

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: P895418

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895418
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-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 3500K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

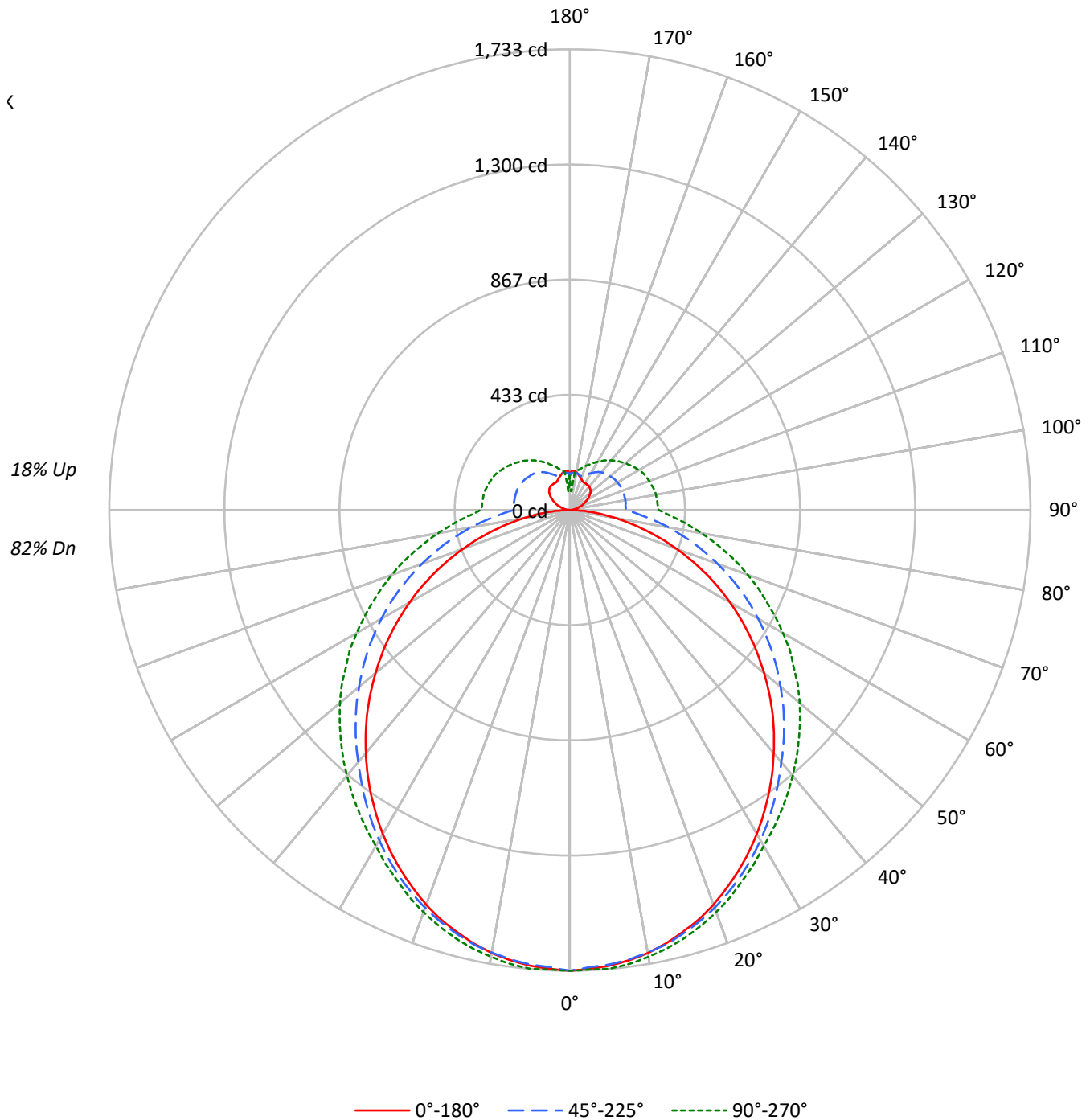
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6553.0 lumens
Efficiency: N/A
Efficacy: 98.0 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°	6150	6150	6150
5°	6115	5902	5886
10°	6069	5684	5607
15°	5994	5465	5339
20°	5909	5239	5068
25°	5798	5003	4793
30°	5680	4760	4543
35°	5549	4517	4336
40°	5410	4277	4139
45°	5272	4068	3951
50°	5110	3852	3769
55°	4937	3639	3565
60°	4729	3410	3372
65°	4480	3169	3153
70°	4153	2903	2949
75°	3698	2632	2730
80°	3099	2341	2504
85°	2333	2046	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5272 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	2.5
10°-20°	467.5	7.1
20°-30°	702.4	10.7
30°-40°	843.4	12.9
40°-50°	886.9	13.5
50°-60°	833.3	12.7
60°-70°	692.9	10.6
70°-80°	494.4	7.5
80°-90°	294.3	4.5
90°-100°	213.1	3.3
100°-110°	210.2	3.2
110°-120°	197.5	3.0
120°-130°	175.0	2.7
130°-140°	145.0	2.2
140°-150°	108.5	1.7
150°-160°	71.4	1.1
160°-170°	40.5	0.6
170°-180°	12.9	0.2
0°-30°	1333.8	20.4
0°-40°	2177.3	33.2
0°-60°	3897.4	59.5
0°-90°	5379.0	82.1
90°-120°	620.7	9.5
90°-150°	1049.2	16.0
90°-180°	1174.0	17.9
0°-180°	6553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1733	1733	1733	1733	1733	
5°	1721	1741	1716	1721	1732	163
15°	1643	1668	1650	1661	1667	464
25°	1499	1528	1520	1534	1537	691
35°	1304	1334	1339	1372	1385	816
45°	1078	1108	1140	1198	1219	831
55°	828	861	929	1005	1027	740
65°	564	610	706	795	817	557
75°	296	362	483	576	606	314
85°	74	163	283	378	410	81
90°	0	93	210	302	334	5
95°	8	98	210	299	331	9
105°	30	109	212	296	324	32
115°	59	119	210	283	312	59
125°	89	127	204	266	286	79
135°	109	133	193	242	260	84
145°	116	130	174	215	228	73
155°	117	131	147	182	193	55
165°	135	142	138	139	162	38
175°	149	147	139	119	71	14
180°	130	130	130	130	130	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4
2.5°	1727.0	1731.8	1733.4	1749.2	1742.9	1749.2	1738.1	1725.5	1722.3	1730.2	1720.7
5°	1720.7	1725.5	1727.0	1742.9	1736.5	1741.3	1731.8	1719.1	1716.0	1725.5	1716.0
