

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: P1219591

Luminaire Tested: **LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219591
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: LDSQA6A15950D010TE 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

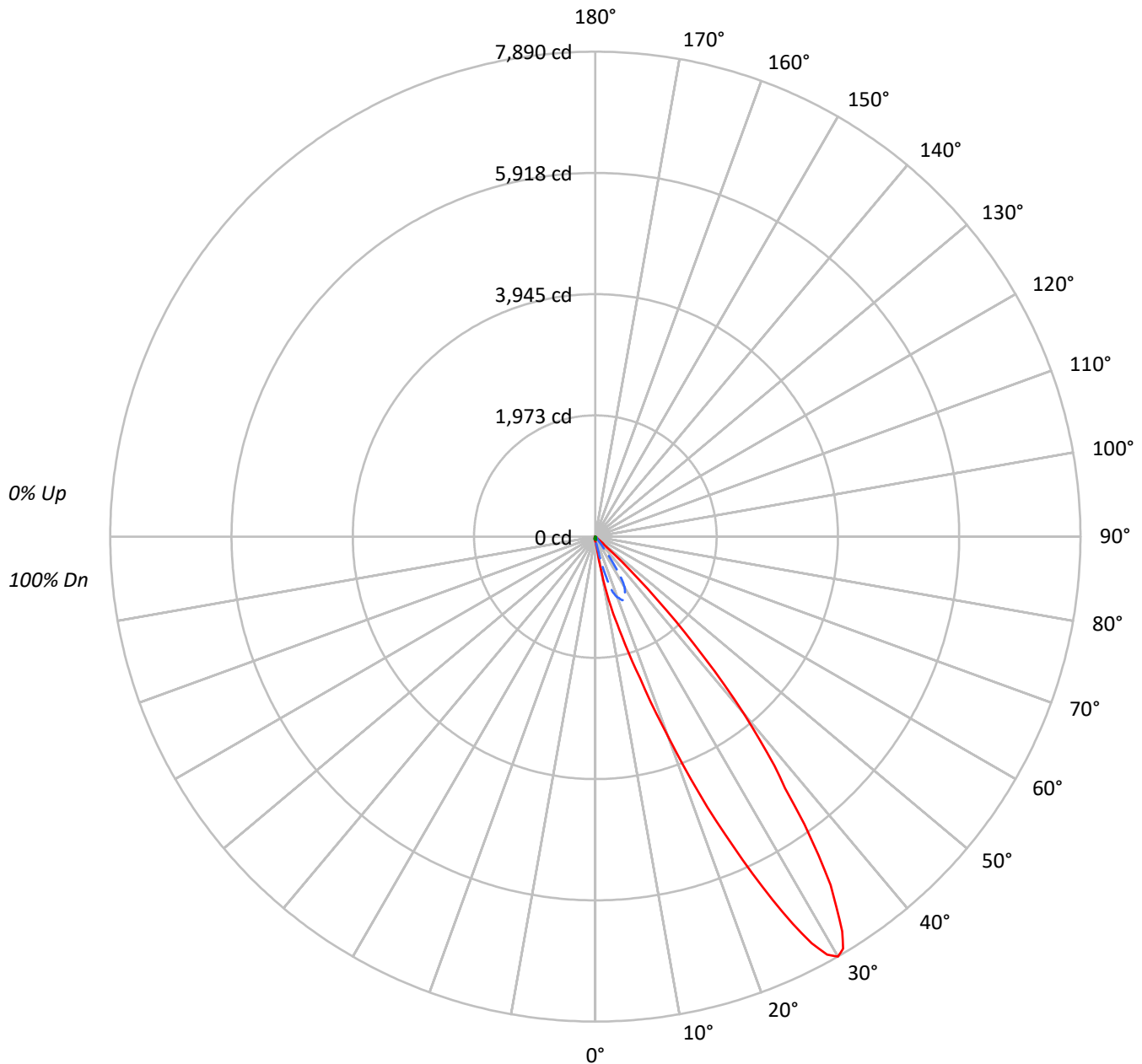
Lumens per Lamp: N/A
Luminaire Lumens: 1160.7 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	51		61	55	51		60
8	70	59	52	47	69	58	52	47	57	51	47		56	50	46		55
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3277	3277	3277
5°	5052	3103	2489
10°	27093	2754	2068
15°	74707	2229	1770
20°	158634	1668	1544
25°	287149	1216	1344
30°	392257	890	1188
35°	332497	631	1088
40°	211062	427	1040
45°	73153	329	962
50°	4481	255	837
55°	773	203	653
60°	189	189	422
65°	102	224	326
70°	126	277	340
75°	0	366	366
80°	0	545	248
85°	0	1087	247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.8
10°-20°	119.4	10.3
20°-30°	414.8	35.7
30°-40°	454.7	39.2
40°-50°	150.0	12.9
50°-60°	6.2	0.5
60°-70°	2.7	0.2
70°-80°	2.1	0.2
80°-90°	1.4	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°	543.6	46.8
0°-40°	998.3	86.0
0°-60°	1154.5	99.5
0°-90°	1160.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	76	76	76	76	76	
5°	117	95	72	62	58	25
15°	1676	683	50	40	40	557
25°	6044	1120	26	25	28	2829
35°	6326	374	12	16	21	3802
45°	1201	18	5	11	16	1058
55°	10	2	3	7	9	15
65°	1	2	2	4	3	1
75°	0	2	2	3	2	0
85°	0	2	2	2	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°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	90.3	89.6	89.6	89.6	89.1	88.1	88.1	88.6	88.6	88.1	88.6
5°	116.9	115.8	115.2	114.7	112.5	112.0	109.8	111.5	109.8	108.2	108.2
7.5°	214.1	213.6	204.4	198.4	188.1	176.2	172.8	173.4	165.8	158.7	154.3
10°	619.7	620.8	593.6	604.4	565.3	549.5	519.7	508.8	481.6	458.8	431.1
11°	829.0	827.9	793.6	804.0	764.3	742.0	708.3	690.9	656.7	633.9	599.0
12°	1055.2	1022.0	1010.6	1020.3	979.6	950.2	909.5	887.1	844.8	821.4	779.5
