

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: P1212534

Luminaire Tested: **LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29056)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° NARROW FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

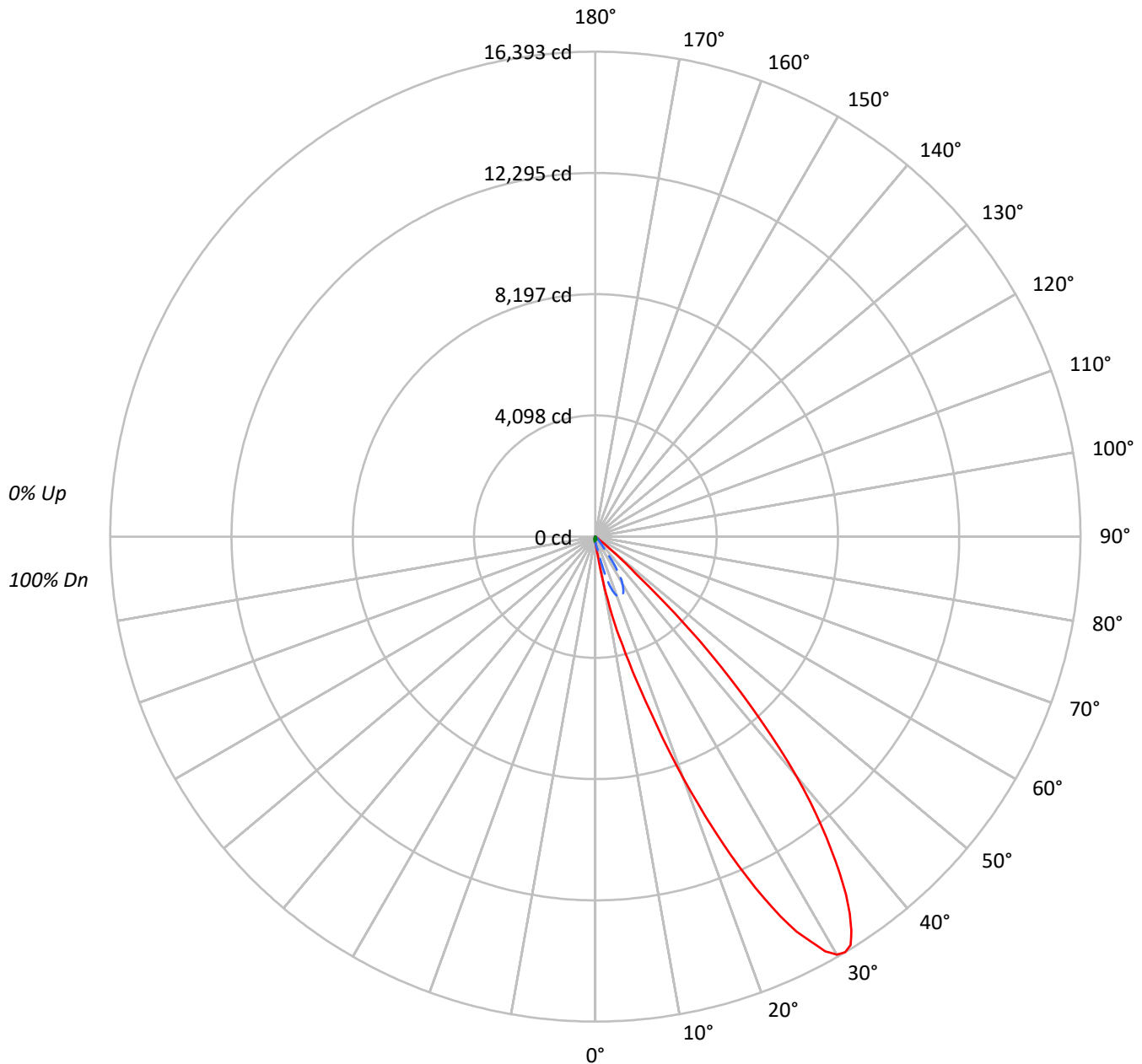
Lumens per Lamp: N/A
Luminaire Lumens: 2861.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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

TEST NUMBER: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

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	112	109	106	104	110	107	104	102		103	101	99			99	97	96			96
2	105	100	95	91	103	98	94	90		95	91	88			92	89	86			89
3	99	91	85	80	96	89	84	80		87	82	78			84	80	77			82
4	92	83	76	71	90	82	75	71		79	74	70			77	73	69			75
5	86	76	69	63	84	75	68	63		73	67	62			71	66	62			69
6	80	69	62	57	78	68	61	56		67	61	56			65	60	56			64
7	75	63	56	51	73	63	56	51		61	55	50			60	54	50			59
8	70	58	51	46	68	57	50	46		56	50	45			55	49	45			54
9	65	53	46	41	64	53	46	41		52	45	41			51	45	41			50
10	61	49	42	37	60	48	42	37		48	41	37			47	41	37			46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	8310	8310	8310
5°	16579	8052	5446
10°	74564	7043	4075
15°	195481	5768	3272
20°	398010	4371	2763
25°	640433	3230	2342
30°	811198	2292	2068
35°	775972	1493	1845
40°	594999	922	1731
45°	302598	603	1601
50°	46406	449	1400
55°	6095	405	983
60°	663	370	663
65°	112	438	550
70°	138	680	680
75°	0	898	532
80°	0	1066	545
85°	0	2124	543



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CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.9
10°-20°	282.9	9.9
20°-30°	926.3	32.4
30°-40°	1127.5	39.4
40°-50°	458.1	16.0
50°-60°	27.2	1.0
60°-70°	5.3	0.2
70°-80°	4.6	0.2
80°-90°	3.3	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°	1234.9	43.2
0°-40°	2362.5	82.6
0°-60°	2847.7	99.5
0°-90°	2861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2861.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	193	193	193	193	193	
5°	384	293	186	138	126	73
15°	4386	1462	129	79	73	1427
25°	13481	2176	68	46	49	6195
35°	14763	869	28	27	35	8929
45°	4970	99	10	18	26	3813
55°	81	10	5	12	13	140
65°	1	3	4	8	5	2
75°	0	3	5	7	3	0
85°	0	3	4	4	1	0
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	271.8	259.7	265.3	264.2	259.7	260.8	263.0	258.7	260.8	254.3	255.4
