

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: P893781

Luminaire Tested: 4MB-6SL-RND-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893781
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-6SL-RND-UNV-L930
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

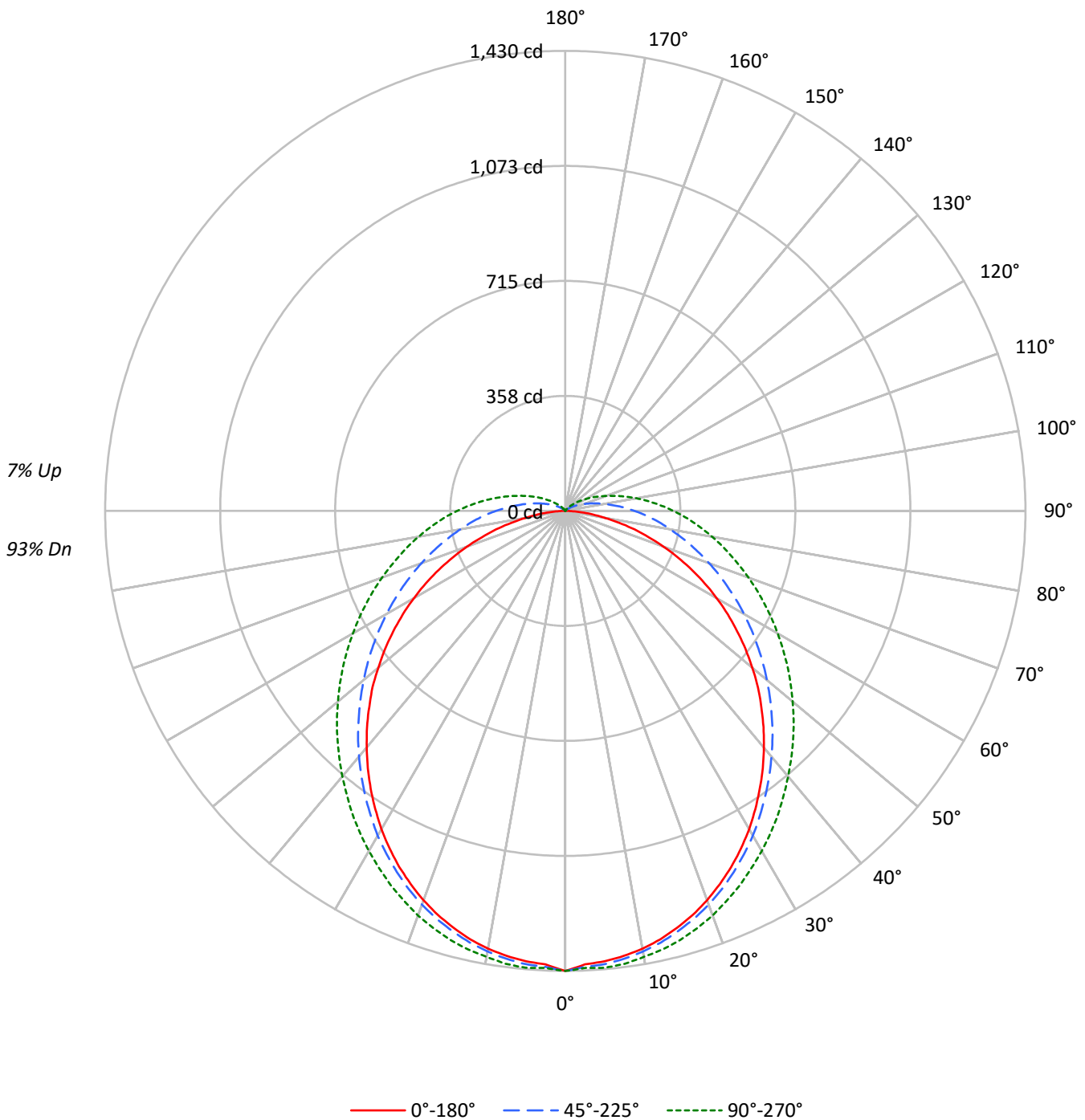
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4733.9 lumens
Efficiency: N/A
Efficacy: 106.6 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): 44.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4
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°	10174	10174	10174
5°	10038	10102	10181
10°	9984	10049	10170
15°	9882	9965	10171
20°	9751	9862	10133
25°	9584	9724	10075
30°	9386	9579	10030
35°	9156	9408	10010
40°	8917	9260	10008
45°	8670	9131	10077
50°	8397	9054	10206
55°	8092	9036	10452
60°	7738	9124	10843
65°	7310	9362	11492
70°	6773	9894	12594
75°	6122	11013	14611
80°	5179	13570	18979
85°	4204	22107	32515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 59863 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	2.9
10°-20°	385.3	8.1
20°-30°	577.0	12.2
30°-40°	687.9	14.5
40°-50°	713.5	15.1
50°-60°	661.9	14.0
60°-70°	552.2	11.7
70°-80°	411.7	8.7
80°-90°	274.1	5.8
90°-100°	166.9	3.5
100°-110°	93.2	2.0
110°-120°	46.5	1.0
120°-130°	19.5	0.4
130°-140°	6.1	0.1
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1097.5	23.2
0°-40°	1785.5	37.7
0°-60°	3160.9	66.8
0°-90°	4399.0	92.9
90°-120°	306.6	6.5
90°-150°	333.7	7.0
90°-180°	335.0	7.1
0°-180°	4733.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1405	1438	1414	1422	1426	133
15°	1342	1376	1353	1377	1381	378
25°	1221	1253	1239	1273	1283	562
35°	1054	1082	1083	1137	1152	659
45°	862	884	908	979	1002	665
55°	652	675	728	814	843	583
65°	434	469	556	650	683	430
75°	223	284	401	498	532	235
85°	52	141	271	364	398	58
90°	2	93	215	303	336	4
95°	0	57	166	248	278	0
105°	0	18	91	153	177	0
115°	1	4	42	86	103	1
125°	1	1	17	41	52	1
135°	1	1	4	14	19	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	



TEST NUMBER: P893781
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0
2.5°	1411.0	1413.2	1433.4	1432.3	1428.9	1442.3	1445.7	1434.5	1416.6	1434.5	1418.8
5°	1405.4	1407.6	1427.8	1426.7	1423.3	1437.9	1439.0	1428.9	1411.0	1428.9	1414.4
7.5°	1395.3	1397.6	1417.7	1416.6	1414.4	1428.9	1427.8	1419.9	1400.9	1419.9	1404.3