13°	1279.1	1269.3	1231.3	1240.5	1198.6	1134.5	1117.7	1091.1	1041.6	1013.8	967.1
14°	1473.2	1437.3	1425.3	1431.4	1390.0	1329.1	1312.3	1304.1	1228.0	1198.1	1145.9
15°	1676.0	1632.5	1615.6	1593.3	1568.8	1496.6	1472.1	1456.3	1377.5	1327.5	1293.8
17.5°	2413.0	2351.6	2310.4	2259.7	2205.9	2072.2	2016.8	1964.0	1825.9	1759.7	1659.6
20°	3462.2	3368.1	3262.2	3152.3	3046.9	2811.0	2673.9	2527.2	2338.5	2181.0	2061.4
21°	3969.9	3857.4	3729.6	3647.1	3448.6	3160.6	2975.6	2766.4	2524.0	2328.8	2178.2
22°	4502.2	4373.8	4267.3	4145.5	3870.5	3526.8	3294.8	3026.2	2712.6	2471.8	2281.6
23°	5019.0	4874.0	4746.2	4597.8	4279.8	3881.9	3606.3	3286.1	2908.3	2608.7	2373.4
24°	5512.7	5362.1	5215.3	5020.2	4656.0	4216.2	3892.2	3527.5	3094.7	2740.3	2459.8
25°	6044.4	5868.2	5678.5	5381.7	5011.4	4514.1	4141.2	3737.2	3260.5	2861.6	2532.6
26°	6573.8	6368.3	6084.0	5781.8	5339.3	4782.6	4357.5	3907.4	3401.8	2958.8	2586.5
27°	7070.6	6850.5	6516.7	6103.0	5633.4	5012.6	4535.9	4042.3	3500.2	3021.9	2611.4
28°	7495.8	7253.3	6881.5	6410.1	5852.4	5181.6	4653.8	4121.6	3547.5	3045.8	2614.8
29°	7775.7	7533.8	7133.2	6609.7	5976.4	5265.3	4700.5	4139.0	3544.8	3031.7	2592.4
30°	7889.9	7645.8	7236.4	6674.9	5999.8	5267.0	4681.6	4102.6	3497.5	2987.1	2548.4
31°	7823.0	7588.7	7173.4	6608.1	5917.1	5190.8	4601.6	4010.7	3403.5	2908.3	2482.7
32°	7576.2	7361.4	6962.5	6424.3	5746.9	5038.1	4464.1	3874.8	3270.9	2805.5	2400.5
33°	7200.0	7021.1	6613.5	6117.2	5519.8	4850.6	4296.7	3736.7	3111.1	2680.0	2313.1
34°	6839.7	6575.4	6213.9	5773.0	5228.4	4607.0	4089.0	3519.3	2941.4	2541.9	2213.0
35°	6325.9	6089.4	5755.7	5378.5	4889.1	4309.7	3791.6	3307.3	2751.7	2408.7	2108.1
36°	5784.0	5575.8	5333.3	4995.2	4527.1	3999.3	3525.3	3046.9	2556.5	2260.3	1997.2
37°	5121.8	5075.1	4849.5	4567.4	4149.3	3661.7	3216.0	2802.3	2373.9	2123.3	1875.4
38°	4731.0	4577.7	4371.1	4122.7	3712.8	3322.5	2917.5	2556.5	2208.1	1995.0	1736.8
