

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: P895265

Luminaire Tested: 8TMB-8SL-RND-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895265
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-8SL-RND-UNV-L930
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

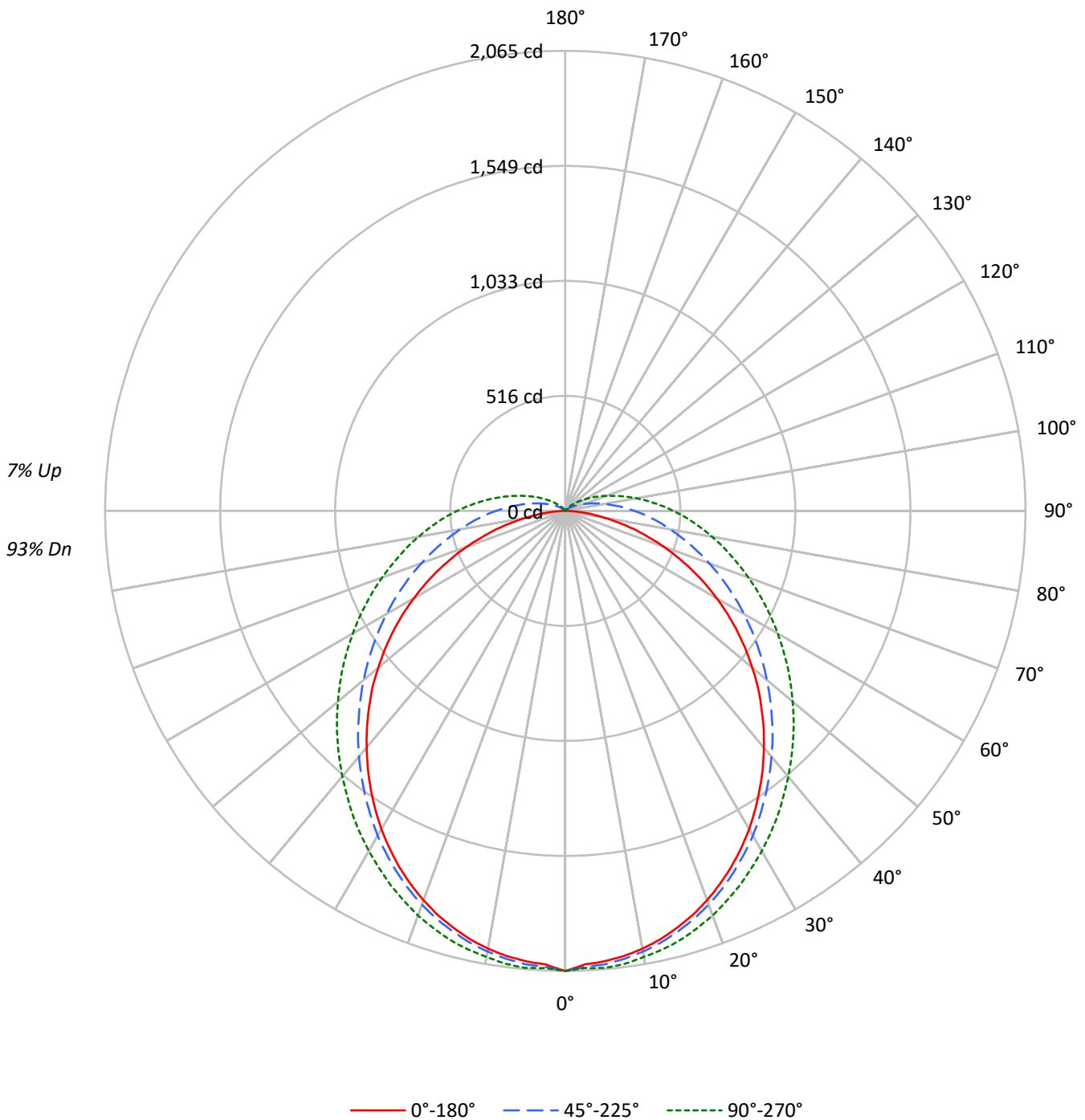
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6837.0 lumens
Efficiency: N/A
Efficacy: 114.7 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): 59.6
Input Voltage (V): 120
Input Current (A_{in}): 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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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°	7328	7328	7328
5°	7229	7275	7333
10°	7191	7237	7325
15°	7117	7177	7325
20°	7023	7103	7298
25°	6902	7003	7257
30°	6760	6899	7223
35°	6594	6776	7210
40°	6422	6669	7208
45°	6244	6576	7257
50°	6048	6521	7350
55°	5828	6508	7528
60°	5573	6571	7809
65°	5264	6743	8276
70°	4879	7125	9070
75°	4409	7931	10523
80°	3731	9773	13670
85°	3025	15922	23421

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 43120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	2.9
10°-20°	556.5	8.1
20°-30°	833.3	12.2
30°-40°	993.6	14.5
40°-50°	1030.5	15.1
50°-60°	956.0	14.0
60°-70°	797.5	11.7
70°-80°	594.6	8.7
80°-90°	395.9	5.8
90°-100°	241.0	3.5
100°-110°	134.6	2.0
110°-120°	67.2	1.0
120°-130°	28.1	0.4
130°-140°	8.8	0.1
140°-150°	2.2	0.0
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1585.1	23.2
0°-40°	2578.7	37.7
0°-60°	4565.1	66.8
0°-90°	6353.2	92.9
90°-120°	442.8	6.5
90°-150°	482.0	7.0
90°-180°	484.0	7.1
0°-180°	6837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2030	2077	2043	2054	2059	193
15°	1938	1988	1954	1989	1994	546
25°	1763	1810	1789	1839	1854	812
35°	1522	1563	1564	1642	1664	952
45°	1244	1277	1311	1414	1446	960
55°	942	974	1052	1175	1217	842
65°	627	677	803	939	986	621
75°	322	410	578	719	768	340
85°	74	204	391	525	575	83
90°	3	134	310	438	485	6
95°	0	82	239	359	401	0
105°	0	26	131	221	255	0
115°	2	6	61	124	149	2
125°	2	2	24	60	74	1
135°	2	2	6	21	28	1
145°	2	2	2	5	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2037.8	2041.0	2070.1	2068.5	2063.7	2083.1	2087.9	2071.7	2045.9	2071.7	2049.1
5°	2029.7	2033.0	2062.0	2060.4	2055.6	2076.6	2078.2	2063.7	2037.8	2063.7	2042.7
7.5°	2015.2	2018.4	2047.5	2045.9	2042.7	2063.7	2062.0	2050.7	2023.3	2050.7	2028.1
10°	1995.8	1997.4	2028.1	2024.9	2023.3	2044.3	2039.4	2029.7	2002.3	2029.7	2008.7
