

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: P895273

Luminaire Tested: 8TMB-8SL-RNDU-UNV-L930

Issue Date: 11/11/2024

**Test Information**

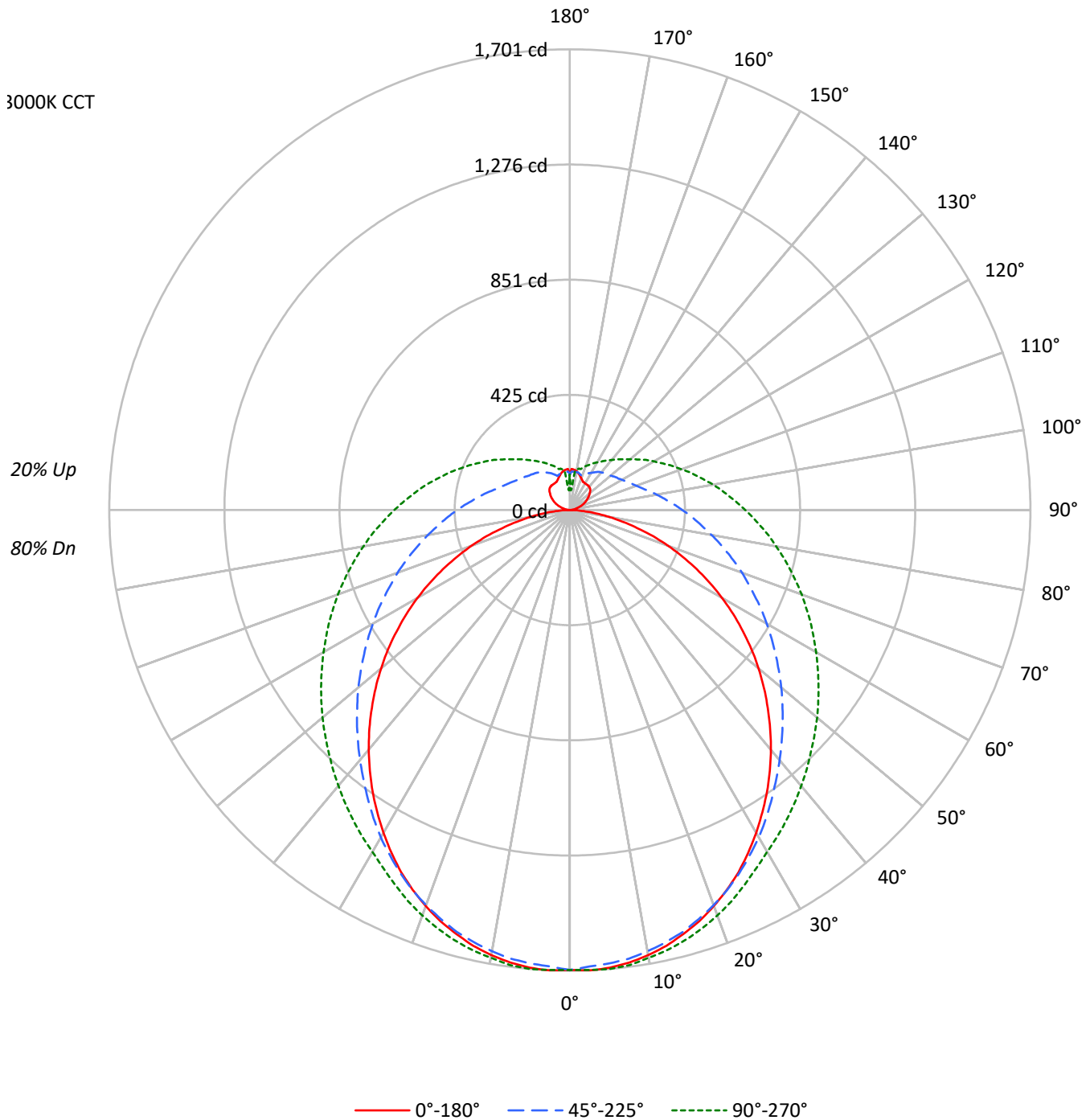
Test Method: LM-79-2019  
Report Number: P895273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-8SL-RNDU-UNV-L930  
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7142.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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<sub>in</sub>): 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: P895273  
CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L930

