

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: P895108

Luminaire Tested: 8TMB-6SL-FLT-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895108
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-L950
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

Summary

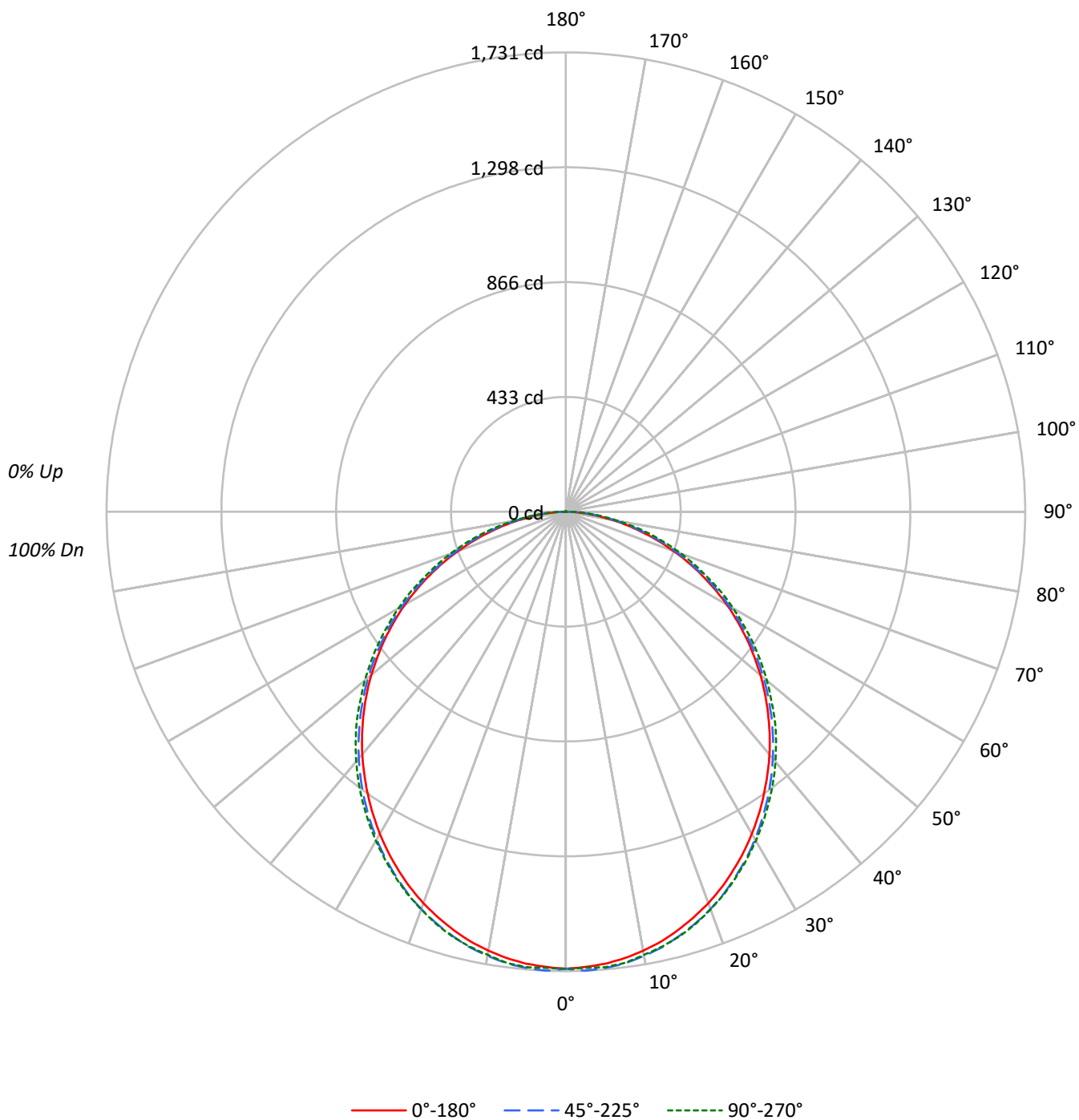
Lumens per Lamp: N/A
Luminaire Lumens: 4780.1 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): 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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CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L950