39°	4233.6	4104.3	3913.9	3690.5	3337.8	2969.2	2639.7	2351.6	2071.2	1865.7	1587.4
40°	3755.2	3647.6	3473.1	3281.2	2961.0	2657.7	2400.0	2171.1	1935.2	1727.5	1439.5
42.5°	2368.0	2314.6	2242.9	2216.9	2102.2	2023.3	1929.2	1797.1	1589.5	1355.7	1154.6
45°	1201.4	1167.1	1166.0	1219.3	1255.7	1259.5	1250.8	1217.1	1082.3	1015.5	836.6
47.5°	202.2	192.4	198.4	234.3	284.9	346.3	414.8	499.0	589.3	570.2	439.2
50°	66.9	64.7	63.0	64.7	62.5	64.2	63.0	61.5	55.4	58.1	59.8
51°	41.3	44.0	42.4	43.5	43.0	44.6	44.6	44.0	40.2	37.5	34.2
52°	28.3	28.8	29.3	29.8	29.3	29.8	30.5	30.5	29.3	28.3	25.6
53°	20.1	20.1	20.7	20.7	20.7	21.2	21.2	21.2	20.7	20.7	20.1
54°	14.1	14.7	14.7	14.7	14.7	15.2	15.2	15.2	15.8	15.2	15.2
55°	10.3	10.3	10.3	10.3	10.3	10.3	10.9	10.9	11.4	11.4	10.9
57.5°	4.4	4.4	3.8	4.4	4.4	4.4	4.4	4.9	4.9	5.4	5.4
60°	2.2	2.2	2.2	2.2	1.7	2.2	2.2	2.2	2.2	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0
64°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
66°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	86.9	88.1	86.4	87.6	85.4	85.4	83.7	84.2	83.7	82.6	82.6
5°	105.5	105.5	102.8	102.8	99.5	97.9	95.2	95.2	93.5	90.8	90.3
7.5°	144.6	139.2	133.2	131.0	124.5	120.1	115.2	113.0	108.2	103.8	100.6
10°	387.1	351.2	315.8	294.1	240.9	202.2	173.4	153.8	139.7	122.8	116.4
11°	545.8	500.1	454.0	408.8	356.6	303.9	270.7	218.5	185.3	147.9	129.9
12°	717.6	663.7	607.8	556.6	494.1	427.9	382.2	315.8	269.0	206.5	163.1
13°	893.7	832.8	766.0	712.7	642.0	565.9	494.1	432.7	374.5	293.0	229.4
14°	1063.3	998.6	925.2	869.2	789.9	707.2	626.2	558.3	487.7	390.3	312.0
15°	1214.4	1168.2	1075.3	1019.8	934.4	846.4	756.2	683.3	599.6	491.4	401.1
17.5°	1530.8	1445.4	1331.8	1276.9	1192.2	1116.0	1018.2	952.4	849.2	735.0	635.4
20°	1903.7	1778.1	1624.3	1508.5	1361.8	1228.0	1104.6	1053.0	988.8	911.0	818.2
21°	2005.8	1870.5	1702.6	1584.6	1434.1	1296.5	1151.4	1069.2	999.1	931.7	854.0
22°	2080.4	1937.4	1760.7	1637.9	1482.9	1346.5	1198.1	1099.7	1006.2	930.1	860.0
