

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P1219585

Luminaire Tested: **LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°**

Issue Date: 3/3/2020

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

**Test Information**

Test Method: LM-41-14
Report Number: P1219585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

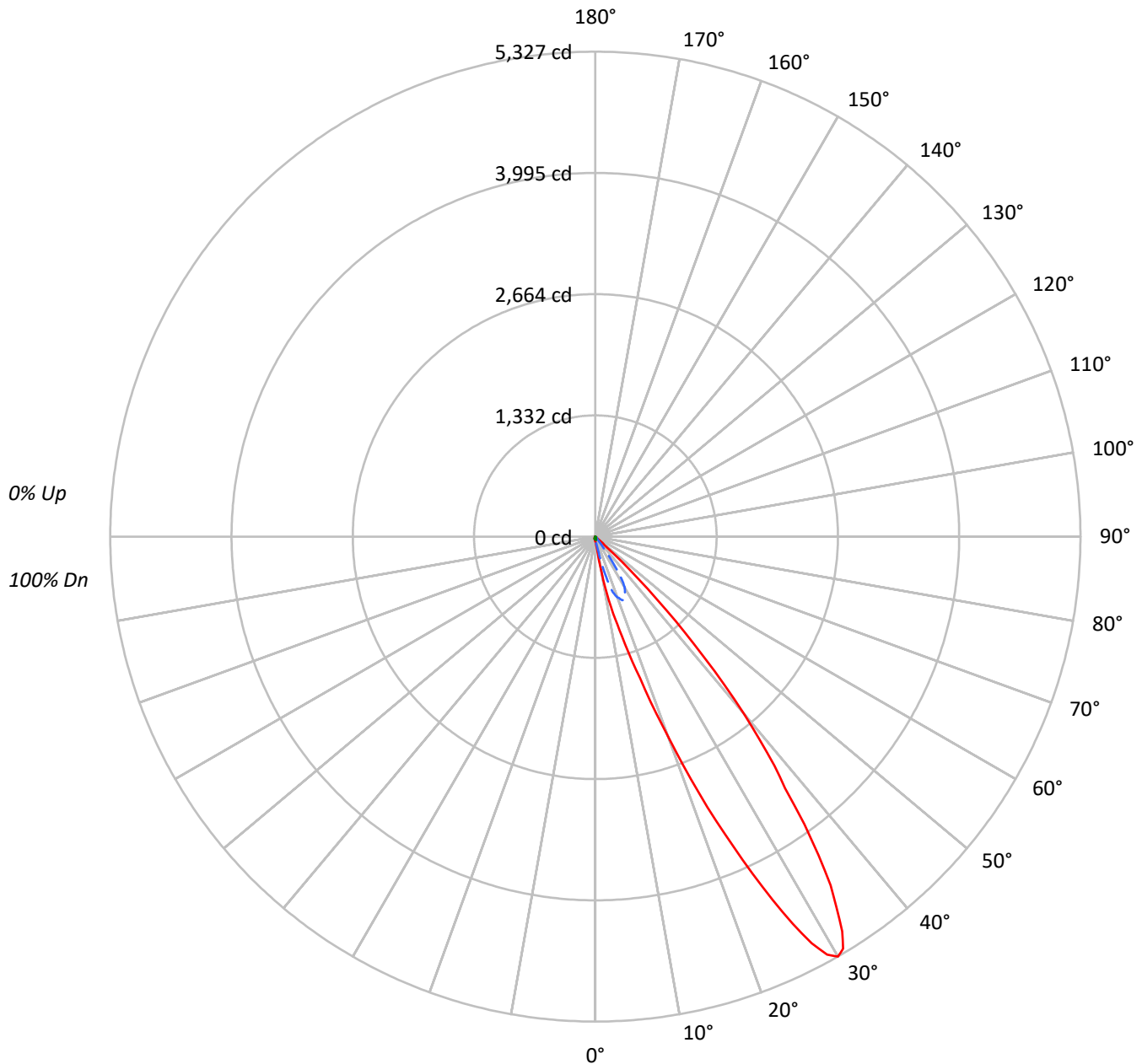
Lumens per Lamp: N/A
Luminaire Lumens: 783.5 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
Input Voltage (V): NR
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

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Luminous Intensity Polar Plot