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		62
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6110	6110	6110
5°	6088	6146	6133
10°	6050	6122	6109
15°	5996	6075	6084
20°	5926	6016	6021
25°	5838	5932	5947
30°	5743	5841	5867
35°	5635	5733	5782
40°	5529	5622	5693
45°	5408	5497	5591
50°	5281	5365	5462
55°	5139	5217	5326
60°	4974	5054	5170
65°	4752	4847	4974
70°	4472	4603	4813
75°	4113	4285	4562
80°	3631	3915	4121
85°	3131	3591	3847

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5591 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	3.4
10°-20°	464.1	9.7
20°-30°	695.5	14.5
30°-40°	827.5	17.3
40°-50°	849.1	17.8
50°-60°	760.7	15.9
60°-70°	578.0	12.1
70°-80°	336.0	7.0
80°-90°	100.8	2.1
90°-100°	2.4	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°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1322.4	27.7
0°-40°	2150.0	45.0
0°-60°	3759.8	78.7
0°-90°	4774.6	99.9
90°-120°	2.9	0.1
90°-150°	4.4	0.1
90°-180°	6.0	0.1
0°-180°	4780.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1709	1738	1726	1717	1722	162
15°	1632	1664	1654	1651	1656	460
25°	1491	1525	1515	1513	1519	687
35°	1301	1332	1324	1327	1335	814
45°	1078	1104	1095	1104	1114	832
55°	831	851	843	853	861	742
65°	566	580	577	587	592	560
75°	300	311	313	324	333	318
85°	77	83	88	94	94	84
90°	1	5	5	9	8	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°	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9
2.5°	1716.9	1714.4	1716.9	1715.6	1728.2	1743.4	1740.8	1729.5	1716.9	1720.7	1730.8
5°	1709.3	1708.1	1711.9	1709.3	1721.9	1738.3	1733.3	1723.2	1711.9	1715.6	1725.7
7.5°	1696.7	1696.7	1701.8	1699.2	1710.6	1727.0	1721.9	1713.1	1701.8	1705.6	1715.6
10°	1679.1	1680.3	1686.6	1682.9	1692.9	1710.6	1705.6	1696.7	1686.6	1689.2	1699.2
12.5°	1658.9	1658.9	1666.5	1662.7	1672.8	1689.2	1682.9	1676.6	1666.5	1669.0	1680.3
15°	1632.4	1633.7	1642.5	1638.7	1647.6	1664.0	1657.7	1652.6	1643.8	1645.0	1653.9
17.5°	1602.2	1606.0	1614.8	1611.0	1619.8	1636.2	1628.7	1623.6	1616.1	1617.3	1626.1
20°	1569.4	1573.2	1582.0	1579.5	1585.8	1602.2	1594.6	1592.1	1584.5	1585.8	1593.4
22.5°	1532.9	1536.6	1546.7	1544.2	1550.5	1566.9	1558.1	1556.8	1549.2	1550.5	1556.8
25°	1491.3	1496.3	1507.6	1505.1	1510.2	1525.3	1517.7	1515.2	1510.2	1510.2	1515.2
27.5°	1448.4	1453.4	1466.0	1462.3	1466.0	1482.4	1473.6	1472.3	1467.3	1467.3	1472.3
30°	1401.8	1406.8	1420.7	1416.9	1420.7	1434.5	1425.7	1427.0	1421.9	1421.9	1425.7
32.5°	1352.6	1356.4	1371.5	1369.0	1371.5	1385.4	1376.5	1377.8	1372.8	1374.0	1375.3
35°	1300.9	1304.7	1321.1	1318.6	1319.8	1332.4	1326.1	1326.1	1322.3	1321.1	1323.6
37.5°	1248.0	1251.7	1271.9	1265.6	1265.6	1278.2	1273.2	1273.2	1269.4	1268.1	1269.4
40°	1193.8	1196.3	1217.7	1211.4	1210.1	1221.5	1217.7	1217.7	1215.2	1212.7	1213.9
42.5°	1137.0	1140.8	1162.2	1157.2	1152.2	1164.8	1161.0	1162.2	1158.5	1155.9	1155.9
45°	1077.8	1081.6	1103.0	1100.5	1092.9	1104.3	1100.5	1103.0	1098.0	1095.4	1095.4
47.5°	1018.5	1023.6	1043.8	1040.0	1032.4	1043.8	1040.0	1042.5	1037.4	1034.9	1034.9
50°	956.8	961.8	983.2	976.9	969.4	980.7	978.2	979.5	975.7	973.2	971.9
52.5°	893.7	900.0	920.2	912.7	906.4	916.4	915.2	916.4	911.4	910.1	908.9
55°	830.7	837.0	855.9	847.1	842.1	850.9	848.4	850.9	845.8	844.6	843.3
57.5°	765.2	771.5	789.1	780.3	776.5	784.1	782.8	784.1	780.3	779.0	777.8
60°	700.9	705.9	722.3	713.5	709.7	717.3	714.7	718.5	713.5	713.5	712.2
62.5°	632.8	639.1	655.5	645.4	642.9	649.2	646.7	650.5	647.9	645.4	644.2
65°	566.0	569.8	584.9	576.1	572.3	579.9	578.6	581.1	577.3	578.6	577.3
67.5°	499.2	501.7	516.8	506.7	504.2	511.8	513.1	511.8	509.3	510.5	509.3
70°	431.1	433.6	446.2	437.4	436.2	442.5	445.0	443.7	441.2	442.5	443.7
72.5°	365.6	366.8	378.2	370.6	369.3	376.9	376.9	376.9	376.9	376.9	379.4
75°	300.0	301.3	311.4	305.1	303.8	311.4	311.4	311.4	311.4	313.9	312.6
77.5°	237.0	235.7	245.8	242.0	239.5	247.1	247.1	248.3	250.9	253.4	249.6
80°	177.7	176.5	184.0	179.0	179.0	186.6	185.3	186.6	189.1	190.3	191.6
82.5°	124.8	122.3	128.6	127.3	126.1	132.4	133.6	132.4	136.1	137.4	137.4
85°	76.9	76.9	80.7	78.2	78.2	83.2	83.2	84.5	87.0	88.2	88.2
87.5°	36.6	35.3	39.1	37.8	36.6	40.3	40.3	41.6	42.9	44.1	42.9
90°	1.3	1.3	2.5	2.5	2.5	5.0	5.0	5.0	6.3	6.3	5.0
92.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	2.5
95°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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	1.3

