

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: P895227

Luminaire Tested: 8TMB-8SL-FLTU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-8SL-FLTU-UNV-L940
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 400
Light Source: -
Ballast/Driver: -

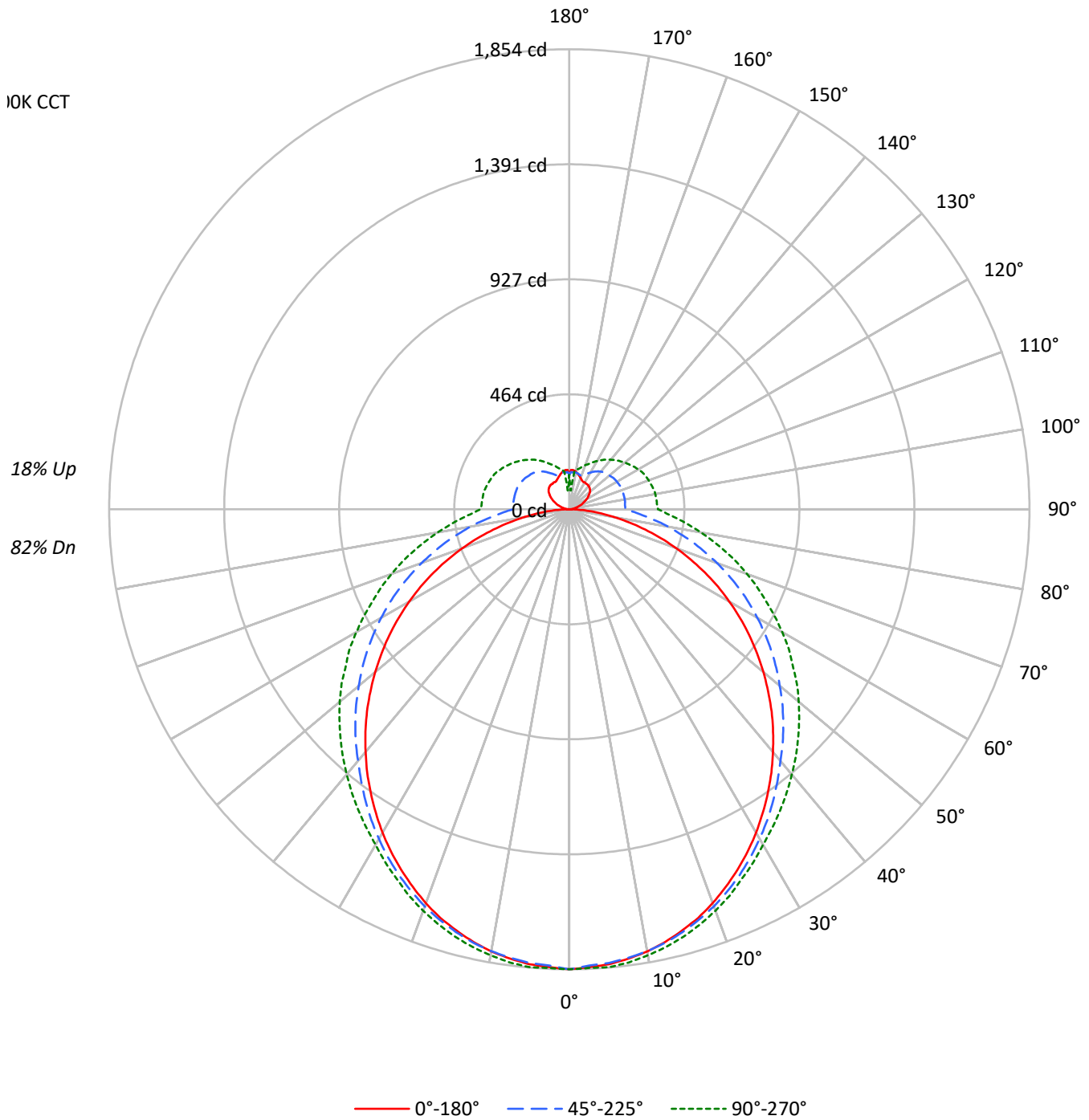
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7008.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-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

