

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: P894298

Luminaire Tested: 4MB-SC3-RND-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894298
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: 4MB-SC3-RND-UNV-CC83-HI-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT, HI lum setting
Light Source: -
Ballast/Driver: -

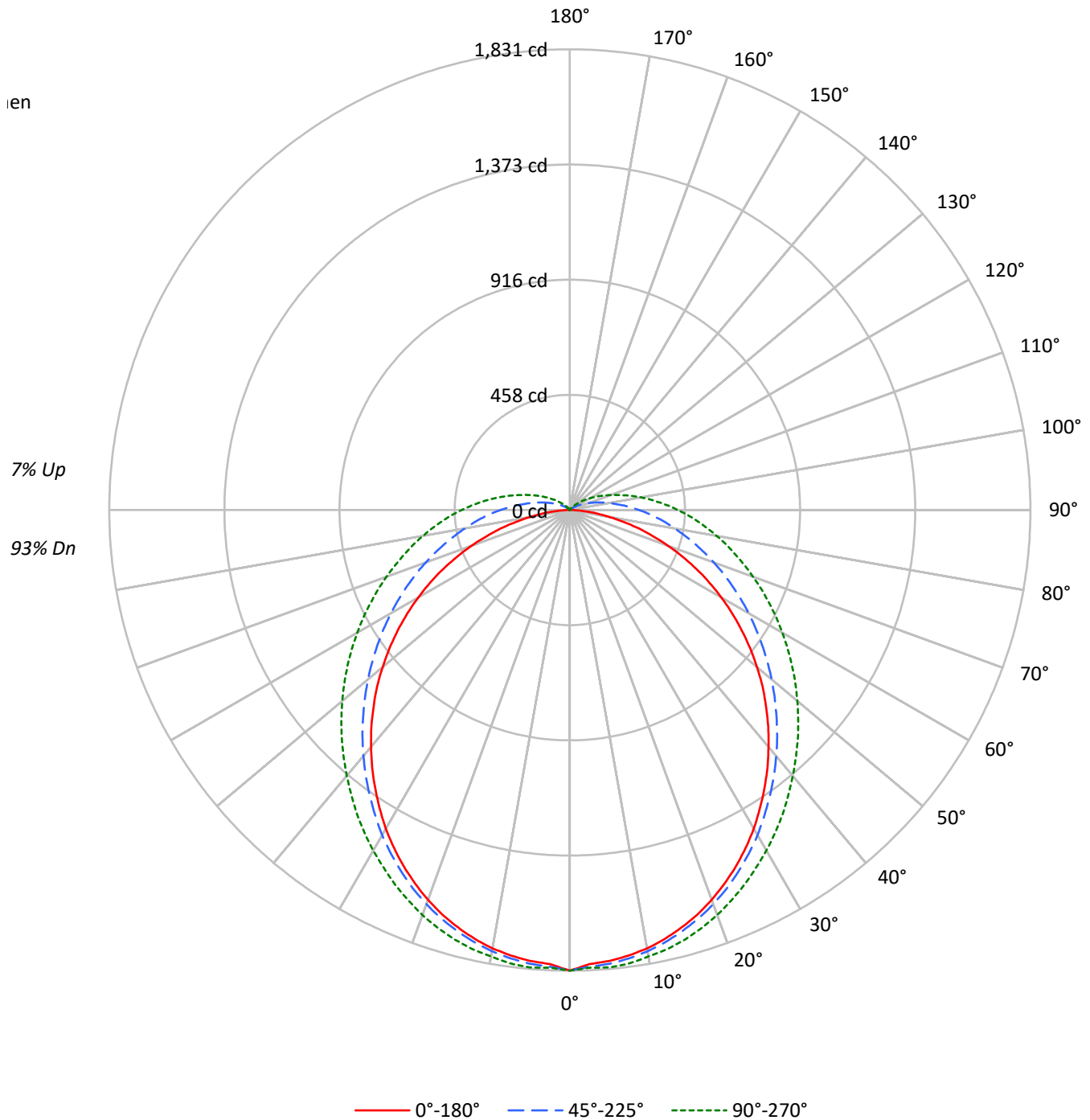
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6060.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-HI-4000K

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°	13025	13025	13025
5°	12849	12931	13033
10°	12781	12863	13018
15°	12650	12756	13019
20°	12483	12624	12971
25°	12268	12448	12898
30°	12015	12262	12839
35°	11720	12043	12814
40°	11415	11853	12812
45°	11098	11689	12900
50°	10749	11590	13065
55°	10359	11567	13380
60°	9905	11679	13880
65°	9357	11985	14709
70°	8671	12665	16120
75°	7835	14097	18704
80°	6634	17373	24297
85°	5380	28295	41626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 76632 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	2.9
10°-20°	493.2	8.1
20°-30°	738.6	12.2
30°-40°	880.6	14.5
40°-50°	913.3	15.1
50°-60°	847.4	14.0
60°-70°	706.9	11.7
70°-80°	527.0	8.7
80°-90°	350.9	5.8
90°-100°	213.6	3.5
100°-110°	119.3	2.0
110°-120°	59.6	1.0
120°-130°	24.9	0.4
130°-140°	7.8	0.1
140°-150°	1.9	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1405.0	23.2
0°-40°	2285.6	37.7
0°-60°	4046.3	66.8
0°-90°	5631.2	92.9
90°-120°	392.5	6.5
90°-150°	427.2	7.0
90°-180°	429.0	7.1
0°-180°	6060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1799	1841	1810	1820	1825	171
15°	1717	1762	1732	1763	1768	484
25°	1563	1604	1586	1630	1643	719
35°	1349	1385	1386	1455	1475	844
45°	1103	1132	1162	1253	1282	851
55°	835	864	932	1041	1079	747
65°	556	600	712	832	874	550
75°	285	364	513	637	680	301
85°	66	180	347	466	510	74
90°	3	119	275	388	430	5
95°	0	73	212	318	355	0
105°	0	23	116	196	226	0
115°	1	6	54	110	132	1
125°	1	1	22	53	66	1
135°	1	1	6	19	24	1
145°	1	1	1	4	6	1
155°	3	3	1	1	1	1
165°	3	3	1	1	1	1
175°	3	3	3	1	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°	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6
2.5°	1806.2	1809.1	1834.9	1833.4	1829.1	1846.3	1850.6	1836.3	1813.4	1836.3	1816.2
5°	1799.1	1801.9	1827.7	1826.3	1822.0	1840.6	1842.0	1829.1	1806.2	1829.1	1810.5
7.5°	1786.2	1789.0	1814.8	1813.4	1810.5	1829.1	1827.7	1817.7	1793.3	1817.7	1797.6
