

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: P895419

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-FLTU-UNV-CC93-MID-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 4000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

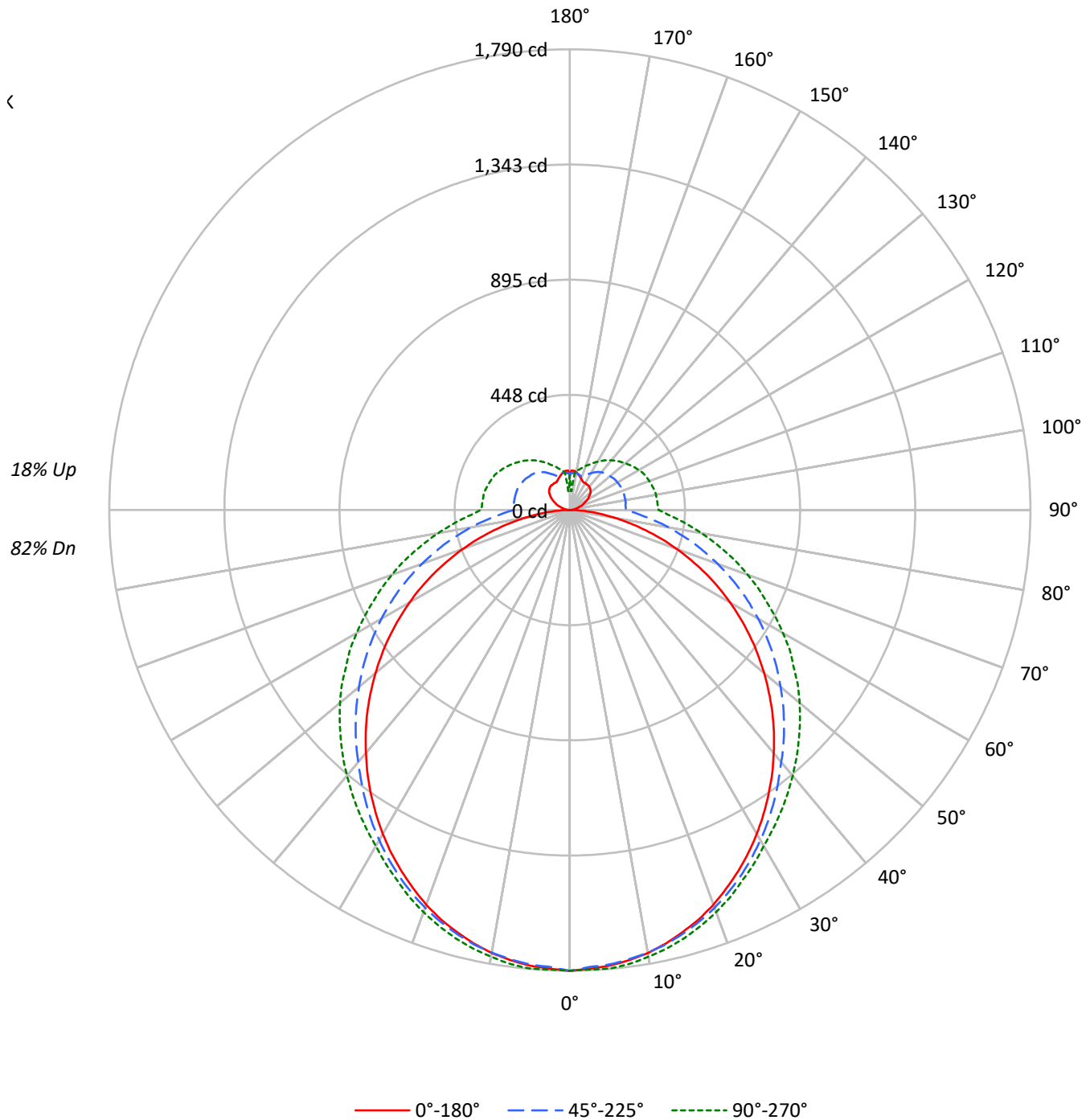
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6768.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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				
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6352	6352	6352
5°	6315	6096	6079
10°	6268	5871	5791
15°	6191	5644	5514
20°	6103	5411	5234
25°	5989	5167	4950
30°	5867	4916	4692
35°	5731	4665	4478
40°	5587	4417	4275
45°	5445	4202	4081
50°	5278	3978	3893
55°	5099	3758	3682
60°	4884	3522	3482
65°	4627	3273	3256
70°	4289	2999	3046
75°	3819	2718	2819
80°	3200	2418	2586
85°	2408	2113	2373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5445 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	2.5
10°-20°	482.9	7.1
20°-30°	725.5	10.7
30°-40°	871.1	12.9
40°-50°	916.0	13.5
50°-60°	860.6	12.7
60°-70°	715.6	10.6
70°-80°	510.7	7.5
80°-90°	304.0	4.5
90°-100°	220.0	3.3
100°-110°	217.1	3.2
110°-120°	203.9	3.0
120°-130°	180.7	2.7
130°-140°	149.8	2.2
140°-150°	112.1	1.7
150°-160°	73.7	1.1
160°-170°	41.8	0.6
170°-180°	13.3	0.2
0°-30°	1377.6	20.4
0°-40°	2248.7	33.2
0°-60°	4025.3	59.5
0°-90°	5555.5	82.1
90°-120°	641.1	9.5
90°-150°	1083.6	16.0
90°-180°	1212.0	17.9
0°-180°	6768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1790	1790	1790	1790	1790	
5°	1777	1798	1772	1777	1789	169
15°	1697	1723	1704	1715	1722	479
25°	1548	1578	1570	1584	1588	713
35°	1347	1378	1383	1418	1431	843
45°	1113	1144	1177	1238	1259	858
55°	855	889	960	1038	1061	764
65°	582	629	729	821	844	576
75°	306	374	499	595	626	325
85°	77	168	293	391	423	84
90°	0	96	217	312	345	5
95°	8	101	217	309	342	9
105°	31	113	219	306	335	33
115°	60	123	217	293	322	60
125°	92	131	211	275	296	82
135°	113	137	200	250	268	87
145°	119	134	180	222	235	75
155°	121	136	152	188	200	57
165°	139	147	142	144	167	39
175°	154	152	144	123	74	14
180°	134	134	134	134	134	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3
2.5°	1783.7	1788.6	1790.3	1806.6	1800.1	1806.6	1795.2	1782.1	1778.8	1787.0	1777.2
5°	1777.2	1782.1	1783.7	1800.1	1793.5	1798.4	1788.6	1775.5	1772.3	1782.1	1772.3
