

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: P895102

Luminaire Tested: 8TMB-6SL-FLT-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895102
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: 8TMB-6SL-FLT-UNV-L835
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

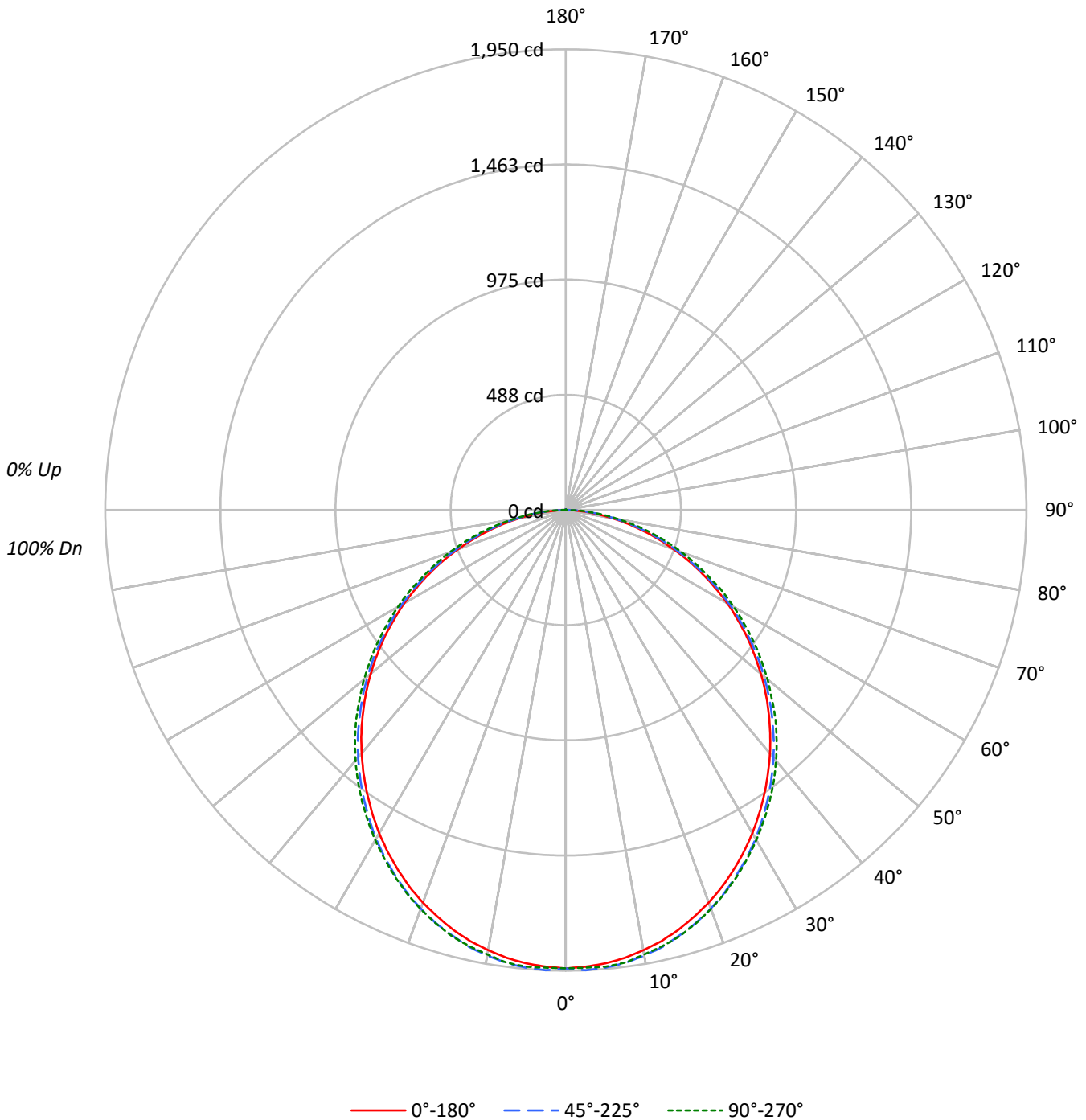
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5385.9 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
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 (A_{in}): 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

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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°	6884	6884	6884
5°	6860	6926	6910
10°	6817	6898	6883
15°	6757	6845	6856
20°	6677	6779	6784
25°	6578	6684	6701
30°	6471	6582	6611
35°	6349	6460	6515
40°	6230	6335	6415
45°	6094	6193	6300
50°	5951	6045	6155
55°	5790	5878	6001
60°	5604	5695	5826
65°	5355	5461	5605
70°	5040	5187	5423
75°	4635	4830	5141
80°	4093	4411	4644
85°	3526	4047	4336