### 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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80		
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	61		
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	49		
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	41		
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	34		
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	29		
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	26		
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	23		
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	20		
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18		
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	16		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6025	6025	6025
5°	6028	5779	5782
10°	5985	5562	5515
15°	5911	5342	5268
20°	5819	5108	5015
25°	5705	4872	4761
30°	5556	4633	4536
35°	5402	4387	4370
40°	5236	4164	4219
45°	5056	3967	4085
50°	4869	3793	3981
55°	4653	3632	3891
60°	4410	3501	3824
65°	4110	3387	3785
70°	3737	3320	3773
75°	3229	3276	3790
80°	2616	3289	3850
85°	1825	3393	3976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5056 cd/sqm



TEST NUMBER: P895273  
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	2.2
10°-20°	458.1	6.4
20°-30°	687.8	9.6
30°-40°	827.0	11.6
40°-50°	876.2	12.3
50°-60°	843.8	11.8
60°-70°	746.8	10.5
70°-80°	612.6	8.6
80°-90°	475.3	6.7
90°-100°	368.9	5.2
100°-110°	292.3	4.1
110°-120°	232.9	3.3
120°-130°	185.0	2.6
130°-140°	144.4	2.0
140°-150°	106.3	1.5
150°-160°	70.3	1.0
160°-170°	40.5	0.6
170°-180°	13.0	0.2
0°-30°	1306.5	18.3
0°-40°	2133.5	29.9
0°-60°	3853.6	54.0
0°-90°	5688.3	79.6
90°-120°	894.1	12.5
90°-150°	1329.9	18.6
90°-180°	1454.0	20.4
0°-180°	7142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1696	1698	1680	1693	1701	161
15°	1620	1622	1612	1637	1645	457
25°	1475	1480	1480	1517	1527	679
35°	1270	1286	1301	1368	1396	794
45°	1034	1058	1112	1217	1260	798
55°	780	819	927	1065	1121	698
65°	517	588	754	913	981	512
75°	258	388	601	771	842	276
85°	58	234	470	641	709	67
90°	2	184	415	582	648	4
95°	8	152	367	525	590	9
105°	29	123	289	430	486	31
115°	58	118	241	351	397	57
125°	84	123	210	289	325	75
135°	107	131	189	242	265	81
145°	113	129	171	208	221	71
155°	115	134	147	178	187	54
165°	136	144	139	139	157	38
175°	150	149	142	118	79	14
180°	131	131	131	131	131	