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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	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3
132.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
135°	0.0	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	0.0	1.3
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
167.5°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
170°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.3	2.5	2.5
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9
2.5°	1715.6	1706.8	1703.0	1705.6	1723.2	1705.6	1724.5	1730.8	1708.1	1720.7
5°	1710.6	1701.8	1696.7	1699.2	1716.9	1700.5	1720.7	1728.2	1709.3	1721.9
7.5°	1700.5	1690.4	1687.9	1691.7	1706.8	1692.9	1713.1	1720.7	1701.8	1714.4
10°	1685.4	1676.6	1674.0	1677.8	1691.7	1677.8	1695.5	1701.8	1684.1	1695.5
12.5°	1666.5	1657.7	1655.1	1660.2	1672.8	1660.2	1677.8	1684.1	1666.5	1677.8
15°	1642.5	1633.7	1632.4	1640.0	1651.3	1640.0	1657.7	1662.7	1645.0	1656.4
17.5°	1613.5	1604.7	1606.0	1614.8	1623.6	1613.5	1629.9	1635.0	1618.6	1627.4
20°	1582.0	1571.9	1574.5	1582.0	1589.6	1579.5	1595.9	1600.9	1585.8	1594.6
22.5°	1545.5	1535.4	1537.9	1546.7	1551.8	1542.9	1558.1	1563.1	1550.5	1559.3
25°	1505.1	1496.3	1500.1	1508.9	1512.7	1505.1	1519.0	1522.8	1511.4	1519.0
27.5°	1464.8	1454.7	1459.7	1468.6	1471.1	1463.5	1477.4	1479.9	1468.6	1476.1
30°	1419.4	1409.3	1415.6	1425.7	1425.7	1420.7	1432.0	1434.5	1425.7	1432.0
32.5°	1369.0	1361.4	1369.0	1377.8	1376.5	1372.8	1384.1	1386.6	1379.1	1384.1
35°	1318.6	1312.3	1319.8	1328.6	1327.4	1323.6	1334.9	1336.2	1329.9	1334.9
37.5°	1266.9	1261.8	1269.4	1277.0	1274.4	1271.9	1282.0	1282.0	1278.2	1283.3
40°	1213.9	1208.9	1215.2	1224.0	1219.0	1219.0	1225.3	1227.8	1224.0	1229.1
42.5°	1158.5	1153.4	1161.0	1168.5	1163.5	1162.2	1169.8	1171.1	1168.5	1172.3
45°	1100.5	1095.4	1103.0	1109.3	1104.3	1104.3	1110.6	1110.6	1109.3	1114.3
47.5°	1041.2	1037.4	1043.8	1050.1	1045.0	1048.8	1048.8	1048.8	1051.3	1050.1
50°	980.7	976.9	982.0	989.5	983.2	984.5	987.0	987.0	988.3	989.5
52.5°	917.7	912.7	917.7	926.5	917.7	921.5	922.7	924.0	927.8	925.3
55°	854.7	849.6	854.7	862.2	853.4	858.4	858.4	859.7	863.5	861.0
57.5°	789.1	784.1	791.6	796.7	787.9	792.9	792.9	795.4	797.9	794.2
60°	723.6	719.8	722.3	731.1	722.3	727.3	727.3	727.3	732.4	728.6
62.5°	656.8	654.2	656.8	664.3	655.5	660.5	659.3	660.5	665.6	664.3
65°	588.7	586.2	588.7	596.2	587.4	592.5	592.5	593.7	597.5	592.5
67.5°	521.9	518.1	521.9	528.2	520.6	524.4	524.4	524.4	530.7	528.2
70°	453.8	451.3	453.8	460.1	453.8	456.3	456.3	456.3	462.6	463.9
72.5°	387.0	387.0	389.5	394.6	389.5	394.6	390.8	388.3	397.1	398.3
75°	321.4	322.7	324.0	329.0	324.0	329.0	326.5	324.0	331.5	332.8
77.5°	260.9	260.9	262.2	266.0	262.2	266.0	263.5	263.5	268.5	267.2
80°	199.2	199.2	200.4	204.2	200.4	204.2	201.7	201.7	206.7	201.7
82.5°	145.0	145.0	145.0	148.7	146.2	148.7	147.5	145.0	151.3	146.2
85°	93.3	94.5	94.5	95.8	94.5	95.8	95.8	94.5	98.3	94.5
87.5°	47.9	47.9	47.9	49.2	47.9	47.9	49.2	47.9	50.4	49.2
90°	8.8	7.6	7.6	10.1	8.8	8.8	10.1	7.6	8.8	7.6
92.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0
95°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8
97.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
100°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
102.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
105°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3
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	1.3	0.0	0.0	0.0	1.3