12.5°	1969.9	1971.5	2002.3	1999.0	1999.0	2018.4	2011.9	2003.9	1976.4	2002.3	1984.5
15°	1937.6	1939.2	1968.3	1966.7	1966.7	1987.7	1978.0	1971.5	1945.7	1973.2	1953.8
17.5°	1902.1	1900.4	1931.1	1927.9	1931.1	1950.5	1937.6	1934.4	1910.1	1936.0	1919.8
20°	1860.0	1860.0	1887.5	1885.9	1890.7	1908.5	1892.4	1894.0	1869.7	1897.2	1881.1
22.5°	1813.2	1811.6	1839.0	1839.0	1843.9	1861.7	1843.9	1848.7	1824.5	1850.3	1837.4
25°	1763.1	1759.9	1787.3	1787.3	1795.4	1809.9	1790.6	1797.0	1774.4	1800.3	1788.9
27.5°	1708.1	1703.3	1730.8	1732.4	1738.8	1753.4	1732.4	1742.1	1721.1	1745.3	1737.2
30°	1650.0	1645.1	1672.6	1674.2	1682.3	1693.6	1672.6	1685.5	1666.1	1690.4	1683.9
32.5°	1586.9	1583.7	1609.6	1612.8	1620.9	1629.0	1609.6	1622.5	1606.3	1630.6	1624.1
35°	1522.3	1519.1	1543.3	1548.2	1556.2	1562.7	1541.7	1559.5	1544.9	1567.5	1564.3
37.5°	1456.0	1451.2	1477.0	1480.3	1490.0	1493.2	1473.8	1494.8	1481.9	1504.5	1502.9
40°	1386.5	1381.7	1407.6	1410.8	1420.5	1420.5	1404.3	1426.9	1417.3	1438.3	1439.9
42.5°	1317.1	1312.2	1334.8	1341.3	1349.4	1349.4	1333.2	1357.5	1351.0	1372.0	1376.9
45°	1244.3	1239.5	1260.5	1267.0	1276.7	1276.7	1260.5	1288.0	1283.1	1304.1	1310.6
47.5°	1173.2	1166.8	1186.2	1192.6	1202.3	1200.7	1187.8	1215.3	1213.6	1234.6	1246.0
50°	1095.7	1090.8	1110.2	1116.7	1128.0	1124.8	1115.1	1144.1	1144.1	1165.2	1181.3
52.5°	1019.7	1014.9	1034.3	1040.7	1050.4	1050.4	1040.7	1071.4	1076.3	1097.3	1116.7
55°	942.1	935.7	955.1	961.5	972.8	974.5	966.4	997.1	1006.8	1031.0	1052.0
57.5°	864.6	861.3	877.5	884.0	898.5	898.5	893.7	926.0	938.9	964.8	989.0
60°	785.4	782.2	796.7	804.8	820.9	824.2	820.9	854.9	872.7	898.5	926.0
62.5°	706.2	703.0	717.5	728.8	746.6	749.8	751.5	787.0	806.4	833.9	864.6
65°	627.0	623.8	638.3	651.3	672.3	677.1	682.0	719.1	741.8	770.8	803.2
67.5°	547.8	546.2	560.8	576.9	599.5	606.0	614.1	652.9	678.7	709.4	745.0
70°	470.3	468.6	483.2	502.6	530.1	538.1	547.8	586.6	618.9	651.3	686.8
72.5°	392.7	394.3	410.5	433.1	463.8	471.9	484.8	525.2	560.8	594.7	631.9
75°	321.6	321.6	339.4	365.2	399.2	410.5	425.0	467.0	504.2	539.8	578.5
77.5°	248.9	248.9	269.9	302.2	339.4	350.7	368.5	412.1	452.5	488.0	526.8
80°	182.6	185.8	210.1	242.4	281.2	295.7	316.7	360.4	404.0	439.6	478.3
82.5°	124.4	129.3	155.1	192.3	231.1	245.6	266.6	313.5	357.1	394.3	434.7
85°	74.3	82.4	109.9	147.1	187.5	203.6	226.2	269.9	313.5	350.7	391.1
87.5°	33.9	45.2	74.3	111.5	150.3	168.1	187.5	229.5	273.1	310.3	352.3
90°	3.2	19.4	48.5	80.8	118.0	134.1	153.5	193.9	235.9	269.9	310.3