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	3.4
10°-20°	522.9	9.7
20°-30°	783.7	14.6
30°-40°	932.5	17.3
40°-50°	956.8	17.8
50°-60°	857.2	15.9
60°-70°	651.3	12.1
70°-80°	378.5	7.0
80°-90°	113.6	2.1
90°-100°	2.7	0.0
100°-110°	0.5	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.6	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°	1490.1	27.7
0°-40°	2422.5	45.0
0°-60°	4236.5	78.7
0°-90°	5379.9	99.9
90°-120°	3.2	0.1
90°-150°	4.8	0.1
90°-180°	6.0	0.1
0°-180°	5385.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1940	1940	1940	1940	1940	
5°	1926	1959	1944	1935	1940	183
15°	1839	1875	1864	1861	1866	519
25°	1680	1719	1707	1704	1712	774
35°	1466	1501	1491	1496	1504	917
45°	1214	1244	1234	1244	1256	937
55°	936	959	950	962	970	836
65°	638	653	650	662	668	631
75°	338	351	352	365	375	359
85°	87	94	99	106	106	95
90°	1	6	6	10	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	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	1
175°	3	3	3	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	1934.6	1931.7	1934.6	1933.1	1947.3	1964.4	1961.5	1948.8	1934.6	1938.8	1950.2
5°	1926.0	1924.6	1928.9	1926.0	1940.2	1958.7	1953.0	1941.7	1928.9	1933.1	1944.5
7.5°	1911.8	1911.8	1917.5	1914.7	1927.5	1945.9	1940.2	1930.3	1917.5	1921.8	1933.1
10°	1892.0	1893.4	1900.5	1896.2	1907.6	1927.5	1921.8	1911.8	1900.5	1903.3	1914.7
12.5°	1869.2	1869.2	1877.7	1873.5	1884.8	1903.3	1896.2	1889.1	1877.7	1880.6	1893.4
15°	1839.4	1840.8	1850.8	1846.5	1856.4	1874.9	1867.8	1862.1	1852.2	1853.6	1863.5
17.5°	1805.3	1809.6	1819.5	1815.2	1825.2	1843.7	1835.1	1829.5	1820.9	1822.4	1832.3
20°	1768.4	1772.6	1782.6	1779.7	1786.8	1805.3	1796.8	1793.9	1785.4	1786.8	1795.4
22.5°	1727.2	1731.4	1742.8	1740.0	1747.1	1765.5	1755.6	1754.2	1745.7	1747.1	1754.2
25°	1680.3	1686.0	1698.8	1695.9	1701.6	1718.7	1710.1	1707.3	1701.6	1701.6	1707.3
27.5°	1632.0	1637.7	1651.9	1647.6	1651.9	1670.4	1660.4	1659.0	1653.3	1653.3	1659.0
30°	1579.5	1585.1	1600.8	1596.5	1600.8	1616.4	1606.5	1607.9	1602.2	1602.2	1606.5
32.5°	1524.1	1528.3	1545.4	1542.5	1545.4	1561.0	1551.1	1552.5	1546.8	1548.2	1549.6
35°	1465.8	1470.1	1488.6	1485.7	1487.1	1501.3	1494.2	1494.2	1490.0	1488.6	1491.4
37.5°	1406.2	1410.4	1433.2	1426.1	1426.1	1440.3	1434.6	1434.6	1430.3	1428.9	1430.3
40°	1345.1	1347.9	1372.1	1365.0	1363.6	1376.4	1372.1	1372.1	1369.2	1366.4	1367.8
42.5°	1281.2	1285.4	1309.6	1303.9	1298.2	1312.4	1308.2	1309.6	1305.3	1302.5	1302.5
45°	1214.4	1218.7	1242.8	1240.0	1231.5	1244.3	1240.0	1242.8	1237.2	1234.3	1234.3
47.5°	1147.7	1153.4	1176.1	1171.8	1163.3	1176.1	1171.8	1174.7	1169.0	1166.1	1166.1
50°	1078.1	1083.8	1107.9	1100.8	1092.3	1105.1	1102.2	1103.6	1099.4	1096.5	1095.1
52.5°	1007.1	1014.2	1036.9	1028.4	1021.3	1032.6	1031.2	1032.6	1026.9	1025.5	1024.1
55°	936.0	943.1	964.4	954.5	948.8	958.8	955.9	958.8	953.1	951.7	950.2
57.5°	862.2	869.3	889.2	879.2	875.0	883.5	882.1	883.5	879.2	877.8	876.4
60°	789.7	795.4	813.9	803.9	799.7	808.2	805.4	809.6	803.9	803.9	802.5
62.5°	713.0	720.1	738.6	727.2	724.4	731.5	728.7	732.9	730.1	727.2	725.8
65°	637.8	642.0	659.1	649.1	644.9	653.4	652.0	654.8	650.5	652.0	650.5
67.5°	562.5	565.3	582.4	571.0	568.2	576.7	578.1	576.7	573.8	575.3	573.8
70°	485.8	488.6	502.8	492.9	491.5	498.6	501.4	500.0	497.1	498.6	500.0
72.5°	411.9	413.3	426.1	417.6	416.2	424.7	424.7	424.7	424.7	424.7	427.5
75°	338.1	339.5	350.8	343.7	342.3	350.8	350.8	350.8	350.8	353.7	352.3
77.5°	267.0	265.6	277.0	272.7	269.9	278.4	278.4	279.8	282.7	285.5	281.2
80°	200.3	198.9	207.4	201.7	201.7	210.2	208.8	210.2	213.1	214.5	215.9
82.5°	140.6	137.8	144.9	143.5	142.0	149.1	150.6	149.1	153.4	154.8	154.8
85°	86.6	86.6	90.9	88.1	88.1	93.7	93.7	95.2	98.0	99.4	99.4
87.5°	41.2	39.8	44.0	42.6	41.2	45.5	45.5	46.9	48.3	49.7	48.3
90°	1.4	1.4	2.8	2.8	2.8	5.7	5.7	5.7	7.1	7.1	5.7
92.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8
95°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4



