

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: P895527

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC93-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895527
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-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 40
CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

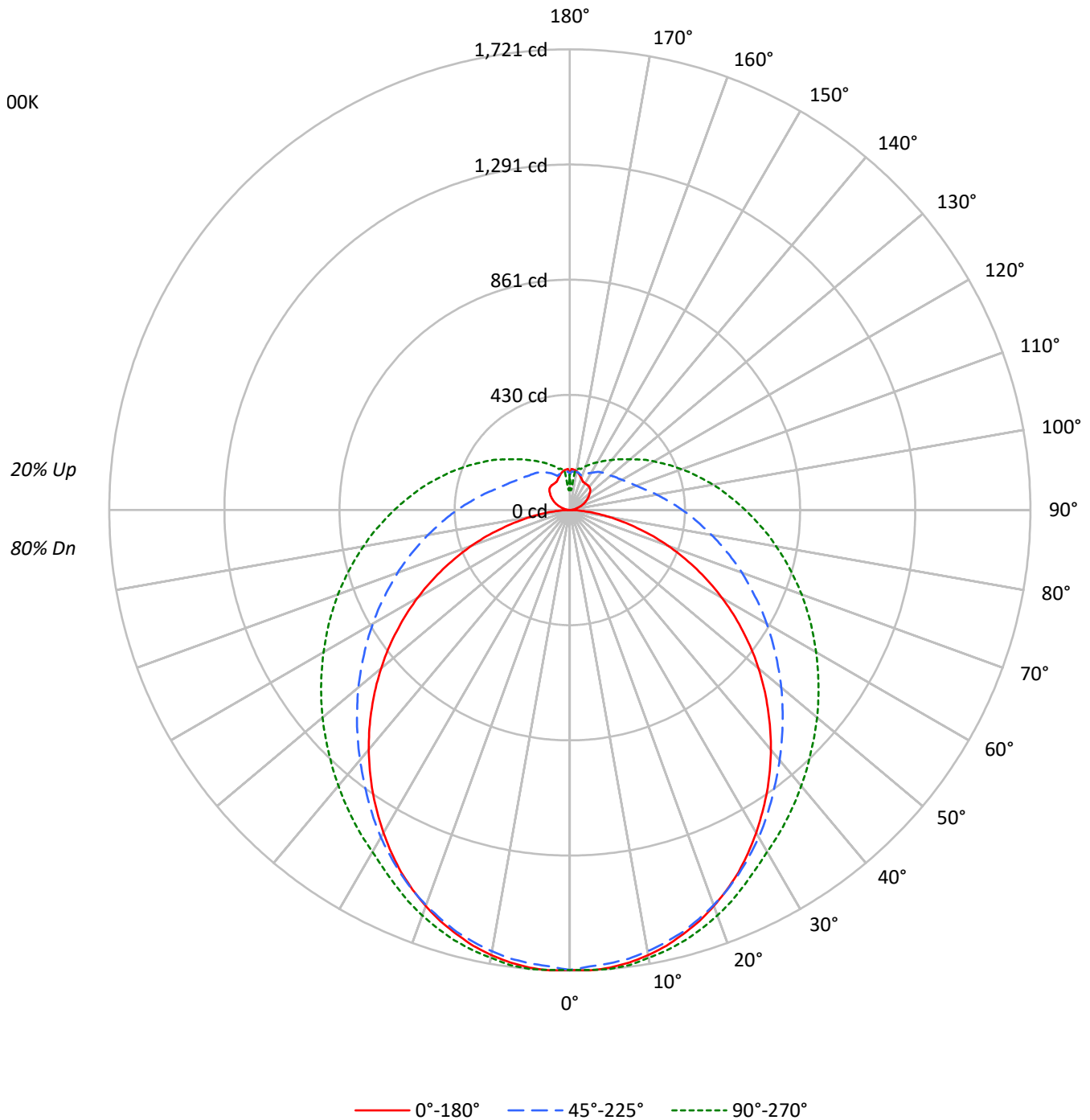
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7226.0 lumens
Efficiency: N/A
Efficacy: 108.0 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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	6096	6096	6096
5°	6099	5847	5850
10°	6056	5628	5580
15°	5981	5405	5330
20°	5888	5168	5074
25°	5772	4929	4817
30°	5621	4688	4589
35°	5465	4438	4421
40°	5298	4213	4269
45°	5116	4014	4133
50°	4927	3837	4029
55°	4708	3674	3937
60°	4461	3542	3868
65°	4159	3427	3830
70°	3782	3359	3817
75°	3267	3315	3834
80°	2648	3328	3895
85°	1844	3434	4022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5116 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	2.2
10°-20°	463.5	6.4
20°-30°	695.9	9.6
30°-40°	836.8	11.6
40°-50°	886.6	12.3
50°-60°	853.8	11.8
60°-70°	755.6	10.5
70°-80°	619.8	8.6
80°-90°	480.9	6.7
90°-100°	373.3	5.2
100°-110°	295.8	4.1
110°-120°	235.6	3.3
120°-130°	187.2	2.6
130°-140°	146.1	2.0
140°-150°	107.6	1.5
150°-160°	71.1	1.0
160°-170°	40.9	0.6
170°-180°	13.2	0.2
0°-30°	1321.9	18.3
0°-40°	2158.6	29.9
0°-60°	3899.0	54.0
0°-90°	5755.3	79.6
90°-120°	904.6	12.5
90°-150°	1345.5	18.6
90°-180°	1471.0	20.4
0°-180°	7226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1718	1718	1718	1718	1718	
5°	1716	1718	1700	1713	1721	163
15°	1640	1641	1631	1656	1664	462
25°	1492	1497	1497	1535	1545	687
35°	1285	1301	1316	1384	1412	803
45°	1046	1071	1125	1231	1275	807
55°	790	829	938	1077	1134	706
65°	523	595	763	924	992	518
75°	262	392	608	780	852	280
85°	59	237	476	649	718	67
90°	2	186	420	588	656	4
95°	8	154	371	531	597	9
105°	29	124	293	435	492	31
115°	59	119	244	355	402	58
125°	85	124	212	293	329	76
135°	108	132	191	245	268	82
145°	114	131	173	211	224	72
155°	116	136	149	180	190	55
165°	137	146	141	141	159	38
175°	152	150	144	119	80	14
180°	132	132	132	132	132	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0
2.5°	1721.3	1719.6	1722.9	1726.2	1736.0	1722.9	1729.4	1711.5	1713.1	1714.7	1706.6
