

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: P895508

Luminaire Tested: 8TMB-SC3-RND-UNV-CC93-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895508
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-SC3-RND-UNV-CC93-MID-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

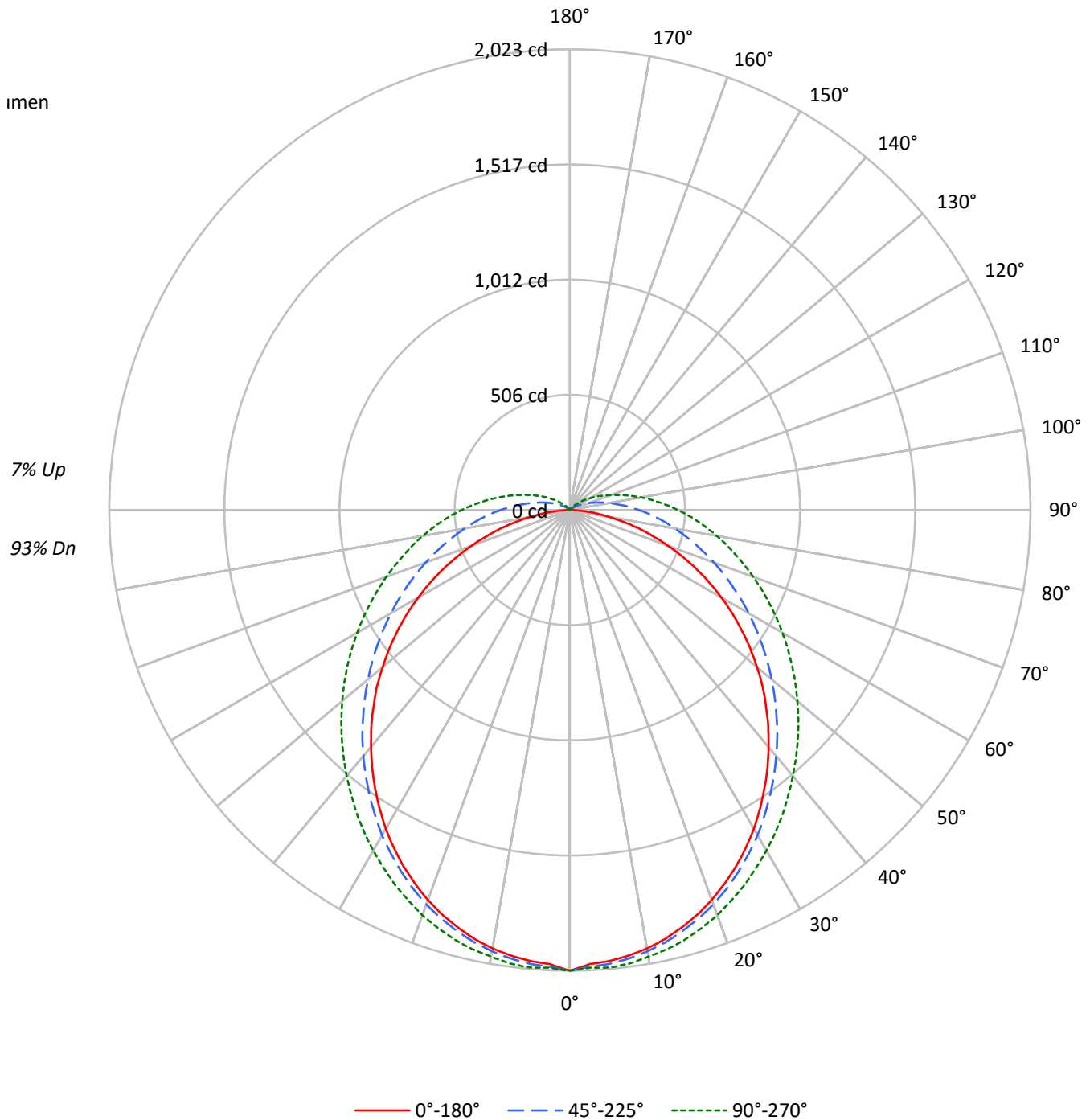
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 100.1 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): 66.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
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°	7178	7178	7178
5°	7081	7126	7183
10°	7043	7089	7174
15°	6972	7030	7175
20°	6880	6957	7148
25°	6761	6860	7108
30°	6622	6758	7076
35°	6459	6637	7062
40°	6291	6533	7061
45°	6116	6442	7109
50°	5924	6387	7200
55°	5708	6375	7373
60°	5459	6436	7650
65°	5157	6605	8107
70°	4778	6979	8884
75°	4318	7769	10308
80°	3655	9573	13390
85°	2964	15596	22940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 42233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	2.9
10°-20°	545.1	8.1
20°-30°	816.2	12.2
30°-40°	973.2	14.5
40°-50°	1009.4	15.1
50°-60°	936.4	14.0
60°-70°	781.2	11.7
70°-80°	582.4	8.7
80°-90°	387.8	5.8
90°-100°	236.1	3.5
100°-110°	131.8	2.0
110°-120°	65.9	1.0
120°-130°	27.5	0.4
130°-140°	8.7	0.1
140°-150°	2.1	0.0
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1552.6	23.2
0°-40°	2525.9	37.7
0°-60°	4471.6	66.8
0°-90°	6223.1	92.9
90°-120°	433.8	6.5
90°-150°	472.1	7.0
90°-180°	474.0	7.1
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2023	2023	2023	2023	2023	
5°	1988	2034	2001	2012	2017	189
15°	1898	1947	1914	1949	1953	535
25°	1727	1773	1752	1801	1816	795
35°	1491	1531	1532	1608	1630	933
45°	1219	1250	1284	1385	1417	941
55°	923	954	1030	1151	1192	825
65°	614	663	787	920	966	608
75°	315	402	567	704	752	333
85°	73	199	383	514	564	82
90°	3	131	304	429	475	5
95°	0	81	234	351	393	0
105°	0	25	128	217	250	0
115°	2	6	60	122	146	2
125°	2	2	24	59	73	1
135°	2	2	6	21	27	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°	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0
2.5°	1996.1	1999.2	2027.7	2026.2	2021.4	2040.4	2045.1	2029.3	2004.0	2029.3	2007.2
5°	1988.2	1991.3	2019.8	2018.2	2013.5	2034.1	2035.7	2021.4	1996.1	2021.4	2000.8
7.5°	1973.9	1977.1	2005.6	2004.0	2000.8	2021.4	2019.8	2008.7	1981.8	2008.7	1986.6