7.5°	1708.1	1712.8	1714.4	1731.8	1723.9	1730.2	1719.1	1706.5	1704.9	1714.4	1704.9
10°	1692.2	1697.0	1698.6	1714.4	1708.1	1714.4	1703.3	1690.6	1689.1	1700.1	1690.6
12.5°	1670.1	1674.8	1678.0	1693.8	1685.9	1693.8	1681.1	1668.5	1670.1	1679.6	1673.2
15°	1643.1	1649.5	1651.1	1666.9	1660.6	1668.5	1655.8	1643.1	1646.3	1655.8	1649.5
17.5°	1614.7	1621.0	1622.6	1636.8	1630.5	1640.0	1625.7	1614.7	1617.8	1627.3	1622.6
20°	1579.8	1586.2	1589.3	1603.6	1597.2	1606.7	1592.5	1583.0	1586.2	1597.2	1592.5
22.5°	1540.3	1549.8	1551.3	1567.2	1559.2	1568.7	1554.5	1546.6	1551.3	1562.4	1557.7
25°	1499.1	1508.6	1510.2	1526.0	1519.7	1527.6	1513.3	1505.4	1511.8	1522.8	1519.7
27.5°	1454.8	1464.3	1467.4	1481.7	1475.4	1484.8	1469.0	1464.3	1470.6	1481.7	1478.5
30°	1407.3	1416.8	1418.4	1432.6	1427.9	1437.4	1423.1	1416.8	1426.3	1437.4	1434.2
32.5°	1356.6	1366.1	1370.9	1383.5	1378.8	1386.7	1374.0	1370.9	1378.8	1389.9	1388.3
35°	1304.4	1313.9	1318.6	1332.9	1326.5	1334.5	1321.8	1318.6	1331.3	1339.2	1339.2
37.5°	1250.6	1260.1	1264.8	1279.1	1271.1	1280.6	1268.0	1266.4	1280.6	1288.6	1288.6
40°	1193.6	1204.7	1209.4	1222.1	1215.7	1223.7	1212.6	1214.2	1226.8	1236.3	1237.9
42.5°	1136.6	1147.7	1152.4	1166.7	1158.8	1166.7	1157.2	1158.8	1173.0	1182.5	1190.4
45°	1078.0	1087.5	1092.3	1108.1	1098.6	1108.1	1098.6	1101.8	1116.0	1130.3	1139.8
47.5°	1016.3	1025.8	1033.7	1046.4	1038.4	1046.4	1040.0	1044.8	1062.2	1076.4	1089.1
50°	954.5	964.0	972.0	983.0	975.1	986.2	978.3	984.6	1006.8	1021.0	1035.3
52.5°	891.2	899.1	911.8	918.1	911.8	924.5	918.1	927.6	949.8	967.2	983.0
55°	827.9	835.8	848.5	853.2	846.9	861.1	856.4	869.1	892.8	911.8	929.2
57.5°	763.0	770.9	782.0	786.7	782.0	797.8	796.2	810.5	834.2	854.8	873.8
60°	696.5	704.4	713.9	718.7	718.7	734.5	734.5	751.9	777.3	796.2	818.4
62.5°	631.6	636.4	645.9	652.2	656.9	672.8	672.8	691.8	718.7	740.8	763.0
65°	563.5	568.3	576.2	584.1	592.0	609.5	611.0	631.6	658.5	680.7	706.0
67.5°	495.5	500.2	508.1	517.6	528.7	546.1	549.3	571.5	600.0	625.3	649.0
70°	429.0	430.6	440.1	452.7	465.4	482.8	487.6	511.3	541.4	566.7	592.0
72.5°	362.5	364.1	373.6	389.4	403.7	422.7	429.0	454.3	484.4	509.7	535.1
75°	296.0	297.6	310.3	329.3	345.1	362.5	370.4	397.3	427.4	454.3	482.8
77.5°	232.7	235.9	248.5	267.5	286.5	307.1	315.0	341.9	375.2	400.5	427.4
80°	174.1	177.3	191.5	212.1	232.7	251.7	261.2	288.1	322.9	348.3	378.3
