

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: P893665

Luminaire Tested: 4MB-5SL-RND-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-5SL-RND-UNV-L830
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

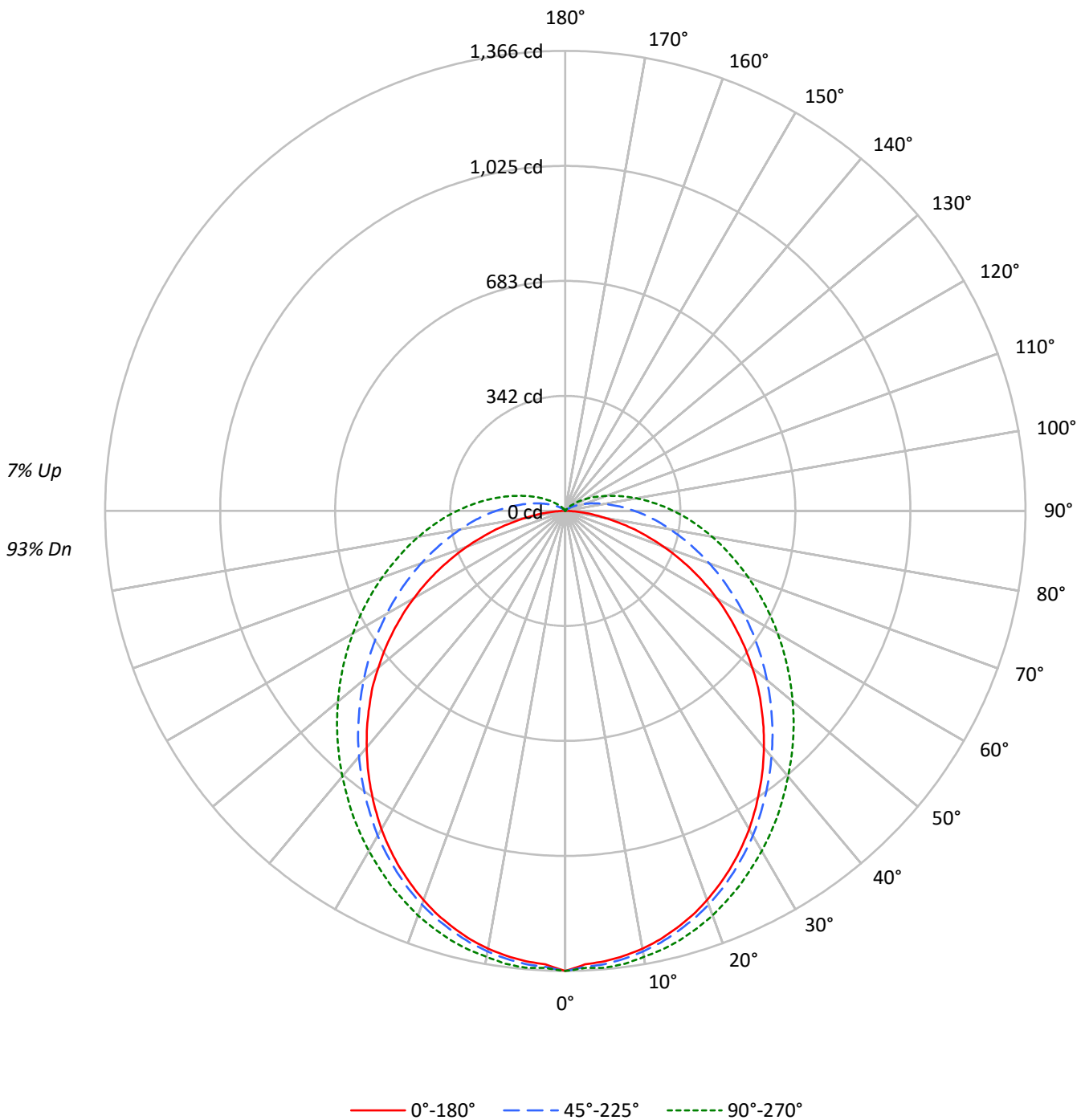
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.55
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9719	9719	9719
5°	9588	9649	9725
10°	9537	9599	9714
15°	9440	9518	9715
20°	9315	9420	9679
25°	9155	9289	9625
30°	8966	9150	9580
35°	8745	8986	9562
40°	8518	8845	9560
45°	8281	8722	9625
50°	8022	8648	9748
55°	7729	8631	9983
60°	7392	8714	10358
65°	6982	8943	10977
70°	6470	9451	12028
75°	5847	10518	13957
80°	4950	12964	18131
85°	4016	21119	31062

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 57188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	2.9
10°-20°	368.1	8.1
20°-30°	551.1	12.2
30°-40°	657.1	14.5
40°-50°	681.5	15.1
50°-60°	632.3	14.0
60°-70°	527.5	11.7
70°-80°	393.3	8.7
80°-90°	261.9	5.8
90°-100°	159.4	3.5
100°-110°	89.0	2.0
110°-120°	44.5	1.0
120°-130°	18.6	0.4
130°-140°	5.9	0.1
140°-150°	1.5	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1048.4	23.2
0°-40°	1705.5	37.7
0°-60°	3019.4	66.8
0°-90°	4202.0	92.9
90°-120°	292.9	6.5
90°-150°	318.8	7.0
90°-180°	320.0	7.1
0°-180°	4522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1366	1366	1366	1366	1366	
5°	1342	1374	1351	1358	1362	127
15°	1282	1315	1292	1316	1319	361
25°	1166	1197	1183	1216	1226	537
35°	1007	1034	1035	1086	1101	630
45°	823	844	867	935	957	635
55°	623	644	696	777	805	557
65°	415	448	531	621	652	410
75°	213	272	383	476	508	225
85°	49	135	259	347	380	55
90°	2	89	205	290	321	4
95°	0	54	158	237	265	0
105°	0	17	87	146	169	0
115°	1	4	41	82	98	1
125°	1	1	16	40	49	1
135°	1	1	4	14	18	1
145°	1	1	1	3	4	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0
2.5°	1347.8	1349.9	1369.2	1368.1	1364.9	1377.7	1380.9	1370.3	1353.2	1370.3	1355.3
5°	1342.5	1344.6	1363.8	1362.8	1359.6	1373.5	1374.5	1364.9	1347.8	1364.9	1351.0
7.5°	1332.8	1335.0	1354.2	1353.2	1351.0	1364.9	1363.8	1356.4	1338.2	1356.4	1341.4
10°	1320.0	1321.1	1341.4	1339.3	1338.2	1352.1	1348.9	1342.5	1324.3	1342.5	1328.6
12.5°	1302.9	1304.0	1324.3	1322.2	1322.2	1335.0	1330.7	1325.4	1307.2	1324.3	1312.5
15°	1281.5	1282.6	1301.8	1300.8	1300.8	1314.7	1308.3	1304.0	1286.9	1305.1	1292.2