5°	383.6	366.1	376.0	365.0	370.4	365.0	365.0	358.4	353.0	351.9	346.3
7.5°	669.8	626.9	640.1	592.9	600.7	585.4	571.1	555.7	529.4	516.2	487.8
10°	1705.5	1584.9	1613.5	1510.4	1508.2	1472.0	1405.3	1359.2	1261.6	1192.5	1093.9
11°	2157.1	2074.9	2100.1	1987.2	1981.8	1932.5	1853.5	1730.7	1676.0	1583.8	1461.1
12°	2746.8	2608.7	2624.0	2500.2	2488.1	2422.4	2333.5	2182.3	2116.6	2004.8	1860.1
13°	3282.8	3160.1	3161.2	3026.3	3012.1	2928.8	2831.2	2648.2	2574.7	2449.8	2275.6
14°	3775.0	3681.7	3663.2	3590.8	3514.1	3416.6	3313.4	3106.3	3025.3	2884.9	2685.4
15°	4385.5	4203.5	4167.4	4076.5	3983.2	3860.5	3734.5	3497.6	3407.8	3253.1	3054.8
17.5°	6186.4	5961.6	5863.0	5677.7	5502.4	5266.8	4993.7	4574.0	4366.8	4089.6	3779.3
20°	8686.6	8332.6	8134.2	7837.0	7554.2	7168.5	6697.1	6036.1	5729.2	5192.3	4683.6
21°	9676.3	9371.7	9122.8	8788.5	8454.2	7997.0	7437.1	6737.8	6264.2	5636.2	5039.8
22°	10676.0	10386.5	10096.2	9729.0	9355.1	8821.4	8175.8	7364.7	6795.7	6062.6	5375.3
23°	11660.2	11366.5	11142.9	10639.8	10214.5	9612.7	8897.0	7969.7	7308.7	6468.1	5690.9
24°	12605.0	12283.9	12005.5	11498.0	11016.9	10347.1	9576.5	8557.2	7804.3	6854.9	5983.6
25°	13480.9	13126.9	12784.9	12263.0	11740.3	11009.2	10176.1	9088.7	8255.7	7205.8	6250.0
26°	14286.4	13803.1	13431.6	12949.2	12355.2	11587.9	10703.3	9548.1	8644.9	7498.4	6459.3
27°	14984.6	14495.9	14069.5	13553.3	12890.2	12063.6	11138.6	9878.0	8952.8	7717.7	6605.1
28°	15492.2	15079.0	14587.9	14032.3	13303.3	12391.4	11433.4	10141.0	9138.1	7831.6	6665.4
29°	16030.4	15560.1	14988.1	14356.6	13563.0	12597.5	11595.6	10278.0	9214.9	7857.9	6653.3
30°	16316.5	15883.6	15210.5	14522.2	13675.0	12663.2	11630.7	10298.9	9190.8	7794.4	6574.3
31°	16393.1	15988.7	15243.5	14525.5	13639.9	12598.6	11544.1	10191.4	9060.3	7646.4	6427.4
32°	16282.4	15878.0	15104.2	14385.2	13478.8	12417.7	11353.3	9999.7	8847.7	7425.0	6218.1
33°	15884.6	15556.9	14810.4	14118.8	13233.2	12149.1	11072.7	9687.2	8516.7	7137.7	5966.1
34°	15376.0	15070.1	14381.8	13672.6	12844.1	11780.8	10685.9	9309.1	8136.4	6784.7	5666.8
35°	14763.2	14461.9	13827.2	13122.5	12328.9	11290.9	10190.3	8834.6	7686.9	6385.9	5334.7
36°	14040.9	13727.5	13141.1	12470.2	11747.9	10699.0	9603.9	8288.6	7176.1	5951.9	4979.5
37°	13246.4	12930.7	12406.7	11785.1	11070.5	10032.5	8947.4	7686.9	6636.8	5501.3	4608.0
