

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: P893784

Luminaire Tested: 4MB-6SL-RND-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893784
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-L950
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

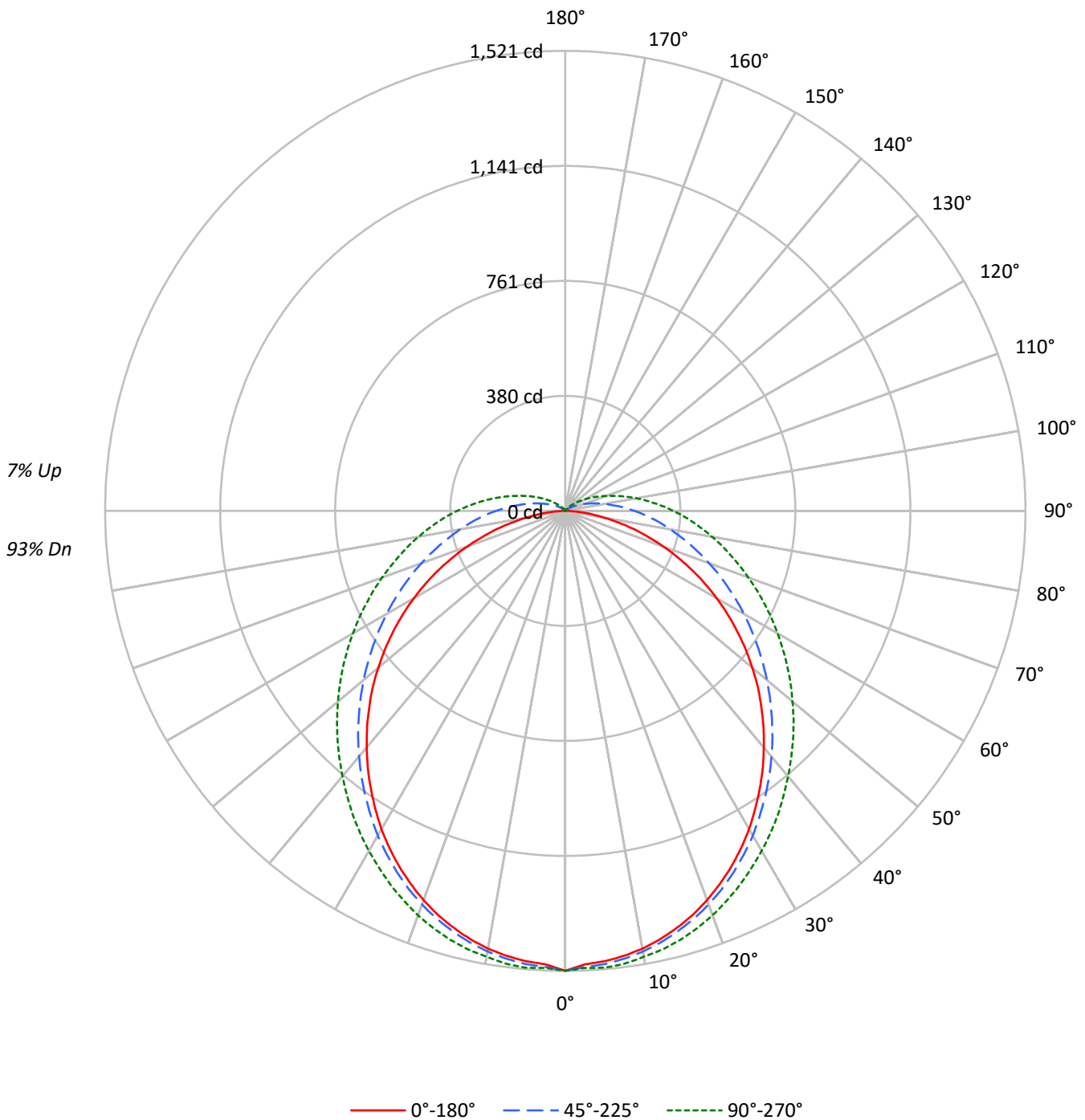
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5034.0 lumens
Efficiency: N/A
Efficacy: 113.4 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 (Ain): 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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CATALOG NUMBER: 4MB-6SL-RND-UNV-L950

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°	10819	10819	10819
5°	10674	10742	10827
10°	10617	10685	10814
15°	10508	10596	10815
20°	10369	10487	10775
25°	10191	10341	10714
30°	9980	10186	10665
35°	9735	10004	10645
40°	9482	9847	10642
45°	9219	9710	10715
50°	8929	9628	10852
55°	8605	9609	11115
60°	8229	9702	11531
65°	7773	9957	12219
70°	7202	10520	13391
75°	6510	11711	15537
80°	5511	14431	20184
85°	4465	23503	34581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 63664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	2.9
10°-20°	409.7	8.1
20°-30°	613.5	12.2
30°-40°	731.5	14.5
40°-50°	758.7	15.1
50°-60°	703.9	14.0
60°-70°	587.2	11.7
70°-80°	437.8	8.7
80°-90°	291.5	5.8
90°-100°	177.5	3.5
100°-110°	99.1	2.0
110°-120°	49.5	1.0
120°-130°	20.7	0.4
130°-140°	6.5	0.1
140°-150°	1.6	0.0
150°-160°	0.7	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1167.1	23.2
0°-40°	1898.6	37.7
0°-60°	3361.2	66.8
0°-90°	4677.8	92.9
90°-120°	326.1	6.5
90°-150°	354.9	7.0
90°-180°	356.0	7.1
0°-180°	5034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1494	1529	1504	1512	1516	142
15°	1427	1464	1438	1465	1468	402
25°	1298	1333	1317	1354	1365	598
35°	1121	1151	1152	1209	1226	701
45°	916	940	965	1041	1065	707
55°	694	718	775	865	896	620
65°	462	499	591	691	726	457
75°	237	302	426	530	565	250
85°	55	150	288	387	424	61
90°	2	99	228	322	357	4
95°	0	61	176	264	295	0
105°	0	19	96	163	188	0
115°	1	5	45	92	110	1
125°	1	1	18	44	55	1
135°	1	1	5	16	20	1
145°	1	1	1	4	5	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: P893784

CATALOG NUMBER: 4MB-6SL-RND-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6
2.5°	1500.4	1502.8	1524.2	1523.0	1519.4	1533.7	1537.3	1525.4	1506.4	1525.4	1508.7
5°	1494.5	1496.8	1518.3	1517.1	1513.5	1529.0	1530.2	1519.4	1500.4	1519.4	1504.0