TEST NUMBER: P895273

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0
2.5°	1701.3	1699.6	1702.9	1706.1	1715.8	1702.9	1709.3	1691.6	1693.2	1694.8	1686.7
5°	1696.4	1691.6	1696.4	1699.6	1707.7	1698.0	1704.5	1685.1	1686.7	1689.9	1680.2
7.5°	1685.1	1680.2	1683.5	1686.7	1694.8	1685.1	1693.2	1673.8	1677.0	1678.6	1670.6
10°	1668.9	1662.5	1665.7	1670.6	1677.0	1668.9	1675.4	1657.6	1659.2	1662.5	1654.4
12.5°	1647.9	1641.5	1644.7	1647.9	1656.0	1647.9	1654.4	1636.6	1639.9	1643.1	1635.0
15°	1620.5	1614.0	1617.2	1620.5	1626.9	1622.1	1628.5	1610.8	1614.0	1620.5	1612.4
17.5°	1591.4	1581.7	1584.9	1589.8	1596.2	1593.0	1597.9	1583.3	1584.9	1591.4	1583.3
20°	1555.8	1546.2	1549.4	1554.2	1560.7	1559.1	1562.3	1549.4	1552.6	1560.7	1552.6
22.5°	1517.1	1507.4	1510.6	1517.1	1521.9	1521.9	1523.5	1513.8	1517.1	1525.1	1518.7
25°	1475.1	1465.4	1468.6	1475.1	1479.9	1479.9	1483.1	1473.4	1478.3	1486.4	1479.9
27.5°	1426.6	1421.7	1421.7	1428.2	1431.4	1434.7	1436.3	1428.2	1434.7	1442.8	1437.9
30°	1376.5	1370.0	1373.3	1381.4	1381.4	1387.8	1387.8	1381.4	1389.4	1399.1	1395.9
32.5°	1323.2	1318.3	1320.0	1329.7	1329.7	1337.7	1336.1	1332.9	1341.0	1352.3	1349.0
35°	1269.9	1265.0	1266.6	1276.3	1276.3	1286.0	1282.8	1282.8	1290.9	1303.8	1300.6
37.5°	1213.3	1210.1	1211.7	1221.4	1221.4	1231.1	1227.9	1229.5	1239.2	1253.7	1252.1
40°	1155.2	1151.9	1155.2	1163.2	1166.5	1174.6	1171.3	1174.6	1187.5	1200.4	1205.3
42.5°	1095.4	1093.8	1097.0	1105.1	1108.3	1116.4	1114.8	1119.6	1132.6	1151.9	1158.4
45°	1034.0	1034.0	1037.2	1045.3	1048.5	1058.2	1056.6	1063.1	1079.2	1100.2	1111.5
47.5°	972.6	974.2	975.8	985.5	985.5	1001.7	996.8	1006.5	1027.5	1051.8	1064.7
50°	909.6	912.8	914.4	922.5	925.8	940.3	937.1	953.2	975.8	1001.7	1019.5
52.5°	846.6	849.8	853.0	859.5	862.7	880.5	877.3	898.3	925.8	953.2	972.6
55°	780.3	786.8	788.4	796.5	801.3	819.1	819.1	843.4	872.4	903.1	927.4
57.5°	715.7	722.2	723.8	733.5	740.0	761.0	764.2	791.7	824.0	854.7	883.7
60°	649.5	657.6	659.2	668.9	680.2	702.8	707.6	738.3	773.9	806.2	840.1
62.5°	583.2	591.3	594.5	604.2	622.0	644.6	652.7	688.3	725.4	761.0	798.1
65°	517.0	525.1	529.9	542.8	563.9	588.1	599.4	636.6	678.6	715.7	754.5
67.5°	450.8	460.5	466.9	483.1	510.5	536.4	547.7	589.7	633.3	673.7	714.1
70°	386.1	395.8	403.9	424.9	457.2	483.1	497.6	542.8	588.1	631.7	676.9
72.5°	323.1	332.8	344.1	370.0	405.5	434.6	450.8	497.6	547.7	591.3	638.2
75°	258.5	269.8	282.7	318.3	358.7	387.7	405.5	455.6	507.3	550.9	601.0
77.5°	200.3	211.6	231.0	266.6	311.8	344.1	363.5	416.8	470.1	513.8	565.5
80°	147.0	158.3	184.2	223.0	269.8	300.5	324.7	379.7	434.6	479.8	531.5
82.5°	100.2	111.5	142.2	184.2	234.3	265.0	287.6	345.7	400.7	447.5	499.2
85°	58.2	74.3	106.6	151.9	203.6	234.3	256.9	316.7	370.0	416.8	470.1
87.5°	25.8	45.2	80.8	126.0	177.7	206.8	231.0	286.0	342.5	389.4	442.7
90°	1.6	25.8	63.0	106.6	156.7	184.2	206.8	261.7	315.0	363.5	415.2
92.5°	3.2	17.8	51.7	92.1	138.9	166.4	189.0	240.7	290.8	340.9	391.0
95°	8.1	17.8	45.2	82.4	126.0	151.9	172.9	223.0	269.8	318.3	366.7
97.5°	12.9	19.4	43.6	77.5	116.3	140.6	159.9	206.8	253.7	297.3	345.7
100°	17.8	24.2	43.6	74.3	109.9	132.5	150.3	193.9	237.5	277.9	326.4
102.5°	22.6	29.1	46.9	74.3	106.6	126.0	143.8	184.2	224.6	261.7	307.0
105°	29.1	33.9	50.1	74.3	103.4	122.8	137.3	174.5	213.3	248.8	289.2
107.5°	35.5	38.8	53.3	75.9	103.4	119.6	134.1	168.0	203.6	235.9	274.7
110°	43.6	45.2	58.2	79.2	103.4	117.9	130.9	163.2	195.5	226.2	261.7