82.5°	120.3	125.1	142.5	164.6	185.2	205.8	215.3	240.6	272.3	300.8	329.3
85°	74.4	80.7	98.1	121.9	144.1	163.0	172.5	199.5	229.5	256.4	283.4
87.5°	34.8	44.3	61.7	85.5	109.2	125.1	136.1	163.0	191.5	218.5	245.4
90°	0.0	14.2	31.7	55.4	79.1	93.4	106.1	131.4	159.9	185.2	210.5
92.5°	3.2	15.8	34.8	57.0	80.7	95.0	107.6	133.0	159.9	185.2	210.5
95°	7.9	17.4	36.4	60.2	83.9	98.1	109.2	134.6	161.5	186.8	210.5
97.5°	14.2	22.2	41.2	63.3	87.1	99.7	112.4	137.7	163.0	188.4	212.1
100°	19.0	25.3	44.3	66.5	90.2	102.9	115.6	139.3	164.6	190.0	212.1
102.5°	23.7	31.7	49.1	69.7	93.4	106.1	117.1	140.9	166.2	190.0	212.1
105°	30.1	36.4	52.2	74.4	96.6	109.2	120.3	144.1	167.8	191.5	212.1
107.5°	36.4	41.2	57.0	77.6	99.7	110.8	121.9	145.6	169.4	191.5	212.1
110°	44.3	47.5	61.7	80.7	101.3	114.0	125.1	147.2	169.4	191.5	212.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	52.2	52.2	66.5	83.9	104.5	115.6	126.6	148.8	171.0	191.5	212.1
115°	58.6	60.2	71.2	87.1	107.6	118.7	128.2	148.8	171.0	191.5	210.5
117.5°	66.5	66.5	77.6	90.2	109.2	120.3	131.4	150.4	171.0	190.0	209.0
120°	74.4	72.8	82.3	95.0	112.4	121.9	133.0	152.0	171.0	190.0	207.4
122.5°	82.3	79.1	85.5	98.1	114.0	125.1	133.0	152.0	171.0	188.4	205.8
125°	88.6	85.5	90.2	102.9	117.1	126.6	134.6	152.0	171.0	186.8	204.2
127.5°	95.0	91.8	96.6	106.1	118.7	126.6	136.1	152.0	171.0	185.2	201.0
130°	101.3	96.6	102.9	109.2	121.9	128.2	136.1	152.0	169.4	183.6	197.9
132.5°	106.1	101.3	107.6	112.4	123.5	129.8	137.7	152.0	167.8	182.0	196.3
135°	109.2	104.5	112.4	115.6	126.6	133.0	139.3	152.0	166.2	180.5	193.1
137.5°	112.4	106.1	115.6	118.7	128.2	134.6	139.3	150.4	164.6	177.3	190.0
140°	114.0	109.2	118.7	121.9	126.6	133.0	139.3	148.8	161.5	174.1	185.2
142.5°	115.6	109.2	120.3	123.5	126.6	131.4	137.7	145.6	158.3	169.4	180.5
145°	115.6	110.8	120.3	123.5	126.6	129.8	134.6	144.1	153.6	163.0	174.1
147.5°	115.6	112.4	121.9	125.1	128.2	128.2	131.4	140.9	148.8	158.3	167.8
150°	117.1	112.4	121.9	125.1	129.8	129.8	131.4	136.1	145.6	152.0	159.9
152.5°	115.6	114.0	120.3	126.6	129.8	131.4	131.4	133.0	140.9	147.2	153.6
155°	117.1	117.1	121.9	129.8	131.4	131.4	133.0	131.4	134.6	140.9	147.2
157.5°	120.3	123.5	123.5	131.4	134.6	134.6	136.1	134.6	133.0	134.6	140.9
160°	125.1	128.2	128.2	133.0	137.7	137.7	139.3	137.7	136.1	134.6	134.6