7.5°	1483.8	1486.1	1507.6	1506.4	1504.0	1519.4	1518.3	1509.9	1489.7	1509.9	1493.3
10°	1469.5	1470.7	1493.3	1490.9	1489.7	1505.2	1501.6	1494.5	1474.2	1494.5	1479.0
12.5°	1450.4	1451.6	1474.2	1471.9	1471.9	1486.1	1481.4	1475.4	1455.2	1474.2	1461.1
15°	1426.6	1427.8	1449.2	1448.1	1448.1	1463.5	1456.4	1451.6	1432.6	1452.8	1438.5
17.5°	1400.5	1399.3	1421.9	1419.5	1421.9	1436.2	1426.6	1424.3	1406.4	1425.5	1413.6
20°	1369.5	1369.5	1389.8	1388.6	1392.1	1405.2	1393.3	1394.5	1376.7	1396.9	1385.0
22.5°	1335.0	1333.8	1354.1	1354.1	1357.6	1370.7	1357.6	1361.2	1343.4	1362.4	1352.9
25°	1298.1	1295.8	1316.0	1316.0	1321.9	1332.6	1318.4	1323.1	1306.5	1325.5	1317.2
27.5°	1257.7	1254.1	1274.3	1275.5	1280.3	1291.0	1275.5	1282.7	1267.2	1285.0	1279.1
30°	1214.8	1211.3	1231.5	1232.7	1238.6	1247.0	1231.5	1241.0	1226.7	1244.6	1239.8
32.5°	1168.4	1166.1	1185.1	1187.5	1193.4	1199.4	1185.1	1194.6	1182.7	1200.6	1195.8
35°	1120.8	1118.5	1136.3	1139.9	1145.8	1150.6	1135.1	1148.2	1137.5	1154.2	1151.8
37.5°	1072.1	1068.5	1087.5	1089.9	1097.0	1099.4	1085.2	1100.6	1091.1	1107.8	1106.6
40°	1020.9	1017.3	1036.4	1038.7	1045.9	1045.9	1034.0	1050.6	1043.5	1059.0	1060.2
42.5°	969.7	966.2	982.8	987.6	993.5	993.5	981.6	999.5	994.7	1010.2	1013.8
45°	916.2	912.6	928.1	932.8	940.0	940.0	928.1	948.3	944.7	960.2	965.0
47.5°	863.8	859.1	873.4	878.1	885.3	884.1	874.5	894.8	893.6	909.1	917.4
50°	806.7	803.2	817.4	822.2	830.5	828.1	821.0	842.4	842.4	857.9	869.8
52.5°	750.8	747.2	761.5	766.3	773.4	773.4	766.3	788.9	792.4	807.9	822.2
55°	693.7	688.9	703.2	708.0	716.3	717.5	711.5	734.1	741.3	759.1	774.6
57.5°	636.6	634.2	646.1	650.9	661.6	661.6	658.0	681.8	691.3	710.3	728.2
60°	578.3	575.9	586.6	592.5	604.4	606.8	604.4	629.4	642.5	661.6	681.8
62.5°	520.0	517.6	528.3	536.6	549.7	552.1	553.3	579.5	593.7	614.0	636.6
65°	461.7	459.3	470.0	479.5	495.0	498.6	502.1	529.5	546.1	567.6	591.4
67.5°	403.4	402.2	412.9	424.8	441.4	446.2	452.1	480.7	499.7	522.3	548.5
70°	346.2	345.1	355.8	370.0	390.3	396.2	403.4	431.9	455.7	479.5	505.7
72.5°	289.1	290.3	302.2	318.9	341.5	347.4	357.0	386.7	412.9	437.9	465.2
75°	236.8	236.8	249.9	268.9	293.9	302.2	312.9	343.9	371.2	397.4	426.0
77.5°	183.2	183.2	198.7	222.5	249.9	258.2	271.3	303.4	333.2	359.3	387.9
80°	134.5	136.8	154.7	178.5	207.0	217.7	233.2	265.3	297.5	323.6	352.2
82.5°	91.6	95.2	114.2	141.6	170.1	180.9	196.3	230.8	263.0	290.3	320.1
85°	54.7	60.7	80.9	108.3	138.0	149.9	166.6	198.7	230.8	258.2	287.9
