

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: P895106

Luminaire Tested: 8TMB-6SL-FLT-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895106
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-L935
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

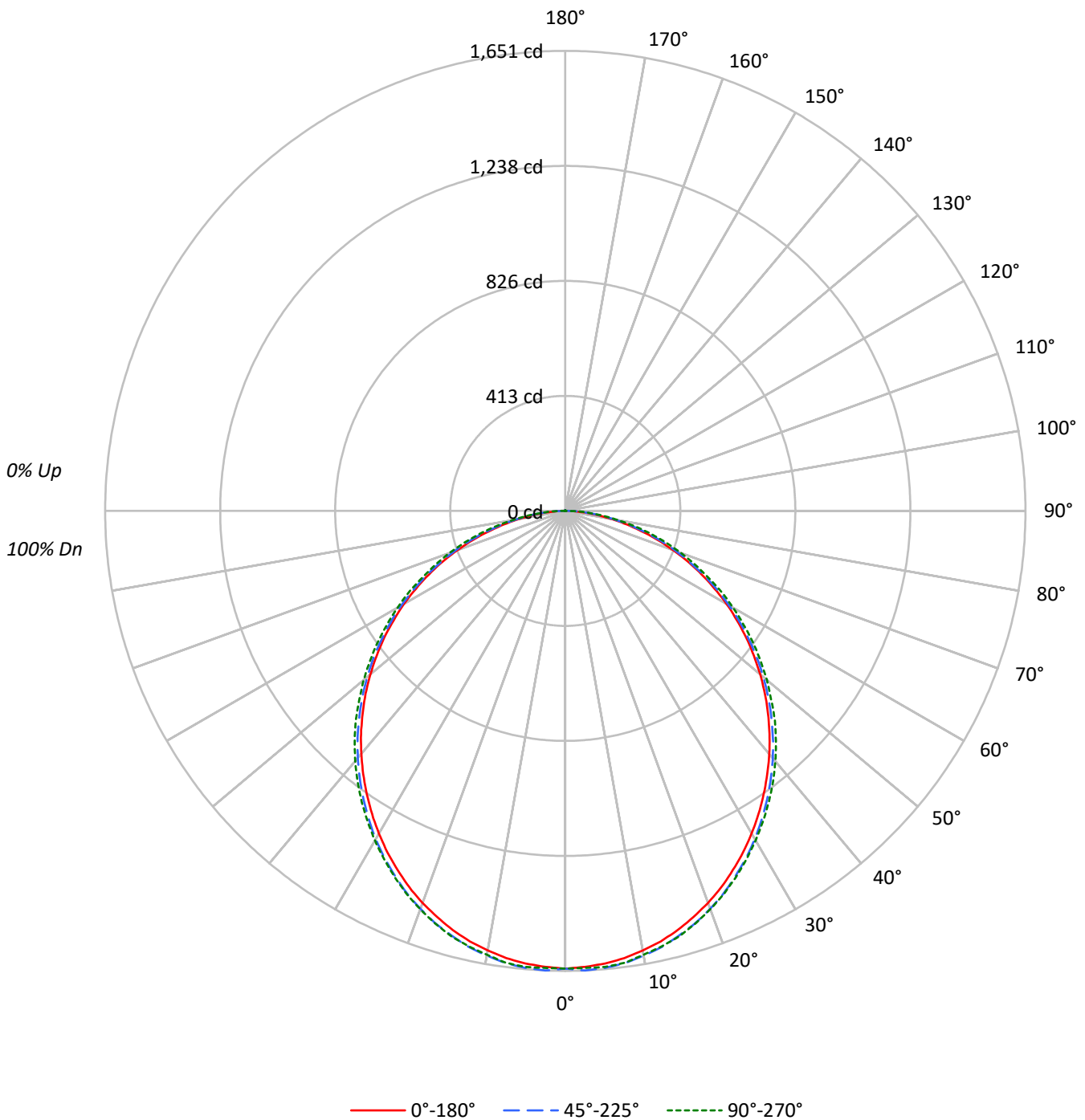
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4560.0 lumens
Efficiency: N/A
Efficacy: 108.1 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°	5829	5829	5829
5°	5808	5864	5851
10°	5771	5840	5827
15°	5720	5795	5805
20°	5653	5739	5744
25°	5569	5659	5673
30°	5479	5572	5597
35°	5375	5469	5516
40°	5275	5364	5431
45°	5159	5244	5334
50°	5038	5118	5211
55°	4902	4977	5081
60°	4745	4821	4933
65°	4533	4624	4745
70°	4267	4391	4591
75°	3923	4088	4353
80°	3465	3735	3931
85°	2988	3428	3672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	3.4
10°-20°	442.7	9.7
20°-30°	663.5	14.5
30°-40°	789.5	17.3
40°-50°	810.1	17.8
50°-60°	725.7	15.9
60°-70°	551.4	12.1
70°-80°	320.5	7.0
80°-90°	96.2	2.1
90°-100°	2.3	0.1
100°-110°	0.4	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.5	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1261.6	27.7
0°-40°	2051.0	45.0
0°-60°	3586.8	78.7
0°-90°	4554.8	99.9
90°-120°	2.7	0.1
90°-150°	4.1	0.1
90°-180°	5.0	0.1
0°-180°	4560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1643	1643	1643	1643	1643	
5°	1631	1658	1646	1638	1643	155
15°	1557	1587	1578	1575	1580	439
25°	1423	1455	1446	1443	1449	656
35°	1241	1271	1263	1266	1274	777
45°	1028	1053	1045	1053	1063	793
55°	792	812	804	814	821	708
65°	540	553	551	560	565	534
75°	286	297	298	309	318	304
85°	73	79	84	90	90	80
90°	1	5	5	8	7	5
95°	0	1	1	2	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	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	2	2	2	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°	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7
2.5°	1637.9	1635.5	1637.9	1636.7	1648.7	1663.1	1660.7	1649.9	1637.9	1641.5	1651.1
5°	1630.7	1629.5	1633.1	1630.7	1642.7	1658.3	1653.5	1643.9	1633.1	1636.7	1646.3
7.5°	1618.6	1618.6	1623.4	1621.0	1631.9	1647.5	1642.7	1634.3	1623.4	1627.1	1636.7
10°	1601.8	1603.0	1609.0	1605.4	1615.0	1631.9	1627.1	1618.6	1609.0	1611.4	1621.0
12.5°	1582.6	1582.6	1589.8	1586.2	1595.8	1611.4	1605.4	1599.4	1589.8	1592.2	1603.0
15°	1557.3	1558.5	1566.9	1563.3	1571.7	1587.4	1581.4	1576.5	1568.1	1569.3	1577.7
17.5°	1528.4	1532.1	1540.5	1536.9	1545.3	1560.9	1553.7	1548.9	1541.7	1542.9	1551.3