10°	1769.0	1770.4	1797.6	1794.8	1793.3	1811.9	1807.6	1799.1	1774.7	1799.1	1780.4
12.5°	1746.1	1747.5	1774.7	1771.8	1771.8	1789.0	1783.3	1776.1	1751.8	1774.7	1758.9
15°	1717.4	1718.8	1744.6	1743.2	1743.2	1761.8	1753.2	1747.5	1724.6	1748.9	1731.7
17.5°	1685.9	1684.5	1711.7	1708.8	1711.7	1728.9	1717.4	1714.5	1693.1	1716.0	1701.7
20°	1648.7	1648.7	1673.0	1671.6	1675.9	1691.6	1677.3	1678.7	1657.3	1681.6	1667.3
22.5°	1607.1	1605.7	1630.0	1630.0	1634.3	1650.1	1634.3	1638.6	1617.1	1640.1	1628.6
25°	1562.7	1559.8	1584.2	1584.2	1591.4	1604.3	1587.1	1592.8	1572.7	1595.7	1585.6
27.5°	1514.0	1509.7	1534.1	1535.5	1541.2	1554.1	1535.5	1544.1	1525.5	1547.0	1539.8
30°	1462.4	1458.2	1482.5	1483.9	1491.1	1501.1	1482.5	1494.0	1476.8	1498.3	1492.5
32.5°	1406.6	1403.7	1426.6	1429.5	1436.7	1443.8	1426.6	1438.1	1423.8	1445.3	1439.5
35°	1349.3	1346.4	1367.9	1372.2	1379.4	1385.1	1366.5	1382.2	1369.3	1389.4	1386.5
37.5°	1290.6	1286.3	1309.2	1312.0	1320.6	1323.5	1306.3	1324.9	1313.5	1333.5	1332.1
40°	1229.0	1224.7	1247.6	1250.5	1259.1	1259.1	1244.7	1264.8	1256.2	1274.8	1276.2
42.5°	1167.4	1163.1	1183.1	1188.9	1196.0	1196.0	1181.7	1203.2	1197.5	1216.1	1220.4
45°	1102.9	1098.6	1117.2	1123.0	1131.6	1131.6	1117.2	1141.6	1137.3	1155.9	1161.7
47.5°	1039.9	1034.2	1051.4	1057.1	1065.7	1064.3	1052.8	1077.1	1075.7	1094.3	1104.4
50°	971.1	966.8	984.0	989.8	999.8	996.9	988.3	1014.1	1014.1	1032.7	1047.1
52.5°	903.8	899.5	916.7	922.4	931.0	931.0	922.4	949.7	954.0	972.6	989.8
55°	835.1	829.3	846.5	852.3	862.3	863.7	856.6	883.8	892.4	913.9	932.5
57.5°	766.3	763.5	777.8	783.5	796.4	796.4	792.1	820.7	832.2	855.1	876.6
60°	696.1	693.3	706.2	713.3	727.6	730.5	727.6	757.7	773.5	796.4	820.7
62.5°	625.9	623.1	636.0	646.0	661.8	664.6	666.1	697.6	714.8	739.1	766.3
65°	555.8	552.9	565.8	577.2	595.9	600.2	604.5	637.4	657.5	683.2	711.9
67.5°	485.6	484.1	497.0	511.4	531.4	537.1	544.3	578.7	601.6	628.8	660.3
70°	416.8	415.4	428.3	445.5	469.8	477.0	485.6	519.9	548.6	577.2	608.8
72.5°	348.1	349.5	363.8	383.9	411.1	418.3	429.7	465.5	497.0	527.1	560.1
75°	285.0	285.0	300.8	323.7	353.8	363.8	376.7	414.0	446.9	478.4	512.8
77.5°	220.6	220.6	239.2	267.9	300.8	310.8	326.6	365.3	401.1	432.6	467.0
80°	161.9	164.7	186.2	214.9	249.2	262.1	280.7	319.4	358.1	389.6	424.0
82.5°	110.3	114.6	137.5	170.5	204.8	217.7	236.3	277.9	316.6	349.5	385.3