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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	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4
132.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
135°	0.0	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	0.0	1.4
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
167.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
170°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
172.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
175°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	2.8	2.8
177.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	1933.1	1923.2	1918.9	1921.8	1941.7	1921.8	1943.1	1950.2	1924.6	1938.8
5°	1927.5	1917.5	1911.8	1914.7	1934.6	1916.1	1938.8	1947.3	1926.0	1940.2
7.5°	1916.1	1904.7	1901.9	1906.2	1923.2	1907.6	1930.3	1938.8	1917.5	1931.7
10°	1899.1	1889.1	1886.3	1890.5	1906.2	1890.5	1910.4	1917.5	1897.6	1910.4
12.5°	1877.7	1867.8	1865.0	1870.6	1884.8	1870.6	1890.5	1897.6	1877.7	1890.5
15°	1850.8	1840.8	1839.4	1847.9	1860.7	1847.9	1867.8	1873.5	1853.6	1866.4
17.5°	1818.1	1808.1	1809.6	1819.5	1829.5	1818.1	1836.6	1842.2	1823.8	1833.7
20°	1782.6	1771.2	1774.1	1782.6	1791.1	1779.7	1798.2	1803.9	1786.8	1796.8
22.5°	1741.4	1730.0	1732.9	1742.8	1748.5	1738.5	1755.6	1761.3	1747.1	1757.0
25°	1695.9	1686.0	1690.3	1700.2	1704.5	1695.9	1711.6	1715.8	1703.0	1711.6
27.5°	1650.5	1639.1	1644.8	1654.7	1657.6	1649.1	1664.7	1667.5	1654.7	1663.3
30°	1599.4	1588.0	1595.1	1606.5	1606.5	1600.8	1613.6	1616.4	1606.5	1613.6
32.5°	1542.5	1534.0	1542.5	1552.5	1551.1	1546.8	1559.6	1562.4	1553.9	1559.6
35°	1485.7	1478.6	1487.1	1497.1	1495.7	1491.4	1504.2	1505.6	1498.5	1504.2
37.5°	1427.5	1421.8	1430.3	1438.8	1436.0	1433.2	1444.5	1444.5	1440.3	1446.0
40°	1367.8	1362.1	1369.2	1379.2	1373.5	1373.5	1380.6	1383.5	1379.2	1384.9
42.5°	1305.3	1299.7	1308.2	1316.7	1311.0	1309.6	1318.1	1319.5	1316.7	1321.0
45°	1240.0	1234.3	1242.8	1249.9	1244.3	1244.3	1251.4	1251.4	1249.9	1255.6
47.5°	1173.2	1169.0	1176.1	1183.2	1177.5	1181.8	1181.8	1181.8	1184.6	1183.2
50°	1105.1	1100.8	1106.5	1115.0	1107.9	1109.3	1112.2	1112.2	1113.6	1115.0
52.5°	1034.0	1028.4	1034.0	1044.0	1034.0	1038.3	1039.7	1041.1	1045.4	1042.6
55°	963.0	957.3	963.0	971.5	961.6	967.3	967.3	968.7	973.0	970.1
57.5°	889.2	883.5	892.0	897.7	887.7	893.4	893.4	896.3	899.1	894.8
60°	815.3	811.0	813.9	823.8	813.9	819.6	819.6	819.6	825.2	821.0
62.5°	740.0	737.2	740.0	748.5	738.6	744.3	742.9	744.3	750.0	748.5
65°	663.3	660.5	663.3	671.8	661.9	667.6	667.6	669.0	673.3	667.6
67.5°	588.0	583.8	588.0	595.1	586.6	590.9	590.9	590.9	598.0	595.1
70°	511.3	508.5	511.3	518.4	511.3	514.2	514.2	514.2	521.3	522.7
72.5°	436.1	436.1	438.9	444.6	438.9	444.6	440.3	437.5	447.4	448.8
75°	362.2	363.6	365.0	370.7	365.0	370.7	367.9	365.0	373.6	375.0
77.5°	294.0	294.0	295.4	299.7	295.4	299.7	296.9	296.9	302.5	301.1
80°	224.4	224.4	225.8	230.1	225.8	230.1	227.3	227.3	232.9	227.3
82.5°	163.3	163.3	163.3	167.6	164.8	167.6	166.2	163.3	170.4	164.8
85°	105.1	106.5	106.5	107.9	106.5	107.9	107.9	106.5	110.8	106.5
87.5°	54.0	54.0	54.0	55.4	54.0	54.0	55.4	54.0	56.8	55.4
90°	9.9	8.5	8.5	11.4	9.9	9.9	11.4	8.5	9.9	8.5
92.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7
95°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.3
97.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
100°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
102.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
105°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4
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	1.4	0.0	0.0	0.0	1.4



