

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: P895526

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC93-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895526
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-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 35
CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

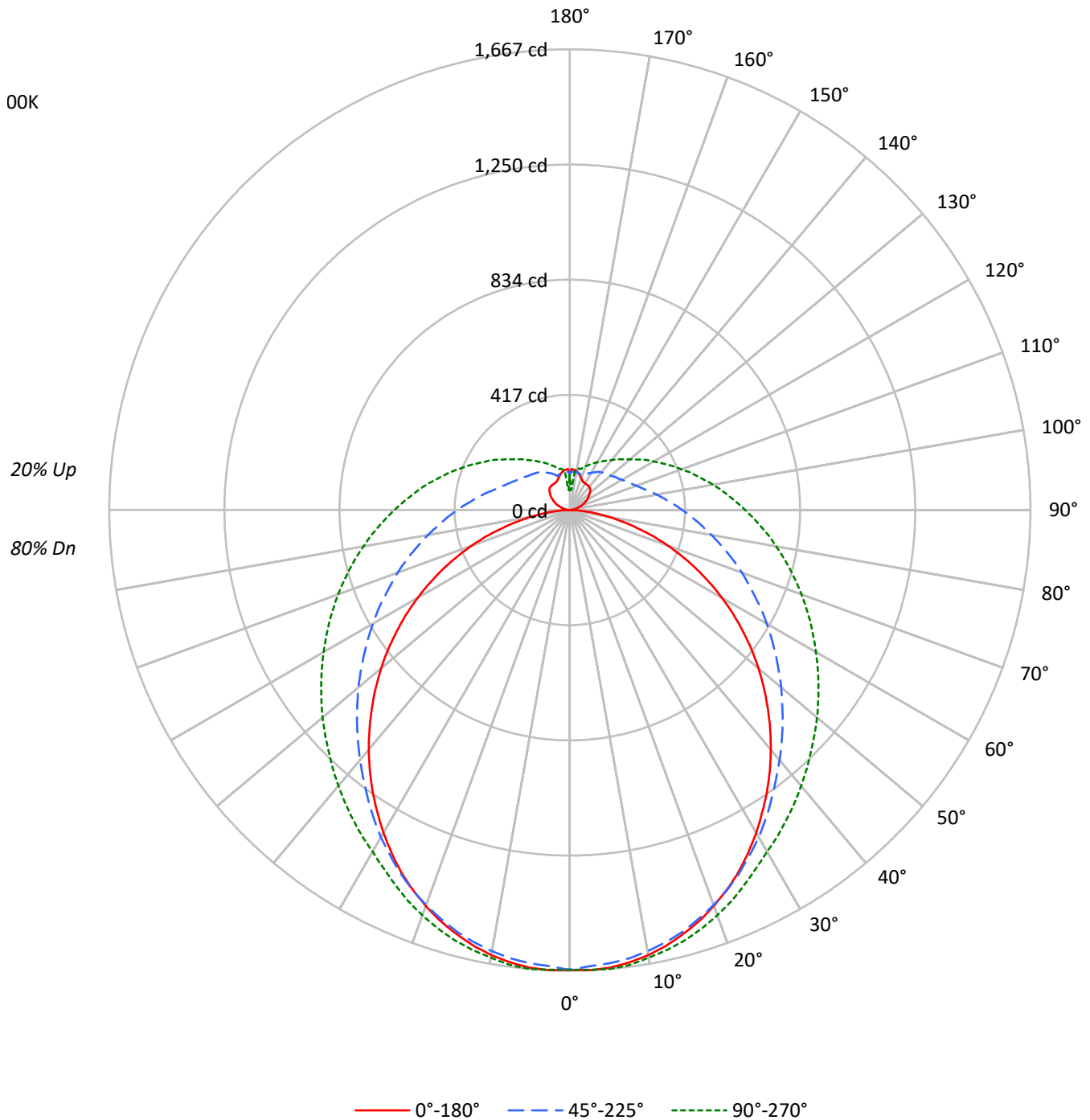
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6997.0 lumens
Efficiency: N/A
Efficacy: 104.6 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

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Luminous Intensity Polar Plot





TEST NUMBER: P895526

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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°	5902	5902	5902
5°	5906	5662	5665
10°	5864	5449	5403
15°	5791	5233	5161
20°	5701	5004	4913
25°	5589	4773	4664
30°	5443	4539	4444
35°	5292	4298	4281
40°	5129	4080	4133
45°	4954	3887	4002
50°	4770	3716	3901
55°	4559	3558	3812
60°	4320	3430	3746
65°	4027	3318	3709
70°	3662	3253	3696
75°	3164	3210	3713
80°	2563	3222	3772
85°	1787	3325	3895

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4954 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	2.2
10°-20°	448.8	6.4
20°-30°	673.8	9.6
30°-40°	810.2	11.6
40°-50°	858.5	12.3
50°-60°	826.7	11.8
60°-70°	731.7	10.5
70°-80°	600.1	8.6
80°-90°	465.7	6.7
90°-100°	361.4	5.2
100°-110°	286.4	4.1
110°-120°	228.1	3.3
120°-130°	181.2	2.6
130°-140°	141.5	2.0
140°-150°	104.2	1.5
150°-160°	68.9	1.0
160°-170°	39.6	0.6
170°-180°	12.7	0.2
0°-30°	1280.0	18.3
0°-40°	2090.2	29.9
0°-60°	3775.4	54.0
0°-90°	5572.9	79.6
90°-120°	875.9	12.5
90°-150°	1302.8	18.6
90°-180°	1424.0	20.4
0°-180°	6997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1662	1664	1646	1659	1667	158
15°	1588	1589	1580	1603	1611	448
25°	1445	1450	1450	1486	1496	665
35°	1244	1260	1274	1341	1368	778
45°	1013	1037	1089	1192	1235	782
55°	764	802	908	1043	1098	684
65°	506	576	739	894	961	501
75°	253	380	589	755	825	271
85°	57	230	461	628	695	65
90°	2	180	407	570	635	4
95°	8	149	359	514	578	8
105°	28	120	283	421	476	30
115°	57	116	236	344	389	56
125°	82	120	206	283	318	73
135°	104	128	185	237	260	80
145°	111	127	168	204	217	69
155°	112	131	144	174	184	53
165°	133	141	136	136	154	37
175°	147	146	139	116	78	14
180°	128	128	128	128	128	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5