5°	1716.4	1711.5	1716.4	1719.6	1727.8	1718.0	1724.5	1704.9	1706.6	1709.8	1700.0
7.5°	1704.9	1700.0	1703.3	1706.6	1714.7	1704.9	1713.1	1693.5	1696.7	1698.4	1690.2
10°	1688.6	1682.0	1685.3	1690.2	1696.7	1688.6	1695.1	1677.1	1678.8	1682.0	1673.9
12.5°	1667.3	1660.8	1664.1	1667.3	1675.5	1667.3	1673.9	1655.9	1659.1	1662.4	1654.2
15°	1639.5	1633.0	1636.3	1639.5	1646.1	1641.2	1647.7	1629.7	1633.0	1639.5	1631.4
17.5°	1610.1	1600.3	1603.6	1608.5	1615.0	1611.7	1616.6	1601.9	1603.6	1610.1	1601.9
20°	1574.1	1564.3	1567.6	1572.5	1579.0	1577.4	1580.7	1567.6	1570.9	1579.0	1570.9
22.5°	1534.9	1525.1	1528.4	1534.9	1539.8	1539.8	1541.5	1531.6	1534.9	1543.1	1536.5
25°	1492.4	1482.6	1485.9	1492.4	1497.3	1497.3	1500.6	1490.8	1495.7	1503.9	1497.3
27.5°	1443.4	1438.5	1438.5	1445.0	1448.3	1451.5	1453.2	1445.0	1451.5	1459.7	1454.8
30°	1392.7	1386.2	1389.4	1397.6	1397.6	1404.1	1404.1	1397.6	1405.8	1415.6	1412.3
32.5°	1338.8	1333.9	1335.5	1345.3	1345.3	1353.5	1351.8	1348.6	1356.7	1368.2	1364.9
35°	1284.8	1279.9	1281.5	1291.4	1291.4	1301.2	1297.9	1297.9	1306.1	1319.1	1315.9
37.5°	1227.6	1224.3	1226.0	1235.8	1235.8	1245.6	1242.3	1244.0	1253.8	1268.5	1266.8
40°	1168.8	1165.5	1168.8	1176.9	1180.2	1188.4	1185.1	1188.4	1201.5	1214.5	1219.4
42.5°	1108.3	1106.6	1109.9	1118.1	1121.4	1129.5	1127.9	1132.8	1145.9	1165.5	1172.0
45°	1046.2	1046.2	1049.4	1057.6	1060.9	1070.7	1069.0	1075.6	1091.9	1113.2	1124.6
47.5°	984.0	985.7	987.3	997.1	997.1	1013.5	1008.6	1018.4	1039.6	1064.1	1077.2
50°	920.3	923.6	925.2	933.4	936.6	951.4	948.1	964.4	987.3	1013.5	1031.4
52.5°	856.5	859.8	863.1	869.6	872.9	890.9	887.6	908.9	936.6	964.4	984.0
55°	789.5	796.1	797.7	805.9	810.8	828.8	828.8	853.3	882.7	913.8	938.3
57.5°	724.1	730.7	732.3	742.1	748.7	769.9	773.2	801.0	833.7	864.7	894.1
60°	657.1	665.3	666.9	676.7	688.2	711.1	716.0	747.0	783.0	815.7	850.0
62.5°	590.1	598.3	601.5	611.4	629.3	652.2	660.4	696.4	733.9	769.9	807.5
65°	523.1	531.3	536.2	549.2	570.5	595.0	606.4	644.0	686.5	724.1	763.4
67.5°	456.1	465.9	472.4	488.8	516.5	542.7	554.1	596.6	640.8	681.6	722.5
70°	390.7	400.5	408.7	429.9	462.6	488.8	503.5	549.2	595.0	639.1	684.9
72.5°	326.9	336.7	348.2	374.3	410.3	439.7	456.1	503.5	554.1	598.3	645.7
75°	261.5	273.0	286.1	322.0	362.9	392.3	410.3	461.0	513.3	557.4	608.1
77.5°	202.7	214.1	233.8	269.7	315.5	348.2	367.8	421.7	475.7	519.8	572.1