23°	2143.4	1991.2	1807.5	1673.8	1511.7	1370.9	1222.0	1124.1	1020.9	926.3	850.2
24°	2200.5	2033.6	1840.6	1697.2	1526.4	1379.7	1225.3	1128.5	1027.9	928.5	837.2
25°	2243.5	2060.2	1859.6	1709.1	1529.7	1377.0	1217.6	1120.4	1019.8	921.4	822.4
26°	2272.8	2072.7	1865.1	1708.5	1523.2	1366.0	1201.9	1103.5	1000.3	895.9	798.5
27°	2282.1	2069.5	1857.5	1696.0	1506.9	1344.8	1175.3	1071.4	969.8	865.4	766.5
28°	2272.8	2056.5	1840.1	1671.6	1479.7	1310.1	1132.4	1029.1	937.1	831.7	727.4
29°	2247.2	2033.1	1808.0	1635.2	1436.8	1253.5	1077.4	988.3	899.7	780.6	661.5
30°	2207.6	1990.7	1761.9	1581.8	1373.1	1182.4	1027.9	950.8	837.7	697.9	569.7
31°	2152.2	1935.8	1702.1	1511.2	1288.4	1112.8	985.0	880.7	740.9	588.7	457.7
32°	2084.7	1870.5	1615.0	1417.2	1204.6	1057.9	908.9	773.6	618.6	459.4	333.7
33°	2012.4	1786.8	1515.6	1318.2	1132.9	984.5	799.1	641.5	481.6	322.9	210.4
34°	1928.7	1684.1	1404.1	1218.8	1052.4	874.1	668.6	498.5	343.5	196.2	108.2
35°	1827.6	1557.4	1293.2	1132.9	937.1	727.9	525.6	373.5	215.3	98.9	58.8
36°	1705.3	1427.0	1197.0	1022.5	802.4	584.4	379.4	238.1	115.8	58.1	46.2
37°	1549.8	1319.9	1096.0	891.0	656.7	438.7	244.6	129.4	66.4	47.3	39.1
38°	1415.5	1221.0	987.7	747.4	506.1	300.7	148.4	72.8	52.2	39.7	32.7
39°	1299.8	1114.9	845.8	596.3	361.0	182.1	81.5	55.4	43.5	32.7	27.8
40°	1198.6	963.8	695.9	447.4	232.1	101.1	58.8	46.2	35.4	27.1	22.3
42.5°	879.5	611.5	322.4	144.6	67.9	50.5	36.9	29.3	22.9	16.8	14.1
45°	522.4	275.1	97.3	59.3	43.0	32.0	23.4	18.5	14.1	10.3	8.7
47.5°	190.8	69.6	47.8	35.9	27.1	20.1	14.7	11.4	8.7	5.9	4.9
50°	39.1	33.7	26.1	21.2	15.8	12.0	8.7	6.6	4.9	3.8	3.2
51°	29.8	26.1	21.2	16.8	12.5	9.8	7.1	5.4	4.4	3.2	2.7
52°	22.9	20.1	16.3	13.6	10.3	7.6	5.4	4.4	3.2	2.2	2.2
53°	17.9	15.8	12.5	10.3	8.1	5.9	4.4	3.2	2.7	2.2	2.2
54°	13.6	12.0	9.8	8.1	6.6	4.9	3.2	2.7	2.2	2.2	1.7
55°	9.8	9.3	7.6	5.9	4.9	3.8	2.7	2.2	2.2	1.7	1.7
57.5°	4.9	4.4	3.8	3.2	2.7	2.2	1.7	1.7	1.7	1.7	1.0
60°	2.7	2.2	2.2	2.2	1.7	1.7	1.7	1.0	1.0	1.7	1.7