7.5°	1764.1	1769.0	1770.6	1788.6	1780.4	1787.0	1775.5	1762.5	1760.8	1770.6	1760.8
10°	1747.7	1752.6	1754.3	1770.6	1764.1	1770.6	1759.2	1746.1	1744.5	1755.9	1746.1
12.5°	1724.9	1729.8	1733.0	1749.4	1741.2	1749.4	1736.3	1723.2	1724.9	1734.7	1728.1
15°	1697.1	1703.6	1705.2	1721.6	1715.0	1723.2	1710.1	1697.1	1700.3	1710.1	1703.6
17.5°	1667.6	1674.2	1675.8	1690.5	1684.0	1693.8	1679.1	1667.6	1670.9	1680.7	1675.8
20°	1631.7	1638.2	1641.5	1656.2	1649.6	1659.5	1644.7	1634.9	1638.2	1649.6	1644.7
22.5°	1590.8	1600.6	1602.2	1618.6	1610.4	1620.2	1605.5	1597.3	1602.2	1613.7	1608.8
25°	1548.3	1558.1	1559.7	1576.1	1569.5	1577.7	1563.0	1554.8	1561.4	1572.8	1569.5
27.5°	1502.5	1512.3	1515.6	1530.3	1523.8	1533.6	1517.2	1512.3	1518.9	1530.3	1527.0
30°	1453.5	1463.3	1464.9	1479.6	1474.7	1484.5	1469.8	1463.3	1473.1	1484.5	1481.2
32.5°	1401.1	1410.9	1415.9	1428.9	1424.0	1432.2	1419.1	1415.9	1424.0	1435.5	1433.8
35°	1347.2	1357.0	1361.9	1376.6	1370.1	1378.2	1365.2	1361.9	1375.0	1383.2	1383.2
37.5°	1291.6	1301.4	1306.3	1321.0	1312.9	1322.7	1309.6	1307.9	1322.7	1330.8	1330.8
40°	1232.7	1244.2	1249.1	1262.2	1255.6	1263.8	1252.4	1254.0	1267.1	1276.9	1278.5
42.5°	1173.9	1185.3	1190.2	1204.9	1196.8	1204.9	1195.1	1196.8	1211.5	1221.3	1229.5
45°	1113.4	1123.2	1128.1	1144.5	1134.6	1144.5	1134.6	1137.9	1152.6	1167.3	1177.2
47.5°	1049.6	1059.4	1067.6	1080.7	1072.5	1080.7	1074.2	1079.1	1097.0	1111.8	1124.8
50°	985.9	995.7	1003.8	1015.3	1007.1	1018.6	1010.4	1016.9	1039.8	1054.5	1069.2
52.5°	920.5	928.6	941.7	948.3	941.7	954.8	948.3	958.1	981.0	998.9	1015.3
55°	855.1	863.2	876.3	881.2	874.7	889.4	884.5	897.6	922.1	941.7	959.7
57.5°	788.0	796.2	807.7	812.6	807.7	824.0	822.4	837.1	861.6	882.9	902.5
60°	719.4	727.5	737.4	742.3	742.3	758.6	758.6	776.6	802.8	822.4	845.3
62.5°	652.3	657.2	667.1	673.6	678.5	694.8	694.8	714.5	742.3	765.1	788.0
65°	582.0	586.9	595.1	603.3	611.5	629.4	631.1	652.3	680.1	703.0	729.2
67.5°	511.7	516.6	524.8	534.6	546.1	564.1	567.3	590.2	619.6	645.8	670.3
70°	443.1	444.7	454.5	467.6	480.7	498.7	503.6	528.1	559.1	585.3	611.5
72.5°	374.4	376.0	385.8	402.2	416.9	436.5	443.1	469.2	500.3	526.4	552.6
75°	305.7	307.4	320.4	340.1	356.4	374.4	382.6	410.4	441.4	469.2	498.7
77.5°	240.3	243.6	256.7	276.3	295.9	317.2	325.4	353.1	387.5	413.6	441.4
80°	179.8	183.1	197.8	219.1	240.3	260.0	269.8	297.6	333.5	359.7	390.7