10°	1954.9	1956.5	1986.6	1983.4	1981.8	2002.4	1997.7	1988.2	1961.3	1988.2	1967.6
12.5°	1929.6	1931.2	1961.3	1958.1	1958.1	1977.1	1970.8	1962.8	1935.9	1961.3	1943.8
15°	1897.9	1899.5	1928.0	1926.4	1926.4	1947.0	1937.5	1931.2	1905.9	1932.8	1913.8
17.5°	1863.1	1861.5	1891.6	1888.4	1891.6	1910.6	1897.9	1894.8	1871.0	1896.4	1880.5
20°	1822.0	1822.0	1848.9	1847.3	1852.0	1869.4	1853.6	1855.2	1831.5	1858.4	1842.5
22.5°	1776.1	1774.5	1801.4	1801.4	1806.1	1823.5	1806.1	1810.9	1787.1	1812.5	1799.8
25°	1727.0	1723.8	1750.7	1750.7	1758.6	1772.9	1753.9	1760.2	1738.1	1763.4	1752.3
27.5°	1673.2	1668.4	1695.3	1696.9	1703.2	1717.5	1696.9	1706.4	1685.8	1709.6	1701.7
30°	1616.2	1611.4	1638.3	1639.9	1647.8	1658.9	1638.3	1651.0	1632.0	1655.7	1649.4
32.5°	1554.4	1551.3	1576.6	1579.8	1587.7	1595.6	1576.6	1589.3	1573.4	1597.2	1590.8
35°	1491.1	1488.0	1511.7	1516.4	1524.4	1530.7	1510.1	1527.5	1513.3	1535.4	1532.3
37.5°	1426.2	1421.5	1446.8	1450.0	1459.5	1462.6	1443.6	1464.2	1451.5	1473.7	1472.1
40°	1358.2	1353.4	1378.7	1381.9	1391.4	1391.4	1375.6	1397.7	1388.2	1408.8	1410.4
42.5°	1290.1	1285.3	1307.5	1313.8	1321.7	1321.7	1305.9	1329.7	1323.3	1343.9	1348.7
45°	1218.9	1214.1	1234.7	1241.0	1250.5	1250.5	1234.7	1261.6	1256.8	1277.4	1283.8
47.5°	1149.2	1142.9	1161.9	1168.2	1177.7	1176.1	1163.5	1190.4	1188.8	1209.4	1220.4
50°	1073.2	1068.5	1087.5	1093.8	1104.9	1101.7	1092.2	1120.7	1120.7	1141.3	1157.1
52.5°	998.8	994.1	1013.1	1019.4	1028.9	1028.9	1019.4	1049.5	1054.2	1074.8	1093.8
55°	922.8	916.5	935.5	941.8	952.9	954.5	946.6	976.7	986.2	1009.9	1030.5
57.5°	846.9	843.7	859.5	865.9	880.1	880.1	875.4	907.0	919.7	945.0	968.8
60°	769.3	766.1	780.4	788.3	804.1	807.3	804.1	837.4	854.8	880.1	907.0
62.5°	691.7	688.6	702.8	713.9	731.3	734.5	736.1	770.9	789.9	816.8	846.9
65°	614.2	611.0	625.3	637.9	658.5	663.2	668.0	704.4	726.6	755.1	786.7
67.5°	536.6	535.0	549.3	565.1	587.3	593.6	601.5	639.5	664.8	694.9	729.7
70°	460.6	459.1	473.3	492.3	519.2	527.1	536.6	574.6	606.3	637.9	672.7
72.5°	384.7	386.2	402.1	424.2	454.3	462.2	474.9	514.5	549.3	582.5	618.9
75°	315.0	315.0	332.4	357.7	391.0	402.1	416.3	457.5	493.9	528.7	566.7
77.5°	243.8	243.8	264.3	296.0	332.4	343.5	360.9	403.6	443.2	478.0	516.0
80°	178.9	182.0	205.8	237.4	275.4	289.7	310.3	353.0	395.7	430.6	468.5
82.5°	121.9	126.6	152.0	188.4	226.4	240.6	261.2	307.1	349.8	386.2	425.8