87.5°	25.0	33.3	54.7	82.1	110.7	123.7	138.0	169.0	201.1	228.5	259.4
90°	2.4	14.3	35.7	59.5	86.9	98.8	113.0	142.8	173.7	198.7	228.5
92.5°	0.0	5.9	21.4	42.8	66.6	78.5	91.6	120.2	147.5	172.5	201.1
95°	0.0	2.4	11.9	29.7	50.0	60.7	72.6	98.8	126.1	149.9	176.1
97.5°	0.0	1.2	7.1	20.2	36.9	46.4	57.1	80.9	105.9	128.5	152.3
100°	0.0	1.2	3.6	13.1	27.4	34.5	45.2	65.4	88.0	108.3	132.1
102.5°	0.0	0.0	2.4	8.3	20.2	26.2	34.5	52.4	72.6	91.6	113.0
105°	0.0	0.0	1.2	5.9	14.3	19.0	26.2	41.6	59.5	76.2	96.4
107.5°	0.0	0.0	1.2	3.6	9.5	14.3	20.2	32.1	47.6	63.1	80.9
110°	1.2	1.2	1.2	2.4	7.1	10.7	14.3	25.0	39.3	52.4	67.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.2	1.2	1.2	1.2	4.8	7.1	10.7	19.0	30.9	41.6	55.9
115°	1.2	1.2	1.2	1.2	3.6	4.8	7.1	14.3	23.8	33.3	45.2
117.5°	1.2	1.2	1.2	1.2	2.4	3.6	4.8	10.7	17.8	26.2	36.9
120°	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.1	14.3	20.2	29.7
122.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	5.9	10.7	15.5	22.6
125°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	7.1	11.9	17.8
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	8.3	13.1
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	5.9	9.5
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8	7.1
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.6
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
145°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
155°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
157.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
160°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
162.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
167.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2
170°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
172.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2
175°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
177.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6	1520.6
2.5°	1513.5	1517.1	1520.6	1511.1	1517.1	1527.8	1531.3	1517.1	1521.8	1512.3
5°	1508.7	1511.1	1515.9	1504.0	1512.3	1521.8	1527.8	1515.9	1523.0	1515.9
7.5°	1499.2	1501.6	1507.6	1495.7	1506.4	1514.7	1521.8	1509.9	1517.1	1509.9
10°	1484.9	1488.5	1496.8	1482.6	1495.7	1502.8	1509.9	1496.8	1504.0	1496.8
12.5°	1467.1	1473.0	1480.2	1467.1	1480.2	1486.1	1495.7	1482.6	1490.9	1484.9
15°	1445.7	1451.6	1461.1	1448.1	1464.7	1469.5	1479.0	1465.9	1474.2	1468.3
17.5°	1420.7	1427.8	1439.7	1424.3	1443.3	1446.9	1456.4	1444.5	1452.8	1446.9