20°	1497.2	1500.8	1509.2	1506.8	1512.8	1528.4	1521.2	1518.8	1511.6	1512.8	1520.0
22.5°	1462.3	1465.9	1475.5	1473.1	1479.1	1494.8	1486.4	1485.2	1477.9	1479.1	1485.2
25°	1422.6	1427.4	1438.3	1435.8	1440.7	1455.1	1447.9	1445.5	1440.7	1440.7	1445.5
27.5°	1381.7	1386.5	1398.6	1395.0	1398.6	1414.2	1405.8	1404.6	1399.8	1399.8	1404.6
30°	1337.2	1342.0	1355.3	1351.7	1355.3	1368.5	1360.1	1361.3	1356.5	1356.5	1360.1
32.5°	1290.3	1293.9	1308.4	1306.0	1308.4	1321.6	1313.2	1314.4	1309.6	1310.8	1312.0
35°	1241.0	1244.6	1260.3	1257.9	1259.1	1271.1	1265.1	1265.1	1261.5	1260.3	1262.7
37.5°	1190.5	1194.1	1213.4	1207.4	1207.4	1219.4	1214.6	1214.6	1211.0	1209.8	1211.0
40°	1138.8	1141.2	1161.7	1155.7	1154.5	1165.3	1161.7	1161.7	1159.3	1156.9	1158.1
42.5°	1084.7	1088.3	1108.8	1103.9	1099.1	1111.2	1107.6	1108.8	1105.1	1102.7	1102.7
45°	1028.2	1031.8	1052.2	1049.8	1042.6	1053.4	1049.8	1052.2	1047.4	1045.0	1045.0
47.5°	971.7	976.5	995.7	992.1	984.9	995.7	992.1	994.5	989.7	987.3	987.3
50°	912.7	917.5	938.0	932.0	924.8	935.6	933.2	934.4	930.8	928.4	927.2
52.5°	852.6	858.6	877.9	870.6	864.6	874.3	873.1	874.3	869.4	868.2	867.0
55°	792.5	798.5	816.5	808.1	803.3	811.7	809.3	811.7	806.9	805.7	804.5
57.5°	729.9	736.0	752.8	744.4	740.8	748.0	746.8	748.0	744.4	743.2	742.0
60°	668.6	673.4	689.1	680.6	677.0	684.3	681.8	685.5	680.6	680.6	679.4
62.5°	603.7	609.7	625.3	615.7	613.3	619.3	616.9	620.5	618.1	615.7	614.5
65°	539.9	543.6	558.0	549.6	546.0	553.2	552.0	554.4	550.8	552.0	550.8
67.5°	476.2	478.6	493.0	483.4	481.0	488.2	489.4	488.2	485.8	487.0	485.8
70°	411.3	413.7	425.7	417.3	416.1	422.1	424.5	423.3	420.9	422.1	423.3
72.5°	348.7	349.9	360.8	353.6	352.3	359.6	359.6	359.6	359.6	359.6	362.0
75°	286.2	287.4	297.0	291.0	289.8	297.0	297.0	297.0	297.0	299.4	298.2
77.5°	226.1	224.9	234.5	230.9	228.5	235.7	235.7	236.9	239.3	241.7	238.1
80°	169.6	168.4	175.6	170.8	170.8	178.0	176.8	178.0	180.4	181.6	182.8
82.5°	119.1	116.6	122.7	121.5	120.3	126.3	127.5	126.3	129.9	131.1	131.1
85°	73.4	73.4	77.0	74.6	74.6	79.4	79.4	80.6	83.0	84.2	84.2
87.5°	34.9	33.7	37.3	36.1	34.9	38.5	38.5	39.7	40.9	42.1	40.9
90°	1.2	1.2	2.4	2.4	2.4	4.8	4.8	4.8	6.0	6.0	4.8
92.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
95°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2



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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	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