85°	72.8	80.7	107.6	144.0	183.6	199.4	221.6	264.3	307.1	343.5	383.1
87.5°	33.2	44.3	72.8	109.2	147.2	164.6	183.6	224.8	267.5	303.9	345.1
90°	3.2	19.0	47.5	79.1	115.6	131.4	150.4	190.0	231.1	264.3	303.9
92.5°	0.0	7.9	28.5	57.0	88.6	104.5	121.9	159.9	196.3	229.5	267.5
95°	0.0	3.2	15.8	39.6	66.5	80.7	96.6	131.4	167.8	199.4	234.3
97.5°	0.0	1.6	9.5	26.9	49.1	61.7	76.0	107.6	140.9	171.0	202.6
100°	0.0	1.6	4.7	17.4	36.4	45.9	60.2	87.1	117.1	144.0	175.7
102.5°	0.0	0.0	3.2	11.1	26.9	34.8	45.9	69.6	96.6	121.9	150.4
105°	0.0	0.0	1.6	7.9	19.0	25.3	34.8	55.4	79.1	101.3	128.2
107.5°	0.0	0.0	1.6	4.7	12.7	19.0	26.9	42.7	63.3	83.9	107.6
110°	1.6	1.6	1.6	3.2	9.5	14.2	19.0	33.2	52.2	69.6	90.2



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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	6.3	9.5	14.2	25.3	41.2	55.4	74.4
115°	1.6	1.6	1.6	1.6	4.7	6.3	9.5	19.0	31.7	44.3	60.2
117.5°	1.6	1.6	1.6	1.6	3.2	4.7	6.3	14.2	23.7	34.8	49.1
120°	1.6	1.6	1.6	1.6	1.6	3.2	4.7	9.5	19.0	26.9	39.6
122.5°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	7.9	14.2	20.6	30.1
125°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	9.5	15.8	23.7
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	6.3	11.1	17.4
130°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	7.9	12.7
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	6.3	9.5
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	6.3
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.7
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°	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0	2023.0
2.5°	2013.5	2018.2	2023.0	2010.3	2018.2	2032.5	2037.2	2018.2	2024.6	2011.9
5°	2007.2	2010.3	2016.7	2000.8	2011.9	2024.6	2032.5	2016.7	2026.2	2016.7
7.5°	1994.5	1997.7	2005.6	1989.7	2004.0	2015.1	2024.6	2008.7	2018.2	2008.7
10°	1975.5	1980.2	1991.3	1972.3	1989.7	1999.2	2008.7	1991.3	2000.8	1991.3
12.5°	1951.8	1959.7	1969.2	1951.8	1969.2	1977.1	1989.7	1972.3	1983.4	1975.5
15°	1923.3	1931.2	1943.8	1926.4	1948.6	1954.9	1967.6	1950.2	1961.3	1953.3
17.5°	1890.0	1899.5	1915.3	1894.8	1920.1	1924.8	1937.5	1921.7	1932.8	1924.8
20°	1852.0	1861.5	1877.4	1858.4	1883.7	1886.9	1901.1	1886.9	1897.9	1893.2
22.5°	1807.7	1818.8	1834.6	1817.2	1844.1	1844.1	1861.5	1847.3	1859.9	1855.2
25°	1761.8	1774.5	1791.9	1772.9	1801.4	1801.4	1820.4	1806.1	1818.8	1815.6
