

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: P1219615

Luminaire Tested: **LDSQA6A35950D010TE 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: P1219615
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: LDSQA6A35950D010TE 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

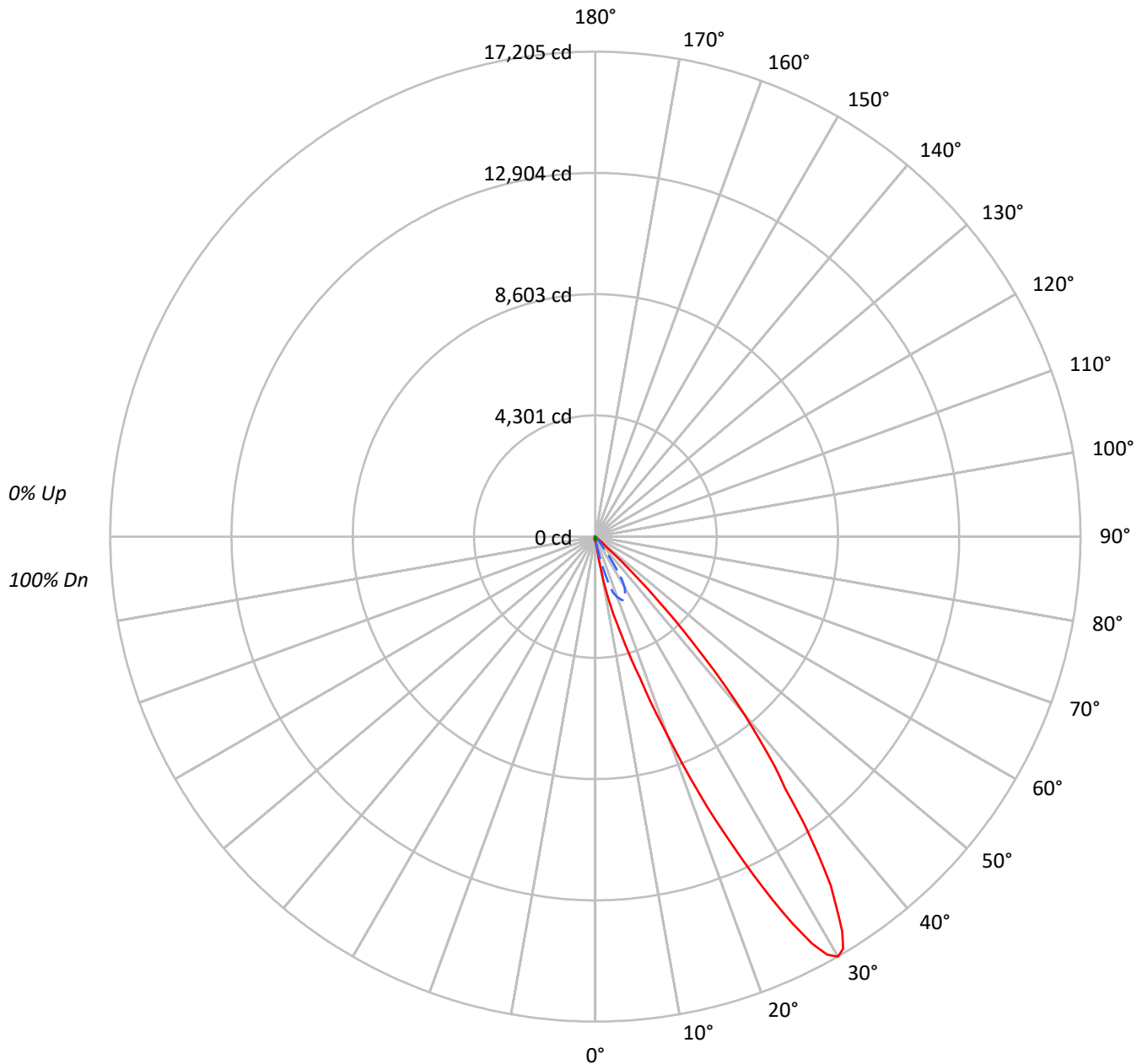
Lumens per Lamp: N/A
Luminaire Lumens: 2531.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

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
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	77	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°	7152	7152	7152
5°	11012	6764	5428
10°	59083	6016	4512
15°	162902	4863	3856
20°	345923	3638	3368
25°	626162	2646	2926
30°	855371	1944	2595
35°	725062	1367	2371
40°	460242	933	2259
45°	159513	719	2095
50°	9766	549	1835
55°	1689	450	1419
60°	405	405	921
65°	245	479	723
70°	302	592	755
75°	0	782	782
80°	0	1165	595
85°	0	2322	543



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CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.8
10°-20°	260.3	10.3
20°-30°	904.5	35.7
30°-40°	991.6	39.2
40°-50°	327.0	12.9
50°-60°	13.6	0.5
60°-70°	5.9	0.2
70°-80°	4.6	0.2
80°-90°	3.0	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°	1185.4	46.8
0°-40°	2177.0	86.0
0°-60°	2517.6	99.5
0°-90°	2531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	166	166	166	166	166	
5°	255	207	156	134	126	54
15°	3655	1490	109	88	86	1214
25°	13180	2443	56	54	62	6169
35°	13795	814	26	34	45	8291
45°	2620	40	12	24	34	2308
55°	22	5	6	15	19	32
65°	2	4	5	10	7	3
75°	0	4	5	6	5	1
85°	0	4	5	4	1	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°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	196.8	195.6	195.6	195.6	194.3	192.1	192.1	193.2	193.2	192.1	193.2
5°	254.8	252.5	251.3	250.1	245.4	244.1	239.4	242.9	239.4	235.9	235.9
7.5°	467.1	465.9	445.7	432.6	410.2	384.2	377.0	378.1	361.5	346.1	336.5
10°	1351.4	1353.7	1294.5	1318.1	1232.9	1198.5	1133.3	1109.6	1050.2	1000.4	940.0