38°	12407.8	12114.0	11638.3	11018.0	10310.9	9291.6	8229.4	7136.6	6087.8	5045.4	4232.0
39°	11547.4	11238.3	10789.9	10180.6	9485.6	8479.4	7480.8	6504.3	5614.2	4597.0	3886.7
40°	10586.2	10294.6	9774.9	9297.0	8600.0	7641.9	6731.1	5806.1	5088.1	4166.3	3573.2
42.5°	7830.5	7602.5	7325.3	6835.3	6320.2	5632.9	4996.1	4354.7	3833.1	3310.2	2875.1
45°	4969.6	4802.0	4659.5	4354.7	4146.5	3759.7	3430.8	3103.0	2856.4	2582.5	2099.0
47.5°	1839.2	1760.4	1709.8	1576.3	1564.2	1440.2	1428.3	1586.0	1679.2	1580.6	1189.3
50°	692.8	673.0	661.0	619.4	590.8	533.9	491.0	459.2	394.6	349.7	313.6
51°	454.9	440.6	419.8	416.5	404.5	372.6	353.0	346.3	302.6	255.4	219.2
52°	289.4	280.6	267.5	268.6	261.9	242.3	235.6	245.5	222.5	196.2	169.9
53°	182.0	177.5	168.8	168.8	167.8	154.6	152.3	161.1	156.8	144.7	129.4
54°	118.4	117.4	109.6	110.7	110.7	103.0	101.9	105.3	104.0	99.7	92.2
55°	81.2	80.1	78.8	75.6	73.4	71.3	71.3	72.4	71.3	69.1	64.6
57.5°	28.4	27.4	28.4	27.4	27.4	28.4	27.4	29.5	30.8	30.8	28.4
60°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	9.9	11.0	11.0	11.0



TEST NUMBER: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2
64°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
66°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	252.2	253.3	248.8	247.7	246.6	241.2	237.8	234.5	231.3	225.7	228.1
5°	337.7	337.7	327.8	321.1	317.9	305.8	300.4	292.7	283.9	277.4	274.0
7.5°	471.2	463.7	441.7	425.3	415.4	391.3	377.1	356.2	344.2	331.0	323.3
10°	999.7	948.1	840.8	763.9	691.6	603.9	524.0	461.5	420.8	391.3	372.6
11°	1347.1	1279.1	1142.1	1035.7	941.6	816.7	693.9	576.5	492.1	440.6	402.3
12°	1728.5	1640.9	1476.4	1345.0	1229.8	1073.2	916.4	761.8	640.1	543.6	464.8
13°	2125.3	2012.4	1821.8	1670.4	1537.7	1357.0	1170.5	985.3	837.4	706.0	586.4
14°	2518.7	2380.7	2171.3	1997.1	1848.1	1646.3	1434.8	1228.7	1055.5	890.1	744.3
15°	2876.2	2724.8	2540.7	2312.8	2151.7	1892.9	1693.4	1462.1	1264.9	1073.2	903.2
17.5°	3517.4	3313.4	3096.5	2860.7	2707.4	2452.0	2198.7	1919.3	1680.3	1442.5	1214.5
20°	4222.1	3858.3	3501.0	3150.2	2927.7	2655.9	2408.0	2131.9	1879.7	1610.1	1362.4
21°	4499.5	4082.9	3647.9	3254.2	3002.2	2711.7	2455.2	2169.2	1903.9	1616.8	1355.9
22°	4762.6	4264.9	3776.0	3342.1	3066.8	2769.8	2493.5	2193.3	1910.5	1609.0	1336.1
23°	5002.6	4440.2	3894.5	3418.7	3114.0	2798.3	2513.3	2203.2	1907.3	1591.6	1306.6