92.5°	0.0	8.1	29.1	58.2	90.5	106.7	124.4	163.2	200.4	234.3	273.1
95°	0.0	3.2	16.2	40.4	67.9	82.4	98.6	134.1	171.3	203.6	239.2
97.5°	0.0	1.6	9.7	27.5	50.1	63.0	77.6	109.9	143.8	174.5	206.9
100°	0.0	1.6	4.8	17.8	37.2	46.9	61.4	88.9	119.6	147.1	179.4
102.5°	0.0	0.0	3.2	11.3	27.5	35.6	46.9	71.1	98.6	124.4	153.5
105°	0.0	0.0	1.6	8.1	19.4	25.9	35.6	56.6	80.8	103.4	130.9
107.5°	0.0	0.0	1.6	4.8	12.9	19.4	27.5	43.6	64.6	85.6	109.9
110°	1.6	1.6	1.6	3.2	9.7	14.5	19.4	33.9	53.3	71.1	92.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.6	1.6	1.6	1.6	6.5	9.7	14.5	25.9	42.0	56.6	76.0
115°	1.6	1.6	1.6	1.6	4.8	6.5	9.7	19.4	32.3	45.2	61.4
117.5°	1.6	1.6	1.6	1.6	3.2	4.8	6.5	14.5	24.2	35.6	50.1
120°	1.6	1.6	1.6	1.6	1.6	3.2	4.8	9.7	19.4	27.5	40.4
122.5°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	8.1	14.5	21.0	30.7
125°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	9.7	16.2	24.2
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.5	11.3	17.8
130°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	8.1	12.9
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.5	9.7
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.5
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
145°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
155°	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6
157.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6
160°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6
165°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6
170°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
172.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6
175°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
177.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3	2065.3
2.5°	2055.6	2060.4	2065.3	2052.4	2060.4	2075.0	2079.8	2060.4	2066.9	2054.0
5°	2049.1	2052.4	2058.8	2042.7	2054.0	2066.9	2075.0	2058.8	2068.5	2058.8
7.5°	2036.2	2039.4	2047.5	2031.3	2045.9	2057.2	2066.9	2050.7	2060.4	2050.7
10°	2016.8	2021.6	2033.0	2013.6	2031.3	2041.0	2050.7	2033.0	2042.7	2033.0
12.5°	1992.6	2000.6	2010.3	1992.6	2010.3	2018.4	2031.3	2013.6	2024.9	2016.8
15°	1963.5	1971.5	1984.5	1966.7	1989.3	1995.8	2008.7	1990.9	2002.3	1994.2
17.5°	1929.5	1939.2	1955.4	1934.4	1960.2	1965.1	1978.0	1961.9	1973.2	1965.1
20°	1890.7	1900.4	1916.6	1897.2	1923.1	1926.3	1940.8	1926.3	1937.6	1932.8
22.5°	1845.5	1856.8	1873.0	1855.2	1882.7	1882.7	1900.4	1885.9	1898.8	1894.0
