

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: P895528

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC93-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895528
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-SC3-RNDU-UNV-CC93-MID-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50
CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

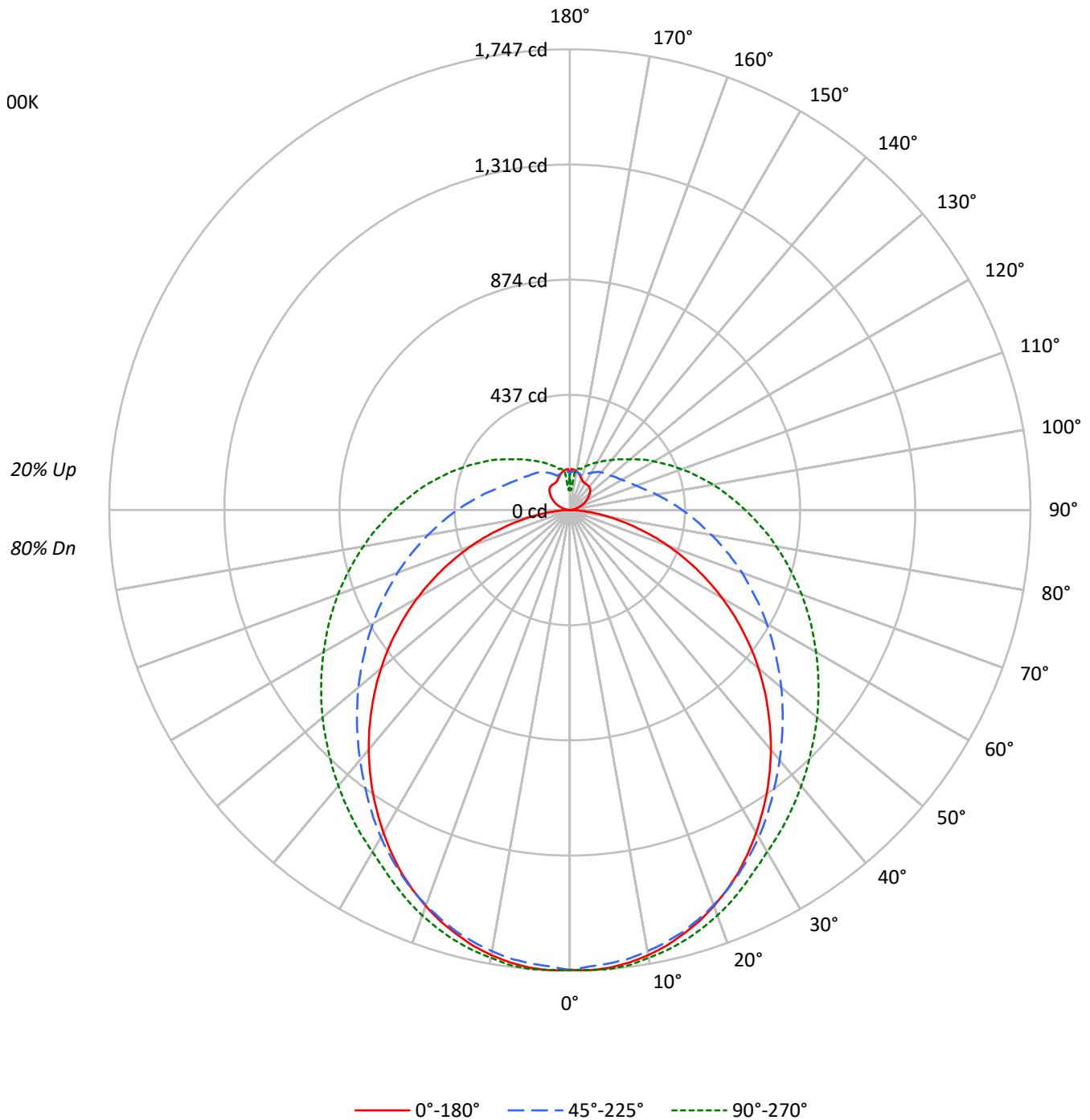
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7335.0 lumens
Efficiency: N/A
Efficacy: 109.6 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): 66.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P895528
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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°	6188	6188	6188
5°	6191	5936	5938
10°	6147	5713	5664
15°	6071	5486	5411
20°	5977	5246	5150
25°	5859	5003	4889
30°	5706	4758	4658
35°	5548	4505	4488
40°	5377	4277	4333
45°	5193	4074	4195
50°	5001	3895	4089
55°	4779	3730	3996
60°	4528	3595	3927
65°	4222	3478	3888
70°	3839	3410	3875
75°	3317	3365	3892
80°	2687	3378	3954
85°	1872	3486	4083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	2.2
10°-20°	470.5	6.4
20°-30°	706.4	9.6
30°-40°	849.4	11.6
40°-50°	899.9	12.3
50°-60°	866.7	11.8
60°-70°	767.0	10.5
70°-80°	629.1	8.6
80°-90°	488.2	6.7
90°-100°	378.9	5.2
100°-110°	300.2	4.1
110°-120°	239.2	3.3
120°-130°	190.0	2.6
130°-140°	148.3	2.0
140°-150°	109.2	1.5
150°-160°	72.2	1.0
160°-170°	41.6	0.6
170°-180°	13.4	0.2
0°-30°	1341.8	18.3
0°-40°	2191.2	29.9
0°-60°	3957.8	54.0
0°-90°	5842.1	79.6
90°-120°	918.3	12.5
90°-150°	1365.8	18.6
90°-180°	1493.0	20.4
0°-180°	7335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1742	1744	1726	1739	1747	165
15°	1664	1666	1656	1681	1689	469
25°	1515	1520	1520	1558	1568	697
35°	1304	1321	1336	1405	1434	815
45°	1062	1087	1142	1249	1294	819
55°	801	841	952	1094	1152	717
65°	531	604	775	938	1007	526
75°	266	398	617	792	864	284
85°	60	241	483	659	728	68
90°	2	189	426	597	665	5
95°	8	156	377	539	606	9
105°	30	126	297	441	499	32
115°	60	121	247	360	408	58
125°	86	126	216	297	334	77
135°	110	134	194	249	272	84
145°	116	133	176	214	227	73
155°	118	138	151	182	192	55
165°	139	148	143	143	161	39
175°	154	153	146	121	81	15
180°	134	134	134	134	134	



TEST NUMBER: P895528
 CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9
