

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: P895274

Luminaire Tested: 8TMB-8SL-RNDU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-8SL-RNDU-UNV-L935
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

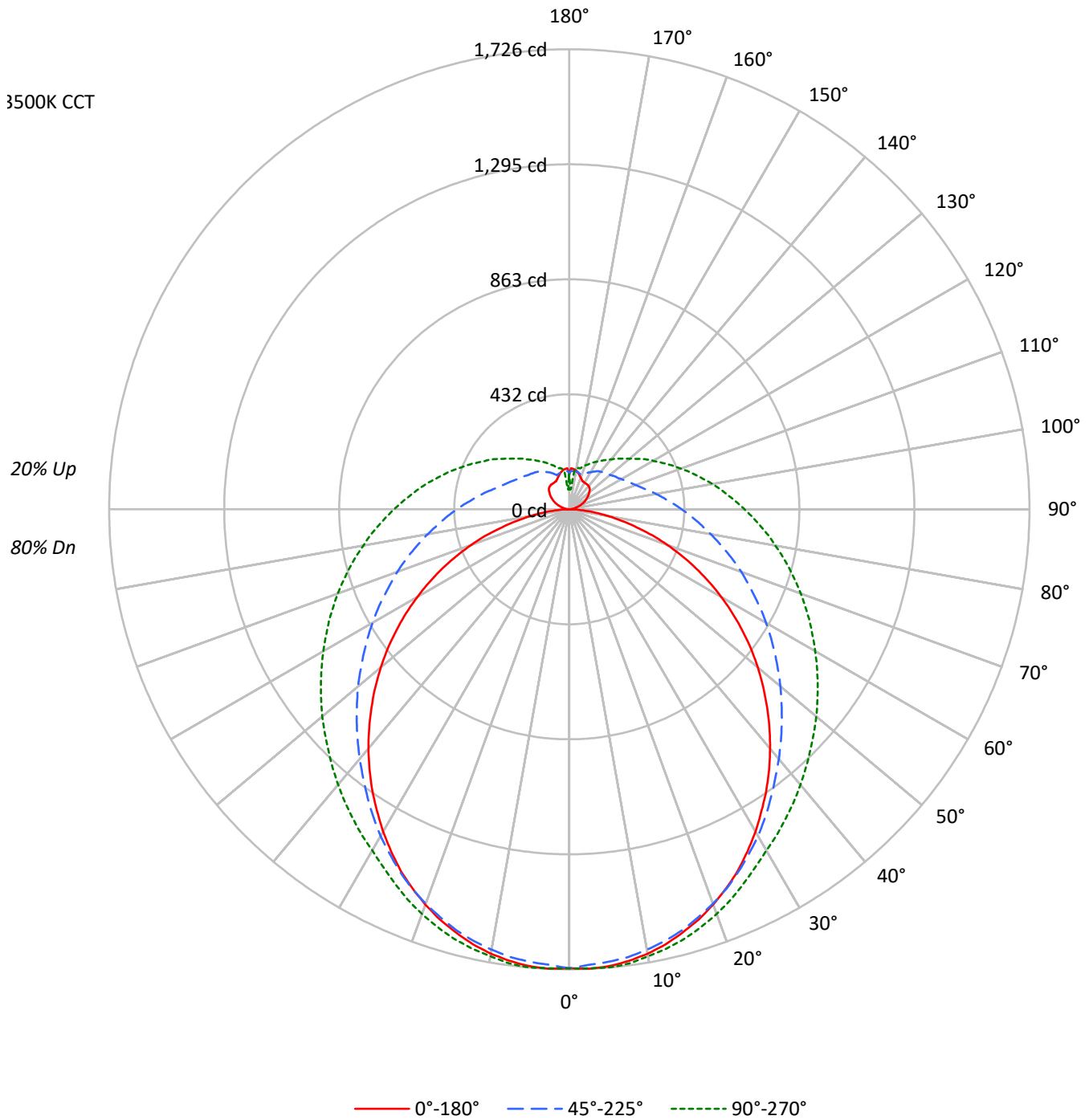
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7244.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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: P895274
CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

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			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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6111	6111	6111
5°	6114	5862	5865
10°	6071	5642	5594
15°	5995	5418	5343
20°	5903	5181	5087
25°	5787	4941	4829
30°	5635	4699	4600
35°	5479	4449	4432
40°	5311	4224	4279
45°	5129	4024	4143
50°	4939	3847	4039
55°	4720	3683	3947
60°	4473	3551	3878
65°	4169	3435	3839
70°	3791	3367	3827
75°	3275	3323	3844
80°	2654	3336	3905
85°	1850	3443	4032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5129 cd/sqm