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67		
5	86	77	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	51	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2213	2213	2213
5°	3410	2096	1681
10°	18292	1858	1395
15°	50436	1502	1195
20°	107106	1123	1045
25°	193875	822	907
30°	264834	602	805
35°	224494	426	731
40°	142497	287	703
45°	49388	219	645
50°	3021	167	563
55°	525	135	443
60°	129	129	276
65°	71	153	224
70°	88	189	227
75°	0	250	250
80°	0	372	174
85°	0	741	148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.8
10°-20°	80.6	10.3
20°-30°	280.1	35.7
30°-40°	307.0	39.2
40°-50°	101.2	12.9
50°-60°	4.2	0.5
60°-70°	1.8	0.2
70°-80°	1.4	0.2
80°-90°	0.9	0.1
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°	367.0	46.8
0°-40°	674.0	86.0
0°-60°	779.5	99.5
0°-90°	783.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	79	64	48	42	39	17
15°	1132	461	34	27	27	376
25°	4081	756	17	17	19	1910
35°	4271	252	8	11	14	2567
45°	811	12	4	7	11	715
55°	7	2	2	5	6	10
65°	1	1	2	3	2	1
75°	0	1	2	2	2	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	60.9	60.6	60.6	60.6	60.2	59.5	59.5	59.9	59.9	59.5	59.9
5°	78.9	78.1	77.8	77.4	75.9	75.6	74.2	75.2	74.2	73.0	73.0
7.5°	144.7	144.2	138.0	134.0	127.0	118.9	116.7	117.1	112.0	107.1	104.2
10°	418.4	419.1	400.8	408.1	381.7	371.1	350.8	343.5	325.2	309.7	291.1
11°	559.6	558.9	535.8	542.9	516.0	501.0	478.3	466.4	443.4	428.0	404.4
12°	712.4	690.0	682.3	688.9	661.3	641.6	614.0	598.9	570.3	554.6	526.3
13°	863.6	857.1	831.3	837.6	809.2	766.0	754.6	736.6	703.2	684.4	652.9
14°	994.7	970.3	962.3	966.4	938.4	897.3	886.0	880.5	829.1	808.9	773.8
15°	1131.5	1102.2	1090.8	1075.7	1059.2	1010.4	993.9	983.3	930.1	896.3	873.5
17.5°	1629.2	1587.7	1559.8	1525.7	1489.4	1399.0	1361.7	1326.0	1232.8	1188.0	1120.5
20°	2337.6	2274.0	2202.5	2128.4	2057.1	1897.9	1805.3	1706.2	1578.9	1472.4	1391.7
21°	2680.3	2604.4	2518.2	2462.3	2328.4	2133.9	2009.1	1867.7	1704.0	1572.4	1470.7
22°	3039.6	2953.0	2881.1	2798.8	2613.2	2381.3	2224.6	2043.3	1831.3	1668.9	1540.4
23°	3388.7	3290.7	3204.4	3104.3	2889.5	2620.9	2434.8	2218.6	1963.5	1761.3	1602.4