80°	148.8	160.2	186.3	225.6	273.0	304.0	328.6	384.1	439.7	485.5	537.8
82.5°	101.3	112.8	143.8	186.3	237.0	268.1	291.0	349.8	405.4	452.8	505.1
85°	58.8	75.2	107.9	153.7	206.0	237.0	259.9	320.4	374.3	421.7	475.7
87.5°	26.2	45.8	81.7	127.5	179.8	209.2	233.8	289.3	346.5	393.9	447.9
90°	1.6	26.2	63.8	107.9	158.6	186.3	209.2	264.8	318.8	367.8	420.1
92.5°	3.3	18.0	52.3	93.2	140.6	168.4	191.3	243.6	294.2	344.9	395.6
95°	8.2	18.0	45.8	83.4	127.5	153.7	174.9	225.6	273.0	322.0	371.1
97.5°	13.1	19.6	44.1	78.5	117.7	142.2	161.8	209.2	256.6	300.8	349.8
100°	18.0	24.5	44.1	75.2	111.2	134.0	152.0	196.2	240.3	281.2	330.2
102.5°	22.9	29.4	47.4	75.2	107.9	127.5	145.5	186.3	227.2	264.8	310.6
105°	29.4	34.3	50.7	75.2	104.6	124.2	138.9	176.5	215.8	251.7	292.6
107.5°	36.0	39.2	53.9	76.8	104.6	121.0	135.7	170.0	206.0	238.7	277.9
110°	44.1	45.8	58.8	80.1	104.6	119.3	132.4	165.1	197.8	228.8	264.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	50.7	50.7	63.8	83.4	104.6	119.3	130.8	160.2	191.3	219.0	253.4
115°	58.8	58.8	68.7	86.6	106.3	119.3	130.8	158.6	186.3	210.9	243.6
117.5°	65.4	65.4	75.2	89.9	109.5	121.0	130.8	155.3	181.4	204.3	233.8
120°	71.9	71.9	78.5	93.2	111.2	122.6	130.8	153.7	176.5	199.4	225.6
122.5°	78.5	78.5	83.4	98.1	112.8	122.6	130.8	152.0	173.3	192.9	217.4
125°	85.0	85.0	88.3	101.3	116.1	124.2	132.4	152.0	171.6	188.0	212.5
127.5°	91.5	89.9	94.8	106.3	117.7	125.9	134.0	152.0	168.4	184.7	206.0
130°	96.4	94.8	101.3	109.5	121.0	127.5	134.0	150.4	166.7	181.4	199.4
132.5°	103.0	99.7	107.9	111.2	124.2	130.8	135.7	150.4	165.1	178.2	196.2
135°	107.9	104.6	112.8	116.1	125.9	132.4	137.3	150.4	163.5	176.5	191.3
137.5°	111.2	109.5	117.7	121.0	127.5	134.0	138.9	150.4	161.8	173.3	188.0
140°	112.8	111.2	117.7	124.2	127.5	134.0	137.3	148.8	160.2	170.0	183.1
142.5°	114.4	114.4	119.3	125.9	127.5	132.4	137.3	147.1	156.9	165.1	179.8
145°	114.4	114.4	119.3	127.5	129.1	130.8	134.0	143.8	152.0	160.2	173.3
147.5°	114.4	114.4	121.0	127.5	130.8	132.4	130.8	140.6	148.8	155.3	166.7
150°	114.4	114.4	121.0	127.5	132.4	134.0	132.4	137.3	143.8	150.4	160.2
152.5°	116.1	116.1	121.0	127.5	132.4	134.0	134.0	134.0	138.9	145.5	155.3
155°	116.1	117.7	121.0	130.8	134.0	135.7	135.7	135.7	134.0	140.6	148.8
157.5°	121.0	122.6	124.2	132.4	135.7	137.3	137.3	137.3	135.7	134.0	142.2
160°	125.9	127.5	129.1	135.7	138.9	140.6	140.6	140.6	137.3	135.7	135.7