17.5°	1258.0	1257.0	1277.3	1275.1	1277.3	1290.1	1281.5	1279.4	1263.4	1280.5	1269.8
20°	1230.2	1230.2	1248.4	1247.3	1250.5	1262.3	1251.6	1252.7	1236.6	1254.8	1244.1
22.5°	1199.2	1198.2	1216.3	1216.3	1219.5	1231.3	1219.5	1222.8	1206.7	1223.8	1215.3
25°	1166.1	1164.0	1182.1	1182.1	1187.5	1197.1	1184.3	1188.6	1173.6	1190.7	1183.2
27.5°	1129.8	1126.6	1144.7	1145.8	1150.1	1159.7	1145.8	1152.2	1138.3	1154.3	1149.0
30°	1091.3	1088.1	1106.2	1107.3	1112.7	1120.1	1106.2	1114.8	1102.0	1118.0	1113.7
32.5°	1049.6	1047.5	1064.6	1066.7	1072.0	1077.4	1064.6	1073.1	1062.4	1078.5	1074.2
35°	1006.8	1004.7	1020.7	1023.9	1029.3	1033.6	1019.7	1031.4	1021.8	1036.8	1034.6
37.5°	963.0	959.8	976.9	979.1	985.5	987.6	974.8	988.7	980.1	995.1	994.0
40°	917.1	913.9	931.0	933.1	939.5	939.5	928.8	943.8	937.4	951.3	952.3
42.5°	871.1	867.9	882.9	887.1	892.5	892.5	881.8	897.8	893.6	907.4	910.7
45°	823.0	819.8	833.7	838.0	844.4	844.4	833.7	851.9	848.7	862.6	866.8
47.5°	776.0	771.7	784.5	788.8	795.2	794.1	785.6	803.8	802.7	816.6	824.1
50°	724.7	721.5	734.3	738.6	746.1	743.9	737.5	756.7	756.7	770.6	781.3
52.5°	674.4	671.2	684.1	688.3	694.7	694.7	688.3	708.6	711.8	725.7	738.6
55°	623.1	618.9	631.7	636.0	643.4	644.5	639.2	659.5	665.9	681.9	695.8
57.5°	571.8	569.7	580.4	584.7	594.3	594.3	591.1	612.4	621.0	638.1	654.1
60°	519.5	517.3	526.9	532.3	543.0	545.1	543.0	565.4	577.2	594.3	612.4
62.5°	467.1	464.9	474.6	482.0	493.8	495.9	497.0	520.5	533.4	551.5	571.8
65°	414.7	412.6	422.2	430.7	444.6	447.8	451.1	475.6	490.6	509.8	531.2
67.5°	362.3	361.3	370.9	381.6	396.5	400.8	406.2	431.8	448.9	469.2	492.7
70°	311.0	310.0	319.6	332.4	350.6	355.9	362.3	388.0	409.4	430.7	454.3
72.5°	259.7	260.8	271.5	286.4	306.8	312.1	320.7	347.4	370.9	393.3	417.9
75°	212.7	212.7	224.5	241.6	264.0	271.5	281.1	308.9	333.5	357.0	382.6
77.5°	164.6	164.6	178.5	199.9	224.5	231.9	243.7	272.6	299.3	322.8	348.4
80°	120.8	122.9	138.9	160.3	186.0	195.6	209.5	238.4	267.2	290.7	316.4
82.5°	82.3	85.5	102.6	127.2	152.8	162.5	176.4	207.4	236.2	260.8	287.5
85°	49.2	54.5	72.7	97.3	124.0	134.7	149.6	178.5	207.4	231.9	258.7
87.5°	22.4	29.9	49.2	73.7	99.4	111.2	124.0	151.8	180.6	205.2	233.0
90°	2.1	12.8	32.1	53.4	78.0	88.7	101.5	128.3	156.1	178.5	205.2
92.5°	0.0	5.3	19.2	38.5	59.9	70.5	82.3	108.0	132.5	155.0	180.6