TEST NUMBER: P895274
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	2.2
10°-20°	464.6	6.4
20°-30°	697.6	9.6
30°-40°	838.9	11.6
40°-50°	888.8	12.3
50°-60°	855.9	11.8
60°-70°	757.5	10.5
70°-80°	621.3	8.6
80°-90°	482.1	6.7
90°-100°	374.2	5.2
100°-110°	296.5	4.1
110°-120°	236.2	3.3
120°-130°	187.6	2.6
130°-140°	146.5	2.0
140°-150°	107.8	1.5
150°-160°	71.3	1.0
160°-170°	41.0	0.6
170°-180°	13.2	0.2
0°-30°	1325.2	18.3
0°-40°	2164.0	29.9
0°-60°	3908.7	54.0
0°-90°	5769.6	79.6
90°-120°	906.9	12.5
90°-150°	1348.9	18.6
90°-180°	1474.0	20.3
0°-180°	7244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1721	1722	1704	1717	1726	163
15°	1644	1645	1635	1660	1668	464
25°	1496	1501	1501	1539	1549	688
35°	1288	1304	1319	1388	1416	805
45°	1049	1073	1127	1234	1278	809
55°	792	831	941	1080	1137	708
65°	524	596	765	926	995	519
75°	262	393	610	782	854	280
85°	59	238	477	651	719	67
90°	2	187	421	590	657	4
95°	8	154	372	533	598	9
105°	30	124	293	436	493	32
115°	59	120	244	356	403	58
125°	85	124	213	293	329	76
135°	108	133	192	246	269	83
145°	115	131	174	211	224	72
155°	116	136	149	180	190	55
165°	138	146	141	141	159	39
175°	152	151	144	120	80	14
180°	133	133	133	133	133	