2.5°	1747.2	1745.6	1748.9	1752.2	1762.2	1748.9	1755.5	1737.3	1738.9	1740.6	1732.3
5°	1742.2	1737.3	1742.2	1745.6	1753.9	1743.9	1750.5	1730.6	1732.3	1735.6	1725.7
7.5°	1730.6	1725.7	1729.0	1732.3	1740.6	1730.6	1738.9	1719.0	1722.3	1724.0	1715.7
10°	1714.0	1707.4	1710.7	1715.7	1722.3	1714.0	1720.7	1702.4	1704.1	1707.4	1699.1
12.5°	1692.5	1685.8	1689.2	1692.5	1700.8	1692.5	1699.1	1680.9	1684.2	1687.5	1679.2
15°	1664.3	1657.6	1660.9	1664.3	1670.9	1665.9	1672.6	1654.3	1657.6	1664.3	1656.0
17.5°	1634.4	1624.4	1627.8	1632.7	1639.4	1636.1	1641.0	1626.1	1627.8	1634.4	1626.1
20°	1597.9	1587.9	1591.3	1596.2	1602.9	1601.2	1604.5	1591.3	1594.6	1602.9	1594.6
22.5°	1558.1	1548.1	1551.4	1558.1	1563.0	1563.0	1564.7	1554.7	1558.1	1566.4	1559.7
25°	1514.9	1505.0	1508.3	1514.9	1519.9	1519.9	1523.2	1513.3	1518.2	1526.5	1519.9
27.5°	1465.1	1460.2	1460.2	1466.8	1470.1	1473.4	1475.1	1466.8	1473.4	1481.7	1476.8
30°	1413.7	1407.1	1410.4	1418.7	1418.7	1425.3	1425.3	1418.7	1427.0	1436.9	1433.6
32.5°	1359.0	1354.0	1355.6	1365.6	1365.6	1373.9	1372.2	1368.9	1377.2	1388.8	1385.5
35°	1304.2	1299.2	1300.9	1310.8	1310.8	1320.8	1317.5	1317.5	1325.8	1339.0	1335.7
37.5°	1246.1	1242.8	1244.5	1254.4	1254.4	1264.4	1261.1	1262.7	1272.7	1287.6	1285.9
40°	1186.4	1183.1	1186.4	1194.7	1198.0	1206.3	1203.0	1206.3	1219.6	1232.8	1237.8
42.5°	1125.0	1123.3	1126.7	1135.0	1138.3	1146.6	1144.9	1149.9	1163.2	1183.1	1189.7
45°	1061.9	1061.9	1065.3	1073.6	1076.9	1086.8	1085.2	1091.8	1108.4	1130.0	1141.6
47.5°	998.9	1000.5	1002.2	1012.2	1012.2	1028.8	1023.8	1033.7	1055.3	1080.2	1093.5
50°	934.2	937.5	939.2	947.5	950.8	965.7	962.4	979.0	1002.2	1028.8	1047.0
52.5°	869.5	872.8	876.1	882.7	886.1	904.3	901.0	922.6	950.8	979.0	998.9
55°	801.4	808.1	809.7	818.0	823.0	841.3	841.3	866.1	896.0	927.5	952.4
57.5°	735.1	741.7	743.4	753.3	760.0	781.5	784.8	813.0	846.2	877.8	907.6
60°	667.0	675.3	677.0	686.9	698.6	721.8	726.8	758.3	794.8	828.0	862.8
62.5°	599.0	607.3	610.6	620.6	638.8	662.1	670.4	706.9	745.0	781.5	819.7
65°	531.0	539.3	544.2	557.5	579.1	604.0	615.6	653.8	696.9	735.1	774.9
67.5°	462.9	472.9	479.5	496.1	524.3	550.9	562.5	605.6	650.4	691.9	733.4
70°	396.6	406.5	414.8	436.4	469.6	496.1	511.1	557.5	604.0	648.8	695.2
72.5°	331.9	341.8	353.4	380.0	416.5	446.3	462.9	511.1	562.5	607.3	655.4
75°	265.5	277.1	290.4	326.9	368.4	398.2	416.5	467.9	521.0	565.8	617.3
