

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: P894316

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894316
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: 4MB-SC3-RNDU-UNV-CC83-HI-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 40 CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

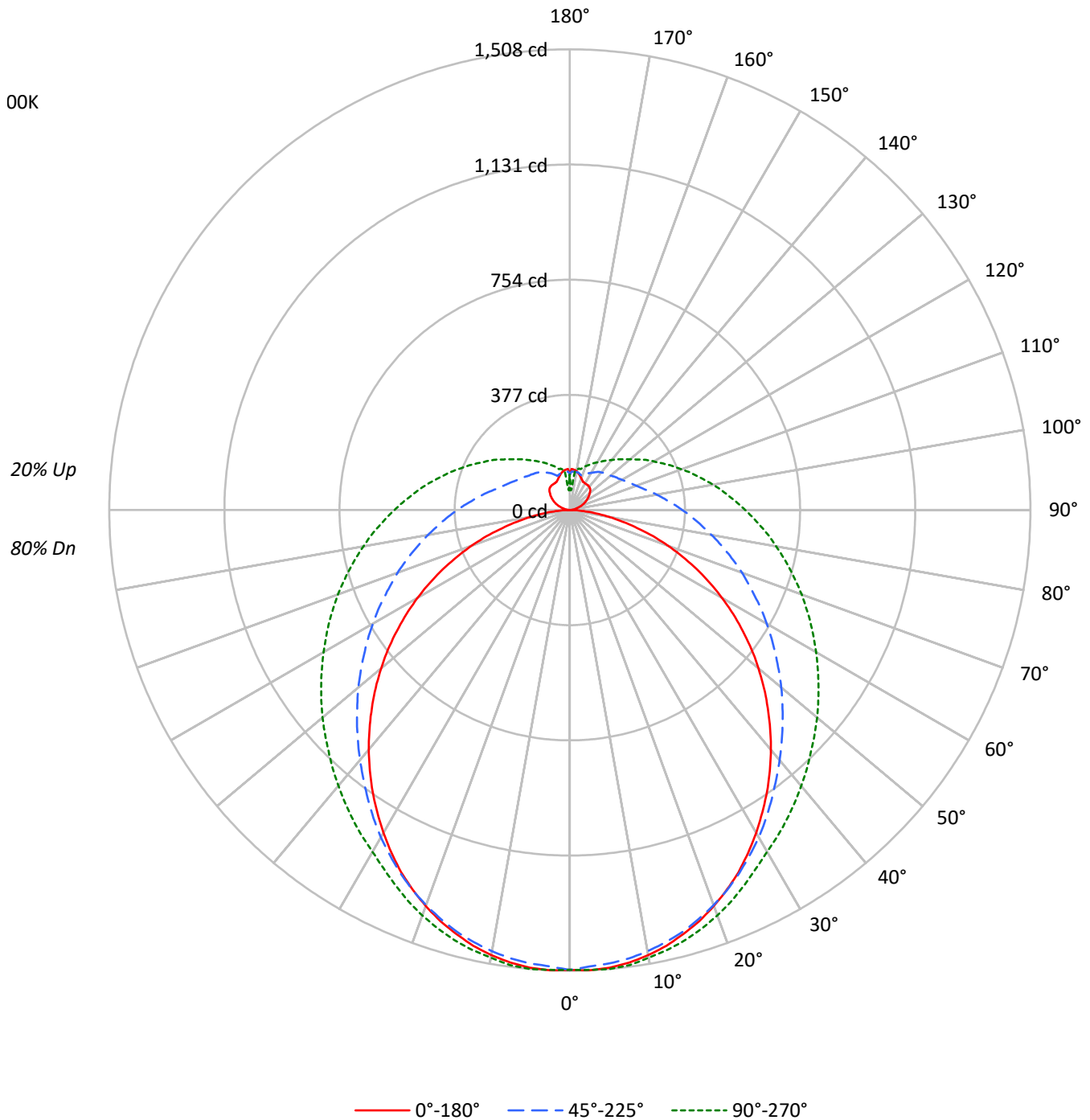
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6331.0 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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°	10709	10709	10709
5°	10691	10257	10278
10°	10591	9857	9803
15°	10435	9453	9364
20°	10247	9026	8914
25°	10021	8597	8463
30°	9731	8165	8062
35°	9432	7719	7768
40°	9111	7317	7500
45°	8764	6960	7262
50°	8401	6643	7077
55°	7983	6349	6917
60°	7511	6107	6796
65°	6937	5894	6729
70°	6225	5763	6706
75°	5269	5668	6737
80°	4117	5666	6843
85°	2635	5815	7067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	2.2
10°-20°	406.1	6.4
20°-30°	609.7	9.6
30°-40°	733.1	11.6
40°-50°	776.7	12.3
50°-60°	748.0	11.8
60°-70°	662.0	10.5
70°-80°	543.0	8.6
80°-90°	421.4	6.7
90°-100°	327.0	5.2
100°-110°	259.1	4.1
110°-120°	206.4	3.3
120°-130°	164.0	2.6
130°-140°	128.0	2.0
140°-150°	94.2	1.5
150°-160°	62.3	1.0
160°-170°	35.9	0.6
170°-180°	11.5	0.2
0°-30°	1158.2	18.3
0°-40°	1891.3	29.9
0°-60°	3416.1	54.0
0°-90°	5042.4	79.6
90°-120°	792.6	12.5
90°-150°	1178.9	18.6
90°-180°	1289.0	20.4
0°-180°	6331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1504	1505	1490	1501	1508	143
15°	1436	1438	1429	1451	1458	405
25°	1308	1312	1312	1345	1353	601
35°	1126	1140	1153	1213	1237	704
45°	917	938	985	1078	1117	707
55°	692	726	822	944	994	619
65°	458	521	669	809	869	454
75°	229	344	533	683	746	245
85°	52	208	417	569	629	59
90°	1	163	368	516	574	4
95°	7	135	325	466	523	8
105°	26	109	256	381	431	28
115°	52	104	213	311	352	51
125°	74	109	186	256	288	66
135°	94	116	168	215	235	72
145°	100	115	152	185	196	63
155°	102	119	130	158	166	48
165°	120	128	123	123	139	34
175°	133	132	126	104	70	13
180°	116	116	116	116	116	



TEST NUMBER: P894316
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2
2.5°	1508.1	1506.6	1509.5	1512.4	1521.0	1509.5	1515.2	1499.5	1500.9	1502.3	1495.2
5°	1503.8	1499.5	1503.8	1506.6	1513.8	1505.2	1510.9	1493.7	1495.2	1498.0	1489.5
