

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: P895103

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895103
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-L840
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

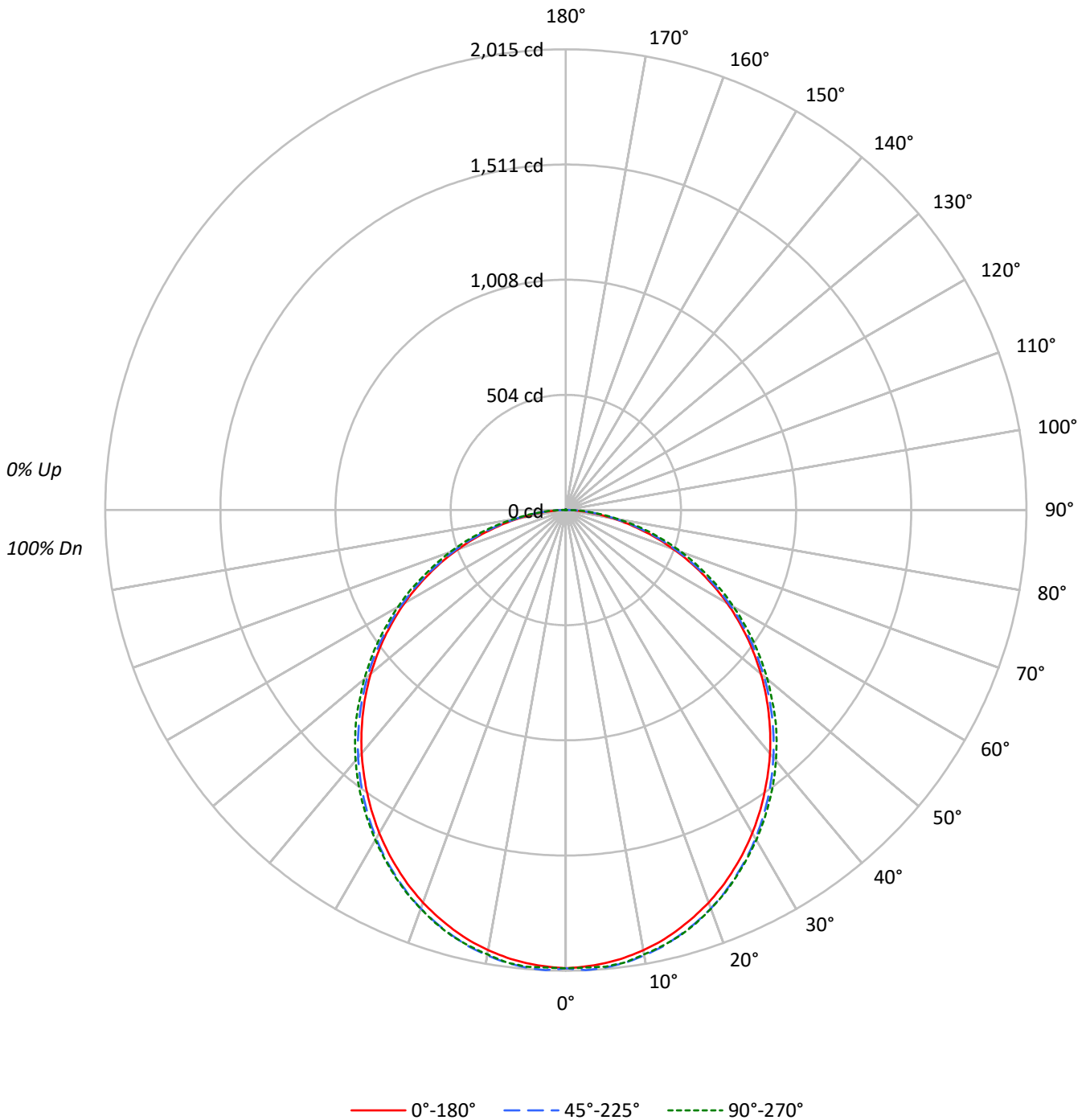
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5564.1 lumens
Efficiency: N/A
Efficacy: 131.8 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°	7112	7112	7112
5°	7087	7155	7139
10°	7042	7126	7111
15°	6980	7071	7082
20°	6898	7003	7009
25°	6796	6905	6922
30°	6685	6799	6829
35°	6559	6674	6731
40°	6436	6545	6626
45°	6295	6398	6509
50°	6148	6245	6358
55°	5982	6072	6200
60°	5789	5883	6018
65°	5531	5642	5790
70°	5206	5358	5602
75°	4787	4989	5311
80°	4228	4557	4798
85°	3644	4181	4478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6509 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.5	3.4
10°-20°	540.2	9.7
20°-30°	809.6	14.5
30°-40°	963.3	17.3
40°-50°	988.4	17.8
50°-60°	885.5	15.9
60°-70°	672.8	12.1
70°-80°	391.0	7.0
80°-90°	117.3	2.1
90°-100°	2.8	0.1
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°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1539.3	27.7
0°-40°	2502.6	45.0
0°-60°	4376.5	78.7
0°-90°	5557.7	99.9
90°-120°	3.3	0.1
90°-150°	5.1	0.1
90°-180°	6.0	0.1
0°-180°	5564.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	1990	2023	2009	1998	2004	189
15°	1900	1937	1925	1922	1928	536
25°	1736	1776	1764	1761	1768	800
35°	1514	1551	1541	1545	1554	948
45°	1255	1285	1275	1285	1297	968
55°	967	990	982	993	1002	864
65°	659	675	672	684	690	652
75°	349	362	364	377	387	370
85°	90	97	103	110	110	98
90°	2	6	6	10	9	6
95°	0	2	2	3	4	0
105°	0	0	0	2	2	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	2	0	0	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	3	3	3	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4
2.5°	1998.5	1995.6	1998.5	1997.0	2011.7	2029.3	2026.4	2013.2	1998.5	2002.9	2014.6
5°	1989.7	1988.2	1992.6	1989.7	2004.4	2023.4	2017.6	2005.8	1992.6	1997.0	2008.8
7.5°	1975.0	1975.0	1980.9	1978.0	1991.2	2010.2	2004.4	1994.1	1980.9	1985.3	1997.0
10°	1954.5	1955.9	1963.3	1958.9	1970.6	1991.2	1985.3	1975.0	1963.3	1966.2	1978.0
12.5°	1931.0	1931.0	1939.8	1935.4	1947.1	1966.2	1958.9	1951.5	1939.8	1942.7	1955.9
15°	1900.2	1901.7	1911.9	1907.5	1917.8	1936.9	1929.5	1923.7	1913.4	1914.9	1925.1
17.5°	1865.0	1869.4	1879.6	1875.2	1885.5	1904.6	1895.8	1889.9	1881.1	1882.6	1892.8
20°	1826.8	1831.2	1841.5	1838.6	1845.9	1865.0	1856.2	1853.2	1844.4	1845.9	1854.7
22.5°	1784.3	1788.7	1800.4	1797.5	1804.8	1823.9	1813.6	1812.1	1803.3	1804.8	1812.1