20°	1392.1	1399.3	1411.2	1396.9	1415.9	1418.3	1429.0	1418.3	1426.6	1423.1
22.5°	1358.8	1367.1	1379.0	1366.0	1386.2	1386.2	1399.3	1388.6	1398.1	1394.5
25°	1324.3	1333.8	1346.9	1332.6	1354.1	1354.1	1368.3	1357.6	1367.1	1364.8
27.5°	1287.4	1298.1	1313.6	1299.3	1320.7	1319.6	1333.8	1324.3	1335.0	1331.5
30°	1248.2	1260.1	1275.5	1263.6	1286.2	1283.9	1298.1	1289.8	1299.3	1298.1
32.5°	1205.3	1218.4	1237.5	1224.4	1247.0	1244.6	1262.4	1252.9	1264.8	1262.4
35°	1162.5	1176.8	1195.8	1183.9	1208.9	1205.3	1223.2	1214.8	1226.7	1225.6
37.5°	1118.5	1133.9	1153.0	1143.5	1167.3	1163.7	1182.7	1175.6	1188.7	1185.1
40°	1073.3	1088.7	1108.9	1100.6	1125.6	1120.8	1141.1	1135.1	1148.2	1145.8
42.5°	1028.0	1044.7	1064.9	1060.2	1084.0	1079.2	1099.4	1094.7	1107.8	1105.4
45°	981.6	999.5	1020.9	1016.1	1041.1	1036.4	1056.6	1053.0	1066.1	1064.9
47.5°	935.2	954.3	975.7	973.3	997.1	992.3	1013.8	1010.2	1023.3	1023.3
50°	887.6	909.1	930.5	929.3	953.1	948.3	967.4	967.4	981.6	980.4
52.5°	840.0	862.6	885.3	885.3	909.1	904.3	925.7	924.5	938.8	938.8
55°	794.8	815.1	837.7	842.4	865.0	857.9	880.5	882.9	894.8	896.0
57.5°	749.6	771.0	793.6	799.6	821.0	816.2	837.7	840.0	851.9	853.1
60°	704.4	724.6	747.2	755.6	777.0	772.2	793.6	796.0	809.1	810.3
62.5°	659.2	679.4	704.4	712.7	733.0	729.4	752.0	754.4	766.3	768.6
65°	615.2	636.6	660.4	672.3	691.3	686.5	709.2	711.5	724.6	725.8
67.5°	572.3	593.7	617.5	630.6	648.5	646.1	667.5	672.3	683.0	685.4
70°	530.7	552.1	577.1	590.2	608.0	606.8	627.1	630.6	642.5	643.7
72.5°	490.2	511.6	536.6	552.1	567.6	566.4	586.6	591.4	603.3	604.4
75°	451.0	473.6	497.4	514.0	529.5	528.3	548.5	553.3	564.0	565.2
77.5°	414.1	436.7	461.7	478.3	491.4	492.6	510.4	515.2	525.9	529.5
80°	379.6	401.0	424.8	442.6	454.5	456.9	473.6	479.5	487.8	492.6
82.5°	346.2	367.7	391.5	408.1	420.0	422.4	437.9	445.0	453.3	456.9
85°	314.1	335.5	358.1	376.0	386.7	387.9	403.4	410.5	417.6	423.6
87.5°	283.2	304.6	326.0	345.1	354.6	357.0	371.2	378.4	384.3	390.3
90°	252.3	273.7	295.1	312.9	322.5	323.6	339.1	346.2	352.2	357.0
92.5°	223.7	245.1	266.5	284.4	292.7	295.1	308.2	316.5	321.3	326.0
95°	196.3	217.7	236.8	255.8	264.1	267.7	279.6	286.8	292.7	295.1
97.5°	172.5	191.6	209.4	228.5	235.6	239.2	251.1	259.4	264.1	266.5
100°	149.9	167.8	184.4	202.3	209.4	213.0	223.7	230.8	235.6	239.2
102.5°	129.7	146.4	161.8	178.5	185.6	188.0	197.5	204.7	209.4	213.0
105°	111.8	127.3	141.6	157.1	163.0	166.6	174.9	180.9	185.6	188.0