TEST NUMBER: P895274
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3
2.5°	1725.5	1723.9	1727.2	1730.5	1740.3	1727.2	1733.7	1715.7	1717.4	1719.0	1710.8
5°	1720.6	1715.7	1720.6	1723.9	1732.1	1722.3	1728.8	1709.2	1710.8	1714.1	1704.2
7.5°	1709.2	1704.2	1707.5	1710.8	1719.0	1709.2	1717.4	1697.7	1701.0	1702.6	1694.4
10°	1692.8	1686.2	1689.5	1694.4	1701.0	1692.8	1699.3	1681.3	1682.9	1686.2	1678.0
12.5°	1671.5	1664.9	1668.2	1671.5	1679.7	1671.5	1678.0	1660.0	1663.3	1666.6	1658.4
15°	1643.6	1637.1	1640.3	1643.6	1650.2	1645.3	1651.8	1633.8	1637.1	1643.6	1635.4
17.5°	1614.1	1604.3	1607.6	1612.5	1619.0	1615.8	1620.7	1605.9	1607.6	1614.1	1605.9
20°	1578.1	1568.2	1571.5	1576.4	1583.0	1581.3	1584.6	1571.5	1574.8	1583.0	1574.8
22.5°	1538.7	1528.9	1532.2	1538.7	1543.7	1543.7	1545.3	1535.5	1538.7	1546.9	1540.4
25°	1496.1	1486.3	1489.6	1496.1	1501.0	1501.0	1504.3	1494.5	1499.4	1507.6	1501.0
27.5°	1447.0	1442.1	1442.1	1448.6	1451.9	1455.2	1456.8	1448.6	1455.2	1463.4	1458.4
30°	1396.2	1389.6	1392.9	1401.1	1401.1	1407.6	1407.6	1401.1	1409.3	1419.1	1415.8
32.5°	1342.1	1337.2	1338.8	1348.6	1348.6	1356.8	1355.2	1351.9	1360.1	1371.6	1368.3
35°	1288.0	1283.1	1284.7	1294.6	1294.6	1304.4	1301.1	1301.1	1309.3	1322.4	1319.2
37.5°	1230.7	1227.4	1229.0	1238.9	1238.9	1248.7	1245.4	1247.0	1256.9	1271.6	1270.0
40°	1171.7	1168.4	1171.7	1179.9	1183.1	1191.3	1188.1	1191.3	1204.4	1217.6	1222.5
42.5°	1111.0	1109.4	1112.7	1120.9	1124.1	1132.3	1130.7	1135.6	1148.7	1168.4	1174.9
45°	1048.8	1048.8	1052.0	1060.2	1063.5	1073.3	1071.7	1078.3	1094.7	1116.0	1127.4
47.5°	986.5	988.1	989.8	999.6	999.6	1016.0	1011.1	1020.9	1042.2	1066.8	1079.9
50°	922.6	925.9	927.5	935.7	939.0	953.7	950.4	966.8	989.8	1016.0	1034.0
52.5°	858.7	862.0	865.2	871.8	875.1	893.1	889.8	911.1	939.0	966.8	986.5
55°	791.5	798.0	799.7	807.9	812.8	830.8	830.8	855.4	884.9	916.0	940.6
57.5°	725.9	732.5	734.1	744.0	750.5	771.8	775.1	803.0	835.7	866.9	896.4
60°	658.8	667.0	668.6	678.4	689.9	712.8	717.8	748.9	784.9	817.7	852.1
62.5°	591.6	599.8	603.0	612.9	630.9	653.8	662.0	698.1	735.8	771.8	809.5
65°	524.4	532.6	537.5	550.6	571.9	596.5	608.0	645.6	688.3	725.9	765.3
67.5°	457.2	467.0	473.6	490.0	517.8	544.0	555.5	598.1	642.4	683.3	724.3
70°	391.6	401.5	409.7	431.0	463.8	490.0	504.7	550.6	596.5	640.7	686.6
72.5°	327.7	337.6	349.0	375.3	411.3	440.8	457.2	504.7	555.5	599.8	647.3
75°	262.2	273.7	286.8	322.8	363.8	393.3	411.3	462.1	514.6	558.8	609.6
77.5°	203.2	214.7	234.3	270.4	316.3	349.0	368.7	422.8	476.9	521.1	573.5
80°	149.1	160.6	186.8	226.1	273.7	304.8	329.4	385.1	440.8	486.7	539.1
82.5°	101.6	113.1	144.2	186.8	237.6	268.7	291.7	350.7	406.4	453.9	506.4
85°	59.0	75.4	108.2	154.0	206.5	237.6	260.6	321.2	375.3	422.8	476.9
87.5°	26.2	45.9	81.9	127.8	180.3	209.8	234.3	290.0	347.4	394.9	449.0
90°	1.6	26.2	63.9	108.2	159.0	186.8	209.8	265.5	319.5	368.7	421.1
92.5°	3.3	18.0	52.4	93.4	140.9	168.8	191.7	244.2	295.0	345.8	396.6
95°	8.2	18.0	45.9	83.6	127.8	154.0	175.3	226.1	273.7	322.8	372.0
97.5°	13.1	19.7	44.2	78.7	118.0	142.6	162.2	209.8	257.3	301.5	350.7
100°	18.0	24.6	44.2	75.4	111.4	134.4	152.4	196.6	240.9	281.9	331.0
102.5°	22.9	29.5	47.5	75.4	108.2	127.8	145.8	186.8	227.8	265.5	311.4
105°	29.5	34.4	50.8	75.4	104.9	124.5	139.3	177.0	216.3	252.4	293.3
107.5°	36.1	39.3	54.1	77.0	104.9	121.3	136.0	170.4	206.5	239.3	278.6
110°	44.2	45.9	59.0	80.3	104.9	119.6	132.7	165.5	198.3	229.4	265.5