95°	0.0	2.1	10.7	26.7	44.9	54.5	65.2	88.7	113.3	134.7	158.2
97.5°	0.0	1.1	6.4	18.2	33.1	41.7	51.3	72.7	95.1	115.4	136.8
100°	0.0	1.1	3.2	11.8	24.6	31.0	40.6	58.8	79.1	97.3	118.6
102.5°	0.0	0.0	2.1	7.5	18.2	23.5	31.0	47.0	65.2	82.3	101.5
105°	0.0	0.0	1.1	5.3	12.8	17.1	23.5	37.4	53.4	68.4	86.6
107.5°	0.0	0.0	1.1	3.2	8.6	12.8	18.2	28.9	42.8	56.6	72.7
110°	1.1	1.1	1.1	2.1	6.4	9.6	12.8	22.4	35.3	47.0	60.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.1	1.1	1.1	1.1	4.3	6.4	9.6	17.1	27.8	37.4	50.2
115°	1.1	1.1	1.1	1.1	3.2	4.3	6.4	12.8	21.4	29.9	40.6
117.5°	1.1	1.1	1.1	1.1	2.1	3.2	4.3	9.6	16.0	23.5	33.1
120°	1.1	1.1	1.1	1.1	1.1	2.1	3.2	6.4	12.8	18.2	26.7
122.5°	1.1	1.1	1.1	1.1	1.1	2.1	2.1	5.3	9.6	13.9	20.3
125°	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	6.4	10.7	16.0
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	4.3	7.5	11.8
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	5.3	8.6
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	4.3	6.4
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	4.3
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	3.2
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
145°	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1
165°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1
167.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1
170°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
172.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1
175°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
177.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0
2.5°	1359.6	1362.8	1366.0	1357.4	1362.8	1372.4	1375.6	1362.8	1367.0	1358.5
5°	1355.3	1357.4	1361.7	1351.0	1358.5	1367.0	1372.4	1361.7	1368.1	1361.7
7.5°	1346.7	1348.9	1354.2	1343.5	1353.2	1360.6	1367.0	1356.4	1362.8	1356.4
10°	1333.9	1337.1	1344.6	1331.8	1343.5	1349.9	1356.4	1344.6	1351.0	1344.6
12.5°	1317.9	1323.2	1329.6	1317.9	1329.6	1335.0	1343.5	1331.8	1339.3	1333.9
15°	1298.6	1304.0	1312.5	1300.8	1315.7	1320.0	1328.6	1316.8	1324.3	1318.9
17.5°	1276.2	1282.6	1293.3	1279.4	1296.5	1299.7	1308.3	1297.6	1305.1	1299.7
20°	1250.5	1257.0	1267.6	1254.8	1271.9	1274.1	1283.7	1274.1	1281.5	1278.3
22.5°	1220.6	1228.1	1238.8	1227.0	1245.2	1245.2	1257.0	1247.3	1255.9	1252.7
25°	1189.6	1198.2	1209.9	1197.1	1216.3	1216.3	1229.2	1219.5	1228.1	1226.0