25°	1798.6	1811.6	1829.3	1809.9	1839.0	1839.0	1858.4	1843.9	1856.8	1853.6
27.5°	1748.5	1763.1	1784.1	1764.7	1793.8	1792.2	1811.6	1798.6	1813.2	1808.3
30°	1695.2	1711.4	1732.4	1716.2	1746.9	1743.7	1763.1	1751.8	1764.7	1763.1
32.5°	1637.0	1654.8	1680.7	1662.9	1693.6	1690.4	1714.6	1701.7	1717.8	1714.6
35°	1578.9	1598.2	1624.1	1607.9	1641.9	1637.0	1661.3	1650.0	1666.1	1664.5
37.5°	1519.1	1540.1	1565.9	1553.0	1585.3	1580.5	1606.3	1596.6	1614.4	1609.6
40°	1457.7	1478.7	1506.1	1494.8	1528.8	1522.3	1549.8	1541.7	1559.5	1556.2
42.5°	1396.2	1418.9	1446.3	1439.9	1472.2	1465.7	1493.2	1486.7	1504.5	1501.3
45°	1333.2	1357.5	1386.5	1380.1	1414.0	1407.6	1435.0	1430.2	1448.0	1446.3
47.5°	1270.2	1296.1	1325.1	1321.9	1354.2	1347.8	1376.9	1372.0	1389.8	1389.8
50°	1205.6	1234.6	1263.7	1262.1	1294.4	1288.0	1313.8	1313.8	1333.2	1331.6
52.5°	1140.9	1171.6	1202.3	1202.3	1234.6	1228.2	1257.3	1255.7	1275.0	1275.0
55°	1079.5	1107.0	1137.7	1144.1	1174.8	1165.2	1195.9	1199.1	1215.3	1216.9
57.5°	1018.1	1047.2	1077.9	1086.0	1115.1	1108.6	1137.7	1140.9	1157.1	1158.7
60°	956.7	984.2	1014.9	1026.2	1055.3	1048.8	1077.9	1081.1	1098.9	1100.5
62.5°	895.3	922.7	956.7	968.0	995.5	990.6	1021.3	1024.6	1040.7	1044.0
65°	835.5	864.6	896.9	913.1	938.9	932.4	963.2	966.4	984.2	985.8
67.5°	777.3	806.4	838.7	856.5	880.7	877.5	906.6	913.1	927.6	930.8
70°	720.7	749.8	783.8	801.5	825.8	824.2	851.6	856.5	872.7	874.3
72.5°	665.8	694.9	728.8	749.8	770.8	769.2	796.7	803.2	819.3	820.9
75°	612.5	643.2	675.5	698.1	719.1	717.5	745.0	751.5	766.0	767.6
77.5°	562.4	593.1	627.0	649.6	667.4	669.0	693.3	699.7	714.3	719.1
80°	515.5	544.6	576.9	601.2	617.3	620.6	643.2	651.3	662.6	669.0
82.5°	470.3	499.4	531.7	554.3	570.5	573.7	594.7	604.4	615.7	620.6
85°	426.6	455.7	486.4	510.7	525.2	526.8	547.8	557.5	567.2	575.3
87.5°	384.6	413.7	442.8	468.6	481.6	484.8	504.2	513.9	522.0	530.1
90°	342.6	371.7	400.8	425.0	437.9	439.6	460.6	470.3	478.3	484.8
92.5°	303.8	332.9	362.0	386.2	397.5	400.8	418.6	429.9	436.3	442.8
95°	266.6	295.7	321.6	347.4	358.8	363.6	379.8	389.5	397.5	400.8
97.5°	234.3	260.2	284.4	310.3	320.0	324.8	341.0	352.3	358.8	362.0
100°	203.6	227.9	250.5	274.7	284.4	289.3	303.8	313.5	320.0	324.8
102.5°	176.1	198.8	219.8	242.4	252.1	255.3	268.3	278.0	284.4	289.3
105°	151.9	172.9	192.3	213.3	221.4	226.2	237.6	245.6	252.1	255.3
107.5°	129.3	150.3	166.5	185.8	193.9	197.2	208.5	218.2	223.0	224.6
110°	109.9	127.7	143.8	160.0	169.7	172.9	182.6	190.7	195.5	197.2



TEST NUMBER: P895265