25°	1735.8	1741.7	1754.9	1752.0	1757.9	1775.5	1766.7	1763.7	1757.9	1757.9	1763.7
27.5°	1686.0	1691.8	1706.5	1702.1	1706.5	1725.6	1715.3	1713.8	1708.0	1708.0	1713.8
30°	1631.7	1637.5	1653.7	1649.3	1653.7	1669.8	1659.5	1661.0	1655.1	1655.1	1659.5
32.5°	1574.4	1578.8	1596.4	1593.5	1596.4	1612.6	1602.3	1603.8	1597.9	1599.4	1600.9
35°	1514.3	1518.7	1537.8	1534.8	1536.3	1551.0	1543.6	1543.6	1539.2	1537.8	1540.7
37.5°	1452.7	1457.1	1480.5	1473.2	1473.2	1487.9	1482.0	1482.0	1477.6	1476.1	1477.6
40°	1389.6	1392.5	1417.4	1410.1	1408.6	1421.8	1417.4	1417.4	1414.5	1411.6	1413.0
42.5°	1323.5	1327.9	1352.9	1347.0	1341.1	1355.8	1351.4	1352.9	1348.5	1345.5	1345.5
45°	1254.6	1259.0	1283.9	1281.0	1272.2	1285.4	1281.0	1283.9	1278.0	1275.1	1275.1
47.5°	1185.6	1191.5	1214.9	1210.5	1201.7	1214.9	1210.5	1213.5	1207.6	1204.7	1204.7
50°	1113.7	1119.6	1144.5	1137.2	1128.4	1141.6	1138.6	1140.1	1135.7	1132.8	1131.3
52.5°	1040.3	1047.7	1071.1	1062.3	1055.0	1066.7	1065.3	1066.7	1060.9	1059.4	1057.9
55°	967.0	974.3	996.3	986.0	980.2	990.4	987.5	990.4	984.6	983.1	981.6
57.5°	890.7	898.0	918.5	908.3	903.9	912.7	911.2	912.7	908.3	906.8	905.3
60°	815.8	821.7	840.8	830.5	826.1	834.9	832.0	836.4	830.5	830.5	829.0
62.5°	736.6	743.9	763.0	751.3	748.3	755.7	752.7	757.1	754.2	751.3	749.8
65°	658.8	663.2	680.8	670.6	666.2	675.0	673.5	676.4	672.0	673.5	672.0
67.5°	581.1	584.0	601.6	589.9	586.9	595.7	597.2	595.7	592.8	594.3	592.8
70°	501.8	504.8	519.4	509.2	507.7	515.0	518.0	516.5	513.6	515.0	516.5
72.5°	425.5	427.0	440.2	431.4	429.9	438.7	438.7	438.7	438.7	438.7	441.7
75°	349.2	350.7	362.4	355.1	353.6	362.4	362.4	362.4	362.4	365.4	363.9
77.5°	275.9	274.4	286.1	281.7	278.8	287.6	287.6	289.1	292.0	294.9	290.5
80°	206.9	205.4	214.2	208.4	208.4	217.2	215.7	217.2	220.1	221.6	223.0
82.5°	145.3	142.3	149.7	148.2	146.7	154.1	155.5	154.1	158.5	159.9	159.9
85°	89.5	89.5	93.9	91.0	91.0	96.8	96.8	98.3	101.2	102.7	102.7
87.5°	42.6	41.1	45.5	44.0	42.6	47.0	47.0	48.4	49.9	51.4	49.9
90°	1.5	1.5	2.9	2.9	2.9	5.9	5.9	5.9	7.3	7.3	5.9
92.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	2.9
95°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5



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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	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5
132.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
135°	0.0	1.5	1.5	1.5	1.5	0.0	1.5	0.0	0.0	0.0	1.5
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	1.5	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	1.5