TEST NUMBER: P895274

CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	50.8	50.8	63.9	83.6	104.9	119.6	131.1	160.6	191.7	219.6	254.0
115°	59.0	59.0	68.8	86.9	106.5	119.6	131.1	159.0	186.8	211.4	244.2
117.5°	65.5	65.5	75.4	90.1	109.8	121.3	131.1	155.7	181.9	204.8	234.3
120°	72.1	72.1	78.7	93.4	111.4	122.9	131.1	154.0	177.0	199.9	226.1
122.5°	78.7	78.7	83.6	98.3	113.1	122.9	131.1	152.4	173.7	193.4	217.9
125°	85.2	85.2	88.5	101.6	116.3	124.5	132.7	152.4	172.1	188.5	213.0
127.5°	91.8	90.1	95.0	106.5	118.0	126.2	134.4	152.4	168.8	185.2	206.5
130°	96.7	95.0	101.6	109.8	121.3	127.8	134.4	150.8	167.1	181.9	199.9
132.5°	103.2	100.0	108.2	111.4	124.5	131.1	136.0	150.8	165.5	178.6	196.6
135°	108.2	104.9	113.1	116.3	126.2	132.7	137.7	150.8	163.9	177.0	191.7
137.5°	111.4	109.8	118.0	121.3	127.8	134.4	139.3	150.8	162.2	173.7	188.5
140°	113.1	111.4	118.0	124.5	127.8	134.4	137.7	149.1	160.6	170.4	183.5
142.5°	114.7	114.7	119.6	126.2	127.8	132.7	137.7	147.5	157.3	165.5	180.3
145°	114.7	114.7	119.6	127.8	129.5	131.1	134.4	144.2	152.4	160.6	173.7
147.5°	114.7	114.7	121.3	127.8	131.1	132.7	131.1	140.9	149.1	155.7	167.1
150°	114.7	114.7	121.3	127.8	132.7	134.4	132.7	137.7	144.2	150.8	160.6
152.5°	116.3	116.3	121.3	127.8	132.7	134.4	134.4	134.4	139.3	145.8	155.7
155°	116.3	118.0	121.3	131.1	134.4	136.0	136.0	136.0	134.4	140.9	149.1
157.5°	121.3	122.9	124.5	132.7	136.0	137.7	137.7	137.7	136.0	134.4	142.6
160°	126.2	127.8	129.5	136.0	139.3	140.9	140.9	140.9	137.7	136.0	136.0
162.5°	131.1	134.4	134.4	137.7	140.9	142.6	142.6	144.2	140.9	139.3	137.7
165°	137.7	139.3	139.3	140.9	144.2	145.8	144.2	145.8	144.2	142.6	140.9
167.5°	142.6	144.2	144.2	145.8	145.8	147.5	147.5	147.5	145.8	144.2	144.2
170°	147.5	149.1	149.1	149.1	149.1	149.1	149.1	149.1	147.5	144.2	144.2
172.5°	150.8	152.4	152.4	150.8	150.8	150.8	150.8	149.1	145.8	144.2	144.2
175°	152.4	154.0	154.0	152.4	150.8	150.8	150.8	149.1	145.8	144.2	144.2
177.5°	154.0	155.7	154.0	154.0	150.8	150.8	150.8	150.8	147.5	145.8	144.2
180°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7