107.5°	95.2	110.7	122.6	136.8	142.8	145.2	153.5	160.6	164.2	165.4
110°	80.9	94.0	105.9	117.8	124.9	127.3	134.5	140.4	144.0	145.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	67.8	79.7	90.4	101.1	107.1	109.5	116.6	122.6	124.9	126.1
115°	55.9	67.8	76.2	86.9	91.6	94.0	99.9	105.9	107.1	109.5
117.5°	45.2	55.9	64.3	72.6	77.3	79.7	84.5	89.2	91.6	92.8
120°	36.9	45.2	52.4	60.7	64.3	66.6	71.4	76.2	77.3	78.5
122.5°	29.7	36.9	42.8	50.0	53.5	55.9	59.5	63.1	64.3	65.4
125°	22.6	29.7	34.5	40.5	44.0	45.2	48.8	52.4	53.5	54.7
127.5°	17.8	22.6	27.4	32.1	34.5	35.7	39.3	41.6	42.8	44.0
130°	13.1	16.7	20.2	25.0	27.4	28.6	30.9	33.3	34.5	34.5
132.5°	9.5	13.1	15.5	19.0	20.2	21.4	23.8	26.2	26.2	27.4
135°	5.9	8.3	10.7	13.1	15.5	15.5	17.8	19.0	20.2	20.2
137.5°	4.8	5.9	7.1	9.5	10.7	11.9	11.9	14.3	14.3	14.3
140°	3.6	4.8	4.8	5.9	7.1	8.3	8.3	9.5	9.5	9.5
142.5°	2.4	3.6	3.6	4.8	4.8	5.9	5.9	5.9	7.1	7.1
145°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	4.8	4.8	4.8
147.5°	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6
150°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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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	18.56	20.10	19.03	20.56	21.04	20.13	21.67	20.60	22.13	22.61
	3H	20.24	21.64	20.72	22.11	22.64	22.76	24.16	23.24	24.63	25.16
	4H	20.84	22.17	21.34	22.65	23.19	24.07	25.40	24.57	25.88	26.42
	6H	21.23	22.47	21.75	22.97	23.53	25.47	26.71	25.99	27.21	27.77
	8H	21.35	22.54	21.88	23.06	23.62	26.22	27.41	26.75	27.93	28.50
	12H	21.43	22.57	21.96	23.08	23.68	27.07	28.21	27.61	28.73	29.32
4H	2H	19.49	20.82	19.99	21.30	21.84	20.68	22.01	21.19	22.50	23.04
	3H	21.47	22.60	21.99	23.13	23.70	23.60	24.74	24.12	25.26	25.83
	4H	22.24	23.28	22.78	23.82	24.42	25.12	26.17	25.66	26.70	27.30
	6H	22.82	23.74	23.38	24.31	24.92	26.77	27.69	27.32	28.25	28.86
	8H	23.01	23.87	23.57	24.44	25.06	27.65	28.52	28.21	29.08	29.70
	12H	23.13	23.92	23.71	24.51	25.14	28.65	29.44	29.24	30.03	30.66
8H	4H	23.12	23.99	23.68	24.55	25.18	25.49	26.35	26.05	26.92	27.54
	6H	24.00	24.74	24.60	25.35	25.97	27.39	28.12	27.98	28.73	29.36
	8H	24.35	25.02	24.96	25.63	26.27	28.47	29.14	29.08	29.75	30.39
	12H	24.62	25.22	25.23	25.82	26.53	29.73	30.33	30.34	30.93	31.64
12H	4H	23.40	24.19	23.98	24.78	25.41	25.53	26.32	26.11	26.91	27.53
	6H	24.45	25.12	25.06	25.74	26.38	27.50	28.16	28.10	28.78	29.42
	8H	24.97	25.57	25.58	26.17	26.88	28.69	29.29	29.30	29.89	30.60