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	92.1	108.3	122.8	137.4	145.4	148.7	158.4	166.5	169.7	171.3
115°	76.0	92.1	103.4	118.0	124.4	127.7	135.7	143.8	145.4	148.7
117.5°	61.4	76.0	87.3	98.6	105.0	108.3	114.7	121.2	124.4	126.0
120°	50.1	61.4	71.1	82.4	87.3	90.5	97.0	103.4	105.0	106.7
122.5°	40.4	50.1	58.2	67.9	72.7	76.0	80.8	85.6	87.3	88.9
125°	30.7	40.4	46.9	54.9	59.8	61.4	66.3	71.1	72.7	74.3
127.5°	24.2	30.7	37.2	43.6	46.9	48.5	53.3	56.6	58.2	59.8
130°	17.8	22.6	27.5	33.9	37.2	38.8	42.0	45.2	46.9	46.9
132.5°	12.9	17.8	21.0	25.9	27.5	29.1	32.3	35.6	35.6	37.2
135°	8.1	11.3	14.5	17.8	21.0	21.0	24.2	25.9	27.5	27.5
137.5°	6.5	8.1	9.7	12.9	14.5	16.2	16.2	19.4	19.4	19.4
140°	4.8	6.5	6.5	8.1	9.7	11.3	11.3	12.9	12.9	12.9
142.5°	3.2	4.8	4.8	6.5	6.5	8.1	8.1	8.1	9.7	9.7
145°	3.2	3.2	3.2	4.8	4.8	4.8	4.8	6.5	6.5	6.5
147.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8
150°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2	3.2
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
170°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
180°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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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	17.21	18.74	17.68	19.20	19.69	18.78	20.31	19.25	20.77	21.26
	3H	18.88	20.29	19.37	20.75	21.28	21.40	22.81	21.89	23.27	23.80
	4H	19.48	20.81	19.99	21.30	21.84	22.72	24.05	23.22	24.53	25.07
	6H	19.88	21.12	20.40	21.62	22.17	24.12	25.36	24.64	25.86	26.42
	8H	20.00	21.19	20.53	21.71	22.27	24.87	26.06	25.40	26.58	27.14
	12H	20.07	21.21	20.61	21.73	22.32	25.72	26.86	26.26	27.38	27.97
4H	2H	18.14	19.47	18.64	19.95	20.49	19.33	20.66	19.83	21.15	21.69
	3H	20.11	21.25	20.63	21.78	22.34	22.25	23.38	22.76	23.91	24.47
	4H	20.89	21.93	21.43	22.47	23.06	23.77	24.81	24.31	25.35	25.95
	6H	21.47	22.39	22.03	22.96	23.56	25.41	26.33	25.97	26.90	27.51
	8H	21.65	22.52	22.21	23.08	23.71	26.30	27.16	26.86	27.73	28.35
	12H	21.78	22.56	22.36	23.16	23.78	27.30	28.09	27.88	28.68	29.31
8H	4H	21.77	22.64	22.33	23.20	23.82	24.13	25.00	24.69	25.56	26.18
	6H	22.65	23.39	23.24	23.99	24.62	26.03	26.77	26.63	27.38	28.00
	8H	23.00	23.66	23.60	24.28	24.92	27.12	27.78	27.72	28.40	29.04
	12H	23.27	23.86	23.88	24.47	25.18	28.38	28.98	28.99	29.58	30.29
12H	4H	22.05	22.83	22.63	23.43	24.05	24.17	24.96	24.76	25.55	26.18
	6H	23.10	23.77	23.71	24.38	25.02	26.14	26.81	26.75	27.43	28.07
	8H	23.62	24.21	24.23	24.82	25.52	27.34	27.93	27.95	28.54	29.25