TEST NUMBER: P895274

CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3	1722.3
2.5°	1720.6	1701.0	1714.1	1715.7	1722.3	1715.7	1720.6	1715.7	1728.8	1723.9
5°	1714.1	1696.1	1707.5	1709.2	1717.4	1709.2	1717.4	1714.1	1730.5	1725.5
7.5°	1702.6	1687.9	1697.7	1699.3	1709.2	1701.0	1709.2	1705.9	1725.5	1719.0
10°	1686.2	1674.8	1684.6	1686.2	1696.1	1687.9	1694.4	1691.1	1712.4	1702.6
12.5°	1668.2	1658.4	1666.6	1668.2	1679.7	1671.5	1679.7	1676.4	1697.7	1687.9
15°	1642.0	1637.1	1645.3	1648.5	1660.0	1653.4	1661.6	1658.4	1681.3	1668.2
17.5°	1615.8	1612.5	1620.7	1624.0	1637.1	1628.9	1637.1	1633.8	1656.7	1643.6
20°	1583.0	1581.3	1589.5	1594.5	1605.9	1597.7	1607.6	1604.3	1628.9	1615.8
22.5°	1548.6	1548.6	1555.1	1560.0	1571.5	1565.0	1574.8	1573.2	1597.7	1584.6
25°	1510.9	1512.5	1519.1	1525.6	1538.7	1533.8	1542.0	1542.0	1565.0	1548.6
27.5°	1468.3	1476.5	1481.4	1489.6	1501.0	1496.1	1504.3	1506.0	1528.9	1512.5
30°	1424.0	1435.5	1440.4	1450.2	1460.1	1460.1	1468.3	1471.6	1494.5	1478.1
32.5°	1378.1	1391.3	1397.8	1410.9	1424.0	1424.0	1435.5	1440.4	1463.4	1448.6
35°	1332.3	1350.3	1358.5	1374.9	1388.0	1389.6	1401.1	1407.6	1430.6	1415.8
37.5°	1288.0	1311.0	1319.2	1338.8	1350.3	1353.6	1366.7	1374.9	1396.2	1383.1
40°	1242.1	1270.0	1279.8	1301.1	1311.0	1317.5	1330.6	1340.5	1360.1	1348.6
42.5°	1197.9	1229.0	1238.9	1261.8	1273.3	1279.8	1292.9	1306.0	1325.7	1314.2
45°	1153.6	1188.1	1199.5	1224.1	1233.9	1243.8	1258.5	1270.0	1288.0	1278.2
47.5°	1111.0	1147.1	1158.6	1184.8	1196.3	1207.7	1220.8	1237.2	1253.6	1243.8
50°	1066.8	1104.5	1119.2	1147.1	1156.9	1170.0	1186.4	1201.2	1217.6	1209.4
52.5°	1024.2	1063.5	1078.3	1107.8	1119.2	1132.3	1148.7	1165.1	1179.9	1173.3
55°	978.3	1020.9	1037.3	1068.4	1079.9	1093.0	1111.0	1129.1	1142.2	1137.3
57.5°	935.7	979.9	996.3	1030.7	1040.6	1057.0	1075.0	1094.7	1106.1	1101.2
60°	893.1	937.3	957.0	991.4	1002.9	1019.3	1037.3	1058.6	1068.4	1065.2
62.5°	850.5	896.4	917.7	953.7	963.6	981.6	1002.9	1020.9	1030.7	1029.1
65°	811.2	855.4	880.0	916.0	925.9	945.5	965.2	984.9	994.7	994.7
67.5°	770.2	817.7	842.3	880.0	888.2	909.5	930.8	950.4	958.6	958.6
70°	732.5	778.4	806.2	843.9	852.1	871.8	894.7	916.0	922.6	924.2
72.5°	694.8	740.7	770.2	809.5	817.7	837.4	858.7	881.6	886.5	888.2
75°	658.8	704.6	734.1	773.5	781.7	801.3	824.3	845.6	852.1	853.8
77.5°	622.7	668.6	701.4	739.1	747.2	766.9	789.9	811.2	816.1	819.3
80°	589.9	634.2	665.3	706.3	714.5	734.1	755.4	776.7	780.0	784.9
82.5°	557.2	601.4	634.2	673.5	681.7	701.4	722.7	744.0	747.2	753.8
85°	526.0	570.3	603.0	640.7	650.6	668.6	691.5	711.2	714.5	719.4
87.5°	498.2	539.1	573.5	609.6	619.4	637.5	660.4	680.1	681.7	688.3
90°	468.7	509.6	544.0	580.1	589.9	606.3	629.3	648.9	652.2	657.1
92.5°	444.1	481.8	517.8	552.2	560.4	578.5	599.8	619.4	622.7	627.6
95°	417.9	455.6	491.6	524.4	532.6	550.6	570.3	589.9	593.2	598.1
97.5°	394.9	431.0	465.4	498.2	506.4	522.7	544.0	562.1	565.4	571.9
100°	373.6	408.0	444.1	473.6	481.8	498.2	517.8	535.9	539.1	545.7
102.5°	354.0	386.7	421.1	449.0	458.8	473.6	493.2	509.6	512.9	517.8
105°	335.9	367.1	399.8	426.1	435.9	450.6	468.7	485.1	488.3	493.2
107.5°	317.9	347.4	378.5	404.8	413.0	426.1	444.1	460.5	463.8	470.3
110°	301.5	331.0	360.5	385.1	394.9	404.8	422.8	437.5	440.8	445.7