82.5°	124.3	129.2	147.1	170.0	191.3	212.5	222.4	248.5	281.2	310.6	340.1
85°	76.8	83.4	101.4	125.9	148.8	168.4	178.2	206.0	237.1	264.9	292.7
87.5°	36.0	45.8	63.8	88.3	112.8	129.2	140.6	168.4	197.8	225.6	253.4
90°	0.0	14.7	32.7	57.2	81.7	96.5	109.5	135.7	165.1	191.3	217.4
92.5°	3.3	16.3	36.0	58.9	83.4	98.1	111.2	137.3	165.1	191.3	217.4
95°	8.2	18.0	37.6	62.1	86.7	101.4	112.8	139.0	166.8	192.9	217.4
97.5°	14.7	22.9	42.5	65.4	89.9	103.0	116.1	142.2	168.4	194.6	219.1
100°	19.6	26.2	45.8	68.7	93.2	106.3	119.4	143.9	170.0	196.2	219.1
102.5°	24.5	32.7	50.7	71.9	96.5	109.5	121.0	145.5	171.7	196.2	219.1
105°	31.1	37.6	54.0	76.8	99.7	112.8	124.3	148.8	173.3	197.8	219.1
107.5°	37.6	42.5	58.9	80.1	103.0	114.4	125.9	150.4	174.9	197.8	219.1
110°	45.8	49.0	63.8	83.4	104.6	117.7	129.2	152.0	174.9	197.8	219.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	54.0	54.0	68.7	86.7	107.9	119.4	130.8	153.7	176.6	197.8	219.1
115°	60.5	62.1	73.6	89.9	111.2	122.6	132.4	153.7	176.6	197.8	217.4
117.5°	68.7	68.7	80.1	93.2	112.8	124.3	135.7	155.3	176.6	196.2	215.8
120°	76.8	75.2	85.0	98.1	116.1	125.9	137.3	157.0	176.6	196.2	214.2
122.5°	85.0	81.7	88.3	101.4	117.7	129.2	137.3	157.0	176.6	194.6	212.5
125°	91.6	88.3	93.2	106.3	121.0	130.8	139.0	157.0	176.6	192.9	210.9
127.5°	98.1	94.8	99.7	109.5	122.6	130.8	140.6	157.0	176.6	191.3	207.6
130°	104.6	99.7	106.3	112.8	125.9	132.4	140.6	157.0	174.9	189.7	204.4
132.5°	109.5	104.6	111.2	116.1	127.5	134.1	142.2	157.0	173.3	188.0	202.7
135°	112.8	107.9	116.1	119.4	130.8	137.3	143.9	157.0	171.7	186.4	199.5
137.5°	116.1	109.5	119.4	122.6	132.4	139.0	143.9	155.3	170.0	183.1	196.2
140°	117.7	112.8	122.6	125.9	130.8	137.3	143.9	153.7	166.8	179.8	191.3
142.5°	119.4	112.8	124.3	127.5	130.8	135.7	142.2	150.4	163.5	174.9	186.4
145°	119.4	114.4	124.3	127.5	130.8	134.1	139.0	148.8	158.6	168.4	179.8
147.5°	119.4	116.1	125.9	129.2	132.4	132.4	135.7	145.5	153.7	163.5	173.3
150°	121.0	116.1	125.9	129.2	134.1	134.1	135.7	140.6	150.4	157.0	165.1
152.5°	119.4	117.7	124.3	130.8	134.1	135.7	135.7	137.3	145.5	152.0	158.6
155°	121.0	121.0	125.9	134.1	135.7	135.7	137.3	135.7	139.0	145.5	152.0
157.5°	124.3	127.5	127.5	135.7	139.0	139.0	140.6	139.0	137.3	139.0	145.5
160°	129.2	132.4	132.4	137.3	142.2	142.2	143.9	142.2	140.6	139.0	139.0
