

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P838183

Luminaire Tested: **ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90**

Issue Date: 5/21/2024

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P838183
Test Lab: INNOVATION CENTER(G2)
Issue Date: 5/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90
Description: 2FT x 4FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2 and
RFI grid
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

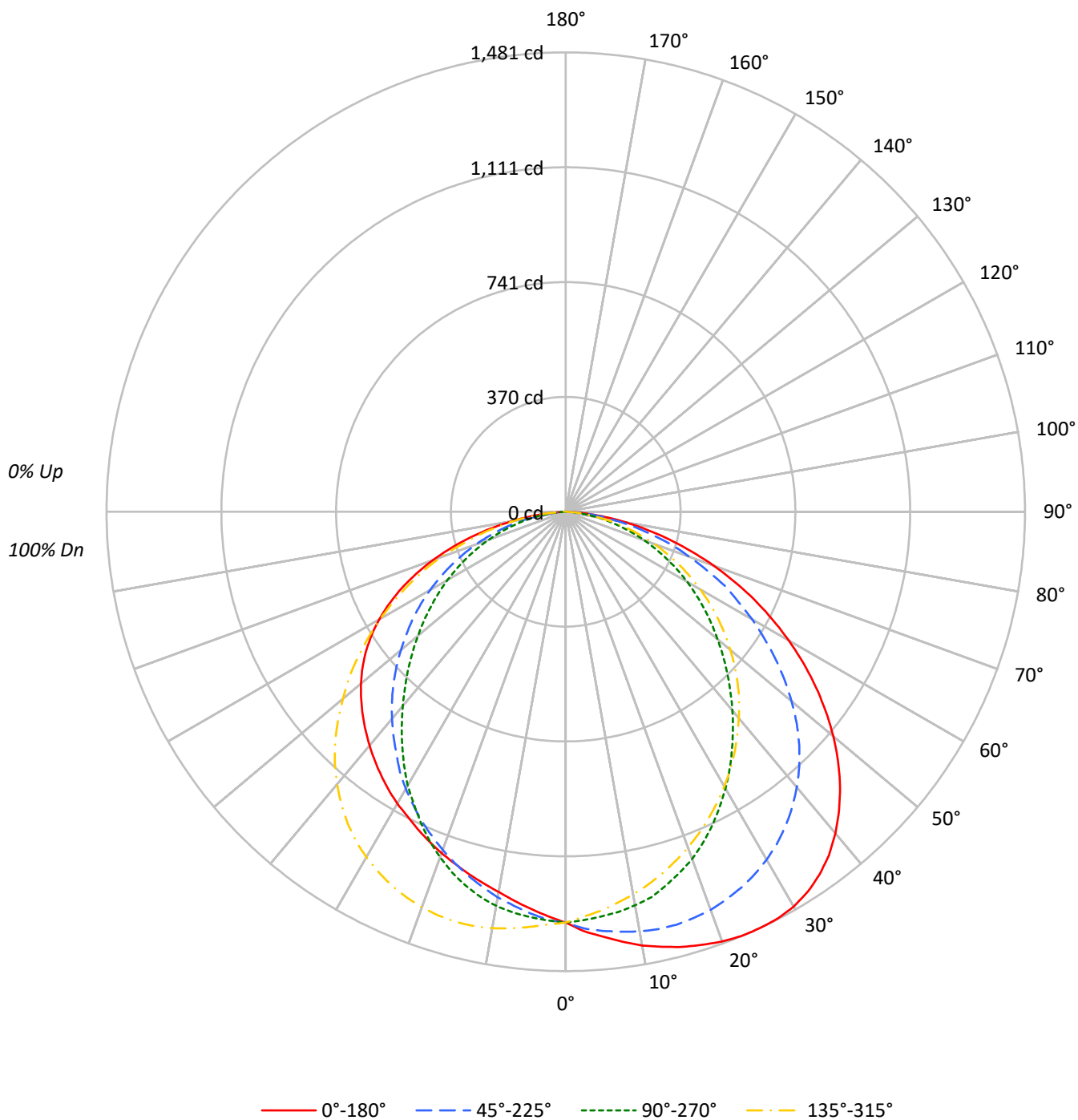
Lumens per Lamp: N/A
Luminaire Lumens: 3885.7 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.16 / 1.4
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		94	91	89		90
2	99	91	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	88	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	74	62	53	47	59	52	46		57	51	46		56
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1782	1782	1782	1782
5°	1857	1769	1736	1772
10°	1940	1760	1701	1763
15°	2023	1738	1684	1738
20°	2111	1706	1677	1696
25°	2199	1658	1676	1642
30°	2284	1601	1688	1583
35°	2344	1535	1704	1511
40°	2376	1469	1728	1436
45°	2380	1402	1762	1367
50°	2358	1338	1805	1302
55°	2309	1278	1845	1243
60°	2236	1216	1870	1185
65°	2136	1145	1860	1118
70°	1996	1061	1794	1042
75°	1796	946	1646	941
80°	1523	793	1384	804
85°	1059	525	877	539

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	3.2
10°-20°	364.1	9.4
20°-30°	558.1	14.4
30°-40°	678.6	17.5
40°-50°	705.4	18.2
50°-60°	637.2	16.4
60°-70°	484.4	12.5
70°-80°	270.1	7.0
80°-90°	62.2	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1047.9	27.0
0°-40°	1726.5	44.4
0°-60°	3069.1	79.0
0°-90°	3885.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3885.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1324	1324	1324	1324	1324	
5°	1375	1310	1285	1312	1375	133
15°	1452	1248	1209	1248	1452	412
25°	1481	1117	1129	1106	1481	684
35°	1427	935	1038	920	1427	891
45°	1251	737	926	718	1251	963
55°	984	545	787	530	984	879
65°	671	360	584	351	671	663
75°	345	182	317	181	345	367
85°	69	34	57	35	69	86