24°	3722.0	3620.3	3521.1	3389.5	3143.5	2846.6	2627.9	2381.6	2089.5	1850.2	1660.8
25°	4081.0	3962.0	3833.9	3633.4	3383.5	3047.7	2795.9	2523.2	2201.5	1932.0	1710.0
26°	4438.4	4299.6	4107.7	3903.6	3604.8	3229.0	2942.1	2638.1	2296.8	1997.6	1746.3
27°	4773.8	4625.1	4399.8	4120.5	3803.4	3384.3	3062.5	2729.2	2363.2	2040.3	1763.2
28°	5060.8	4897.2	4646.1	4327.9	3951.3	3498.5	3142.0	2782.7	2395.1	2056.4	1765.4
29°	5249.8	5086.5	4815.9	4462.6	4035.0	3554.9	3173.6	2794.5	2393.4	2046.9	1750.3
30°	5326.9	5162.0	4885.7	4506.6	4050.8	3556.1	3160.8	2769.9	2361.4	2016.8	1720.6
31°	5281.7	5123.6	4843.2	4461.5	3995.0	3504.7	3106.8	2707.8	2297.9	1963.5	1676.2
32°	5115.1	4970.2	4700.8	4337.4	3880.0	3401.5	3013.9	2616.1	2208.3	1894.2	1620.7
33°	4861.2	4740.4	4465.1	4130.0	3726.7	3275.0	2900.9	2522.8	2100.5	1809.4	1561.7
34°	4617.9	4439.4	4195.4	3897.7	3530.0	3110.4	2760.8	2376.1	1985.9	1716.1	1494.1
35°	4271.1	4111.3	3886.0	3631.3	3301.0	2909.7	2560.0	2233.0	1857.9	1626.2	1423.3
36°	3905.1	3764.5	3600.8	3372.5	3056.6	2700.2	2380.1	2057.1	1726.1	1526.0	1348.4
37°	3458.0	3426.5	3274.2	3083.7	2801.4	2472.2	2171.3	1892.0	1602.8	1433.5	1266.3
38°	3194.2	3090.7	2951.2	2783.5	2506.8	2243.3	1969.9	1726.1	1490.8	1346.9	1172.7
39°	2858.3	2771.0	2642.5	2491.6	2253.6	2004.7	1782.2	1587.7	1398.3	1259.6	1071.7
40°	2535.3	2462.6	2344.9	2215.3	1999.1	1794.4	1620.3	1465.9	1306.6	1166.4	971.9
42.5°	1598.7	1562.8	1514.3	1496.7	1419.3	1366.0	1302.6	1213.4	1073.2	915.3	779.5
45°	811.1	788.0	787.3	823.2	847.8	850.4	844.5	821.7	730.8	685.6	564.8
47.5°	136.6	129.9	134.0	158.2	192.3	233.8	280.1	337.0	397.9	385.0	296.5
50°	45.1	43.7	42.5	43.7	42.2	43.3	42.5	41.5	37.4	39.3	40.4
51°	28.0	29.7	28.7	29.4	29.0	30.2	30.2	29.7	27.2	25.3	23.1
52°	19.1	19.4	19.9	20.2	19.9	20.2	20.6	20.6	19.9	19.1	17.3
53°	13.5	13.5	13.9	13.9	13.9	14.2	14.2	14.2	13.9	13.9	13.5
54°	9.6	9.9	9.9	9.9	9.9	10.3	10.3	10.3	10.6	10.3	10.3
55°	7.0	7.0	7.0	7.0	7.0	7.0	7.4	7.4	7.7	7.7	7.4
57.5°	2.9	2.9	2.5	2.9	2.9	2.9	2.9	3.2	3.2	3.6	3.6
60°	1.5	1.5	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.8	1.8