162.5°	134.1	137.3	137.3	139.0	143.9	145.5	147.1	145.5	143.9	140.6	139.0
165°	139.0	142.2	142.2	142.2	145.5	147.1	148.8	147.1	147.1	143.9	142.2
167.5°	143.9	147.1	147.1	145.5	147.1	148.8	150.4	148.8	148.8	147.1	143.9
170°	148.8	152.0	152.0	148.8	150.4	150.4	152.0	150.4	150.4	147.1	145.5
172.5°	152.0	155.3	153.7	152.0	152.0	152.0	152.0	150.4	148.8	145.5	145.5
175°	153.7	157.0	157.0	153.7	152.0	152.0	153.7	150.4	148.8	147.1	143.9
177.5°	153.7	157.0	157.0	153.7	153.7	152.0	153.7	152.0	152.0	148.8	145.5
180°	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3	1790.3
2.5°	1783.7	1782.1	1772.3	1783.7	1783.7	1780.4	1793.5	1791.9	1790.3	1787.0
5°	1777.2	1775.5	1765.7	1777.2	1777.2	1775.5	1788.6	1790.3	1791.9	1788.6
7.5°	1767.4	1765.7	1755.9	1767.4	1767.4	1765.7	1780.4	1782.1	1783.7	1778.8
10°	1752.6	1751.0	1741.2	1752.6	1754.3	1752.6	1764.1	1765.7	1769.0	1762.5
12.5°	1733.0	1733.0	1723.2	1734.7	1736.3	1734.7	1746.1	1749.4	1752.6	1744.5
15°	1708.5	1710.1	1702.0	1713.4	1715.0	1715.0	1726.5	1728.1	1733.0	1721.6
17.5°	1679.1	1682.3	1675.8	1687.2	1688.9	1690.5	1697.1	1702.0	1706.9	1693.8
20°	1648.0	1649.6	1644.7	1654.6	1657.8	1656.2	1664.4	1670.9	1675.8	1662.7
22.5°	1610.4	1612.0	1607.1	1616.9	1620.2	1621.9	1628.4	1636.6	1639.8	1628.4
25°	1567.9	1574.4	1571.2	1581.0	1584.2	1584.2	1590.8	1599.0	1603.9	1587.5
27.5°	1527.0	1535.2	1531.9	1541.7	1545.0	1546.6	1549.9	1559.7	1564.6	1549.9
30°	1481.2	1491.1	1489.4	1499.2	1502.5	1500.9	1507.4	1517.2	1523.8	1507.4
32.5°	1430.6	1443.6	1442.0	1455.1	1458.4	1460.0	1464.9	1478.0	1484.5	1469.8
35°	1381.5	1396.2	1397.9	1412.6	1417.5	1419.1	1425.7	1438.7	1445.3	1430.6
37.5°	1330.8	1350.5	1355.4	1370.1	1375.0	1376.6	1383.2	1397.9	1404.4	1389.7
40°	1281.8	1304.7	1311.2	1324.3	1329.2	1334.1	1339.0	1353.7	1361.9	1347.2
42.5°	1232.7	1257.3	1265.4	1278.5	1283.4	1288.3	1294.9	1311.2	1317.8	1304.7
45°	1182.1	1208.2	1218.0	1231.1	1237.6	1242.5	1249.1	1263.8	1272.0	1258.9
47.5°	1131.4	1157.5	1167.3	1182.1	1188.6	1195.1	1200.0	1218.0	1226.2	1213.1
50°	1077.4	1106.8	1118.3	1131.4	1141.2	1146.1	1152.6	1169.0	1177.2	1165.7
52.5°	1023.5	1054.5	1067.6	1080.7	1090.5	1098.7	1101.9	1119.9	1128.1	1116.7
55°	967.9	998.9	1013.7	1028.4	1038.2	1048.0	1051.3	1069.2	1077.4	1061.1
57.5°	912.3	945.0	959.7	976.1	984.2	995.7	1000.6	1016.9	1025.1	1013.7