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1353.8	1334.0	1334.3	1351.6	1338.4	1344.8	1326.3	1333.4	1331.2	1332.8	1317.7
5°	1375.1	1353.8	1353.5	1368.3	1353.5	1356.3	1332.8	1337.4	1330.6	1326.3	1309.9
7.5°	1397.7	1376.4	1374.2	1387.2	1367.7	1365.5	1339.6	1339.6	1327.2	1316.4	1301.0
10°	1419.9	1398.0	1395.2	1405.1	1381.0	1373.9	1342.4	1337.4	1321.1	1305.0	1288.3
12.5°	1436.6	1414.4	1412.2	1418.4	1391.2	1378.2	1342.4	1332.8	1308.7	1286.1	1273.2
15°	1452.4	1429.5	1423.6	1426.7	1395.5	1378.2	1338.0	1323.2	1292.3	1262.7	1247.5
17.5°	1463.5	1441.5	1435.7	1435.4	1397.7	1373.0	1328.8	1308.4	1271.3	1235.5	1220.3
20°	1474.6	1452.7	1445.2	1439.7	1397.1	1365.8	1315.2	1287.7	1244.4	1204.3	1191.6
22.5°	1480.2	1457.6	1449.6	1441.2	1393.0	1352.9	1298.5	1263.6	1214.2	1166.3	1155.8
25°	1481.1	1457.9	1449.3	1437.2	1385.0	1337.4	1276.9	1234.5	1179.2	1126.1	1117.1
27.5°	1478.6	1453.3	1444.6	1430.1	1373.0	1318.6	1251.2	1201.5	1142.2	1083.5	1073.9
30°	1470.0	1444.3	1436.0	1417.1	1356.0	1295.4	1223.1	1164.7	1101.1	1038.7	1030.3
32.5°	1452.7	1427.6	1420.8	1402.0	1337.4	1268.5	1190.4	1125.2	1055.7	996.0	983.7
35°	1427.3	1402.3	1398.0	1378.2	1311.5	1236.4	1154.5	1081.9	1007.5	946.6	934.6
37.5°	1394.3	1373.3	1366.8	1347.3	1280.9	1199.9	1113.4	1035.0	958.3	892.9	885.4
40°	1352.6	1332.8	1327.8	1310.5	1245.4	1159.5	1069.0	986.5	907.7	846.8	836.3
42.5°	1305.0	1286.4	1283.7	1265.7	1201.5	1114.7	1020.8	936.1	854.9	796.2	785.6
45°	1250.9	1233.0	1232.4	1215.4	1153.6	1064.9	970.1	885.1	803.3	742.4	736.8
47.5°	1191.3	1175.2	1175.2	1159.5	1100.2	1010.3	917.9	832.0	751.4	697.6	687.7
50°	1126.4	1111.3	1106.6	1098.9	1041.1	950.6	862.9	780.1	700.1	648.8	639.2
52.5°	1057.2	1044.2	1047.3	1033.1	977.2	888.5	807.3	721.7	648.5	601.8	592.2
55°	984.3	965.8	968.5	963.3	910.5	824.6	744.9	673.5	597.8	553.9	545.0
57.5°	908.6	884.5	894.4	891.3	839.4	759.1	687.7	618.8	547.5	507.0	498.3
60°	831.1	807.9	818.1	815.3	766.5	693.6	628.7	564.8	497.4	460.6	452.0
62.5°	751.4	730.0	739.3	737.1	692.3	626.5	570.0	511.3	447.0	414.0	406.0