162.5°	129.8	133.0	133.0	134.6	139.3	140.9	142.5	140.9	139.3	136.1	134.6
165°	134.6	137.7	137.7	137.7	140.9	142.5	144.1	142.5	142.5	139.3	137.7
167.5°	139.3	142.5	142.5	140.9	142.5	144.1	145.6	144.1	144.1	142.5	139.3
170°	144.1	147.2	147.2	144.1	145.6	145.6	147.2	145.6	145.6	142.5	140.9
172.5°	147.2	150.4	148.8	147.2	147.2	147.2	147.2	145.6	144.1	140.9	140.9
175°	148.8	152.0	152.0	148.8	147.2	147.2	148.8	145.6	144.1	142.5	139.3
177.5°	148.8	152.0	152.0	148.8	148.8	147.2	148.8	147.2	147.2	144.1	140.9
180°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4	1733.4
2.5°	1727.0	1725.5	1716.0	1727.0	1727.0	1723.9	1736.5	1735.0	1733.4	1730.2
5°	1720.7	1719.1	1709.6	1720.7	1720.7	1719.1	1731.8	1733.4	1735.0	1731.8
7.5°	1711.2	1709.6	1700.1	1711.2	1711.2	1709.6	1723.9	1725.5	1727.0	1722.3
10°	1697.0	1695.4	1685.9	1697.0	1698.6	1697.0	1708.1	1709.6	1712.8	1706.5
12.5°	1678.0	1678.0	1668.5	1679.6	1681.1	1679.6	1690.6	1693.8	1697.0	1689.1
15°	1654.2	1655.8	1647.9	1659.0	1660.6	1660.6	1671.6	1673.2	1678.0	1666.9
17.5°	1625.7	1628.9	1622.6	1633.7	1635.2	1636.8	1643.1	1647.9	1652.6	1640.0
20°	1595.7	1597.2	1592.5	1602.0	1605.2	1603.6	1611.5	1617.8	1622.6	1609.9
22.5°	1559.2	1560.8	1556.1	1565.6	1568.7	1570.3	1576.7	1584.6	1587.7	1576.7
25°	1518.1	1524.4	1521.3	1530.8	1533.9	1533.9	1540.3	1548.2	1552.9	1537.1
27.5°	1478.5	1486.4	1483.3	1492.8	1495.9	1497.5	1500.7	1510.2	1514.9	1500.7
30°	1434.2	1443.7	1442.1	1451.6	1454.8	1453.2	1459.5	1469.0	1475.4	1459.5
32.5°	1385.1	1397.8	1396.2	1408.9	1412.0	1413.6	1418.4	1431.0	1437.4	1423.1
35°	1337.6	1351.9	1353.5	1367.7	1372.5	1374.0	1380.4	1393.0	1399.4	1385.1
37.5°	1288.6	1307.6	1312.3	1326.5	1331.3	1332.9	1339.2	1353.5	1359.8	1345.5
40°	1241.1	1263.2	1269.6	1282.2	1287.0	1291.7	1296.5	1310.7	1318.6	1304.4
42.5°	1193.6	1217.3	1225.2	1237.9	1242.7	1247.4	1253.7	1269.6	1275.9	1263.2
45°	1144.5	1169.8	1179.3	1192.0	1198.3	1203.1	1209.4	1223.7	1231.6	1218.9
47.5°	1095.4	1120.8	1130.3	1144.5	1150.8	1157.2	1161.9	1179.3	1187.2	1174.6
50°	1043.2	1071.7	1082.8	1095.4	1104.9	1109.7	1116.0	1131.8	1139.8	1128.7
52.5°	991.0	1021.0	1033.7	1046.4	1055.9	1063.8	1066.9	1084.4	1092.3	1081.2
55°	937.1	967.2	981.5	995.7	1005.2	1014.7	1017.9	1035.3	1043.2	1027.4
57.5°	883.3	915.0	929.2	945.0	953.0	964.0	968.8	984.6	992.5	981.5