85°	65.9	73.1	97.4	130.3	166.2	180.5	200.5	239.2	277.9	310.8	346.6
87.5°	30.1	40.1	65.9	98.8	133.2	149.0	166.2	203.4	242.1	275.0	312.3
90°	2.9	17.2	43.0	71.6	104.6	118.9	136.1	171.9	209.1	239.2	275.0
92.5°	0.0	7.2	25.8	51.6	80.2	94.5	110.3	144.7	177.6	207.7	242.1
95°	0.0	2.9	14.3	35.8	60.2	73.1	87.4	118.9	151.8	180.5	212.0
97.5°	0.0	1.4	8.6	24.4	44.4	55.9	68.8	97.4	127.5	154.7	183.3
100°	0.0	1.4	4.3	15.8	32.9	41.5	54.4	78.8	106.0	130.3	159.0
102.5°	0.0	0.0	2.9	10.0	24.4	31.5	41.5	63.0	87.4	110.3	136.1
105°	0.0	0.0	1.4	7.2	17.2	22.9	31.5	50.1	71.6	91.7	116.0
107.5°	0.0	0.0	1.4	4.3	11.5	17.2	24.4	38.7	57.3	75.9	97.4
110°	1.4	1.4	1.4	2.9	8.6	12.9	17.2	30.1	47.3	63.0	81.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.4	1.4	1.4	1.4	5.7	8.6	12.9	22.9	37.2	50.1	67.3
115°	1.4	1.4	1.4	1.4	4.3	5.7	8.6	17.2	28.6	40.1	54.4
117.5°	1.4	1.4	1.4	1.4	2.9	4.3	5.7	12.9	21.5	31.5	44.4
120°	1.4	1.4	1.4	1.4	1.4	2.9	4.3	8.6	17.2	24.4	35.8
122.5°	1.4	1.4	1.4	1.4	1.4	2.9	2.9	7.2	12.9	18.6	27.2
125°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	8.6	14.3	21.5
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7	10.0	15.8
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	7.2	11.5
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7	8.6
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
145°	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
155°	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4
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	1.4
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°	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6	1830.6
2.5°	1822.0	1826.3	1830.6	1819.1	1826.3	1839.2	1843.5	1826.3	1832.0	1820.5
5°	1816.2	1819.1	1824.8	1810.5	1820.5	1832.0	1839.2	1824.8	1833.4	1824.8
7.5°	1804.8	1807.6	1814.8	1800.5	1813.4	1823.4	1832.0	1817.7	1826.3	1817.7
10°	1787.6	1791.9	1801.9	1784.7	1800.5	1809.1	1817.7	1801.9	1810.5	1801.9
12.5°	1766.1	1773.3	1781.9	1766.1	1781.9	1789.0	1800.5	1784.7	1794.8	1787.6
15°	1740.3	1747.5	1758.9	1743.2	1763.2	1769.0	1780.4	1764.7	1774.7	1767.5
17.5°	1710.2	1718.8	1733.2	1714.5	1737.5	1741.8	1753.2	1738.9	1748.9	1741.8
20°	1675.9	1684.5	1698.8	1681.6	1704.5	1707.4	1720.3	1707.4	1717.4	1713.1
22.5°	1635.8	1645.8	1660.1	1644.4	1668.7	1668.7	1684.5	1671.6	1683.0	1678.7
25°	1594.2	1605.7	1621.4	1604.3	1630.0	1630.0	1647.2	1634.3	1645.8	1642.9
27.5°	1549.8	1562.7	1581.3	1564.1	1589.9	1588.5	1605.7	1594.2	1607.1	1602.8