TEST NUMBER: P895108

CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L950

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	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	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°	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
175°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

TEST NUMBER: P895108

CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L950

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	17.79	19.43	18.16	19.75	20.06	17.93	19.57	18.30	19.88	20.20
	3H	19.62	21.10	20.00	21.43	21.79	19.76	21.24	20.14	21.57	21.94
	4H	20.28	21.67	20.68	22.02	22.40	20.47	21.87	20.87	22.22	22.59
	6H	20.73	22.03	21.14	22.39	22.79	21.03	22.32	21.44	22.69	23.08
	8H	20.87	22.11	21.30	22.50	22.90	21.22	22.46	21.65	22.85	23.25
	12H	20.97	22.15	21.40	22.54	22.97	21.36	22.55	21.80	22.93	23.37
4H	2H	18.43	19.82	18.83	20.17	20.55	18.54	19.93	18.94	20.28	20.66
	3H	20.47	21.64	20.88	22.04	22.44	20.60	21.78	21.01	22.18	22.58
	4H	21.26	22.32	21.70	22.74	23.18	21.45	22.51	21.88	22.92	23.36
	6H	21.84	22.77	22.29	23.21	23.67	22.14	23.07	22.60	23.51	23.97
	8H	22.03	22.90	22.49	23.34	23.81	22.39	23.26	22.85	23.70	24.17
	12H	22.17	22.95	22.65	23.43	23.90	22.58	23.36	23.06	23.84	24.31
8H	4H	21.59	22.46	22.05	22.91	23.37	21.76	22.63	22.22	23.07	23.54
	6H	22.29	23.02	22.79	23.51	23.99	22.58	23.31	23.08	23.80	24.27
	8H	22.56	23.21	23.07	23.72	24.20	22.91	23.56	23.42	24.07	24.56
	12H	22.77	23.35	23.28	23.84	24.40	23.20	23.77	23.70	24.26	24.83
12H	4H	21.64	22.42	22.12	22.89	23.37	21.79	22.57	22.27	23.05	23.52
	6H	22.37	23.02	22.88	23.52	24.01	22.64	23.29	23.15	23.80	24.29
	8H	22.69	23.27	23.20	23.76	24.32	23.03	23.61	23.54	24.10	24.66