60°	829.5	859.6	877.0	891.2	902.3	911.8	915.0	932.4	940.3	926.1
62.5°	774.1	805.7	823.2	839.0	848.5	859.6	864.3	880.1	886.5	872.2
65°	717.1	748.8	767.8	782.0	794.7	804.2	807.3	824.7	831.1	816.8
67.5°	660.1	691.8	712.3	728.2	739.3	750.3	753.5	770.9	777.3	766.2
70°	604.7	636.4	656.9	675.9	683.9	694.9	699.7	715.5	721.8	712.3
72.5°	549.3	581.0	603.1	622.1	630.0	641.1	647.4	660.1	669.6	661.7
75°	495.5	527.1	549.3	568.3	576.2	587.3	593.6	606.3	612.6	606.3
77.5°	443.2	474.9	495.5	514.5	524.0	533.5	539.8	552.5	560.4	554.0
80°	392.6	424.2	444.8	462.2	471.7	481.2	487.6	501.8	508.1	503.4
82.5°	345.1	375.2	397.3	414.7	424.2	433.7	440.1	452.7	460.7	454.3
85°	302.4	332.4	353.0	370.4	378.3	387.8	394.2	406.8	413.2	410.0
87.5°	261.2	288.1	311.8	329.3	337.2	346.7	354.6	364.1	372.0	367.3
90°	229.5	253.3	275.4	292.9	302.4	311.8	321.3	330.8	337.2	334.0
92.5°	231.1	253.3	273.9	289.7	299.2	308.7	318.2	329.3	334.0	330.8
95°	231.1	253.3	273.9	289.7	299.2	308.7	318.2	329.3	334.0	330.8
97.5°	231.1	253.3	273.9	289.7	299.2	308.7	318.2	329.3	334.0	329.3
100°	231.1	253.3	273.9	289.7	299.2	307.1	316.6	327.7	332.4	329.3
102.5°	231.1	253.3	272.3	288.1	297.6	305.5	315.0	326.1	330.8	327.7
105°	231.1	251.7	272.3	286.5	296.0	303.9	313.4	322.9	327.7	324.5
107.5°	229.5	250.1	269.1	284.9	292.9	300.8	310.3	319.8	324.5	321.3
110°	229.5	248.5	267.5	281.8	289.7	297.6	307.1	316.6	321.3	318.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	228.0	246.9	265.9	278.6	286.5	294.4	302.4	313.4	318.2	315.0
115°	226.4	245.4	262.8	275.4	283.4	289.7	299.2	310.3	313.4	311.8
117.5°	224.8	242.2	259.6	272.3	280.2	286.5	294.4	303.9	308.7	307.1
120°	223.2	239.0	256.4	267.5	275.4	281.8	288.1	297.6	302.4	299.2
122.5°	220.0	235.9	253.3	264.4	270.7	277.0	283.4	291.3	296.0	294.4
125°	216.9	232.7	248.5	259.6	265.9	270.7	277.0	284.9	288.1	286.5
127.5°	213.7	229.5	243.8	253.3	261.2	265.9	270.7	278.6	281.8	280.2
130°	210.5	224.8	239.0	248.5	254.9	259.6	264.4	272.3	273.9	273.9
132.5°	207.4	220.0	234.3	243.8	250.1	253.3	258.0	264.4	267.5	265.9
135°	204.2	215.3	229.5	237.4	242.2	246.9	251.7	258.0	259.6	259.6
137.5°	199.5	210.5	223.2	231.1	235.9	239.0	243.8	250.1	251.7	251.7
140°	194.7	205.8	216.9	223.2	229.5	232.7	235.9	242.2	243.8	243.8
142.5°	190.0	199.5	210.5	216.9	223.2	224.8	229.5	234.3	235.9	235.9
145°	183.6	194.7	204.2	210.5	215.3	216.9	221.6	226.4	226.4	228.0