162.5°	130.8	134.0	134.0	137.3	140.6	142.2	142.2	143.8	140.6	138.9	137.3
165°	137.3	138.9	138.9	140.6	143.8	145.5	143.8	145.5	143.8	142.2	140.6
167.5°	142.2	143.8	143.8	145.5	145.5	147.1	147.1	147.1	145.5	143.8	143.8
170°	147.1	148.8	148.8	148.8	148.8	148.8	148.8	148.8	147.1	143.8	143.8
172.5°	150.4	152.0	152.0	150.4	150.4	150.4	150.4	148.8	145.5	143.8	143.8
175°	152.0	153.7	153.7	152.0	150.4	150.4	150.4	148.8	145.5	143.8	143.8
177.5°	153.7	155.3	153.7	153.7	150.4	150.4	150.4	150.4	147.1	145.5	143.8
180°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0	1718.0
2.5°	1716.4	1696.7	1709.8	1711.5	1718.0	1711.5	1716.4	1711.5	1724.5	1719.6
5°	1709.8	1691.8	1703.3	1704.9	1713.1	1704.9	1713.1	1709.8	1726.2	1721.3
7.5°	1698.4	1683.7	1693.5	1695.1	1704.9	1696.7	1704.9	1701.6	1721.3	1714.7
10°	1682.0	1670.6	1680.4	1682.0	1691.8	1683.7	1690.2	1686.9	1708.2	1698.4
12.5°	1664.1	1654.2	1662.4	1664.1	1675.5	1667.3	1675.5	1672.2	1693.5	1683.7
15°	1637.9	1633.0	1641.2	1644.4	1655.9	1649.3	1657.5	1654.2	1677.1	1664.1
17.5°	1611.7	1608.5	1616.6	1619.9	1633.0	1624.8	1633.0	1629.7	1652.6	1639.5
20°	1579.0	1577.4	1585.6	1590.5	1601.9	1593.8	1603.6	1600.3	1624.8	1611.7
22.5°	1544.7	1544.7	1551.3	1556.2	1567.6	1561.1	1570.9	1569.2	1593.8	1580.7
25°	1507.1	1508.8	1515.3	1521.8	1534.9	1530.0	1538.2	1538.2	1561.1	1544.7
27.5°	1464.6	1472.8	1477.7	1485.9	1497.3	1492.4	1500.6	1502.2	1525.1	1508.8
30°	1420.5	1431.9	1436.8	1446.6	1456.5	1456.5	1464.6	1467.9	1490.8	1474.4
32.5°	1374.7	1387.8	1394.3	1407.4	1420.5	1420.5	1431.9	1436.8	1459.7	1445.0
35°	1329.0	1346.9	1355.1	1371.5	1384.5	1386.2	1397.6	1404.1	1427.0	1412.3
37.5°	1284.8	1307.7	1315.9	1335.5	1346.9	1350.2	1363.3	1371.5	1392.7	1379.6
40°	1239.0	1266.8	1276.6	1297.9	1307.7	1314.2	1327.3	1337.1	1356.7	1345.3
42.5°	1194.9	1226.0	1235.8	1258.7	1270.1	1276.6	1289.7	1302.8	1322.4	1311.0
45°	1150.8	1185.1	1196.5	1221.1	1230.9	1240.7	1255.4	1266.8	1284.8	1275.0
47.5°	1108.3	1144.2	1155.7	1181.8	1193.3	1204.7	1217.8	1234.1	1250.5	1240.7
50°	1064.1	1101.7	1116.5	1144.2	1154.0	1167.1	1183.5	1198.2	1214.5	1206.4
52.5°	1021.6	1060.9	1075.6	1105.0	1116.5	1129.5	1145.9	1162.2	1176.9	1170.4
55°	975.9	1018.4	1034.7	1065.8	1077.2	1090.3	1108.3	1126.3	1139.3	1134.4
57.5°	933.4	977.5	993.9	1028.2	1038.0	1054.3	1072.3	1091.9	1103.4	1098.5