TEST NUMBER: P895273  
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L930

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	50.1	50.1	63.0	82.4	103.4	117.9	129.2	158.3	189.0	216.5	250.4
115°	58.2	58.2	67.9	85.6	105.0	117.9	129.2	156.7	184.2	208.4	240.7
117.5°	64.6	64.6	74.3	88.9	108.2	119.6	129.2	153.5	179.3	202.0	231.0
120°	71.1	71.1	77.5	92.1	109.9	121.2	129.2	151.9	174.5	197.1	223.0
122.5°	77.5	77.5	82.4	96.9	111.5	121.2	129.2	150.3	171.3	190.6	214.9
125°	84.0	84.0	87.2	100.2	114.7	122.8	130.9	150.3	169.6	185.8	210.0
127.5°	90.5	88.9	93.7	105.0	116.3	124.4	132.5	150.3	166.4	182.6	203.6
130°	95.3	93.7	100.2	108.2	119.6	126.0	132.5	148.6	164.8	179.3	197.1
132.5°	101.8	98.6	106.6	109.9	122.8	129.2	134.1	148.6	163.2	176.1	193.9
135°	106.6	103.4	111.5	114.7	124.4	130.9	135.7	148.6	161.6	174.5	189.0
137.5°	109.9	108.2	116.3	119.6	126.0	132.5	137.3	148.6	159.9	171.3	185.8
140°	111.5	109.9	116.3	122.8	126.0	132.5	135.7	147.0	158.3	168.0	180.9
142.5°	113.1	113.1	117.9	124.4	126.0	130.9	135.7	145.4	155.1	163.2	177.7
145°	113.1	113.1	117.9	126.0	127.6	129.2	132.5	142.2	150.3	158.3	171.3
147.5°	113.1	113.1	119.6	126.0	129.2	130.9	129.2	138.9	147.0	153.5	164.8
150°	113.1	113.1	119.6	126.0	130.9	132.5	130.9	135.7	142.2	148.6	158.3
152.5°	114.7	114.7	119.6	126.0	130.9	132.5	132.5	132.5	137.3	143.8	153.5
155°	114.7	116.3	119.6	129.2	132.5	134.1	134.1	134.1	132.5	138.9	147.0
157.5°	119.6	121.2	122.8	130.9	134.1	135.7	135.7	135.7	134.1	132.5	140.6
160°	124.4	126.0	127.6	134.1	137.3	138.9	138.9	138.9	135.7	134.1	134.1
162.5°	129.2	132.5	132.5	135.7	138.9	140.6	140.6	142.2	138.9	137.3	135.7
165°	135.7	137.3	137.3	138.9	142.2	143.8	142.2	143.8	142.2	140.6	138.9
167.5°	140.6	142.2	142.2	143.8	143.8	145.4	145.4	145.4	143.8	142.2	142.2
170°	145.4	147.0	147.0	147.0	147.0	147.0	147.0	147.0	145.4	142.2	142.2
172.5°	148.6	150.3	150.3	148.6	148.6	148.6	148.6	147.0	143.8	142.2	142.2
175°	150.3	151.9	151.9	150.3	148.6	148.6	148.6	147.0	143.8	142.2	142.2
177.5°	151.9	153.5	151.9	151.9	148.6	148.6	148.6	148.6	145.4	143.8	142.2
180°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0	1698.0
2.5°	1696.4	1677.0	1689.9	1691.6	1698.0	1691.6	1696.4	1691.6	1704.5	1699.6
5°	1689.9	1672.2	1683.5	1685.1	1693.2	1685.1	1693.2	1689.9	1706.1	1701.3
7.5°	1678.6	1664.1	1673.8	1675.4	1685.1	1677.0	1685.1	1681.9	1701.3	1694.8
10°	1662.5	1651.2	1660.9	1662.5	1672.2	1664.1	1670.6	1667.3	1688.3	1678.6
12.5°	1644.7	1635.0	1643.1	1644.7	1656.0	1647.9	1656.0	1652.8	1673.8	1664.1
15°	1618.9	1614.0	1622.1	1625.3	1636.6	1630.2	1638.2	1635.0	1657.6	1644.7
17.5°	1593.0	1589.8	1597.9	1601.1	1614.0	1605.9	1614.0	1610.8	1633.4	1620.5