TEST NUMBER: P895227
CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

Luminous Intensity Polar Plot





TEST NUMBER: P895227
 CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6577	6577	6577
5°	6539	6312	6295
10°	6490	6079	5996
15°	6410	5844	5710
20°	6319	5603	5420
25°	6201	5350	5126
30°	6074	5091	4858
35°	5934	4831	4637
40°	5786	4574	4426
45°	5638	4350	4225
50°	5465	4119	4031
55°	5280	3891	3813
60°	5057	3647	3606
65°	4792	3389	3372
70°	4441	3105	3154
75°	3955	2814	2919
80°	3314	2504	2678
85°	2496	2187	2458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5638 cd/sqm



TEST NUMBER: P895227
 CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	2.5
10°-20°	500.0	7.1
20°-30°	751.2	10.7
30°-40°	902.0	12.9
40°-50°	948.4	13.5
50°-60°	891.1	12.7
60°-70°	741.0	10.6
70°-80°	528.8	7.5
80°-90°	314.7	4.5
90°-100°	227.8	3.3
100°-110°	224.8	3.2
110°-120°	211.2	3.0
120°-130°	187.1	2.7
130°-140°	155.1	2.2
140°-150°	116.1	1.7
150°-160°	76.3	1.1
160°-170°	43.3	0.6
170°-180°	13.8	0.2
0°-30°	1426.4	20.4
0°-40°	2328.4	33.2
0°-60°	4168.0	59.5
0°-90°	5752.5	82.1
90°-120°	663.8	9.5
90°-150°	1122.0	16.0
90°-180°	1255.0	17.9
0°-180°	7008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1840	1862	1835	1840	1852	175
15°	1757	1784	1764	1776	1783	496
25°	1603	1634	1625	1640	1644	738
35°	1395	1427	1432	1468	1481	873
45°	1153	1185	1219	1282	1304	889
55°	885	921	994	1075	1099	791
65°	603	652	755	850	874	596
75°	317	388	516	616	648	336
85°	80	174	303	405	438	87
90°	0	100	225	323	357	6
95°	8	105	225	320	354	10
105°	32	117	227	317	347	34
115°	63	127	225	303	334	63
125°	95	135	218	284	306	85
135°	117	142	206	259	278	90
145°	124	139	186	230	244	78
155°	125	140	157	195	206	59
165°	144	152	147	149	173	40
175°	159	157	149	127	76	15
180°	139	139	139	139	139	