24°	5220.7	4601.3	3995.3	3475.8	3142.4	2807.1	2511.2	2195.5	1890.7	1565.3	1265.9
25°	5409.2	4728.6	4068.7	3506.4	3150.2	2802.8	2500.2	2175.7	1858.0	1520.3	1218.8
26°	5551.7	4809.6	4103.8	3510.7	3139.2	2788.4	2475.0	2139.7	1806.3	1460.0	1155.2
27°	5634.0	4839.3	4103.8	3492.2	3117.2	2762.1	2434.5	2083.7	1739.5	1385.5	1076.4
28°	5648.2	4826.2	4074.1	3453.8	3075.7	2716.2	2375.3	2012.4	1660.5	1296.7	989.8
29°	5611.0	4773.4	4010.6	3388.0	3014.3	2657.0	2298.6	1922.6	1566.4	1199.2	899.8
30°	5518.8	4677.1	3916.3	3304.8	2940.8	2579.0	2202.1	1822.9	1460.0	1098.4	796.9
31°	5375.3	4537.8	3795.8	3203.8	2849.8	2486.0	2095.7	1707.7	1340.5	973.3	685.1
32°	5184.5	4342.7	3662.1	3088.8	2749.0	2379.6	1963.1	1560.8	1182.6	821.0	555.7
33°	4959.9	4152.1	3513.1	2965.0	2639.3	2233.8	1780.0	1341.5	989.8	651.1	420.8
34°	4703.4	3947.0	3353.0	2834.5	2495.9	2020.1	1552.1	1115.8	778.1	475.7	297.0
35°	4419.5	3728.9	3185.3	2681.1	2268.9	1759.3	1291.1	869.2	563.4	322.2	223.6
36°	4117.0	3484.4	2993.4	2461.9	1997.1	1466.6	1015.0	625.9	373.7	240.1	193.0
37°	3832.0	3271.9	2795.0	2186.6	1690.2	1160.8	740.9	417.6	272.9	209.3	171.0
38°	3563.5	3066.8	2536.4	1882.1	1374.5	870.3	487.8	308.0	236.7	184.1	151.2
39°	3312.4	2860.7	2233.8	1555.4	1058.8	613.8	354.1	264.2	206.1	163.3	133.7
40°	3070.1	2565.9	1903.9	1268.1	771.7	428.6	298.1	233.5	182.0	143.6	112.9
42.5°	2302.9	1648.4	1054.4	577.6	362.9	279.5	212.6	164.3	120.6	88.7	68.0
45°	1445.8	838.4	452.7	324.4	253.3	189.5	138.1	98.6	72.4	53.6	42.7
47.5°	657.7	360.5	280.6	217.1	163.3	112.9	81.2	59.2	43.9	34.0	25.2
50°	241.2	205.0	166.7	123.8	89.8	64.6	47.2	35.1	26.3	19.8	14.2
51°	188.5	164.3	132.7	93.2	71.3	52.6	38.3	28.4	20.9	15.3	11.0
52°	148.0	130.5	101.9	72.4	56.0	41.6	30.8	22.0	15.3	12.1	8.8
53°	113.9	99.7	76.7	56.0	43.9	32.9	24.1	17.5	12.1	8.8	6.7
54°	84.4	73.4	57.1	42.7	34.0	25.2	17.5	13.1	8.8	6.7	5.4
55°	60.3	53.6	42.7	34.0	26.3	19.8	13.1	9.9	6.7	4.3	4.3
57.5°	25.2	24.1	19.8	16.4	13.1	9.9	6.7	4.3	4.3	3.2	4.3
60°	9.9	9.9	8.8	6.7	5.4	4.3	3.2	3.2	3.2	3.2	3.2



TEST NUMBER: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3
64°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3
65°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.3
66°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.3