10°	1381.9	1383.0	1404.3	1402.0	1400.9	1415.5	1412.1	1405.4	1386.4	1405.4	1390.9
12.5°	1364.0	1365.1	1386.4	1384.1	1384.1	1397.6	1393.1	1387.5	1368.5	1386.4	1374.1
15°	1341.6	1342.7	1362.9	1361.8	1361.8	1376.3	1369.6	1365.1	1347.2	1366.2	1352.8
17.5°	1317.0	1315.9	1337.1	1334.9	1337.1	1350.6	1341.6	1339.4	1322.6	1340.5	1329.3
20°	1287.9	1287.9	1306.9	1305.8	1309.2	1321.5	1310.3	1311.4	1294.6	1313.6	1302.5
22.5°	1255.5	1254.3	1273.4	1273.4	1276.7	1289.0	1276.7	1280.1	1263.3	1281.2	1272.2
25°	1220.8	1218.5	1237.6	1237.6	1243.2	1253.2	1239.8	1244.3	1228.6	1246.5	1238.7
27.5°	1182.7	1179.4	1198.4	1199.5	1204.0	1214.1	1199.5	1206.2	1191.7	1208.5	1202.9
30°	1142.4	1139.1	1158.1	1159.2	1164.8	1172.7	1158.1	1167.1	1153.6	1170.4	1165.9
32.5°	1098.8	1096.6	1114.5	1116.7	1122.3	1127.9	1114.5	1123.4	1112.2	1129.0	1124.5
35°	1054.1	1051.8	1068.6	1072.0	1077.5	1082.0	1067.5	1079.8	1069.7	1085.4	1083.1
37.5°	1008.2	1004.8	1022.7	1025.0	1031.7	1033.9	1020.5	1035.0	1026.1	1041.7	1040.6
40°	960.1	956.7	974.6	976.8	983.6	983.6	972.4	988.0	981.3	995.9	997.0
42.5°	911.9	908.6	924.3	928.7	934.3	934.3	923.1	939.9	935.4	950.0	953.3
45°	861.6	858.2	872.8	877.3	884.0	884.0	872.8	891.8	888.4	903.0	907.5
47.5°	812.4	807.9	821.3	825.8	832.5	831.4	822.4	841.5	840.3	854.9	862.7
50°	758.6	755.3	768.7	773.2	781.0	778.8	772.1	792.2	792.2	806.8	818.0
52.5°	706.1	702.7	716.1	720.6	727.3	727.3	720.6	741.9	745.2	759.8	773.2
55°	652.3	647.9	661.3	665.8	673.6	674.7	669.1	690.4	697.1	713.9	728.4
57.5°	598.6	596.4	607.6	612.1	622.1	622.1	618.8	641.2	650.1	668.0	684.8
60°	543.8	541.6	551.6	557.2	568.4	570.7	568.4	591.9	604.2	622.1	641.2
62.5°	489.0	486.7	496.8	504.6	517.0	519.2	520.3	544.9	558.4	577.4	598.6
65°	434.2	431.9	442.0	450.9	465.5	468.8	472.2	497.9	513.6	533.7	556.1
67.5°	379.3	378.2	388.3	399.5	415.1	419.6	425.2	452.1	470.0	491.2	515.8
70°	325.6	324.5	334.6	348.0	367.0	372.6	379.3	406.2	428.6	450.9	475.6
72.5°	271.9	273.0	284.2	299.9	321.1	326.7	335.7	363.7	388.3	411.8	437.5
75°	222.7	222.7	235.0	252.9	276.4	284.2	294.3	323.4	349.1	373.7	400.6
77.5°	172.3	172.3	186.9	209.2	235.0	242.8	255.1	285.3	313.3	337.9	364.8
80°	126.4	128.7	145.5	167.8	194.7	204.8	219.3	249.5	279.7	304.4	331.2
82.5°	86.2	89.5	107.4	133.2	160.0	170.1	184.6	217.1	247.3	273.0	301.0