TEST NUMBER: P895227
 CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7
2.5°	1847.0	1852.0	1853.7	1870.7	1863.9	1870.7	1858.8	1845.3	1841.9	1850.3	1840.2
5°	1840.2	1845.3	1847.0	1863.9	1857.1	1862.2	1852.0	1838.5	1835.1	1845.3	1835.1
7.5°	1826.6	1831.7	1833.4	1852.0	1843.6	1850.3	1838.5	1825.0	1823.3	1833.4	1823.3
10°	1809.7	1814.8	1816.5	1833.4	1826.6	1833.4	1821.6	1808.0	1806.3	1818.2	1808.0
12.5°	1786.0	1791.1	1794.5	1811.4	1802.9	1811.4	1797.9	1784.3	1786.0	1796.2	1789.4
15°	1757.2	1764.0	1765.7	1782.6	1775.9	1784.3	1770.8	1757.2	1760.6	1770.8	1764.0
17.5°	1726.8	1733.5	1735.2	1750.5	1743.7	1753.9	1738.6	1726.8	1730.2	1740.3	1735.2
20°	1689.5	1696.3	1699.7	1714.9	1708.1	1718.3	1703.1	1692.9	1696.3	1708.1	1703.1
22.5°	1647.2	1657.4	1659.1	1676.0	1667.5	1677.7	1662.4	1654.0	1659.1	1670.9	1665.8
25°	1603.2	1613.3	1615.0	1632.0	1625.2	1633.7	1618.4	1610.0	1616.7	1628.6	1625.2
27.5°	1555.8	1565.9	1569.3	1584.6	1577.8	1587.9	1571.0	1565.9	1572.7	1584.6	1581.2
30°	1505.0	1515.2	1516.8	1532.1	1527.0	1537.2	1521.9	1515.2	1525.3	1537.2	1533.8
32.5°	1450.8	1461.0	1466.1	1479.6	1474.5	1483.0	1469.4	1466.1	1474.5	1486.4	1484.7
35°	1395.0	1405.1	1410.2	1425.4	1418.7	1427.1	1413.6	1410.2	1423.7	1432.2	1432.2
37.5°	1337.4	1347.6	1352.6	1367.9	1359.4	1369.6	1356.0	1354.3	1369.6	1378.0	1378.0
40°	1276.5	1288.3	1293.4	1306.9	1300.2	1308.6	1296.8	1298.5	1312.0	1322.2	1323.9
42.5°	1215.5	1227.4	1232.4	1247.7	1239.2	1247.7	1237.5	1239.2	1254.4	1264.6	1273.1
45°	1152.9	1163.0	1168.1	1185.0	1174.9	1185.0	1174.9	1178.3	1193.5	1208.7	1218.9
47.5°	1086.8	1097.0	1105.5	1119.0	1110.5	1119.0	1112.2	1117.3	1135.9	1151.2	1164.7
50°	1020.8	1031.0	1039.4	1051.3	1042.8	1054.7	1046.2	1053.0	1076.7	1091.9	1107.2
52.5°	953.1	961.6	975.1	981.9	975.1	988.7	981.9	992.0	1015.7	1034.4	1051.3
55°	885.4	893.9	907.4	912.5	905.7	920.9	915.9	929.4	954.8	975.1	993.7
57.5°	816.0	824.4	836.3	841.4	836.3	853.2	851.5	866.8	892.2	914.2	934.5
60°	744.9	753.3	763.5	768.6	768.6	785.5	785.5	804.1	831.2	851.5	875.2
62.5°	675.5	680.5	690.7	697.5	702.6	719.5	719.5	739.8	768.6	792.3	816.0
65°	602.7	607.8	616.2	624.7	633.1	651.8	653.5	675.5	704.2	728.0	755.0
67.5°	529.9	535.0	543.4	553.6	565.4	584.1	587.4	611.1	641.6	668.7	694.1
70°	458.8	460.5	470.6	484.2	497.7	516.3	521.4	546.8	579.0	606.1	633.1
72.5°	387.7	389.4	399.5	416.5	431.7	452.0	458.8	485.9	518.0	545.1	572.2
75°	316.6	318.3	331.8	352.1	369.1	387.7	396.1	424.9	457.1	485.9	516.3
77.5°	248.9	252.2	265.8	286.1	306.4	328.4	336.9	365.7	401.2	428.3	457.1
80°	186.2	189.6	204.8	226.8	248.9	269.2	279.3	308.1	345.4	372.4	404.6
82.5°	128.7	133.7	152.4	176.1	198.1	220.1	230.2	257.3	291.2	321.7	352.1
85°	79.6	86.3	105.0	130.4	154.1	174.4	184.5	213.3	245.5	274.3	303.0
87.5°	37.2	47.4	66.0	91.4	116.8	133.7	145.6	174.4	204.8	233.6	262.4
90°	0.0	15.2	33.9	59.3	84.6	99.9	113.4	140.5	171.0	198.1	225.2
92.5°	3.4	16.9	37.2	60.9	86.3	101.6	115.1	142.2	171.0	198.1	225.2
95°	8.5	18.6	38.9	64.3	89.7	105.0	116.8	143.9	172.7	199.8	225.2
97.5°	15.2	23.7	44.0	67.7	93.1	106.7	120.2	147.3	174.4	201.5	226.8
100°	20.3	27.1	47.4	71.1	96.5	110.0	123.6	149.0	176.1	203.1	226.8
102.5°	25.4	33.9	52.5	74.5	99.9	113.4	125.3	150.7	177.8	203.1	226.8
105°	32.2	38.9	55.9	79.6	103.3	116.8	128.7	154.1	179.4	204.8	226.8
107.5°	38.9	44.0	60.9	83.0	106.7	118.5	130.4	155.7	181.1	204.8	226.8
110°	47.4	50.8	66.0	86.3	108.3	121.9	133.7	157.4	181.1	204.8	226.8