11°	1807.8	1805.3	1730.7	1753.1	1666.6	1618.1	1544.6	1506.5	1431.9	1382.1	1306.2
12°	2300.9	2228.6	2203.8	2225.1	2136.2	2072.1	1983.2	1934.5	1842.0	1791.1	1699.8
13°	2789.3	2768.0	2685.0	2705.0	2613.8	2473.8	2437.1	2379.1	2271.3	2210.8	2108.8
14°	3212.4	3134.2	3108.0	3121.1	3031.2	2898.3	2861.6	2843.8	2677.9	2612.6	2498.7
15°	3654.6	3559.8	3523.1	3474.4	3421.1	3263.4	3210.1	3175.6	3003.8	2894.6	2821.3
17.5°	5262.0	5127.9	5038.0	4927.6	4810.3	4518.8	4397.8	4282.7	3981.7	3837.2	3619.0
20°	7549.8	7344.8	7113.6	6874.2	6644.1	6129.7	5830.9	5511.0	5099.5	4755.8	4495.1
21°	8657.1	8411.6	8133.1	7952.8	7520.2	6892.0	6488.9	6032.5	5503.9	5078.2	4749.8
22°	9817.5	9537.6	9305.3	9039.9	8440.1	7690.9	7184.7	6599.2	5915.1	5390.0	4975.3
23°	10944.9	10628.3	10349.8	10026.0	9332.6	8465.0	7863.9	7165.8	6341.9	5688.8	5175.6
24°	12021.3	11692.9	11372.8	10947.2	10153.0	9193.9	8487.4	7692.0	6748.6	5975.6	5364.0
25°	13180.5	12796.5	12382.8	11735.4	10928.2	9843.5	9030.3	8149.5	7110.1	6239.9	5522.8
26°	14335.0	13887.0	13267.1	12607.9	11643.1	10429.1	9502.1	8520.6	7418.2	6452.3	5640.1
27°	15418.5	14938.4	14210.6	13308.5	12284.3	10930.6	9890.9	8814.7	7632.7	6589.6	5694.6
28°	16345.6	15816.7	15006.0	13978.2	12761.9	11299.2	10148.3	8987.7	7735.8	6641.9	5701.7
29°	16956.1	16428.5	15554.9	14413.3	13032.3	11481.7	10250.1	9025.6	7730.0	6611.0	5653.2
30°	17205.0	16672.6	15780.0	14555.5	13083.2	11485.2	10208.7	8946.3	7626.9	6513.8	5557.2
31°	17059.1	16548.1	15642.6	14409.7	12903.2	11319.5	10034.4	8745.8	7421.8	6341.9	5413.6
32°	16520.9	16052.8	15182.6	14009.1	12532.1	10986.2	9734.6	8449.5	7132.5	6117.9	5234.6
33°	15700.7	15310.7	14421.5	13339.4	12036.5	10577.3	9369.4	8148.4	6784.1	5844.0	5043.9
34°	14914.7	14338.6	13550.3	12589.0	11401.2	10046.3	8916.5	7674.3	6414.2	5543.0	4825.8
35°	13794.6	13278.8	12551.0	11728.3	10661.5	9397.9	8268.2	7212.1	6000.5	5252.4	4597.1
36°	12612.6	12158.6	11630.0	10892.6	9872.0	8721.1	7687.4	6644.1	5575.0	4929.0	4355.2
37°	11168.9	11066.8	10574.9	9959.8	9048.1	7984.8	7012.9	6110.7	5176.6	4630.2	4089.6