2.5°	1666.7	1665.1	1668.3	1671.5	1681.0	1668.3	1674.6	1657.2	1658.8	1660.4	1652.5
5°	1662.0	1657.2	1662.0	1665.1	1673.0	1663.5	1669.9	1650.9	1652.5	1655.6	1646.1
7.5°	1650.9	1646.1	1649.3	1652.5	1660.4	1650.9	1658.8	1639.8	1643.0	1644.6	1636.6
10°	1635.1	1628.7	1631.9	1636.6	1643.0	1635.1	1641.4	1624.0	1625.6	1628.7	1620.8
12.5°	1614.5	1608.1	1611.3	1614.5	1622.4	1614.5	1620.8	1603.4	1606.6	1609.7	1601.8
15°	1587.6	1581.2	1584.4	1587.6	1593.9	1589.2	1595.5	1578.1	1581.2	1587.6	1579.7
17.5°	1559.1	1549.6	1552.8	1557.5	1563.8	1560.7	1565.4	1551.2	1552.8	1559.1	1551.2
20°	1524.3	1514.8	1517.9	1522.7	1529.0	1527.4	1530.6	1517.9	1521.1	1529.0	1521.1
22.5°	1486.3	1476.8	1479.9	1486.3	1491.0	1491.0	1492.6	1483.1	1486.3	1494.2	1487.9
25°	1445.1	1435.6	1438.8	1445.1	1449.9	1449.9	1453.0	1443.5	1448.3	1456.2	1449.9
27.5°	1397.6	1392.9	1392.9	1399.2	1402.4	1405.5	1407.1	1399.2	1405.5	1413.5	1408.7
30°	1348.6	1342.2	1345.4	1353.3	1353.3	1359.6	1359.6	1353.3	1361.2	1370.7	1367.6
32.5°	1296.3	1291.6	1293.2	1302.7	1302.7	1310.6	1309.0	1305.8	1313.7	1324.8	1321.7
35°	1244.1	1239.4	1240.9	1250.4	1250.4	1259.9	1256.8	1256.8	1264.7	1277.3	1274.2
37.5°	1188.7	1185.5	1187.1	1196.6	1196.6	1206.1	1202.9	1204.5	1214.0	1228.3	1226.7
40°	1131.7	1128.6	1131.7	1139.6	1142.8	1150.7	1147.5	1150.7	1163.4	1176.0	1180.8
42.5°	1073.2	1071.6	1074.7	1082.7	1085.8	1093.7	1092.1	1096.9	1109.6	1128.6	1134.9
45°	1013.0	1013.0	1016.2	1024.1	1027.3	1036.7	1035.2	1041.5	1057.3	1077.9	1089.0
47.5°	952.9	954.4	956.0	965.5	965.5	981.4	976.6	986.1	1006.7	1030.4	1043.1
50°	891.1	894.3	895.9	903.8	907.0	921.2	918.0	933.9	956.0	981.4	998.8
52.5°	829.4	832.6	835.7	842.1	845.2	862.6	859.5	880.1	907.0	933.9	952.9
55°	764.5	770.8	772.4	780.3	785.1	802.5	802.5	826.2	854.7	884.8	908.5
57.5°	701.2	707.5	709.1	718.6	724.9	745.5	748.7	775.6	807.2	837.3	865.8
60°	636.3	644.2	645.8	655.3	666.4	688.5	693.3	723.4	758.2	789.8	823.1
62.5°	571.4	579.3	582.5	592.0	609.4	631.5	639.5	674.3	710.7	745.5	781.9
65°	506.5	514.4	519.2	531.8	552.4	576.1	587.2	623.6	664.8	701.2	739.2
67.5°	441.6	451.1	457.4	473.3	500.2	525.5	536.6	577.7	620.5	660.0	699.6
70°	378.3	387.8	395.7	416.3	447.9	473.3	487.5	531.8	576.1	618.9	663.2
72.5°	316.6	326.1	337.1	362.5	397.3	425.8	441.6	487.5	536.6	579.3	625.2
75°	253.3	264.3	277.0	311.8	351.4	379.9	397.3	446.4	497.0	539.7	588.8