77.5°	205.8	217.4	237.3	273.8	320.2	353.4	373.3	428.1	482.9	527.7	580.7
80°	151.0	162.6	189.2	229.0	277.1	308.6	333.5	389.9	446.3	492.8	545.9
82.5°	102.9	114.5	146.0	189.2	240.6	272.1	295.4	355.1	411.5	459.6	512.7
85°	59.7	76.3	109.5	156.0	209.1	240.6	263.8	325.2	380.0	428.1	482.9
87.5°	26.5	46.5	83.0	129.4	182.5	212.4	237.3	293.7	351.8	399.9	454.6
90°	1.7	26.5	64.7	109.5	161.0	189.2	212.4	268.8	323.6	373.3	426.4
92.5°	3.3	18.3	53.1	94.6	142.7	170.9	194.1	247.2	298.7	350.1	401.5
95°	8.3	18.3	46.5	84.6	129.4	156.0	177.5	229.0	277.1	326.9	376.7
97.5°	13.3	19.9	44.8	79.6	119.5	144.4	164.3	212.4	260.5	305.3	355.1
100°	18.3	24.9	44.8	76.3	112.8	136.1	154.3	199.1	243.9	285.4	335.2
102.5°	23.2	29.9	48.1	76.3	109.5	129.4	147.7	189.2	230.6	268.8	315.3
105°	29.9	34.8	51.4	76.3	106.2	126.1	141.0	179.2	219.0	255.5	297.0
107.5°	36.5	39.8	54.8	78.0	106.2	122.8	137.7	172.6	209.1	242.3	282.1
110°	44.8	46.5	59.7	81.3	106.2	121.1	134.4	167.6	200.8	232.3	268.8



TEST NUMBER: P895528

CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	51.4	51.4	64.7	84.6	106.2	121.1	132.7	162.6	194.1	222.3	257.2
115°	59.7	59.7	69.7	87.9	107.9	121.1	132.7	161.0	189.2	214.0	247.2
117.5°	66.4	66.4	76.3	91.3	111.2	122.8	132.7	157.6	184.2	207.4	237.3
120°	73.0	73.0	79.6	94.6	112.8	124.4	132.7	156.0	179.2	202.4	229.0
122.5°	79.6	79.6	84.6	99.6	114.5	124.4	132.7	154.3	175.9	195.8	220.7
125°	86.3	86.3	89.6	102.9	117.8	126.1	134.4	154.3	174.2	190.8	215.7
127.5°	92.9	91.3	96.2	107.9	119.5	127.8	136.1	154.3	170.9	187.5	209.1
130°	97.9	96.2	102.9	111.2	122.8	129.4	136.1	152.7	169.2	184.2	202.4
132.5°	104.5	101.2	109.5	112.8	126.1	132.7	137.7	152.7	167.6	180.9	199.1
135°	109.5	106.2	114.5	117.8	127.8	134.4	139.4	152.7	165.9	179.2	194.1
137.5°	112.8	111.2	119.5	122.8	129.4	136.1	141.0	152.7	164.3	175.9	190.8
140°	114.5	112.8	119.5	126.1	129.4	136.1	139.4	151.0	162.6	172.6	185.8
142.5°	116.1	116.1	121.1	127.8	129.4	134.4	139.4	149.3	159.3	167.6	182.5
145°	116.1	116.1	121.1	129.4	131.1	132.7	136.1	146.0	154.3	162.6	175.9
147.5°	116.1	116.1	122.8	129.4	132.7	134.4	132.7	142.7	151.0	157.6	169.2
150°	116.1	116.1	122.8	129.4	134.4	136.1	134.4	139.4	146.0	152.7	162.6
152.5°	117.8	117.8	122.8	129.4	134.4	136.1	136.1	136.1	141.0	147.7	157.6
155°	117.8	119.5	122.8	132.7	136.1	137.7	137.7	137.7	136.1	142.7	151.0
157.5°	122.8	124.4	126.1	134.4	137.7	139.4	139.4	139.4	137.7	136.1	144.4