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CATALOG NUMBER: LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.0	1.7	1.7	1.7
64°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
65°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
66°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
75°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
77.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
80°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
82.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
85°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
87.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.7	1.7	1.7	1.7
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: P1219591

CATALOG NUMBER: LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	81.0	82.1	81.0	79.9	79.4	79.4	78.8	77.2	77.7	77.2	77.2
5°	87.6	88.1	85.9	84.2	83.2	82.1	81.0	78.8	78.3	77.7	77.2
7.5°	96.2	95.7	91.3	88.6	85.9	83.7	81.5	78.8	77.7	76.1	75.0
10°	108.7	104.9	97.9	93.0	89.1	84.8	81.5	77.2	75.0	72.8	71.2
11°	114.2	108.7	101.6	95.2	90.3	85.4	81.5	76.1	73.4	71.2	69.1
12°	131.0	116.4	104.9	97.9	91.3	85.9	81.0	75.6	72.3	69.1	66.9
13°	169.6	135.4	112.0	99.5	93.0	86.4	80.5	74.5	70.7	66.9	64.7
14°	232.6	174.0	129.4	105.5	93.5	86.4	79.9	73.4	69.1	65.2	62.5
15°	308.3	233.8	164.7	120.1	95.7	85.9	78.8	71.8	66.9	62.5	59.8
17.5°	519.2	421.8	316.4	225.1	139.2	94.0	74.5	66.4	60.3	55.4	52.2
20°	695.9	583.9	464.8	351.2	240.9	150.1	85.9	60.3	53.2	47.8	44.6
21°	734.4	629.5	503.4	384.3	270.2	174.0	97.3	60.3	50.5	45.1	41.8
22°	754.5	653.4	527.3	406.1	290.3	190.8	109.3	60.8	47.8	42.4	38.6
23°	751.3	658.8	536.5	412.6	299.5	199.0	114.2	61.5	45.1	39.7	35.9
24°	731.6	644.2	527.3	405.0	296.8	196.8	112.5	60.3	42.4	36.9	33.7
25°	707.2	615.4	502.3	384.3	279.4	183.1	104.4	56.6	40.2	34.8	31.5
26°	679.5	586.6	467.5	347.9	251.2	160.4	88.1	50.0	36.9	32.0	29.3
27°	646.4	549.0	424.5	309.3	212.1	129.4	70.7	42.4	34.2	29.3	27.1
28°	596.9	495.8	369.6	258.2	169.6	97.9	53.2	36.4	31.5	27.1	25.0
29°	522.9	420.8	301.2	201.7	124.5	67.4	40.8	32.7	28.3	24.4	22.9
30°	430.6	332.7	223.4	138.6	79.9	45.7	33.2	28.8	25.0	22.3	21.2
31°	326.1	236.5	144.6	79.9	47.8	33.7	29.3	25.0	22.3	20.1	19.6
32°	215.3	143.0	76.6	46.2	34.8	29.3	25.6	22.3	20.1	18.5	17.9
33°	115.2	65.7	44.0	34.8	29.3	25.6	22.3	19.6	17.9	16.8	16.3
34°	58.8	43.0	35.9	29.8	25.0	22.3	19.6	17.4	16.3	15.2	14.7
35°	43.5	36.9	31.0	25.6	21.7	19.6	17.4	15.8	14.7	13.6	13.6
36°	36.9	31.0	25.6	22.3	19.6	17.4	15.8	13.6	13.0	12.5	12.0
37°	31.0	26.6	22.3	19.0	16.8	15.2	13.6	12.5	11.4	10.9	10.9
38°	26.1	22.9	19.0	16.3	14.7	13.6	12.0	10.9	10.3	9.8	9.8
39°	21.7	19.0	16.3	14.1	12.5	11.4	10.3	9.8	9.3	8.7	8.7
40°	17.9	16.3	13.6	12.0	10.9	9.8	9.3	8.7	8.1	7.6	8.1
42.5°	11.4	9.8	8.7	8.1	7.1	7.1	6.6	5.9	5.9	5.9	5.9
45°	6.6	5.9	5.4	5.4	4.9	4.9	4.9	4.4	4.9	4.9	4.9
47.5°	3.8	3.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.8	3.8
50°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7
51°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
52°	2.2	2.2	2.2	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2
53°	1.7	2.2	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2
54°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2
55°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2
57.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2
60°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2