77.5°	196.3	207.3	226.3	261.2	305.5	337.1	356.1	408.4	460.6	503.3	554.0
80°	144.0	155.1	180.4	218.4	264.3	294.4	318.1	372.0	425.8	470.1	520.7
82.5°	98.1	109.2	139.3	180.4	229.5	259.6	281.7	338.7	392.5	438.4	489.1
85°	57.0	72.8	104.5	148.8	199.4	229.5	251.7	310.2	362.5	408.4	460.6
87.5°	25.3	44.3	79.1	123.5	174.1	202.6	226.3	280.2	335.6	381.5	433.7
90°	1.6	25.3	61.7	104.5	153.5	180.4	202.6	256.4	308.7	356.1	406.8
92.5°	3.2	17.4	50.7	90.2	136.1	163.0	185.2	235.8	284.9	334.0	383.0
95°	7.9	17.4	44.3	80.7	123.5	148.8	169.4	218.4	264.3	311.8	359.3
97.5°	12.7	19.0	42.7	76.0	114.0	137.7	156.7	202.6	248.5	291.2	338.7
100°	17.4	23.7	42.7	72.8	107.6	129.8	147.2	189.9	232.7	272.2	319.7
102.5°	22.2	28.5	45.9	72.8	104.5	123.5	140.9	180.4	220.0	256.4	300.7
105°	28.5	33.2	49.1	72.8	101.3	120.3	134.5	170.9	208.9	243.8	283.3
107.5°	34.8	38.0	52.2	74.4	101.3	117.1	131.4	164.6	199.4	231.1	269.1
110°	42.7	44.3	57.0	77.6	101.3	115.5	128.2	159.9	191.5	221.6	256.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	49.1	49.1	61.7	80.7	101.3	115.5	126.6	155.1	185.2	212.1	245.3
115°	57.0	57.0	66.5	83.9	102.9	115.5	126.6	153.5	180.4	204.2	235.8
117.5°	63.3	63.3	72.8	87.1	106.0	117.1	126.6	150.4	175.7	197.9	226.3
120°	69.6	69.6	76.0	90.2	107.6	118.7	126.6	148.8	170.9	193.1	218.4
122.5°	76.0	76.0	80.7	95.0	109.2	118.7	126.6	147.2	167.8	186.8	210.5
125°	82.3	82.3	85.5	98.1	112.4	120.3	128.2	147.2	166.2	182.0	205.8
127.5°	88.6	87.1	91.8	102.9	114.0	121.9	129.8	147.2	163.0	178.9	199.4
130°	93.4	91.8	98.1	106.0	117.1	123.5	129.8	145.6	161.4	175.7	193.1
132.5°	99.7	96.6	104.5	107.6	120.3	126.6	131.4	145.6	159.9	172.5	189.9
135°	104.5	101.3	109.2	112.4	121.9	128.2	133.0	145.6	158.3	170.9	185.2
137.5°	107.6	106.0	114.0	117.1	123.5	129.8	134.5	145.6	156.7	167.8	182.0
140°	109.2	107.6	114.0	120.3	123.5	129.8	133.0	144.0	155.1	164.6	177.3
142.5°	110.8	110.8	115.5	121.9	123.5	128.2	133.0	142.5	152.0	159.9	174.1
145°	110.8	110.8	115.5	123.5	125.0	126.6	129.8	139.3	147.2	155.1	167.8
147.5°	110.8	110.8	117.1	123.5	126.6	128.2	126.6	136.1	144.0	150.4	161.4
150°	110.8	110.8	117.1	123.5	128.2	129.8	128.2	133.0	139.3	145.6	155.1
152.5°	112.4	112.4	117.1	123.5	128.2	129.8	129.8	129.8	134.5	140.9	150.4
155°	112.4	114.0	117.1	126.6	129.8	131.4	131.4	131.4	129.8	136.1	144.0
157.5°	117.1	118.7	120.3	128.2	131.4	133.0	133.0	133.0	131.4	129.8	137.7