7.5°	1493.7	1489.5	1492.3	1495.2	1502.3	1493.7	1500.9	1483.7	1486.6	1488.0	1480.9
10°	1479.4	1473.7	1476.6	1480.9	1486.6	1479.4	1485.2	1469.4	1470.8	1473.7	1466.5
12.5°	1460.8	1455.1	1457.9	1460.8	1468.0	1460.8	1466.5	1450.8	1453.6	1456.5	1449.4
15°	1436.5	1430.7	1433.6	1436.5	1442.2	1437.9	1443.6	1427.9	1430.7	1436.5	1429.3
17.5°	1410.7	1402.1	1405.0	1409.3	1415.0	1412.1	1416.4	1403.5	1405.0	1410.7	1403.5
20°	1379.2	1370.6	1373.4	1377.7	1383.5	1382.0	1384.9	1373.4	1376.3	1383.5	1376.3
22.5°	1344.8	1336.2	1339.1	1344.8	1349.1	1349.1	1350.5	1341.9	1344.8	1352.0	1346.2
25°	1307.6	1299.0	1301.8	1307.6	1311.9	1311.9	1314.7	1306.1	1310.4	1317.6	1311.9
27.5°	1264.6	1260.3	1260.3	1266.0	1268.9	1271.8	1273.2	1266.0	1271.8	1278.9	1274.6
30°	1220.2	1214.5	1217.3	1224.5	1224.5	1230.2	1230.2	1224.5	1231.7	1240.3	1237.4
32.5°	1172.9	1168.6	1170.1	1178.7	1178.7	1185.8	1184.4	1181.5	1188.7	1198.7	1195.9
35°	1125.7	1121.4	1122.8	1131.4	1131.4	1140.0	1137.1	1137.1	1144.3	1155.8	1152.9
37.5°	1075.6	1072.7	1074.1	1082.7	1082.7	1091.3	1088.4	1089.9	1098.5	1111.4	1109.9
40°	1024.0	1021.1	1024.0	1031.2	1034.0	1041.2	1038.3	1041.2	1052.6	1064.1	1068.4
42.5°	971.0	969.6	972.4	979.6	982.5	989.6	988.2	992.5	1003.9	1021.1	1026.9
45°	916.6	916.6	919.4	926.6	929.5	938.1	936.6	942.4	956.7	975.3	985.3
47.5°	862.2	863.6	865.0	873.6	873.6	887.9	883.6	892.2	910.9	932.3	943.8
50°	806.3	809.2	810.6	817.8	820.6	833.5	830.7	845.0	865.0	887.9	903.7
52.5°	750.5	753.3	756.2	761.9	764.8	780.5	777.7	796.3	820.6	845.0	862.2
55°	691.7	697.5	698.9	706.1	710.4	726.1	726.1	747.6	773.4	800.6	822.1
57.5°	634.4	640.2	641.6	650.2	655.9	674.5	677.4	701.8	730.4	757.6	783.4
60°	575.7	582.9	584.3	592.9	602.9	623.0	627.3	654.5	686.0	714.7	744.7
62.5°	517.0	524.2	527.0	535.6	551.4	571.4	578.6	610.1	643.0	674.5	707.5
65°	458.3	465.5	469.8	481.2	499.8	521.3	531.3	564.3	601.5	634.4	668.8
67.5°	399.6	408.2	413.9	428.2	452.6	475.5	485.5	522.7	561.4	597.2	633.0
70°	342.3	350.9	358.0	376.7	405.3	428.2	441.1	481.2	521.3	560.0	600.1
72.5°	286.4	295.0	305.1	328.0	359.5	385.3	399.6	441.1	485.5	524.2	565.7
75°	229.1	239.2	250.6	282.1	317.9	343.7	359.5	403.9	449.7	488.4	532.8
77.5°	177.6	187.6	204.8	236.3	276.4	305.1	322.2	369.5	416.8	455.4	501.3
80°	130.3	140.4	163.3	197.6	239.2	266.4	287.9	336.6	385.3	425.4	471.2