20°	1560.7	1559.1	1567.2	1572.0	1583.3	1575.2	1584.9	1581.7	1605.9	1593.0
22.5°	1526.8	1526.8	1533.2	1538.1	1549.4	1542.9	1552.6	1551.0	1575.2	1562.3
25°	1489.6	1491.2	1497.7	1504.1	1517.1	1512.2	1520.3	1520.3	1542.9	1526.8
27.5°	1447.6	1455.7	1460.5	1468.6	1479.9	1475.1	1483.1	1484.8	1507.4	1491.2
30°	1404.0	1415.3	1420.1	1429.8	1439.5	1439.5	1447.6	1450.8	1473.4	1457.3
32.5°	1358.7	1371.7	1378.1	1391.1	1404.0	1404.0	1415.3	1420.1	1442.8	1428.2
35°	1313.5	1331.3	1339.4	1355.5	1368.4	1370.0	1381.4	1387.8	1410.4	1395.9
37.5°	1269.9	1292.5	1300.6	1320.0	1331.3	1334.5	1347.4	1355.5	1376.5	1363.6
40°	1224.6	1252.1	1261.8	1282.8	1292.5	1299.0	1311.9	1321.6	1341.0	1329.7
42.5°	1181.0	1211.7	1221.4	1244.0	1255.3	1261.8	1274.7	1287.7	1307.0	1295.7
45°	1137.4	1171.3	1182.6	1206.9	1216.6	1226.3	1240.8	1252.1	1269.9	1260.2
47.5°	1095.4	1130.9	1142.2	1168.1	1179.4	1190.7	1203.6	1219.8	1236.0	1226.3
50°	1051.8	1088.9	1103.5	1130.9	1140.6	1153.6	1169.7	1184.3	1200.4	1192.3
52.5°	1009.8	1048.5	1063.1	1092.2	1103.5	1116.4	1132.6	1148.7	1163.2	1156.8
55°	964.5	1006.5	1022.7	1053.4	1064.7	1077.6	1095.4	1113.2	1126.1	1121.2
57.5°	922.5	966.1	982.3	1016.2	1025.9	1042.1	1059.8	1079.2	1090.5	1085.7
60°	880.5	924.1	943.5	977.5	988.8	1004.9	1022.7	1043.7	1053.4	1050.2
62.5°	838.5	883.7	904.7	940.3	950.0	967.8	988.8	1006.5	1016.2	1014.6
65°	799.7	843.4	867.6	903.1	912.8	932.2	951.6	971.0	980.7	980.7
67.5°	759.3	806.2	830.4	867.6	875.7	896.7	917.7	937.1	945.1	945.1
70°	722.2	767.4	794.9	832.0	840.1	859.5	882.1	903.1	909.6	911.2
72.5°	685.0	730.3	759.3	798.1	806.2	825.6	846.6	869.2	874.1	875.7
75°	649.5	694.7	723.8	762.6	770.7	790.0	812.7	833.7	840.1	841.7
77.5°	613.9	659.2	691.5	728.6	736.7	756.1	778.7	799.7	804.6	807.8
80°	581.6	625.2	655.9	696.3	704.4	723.8	744.8	765.8	769.0	773.9
82.5°	549.3	592.9	625.2	664.0	672.1	691.5	712.5	733.5	736.7	743.2
85°	518.6	562.2	594.5	631.7	641.4	659.2	681.8	701.2	704.4	709.3
87.5°	491.1	531.5	565.5	601.0	610.7	628.5	651.1	670.5	672.1	678.6
90°	462.1	502.5	536.4	571.9	581.6	597.8	620.4	639.8	643.0	647.9
92.5°	437.8	475.0	510.5	544.5	552.5	570.3	591.3	610.7	613.9	618.8
95°	412.0	449.1	484.7	517.0	525.1	542.8	562.2	581.6	584.9	589.7
97.5°	389.4	424.9	458.8	491.1	499.2	515.4	536.4	554.2	557.4	563.9
100°	368.4	402.3	437.8	466.9	475.0	491.1	510.5	528.3	531.5	538.0
102.5°	349.0	381.3	415.2	442.7	452.4	466.9	486.3	502.5	505.7	510.5
105°	331.2	361.9	394.2	420.1	429.8	444.3	462.1	478.2	481.5	486.3
107.5°	313.4	342.5	373.2	399.1	407.1	420.1	437.8	454.0	457.2	463.7
110°	297.3	326.4	355.4	379.7	389.4	399.1	416.8	431.4	434.6	439.4