65°	671.0	650.6	659.0	657.4	616.0	566.0	509.8	456.0	396.4	367.6	359.6
67.5°	588.9	570.0	577.7	577.7	539.7	491.8	449.2	400.1	346.6	321.9	314.5
70°	507.3	489.7	496.5	495.9	463.7	424.8	388.0	344.2	296.3	275.9	269.7
72.5°	425.1	409.7	415.8	415.2	388.3	363.3	326.9	288.9	247.2	230.8	225.2
75°	345.4	330.9	336.8	336.1	314.2	290.7	266.3	234.8	199.0	187.5	182.0
77.5°	269.4	254.6	259.5	259.5	243.4	226.5	207.0	182.6	157.3	144.9	140.9
80°	196.5	189.4	186.9	187.2	176.4	165.3	155.4	131.9	113.4	105.0	102.3
82.5°	129.1	123.3	120.8	121.4	115.2	108.4	102.3	85.9	73.5	68.6	67.0
85°	68.6	64.3	62.1	63.6	62.4	58.7	55.6	44.5	36.8	34.9	34.0
87.5°	21.6	18.8	17.3	22.9	19.5	17.3	16.7	13.3	10.2	10.2	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1322.6	1322.6	1310.5	1307.8	1306.5	1308.1	1296.0	1293.9	1311.2	1305.3	1292.0
5°	1312.1	1311.5	1294.5	1291.4	1291.4	1289.5	1275.9	1272.9	1290.2	1285.2	1270.7
7.5°	1299.1	1297.3	1277.2	1275.0	1271.9	1270.7	1255.6	1253.4	1268.2	1265.1	1251.5
10°	1283.4	1281.5	1257.7	1256.2	1252.8	1250.3	1236.1	1234.5	1249.7	1244.7	1233.9
12.5°	1262.7	1259.3	1234.9	1233.3	1230.5	1229.6	1215.7	1215.1	1231.8	1226.8	1215.4
15°	1235.5	1232.7	1205.5	1206.1	1206.4	1206.4	1195.3	1194.7	1211.1	1208.9	1196.5
17.5°	1205.5	1201.8	1175.8	1177.7	1179.9	1182.3	1173.7	1175.2	1192.5	1189.7	1178.6
20°	1171.5	1167.8	1142.5	1147.7	1152.4	1157.3	1151.7	1156.1	1172.1	1170.9	1162.6
22.5°	1133.5	1129.8	1106.3	1114.4	1122.1	1131.4	1128.9	1133.8	1150.8	1150.5	1143.1
25°	1087.2	1088.1	1067.4	1077.3	1090.3	1103.2	1104.2	1112.2	1131.0	1129.2	1122.4
27.5°	1043.9	1045.2	1023.2	1039.9	1057.2	1073.9	1077.9	1089.0	1108.2	1106.6	1100.8
30°	998.5	1000.1	978.7	1001.6	1022.6	1043.0	1051.7	1066.8	1086.3	1086.3	1080.1
32.5°	951.2	954.0	931.8	962.4	986.8	1010.6	1025.7	1041.5	1063.7	1063.1	1057.8
35°	902.7	905.8	885.4	924.4	948.8	977.8	996.7	1017.7	1037.4	1037.7	1033.7
37.5°	853.3	857.0	838.5	881.1	908.9	943.2	967.3	988.3	1010.3	1011.5	1007.8
40°	804.2	808.2	792.1	833.2	868.4	906.8	934.6	959.3	983.4	984.0	981.5
42.5°	755.1	759.4	747.3	787.5	827.4	868.4	901.2	929.3	954.0	955.6	952.8