160°	127.8	129.4	131.1	137.7	141.0	142.7	142.7	142.7	139.4	137.7	137.7
162.5°	132.7	136.1	136.1	139.4	142.7	144.4	144.4	146.0	142.7	141.0	139.4
165°	139.4	141.0	141.0	142.7	146.0	147.7	146.0	147.7	146.0	144.4	142.7
167.5°	144.4	146.0	146.0	147.7	147.7	149.3	149.3	149.3	147.7	146.0	146.0
170°	149.3	151.0	151.0	151.0	151.0	151.0	151.0	151.0	149.3	146.0	146.0
172.5°	152.7	154.3	154.3	152.7	152.7	152.7	152.7	151.0	147.7	146.0	146.0
175°	154.3	156.0	156.0	154.3	152.7	152.7	152.7	151.0	147.7	146.0	146.0
177.5°	156.0	157.6	156.0	156.0	152.7	152.7	152.7	152.7	149.3	147.7	146.0
180°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9	1743.9
2.5°	1742.2	1722.3	1735.6	1737.3	1743.9	1737.3	1742.2	1737.3	1750.5	1745.6
5°	1735.6	1717.4	1729.0	1730.6	1738.9	1730.6	1738.9	1735.6	1752.2	1747.2
7.5°	1724.0	1709.1	1719.0	1720.7	1730.6	1722.3	1730.6	1727.3	1747.2	1740.6
10°	1707.4	1695.8	1705.7	1707.4	1717.4	1709.1	1715.7	1712.4	1734.0	1724.0
12.5°	1689.2	1679.2	1687.5	1689.2	1700.8	1692.5	1700.8	1697.4	1719.0	1709.1
15°	1662.6	1657.6	1665.9	1669.2	1680.9	1674.2	1682.5	1679.2	1702.4	1689.2
17.5°	1636.1	1632.7	1641.0	1644.4	1657.6	1649.3	1657.6	1654.3	1677.5	1664.3
20°	1602.9	1601.2	1609.5	1614.5	1626.1	1617.8	1627.8	1624.4	1649.3	1636.1
22.5°	1568.0	1568.0	1574.7	1579.6	1591.3	1584.6	1594.6	1592.9	1617.8	1604.5
25°	1529.9	1531.5	1538.2	1544.8	1558.1	1553.1	1561.4	1561.4	1584.6	1568.0
27.5°	1486.7	1495.0	1500.0	1508.3	1519.9	1514.9	1523.2	1524.9	1548.1	1531.5
30°	1441.9	1453.5	1458.5	1468.5	1478.4	1478.4	1486.7	1490.0	1513.3	1496.7
32.5°	1395.5	1408.7	1415.4	1428.6	1441.9	1441.9	1453.5	1458.5	1481.7	1466.8
35°	1349.0	1367.3	1375.5	1392.1	1405.4	1407.1	1418.7	1425.3	1448.6	1433.6
37.5°	1304.2	1327.4	1335.7	1355.6	1367.3	1370.6	1383.8	1392.1	1413.7	1400.4
40°	1257.7	1285.9	1295.9	1317.5	1327.4	1334.1	1347.3	1357.3	1377.2	1365.6
42.5°	1212.9	1244.5	1254.4	1277.6	1289.3	1295.9	1309.2	1322.4	1342.4	1330.7
45°	1168.1	1203.0	1214.6	1239.5	1249.4	1259.4	1274.3	1285.9	1304.2	1294.2
47.5°	1125.0	1161.5	1173.1	1199.7	1211.3	1222.9	1236.2	1252.8	1269.4	1259.4
50°	1080.2	1118.4	1133.3	1161.5	1171.5	1184.7	1201.3	1216.3	1232.8	1224.6
52.5°	1037.1	1076.9	1091.8	1121.7	1133.3	1146.6	1163.2	1179.8	1194.7	1188.0
55°	990.6	1033.7	1050.3	1081.9	1093.5	1106.7	1125.0	1143.2	1156.5	1151.5
57.5°	947.5	992.3	1008.8	1043.7	1053.6	1070.2	1088.5	1108.4	1120.0	1115.0