TEST NUMBER: P895274
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	286.8	313.0	342.5	365.4	373.6	385.1	399.8	414.6	417.9	424.4
115°	273.7	298.2	327.7	349.0	355.6	365.4	381.8	394.9	398.2	403.1
117.5°	262.2	283.5	309.7	331.0	339.2	347.4	362.2	373.6	378.5	381.8
120°	252.4	272.0	295.0	314.6	324.5	331.0	344.1	355.6	360.5	363.8
122.5°	242.5	260.6	281.9	299.9	308.1	313.0	327.7	337.6	342.5	347.4
125°	234.3	250.7	270.4	285.1	293.3	298.2	311.4	321.2	326.1	329.4
127.5°	226.1	240.9	260.6	272.0	280.2	283.5	295.0	304.8	309.7	311.4
130°	217.9	232.7	249.1	260.6	267.1	272.0	281.9	288.4	293.3	295.0
132.5°	211.4	224.5	239.3	250.7	257.3	258.9	268.7	275.3	280.2	281.9
135°	206.5	216.3	231.1	240.9	245.8	249.1	257.3	262.2	267.1	268.7
137.5°	199.9	209.8	222.9	229.4	236.0	237.6	245.8	250.7	255.6	257.3
140°	195.0	203.2	214.7	221.2	227.8	227.8	234.3	239.3	244.2	244.2
142.5°	190.1	198.3	208.1	214.7	219.6	219.6	226.1	229.4	234.3	234.3
145°	183.5	191.7	201.6	206.5	211.4	211.4	216.3	219.6	224.5	224.5
147.5°	177.0	185.2	195.0	198.3	203.2	203.2	208.1	211.4	214.7	214.7
150°	168.8	175.3	186.8	191.7	196.6	196.6	199.9	203.2	206.5	206.5
152.5°	162.2	167.1	177.0	183.5	188.5	188.5	191.7	195.0	198.3	198.3
155°	154.0	159.0	167.1	175.3	180.3	181.9	185.2	186.8	190.1	190.1
157.5°	147.5	152.4	159.0	165.5	170.4	173.7	178.6	180.3	181.9	181.9
160°	139.3	142.6	149.1	155.7	160.6	163.9	172.1	173.7	175.3	175.3
162.5°	136.0	136.0	139.3	144.2	149.1	150.8	159.0	165.5	168.8	167.1
165°	137.7	136.0	136.0	137.7	140.9	142.6	147.5	157.3	160.6	159.0
167.5°	140.9	137.7	136.0	136.0	139.3	139.3	144.2	152.4	162.2	159.0
170°	140.9	136.0	132.7	132.7	134.4	134.4	137.7	142.6	152.4	154.0
172.5°	139.3	136.0	131.1	124.5	126.2	124.5	122.9	126.2	127.8	144.2
175°	140.9	136.0	131.1	122.9	119.6	114.7	106.5	100.0	98.3	80.3
177.5°	139.3	134.4	127.8	121.3	118.0	111.4	101.6	90.1	83.6	73.7
180°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7



TEST NUMBER: P895274
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L935

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	13.24	14.55	13.89	15.22	15.99	16.87	18.18	17.51	18.84	19.61
	3H	14.59	15.79	15.25	16.46	17.27	19.82	21.02	20.48	21.69	22.50
	4H	14.99	16.13	15.67	16.82	17.63	21.33	22.47	22.00	23.16	23.97
	6H	15.21	16.27	15.90	16.97	17.80	22.94	24.00	23.63	24.70	25.53
	8H	15.24	16.26	15.94	16.98	17.81	23.79	24.81	24.49	25.53	26.36
	12H	15.25	16.22	15.95	16.93	17.80	24.74	25.71	25.44	26.42	27.29
4H	2H	14.40	15.54	15.08	16.23	17.04	17.18	18.32	17.86	19.01	19.82
	3H	16.04	17.02	16.73	17.74	18.58	20.37	21.34	21.06	22.07	22.90
	4H	16.61	17.51	17.31	18.24	19.10	22.05	22.95	22.75	23.67	24.53
	6H	16.95	17.75	17.67	18.50	19.37	23.87	24.66	24.59	25.41	26.28
	8H	17.02	17.78	17.75	18.52	19.41	24.84	25.59	25.57	26.34	27.22
	12H	17.05	17.74	17.80	18.51	19.39	25.93	26.61	26.67	27.38	28.27
8H	4H	17.72	18.47	18.44	19.22	20.10	22.22	22.97	22.94	23.72	24.60
	6H	18.33	18.97	19.08	19.75	20.64	24.21	24.85	24.97	25.64	26.53
	8H	18.52	19.10	19.29	19.89	20.79	25.33	25.91	26.10	26.70	27.60
	12H	18.63	19.15	19.40	19.93	20.89	26.61	27.13	27.38	27.91	28.86
12H	4H	18.08	18.77	18.83	19.54	20.43	22.21	22.90	22.96	23.67	24.55
	6H	18.86	19.44	19.63	20.23	21.13	24.24	24.82	25.01	25.61	26.51
	8H	19.19	19.71	19.96	20.49	21.44	25.42	25.94	26.19	26.72	27.68