TEST NUMBER: P1219591

CATALOG NUMBER: LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.7	1.7	1.7	1.7	1.7	2.2	1.7	1.7	1.7	2.2	2.2
64°	1.7	1.7	1.7	1.7	1.7	2.2	1.7	1.7	1.7	1.7	2.2
65°	1.7	1.7	2.2	2.2	2.2	2.2	1.7	1.7	1.7	1.7	2.2
66°	1.7	1.7	2.2	2.2	2.2	2.2	2.2	1.7	1.7	2.2	2.2
67.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	1.7	2.2	2.2	2.2
70°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P1219591

CATALOG NUMBER: LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	75.6	75.0	74.5	74.5	70.1	67.9	65.2	65.2
5°	74.5	73.9	72.8	71.8	64.7	61.5	58.1	57.6
7.5°	72.3	70.7	69.1	67.9	59.3	55.4	52.2	51.7
10°	67.9	65.7	64.2	63.0	53.8	50.0	47.3	47.3
11°	65.7	63.6	62.0	60.3	51.1	47.8	45.7	45.7
12°	63.6	61.5	59.3	58.1	48.9	46.2	44.0	43.5
13°	61.5	58.8	57.1	55.4	46.8	44.0	42.4	42.4
14°	59.3	56.6	54.4	52.7	44.6	41.8	40.8	40.8
15°	56.0	53.2	51.7	50.0	41.8	40.2	39.1	39.7
17.5°	48.4	46.2	44.6	43.0	36.4	35.9	35.9	36.4
20°	41.3	39.1	37.5	36.4	31.5	32.0	32.7	33.7
21°	38.6	36.4	34.8	33.7	29.8	30.5	31.5	32.7
22°	35.9	34.2	32.7	31.5	28.3	28.8	30.5	31.5
23°	33.2	31.5	30.5	29.3	26.6	27.8	29.3	30.5
24°	31.0	29.3	28.3	27.1	25.0	26.1	28.3	29.3
25°	28.8	27.1	26.1	25.6	23.4	25.0	27.1	28.3
26°	26.6	25.6	24.4	23.9	22.3	23.9	26.1	27.8
27°	24.4	23.4	22.9	22.3	20.7	22.9	25.0	26.6
28°	22.9	21.7	21.2	20.7	19.6	21.7	24.4	25.6
29°	21.2	20.1	19.6	19.0	18.5	20.7	23.4	25.0
30°	19.6	19.0	17.9	17.9	17.4	20.1	22.3	23.9
31°	17.9	17.4	16.8	16.3	16.3	19.0	21.7	23.4
32°	16.8	16.3	15.8	15.2	15.8	17.9	20.7	22.9
33°	15.2	14.7	14.7	14.1	14.7	17.4	20.1	22.3
34°	13.6	13.6	13.0	13.0	14.1	16.8	19.6	21.2
35°	12.5	12.0	12.0	12.0	13.6	15.8	19.0	20.7
36°	11.4	11.4	10.9	10.9	13.0	15.2	18.5	20.1
37°	10.3	10.3	10.3	9.8	12.0	14.7	17.4	19.6
38°	9.3	9.3	9.3	9.3	11.4	14.1	17.4	19.6
39°	8.1	8.1	8.7	8.7	10.9	13.6	16.3	19.0
40°	7.6	7.6	7.6	7.6	10.3	13.0	15.8	18.5
42.5°	5.9	5.9	6.6	6.6	9.3	12.0	14.7	16.8
45°	4.9	4.9	5.4	5.4	8.1	10.9	13.0	15.8
47.5°	3.8	3.8	4.4	4.4	7.1	9.8	12.0	14.1
50°	2.7	3.2	3.2	3.8	6.6	8.7	10.3	12.5
51°	2.7	2.7	3.2	3.2	5.9	8.1	9.8	12.0
52°	2.7	2.7	3.2	3.2	5.4	7.6	9.3	10.9
53°	2.2	2.7	2.7	3.2	5.4	7.6	8.7	10.3
54°	2.2	2.2	2.7	2.7	5.4	7.1	8.7	9.3
55°	2.2	2.2	2.7	2.7	4.9	7.1	8.1	8.7
57.5°	2.2	2.2	2.2	2.2	4.4	5.9	7.1	7.1
60°	2.2	2.2	2.2	2.2	4.4	5.4	6.6	4.9



TEST NUMBER: P1219591

CATALOG NUMBER: LDSQA6A15950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.2	2.2	2.2	2.2	3.8	4.9	4.9	3.8
64°	2.2	2.2	2.2	2.2	3.8	4.9	4.9	3.8
65°	2.2	2.2	2.2	2.2	3.8	4.4	4.4	3.2
66°	2.2	2.2	2.2	2.2	3.8	4.4	4.4	3.2
67.5°	2.2	2.2	2.2	2.2	3.2	3.8	3.8	3.2
70°	2.2	2.2	2.2	2.2	3.2	3.8	3.2	2.7
72.5°	2.2	2.2	2.2	2.2	3.2	3.2	2.7	2.2
75°	2.2	2.2	2.2	2.2	2.7	2.7	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.7	2.7	2.2	1.7
80°	2.2	2.2	2.2	2.2	2.7	2.2	1.7	1.0
82.5°	2.2	2.2	2.2	2.2	2.2	1.7	1.0	1.0
85°	2.2	2.2	2.2	2.2	2.2	1.7	1.0	0.5
87.5°	2.2	2.2	2.2	2.2	2.2	1.7	0.5	0.5
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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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.2
62°	1.7	1.7	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

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Scaled Data Report





61°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.0	1.0	1.7	1.7
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.0	1.0	1.0	1.7	1.7

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Scaled Data Report





61°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

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Peachtree City, GA 30269

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



61°	2.2	2.2	2.2	2.2	3.8	5.4	5.9	4.4
62°	2.2	2.2	2.2	2.2	3.8	4.9	5.4	3.8

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Scaled Data Report



(END OF REPORT)