27.5°	1156.5	1166.1	1180.0	1167.2	1186.4	1185.3	1198.2	1189.6	1199.2	1196.0
30°	1121.2	1131.9	1145.8	1135.1	1155.4	1153.3	1166.1	1158.6	1167.2	1166.1
32.5°	1082.7	1094.5	1111.6	1099.8	1120.1	1118.0	1134.0	1125.5	1136.2	1134.0
35°	1044.3	1057.1	1074.2	1063.5	1085.9	1082.7	1098.8	1091.3	1102.0	1100.9
37.5°	1004.7	1018.6	1035.7	1027.2	1048.5	1045.3	1062.4	1056.0	1067.8	1064.6
40°	964.1	978.0	996.2	988.7	1011.1	1006.8	1025.0	1019.7	1031.4	1029.3
42.5°	923.5	938.4	956.6	952.3	973.7	969.4	987.6	983.3	995.1	993.0
45°	881.8	897.8	917.1	912.8	935.2	931.0	949.1	945.9	957.7	956.6
47.5°	840.1	857.2	876.4	874.3	895.7	891.4	910.7	907.4	919.2	919.2
50°	797.4	816.6	835.8	834.8	856.1	851.9	869.0	869.0	881.8	880.7
52.5°	754.6	774.9	795.2	795.2	816.6	812.3	831.6	830.5	843.3	843.3
55°	714.0	732.2	752.5	756.7	777.0	770.6	790.9	793.1	803.8	804.8
57.5°	673.4	692.6	712.9	718.3	737.5	733.2	752.5	754.6	765.3	766.4
60°	632.8	650.9	671.2	678.7	698.0	693.7	712.9	715.1	726.8	727.9
62.5°	592.1	610.3	632.8	640.2	658.4	655.2	675.5	677.6	688.3	690.5
65°	552.6	571.8	593.2	603.9	621.0	616.7	637.0	639.2	650.9	652.0
67.5°	514.1	533.4	554.7	566.5	582.5	580.4	599.6	603.9	613.5	615.7
70°	476.7	495.9	518.4	530.1	546.2	545.1	563.3	566.5	577.2	578.2
72.5°	440.4	459.6	482.0	495.9	509.8	508.8	526.9	531.2	541.9	543.0
75°	405.1	425.4	446.8	461.7	475.6	474.6	492.7	497.0	506.6	507.7
77.5°	372.0	392.3	414.7	429.7	441.4	442.5	458.5	462.8	472.4	475.6
80°	341.0	360.2	381.6	397.6	408.3	410.4	425.4	430.7	438.2	442.5
82.5°	311.0	330.3	351.6	366.6	377.3	379.4	393.3	399.7	407.2	410.4
85°	282.2	301.4	321.7	337.8	347.4	348.4	362.3	368.7	375.2	380.5
87.5°	254.4	273.6	292.9	310.0	318.5	320.7	333.5	339.9	345.2	350.6
90°	226.6	245.8	265.1	281.1	289.7	290.7	304.6	311.0	316.4	320.7
92.5°	200.9	220.2	239.4	255.5	262.9	265.1	276.8	284.3	288.6	292.9
95°	176.4	195.6	212.7	229.8	237.3	240.5	251.2	257.6	262.9	265.1
97.5°	155.0	172.1	188.1	205.2	211.6	214.8	225.5	233.0	237.3	239.4
100°	134.7	150.7	165.7	181.7	188.1	191.3	200.9	207.4	211.6	214.8
102.5°	116.5	131.5	145.4	160.3	166.7	168.9	177.4	183.8	188.1	191.3
105°	100.5	114.4	127.2	141.1	146.4	149.6	157.1	162.5	166.7	168.9
107.5°	85.5	99.4	110.1	122.9	128.3	130.4	137.9	144.3	147.5	148.6