60°	890.9	935.0	954.6	988.9	1000.4	1016.7	1034.7	1056.0	1065.8	1062.5
62.5°	848.4	894.1	915.4	951.4	961.2	979.1	1000.4	1018.4	1028.2	1026.5
65°	809.1	853.3	877.8	913.8	923.6	943.2	962.8	982.4	992.2	992.2
67.5°	768.3	815.7	840.2	877.8	886.0	907.2	928.5	948.1	956.3	956.3
70°	730.7	776.4	804.2	841.8	850.0	869.6	892.5	913.8	920.3	921.9
72.5°	693.1	738.9	768.3	807.5	815.7	835.3	856.5	879.4	884.3	886.0
75°	657.1	702.9	732.3	771.5	779.7	799.3	822.2	843.5	850.0	851.6
77.5°	621.2	666.9	699.6	737.2	745.4	765.0	787.9	809.1	814.0	817.3
80°	588.5	632.6	663.7	704.5	712.7	732.3	753.6	774.8	778.1	783.0
82.5°	555.8	599.9	632.6	671.8	680.0	699.6	720.9	742.1	745.4	751.9
85°	524.7	568.9	601.5	639.1	648.9	666.9	689.8	709.4	712.7	717.6
87.5°	496.9	537.8	572.1	608.1	617.9	635.9	658.8	678.4	680.0	686.5
90°	467.5	508.4	542.7	578.7	588.5	604.8	627.7	647.3	650.6	655.5
92.5°	443.0	480.6	516.5	550.9	559.0	577.0	598.3	617.9	621.2	626.1
95°	416.8	454.4	490.4	523.1	531.3	549.2	568.9	588.5	591.7	596.6
97.5°	393.9	429.9	464.2	496.9	505.1	521.4	542.7	560.7	563.9	570.5
100°	372.7	407.0	443.0	472.4	480.6	496.9	516.5	534.5	537.8	544.3
102.5°	353.1	385.8	420.1	447.9	457.7	472.4	492.0	508.4	511.6	516.5
105°	335.1	366.2	398.8	425.0	434.8	449.5	467.5	483.8	487.1	492.0
107.5°	317.1	346.5	377.6	403.8	411.9	425.0	443.0	459.3	462.6	469.1
110°	300.8	330.2	359.6	384.1	393.9	403.8	421.7	436.4	439.7	444.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	286.1	312.2	341.6	364.5	372.7	384.1	398.8	413.6	416.8	423.4
115°	273.0	297.5	326.9	348.2	354.7	364.5	380.9	393.9	397.2	402.1
117.5°	261.5	282.8	308.9	330.2	338.4	346.5	361.3	372.7	377.6	380.9
120°	251.7	271.3	294.2	313.8	323.7	330.2	343.3	354.7	359.6	362.9
122.5°	241.9	259.9	281.2	299.1	307.3	312.2	326.9	336.7	341.6	346.5
125°	233.8	250.1	269.7	284.4	292.6	297.5	310.6	320.4	325.3	328.6
127.5°	225.6	240.3	259.9	271.3	279.5	282.8	294.2	304.0	308.9	310.6
130°	217.4	232.1	248.5	259.9	266.4	271.3	281.2	287.7	292.6	294.2
132.5°	210.9	223.9	238.7	250.1	256.6	258.3	268.1	274.6	279.5	281.2
135°	206.0	215.8	230.5	240.3	245.2	248.5	256.6	261.5	266.4	268.1
137.5°	199.4	209.2	222.3	228.8	235.4	237.0	245.2	250.1	255.0	256.6
140°	194.5	202.7	214.1	220.7	227.2	227.2	233.8	238.7	243.6	243.6
142.5°	189.6	197.8	207.6	214.1	219.0	219.0	225.6	228.8	233.8	233.8