30°	1502.6	1516.9	1535.5	1521.2	1548.4	1545.5	1562.7	1552.7	1564.1	1562.7
32.5°	1451.0	1466.7	1489.7	1473.9	1501.1	1498.3	1519.7	1508.3	1522.6	1519.7
35°	1399.4	1416.6	1439.5	1425.2	1455.3	1451.0	1472.5	1462.4	1476.8	1475.3
37.5°	1346.4	1365.0	1388.0	1376.5	1405.2	1400.9	1423.8	1415.2	1430.9	1426.6
40°	1292.0	1310.6	1335.0	1324.9	1355.0	1349.3	1373.6	1366.5	1382.2	1379.4
42.5°	1237.6	1257.6	1282.0	1276.2	1304.9	1299.2	1323.5	1317.8	1333.5	1330.7
45°	1181.7	1203.2	1229.0	1223.2	1253.3	1247.6	1271.9	1267.6	1283.4	1282.0
47.5°	1125.8	1148.8	1174.5	1171.7	1200.3	1194.6	1220.4	1216.1	1231.8	1231.8
50°	1068.5	1094.3	1120.1	1118.7	1147.3	1141.6	1164.5	1164.5	1181.7	1180.3
52.5°	1011.3	1038.5	1065.7	1065.7	1094.3	1088.6	1114.4	1113.0	1130.1	1130.1
55°	956.8	981.2	1008.4	1014.1	1041.3	1032.7	1060.0	1062.8	1077.1	1078.6
57.5°	902.4	928.2	955.4	962.6	988.3	982.6	1008.4	1011.3	1025.6	1027.0
60°	848.0	872.3	899.5	909.6	935.3	929.6	955.4	958.3	974.0	975.4
62.5°	793.5	817.9	848.0	858.0	882.3	878.0	905.3	908.1	922.4	925.3
65°	740.5	766.3	795.0	809.3	832.2	826.5	853.7	856.6	872.3	873.7
67.5°	689.0	714.8	743.4	759.2	780.6	777.8	803.6	809.3	822.2	825.0
70°	638.8	664.6	694.7	710.5	731.9	730.5	754.9	759.2	773.5	774.9
72.5°	590.1	615.9	646.0	664.6	683.2	681.8	706.2	711.9	726.2	727.6
75°	542.9	570.1	598.7	618.8	637.4	636.0	660.3	666.1	678.9	680.4
77.5°	498.5	525.7	555.8	575.8	591.6	593.0	614.5	620.2	633.1	637.4
80°	456.9	482.7	511.4	532.8	547.2	550.0	570.1	577.2	587.3	593.0
82.5°	416.8	442.6	471.2	491.3	505.6	508.5	527.1	535.7	545.7	550.0
85°	378.1	403.9	431.1	452.6	465.5	467.0	485.6	494.2	502.8	509.9
87.5°	340.9	366.7	392.5	415.4	426.8	429.7	446.9	455.5	462.7	469.8
90°	303.7	329.4	355.2	376.7	388.2	389.6	408.2	416.8	424.0	429.7
92.5°	269.3	295.1	320.9	342.3	352.4	355.2	371.0	381.0	386.7	392.5
95°	236.3	262.1	285.0	308.0	318.0	322.3	336.6	345.2	352.4	355.2
97.5°	207.7	230.6	252.1	275.0	283.6	287.9	302.2	312.3	318.0	320.9
100°	180.5	202.0	222.0	243.5	252.1	256.4	269.3	277.9	283.6	287.9
102.5°	156.1	176.2	194.8	214.9	223.4	226.3	237.8	246.4	252.1	256.4
105°	134.6	153.3	170.5	189.1	196.2	200.5	210.6	217.7	223.4	226.3
107.5°	114.6	133.2	147.5	164.7	171.9	174.7	184.8	193.4	197.7	199.1
110°	97.4	113.2	127.5	141.8	150.4	153.3	161.9	169.0	173.3	174.7



TEST NUMBER: P894298