27.5°	1712.7	1727.0	1747.6	1728.6	1757.1	1755.5	1774.5	1761.8	1776.1	1771.3
30°	1660.5	1676.3	1696.9	1681.1	1711.2	1708.0	1727.0	1715.9	1728.6	1727.0
32.5°	1603.5	1620.9	1646.3	1628.8	1658.9	1655.7	1679.5	1666.8	1682.7	1679.5
35°	1546.5	1565.5	1590.8	1575.0	1608.3	1603.5	1627.3	1616.2	1632.0	1630.4
37.5°	1488.0	1508.5	1533.9	1521.2	1552.9	1548.1	1573.4	1563.9	1581.4	1576.6
40°	1427.8	1448.4	1475.3	1464.2	1497.5	1491.1	1518.0	1510.1	1527.5	1524.4
42.5°	1367.7	1389.8	1416.7	1410.4	1442.1	1435.7	1462.6	1456.3	1473.7	1470.5
45°	1305.9	1329.7	1358.2	1351.8	1385.1	1378.7	1405.6	1400.9	1418.3	1416.7
47.5°	1244.2	1269.5	1298.0	1294.8	1326.5	1320.2	1348.7	1343.9	1361.3	1361.3
50°	1180.9	1209.4	1237.9	1236.3	1267.9	1261.6	1286.9	1286.9	1305.9	1304.3
52.5°	1117.6	1147.6	1177.7	1177.7	1209.4	1203.0	1231.5	1229.9	1248.9	1248.9
55°	1057.4	1084.3	1114.4	1120.7	1150.8	1141.3	1171.4	1174.5	1190.4	1191.9
57.5°	997.2	1025.7	1055.8	1063.7	1092.2	1085.9	1114.4	1117.6	1133.4	1135.0
60°	937.1	964.0	994.1	1005.2	1033.7	1027.3	1055.8	1059.0	1076.4	1078.0
62.5°	876.9	903.9	937.1	948.2	975.1	970.3	1000.4	1003.6	1019.4	1022.6
65°	818.4	846.9	878.5	894.4	919.7	913.4	943.4	946.6	964.0	965.6
67.5°	761.4	789.9	821.5	839.0	862.7	859.5	888.0	894.4	908.6	911.8
70°	706.0	734.5	767.7	785.1	808.9	807.3	834.2	839.0	854.8	856.4
72.5°	652.2	680.7	713.9	734.5	755.1	753.5	780.4	786.7	802.5	804.1
75°	599.9	630.0	661.7	683.8	704.4	702.8	729.7	736.1	750.3	751.9
77.5°	550.9	580.9	614.2	636.3	653.8	655.3	679.1	685.4	699.7	704.4
80°	505.0	533.4	565.1	588.9	604.7	607.8	630.0	637.9	649.0	655.3
82.5°	460.6	489.1	520.8	542.9	558.8	561.9	582.5	592.0	603.1	607.8
85°	417.9	446.4	476.5	500.2	514.5	516.0	536.6	546.1	555.6	563.5
87.5°	376.7	405.2	433.7	459.1	471.7	474.9	493.9	503.4	511.3	519.2
90°	335.6	364.1	392.6	416.3	429.0	430.6	451.1	460.6	468.5	474.9
92.5°	297.6	326.1	354.6	378.3	389.4	392.6	410.0	421.1	427.4	433.7
95°	261.2	289.7	315.0	340.3	351.4	356.2	372.0	381.5	389.4	392.6
97.5°	229.5	254.9	278.6	303.9	313.4	318.2	334.0	345.1	351.4	354.6
100°	199.4	223.2	245.4	269.1	278.6	283.3	297.6	307.1	313.4	318.2
102.5°	172.5	194.7	215.3	237.4	246.9	250.1	262.8	272.3	278.6	283.3
105°	148.8	169.4	188.4	208.9	216.9	221.6	232.7	240.6	246.9	250.1
107.5°	126.6	147.2	163.0	182.0	190.0	193.1	204.2	213.7	218.4	220.0
110°	107.6	125.1	140.9	156.7	166.2	169.4	178.9	186.8	191.5	193.1