60°	856.7	887.8	905.8	920.5	931.9	941.7	945.0	963.0	971.1	956.4
62.5°	799.5	832.2	850.2	866.5	876.3	887.8	892.7	909.0	915.6	900.8
65°	740.6	773.3	792.9	807.7	820.7	830.5	833.8	851.8	858.3	843.6
67.5°	681.8	714.5	735.7	752.1	763.5	775.0	778.2	796.2	802.8	791.3
70°	624.5	657.2	678.5	698.1	706.3	717.7	722.6	739.0	745.5	735.7
72.5°	567.3	600.0	622.9	642.5	650.7	662.1	668.7	681.8	691.6	683.4
75°	511.7	544.4	567.3	586.9	595.1	606.6	613.1	626.2	632.7	626.2
77.5°	457.8	490.5	511.7	531.4	541.2	551.0	557.5	570.6	578.8	572.2
80°	405.5	438.2	459.4	477.4	487.2	497.0	503.6	518.3	524.8	519.9
82.5°	356.4	387.5	410.4	428.4	438.2	448.0	454.5	467.6	475.8	469.2
85°	312.3	343.3	364.6	382.6	390.7	400.6	407.1	420.2	426.7	423.4
87.5°	269.8	297.6	322.1	340.1	348.2	358.1	366.2	376.0	384.2	379.3
90°	237.1	261.6	284.5	302.5	312.3	322.1	331.9	341.7	348.2	345.0
92.5°	238.7	261.6	282.8	299.2	309.0	318.8	328.6	340.1	345.0	341.7
95°	238.7	261.6	282.8	299.2	309.0	318.8	328.6	340.1	345.0	341.7
97.5°	238.7	261.6	282.8	299.2	309.0	318.8	328.6	340.1	345.0	340.1
100°	238.7	261.6	282.8	299.2	309.0	317.2	327.0	338.4	343.3	340.1
102.5°	238.7	261.6	281.2	297.6	307.4	315.5	325.4	336.8	341.7	338.4
105°	238.7	260.0	281.2	295.9	305.7	313.9	323.7	333.5	338.4	335.2
107.5°	237.1	258.3	277.9	294.3	302.5	310.6	320.4	330.3	335.2	331.9
110°	237.1	256.7	276.3	291.0	299.2	307.4	317.2	327.0	331.9	328.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	235.4	255.0	274.7	287.7	295.9	304.1	312.3	323.7	328.6	325.4
115°	233.8	253.4	271.4	284.5	292.7	299.2	309.0	320.4	323.7	322.1
117.5°	232.2	250.1	268.1	281.2	289.4	295.9	304.1	313.9	318.8	317.2
120°	230.5	246.9	264.9	276.3	284.5	291.0	297.6	307.4	312.3	309.0
122.5°	227.3	243.6	261.6	273.0	279.6	286.1	292.7	300.8	305.7	304.1
125°	224.0	240.3	256.7	268.1	274.7	279.6	286.1	294.3	297.6	295.9
127.5°	220.7	237.1	251.8	261.6	269.8	274.7	279.6	287.7	291.0	289.4
130°	217.4	232.2	246.9	256.7	263.2	268.1	273.0	281.2	282.8	282.8
132.5°	214.2	227.3	242.0	251.8	258.3	261.6	266.5	273.0	276.3	274.7
135°	210.9	222.4	237.1	245.2	250.1	255.0	260.0	266.5	268.1	268.1
137.5°	206.0	217.4	230.5	238.7	243.6	246.9	251.8	258.3	260.0	260.0
140°	201.1	212.5	224.0	230.5	237.1	240.3	243.6	250.1	251.8	251.8
142.5°	196.2	206.0	217.4	224.0	230.5	232.2	237.1	242.0	243.6	243.6
145°	189.7	201.1	210.9	217.4	222.4	224.0	228.9	233.8	233.8	235.4