147.5°	175.7	185.2	197.9	202.6	207.4	209.0	213.7	216.9	218.5	218.5
150°	167.8	177.3	188.4	196.3	201.0	202.6	204.2	209.0	209.0	210.5
152.5°	159.9	167.8	178.9	186.8	193.1	194.7	196.3	199.5	199.5	201.0
155°	152.0	158.3	167.8	175.7	182.0	185.2	188.4	191.5	191.5	193.1
157.5°	145.6	152.0	159.9	166.2	171.0	175.7	180.5	183.6	183.6	183.6
160°	137.7	142.5	150.4	155.1	161.5	164.6	172.5	175.7	175.7	177.3
162.5°	133.0	134.6	139.3	144.1	148.8	152.0	159.9	167.8	167.8	169.4
165°	134.6	133.0	134.6	136.1	139.3	140.9	145.6	156.7	159.9	161.5
167.5°	137.7	133.0	133.0	133.0	136.1	136.1	140.9	147.2	158.3	155.1
170°	137.7	133.0	129.8	129.8	131.4	129.8	133.0	137.7	144.1	150.4
172.5°	139.3	134.6	129.8	123.5	125.1	123.5	120.3	120.3	121.9	142.5
175°	137.7	134.6	128.2	120.3	118.7	114.0	104.5	96.6	91.8	71.2
177.5°	136.1	131.4	126.6	120.3	117.1	112.4	101.3	88.6	76.0	72.8
180°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8



TEST NUMBER: P895418
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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	14.02	15.34	14.63	15.97	16.69	16.65	17.97	17.26	18.60	19.32
	3H	15.42	16.62	16.05	17.26	18.02	19.11	20.31	19.74	20.95	21.71
	4H	15.85	16.99	16.50	17.64	18.41	20.28	21.42	20.93	22.07	22.84
	6H	16.09	17.14	16.75	17.81	18.59	21.46	22.52	22.12	23.18	23.97
	8H	16.13	17.14	16.80	17.83	18.62	22.05	23.06	22.72	23.75	24.54
	12H	16.14	17.11	16.82	17.79	18.61	22.68	23.65	23.36	24.33	25.15
4H	2H	14.92	16.06	15.57	16.71	17.48	16.99	18.13	17.64	18.78	19.55
	3H	16.54	17.51	17.21	18.20	18.99	19.65	20.62	20.32	21.31	22.10
	4H	17.10	17.98	17.78	18.68	19.50	20.97	21.86	21.65	22.55	23.37
	6H	17.44	18.21	18.13	18.94	19.76	22.32	23.10	23.02	23.82	24.65
	8H	17.51	18.24	18.21	18.96	19.80	23.01	23.74	23.72	24.46	25.30
	12H	17.54	18.21	18.27	18.95	19.79	23.76	24.43	24.49	25.17	26.02
8H	4H	17.76	18.49	18.46	19.21	20.05	21.12	21.85	21.82	22.57	23.41
	6H	18.26	18.88	19.00	19.64	20.49	22.61	23.23	23.35	23.99	24.83
	8H	18.42	18.98	19.16	19.74	20.59	23.42	23.98	24.17	24.74	25.60
	12H	18.51	19.00	19.26	19.76	20.67	24.33	24.83	25.08	25.58	26.50
12H	4H	17.93	18.60	18.66	19.34	20.18	21.11	21.77	21.83	22.52	23.36
	6H	18.53	19.09	19.28	19.85	20.71	22.63	23.19	23.37	23.95	24.81
	8H	18.76	19.26	19.51	20.01	20.93	23.49	23.99	24.24	24.74	25.65