67.5°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.3	4.3
70°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.3	4.3
72.5°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
75°	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
77.5°	1.1	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3
80°	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
82.5°	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
85°	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
87.5°	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	4.3	4.3
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: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	224.6	224.6	217.1	214.9	213.7	211.5	206.1	206.1	202.9	198.4	196.2
5°	266.4	264.2	252.2	245.5	240.1	233.5	222.5	218.2	211.5	205.0	199.4
7.5°	306.9	299.2	280.6	270.7	263.0	252.2	237.8	228.1	217.1	206.1	198.4
10°	347.4	332.1	305.8	289.4	275.0	259.7	242.3	231.3	217.1	202.9	191.9
11°	364.0	344.2	314.6	293.8	277.4	259.7	242.3	228.1	214.9	200.5	188.5
12°	395.6	358.4	323.3	300.4	279.5	259.7	240.1	224.6	210.4	196.2	184.1
13°	460.4	391.3	333.2	305.8	282.8	259.7	237.8	221.4	206.1	191.9	178.7
14°	577.6	459.2	359.5	311.2	283.9	259.7	235.6	216.0	200.5	185.2	173.2
15°	710.3	563.4	413.3	331.0	284.9	257.6	231.3	210.4	194.0	178.7	166.7
17.5°	985.3	788.0	585.4	429.7	312.3	250.9	214.9	194.0	175.3	160.0	145.8
20°	1097.3	868.1	640.1	460.4	323.3	240.1	196.2	174.2	154.6	139.1	127.1
21°	1082.9	852.8	623.7	439.6	302.6	224.6	186.3	165.6	146.9	130.5	119.5
22°	1053.4	816.7	585.4	401.2	277.4	209.3	177.5	155.7	138.1	122.8	111.8
23°	1013.9	765.0	541.4	360.5	250.9	195.1	168.8	146.9	130.5	115.0	105.3
24°	964.6	713.5	491.0	320.0	225.7	184.1	158.9	138.1	121.7	108.5	98.6
25°	909.7	659.9	437.4	286.0	210.4	173.2	148.0	128.2	113.9	101.9	92.2
26°	842.9	596.3	387.0	254.3	191.9	161.1	137.0	119.5	106.4	95.4	85.5
27°	766.3	530.5	331.0	221.4	176.4	149.0	127.1	111.8	99.7	88.7	78.8
28°	697.1	457.0	283.9	197.3	164.3	137.0	118.4	104.0	93.2	82.3	73.4
29°	610.6	387.0	242.3	178.7	151.2	128.2	109.6	96.5	85.5	74.5	66.8
30°	524.0	320.0	207.2	163.3	138.1	117.4	100.8	88.7	77.8	69.1	62.5
31°	434.0	265.3	182.0	150.1	126.0	108.5	93.2	82.3	71.3	63.5	57.1
32°	332.1	217.1	162.2	135.9	115.0	97.6	85.5	74.5	64.6	58.1	51.5
33°	249.8	183.1	146.9	122.8	104.0	89.8	77.8	66.8	59.2	52.6	47.2