45°	707.2	710.9	702.2	746.1	784.4	829.2	866.9	898.7	923.7	925.9	925.0
47.5°	659.6	663.0	655.3	695.4	739.6	787.2	830.8	866.0	892.5	895.0	894.4
50°	612.9	615.7	607.4	649.4	693.3	743.9	789.4	830.1	859.8	862.3	862.0
52.5°	566.6	569.4	562.3	606.5	646.3	699.8	749.2	793.4	822.7	826.4	827.0
55°	521.8	523.0	517.5	559.8	598.4	654.3	711.2	754.1	783.5	786.6	788.4
57.5°	477.0	477.3	472.7	513.2	550.2	607.4	667.0	712.1	739.9	743.0	745.8
60°	432.5	432.2	427.0	466.2	501.7	558.3	620.4	665.2	692.0	694.8	698.5
62.5°	388.3	387.4	382.8	418.9	452.3	508.2	570.6	613.9	639.5	641.4	646.3
65°	344.5	343.5	339.2	372.6	402.9	456.3	517.5	558.6	581.7	584.2	583.3
67.5°	301.2	299.4	296.0	325.9	353.4	402.9	461.6	500.8	520.0	522.1	528.0
70°	258.0	255.8	248.1	279.9	304.0	348.2	402.9	437.8	453.8	456.0	455.1
72.5°	215.3	213.2	204.8	234.2	254.6	293.2	342.0	371.0	384.9	386.8	386.8
75°	173.9	172.7	167.4	189.7	206.7	238.2	279.6	303.7	314.5	316.7	316.1
77.5°	134.1	133.2	127.9	147.1	160.3	183.8	217.2	236.0	244.1	246.5	251.8
80°	96.1	95.8	87.4	106.3	112.1	131.9	156.3	170.8	175.2	178.6	182.3
82.5°	61.5	61.8	53.4	69.5	72.0	84.7	99.8	108.7	111.8	114.6	117.4
85°	30.0	31.2	26.6	36.8	37.1	43.6	50.0	53.4	54.7	56.8	59.3
87.5°	7.7	9.0	4.9	10.5	9.3	12.0	13.9	14.8	14.5	16.1	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1296.3	1306.2	1301.3	1317.3	1323.5	1313.6	1330.9	1331.2	1318.9	1333.4	1341.4
5°	1276.3	1286.4	1283.4	1300.0	1307.8	1299.1	1320.1	1324.1	1312.1	1328.5	1341.4
7.5°	1255.9	1267.9	1263.9	1280.9	1290.2	1283.4	1305.9	1312.4	1303.1	1321.1	1338.4
10°	1238.3	1248.4	1244.1	1262.0	1270.1	1264.5	1286.8	1298.8	1290.2	1312.1	1332.8
12.5°	1221.0	1229.3	1224.4	1239.2	1246.9	1239.8	1267.0	1278.1	1271.9	1294.8	1321.4
15°	1198.7	1208.0	1201.2	1214.5	1220.3	1214.2	1236.4	1255.6	1247.8	1272.9	1302.2
17.5°	1181.7	1187.0	1177.7	1188.2	1191.6	1183.3	1205.8	1224.7	1219.1	1246.3	1280.3
20°	1162.9	1167.2	1154.2	1160.1	1159.8	1149.3	1170.0	1188.5	1184.8	1214.8	1253.4
22.5°	1141.9	1144.0	1128.9	1130.1	1129.5	1112.2	1130.7	1149.6	1148.0	1178.3	1221.6