160°	121.9	123.5	125.0	131.4	134.5	136.1	136.1	136.1	133.0	131.4	131.4
162.5°	126.6	129.8	129.8	133.0	136.1	137.7	137.7	139.3	136.1	134.5	133.0
165°	133.0	134.5	134.5	136.1	139.3	140.9	139.3	140.9	139.3	137.7	136.1
167.5°	137.7	139.3	139.3	140.9	140.9	142.5	142.5	142.5	140.9	139.3	139.3
170°	142.5	144.0	144.0	144.0	144.0	144.0	144.0	144.0	142.5	139.3	139.3
172.5°	145.6	147.2	147.2	145.6	145.6	145.6	145.6	144.0	140.9	139.3	139.3
175°	147.2	148.8	148.8	147.2	145.6	145.6	145.6	144.0	140.9	139.3	139.3
177.5°	148.8	150.4	148.8	148.8	145.6	145.6	145.6	145.6	142.5	140.9	139.3
180°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5	1663.5
2.5°	1662.0	1643.0	1655.6	1657.2	1663.5	1657.2	1662.0	1657.2	1669.9	1665.1
5°	1655.6	1638.2	1649.3	1650.9	1658.8	1650.9	1658.8	1655.6	1671.5	1666.7
7.5°	1644.6	1630.3	1639.8	1641.4	1650.9	1643.0	1650.9	1647.7	1666.7	1660.4
10°	1628.7	1617.6	1627.1	1628.7	1638.2	1630.3	1636.6	1633.5	1654.1	1644.6
12.5°	1611.3	1601.8	1609.7	1611.3	1622.4	1614.5	1622.4	1619.2	1639.8	1630.3
15°	1586.0	1581.2	1589.2	1592.3	1603.4	1597.1	1605.0	1601.8	1624.0	1611.3
17.5°	1560.7	1557.5	1565.4	1568.6	1581.2	1573.3	1581.2	1578.1	1600.2	1587.6
20°	1529.0	1527.4	1535.3	1540.1	1551.2	1543.3	1552.8	1549.6	1573.3	1560.7
22.5°	1495.8	1495.8	1502.1	1506.8	1517.9	1511.6	1521.1	1519.5	1543.3	1530.6
25°	1459.4	1460.9	1467.3	1473.6	1486.3	1481.5	1489.4	1489.4	1511.6	1495.8
27.5°	1418.2	1426.1	1430.9	1438.8	1449.9	1445.1	1453.0	1454.6	1476.8	1460.9
30°	1375.5	1386.6	1391.3	1400.8	1410.3	1410.3	1418.2	1421.4	1443.5	1427.7
32.5°	1331.2	1343.8	1350.1	1362.8	1375.5	1375.5	1386.6	1391.3	1413.5	1399.2
35°	1286.8	1304.2	1312.2	1328.0	1340.7	1342.2	1353.3	1359.6	1381.8	1367.6
37.5°	1244.1	1266.3	1274.2	1293.2	1304.2	1307.4	1320.1	1328.0	1348.6	1335.9
40°	1199.8	1226.7	1236.2	1256.8	1266.3	1272.6	1285.3	1294.7	1313.7	1302.7
42.5°	1157.0	1187.1	1196.6	1218.8	1229.9	1236.2	1248.8	1261.5	1280.5	1269.4
45°	1114.3	1147.5	1158.6	1182.4	1191.9	1201.4	1215.6	1226.7	1244.1	1234.6
47.5°	1073.2	1108.0	1119.1	1144.4	1155.5	1166.5	1179.2	1195.0	1210.9	1201.4
50°	1030.4	1066.8	1081.1	1108.0	1117.5	1130.1	1146.0	1160.2	1176.0	1168.1
52.5°	989.3	1027.3	1041.5	1070.0	1081.1	1093.7	1109.6	1125.4	1139.6	1133.3
55°	944.9	986.1	1001.9	1032.0	1043.1	1055.7	1073.2	1090.6	1103.2	1098.5