157.5°	1.5	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	1.5
162.5°	1.5	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	1.5
167.5°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
170°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
175°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.5	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4	2004.4
2.5°	1997.0	1986.8	1982.4	1985.3	2005.8	1985.3	2007.3	2014.6	1988.2	2002.9
5°	1991.2	1980.9	1975.0	1978.0	1998.5	1979.4	2002.9	2011.7	1989.7	2004.4
7.5°	1979.4	1967.7	1964.7	1969.2	1986.8	1970.6	1994.1	2002.9	1980.9	1995.6
10°	1961.8	1951.5	1948.6	1953.0	1969.2	1953.0	1973.6	1980.9	1960.3	1973.6
12.5°	1939.8	1929.5	1926.6	1932.5	1947.1	1932.5	1953.0	1960.3	1939.8	1953.0
15°	1911.9	1901.7	1900.2	1909.0	1922.2	1909.0	1929.5	1935.4	1914.9	1928.1
17.5°	1878.2	1867.9	1869.4	1879.6	1889.9	1878.2	1897.3	1903.1	1884.0	1894.3
20°	1841.5	1829.8	1832.7	1841.5	1850.3	1838.6	1857.6	1863.5	1845.9	1856.2
22.5°	1798.9	1787.2	1790.1	1800.4	1806.3	1796.0	1813.6	1819.5	1804.8	1815.1
25°	1752.0	1741.7	1746.1	1756.4	1760.8	1752.0	1768.1	1772.5	1759.3	1768.1
27.5°	1705.0	1693.3	1699.2	1709.4	1712.4	1703.6	1719.7	1722.6	1709.4	1718.2
30°	1652.2	1640.5	1647.8	1659.5	1659.5	1653.7	1666.9	1669.8	1659.5	1666.9
32.5°	1593.5	1584.7	1593.5	1603.8	1602.3	1597.9	1611.1	1614.1	1605.3	1611.1
35°	1534.8	1527.5	1536.3	1546.6	1545.1	1540.7	1553.9	1555.4	1548.0	1553.9
37.5°	1474.7	1468.8	1477.6	1486.4	1483.5	1480.5	1492.3	1492.3	1487.9	1493.7
40°	1413.0	1407.2	1414.5	1424.8	1418.9	1418.9	1426.2	1429.2	1424.8	1430.6
42.5°	1348.5	1342.6	1351.4	1360.2	1354.3	1352.9	1361.7	1363.1	1360.2	1364.6
45°	1281.0	1275.1	1283.9	1291.2	1285.4	1285.4	1292.7	1292.7	1291.2	1297.1
47.5°	1212.0	1207.6	1214.9	1222.3	1216.4	1220.8	1220.8	1220.8	1223.7	1222.3
50°	1141.6	1137.2	1143.0	1151.9	1144.5	1146.0	1148.9	1148.9	1150.4	1151.9
52.5°	1068.2	1062.3	1068.2	1078.5	1068.2	1072.6	1074.1	1075.5	1080.0	1077.0
55°	994.8	989.0	994.8	1003.7	993.4	999.2	999.2	1000.7	1005.1	1002.2
57.5°	918.5	912.7	921.5	927.3	917.1	922.9	922.9	925.9	928.8	924.4
60°	842.2	837.8	840.8	851.0	840.8	846.6	846.6	846.6	852.5	848.1
62.5°	764.5	761.5	764.5	773.3	763.0	768.9	767.4	768.9	774.7	773.3
65°	685.2	682.3	685.2	694.0	683.8	689.6	689.6	691.1	695.5	689.6
67.5°	607.5	603.1	607.5	614.8	606.0	610.4	610.4	610.4	617.7	614.8
70°	528.2	525.3	528.2	535.6	528.2	531.2	531.2	531.2	538.5	540.0
72.5°	450.5	450.5	453.4	459.3	453.4	459.3	454.9	451.9	462.2	463.7
75°	374.2	375.6	377.1	383.0	377.1	383.0	380.0	377.1	385.9	387.4