60°	904.3	949.1	969.0	1003.9	1015.5	1032.1	1050.3	1071.9	1081.9	1078.5
62.5°	861.2	907.6	929.2	965.7	975.7	993.9	1015.5	1033.7	1043.7	1042.0
65°	821.3	866.1	891.0	927.5	937.5	957.4	977.3	997.2	1007.2	1007.2
67.5°	779.9	828.0	852.9	891.0	899.3	920.9	942.5	962.4	970.7	970.7
70°	741.7	788.2	816.4	854.5	862.8	882.7	906.0	927.5	934.2	935.8
72.5°	703.5	750.0	779.9	819.7	828.0	847.9	869.5	892.7	897.7	899.3
75°	667.0	713.5	743.4	783.2	791.5	811.4	834.6	856.2	862.8	864.5
77.5°	630.5	677.0	710.2	748.3	756.6	776.5	799.8	821.3	826.3	829.6
80°	597.3	642.1	673.7	715.2	723.4	743.4	764.9	786.5	789.8	794.8
82.5°	564.2	609.0	642.1	682.0	690.3	710.2	731.7	753.3	756.6	763.3
85°	532.6	577.4	610.6	648.8	658.7	677.0	700.2	720.1	723.4	728.4
87.5°	504.4	545.9	580.7	617.3	627.2	645.5	668.7	688.6	690.3	696.9
90°	474.6	516.0	550.9	587.4	597.3	613.9	637.2	657.1	660.4	665.4
92.5°	449.7	487.8	524.3	559.2	567.5	585.7	607.3	627.2	630.5	635.5
95°	423.1	461.3	497.8	531.0	539.3	557.5	577.4	597.3	600.7	605.6
97.5°	399.9	436.4	471.2	504.4	512.7	529.3	550.9	569.1	572.5	579.1
100°	378.3	413.2	449.7	479.5	487.8	504.4	524.3	542.6	545.9	552.5
102.5°	358.4	391.6	426.4	454.6	464.6	479.5	499.4	516.0	519.4	524.3
105°	340.2	371.7	404.9	431.4	441.4	456.3	474.6	491.1	494.5	499.4
107.5°	321.9	351.8	383.3	409.8	418.1	431.4	449.7	466.3	469.6	476.2
110°	305.3	335.2	365.0	389.9	399.9	409.8	428.1	443.0	446.3	451.3



TEST NUMBER: P895528

CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	290.4	316.9	346.8	370.0	378.3	389.9	404.9	419.8	423.1	429.8
115°	277.1	302.0	331.9	353.4	360.1	370.0	386.6	399.9	403.2	408.2
117.5°	265.5	287.1	313.6	335.2	343.5	351.8	366.7	378.3	383.3	386.6
120°	255.5	275.4	298.7	318.6	328.5	335.2	348.4	360.1	365.0	368.4
122.5°	245.6	263.8	285.4	303.6	311.9	316.9	331.9	341.8	346.8	351.8
125°	237.3	253.9	273.8	288.7	297.0	302.0	315.3	325.2	330.2	333.5
127.5°	229.0	243.9	263.8	275.4	283.7	287.1	298.7	308.6	313.6	315.3
130°	220.7	235.6	252.2	263.8	270.5	275.4	285.4	292.0	297.0	298.7
132.5°	214.0	227.3	242.3	253.9	260.5	262.2	272.1	278.8	283.7	285.4
135°	209.1	219.0	234.0	243.9	248.9	252.2	260.5	265.5	270.5	272.1
137.5°	202.4	212.4	225.7	232.3	238.9	240.6	248.9	253.9	258.8	260.5
140°	197.5	205.8	217.4	224.0	230.6	230.6	237.3	242.3	247.2	247.2
142.5°	192.5	200.8	210.7	217.4	222.3	222.3	229.0	232.3	237.3	237.3