145°	183.1	191.3	201.1	206.0	210.9	210.9	215.8	219.0	223.9	223.9
147.5°	176.5	184.7	194.5	197.8	202.7	202.7	207.6	210.9	214.1	214.1
150°	168.4	174.9	186.3	191.3	196.2	196.2	199.4	202.7	206.0	206.0
152.5°	161.8	166.7	176.5	183.1	188.0	188.0	191.3	194.5	197.8	197.8
155°	153.7	158.6	166.7	174.9	179.8	181.4	184.7	186.3	189.6	189.6
157.5°	147.1	152.0	158.6	165.1	170.0	173.3	178.2	179.8	181.4	181.4
160°	138.9	142.2	148.8	155.3	160.2	163.5	171.6	173.3	174.9	174.9
162.5°	135.7	135.7	138.9	143.8	148.8	150.4	158.6	165.1	168.4	166.7
165°	137.3	135.7	135.7	137.3	140.6	142.2	147.1	156.9	160.2	158.6
167.5°	140.6	137.3	135.7	135.7	138.9	138.9	143.8	152.0	161.8	158.6
170°	140.6	135.7	132.4	132.4	134.0	134.0	137.3	142.2	152.0	153.7
172.5°	138.9	135.7	130.8	124.2	125.9	124.2	122.6	125.9	127.5	143.8
175°	140.6	135.7	130.8	122.6	119.3	114.4	106.3	99.7	98.1	80.1
177.5°	138.9	134.0	127.5	121.0	117.7	111.2	101.3	89.9	83.4	73.6
180°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4



TEST NUMBER: P895527
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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	13.24	14.55	13.88	15.21	15.98	16.86	18.17	17.50	18.83	19.60
	3H	14.58	15.78	15.24	16.46	17.26	19.81	21.01	20.47	21.69	22.49
	4H	14.99	16.12	15.66	16.81	17.63	21.32	22.46	21.99	23.15	23.96
	6H	15.20	16.26	15.89	16.96	17.79	22.93	23.99	23.62	24.69	25.52
	8H	15.23	16.25	15.93	16.97	17.80	23.78	24.80	24.48	25.52	26.35
	12H	15.24	16.21	15.94	16.93	17.79	24.73	25.70	25.43	26.41	27.28
4H	2H	14.39	15.53	15.07	16.22	17.03	17.17	18.31	17.85	19.00	19.81
	3H	16.03	17.01	16.72	17.73	18.57	20.36	21.34	21.05	22.06	22.89
	4H	16.60	17.50	17.31	18.23	19.09	22.04	22.94	22.74	23.66	24.53
	6H	16.94	17.74	17.66	18.49	19.36	23.86	24.65	24.58	25.40	26.27
	8H	17.02	17.77	17.74	18.51	19.40	24.83	25.58	25.56	26.33	27.21
	12H	17.04	17.73	17.79	18.50	19.39	25.92	26.60	26.67	27.37	28.26
8H	4H	17.71	18.46	18.43	19.21	20.09	22.21	22.96	22.93	23.71	24.59
	6H	18.32	18.96	19.07	19.74	20.63	24.20	24.85	24.96	25.63	26.52
	8H	18.51	19.09	19.28	19.88	20.78	25.32	25.90	26.09	26.69	27.59
	12H	18.63	19.14	19.39	19.92	20.88	26.60	27.12	27.37	27.90	28.85
12H	4H	18.07	18.76	18.82	19.53	20.42	22.20	22.89	22.95	23.66	24.55
	6H	18.85	19.43	19.62	20.22	21.12	24.23	24.81	25.00	25.60	26.50
	8H	19.18	19.70	19.95	20.48	21.43	25.41	25.93	26.18	26.71	27.67