TEST NUMBER: P895508
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	90.2	106.1	120.3	134.5	142.5	145.6	155.1	163.0	166.2	167.8
115°	74.4	90.2	101.3	115.6	121.9	125.1	133.0	140.9	142.5	145.6
117.5°	60.2	74.4	85.5	96.6	102.9	106.1	112.4	118.7	121.9	123.5
120°	49.1	60.2	69.6	80.7	85.5	88.6	95.0	101.3	102.9	104.5
122.5°	39.6	49.1	57.0	66.5	71.2	74.4	79.1	83.9	85.5	87.1
125°	30.1	39.6	45.9	53.8	58.6	60.2	64.9	69.6	71.2	72.8
127.5°	23.7	30.1	36.4	42.7	45.9	47.5	52.2	55.4	57.0	58.6
130°	17.4	22.2	26.9	33.2	36.4	38.0	41.2	44.3	45.9	45.9
132.5°	12.7	17.4	20.6	25.3	26.9	28.5	31.7	34.8	34.8	36.4
135°	7.9	11.1	14.2	17.4	20.6	20.6	23.7	25.3	26.9	26.9
137.5°	6.3	7.9	9.5	12.7	14.2	15.8	15.8	19.0	19.0	19.0
140°	4.7	6.3	6.3	7.9	9.5	11.1	11.1	12.7	12.7	12.7
142.5°	3.2	4.7	4.7	6.3	6.3	7.9	7.9	7.9	9.5	9.5
145°	3.2	3.2	3.2	4.7	4.7	4.7	4.7	6.3	6.3	6.3
147.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.7	4.7	4.7
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



TEST NUMBER: P895508
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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	17.14	18.67	17.61	19.13	19.62	18.71	20.24	19.18	20.70	21.19
	3H	18.81	20.21	19.30	20.68	21.21	21.33	22.74	21.82	23.20	23.73
	4H	19.41	20.74	19.91	21.23	21.77	22.64	23.97	23.15	24.46	25.00
	6H	19.81	21.05	20.33	21.55	22.10	24.05	25.29	24.57	25.79	26.34
	8H	19.92	21.11	20.45	21.63	22.20	24.80	25.99	25.33	26.51	27.07
	12H	20.00	21.14	20.54	21.66	22.25	25.65	26.79	26.18	27.30	27.90
4H	2H	18.06	19.39	18.57	19.88	20.42	19.26	20.59	19.76	21.07	21.61
	3H	20.04	21.18	20.56	21.71	22.27	22.17	23.31	22.69	23.84	24.40
	4H	20.82	21.86	21.35	22.40	22.99	23.70	24.74	24.24	25.28	25.87
	6H	21.40	22.32	21.95	22.88	23.49	25.34	26.26	25.90	26.83	27.44
	8H	21.58	22.45	22.14	23.01	23.63	26.22	27.09	26.78	27.65	28.28
	12H	21.70	22.49	22.29	23.08	23.71	27.23	28.01	27.81	28.61	29.23
8H	4H	21.70	22.56	22.26	23.13	23.75	24.06	24.93	24.62	25.49	26.11
	6H	22.58	23.31	23.17	23.92	24.55	25.96	26.70	26.56	27.30	27.93
	8H	22.93	23.59	23.53	24.21	24.85	27.04	27.71	27.65	28.33	28.97
	12H	23.20	23.79	23.81	24.40	25.10	28.31	28.90	28.92	29.51	30.21
12H	4H	21.97	22.76	22.56	23.35	23.98	24.10	24.89	24.68	25.48	26.11
	6H	23.03	23.69	23.63	24.31	24.95	26.07	26.74	26.68	27.35	27.99
	8H	23.55	24.14	24.15	24.75	25.45	27.27	27.86	27.87	28.47	29.17