85°	51.5	57.1	76.1	101.8	129.8	141.0	156.7	186.9	217.1	242.8	270.8
87.5°	23.5	31.3	51.5	77.2	104.1	116.4	129.8	158.9	189.1	214.8	243.9
90°	2.2	13.4	33.6	55.9	81.7	92.9	106.3	134.3	163.4	186.9	214.8
92.5°	0.0	5.6	20.1	40.3	62.7	73.9	86.2	113.0	138.7	162.2	189.1
95°	0.0	2.2	11.2	28.0	47.0	57.1	68.3	92.9	118.6	141.0	165.6
97.5°	0.0	1.1	6.7	19.0	34.7	43.6	53.7	76.1	99.6	120.8	143.2
100°	0.0	1.1	3.4	12.3	25.7	32.4	42.5	61.5	82.8	101.8	124.2
102.5°	0.0	0.0	2.2	7.8	19.0	24.6	32.4	49.2	68.3	86.2	106.3
105°	0.0	0.0	1.1	5.6	13.4	17.9	24.6	39.2	55.9	71.6	90.6
107.5°	0.0	0.0	1.1	3.4	9.0	13.4	19.0	30.2	44.8	59.3	76.1
110°	1.1	1.1	1.1	2.2	6.7	10.1	13.4	23.5	36.9	49.2	63.8



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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	4.5	6.7	10.1	17.9	29.1	39.2	52.6
115°	1.1	1.1	1.1	1.1	3.4	4.5	6.7	13.4	22.4	31.3	42.5
117.5°	1.1	1.1	1.1	1.1	2.2	3.4	4.5	10.1	16.8	24.6	34.7
120°	1.1	1.1	1.1	1.1	1.1	2.2	3.4	6.7	13.4	19.0	28.0
122.5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.6	10.1	14.5	21.3
125°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	6.7	11.2	16.8
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5	7.8	12.3
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	5.6	9.0
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5	6.7
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.4
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
145°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
155°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
170°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
175°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0	1430.0
2.5°	1423.3	1426.7	1430.0	1421.1	1426.7	1436.7	1440.1	1426.7	1431.1	1422.2
5°	1418.8	1421.1	1425.5	1414.4	1422.2	1431.1	1436.7	1425.5	1432.3	1425.5
7.5°	1409.9	1412.1	1417.7	1406.5	1416.6	1424.4	1431.1	1419.9	1426.7	1419.9
10°	1396.4	1399.8	1407.6	1394.2	1406.5	1413.2	1419.9	1407.6	1414.4	1407.6
12.5°	1379.7	1385.3	1392.0	1379.7	1392.0	1397.6	1406.5	1394.2	1402.0	1396.4
15°	1359.5	1365.1	1374.1	1361.8	1377.4	1381.9	1390.9	1378.5	1386.4	1380.8
17.5°	1336.0	1342.7	1353.9	1339.4	1357.3	1360.6	1369.6	1358.4	1366.2	1360.6
20°	1309.2	1315.9	1327.1	1313.6	1331.5	1333.8	1343.9	1333.8	1341.6	1338.3
22.5°	1277.8	1285.7	1296.9	1284.6	1303.6	1303.6	1315.9	1305.8	1314.8	1311.4