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.7	0.7	0.7	0.7
64°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3
66°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	58.8	59.5	58.4	59.2	57.6	57.6	56.5	56.9	56.5	55.7	55.7
5°	71.2	71.2	69.4	69.4	67.1	66.0	64.2	64.2	63.1	61.4	60.9
7.5°	97.6	93.9	90.0	88.4	84.0	81.1	77.8	76.3	73.0	70.1	67.8
10°	261.4	237.1	213.2	198.5	162.6	136.6	117.1	103.9	94.3	83.0	78.5
11°	368.5	337.7	306.5	276.0	240.8	205.2	182.7	147.6	125.1	99.8	87.7
12°	484.4	448.1	410.3	375.9	333.6	288.9	258.0	213.2	181.7	139.5	110.0
13°	603.3	562.3	517.1	481.2	433.5	382.0	333.6	292.1	252.8	197.8	155.0
14°	717.8	674.2	624.6	586.9	533.3	477.5	422.8	376.9	329.2	263.5	210.7
15°	819.9	788.7	725.9	688.6	630.9	571.4	510.5	461.3	404.9	331.9	270.9
17.5°	1033.4	975.9	899.3	862.2	805.0	753.5	687.3	643.0	573.4	496.2	429.1
20°	1285.2	1200.5	1096.6	1018.5	919.5	829.1	745.8	710.9	667.7	615.2	552.4
21°	1354.3	1262.9	1149.4	1069.8	968.1	875.3	777.3	722.0	674.5	629.1	576.6
22°	1404.6	1308.1	1188.7	1105.8	1001.2	909.2	808.9	742.6	679.4	628.0	580.6
23°	1447.2	1344.4	1220.3	1130.1	1020.7	925.6	825.1	759.0	689.3	625.5	574.1
24°	1485.6	1373.0	1242.7	1145.9	1030.5	931.5	827.3	762.0	694.0	626.9	565.2
25°	1514.7	1391.0	1255.6	1153.9	1032.7	929.8	822.1	756.4	688.6	622.0	555.4
26°	1534.5	1399.4	1259.2	1153.6	1028.4	922.4	811.4	745.1	675.3	604.9	539.1
27°	1540.8	1397.2	1254.0	1145.1	1017.4	907.9	793.5	723.4	654.7	584.4	517.5
28°	1534.5	1388.4	1242.3	1128.5	999.0	884.5	764.5	694.7	632.7	561.5	491.1
29°	1517.3	1372.7	1220.6	1104.0	970.0	846.4	727.4	667.3	607.5	527.1	446.7
30°	1490.4	1344.0	1189.4	1068.1	927.1	798.3	694.0	641.9	565.6	471.2	384.7
31°	1453.0	1306.9	1149.1	1020.3	869.9	751.3	665.0	594.6	500.2	397.5	309.0
32°	1407.5	1262.9	1090.4	956.8	813.3	714.2	613.6	522.3	417.7	310.2	225.3
33°	1358.7	1206.4	1023.3	890.0	764.9	664.7	539.4	433.1	325.2	218.0	142.1
34°	1302.2	1137.0	948.0	822.8	710.6	590.1	451.5	336.5	231.9	132.5	73.0
35°	1233.9	1051.5	873.1	764.9	632.7	491.5	355.0	252.1	145.4	66.8	39.6
36°	1151.4	963.5	808.2	690.4	541.7	394.6	256.2	160.7	78.1	39.3	31.2
37°	1046.4	891.2	739.9	601.5	443.4	296.2	165.2	87.4	44.7	31.9	26.5
38°	955.8	824.3	666.8	504.6	341.7	202.9	100.3	49.2	35.2	26.8	22.0
39°	877.6	752.8	571.1	402.6	243.7	123.0	55.0	37.4	29.4	22.0	18.7
40°	809.2	650.7	469.8	302.1	156.7	68.2	39.6	31.2	23.8	18.4	15.0
42.5°	593.8	412.9	217.7	97.6	45.9	34.1	25.0	19.9	15.4	11.3	9.6
45°	352.8	185.7	65.6	40.0	29.0	21.6	15.8	12.5	9.6	7.0	5.9
47.5°	128.8	46.9	32.2	24.2	18.4	13.5	9.9	7.7	5.9	4.0	3.2
50°	26.5	22.8	17.7	14.2	10.6	8.1	5.9	4.4	3.2	2.5	2.2
51°	20.2	17.7	14.2	11.3	8.4	6.7	4.7	3.6	2.9	2.2	1.8
52°	15.4	13.5	11.0	9.2	7.0	5.1	3.6	2.9	2.2	1.5	1.5
53°	12.1	10.6	8.4	7.0	5.5	4.0	2.9	2.2	1.8	1.5	1.5
54°	9.2	8.1	6.7	5.5	4.4	3.2	2.2	1.8	1.5	1.5	1.0
55°	6.7	6.2	5.1	4.0	3.2	2.5	1.8	1.5	1.5	1.0	1.0
57.5°	3.2	2.9	2.5	2.2	1.8	1.5	1.0	1.0	1.0	1.0	0.7
60°	1.8	1.5	1.5	1.5	1.0	1.0	1.0	0.7	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.7	0.7	0.7	0.7	1.0	0.7	0.7	0.7	1.0	1.0	1.0
64°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
65°	0.3	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
66°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
75°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
77.5°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
80°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
87.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219585