110°	72.7	84.4	95.1	105.8	112.2	114.4	120.8	126.1	129.3	130.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	60.9	71.6	81.2	90.9	96.2	98.3	104.7	110.1	112.2	113.3
115°	50.2	60.9	68.4	78.0	82.3	84.4	89.8	95.1	96.2	98.3
117.5°	40.6	50.2	57.7	65.2	69.5	71.6	75.9	80.2	82.3	83.4
120°	33.1	40.6	47.0	54.5	57.7	59.9	64.1	68.4	69.5	70.5
122.5°	26.7	33.1	38.5	44.9	48.1	50.2	53.4	56.6	57.7	58.8
125°	20.3	26.7	31.0	36.3	39.5	40.6	43.8	47.0	48.1	49.2
127.5°	16.0	20.3	24.6	28.9	31.0	32.1	35.3	37.4	38.5	39.5
130°	11.8	15.0	18.2	22.4	24.6	25.7	27.8	29.9	31.0	31.0
132.5°	8.6	11.8	13.9	17.1	18.2	19.2	21.4	23.5	23.5	24.6
135°	5.3	7.5	9.6	11.8	13.9	13.9	16.0	17.1	18.2	18.2
137.5°	4.3	5.3	6.4	8.6	9.6	10.7	10.7	12.8	12.8	12.8
140°	3.2	4.3	4.3	5.3	6.4	7.5	7.5	8.6	8.6	8.6
142.5°	2.1	3.2	3.2	4.3	4.3	5.3	5.3	5.3	6.4	6.4
145°	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3	4.3	4.3
147.5°	1.1	1.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2	3.2
150°	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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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	18.19	19.73	18.66	20.18	20.67	19.76	21.30	20.23	21.75	22.24
	3H	19.87	21.27	20.35	21.74	22.26	22.39	23.79	22.87	24.26	24.78
	4H	20.46	21.79	20.97	22.28	22.82	23.70	25.03	24.20	25.51	26.05
	6H	20.86	22.10	21.38	22.60	23.16	25.10	26.34	25.62	26.84	27.40
	8H	20.98	22.17	21.51	22.69	23.25	25.85	27.04	26.38	27.56	28.12
	12H	21.05	22.19	21.59	22.71	23.30	26.70	27.84	27.24	28.36	28.95
4H	2H	19.12	20.45	19.62	20.93	21.47	20.31	21.64	20.82	22.13	22.67
	3H	21.10	22.23	21.61	22.76	23.32	23.23	24.36	23.74	24.89	25.45
	4H	21.87	22.91	22.41	23.45	24.05	24.75	25.79	25.29	26.33	26.93
	6H	22.45	23.37	23.01	23.94	24.55	26.39	27.31	26.95	27.88	28.49
	8H	22.63	23.50	23.20	24.06	24.69	27.28	28.14	27.84	28.71	29.33
	12H	22.76	23.55	23.34	24.14	24.77	28.28	29.07	28.86	29.66	30.29
8H	4H	22.75	23.62	23.31	24.18	24.80	25.11	25.98	25.67	26.54	27.17
	6H	23.63	24.37	24.23	24.97	25.60	27.01	27.75	27.61	28.36	28.98
	8H	23.98	24.65	24.59	25.26	25.90	28.10	28.76	28.70	29.38	30.02
	12H	24.25	24.85	24.86	25.45	26.16	29.36	29.96	29.97	30.56	31.27
12H	4H	23.03	23.82	23.61	24.41	25.03	25.15	25.94	25.74	26.53	27.16
	6H	24.08	24.75	24.69	25.36	26.00	27.12	27.79	27.73	28.41	29.05
	8H	24.60	25.19	25.21	25.80	26.51	28.32	28.92	28.93	29.52	30.23