147.5°	181.5	191.3	204.4	209.3	214.2	215.8	220.7	224.0	225.6	225.6
150°	173.3	183.1	194.6	202.7	207.6	209.3	210.9	215.8	215.8	217.4
152.5°	165.1	173.3	184.7	192.9	199.5	201.1	202.7	206.0	206.0	207.6
155°	157.0	163.5	173.3	181.5	188.0	191.3	194.6	197.8	197.8	199.5
157.5°	150.4	157.0	165.1	171.7	176.6	181.5	186.4	189.7	189.7	189.7
160°	142.2	147.1	155.3	160.2	166.8	170.0	178.2	181.5	181.5	183.1
162.5°	137.3	139.0	143.9	148.8	153.7	157.0	165.1	173.3	173.3	174.9
165°	139.0	137.3	139.0	140.6	143.9	145.5	150.4	161.9	165.1	166.8
167.5°	142.2	137.3	137.3	137.3	140.6	140.6	145.5	152.0	163.5	160.2
170°	142.2	137.3	134.1	134.1	135.7	134.1	137.3	142.2	148.8	155.3
172.5°	143.9	139.0	134.1	127.5	129.2	127.5	124.3	124.3	125.9	147.1
175°	142.2	139.0	132.4	124.3	122.6	117.7	107.9	99.7	94.8	73.6
177.5°	140.6	135.7	130.8	124.3	121.0	116.1	104.6	91.6	78.5	75.2
180°	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1	134.1



TEST NUMBER: P895419
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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	14.13	15.45	14.75	16.08	16.81	16.76	18.08	17.38	18.71	19.43
	3H	15.53	16.73	16.16	17.38	18.13	19.22	20.42	19.85	21.06	21.82
	4H	15.96	17.10	16.61	17.75	18.52	20.39	21.53	21.04	22.18	22.95
	6H	16.20	17.26	16.86	17.92	18.71	21.57	22.63	22.23	23.29	24.08
	8H	16.24	17.25	16.91	17.94	18.73	22.16	23.17	22.83	23.86	24.65
	12H	16.25	17.22	16.93	17.90	18.72	22.80	23.76	23.47	24.45	25.26
4H	2H	15.03	16.17	15.68	16.83	17.60	17.10	18.24	17.75	18.90	19.67
	3H	16.66	17.62	17.32	18.32	19.10	19.77	20.73	20.43	21.43	22.22
	4H	17.21	18.10	17.89	18.79	19.61	21.08	21.97	21.76	22.67	23.48
	6H	17.55	18.33	18.25	19.05	19.87	22.44	23.21	23.13	23.94	24.76
	8H	17.62	18.36	18.33	19.07	19.91	23.13	23.86	23.83	24.58	25.42
	12H	17.65	18.32	18.38	19.06	19.91	23.88	24.54	24.60	25.28	26.13
8H	4H	17.87	18.60	18.58	19.32	20.16	21.23	21.96	21.93	22.68	23.52
	6H	18.38	19.00	19.11	19.75	20.60	22.73	23.34	23.46	24.10	24.95
	8H	18.53	19.09	19.28	19.85	20.71	23.54	24.09	24.28	24.85	25.71
	12H	18.62	19.12	19.37	19.87	20.79	24.45	24.94	25.19	25.69	26.61
12H	4H	18.04	18.71	18.77	19.45	20.30	21.22	21.89	21.95	22.63	23.47
	6H	18.64	19.20	19.39	19.96	20.82	22.74	23.30	23.49	24.06	24.92
	8H	18.88	19.37	19.62	20.12	21.04	23.60	24.10	24.35	24.85	25.77