25°	1119.6	1119.9	1100.5	1099.8	1093.0	1072.7	1089.0	1110.3	1105.7	1138.5	1183.9
27.5°	1097.7	1094.6	1071.1	1065.6	1054.7	1030.3	1044.9	1064.0	1061.2	1093.4	1143.7
30°	1074.2	1070.2	1041.5	1031.3	1015.5	987.4	999.4	1017.4	1018.9	1047.0	1099.8
32.5°	1052.0	1041.8	1009.9	995.1	975.3	942.6	949.1	967.3	969.8	998.2	1052.6
35°	1023.2	1016.4	977.2	951.9	932.4	896.6	903.4	916.0	919.7	947.5	1002.8
37.5°	996.0	985.2	943.5	912.6	887.6	849.9	851.8	864.7	868.4	896.6	951.2
40°	967.9	952.5	907.7	871.5	842.8	803.3	801.1	814.7	817.5	845.0	894.4
42.5°	938.0	919.4	869.1	829.5	796.5	756.3	752.0	763.7	766.8	793.7	842.2
45°	907.7	885.4	829.5	786.3	750.1	709.0	704.7	713.7	718.3	743.6	790.3
47.5°	875.6	849.6	788.7	740.5	703.2	662.1	656.8	665.8	669.5	694.5	738.7
50°	841.9	810.4	746.7	693.6	656.5	616.0	608.3	618.8	622.2	645.7	688.9
52.5°	804.8	769.9	701.9	646.3	609.2	570.6	561.4	571.5	575.6	598.4	638.3
55°	765.6	727.9	656.8	602.8	562.6	524.9	517.2	521.2	529.8	551.5	588.5
57.5°	721.4	684.0	609.2	554.2	515.6	479.5	473.0	476.7	484.7	505.7	539.1
60°	674.4	634.9	560.7	505.7	468.4	434.1	428.2	431.6	440.2	459.4	490.3
62.5°	628.1	583.6	510.7	456.0	422.0	390.2	388.7	387.4	395.5	414.0	441.2
65°	571.9	529.2	458.5	406.6	375.7	346.9	340.8	343.5	351.3	368.3	396.7
67.5°	511.6	473.0	405.0	357.1	329.6	304.0	298.8	300.0	308.0	322.8	347.6
70°	447.7	413.7	350.3	307.4	284.2	260.1	256.7	257.0	264.8	277.7	299.4
72.5°	380.6	350.0	295.0	258.3	239.1	221.8	218.7	215.0	222.1	233.3	251.8
75°	312.3	285.5	240.1	210.1	194.9	180.4	177.6	173.9	181.0	190.6	205.1
77.5°	243.4	221.8	186.6	163.4	151.7	140.9	138.4	134.4	141.5	148.6	160.0
80°	176.1	160.3	139.3	114.9	110.9	103.8	101.3	97.0	103.8	108.4	117.1
82.5°	113.7	103.2	91.1	74.1	73.5	68.3	67.0	62.1	68.3	71.1	77.5
85°	57.5	52.5	49.4	37.7	38.9	35.5	35.2	30.0	34.9	36.1	39.9
87.5°	16.4	17.3	15.4	9.3	11.7	11.1	11.1	8.0	11.1	11.1	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P838183

CATALOG NUMBER: ORLG-24-4-INS-ASY2R-LD4-1HI-30-120-EDD-90