132.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
135°	0.0	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	1.2
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
170°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
175°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	2.4	2.4
177.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7	1642.7
2.5°	1636.7	1628.3	1624.6	1627.1	1643.9	1627.1	1645.1	1651.1	1629.5	1641.5
5°	1631.9	1623.4	1618.6	1621.0	1637.9	1622.2	1641.5	1648.7	1630.7	1642.7
7.5°	1622.2	1612.6	1610.2	1613.8	1628.3	1615.0	1634.3	1641.5	1623.4	1635.5
10°	1607.8	1599.4	1597.0	1600.6	1613.8	1600.6	1617.4	1623.4	1606.6	1617.4
12.5°	1589.8	1581.4	1579.0	1583.8	1595.8	1583.8	1600.6	1606.6	1589.8	1600.6
15°	1566.9	1558.5	1557.3	1564.5	1575.3	1564.5	1581.4	1586.2	1569.3	1580.2
17.5°	1539.3	1530.8	1532.1	1540.5	1548.9	1539.3	1554.9	1559.7	1544.1	1552.5
20°	1509.2	1499.6	1502.0	1509.2	1516.4	1506.8	1522.4	1527.2	1512.8	1521.2
22.5°	1474.3	1464.7	1467.1	1475.5	1480.3	1471.9	1486.4	1491.2	1479.1	1487.6
25°	1435.8	1427.4	1431.0	1439.5	1443.1	1435.8	1449.1	1452.7	1441.9	1449.1
27.5°	1397.4	1387.7	1392.6	1401.0	1403.4	1396.2	1409.4	1411.8	1401.0	1408.2
30°	1354.1	1344.5	1350.5	1360.1	1360.1	1355.3	1366.1	1368.5	1360.1	1366.1
32.5°	1306.0	1298.8	1306.0	1314.4	1313.2	1309.6	1320.4	1322.8	1315.6	1320.4
35°	1257.9	1251.9	1259.1	1267.5	1266.3	1262.7	1273.5	1274.7	1268.7	1273.5
37.5°	1208.6	1203.8	1211.0	1218.2	1215.8	1213.4	1223.0	1223.0	1219.4	1224.2
40°	1158.1	1153.2	1159.3	1167.7	1162.9	1162.9	1168.9	1171.3	1167.7	1172.5
42.5°	1105.1	1100.3	1107.6	1114.8	1110.0	1108.8	1116.0	1117.2	1114.8	1118.4
45°	1049.8	1045.0	1052.2	1058.2	1053.4	1053.4	1059.4	1059.4	1058.2	1063.1
47.5°	993.3	989.7	995.7	1001.7	996.9	1000.5	1000.5	1000.5	1002.9	1001.7
50°	935.6	932.0	936.8	944.0	938.0	939.2	941.6	941.6	942.8	944.0
52.5°	875.5	870.6	875.5	883.9	875.5	879.1	880.3	881.5	885.1	882.7
55°	815.3	810.5	815.3	822.5	814.1	818.9	818.9	820.1	823.7	821.3
57.5°	752.8	748.0	755.2	760.0	751.6	756.4	756.4	758.8	761.2	757.6
60°	690.3	686.7	689.1	697.5	689.1	693.9	693.9	693.9	698.7	695.1
62.5°	626.5	624.1	626.5	633.7	625.3	630.1	628.9	630.1	634.9	633.7
65°	561.6	559.2	561.6	568.8	560.4	565.2	565.2	566.4	570.0	565.2
67.5°	497.9	494.2	497.9	503.9	496.7	500.3	500.3	500.3	506.3	503.9
70°	432.9	430.5	432.9	438.9	432.9	435.3	435.3	435.3	441.3	442.5
72.5°	369.2	369.2	371.6	376.4	371.6	376.4	372.8	370.4	378.8	380.0