145°	185.8	194.1	204.1	209.1	214.0	214.0	219.0	222.3	227.3	227.3
147.5°	179.2	187.5	197.5	200.8	205.8	205.8	210.7	214.0	217.4	217.4
150°	170.9	177.5	189.2	194.1	199.1	199.1	202.4	205.8	209.1	209.1
152.5°	164.3	169.2	179.2	185.8	190.8	190.8	194.1	197.5	200.8	200.8
155°	156.0	161.0	169.2	177.5	182.5	184.2	187.5	189.2	192.5	192.5
157.5°	149.3	154.3	161.0	167.6	172.6	175.9	180.9	182.5	184.2	184.2
160°	141.0	144.4	151.0	157.6	162.6	165.9	174.2	175.9	177.5	177.5
162.5°	137.7	137.7	141.0	146.0	151.0	152.7	161.0	167.6	170.9	169.2
165°	139.4	137.7	137.7	139.4	142.7	144.4	149.3	159.3	162.6	161.0
167.5°	142.7	139.4	137.7	137.7	141.0	141.0	146.0	154.3	164.3	161.0
170°	142.7	137.7	134.4	134.4	136.1	136.1	139.4	144.4	154.3	156.0
172.5°	141.0	137.7	132.7	126.1	127.8	126.1	124.4	127.8	129.4	146.0
175°	142.7	137.7	132.7	124.4	121.1	116.1	107.9	101.2	99.6	81.3
177.5°	141.0	136.1	129.4	122.8	119.5	112.8	102.9	91.3	84.6	74.7
180°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4



TEST NUMBER: P895528
 CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-MID-5000K

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	13.29	14.60	13.93	15.26	16.03	16.91	18.22	17.55	18.89	19.66
	3H	14.63	15.83	15.29	16.51	17.31	19.87	21.06	20.52	21.74	22.54
	4H	15.04	16.18	15.71	16.86	17.68	21.37	22.51	22.05	23.20	24.01
	6H	15.25	16.32	15.94	17.01	17.84	22.98	24.04	23.67	24.74	25.57
	8H	15.29	16.30	15.98	17.02	17.86	23.83	24.85	24.53	25.57	26.40
	12H	15.29	16.27	15.99	16.98	17.84	24.78	25.75	25.48	26.47	27.33
4H	2H	14.45	15.58	15.12	16.27	17.09	17.23	18.37	17.90	19.05	19.87
	3H	16.09	17.06	16.77	17.79	18.62	20.41	21.39	21.10	22.11	22.94
	4H	16.65	17.55	17.36	18.28	19.14	22.09	22.99	22.79	23.72	24.58
	6H	16.99	17.79	17.72	18.54	19.41	23.91	24.71	24.63	25.46	26.32
	8H	17.07	17.82	17.79	18.57	19.45	24.88	25.64	25.61	26.38	27.27
	12H	17.09	17.78	17.84	18.55	19.44	25.97	26.65	26.72	27.42	28.31
8H	4H	17.76	18.51	18.49	19.26	20.14	22.26	23.01	22.99	23.76	24.64
	6H	18.37	19.01	19.12	19.80	20.68	24.26	24.90	25.01	25.68	26.57
	8H	18.57	19.14	19.33	19.93	20.83	25.38	25.95	26.14	26.74	27.64
	12H	18.68	19.19	19.45	19.97	20.93	26.65	27.17	27.42	27.95	28.90
12H	4H	18.13	18.81	18.87	19.58	20.47	22.25	22.94	23.00	23.71	24.60
	6H	18.90	19.48	19.67	20.27	21.17	24.29	24.86	25.05	25.65	26.55
	8H	19.23	19.75	20.00	20.53	21.48	25.47	25.98	26.24	26.76	27.72