57.5°	903.8	946.5	962.4	995.6	1005.1	1020.9	1038.3	1057.3	1068.4	1063.7
60°	862.6	905.4	924.4	957.6	968.7	984.5	1001.9	1022.5	1032.0	1028.8
62.5°	821.5	865.8	886.4	921.2	930.7	948.1	968.7	986.1	995.6	994.0
65°	783.5	826.2	850.0	884.8	894.3	913.3	932.3	951.3	960.8	960.8
67.5°	743.9	789.8	813.6	850.0	857.9	878.5	899.0	918.0	926.0	926.0
70°	707.5	751.8	778.7	815.2	823.1	842.1	864.2	884.8	891.1	892.7
72.5°	671.1	715.4	743.9	781.9	789.8	808.8	829.4	851.6	856.3	857.9
75°	636.3	680.6	709.1	747.1	755.0	774.0	796.2	816.7	823.1	824.7
77.5°	601.5	645.8	677.4	713.9	721.8	740.8	762.9	783.5	788.2	791.4
80°	569.8	612.6	642.6	682.2	690.1	709.1	729.7	750.3	753.4	758.2
82.5°	538.2	580.9	612.6	650.5	658.5	677.4	698.0	718.6	721.8	728.1
85°	508.1	550.8	582.5	618.9	628.4	645.8	668.0	686.9	690.1	694.9
87.5°	481.2	520.7	554.0	588.8	598.3	615.7	637.9	656.9	658.5	664.8
90°	452.7	492.3	525.5	560.3	569.8	585.6	607.8	626.8	630.0	634.7
92.5°	428.9	465.4	500.2	533.4	541.3	558.7	579.3	598.3	601.5	606.2
95°	403.6	440.0	474.8	506.5	514.4	531.8	550.8	569.8	573.0	577.7
97.5°	381.5	416.3	449.5	481.2	489.1	504.9	525.5	542.9	546.1	552.4
100°	360.9	394.1	428.9	457.4	465.4	481.2	500.2	517.6	520.7	527.1
102.5°	341.9	373.5	406.8	433.7	443.2	457.4	476.4	492.3	495.4	500.2
105°	324.5	354.6	386.2	411.5	421.0	435.3	452.7	468.5	471.7	476.4
107.5°	307.1	335.6	365.6	391.0	398.9	411.5	428.9	444.8	447.9	454.3
110°	291.2	319.7	348.2	372.0	381.5	391.0	408.4	422.6	425.8	430.5



TEST NUMBER: P895526

CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	277.0	302.3	330.8	353.0	360.9	372.0	386.2	400.5	403.6	410.0
115°	264.3	288.1	316.6	337.1	343.5	353.0	368.8	381.5	384.6	389.4
117.5°	253.3	273.8	299.2	319.7	327.6	335.6	349.8	360.9	365.6	368.8
120°	243.8	262.7	284.9	303.9	313.4	319.7	332.4	343.5	348.2	351.4
122.5°	234.3	251.7	272.2	289.7	297.6	302.3	316.6	326.1	330.8	335.6
125°	226.3	242.2	261.2	275.4	283.3	288.1	300.7	310.2	315.0	318.1
127.5°	218.4	232.7	251.7	262.7	270.7	273.8	284.9	294.4	299.2	300.7
130°	210.5	224.8	240.6	251.7	258.0	262.7	272.2	278.6	283.3	284.9
132.5°	204.2	216.8	231.1	242.2	248.5	250.1	259.6	265.9	270.7	272.2
135°	199.4	208.9	223.2	232.7	237.4	240.6	248.5	253.3	258.0	259.6
137.5°	193.1	202.6	215.3	221.6	227.9	229.5	237.4	242.2	246.9	248.5
140°	188.4	196.3	207.3	213.7	220.0	220.0	226.3	231.1	235.8	235.8
142.5°	183.6	191.5	201.0	207.3	212.1	212.1	218.4	221.6	226.3	226.3