TEST NUMBER: P895102

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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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	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°	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
172.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



TEST NUMBER: P895102
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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	18.21	19.85	18.58	20.16	20.48	18.35	19.98	18.71	20.30	20.62
	3H	20.03	21.51	20.41	21.84	22.21	20.18	21.66	20.56	21.99	22.35
	4H	20.69	22.09	21.09	22.44	22.82	20.89	22.28	21.29	22.63	23.01
	6H	21.15	22.44	21.56	22.81	23.20	21.44	22.74	21.86	23.10	23.50
	8H	21.29	22.52	21.71	22.91	23.31	21.64	22.87	22.06	23.27	23.67
	12H	21.38	22.57	21.81	22.95	23.38	21.78	22.96	22.21	23.35	23.78
4H	2H	18.84	20.24	19.24	20.59	20.97	18.95	20.35	19.35	20.70	21.07
	3H	20.88	22.06	21.30	22.46	22.86	21.02	22.19	21.43	22.59	22.99
	4H	21.68	22.74	22.11	23.15	23.59	21.86	22.92	22.30	23.34	23.78
	6H	22.25	23.18	22.71	23.62	24.08	22.56	23.48	23.01	23.93	24.38
	8H	22.44	23.31	22.90	23.76	24.22	22.80	23.67	23.26	24.11	24.58
	12H	22.59	23.37	23.07	23.85	24.32	22.99	23.78	23.48	24.25	24.72
8H	4H	22.01	22.88	22.47	23.32	23.79	22.17	23.04	22.63	23.49	23.95
	6H	22.71	23.43	23.20	23.92	24.40	23.00	23.72	23.49	24.21	24.69
	8H	22.97	23.62	23.48	24.13	24.62	23.33	23.98	23.84	24.49	24.97
	12H	23.19	23.76	23.70	24.26	24.82	23.61	24.19	24.12	24.68	25.24
12H	4H	22.05	22.83	22.53	23.31	23.78	22.20	22.99	22.69	23.46	23.94
	6H	22.78	23.43	23.29	23.94	24.43	23.05	23.71	23.56	24.21	24.70
	8H	23.11	23.68	23.61	24.17	24.74	23.45	24.02	23.96	24.52	25.08