25°	1245.4	1254.3	1266.7	1253.2	1273.4	1273.4	1286.8	1276.7	1285.7	1283.4
27.5°	1210.7	1220.8	1235.3	1221.9	1242.0	1240.9	1254.3	1245.4	1255.5	1252.1
30°	1173.8	1185.0	1199.5	1188.3	1209.6	1207.3	1220.8	1212.9	1221.9	1220.8
32.5°	1133.5	1145.8	1163.7	1151.4	1172.7	1170.4	1187.2	1178.3	1189.4	1187.2
35°	1093.2	1106.6	1124.5	1113.4	1136.9	1133.5	1150.3	1142.4	1153.6	1152.5
37.5°	1051.8	1066.4	1084.3	1075.3	1097.7	1094.3	1112.2	1105.5	1117.8	1114.5
40°	1009.3	1023.8	1042.9	1035.0	1058.5	1054.1	1073.1	1067.5	1079.8	1077.5
42.5°	966.8	982.4	1001.5	997.0	1019.4	1014.9	1033.9	1029.4	1041.7	1039.5
45°	923.1	939.9	960.1	955.6	979.1	974.6	993.6	990.3	1002.6	1001.5
47.5°	879.5	897.4	917.5	915.3	937.7	933.2	953.3	950.0	962.3	962.3
50°	834.7	854.9	875.0	873.9	896.3	891.8	909.7	909.7	923.1	922.0
52.5°	790.0	811.2	832.5	832.5	854.9	850.4	870.5	869.4	882.9	882.9
55°	747.5	766.5	787.7	792.2	813.5	806.8	828.0	830.3	841.5	842.6
57.5°	704.9	725.1	746.3	751.9	772.1	767.6	787.7	790.0	801.2	802.3
60°	662.4	681.4	702.7	710.5	730.7	726.2	746.3	748.6	760.9	762.0
62.5°	619.9	638.9	662.4	670.3	689.3	685.9	707.2	709.4	720.6	722.8
65°	578.5	598.6	621.0	632.2	650.1	645.6	666.9	669.1	681.4	682.6
67.5°	538.2	558.4	580.7	593.0	609.8	607.6	627.7	632.2	642.3	644.5
70°	499.1	519.2	542.7	555.0	571.8	570.7	589.7	593.0	604.2	605.4
72.5°	461.0	481.1	504.6	519.2	533.7	532.6	551.6	556.1	567.3	568.4
75°	424.1	445.3	467.7	483.4	497.9	496.8	515.8	520.3	530.4	531.5
77.5°	389.4	410.7	434.2	449.8	462.1	463.2	480.0	484.5	494.6	497.9
80°	356.9	377.1	399.5	416.2	427.4	429.7	445.3	450.9	458.8	463.2
82.5°	325.6	345.8	368.1	383.8	395.0	397.2	411.8	418.5	426.3	429.7
85°	295.4	315.5	336.8	353.6	363.7	364.8	379.3	386.0	392.8	398.3
87.5°	266.3	286.5	306.6	324.5	333.4	335.7	349.1	355.8	361.4	367.0
90°	237.2	257.4	277.5	294.3	303.2	304.4	318.9	325.6	331.2	335.7
92.5°	210.4	230.5	250.6	267.4	275.3	277.5	289.8	297.6	302.1	306.6
95°	184.6	204.8	222.7	240.6	248.4	251.8	263.0	269.7	275.3	277.5
97.5°	162.2	180.2	196.9	214.8	221.6	224.9	236.1	243.9	248.4	250.6
100°	141.0	157.8	173.4	190.2	196.9	200.3	210.4	217.1	221.6	224.9
102.5°	122.0	137.6	152.2	167.8	174.6	176.8	185.7	192.5	196.9	200.3
105°	105.2	119.7	133.2	147.7	153.3	156.7	164.5	170.1	174.6	176.8
107.5°	89.5	104.1	115.3	128.7	134.3	136.5	144.3	151.1	154.4	155.5
