.8	284.6	290.5	294.9
102.5°	159.9	180.5	199.5	220.1	228.9	231.8	243.5	252.3	258.2	262.6
105°	137.9	157.0	174.6	193.7	201.0	205.4	215.7	223.0	228.9	231.8
107.5°	117.4	136.4	151.1	168.7	176.1	179.0	189.3	198.1	202.5	203.9
110°	99.8	115.9	130.6	145.2	154.0	157.0	165.8	173.1	177.5	179.0





TEST NUMBER: P895151  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	83.6	98.3	111.5	124.7	132.0	135.0	143.8	151.1	154.0	155.5
115°	69.0	83.6	93.9	107.1	113.0	115.9	123.2	130.6	132.0	135.0
117.5°	55.8	69.0	79.2	89.5	95.4	98.3	104.2	110.0	113.0	114.4
120°	45.5	55.8	64.6	74.8	79.2	82.2	88.0	93.9	95.4	96.8
122.5°	36.7	45.5	52.8	61.6	66.0	69.0	73.4	77.8	79.2	80.7
125°	27.9	36.7	42.5	49.9	54.3	55.8	60.2	64.6	66.0	67.5
127.5°	22.0	27.9	33.7	39.6	42.5	44.0	48.4	51.3	52.8	54.3
130°	16.1	20.5	24.9	30.8	33.7	35.2	38.1	41.1	42.5	42.5
132.5°	11.7	16.1	19.1	23.5	24.9	26.4	29.3	32.3	32.3	33.7
135°	7.3	10.3	13.2	16.1	19.1	19.1	22.0	23.5	24.9	24.9
137.5°	5.9	7.3	8.8	11.7	13.2	14.7	14.7	17.6	17.6	17.6
140°	4.4	5.9	5.9	7.3	8.8	10.3	10.3	11.7	11.7	11.7
142.5°	2.9	4.4	4.4	5.9	5.9	7.3	7.3	7.3	8.8	8.8
145°	2.9	2.9	2.9	4.4	4.4	4.4	4.4	5.9	5.9	5.9
147.5°	1.5	1.5	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4
150°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	2.9	2.9
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P895151  
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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	16.87	18.41	17.34	18.87	19.35	18.44	19.98	18.91	20.44	20.92
	3H	18.55	19.95	19.03	20.42	20.95	21.07	22.47	21.55	22.94	23.47
	4H	19.15	20.48	19.65	20.96	21.50	22.38	23.71	22.88	24.19	24.73
	6H	19.54	20.78	20.06	21.28	21.84	23.78	25.02	24.30	25.52	26.08
	8H	19.66	20.85	20.19	21.37	21.93	24.53	25.72	25.06	26.24	26.81
	12H	19.74	20.88	20.27	21.39	21.99	25.38	26.52	25.92	27.04	27.63
4H	2H	17.80	19.13	18.30	19.61	20.15	18.99	20.32	19.50	20.81	21.35
	3H	19.78	20.91	20.30	21.44	22.01	21.91	23.05	22.43	23.57	24.14
	4H	20.55	21.60	21.09	22.13	22.73	23.43	24.48	23.97	25.01	25.61
	6H	21.13	22.05	21.69	22.62	23.23	25.08	26.00	25.63	26.56	27.17
	8H	21.32	22.18	21.88	22.75	23.37	25.96	26.83	26.52	27.39	28.01
	12H	21.44	22.23	22.02	22.82	23.45	26.96	27.75	27.55	28.34	28.97
8H	4H	21.43	22.30	21.99	22.86	23.49	23.80	24.66	24.36	25.23	25.85
	6H	22.31	23.05	22.91	23.66	24.28	25.70	26.43	26.29	27.04	27.67
	8H	22.66	23.33	23.27	23.94	24.58	26.78	27.45	27.39	28.06	28.70
	12H	22.93	23.53	23.54	24.13	24.84	28.04	28.64	28.65	29.24	29.95
12H	4H	21.71	22.50	22.29	23.09	23.72	23.84	24.63	24.42	25.22	25.84
	6H	22.76	23.43	23.37	24.05	24.69	25.81	26.47	26.41	27.09	27.73
	8H	23.28	23.88	23.89	24.48	25.19	27.00	27.60	27.61	28.20	28.91