TEST NUMBER: P895227

CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	55.9	55.9	71.1	89.7	111.7	123.6	135.4	159.1	182.8	204.8	226.8
115°	62.6	64.3	76.2	93.1	115.1	127.0	137.1	159.1	182.8	204.8	225.2
117.5°	71.1	71.1	83.0	96.5	116.8	128.7	140.5	160.8	182.8	203.1	223.5
120°	79.6	77.9	88.0	101.6	120.2	130.4	142.2	162.5	182.8	203.1	221.8
122.5°	88.0	84.6	91.4	105.0	121.9	133.7	142.2	162.5	182.8	201.5	220.1
125°	94.8	91.4	96.5	110.0	125.3	135.4	143.9	162.5	182.8	199.8	218.4
127.5°	101.6	98.2	103.3	113.4	127.0	135.4	145.6	162.5	182.8	198.1	215.0
130°	108.3	103.3	110.0	116.8	130.4	137.1	145.6	162.5	181.1	196.4	211.6
132.5°	113.4	108.3	115.1	120.2	132.0	138.8	147.3	162.5	179.4	194.7	209.9
135°	116.8	111.7	120.2	123.6	135.4	142.2	149.0	162.5	177.8	193.0	206.5
137.5°	120.2	113.4	123.6	127.0	137.1	143.9	149.0	160.8	176.1	189.6	203.1
140°	121.9	116.8	127.0	130.4	135.4	142.2	149.0	159.1	172.7	186.2	198.1
142.5°	123.6	116.8	128.7	132.0	135.4	140.5	147.3	155.7	169.3	181.1	193.0
145°	123.6	118.5	128.7	132.0	135.4	138.8	143.9	154.1	164.2	174.4	186.2
147.5°	123.6	120.2	130.4	133.7	137.1	137.1	140.5	150.7	159.1	169.3	179.4
150°	125.3	120.2	130.4	133.7	138.8	138.8	140.5	145.6	155.7	162.5	171.0
152.5°	123.6	121.9	128.7	135.4	138.8	140.5	140.5	142.2	150.7	157.4	164.2
155°	125.3	125.3	130.4	138.8	140.5	140.5	142.2	140.5	143.9	150.7	157.4
157.5°	128.7	132.0	132.0	140.5	143.9	143.9	145.6	143.9	142.2	143.9	150.7
160°	133.7	137.1	137.1	142.2	147.3	147.3	149.0	147.3	145.6	143.9	143.9
162.5°	138.8	142.2	142.2	143.9	149.0	150.7	152.4	150.7	149.0	145.6	143.9
165°	143.9	147.3	147.3	147.3	150.7	152.4	154.1	152.4	152.4	149.0	147.3
167.5°	149.0	152.4	152.4	150.7	152.4	154.1	155.7	154.1	154.1	152.4	149.0
170°	154.1	157.4	157.4	154.1	155.7	155.7	157.4	155.7	155.7	152.4	150.7
172.5°	157.4	160.8	159.1	157.4	157.4	157.4	157.4	155.7	154.1	150.7	150.7
175°	159.1	162.5	162.5	159.1	157.4	157.4	159.1	155.7	154.1	152.4	149.0
177.5°	159.1	162.5	162.5	159.1	157.4	157.4	159.1	157.4	157.4	154.1	150.7
180°	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8