77.5°	303.7	303.7	305.2	309.6	305.2	309.6	306.7	306.7	312.5	311.1
80°	231.8	231.8	233.3	237.7	233.3	237.7	234.8	234.8	240.6	234.8
82.5°	168.7	168.7	168.7	173.1	170.2	173.1	171.7	168.7	176.1	170.2
85°	108.6	110.0	110.0	111.5	110.0	111.5	111.5	110.0	114.5	110.0
87.5°	55.8	55.8	55.8	57.2	55.8	55.8	57.2	55.8	58.7	57.2
90°	10.3	8.8	8.8	11.7	10.3	10.3	11.7	8.8	10.3	8.8
92.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9
95°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4
97.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9
100°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
102.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
105°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5
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	1.5	0.0	0.0	0.0	1.5



TEST NUMBER: P895103

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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	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	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°	1.5	1.5	1.5	1.5	0.0	1.5	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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	1.5
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P895103
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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	18.32	19.96	18.69	20.28	20.59	18.46	20.09	18.82	20.41	20.73
	3H	20.15	21.63	20.52	21.96	22.32	20.29	21.77	20.67	22.10	22.46
	4H	20.81	22.20	21.21	22.55	22.93	21.00	22.39	21.40	22.74	23.12
	6H	21.26	22.55	21.67	22.92	23.31	21.56	22.85	21.97	23.22	23.61
	8H	21.40	22.64	21.82	23.03	23.43	21.75	22.99	22.18	23.38	23.78
	12H	21.49	22.68	21.93	23.06	23.49	21.89	23.08	22.32	23.46	23.89
4H	2H	18.96	20.35	19.36	20.70	21.08	19.06	20.46	19.46	20.81	21.19
	3H	21.00	22.17	21.41	22.57	22.97	21.13	22.30	21.54	22.70	23.11
	4H	21.79	22.85	22.22	23.27	23.71	21.98	23.04	22.41	23.45	23.89
	6H	22.37	23.29	22.82	23.74	24.19	22.67	23.60	23.12	24.04	24.50
	8H	22.56	23.43	23.02	23.87	24.34	22.91	23.78	23.38	24.23	24.69
	12H	22.70	23.48	23.18	23.96	24.43	23.11	23.89	23.59	24.37	24.84
8H	4H	22.12	22.99	22.58	23.43	23.90	22.29	23.15	22.75	23.60	24.07
	6H	22.82	23.55	23.32	24.04	24.51	23.11	23.84	23.61	24.32	24.80
	8H	23.09	23.74	23.60	24.24	24.73	23.44	24.09	23.95	24.60	25.09
	12H	23.30	23.88	23.81	24.37	24.93	23.72	24.30	24.23	24.79	25.35
12H	4H	22.16	22.95	22.64	23.42	23.89	22.32	23.10	22.80	23.58	24.05
	6H	22.89	23.54	23.40	24.05	24.54	23.17	23.82	23.68	24.33	24.81
	8H	23.22	23.79	23.73	24.29	24.85	23.56	24.14	24.07	24.63	25.19