CATALOG NUMBER: LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	54.7	55.4	54.7	54.0	53.6	53.6	53.2	52.1	52.5	52.1	52.1
5°	59.2	59.5	58.0	56.9	56.2	55.4	54.7	53.2	52.8	52.5	52.1
7.5°	64.9	64.6	61.7	59.9	58.0	56.5	55.0	53.2	52.5	51.4	50.6
10°	73.4	70.8	66.0	62.7	60.2	57.2	55.0	52.1	50.6	49.2	48.2
11°	77.1	73.4	68.6	64.2	60.9	57.6	55.0	51.4	49.6	48.2	46.6
12°	88.4	78.5	70.8	66.0	61.7	58.0	54.7	51.1	48.9	46.6	45.1
13°	114.5	91.4	75.6	67.1	62.7	58.4	54.3	50.3	47.7	45.1	43.7
14°	157.0	117.4	87.4	71.2	63.1	58.4	54.0	49.6	46.6	44.0	42.2
15°	208.1	157.8	111.3	81.1	64.6	58.0	53.2	48.5	45.1	42.2	40.4
17.5°	350.5	284.8	213.6	151.9	93.9	63.4	50.3	44.7	40.8	37.4	35.2
20°	469.8	394.3	313.8	237.1	162.6	101.3	58.0	40.8	35.9	32.2	30.2
21°	495.9	424.9	339.9	259.5	182.4	117.4	65.6	40.8	34.1	30.5	28.3
22°	509.4	441.2	356.0	274.1	196.0	128.8	73.7	41.1	32.2	28.7	26.0
23°	507.2	444.8	362.2	278.6	202.2	134.4	77.1	41.5	30.5	26.8	24.2
24°	494.0	434.8	356.0	273.4	200.4	132.9	75.9	40.8	28.7	25.0	22.8
25°	477.5	415.5	339.1	259.5	188.7	123.8	70.5	38.2	27.2	23.5	21.3
26°	458.8	396.0	315.6	234.8	169.5	108.3	59.5	33.7	25.0	21.6	19.9
27°	436.4	370.7	286.6	208.8	143.2	87.4	47.7	28.7	23.1	19.9	18.4
28°	403.0	334.8	249.6	174.4	114.5	66.0	35.9	24.5	21.3	18.4	17.0
29°	353.1	284.0	203.3	136.1	84.0	45.4	27.6	22.0	19.1	16.5	15.4
30°	290.7	224.5	150.8	93.6	54.0	30.9	22.4	19.4	17.0	15.0	14.2
31°	220.2	159.6	97.6	54.0	32.2	22.8	19.9	17.0	15.0	13.5	13.2
32°	145.4	96.5	51.8	31.2	23.5	19.9	17.3	15.0	13.5	12.5	12.1
33°	77.8	44.4	29.7	23.5	19.9	17.3	15.0	13.2	12.1	11.3	11.0
34°	39.6	29.0	24.2	20.2	17.0	15.0	13.2	11.8	11.0	10.3	9.9
35°	29.4	25.0	20.9	17.3	14.7	13.2	11.8	10.6	9.9	9.2	9.2
36°	25.0	20.9	17.3	15.0	13.2	11.8	10.6	9.2	8.8	8.4	8.1
37°	20.9	18.0	15.0	12.8	11.3	10.3	9.2	8.4	7.7	7.4	7.4
38°	17.7	15.4	12.8	11.0	9.9	9.2	8.1	7.4	7.0	6.7	6.7
39°	14.7	12.8	11.0	9.6	8.4	7.7	7.0	6.7	6.2	5.9	5.9
40°	12.1	11.0	9.2	8.1	7.4	6.7	6.2	5.9	5.5	5.1	5.5
42.5°	7.7	6.7	5.9	5.5	4.7	4.7	4.4	4.0	4.0	4.0	4.0
45°	4.4	4.0	3.6	3.6	3.2	3.2	3.2	2.9	3.2	3.2	3.2
47.5°	2.5	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5
50°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8
51°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
52°	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
53°	1.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
54°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
57.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5