38°	10316.6	9982.2	9531.8	8990.1	8096.2	7245.2	6362.0	5575.0	4815.2	4350.3	3787.5
39°	9232.0	8949.8	8534.9	8047.7	7278.3	6474.7	5756.4	5127.9	4516.4	4068.3	3461.3
40°	8188.6	7954.1	7573.6	7155.2	6456.9	5795.3	5233.6	4734.5	4220.0	3767.2	3138.9
42.5°	5163.5	5047.4	4891.0	4834.0	4584.0	4412.1	4206.9	3918.8	3466.2	2956.4	2517.8
45°	2619.7	2545.0	2542.7	2658.8	2738.3	2746.6	2727.7	2654.1	2360.2	2214.4	1824.3
47.5°	441.1	419.7	432.6	510.8	621.1	755.1	904.6	1088.2	1284.9	1243.5	957.7
50°	145.8	141.1	137.6	141.1	136.2	139.9	137.6	134.1	121.0	126.9	130.5
51°	90.1	96.0	92.5	95.0	93.6	97.1	97.1	96.0	87.8	81.8	74.7
52°	61.6	62.9	64.1	65.1	64.1	65.1	66.5	66.5	64.1	61.6	55.7
53°	43.8	43.8	45.1	45.1	45.1	46.3	46.3	46.3	45.1	45.1	43.8
54°	30.9	32.0	32.0	32.0	32.0	33.2	33.2	33.2	34.4	33.2	33.2
55°	22.5	22.5	22.5	22.5	22.5	22.5	23.8	23.8	24.9	24.9	23.8
57.5°	9.6	9.6	8.2	9.6	9.6	9.6	9.6	10.7	10.7	11.8	11.8
60°	4.7	4.7	4.7	4.7	3.5	4.7	4.7	4.7	4.7	6.0	6.0

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	2.4	2.4	2.4	2.4	2.4	2.4	1.1	2.4	2.4	2.4	2.4
64°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.1	1.1	1.1	1.1
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.1	1.1	1.1	1.1
66°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.1	1.1
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.1
70°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.4	1.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	189.6	192.1	188.6	190.7	186.1	186.1	182.5	183.9	182.5	180.2	180.2
5°	229.8	229.8	224.1	224.1	216.9	213.4	207.4	207.4	203.8	197.9	196.8
7.5°	315.2	303.5	290.4	285.7	271.4	261.9	251.3	246.6	235.9	226.3	219.2
10°	844.1	765.9	688.7	641.4	525.1	441.1	378.1	335.5	304.6	267.9	253.7
11°	1190.2	1090.6	989.8	891.5	777.6	662.7	590.2	476.6	404.1	322.4	283.2
12°	1564.8	1447.5	1325.2	1213.8	1077.5	932.8	833.5	688.7	586.7	450.4	355.7
13°	1948.8	1816.0	1670.2	1554.2	1399.8	1234.1	1077.5	943.5	816.7	638.9	500.2
14°	2318.7	2177.6	2017.6	1895.4	1722.4	1542.1	1365.6	1217.3	1063.3	851.2	680.5