TEST NUMBER: P895227

CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7	1853.7
2.5°	1847.0	1845.3	1835.1	1847.0	1847.0	1843.6	1857.1	1855.4	1853.7	1850.3
5°	1840.2	1838.5	1828.3	1840.2	1840.2	1838.5	1852.0	1853.7	1855.4	1852.0
7.5°	1830.0	1828.3	1818.2	1830.0	1830.0	1828.3	1843.6	1845.3	1847.0	1841.9
10°	1814.8	1813.1	1802.9	1814.8	1816.5	1814.8	1826.6	1828.3	1831.7	1825.0
12.5°	1794.5	1794.5	1784.3	1796.2	1797.9	1796.2	1808.0	1811.4	1814.8	1806.3
15°	1769.1	1770.8	1762.3	1774.2	1775.9	1775.9	1787.7	1789.4	1794.5	1782.6
17.5°	1738.6	1742.0	1735.2	1747.1	1748.8	1750.5	1757.2	1762.3	1767.4	1753.9
20°	1706.5	1708.1	1703.1	1713.2	1716.6	1714.9	1723.4	1730.2	1735.2	1721.7
22.5°	1667.5	1669.2	1664.1	1674.3	1677.7	1679.4	1686.1	1694.6	1698.0	1686.1
25°	1623.5	1630.3	1626.9	1637.0	1640.4	1640.4	1647.2	1655.7	1660.7	1643.8
27.5°	1581.2	1589.6	1586.3	1596.4	1599.8	1601.5	1604.9	1615.0	1620.1	1604.9
30°	1533.8	1543.9	1542.2	1552.4	1555.8	1554.1	1560.9	1571.0	1577.8	1560.9
32.5°	1481.3	1494.8	1493.1	1506.7	1510.1	1511.8	1516.8	1530.4	1537.2	1521.9
35°	1430.5	1445.7	1447.4	1462.7	1467.8	1469.4	1476.2	1489.8	1496.5	1481.3
37.5°	1378.0	1398.3	1403.4	1418.7	1423.7	1425.4	1432.2	1447.4	1454.2	1439.0
40°	1327.2	1350.9	1357.7	1371.3	1376.3	1381.4	1386.5	1401.7	1410.2	1395.0
42.5°	1276.5	1301.8	1310.3	1323.9	1328.9	1334.0	1340.8	1357.7	1364.5	1350.9
45°	1224.0	1251.1	1261.2	1274.8	1281.5	1286.6	1293.4	1308.6	1317.1	1303.5
47.5°	1171.5	1198.6	1208.7	1224.0	1230.7	1237.5	1242.6	1261.2	1269.7	1256.1
50°	1115.6	1146.1	1157.9	1171.5	1181.7	1186.7	1193.5	1210.4	1218.9	1207.0
52.5°	1059.8	1091.9	1105.5	1119.0	1129.2	1137.6	1141.0	1159.6	1168.1	1156.3
55°	1002.2	1034.4	1049.6	1064.8	1075.0	1085.2	1088.5	1107.2	1115.6	1098.7
57.5°	944.6	978.5	993.7	1010.7	1019.1	1031.0	1036.1	1053.0	1061.5	1049.6
60°	887.1	919.2	937.9	953.1	965.0	975.1	978.5	997.1	1005.6	990.4
62.5°	827.8	861.7	880.3	897.2	907.4	919.2	924.3	941.3	948.0	932.8
65°	766.9	800.7	821.1	836.3	849.8	860.0	863.4	882.0	888.8	873.5
67.5°	705.9	739.8	761.8	778.7	790.6	802.4	805.8	824.4	831.2	819.4
70°	646.7	680.5	702.6	722.9	731.3	743.2	748.3	765.2	772.0	761.8
72.5°	587.4	621.3	645.0	665.3	673.8	685.6	692.4	705.9	716.1	707.6
75°	529.9	563.7	587.4	607.8	616.2	628.1	634.8	648.4	655.2	648.4
77.5°	474.0	507.9	529.9	550.2	560.4	570.5	577.3	590.8	599.3	592.5
80°	419.8	453.7	475.7	494.3	504.5	514.6	521.4	536.7	543.4	538.3
82.5°	369.1	401.2	424.9	443.5	453.7	463.9	470.6	484.2	492.6	485.9
85°	323.3	355.5	377.5	396.1	404.6	414.8	421.5	435.1	441.8	438.5
87.5°	279.3	308.1	333.5	352.1	360.6	370.7	379.2	389.4	397.8	392.8
90°	245.5	270.9	294.6	313.2	323.3	333.5	343.7	353.8	360.6	357.2
92.5°	247.2	270.9	292.9	309.8	320.0	330.1	340.3	352.1	357.2	353.8
95°	247.2	270.9	292.9	309.8	320.0	330.1	340.3	352.1	357.2	353.8
97.5°	247.2	270.9	292.9	309.8	320.0	330.1	340.3	352.1	357.2	352.1
100°	247.2	270.9	292.9	309.8	320.0	328.4	338.6	350.4	355.5	352.1
102.5°	247.2	270.9	291.2	308.1	318.3	326.7	336.9	348.7	353.8	350.4
105°	247.2	269.2	291.2	306.4	316.6	325.0	335.2	345.4	350.4	347.0
107.5°	245.5	267.5	287.8	304.7	313.2	321.7	331.8	342.0	347.0	343.7
110°	245.5	265.8	286.1	301.3	309.8	318.3	328.4	338.6	343.7	340.3