TEST NUMBER: P1219585

CATALOG NUMBER: LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.0	1.0	1.5	1.5
64°	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.0	1.0	1.0	1.5
65°	1.0	1.0	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.5
66°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.5	1.5
67.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.5	1.5	1.5
70°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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

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TEST NUMBER: P1219585

CATALOG NUMBER: LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	51.1	50.6	50.3	50.3	47.4	45.9	44.0	44.0
5°	50.3	49.9	49.2	48.5	43.7	41.5	39.3	38.9
7.5°	48.9	47.7	46.6	45.9	40.0	37.4	35.2	34.8
10°	45.9	44.4	43.3	42.5	36.3	33.7	31.9	31.9
11°	44.4	43.0	41.8	40.8	34.4	32.2	30.9	30.9
12°	43.0	41.5	40.0	39.3	33.0	31.2	29.7	29.4
13°	41.5	39.6	38.6	37.4	31.5	29.7	28.7	28.7
14°	40.0	38.2	36.6	35.6	30.2	28.3	27.6	27.6
15°	37.9	35.9	34.8	33.7	28.3	27.2	26.5	26.8
17.5°	32.7	31.2	30.2	29.0	24.5	24.2	24.2	24.5
20°	28.0	26.5	25.3	24.5	21.3	21.6	22.0	22.8
21°	26.0	24.5	23.5	22.8	20.2	20.6	21.3	22.0
22°	24.2	23.1	22.0	21.3	19.1	19.4	20.6	21.3
23°	22.4	21.3	20.6	19.9	18.0	18.7	19.9	20.6
24°	20.9	19.9	19.1	18.4	17.0	17.7	19.1	19.9
25°	19.4	18.4	17.7	17.3	15.8	17.0	18.4	19.1
26°	18.0	17.3	16.5	16.2	15.0	16.2	17.7	18.7
27°	16.5	15.8	15.4	15.0	13.9	15.4	17.0	18.0
28°	15.4	14.7	14.2	13.9	13.2	14.7	16.5	17.3
29°	14.2	13.5	13.2	12.8	12.5	13.9	15.8	17.0
30°	13.2	12.8	12.1	12.1	11.8	13.5	15.0	16.2
31°	12.1	11.8	11.3	11.0	11.0	12.8	14.7	15.8
32°	11.3	11.0	10.6	10.3	10.6	12.1	13.9	15.4
33°	10.3	9.9	9.9	9.6	9.9	11.8	13.5	15.0
34°	9.2	9.2	8.8	8.8	9.6	11.3	13.2	14.2
35°	8.4	8.1	8.1	8.1	9.2	10.6	12.8	13.9
36°	7.7	7.7	7.4	7.4	8.8	10.3	12.5	13.5
37°	7.0	7.0	7.0	6.7	8.1	9.9	11.8	13.2
38°	6.2	6.2	6.2	6.2	7.7	9.6	11.8	13.2
39°	5.5	5.5	5.9	5.9	7.4	9.2	11.0	12.8
40°	5.1	5.1	5.1	5.1	7.0	8.8	10.6	12.5
42.5°	4.0	4.0	4.4	4.4	6.2	8.1	9.9	11.3
45°	3.2	3.2	3.6	3.6	5.5	7.4	8.8	10.6
47.5°	2.5	2.5	2.9	2.9	4.7	6.7	8.1	9.6
50°	1.8	2.2	2.2	2.5	4.4	5.9	7.0	8.4
51°	1.8	1.8	2.2	2.2	4.0	5.5	6.7	8.1
52°	1.8	1.8	2.2	2.2	3.6	5.1	6.2	7.4
53°	1.5	1.8	1.8	2.2	3.6	5.1	5.9	7.0
54°	1.5	1.5	1.8	1.8	3.6	4.7	5.9	6.2
55°	1.5	1.5	1.8	1.8	3.2	4.7	5.5	5.9
57.5°	1.5	1.5	1.5	1.5	2.9	4.0	4.7	4.7
60°	1.5	1.5	1.5	1.5	2.9	3.6	4.4	3.2



TEST NUMBER: P1219585

CATALOG NUMBER: LDSQA6A10950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	1.5	1.5	1.5	1.5	2.5	3.2	3.2	2.5
64°	1.5	1.5	1.5	1.5	2.5	3.2	3.2	2.5
65°	1.5	1.5	1.5	1.5	2.5	2.9	2.9	2.2
66°	1.5	1.5	1.5	1.5	2.5	2.9	2.9	2.2
67.5°	1.5	1.5	1.5	1.5	2.2	2.5	2.5	2.2
70°	1.5	1.5	1.5	1.5	2.2	2.5	2.2	1.8
72.5°	1.5	1.5	1.5	1.5	2.2	2.2	1.8	1.5
75°	1.5	1.5	1.5	1.5	1.8	1.8	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.8	1.8	1.5	1.0
80°	1.5	1.5	1.5	1.5	1.8	1.5	1.0	0.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.0	0.7	0.7
85°	1.5	1.5	1.5	1.5	1.5	1.0	0.7	0.3
87.5°	1.5	1.5	1.5	1.5	1.5	1.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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Peachtree City, GA 30269

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Scaled Data Report



— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
62°	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

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61°	1.5	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	1.0	1.0

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61°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
62°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

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61°	1.5	1.5	1.5	1.5	2.5	3.6	4.0	2.9
62°	1.5	1.5	1.5	1.5	2.5	3.2	3.6	2.5

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Scaled Data Report



(END OF REPORT)