110°	76.1	88.4	99.6	110.8	117.5	119.7	126.4	132.0	135.4	136.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	63.8	75.0	85.0	95.1	100.7	102.9	109.7	115.3	117.5	118.6
115°	52.6	63.8	71.6	81.7	86.2	88.4	94.0	99.6	100.7	102.9
117.5°	42.5	52.6	60.4	68.3	72.7	75.0	79.4	83.9	86.2	87.3
120°	34.7	42.5	49.2	57.1	60.4	62.7	67.1	71.6	72.7	73.9
122.5°	28.0	34.7	40.3	47.0	50.4	52.6	55.9	59.3	60.4	61.5
125°	21.3	28.0	32.4	38.0	41.4	42.5	45.9	49.2	50.4	51.5
127.5°	16.8	21.3	25.7	30.2	32.4	33.6	36.9	39.2	40.3	41.4
130°	12.3	15.7	19.0	23.5	25.7	26.9	29.1	31.3	32.4	32.4
132.5°	9.0	12.3	14.5	17.9	19.0	20.1	22.4	24.6	24.6	25.7
135°	5.6	7.8	10.1	12.3	14.5	14.5	16.8	17.9	19.0	19.0
137.5°	4.5	5.6	6.7	9.0	10.1	11.2	11.2	13.4	13.4	13.4
140°	3.4	4.5	4.5	5.6	6.7	7.8	7.8	9.0	9.0	9.0
142.5°	2.2	3.4	3.4	4.5	4.5	5.6	5.6	5.6	6.7	6.7
145°	2.2	2.2	2.2	3.4	3.4	3.4	3.4	4.5	4.5	4.5
147.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.4	3.4	3.4
150°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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	18.35	19.88	18.82	20.34	20.83	19.92	21.45	20.39	21.91	22.40
	3H	20.02	21.43	20.51	21.89	22.42	22.54	23.95	23.03	24.41	24.94
	4H	20.62	21.95	21.13	22.44	22.98	23.86	25.19	24.36	25.67	26.21
	6H	21.02	22.26	21.54	22.76	23.32	25.26	26.50	25.78	27.00	27.56
	8H	21.14	22.33	21.67	22.85	23.41	26.01	27.20	26.54	27.72	28.28
	12H	21.21	22.35	21.75	22.87	23.46	26.86	28.00	27.40	28.52	29.11
4H	2H	19.28	20.61	19.78	21.09	21.63	20.47	21.80	20.98	22.29	22.83
	3H	21.25	22.39	21.77	22.92	23.48	23.39	24.52	23.90	25.05	25.61
	4H	22.03	23.07	22.57	23.61	24.20	24.91	25.95	25.45	26.49	27.09
	6H	22.61	23.53	23.17	24.10	24.70	26.55	27.47	27.11	28.04	28.65
	8H	22.79	23.66	23.35	24.22	24.85	27.44	28.30	28.00	28.87	29.49
	12H	22.92	23.71	23.50	24.30	24.92	28.44	29.23	29.02	29.82	30.45
8H	4H	22.91	23.78	23.47	24.34	24.96	25.27	26.14	25.83	26.70	27.32
	6H	23.79	24.53	24.38	25.13	25.76	27.17	27.91	27.77	28.52	29.14
	8H	24.14	24.80	24.74	25.42	26.06	28.26	28.92	28.86	29.54	30.18
	12H	24.41	25.01	25.02	25.61	26.32	29.52	30.12	30.13	30.72	31.43
12H	4H	23.19	23.97	23.77	24.57	25.19	25.31	26.10	25.90	26.69	27.32
	6H	24.24	24.91	24.85	25.52	26.16	27.28	27.95	27.89	28.57	29.21
	8H	24.76	25.35	25.37	25.96	26.66	28.48	29.07	29.09	29.68	30.39