82.5°	88.8	98.8	126.0	163.3	207.7	234.9	254.9	306.5	355.2	396.7	442.5
85°	51.6	65.9	94.5	134.6	180.5	207.7	227.7	280.7	328.0	369.5	416.8
87.5°	22.9	40.1	71.6	111.7	157.5	183.3	204.8	253.5	303.6	345.2	392.4
90°	1.4	22.9	55.9	94.5	138.9	163.3	183.3	232.0	279.3	322.2	368.1
92.5°	2.9	15.8	45.8	81.6	123.2	147.5	167.6	213.4	257.8	302.2	346.6
95°	7.2	15.8	40.1	73.0	111.7	134.6	153.2	197.6	239.2	282.1	325.1
97.5°	11.5	17.2	38.7	68.7	103.1	124.6	141.8	183.3	224.8	263.5	306.5
100°	15.8	21.5	38.7	65.9	97.4	117.4	133.2	171.9	210.5	246.3	289.3
102.5°	20.1	25.8	41.5	65.9	94.5	111.7	127.5	163.3	199.1	232.0	272.1
105°	25.8	30.1	44.4	65.9	91.7	108.8	121.7	154.7	189.0	220.6	256.4
107.5°	31.5	34.4	47.3	67.3	91.7	106.0	118.9	148.9	180.5	209.1	243.5
110°	38.7	40.1	51.6	70.2	91.7	104.5	116.0	144.6	173.3	200.5	232.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	44.4	44.4	55.9	73.0	91.7	104.5	114.6	140.4	167.6	191.9	222.0
115°	51.6	51.6	60.2	75.9	93.1	104.5	114.6	138.9	163.3	184.7	213.4
117.5°	57.3	57.3	65.9	78.8	96.0	106.0	114.6	136.1	159.0	179.0	204.8
120°	63.0	63.0	68.7	81.6	97.4	107.4	114.6	134.6	154.7	174.7	197.6
122.5°	68.7	68.7	73.0	85.9	98.8	107.4	114.6	133.2	151.8	169.0	190.5
125°	74.5	74.5	77.3	88.8	101.7	108.8	116.0	133.2	150.4	164.7	186.2
127.5°	80.2	78.8	83.1	93.1	103.1	110.3	117.4	133.2	147.5	161.8	180.5
130°	84.5	83.1	88.8	96.0	106.0	111.7	117.4	131.8	146.1	159.0	174.7
132.5°	90.2	87.4	94.5	97.4	108.8	114.6	118.9	131.8	144.6	156.1	171.9
135°	94.5	91.7	98.8	101.7	110.3	116.0	120.3	131.8	143.2	154.7	167.6
137.5°	97.4	96.0	103.1	106.0	111.7	117.4	121.7	131.8	141.8	151.8	164.7
140°	98.8	97.4	103.1	108.8	111.7	117.4	120.3	130.3	140.4	148.9	160.4
142.5°	100.3	100.3	104.5	110.3	111.7	116.0	120.3	128.9	137.5	144.6	157.5
145°	100.3	100.3	104.5	111.7	113.1	114.6	117.4	126.0	133.2	140.4	151.8
147.5°	100.3	100.3	106.0	111.7	114.6	116.0	114.6	123.2	130.3	136.1	146.1
150°	100.3	100.3	106.0	111.7	116.0	117.4	116.0	120.3	126.0	131.8	140.4
152.5°	101.7	101.7	106.0	111.7	116.0	117.4	117.4	117.4	121.7	127.5	136.1
155°	101.7	103.1	106.0	114.6	117.4	118.9	118.9	118.9	117.4	123.2	130.3
157.5°	106.0	107.4	108.8	116.0	118.9	120.3	120.3	120.3	118.9	117.4	124.6
160°	110.3	111.7	113.1	118.9	121.7	123.2	123.2	123.2	120.3	118.9	118.9