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1325.7	1330.9	1332.2	1331.9	1335.3	1353.8	1347.6	1353.8
5°	1328.8	1340.5	1343.6	1347.9	1353.5	1374.5	1367.7	1375.1
7.5°	1330.6	1348.2	1355.0	1363.4	1372.3	1395.8	1390.3	1397.7
10°	1330.6	1353.5	1363.4	1377.3	1389.3	1416.5	1411.3	1419.9
12.5°	1325.1	1354.4	1368.3	1387.8	1403.2	1432.6	1430.4	1436.6
15°	1313.6	1349.8	1368.9	1394.0	1413.1	1445.9	1444.9	1452.4
17.5°	1298.2	1341.8	1364.9	1396.4	1420.5	1457.3	1459.5	1463.5
20°	1278.7	1326.6	1356.9	1395.5	1425.8	1466.3	1469.0	1474.6
22.5°	1253.1	1308.4	1344.8	1391.5	1426.4	1470.0	1474.9	1480.2
25°	1222.8	1286.4	1329.1	1383.8	1423.3	1469.7	1476.5	1481.1
27.5°	1188.2	1258.0	1309.0	1371.4	1414.7	1464.7	1473.1	1478.6
30°	1148.0	1227.7	1286.1	1355.3	1402.9	1455.4	1464.4	1470.0
32.5°	1106.6	1194.4	1259.0	1334.6	1385.9	1440.6	1448.3	1452.7
35°	1061.5	1153.9	1226.2	1308.1	1364.0	1416.8	1422.7	1427.3
37.5°	1012.4	1110.0	1188.8	1278.1	1333.1	1383.8	1389.0	1394.3
40°	961.7	1064.0	1146.8	1241.3	1296.3	1343.3	1348.9	1352.6
42.5°	910.8	1013.0	1102.0	1198.1	1252.8	1297.9	1301.3	1305.0
45°	859.2	960.2	1051.7	1150.2	1204.3	1246.6	1247.8	1250.9
47.5°	806.7	905.5	996.3	1095.5	1149.0	1187.6	1188.8	1191.3
50°	753.8	850.8	937.3	1036.5	1088.7	1129.5	1123.9	1126.4
52.5°	701.9	793.4	881.7	972.9	1024.5	1060.6	1062.2	1057.2
55°	650.9	737.1	818.4	906.1	955.3	983.4	982.4	984.3
57.5°	599.4	680.3	754.8	835.1	883.0	909.5	915.1	908.6
60°	546.8	622.8	689.6	762.2	808.5	830.8	837.2	831.1
62.5°	494.6	564.4	625.0	688.3	731.3	758.8	758.2	751.4
65°	442.4	505.7	559.8	613.6	650.9	678.4	677.2	671.0
67.5°	394.2	446.4	494.9	538.5	570.9	589.8	596.3	588.9
70°	341.1	386.2	428.8	463.7	490.6	507.6	513.8	507.3
72.5°	287.9	326.2	356.2	389.9	410.6	424.8	431.3	425.1
75°	235.4	266.9	291.3	317.6	332.1	344.2	351.6	345.4
77.5°	184.4	208.8	228.3	247.5	264.1	266.9	273.4	269.4
80°	135.9	153.5	167.8	180.4	192.5	193.7	199.0	196.5
82.5°	90.5	102.3	106.0	119.3	127.0	125.7	131.0	129.1
85°	47.9	55.0	61.5	65.5	69.8	65.8	70.4	68.6
87.5°	16.1	17.0	14.8	21.0	23.2	19.8	22.6	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)