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	81.6	96.0	108.9	121.8	128.9	131.8	140.4	147.5	150.4	151.8
115°	67.3	81.6	91.7	104.6	110.3	113.2	120.3	127.5	128.9	131.8
117.5°	54.4	67.3	77.3	87.4	93.1	96.0	101.7	107.4	110.3	111.7
120°	44.4	54.4	63.0	73.1	77.3	80.2	85.9	91.7	93.1	94.5
122.5°	35.8	44.4	51.6	60.2	64.5	67.3	71.6	75.9	77.3	78.8
125°	27.2	35.8	41.5	48.7	53.0	54.4	58.7	63.0	64.5	65.9
127.5°	21.5	27.2	32.9	38.7	41.5	43.0	47.3	50.1	51.6	53.0
130°	15.8	20.1	24.4	30.1	32.9	34.4	37.2	40.1	41.5	41.5
132.5°	11.5	15.8	18.6	22.9	24.4	25.8	28.6	31.5	31.5	32.9
135°	7.2	10.0	12.9	15.8	18.6	18.6	21.5	22.9	24.4	24.4
137.5°	5.7	7.2	8.6	11.5	12.9	14.3	14.3	17.2	17.2	17.2
140°	4.3	5.7	5.7	7.2	8.6	10.0	10.0	11.5	11.5	11.5
142.5°	2.9	4.3	4.3	5.7	5.7	7.2	7.2	7.2	8.6	8.6
145°	2.9	2.9	2.9	4.3	4.3	4.3	4.3	5.7	5.7	5.7
147.5°	1.4	1.4	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3
150°	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9
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	0.0
177.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



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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	19.21	20.74	19.68	21.20	21.69	20.78	22.31	21.25	22.77	23.26
	3H	20.88	22.29	21.37	22.75	23.28	23.40	24.81	23.89	25.27	25.80
	4H	21.48	22.81	21.98	23.30	23.84	24.71	26.04	25.22	26.53	27.07
	6H	21.88	23.12	22.40	23.62	24.17	26.12	27.36	26.64	27.86	28.41
	8H	21.99	23.18	22.52	23.71	24.27	26.87	28.06	27.40	28.58	29.14
	12H	22.07	23.21	22.61	23.73	24.32	27.72	28.86	28.25	29.37	29.97
4H	2H	20.13	21.46	20.64	21.95	22.49	21.33	22.66	21.83	23.14	23.68
	3H	22.11	23.25	22.63	23.78	24.34	24.24	25.38	24.76	25.91	26.47
	4H	22.89	23.93	23.42	24.47	25.06	25.77	26.81	26.31	27.35	27.94
	6H	23.47	24.39	24.02	24.95	25.56	27.41	28.33	27.97	28.90	29.51
	8H	23.65	24.52	24.21	25.08	25.70	28.29	29.16	28.86	29.72	30.35
	12H	23.77	24.56	24.36	25.16	25.78	29.30	30.08	29.88	30.68	31.30
8H	4H	23.77	24.63	24.33	25.20	25.82	26.13	27.00	26.69	27.56	28.18
	6H	24.65	25.39	25.24	25.99	26.62	28.03	28.77	28.63	29.37	30.00
	8H	25.00	25.66	25.60	26.28	26.92	29.11	29.78	29.72	30.40	31.04
	12H	25.27	25.86	25.88	26.47	27.17	30.38	30.97	30.99	31.58	32.29
12H	4H	24.04	24.83	24.63	25.42	26.05	26.17	26.96	26.76	27.55	28.18
	6H	25.10	25.76	25.70	26.38	27.02	28.14	28.81	28.75	29.42	30.06
	8H	25.62	26.21	26.22	26.82	27.52	29.34	29.93	29.95	30.54	31.24