162.5°	114.6	117.4	117.4	120.3	123.2	124.6	124.6	126.0	123.2	121.7	120.3
165°	120.3	121.7	121.7	123.2	126.0	127.5	126.0	127.5	126.0	124.6	123.2
167.5°	124.6	126.0	126.0	127.5	127.5	128.9	128.9	128.9	127.5	126.0	126.0
170°	128.9	130.3	130.3	130.3	130.3	130.3	130.3	130.3	128.9	126.0	126.0
172.5°	131.8	133.2	133.2	131.8	131.8	131.8	131.8	130.3	127.5	126.0	126.0
175°	133.2	134.6	134.6	133.2	131.8	131.8	131.8	130.3	127.5	126.0	126.0
177.5°	134.6	136.1	134.6	134.6	131.8	131.8	131.8	131.8	128.9	127.5	126.0
180°	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2	1505.2
2.5°	1503.8	1486.6	1498.0	1499.5	1505.2	1499.5	1503.8	1499.5	1510.9	1506.6
5°	1498.0	1482.3	1492.3	1493.7	1500.9	1493.7	1500.9	1498.0	1512.4	1508.1
7.5°	1488.0	1475.1	1483.7	1485.2	1493.7	1486.6	1493.7	1490.9	1508.1	1502.3
10°	1473.7	1463.7	1472.3	1473.7	1482.3	1475.1	1480.9	1478.0	1496.6	1488.0
12.5°	1457.9	1449.4	1456.5	1457.9	1468.0	1460.8	1468.0	1465.1	1483.7	1475.1
15°	1435.0	1430.7	1437.9	1440.8	1450.8	1445.1	1452.2	1449.4	1469.4	1457.9
17.5°	1412.1	1409.3	1416.4	1419.3	1430.7	1423.6	1430.7	1427.9	1447.9	1436.5
20°	1383.5	1382.0	1389.2	1393.5	1403.5	1396.4	1405.0	1402.1	1423.6	1412.1
22.5°	1353.4	1353.4	1359.1	1363.4	1373.4	1367.7	1376.3	1374.9	1396.4	1384.9
25°	1320.5	1321.9	1327.6	1333.3	1344.8	1340.5	1347.7	1347.7	1367.7	1353.4
27.5°	1283.2	1290.4	1294.7	1301.8	1311.9	1307.6	1314.7	1316.2	1336.2	1321.9
30°	1244.6	1254.6	1258.9	1267.5	1276.1	1276.1	1283.2	1286.1	1306.1	1291.8
32.5°	1204.5	1215.9	1221.6	1233.1	1244.6	1244.6	1254.6	1258.9	1278.9	1266.0
35°	1164.4	1180.1	1187.3	1201.6	1213.0	1214.5	1224.5	1230.2	1250.3	1237.4
37.5°	1125.7	1145.7	1152.9	1170.1	1180.1	1183.0	1194.4	1201.6	1220.2	1208.7
40°	1085.6	1109.9	1118.5	1137.1	1145.7	1151.5	1162.9	1171.5	1188.7	1178.7
42.5°	1046.9	1074.1	1082.7	1102.8	1112.8	1118.5	1130.0	1141.4	1158.6	1148.6
45°	1008.2	1038.3	1048.3	1069.8	1078.4	1087.0	1099.9	1109.9	1125.7	1117.1
47.5°	971.0	1002.5	1012.5	1035.5	1045.5	1055.5	1067.0	1081.3	1095.6	1087.0
50°	932.3	965.3	978.2	1002.5	1011.1	1022.6	1036.9	1049.8	1064.1	1056.9
52.5°	895.1	929.5	942.4	968.1	978.2	989.6	1003.9	1018.3	1031.2	1025.4
55°	855.0	892.2	906.6	933.8	943.8	955.3	971.0	986.8	998.2	993.9
57.5°	817.8	856.4	870.8	900.8	909.4	923.7	939.5	956.7	966.7	962.4
60°	780.5	819.2	836.4	866.5	876.5	890.8	906.6	925.2	933.8	930.9