75°	306.7	307.9	309.1	313.9	309.1	313.9	311.5	309.1	316.3	317.5
77.5°	248.9	248.9	250.1	253.7	250.1	253.7	251.3	251.3	256.1	254.9
80°	190.0	190.0	191.2	194.8	191.2	194.8	192.4	192.4	197.2	192.4
82.5°	138.3	138.3	138.3	141.9	139.5	141.9	140.7	138.3	144.3	139.5
85°	89.0	90.2	90.2	91.4	90.2	91.4	91.4	90.2	93.8	90.2
87.5°	45.7	45.7	45.7	46.9	45.7	45.7	46.9	45.7	48.1	46.9
90°	8.4	7.2	7.2	9.6	8.4	8.4	9.6	7.2	8.4	7.2
92.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8
95°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
100°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
102.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
105°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2
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	1.2	0.0	0.0	0.0	1.2



TEST NUMBER: P895106

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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	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	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°	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P895106
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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	17.63	19.27	18.00	19.58	19.90	17.77	19.40	18.13	19.72	20.04
	3H	19.45	20.94	19.83	21.26	21.63	19.60	21.08	19.98	21.41	21.77
	4H	20.12	21.51	20.51	21.86	22.24	20.31	21.70	20.71	22.05	22.43
	6H	20.57	21.86	20.98	22.23	22.62	20.86	22.16	21.28	22.53	22.92
	8H	20.71	21.94	21.13	22.33	22.74	21.06	22.30	21.49	22.69	23.09
	12H	20.80	21.99	21.23	22.37	22.80	21.20	22.39	21.63	22.77	23.20
4H	2H	18.27	19.66	18.67	20.01	20.39	18.37	19.77	18.77	20.12	20.50
	3H	20.31	21.48	20.72	21.88	22.28	20.44	21.61	20.85	22.01	22.41
	4H	21.10	22.16	21.53	22.58	23.01	21.29	22.35	21.72	22.76	23.20
	6H	21.68	22.60	22.13	23.05	23.50	21.98	22.91	22.43	23.35	23.81
	8H	21.86	22.73	22.33	23.18	23.65	22.22	23.09	22.68	23.54	24.00
	12H	22.01	22.79	22.49	23.27	23.74	22.42	23.20	22.90	23.68	24.15
8H	4H	21.43	22.30	21.89	22.74	23.21	21.59	22.46	22.06	22.91	23.38
	6H	22.13	22.86	22.63	23.34	23.82	22.42	23.14	22.91	23.63	24.11
	8H	22.40	23.05	22.91	23.55	24.04	22.75	23.40	23.26	23.91	24.40
	12H	22.61	23.19	23.12	23.68	24.24	23.03	23.61	23.54	24.10	24.66
12H	4H	21.47	22.25	21.95	22.73	23.20	21.63	22.41	22.11	22.89	23.36
	6H	22.20	22.85	22.71	23.36	23.85	22.48	23.13	22.99	23.64	24.12
	8H	22.53	23.10	23.04	23.60	24.16	22.87	23.45	23.38	23.94	24.50