34°	199.4	163.3	132.7	110.7	94.3	81.2	69.1	60.3	52.6	47.2	41.6
35°	175.3	146.9	118.4	99.7	84.4	71.3	61.4	53.6	47.2	41.6	37.3
36°	155.7	131.6	105.3	88.7	73.4	62.5	53.6	47.2	40.5	36.2	32.9
37°	139.1	116.1	93.2	76.7	63.5	54.7	47.2	40.5	35.1	31.9	29.5
38°	124.9	99.7	78.8	65.7	54.7	47.2	40.5	35.1	30.8	27.4	25.2
39°	106.4	84.4	65.7	56.0	46.1	39.4	34.0	30.8	26.3	24.1	22.0
40°	88.7	70.2	54.7	46.1	39.4	32.9	29.5	25.2	23.0	20.9	18.7
42.5°	54.7	43.9	35.1	29.5	25.2	22.0	19.8	17.5	15.3	14.2	13.1
45°	34.0	27.4	22.0	18.7	15.3	14.2	13.1	11.0	11.0	9.9	9.9
47.5°	19.8	16.4	12.1	11.0	8.8	8.8	7.7	7.7	6.7	7.7	6.7
50°	11.0	7.7	6.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
51°	8.8	6.7	5.4	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4
52°	6.7	5.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
53°	5.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
54°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
55°	4.3	4.3	4.3	4.3	4.3	3.2	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	3.2	3.2	4.3	3.2	4.3	4.3	4.3	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
64°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
66°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	5.4	5.4	5.4	5.4	4.3	4.3	4.3	4.3
72.5°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.3
75°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
77.5°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
80°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
82.5°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
85°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	195.1	195.1	194.0	191.9	175.3	161.1	152.3	151.2
5°	196.2	194.0	189.5	186.3	156.8	138.1	127.1	126.0
7.5°	191.9	187.4	182.0	175.3	139.1	119.5	109.6	107.5
10°	184.1	176.4	169.9	161.1	122.8	104.0	95.4	93.2
11°	178.7	171.0	164.3	155.7	116.1	98.6	89.8	88.7
12°	174.2	165.6	156.8	149.0	109.6	93.2	85.5	84.4
13°	167.8	158.9	151.2	142.6	104.0	88.7	81.2	80.1
14°	162.2	152.3	144.7	137.0	98.6	83.3	77.8	76.7
15°	155.7	145.8	137.0	129.4	93.2	78.8	74.5	73.4
17.5°	138.1	127.1	119.5	111.8	80.1	69.1	65.7	66.8
20°	117.4	108.5	101.9	95.4	68.0	60.3	59.2	60.3
21°	109.6	101.9	96.5	89.8	63.5	57.1	57.1	58.1
22°	103.0	95.4	89.8	83.3	60.3	53.6	53.6	56.0
23°	96.5	88.7	83.3	77.8	56.0	51.5	51.5	53.6
24°	89.8	83.3	77.8	72.4	52.6	48.2	49.3	51.5