TEST NUMBER: P895273  
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L930

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	282.7	308.6	337.7	360.3	368.4	379.7	394.2	408.8	412.0	418.4
115°	269.8	294.0	323.1	344.1	350.6	360.3	376.4	389.4	392.6	397.4
117.5°	258.5	279.5	305.4	326.4	334.4	342.5	357.1	368.4	373.2	376.4
120°	248.8	268.2	290.8	310.2	319.9	326.4	339.3	350.6	355.4	358.7
122.5°	239.1	256.9	277.9	295.7	303.7	308.6	323.1	332.8	337.7	342.5
125°	231.0	247.2	266.6	281.1	289.2	294.0	307.0	316.7	321.5	324.7
127.5°	223.0	237.5	256.9	268.2	276.3	279.5	290.8	300.5	305.4	307.0
130°	214.9	229.4	245.6	256.9	263.3	268.2	277.9	284.3	289.2	290.8
132.5°	208.4	221.3	235.9	247.2	253.7	255.3	265.0	271.4	276.3	277.9
135°	203.6	213.3	227.8	237.5	242.3	245.6	253.7	258.5	263.3	265.0
137.5°	197.1	206.8	219.7	226.2	232.6	234.3	242.3	247.2	252.0	253.7
140°	192.3	200.3	211.6	218.1	224.6	224.6	231.0	235.9	240.7	240.7
142.5°	187.4	195.5	205.2	211.6	216.5	216.5	223.0	226.2	231.0	231.0
145°	180.9	189.0	198.7	203.6	208.4	208.4	213.3	216.5	221.3	221.3
147.5°	174.5	182.6	192.3	195.5	200.3	200.3	205.2	208.4	211.6	211.6
150°	166.4	172.9	184.2	189.0	193.9	193.9	197.1	200.3	203.6	203.6
152.5°	159.9	164.8	174.5	180.9	185.8	185.8	189.0	192.3	195.5	195.5
155°	151.9	156.7	164.8	172.9	177.7	179.3	182.6	184.2	187.4	187.4
157.5°	145.4	150.3	156.7	163.2	168.0	171.3	176.1	177.7	179.3	179.3
160°	137.3	140.6	147.0	153.5	158.3	161.6	169.6	171.3	172.9	172.9
162.5°	134.1	134.1	137.3	142.2	147.0	148.6	156.7	163.2	166.4	164.8
165°	135.7	134.1	134.1	135.7	138.9	140.6	145.4	155.1	158.3	156.7
167.5°	138.9	135.7	134.1	134.1	137.3	137.3	142.2	150.3	159.9	156.7
170°	138.9	134.1	130.9	130.9	132.5	132.5	135.7	140.6	150.3	151.9
172.5°	137.3	134.1	129.2	122.8	124.4	122.8	121.2	124.4	126.0	142.2
175°	138.9	134.1	129.2	121.2	117.9	113.1	105.0	98.6	96.9	79.2
177.5°	137.3	132.5	126.0	119.6	116.3	109.9	100.2	88.9	82.4	72.7
180°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9



TEST NUMBER: P895273  
 CATALOG NUMBER: 8TMB-8SL-RNDU-UNV-L930

**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	13.19	14.51	13.84	15.17	15.94	16.82	18.13	17.46	18.79	19.56
	3H	14.54	15.74	15.20	16.41	17.22	19.77	20.97	20.43	21.65	22.45
	4H	14.94	16.08	15.62	16.77	17.58	21.28	22.42	21.95	23.11	23.92
	6H	15.16	16.22	15.85	16.92	17.75	22.89	23.95	23.58	24.65	25.48
	8H	15.19	16.21	15.89	16.93	17.76	23.74	24.76	24.44	25.48	26.31
	12H	15.20	16.17	15.90	16.89	17.75	24.69	25.66	25.39	26.37	27.24
4H	2H	14.35	15.49	15.03	16.18	16.99	17.13	18.27	17.81	18.96	19.77
	3H	15.99	16.97	16.68	17.69	18.53	20.32	21.30	21.01	22.02	22.85
	4H	16.56	17.46	17.27	18.19	19.05	22.00	22.90	22.70	23.62	24.49
	6H	16.90	17.70	17.62	18.45	19.32	23.82	24.61	24.54	25.36	26.23
	8H	16.97	17.73	17.70	18.47	19.36	24.79	25.54	25.52	26.29	27.17
	12H	17.00	17.69	17.75	18.46	19.35	25.88	26.56	26.63	27.33	28.22
8H	4H	17.67	18.42	18.39	19.17	20.05	22.17	22.92	22.89	23.67	24.55
	6H	18.28	18.92	19.03	19.70	20.59	24.16	24.80	24.92	25.59	26.48
	8H	18.47	19.05	19.24	19.84	20.74	25.28	25.86	26.05	26.65	27.55
	12H	18.58	19.10	19.35	19.88	20.84	26.56	27.08	27.33	27.86	28.81
12H	4H	18.03	18.72	18.78	19.49	20.38	22.16	22.85	22.91	23.62	24.51
	6H	18.81	19.39	19.58	20.18	21.08	24.19	24.77	24.96	25.56	26.46
	8H	19.14	19.66	19.91	20.44	21.39	25.37	25.89	26.14	26.67	27.63