TEST NUMBER: P895227
 CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	243.8	264.1	284.4	298.0	306.4	314.9	323.3	335.2	340.3	336.9
115°	242.1	262.4	281.0	294.6	303.0	309.8	320.0	331.8	335.2	333.5
117.5°	240.4	259.0	277.6	291.2	299.6	306.4	314.9	325.0	330.1	328.4
120°	238.7	255.6	274.3	286.1	294.6	301.3	308.1	318.3	323.3	320.0
122.5°	235.3	252.2	270.9	282.7	289.5	296.3	303.0	311.5	316.6	314.9
125°	231.9	248.9	265.8	277.6	284.4	289.5	296.3	304.7	308.1	306.4
127.5°	228.5	245.5	260.7	270.9	279.3	284.4	289.5	298.0	301.3	299.6
130°	225.2	240.4	255.6	265.8	272.6	277.6	282.7	291.2	292.9	292.9
132.5°	221.8	235.3	250.6	260.7	267.5	270.9	275.9	282.7	286.1	284.4
135°	218.4	230.2	245.5	253.9	259.0	264.1	269.2	275.9	277.6	277.6
137.5°	213.3	225.2	238.7	247.2	252.2	255.6	260.7	267.5	269.2	269.2
140°	208.2	220.1	231.9	238.7	245.5	248.9	252.2	259.0	260.7	260.7
142.5°	203.1	213.3	225.2	231.9	238.7	240.4	245.5	250.6	252.2	252.2
145°	196.4	208.2	218.4	225.2	230.2	231.9	237.0	242.1	242.1	243.8
147.5°	187.9	198.1	211.6	216.7	221.8	223.5	228.5	231.9	233.6	233.6
150°	179.4	189.6	201.5	209.9	215.0	216.7	218.4	223.5	223.5	225.2
152.5°	171.0	179.4	191.3	199.8	206.5	208.2	209.9	213.3	213.3	215.0
155°	162.5	169.3	179.4	187.9	194.7	198.1	201.5	204.8	204.8	206.5
157.5°	155.7	162.5	171.0	177.8	182.8	187.9	193.0	196.4	196.4	196.4
160°	147.3	152.4	160.8	165.9	172.7	176.1	184.5	187.9	187.9	189.6
162.5°	142.2	143.9	149.0	154.1	159.1	162.5	171.0	179.4	179.4	181.1
165°	143.9	142.2	143.9	145.6	149.0	150.7	155.7	167.6	171.0	172.7
167.5°	147.3	142.2	142.2	142.2	145.6	145.6	150.7	157.4	169.3	165.9
170°	147.3	142.2	138.8	138.8	140.5	138.8	142.2	147.3	154.1	160.8
172.5°	149.0	143.9	138.8	132.0	133.7	132.0	128.7	128.7	130.4	152.4
175°	147.3	143.9	137.1	128.7	127.0	121.9	111.7	103.3	98.2	76.2
177.5°	145.6	140.5	135.4	128.7	125.3	120.2	108.3	94.8	81.3	77.9
180°	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8



TEST NUMBER: P895227
 CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L940

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	14.25	15.57	14.87	16.20	16.93	16.88	18.20	17.50	18.83	19.56
	3H	15.66	16.86	16.28	17.50	18.25	19.34	20.54	19.97	21.19	21.94
	4H	16.08	17.22	16.73	17.88	18.64	20.51	21.65	21.16	22.30	23.07
	6H	16.32	17.38	16.98	18.04	18.83	21.69	22.75	22.35	23.41	24.20
	8H	16.36	17.37	17.03	18.06	18.85	22.28	23.29	22.95	23.98	24.77
	12H	16.37	17.34	17.05	18.02	18.84	22.92	23.89	23.60	24.57	25.38
4H	2H	15.15	16.29	15.80	16.95	17.72	17.23	18.36	17.88	19.02	19.79
	3H	16.78	17.74	17.44	18.44	19.23	19.89	20.86	20.55	21.55	22.34
	4H	17.33	18.22	18.01	18.91	19.73	21.20	22.09	21.88	22.79	23.60
	6H	17.67	18.45	18.37	19.17	20.00	22.56	23.33	23.25	24.06	24.88
	8H	17.74	18.48	18.45	19.20	20.04	23.25	23.98	23.95	24.70	25.54
	12H	17.77	18.44	18.50	19.18	20.03	24.00	24.66	24.72	25.40	26.25
8H	4H	17.99	18.73	18.70	19.44	20.29	21.35	22.08	22.06	22.80	23.64
	6H	18.50	19.12	19.23	19.88	20.72	22.85	23.46	23.58	24.22	25.07
	8H	18.65	19.21	19.40	19.97	20.83	23.66	24.21	24.40	24.97	25.83
	12H	18.74	19.24	19.49	19.99	20.91	24.57	25.06	25.32	25.81	26.73
12H	4H	18.17	18.83	18.89	19.57	20.42	21.34	22.01	22.07	22.75	23.60
	6H	18.76	19.32	19.51	20.08	20.94	22.86	23.42	23.61	24.18	25.04
	8H	19.00	19.49	19.75	20.24	21.16	23.72	24.22	24.47	24.97	25.89