62.5°	743.3	783.4	802.0	833.5	842.1	857.9	876.5	892.2	900.8	899.4
65°	708.9	747.6	769.1	800.6	809.2	826.4	843.5	860.7	869.3	869.3
67.5°	673.1	714.7	736.1	769.1	776.2	794.9	813.5	830.7	837.8	837.8
70°	640.2	680.3	704.6	737.6	744.7	761.9	782.0	800.6	806.3	807.7
72.5°	607.2	647.3	673.1	707.5	714.7	731.8	750.5	770.5	774.8	776.2
75°	575.7	615.8	641.6	676.0	683.1	700.3	720.4	739.0	744.7	746.2
77.5°	544.2	584.3	613.0	645.9	653.1	670.3	690.3	708.9	713.2	716.1
80°	515.6	554.2	581.5	617.3	624.4	641.6	660.2	678.8	681.7	686.0
82.5°	486.9	525.6	554.2	588.6	595.8	613.0	631.6	650.2	653.1	658.8
85°	459.7	498.4	527.0	560.0	568.6	584.3	604.4	621.6	624.4	628.7
87.5°	435.4	471.2	501.3	532.8	541.4	557.1	577.2	594.3	595.8	601.5
90°	409.6	445.4	475.5	507.0	515.6	529.9	550.0	567.1	570.0	574.3
92.5°	388.1	421.1	452.6	482.6	489.8	505.6	524.2	541.4	544.2	548.5
95°	365.2	398.1	429.6	458.3	465.5	481.2	498.4	515.6	518.4	522.7
97.5°	345.2	376.7	406.7	435.4	442.5	456.9	475.5	491.2	494.1	499.8
100°	326.5	356.6	388.1	413.9	421.1	435.4	452.6	468.3	471.2	476.9
102.5°	309.3	338.0	368.1	392.4	401.0	413.9	431.1	445.4	448.3	452.6
105°	293.6	320.8	349.4	372.4	381.0	393.8	409.6	423.9	426.8	431.1
107.5°	277.8	303.6	330.8	353.7	360.9	372.4	388.1	402.4	405.3	411.0
110°	263.5	289.3	315.1	336.6	345.2	353.7	369.5	382.4	385.3	389.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	250.6	273.5	299.3	319.4	326.5	336.6	349.4	362.3	365.2	370.9
115°	239.2	260.7	286.4	305.1	310.8	319.4	333.7	345.2	348.0	352.3
117.5°	229.1	247.8	270.7	289.3	296.5	303.6	316.5	326.5	330.8	333.7
120°	220.6	237.7	257.8	275.0	283.6	289.3	300.8	310.8	315.1	317.9
122.5°	212.0	227.7	246.3	262.1	269.2	273.5	286.4	295.0	299.3	303.6
125°	204.8	219.1	236.3	249.2	256.4	260.7	272.1	280.7	285.0	287.9
127.5°	197.6	210.5	227.7	237.7	244.9	247.8	257.8	266.4	270.7	272.1
130°	190.5	203.4	217.7	227.7	233.4	237.7	246.3	252.1	256.4	257.8
132.5°	184.7	196.2	209.1	219.1	224.8	226.3	234.9	240.6	244.9	246.3
135°	180.5	189.0	201.9	210.5	214.8	217.7	224.8	229.1	233.4	234.9
137.5°	174.7	183.3	194.8	200.5	206.2	207.7	214.8	219.1	223.4	224.8
140°	170.4	177.6	187.6	193.3	199.1	199.1	204.8	209.1	213.4	213.4
142.5°	166.1	173.3	181.9	187.6	191.9	191.9	197.6	200.5	204.8	204.8
145°	160.4	167.6	176.2	180.5	184.7	184.7	189.0	191.9	196.2	196.2