25°	83.3	77.8	72.4	68.0	49.3	46.1	47.2	49.3
26°	78.8	72.4	68.0	62.5	46.1	43.9	45.0	48.2
27°	72.4	66.8	62.5	58.1	43.9	41.6	43.9	46.1
28°	68.0	62.5	58.1	53.6	40.5	39.4	41.6	45.0
29°	62.5	58.1	53.6	50.4	38.3	37.3	40.5	42.7
30°	57.1	52.6	49.3	46.1	36.2	35.1	38.3	41.6
31°	52.6	49.3	46.1	42.7	34.0	34.0	37.3	40.5
32°	48.2	45.0	41.6	38.3	31.9	31.9	36.2	38.3
33°	43.9	40.5	37.3	35.1	29.5	30.8	34.0	37.3
34°	38.3	36.2	34.0	31.9	27.4	28.4	32.9	36.2
35°	35.1	32.9	30.8	28.4	26.3	27.4	31.9	35.1
36°	30.8	29.5	27.4	26.3	24.1	26.3	30.8	34.0
37°	27.4	26.3	24.1	23.0	23.0	25.2	29.5	32.9
38°	24.1	23.0	22.0	20.9	22.0	24.1	28.4	31.9
39°	20.9	19.8	19.8	18.7	20.9	23.0	27.4	30.8
40°	18.7	17.5	17.5	16.4	19.8	22.0	26.3	30.8
42.5°	13.1	13.1	13.1	13.1	16.4	19.8	24.1	28.4
45°	9.9	9.9	9.9	9.9	14.2	17.5	20.9	26.3
47.5°	7.7	7.7	7.7	7.7	13.1	16.4	19.8	23.0
50°	5.4	5.4	6.7	6.7	12.1	14.2	17.5	20.9
51°	5.4	5.4	5.4	6.7	11.0	14.2	16.4	19.8
52°	5.4	5.4	5.4	5.4	11.0	13.1	15.3	17.5
53°	4.3	5.4	5.4	5.4	9.9	13.1	14.2	16.4
54°	4.3	4.3	4.3	5.4	9.9	12.1	13.1	15.3
55°	4.3	4.3	4.3	5.4	8.8	12.1	13.1	13.1
57.5°	4.3	4.3	4.3	4.3	8.8	11.0	12.1	11.0
60°	4.3	4.3	4.3	4.3	7.7	9.9	11.0	7.7



TEST NUMBER: P1212534

CATALOG NUMBER: LDSQA6A35935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.3	4.3	4.3	4.3	7.7	8.8	8.8	6.7
64°	4.3	4.3	4.3	4.3	7.7	8.8	8.8	6.7
65°	4.3	4.3	4.3	4.3	7.7	7.7	7.7	5.4
66°	4.3	4.3	4.3	4.3	7.7	7.7	7.7	5.4
67.5°	4.3	4.3	4.3	4.3	7.7	7.7	6.7	5.4
70°	4.3	4.3	4.3	5.4	6.7	6.7	6.7	5.4
72.5°	4.3	4.3	4.3	5.4	6.7	6.7	5.4	4.3
75°	5.4	5.4	5.4	5.4	6.7	6.7	5.4	3.2
77.5°	5.4	5.4	5.4	5.4	6.7	5.4	4.3	3.2
80°	5.4	5.4	4.3	4.3	5.4	5.4	3.2	2.2
82.5°	5.4	5.4	4.3	4.3	5.4	4.3	3.2	2.2
85°	5.4	5.4	4.3	4.3	5.4	4.3	2.2	1.1
87.5°	5.4	4.3	4.3	4.3	5.4	4.3	1.1	1.1
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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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.2	3.2	3.2	3.2	4.3	3.2	4.3	5.4	6.7	6.7	6.7
62°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	6.7	6.7	5.4	5.4	4.3	3.2	3.2	3.2	3.2	3.2	3.2
62°	4.3	4.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
62°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.3	4.3	4.3	4.3	7.7	9.9	9.9	7.7
62°	4.3	4.3	4.3	4.3	7.7	8.8	9.9	6.7

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)