145°	177.3	185.2	194.7	199.4	204.2	204.2	208.9	212.1	216.8	216.8
147.5°	170.9	178.9	188.4	191.5	196.3	196.3	201.0	204.2	207.3	207.3
150°	163.0	169.4	180.4	185.2	189.9	189.9	193.1	196.3	199.4	199.4
152.5°	156.7	161.4	170.9	177.3	182.0	182.0	185.2	188.4	191.5	191.5
155°	148.8	153.5	161.4	169.4	174.1	175.7	178.9	180.4	183.6	183.6
157.5°	142.5	147.2	153.5	159.9	164.6	167.8	172.5	174.1	175.7	175.7
160°	134.5	137.7	144.0	150.4	155.1	158.3	166.2	167.8	169.4	169.4
162.5°	131.4	131.4	134.5	139.3	144.0	145.6	153.5	159.9	163.0	161.4
165°	133.0	131.4	131.4	133.0	136.1	137.7	142.5	152.0	155.1	153.5
167.5°	136.1	133.0	131.4	131.4	134.5	134.5	139.3	147.2	156.7	153.5
170°	136.1	131.4	128.2	128.2	129.8	129.8	133.0	137.7	147.2	148.8
172.5°	134.5	131.4	126.6	120.3	121.9	120.3	118.7	121.9	123.5	139.3
175°	136.1	131.4	126.6	118.7	115.5	110.8	102.9	96.6	95.0	77.6
177.5°	134.5	129.8	123.5	117.1	114.0	107.6	98.1	87.1	80.7	71.2
180°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2



TEST NUMBER: P895526
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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	13.12	14.43	13.77	15.10	15.87	16.75	18.06	17.39	18.72	19.49
	3H	14.47	15.67	15.13	16.34	17.15	19.70	20.90	20.36	21.57	22.38
	4H	14.87	16.01	15.55	16.70	17.51	21.21	22.35	21.88	23.03	23.85
	6H	15.09	16.15	15.78	16.85	17.68	22.82	23.88	23.50	24.58	25.41
	8H	15.12	16.14	15.82	16.86	17.69	23.67	24.69	24.37	25.41	26.24
	12H	15.13	16.10	15.83	16.81	17.68	24.61	25.59	25.32	26.30	27.17
4H	2H	14.28	15.42	14.96	16.11	16.92	17.06	18.20	17.74	18.89	19.70
	3H	15.92	16.90	16.61	17.62	18.45	20.25	21.22	20.93	21.95	22.78
	4H	16.49	17.39	17.19	18.12	18.98	21.93	22.83	22.63	23.55	24.41
	6H	16.83	17.63	17.55	18.38	19.25	23.75	24.54	24.47	25.29	26.16
	8H	16.90	17.65	17.63	18.40	19.28	24.72	25.47	25.45	26.22	27.10
	12H	16.93	17.61	17.68	18.38	19.27	25.81	26.49	26.55	27.26	28.15
8H	4H	17.60	18.35	18.32	19.09	19.98	22.10	22.85	22.82	23.59	24.48
	6H	18.20	18.85	18.96	19.63	20.52	24.09	24.73	24.85	25.52	26.40
	8H	18.40	18.98	19.17	19.77	20.67	25.21	25.79	25.98	26.58	27.48
	12H	18.51	19.03	19.28	19.81	20.77	26.49	27.01	27.26	27.79	28.74
12H	4H	17.96	18.65	18.71	19.42	20.31	22.09	22.78	22.84	23.54	24.43
	6H	18.74	19.32	19.51	20.11	21.01	24.12	24.70	24.89	25.49	26.39
	8H	19.07	19.59	19.84	20.37	21.32	25.30	25.82	26.07	26.60	27.55