147.5°	154.7	161.8	170.4	173.3	177.6	177.6	181.9	184.7	187.6	187.6
150°	147.5	153.2	163.3	167.6	171.9	171.9	174.7	177.6	180.5	180.5
152.5°	141.8	146.1	154.7	160.4	164.7	164.7	167.6	170.4	173.3	173.3
155°	134.6	138.9	146.1	153.2	157.5	159.0	161.8	163.3	166.1	166.1
157.5°	128.9	133.2	138.9	144.6	148.9	151.8	156.1	157.5	159.0	159.0
160°	121.7	124.6	130.3	136.1	140.4	143.2	150.4	151.8	153.2	153.2
162.5°	118.9	118.9	121.7	126.0	130.3	131.8	138.9	144.6	147.5	146.1
165°	120.3	118.9	118.9	120.3	123.2	124.6	128.9	137.5	140.4	138.9
167.5°	123.2	120.3	118.9	118.9	121.7	121.7	126.0	133.2	141.8	138.9
170°	123.2	118.9	116.0	116.0	117.4	117.4	120.3	124.6	133.2	134.6
172.5°	121.7	118.9	114.6	108.8	110.3	108.8	107.4	110.3	111.7	126.0
175°	123.2	118.9	114.6	107.4	104.5	100.3	93.1	87.4	85.9	70.2
177.5°	121.7	117.4	111.7	106.0	103.1	97.4	88.8	78.8	73.0	64.4
180°	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0



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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	15.17	16.48	15.81	17.14	17.91	18.71	20.02	19.36	20.69	21.46
	3H	16.52	17.72	17.17	18.39	19.19	21.63	22.83	22.29	23.50	24.31
	4H	16.92	18.06	17.59	18.75	19.56	23.11	24.25	23.78	24.93	25.75
	6H	17.14	18.20	17.82	18.90	19.73	24.67	25.73	25.35	26.42	27.25
	8H	17.17	18.19	17.87	18.91	19.74	25.47	26.49	26.17	27.21	28.04
	12H	17.18	18.15	17.88	18.86	19.73	26.35	27.33	27.06	28.04	28.90
4H	2H	16.31	17.45	16.99	18.14	18.95	19.03	20.17	19.71	20.86	21.67
	3H	17.95	18.93	18.64	19.65	20.49	22.18	23.16	22.87	23.88	24.72
	4H	18.52	19.42	19.23	20.15	21.01	23.83	24.73	24.54	25.46	26.32
	6H	18.86	19.66	19.58	20.41	21.28	25.60	26.40	26.33	27.15	28.02
	8H	18.94	19.69	19.66	20.44	21.32	26.54	27.29	27.27	28.04	28.92
	12H	18.96	19.65	19.71	20.42	21.31	27.56	28.25	28.31	29.02	29.91
8H	4H	19.61	20.36	20.33	21.11	21.99	24.01	24.76	24.73	25.51	26.39
	6H	20.22	20.86	20.97	21.65	22.53	25.96	26.60	26.71	27.39	28.27
	8H	20.41	20.99	21.18	21.78	22.68	27.04	27.62	27.81	28.41	29.31
	12H	20.53	21.04	21.30	21.82	22.78	28.26	28.78	29.03	29.56	30.51
12H	4H	19.96	20.65	20.71	21.42	22.31	24.00	24.69	24.75	25.46	26.35
	6H	20.74	21.32	21.50	22.11	23.01	25.99	26.57	26.76	27.36	28.26
	8H	21.07	21.59	21.84	22.36	23.32	27.14	27.65	27.91	28.43	29.39