15°	2648.2	2547.4	2344.7	2223.7	2037.7	1845.6	1648.8	1490.1	1307.4	1071.5	874.7
17.5°	3338.2	3152.0	2904.2	2784.6	2599.7	2433.6	2220.2	2076.8	1851.6	1602.6	1385.7
20°	4151.4	3877.4	3542.0	3289.5	2969.4	2677.9	2408.7	2296.2	2156.1	1986.7	1784.0
21°	4374.1	4078.9	3712.7	3455.5	3127.2	2827.1	2510.8	2331.8	2178.8	2031.8	1862.2
22°	4536.6	4224.7	3839.5	3571.6	3233.7	2936.2	2612.6	2398.0	2194.2	2028.3	1875.3
23°	4674.0	4342.1	3941.5	3649.9	3296.6	2989.6	2664.8	2451.4	2226.2	2019.9	1854.0
24°	4798.5	4434.6	4013.8	3700.7	3328.6	3008.5	2671.9	2461.0	2241.5	2024.8	1825.6
25°	4892.1	4492.6	4055.3	3726.9	3335.7	3002.7	2655.2	2443.2	2223.7	2009.2	1793.6
26°	4956.1	4519.9	4067.1	3725.7	3321.4	2978.9	2621.0	2406.5	2181.1	1953.6	1741.4
27°	4976.3	4512.9	4050.5	3698.6	3285.9	2932.7	2562.8	2336.5	2114.8	1887.2	1671.5
28°	4956.1	4484.4	4012.6	3645.2	3226.6	2856.9	2469.2	2244.0	2043.7	1813.6	1586.1
29°	4900.5	4433.4	3942.6	3565.6	3133.0	2733.5	2349.6	2155.1	1961.9	1702.2	1442.6
30°	4813.8	4341.0	3841.9	3449.6	2994.3	2578.3	2241.5	2073.2	1826.7	1522.1	1242.3
31°	4692.9	4221.2	3711.4	3295.4	2809.4	2426.5	2147.9	1920.3	1615.7	1283.8	998.2
32°	4545.9	4078.9	3521.8	3090.3	2626.8	2306.8	1982.0	1686.9	1349.0	1001.7	727.8
33°	4388.4	3896.4	3304.8	2874.7	2470.3	2146.8	1742.4	1398.8	1050.2	704.1	458.8
34°	4205.9	3672.3	3061.9	2657.7	2294.9	1906.1	1458.1	1087.1	749.2	428.0	235.9
35°	3985.3	3396.2	2820.0	2470.3	2043.7	1587.2	1146.2	814.3	469.5	215.7	128.0
36°	3718.5	3111.7	2610.3	2229.8	1749.6	1274.3	827.4	519.3	252.5	126.9	100.7
37°	3379.5	2878.2	2389.8	1942.9	1431.9	956.6	533.5	282.2	144.7	103.2	85.4
38°	3086.7	2662.4	2153.9	1630.0	1103.5	655.6	323.6	158.9	113.8	86.5	71.1
39°	2834.2	2431.2	1844.4	1300.5	787.2	397.1	177.8	121.0	95.0	71.1	60.4
40°	2613.8	2101.7	1517.3	975.5	506.2	220.5	128.0	100.7	77.2	59.4	48.7
42.5°	1918.1	1333.6	702.9	315.2	148.3	110.2	80.7	64.1	49.8	36.7	30.9
45°	1139.1	599.8	212.1	129.2	93.6	70.0	51.0	40.2	30.9	22.5	18.9
47.5°	416.1	151.8	104.3	78.2	59.4	43.8	32.0	24.9	18.9	13.1	10.7
50°	85.4	73.5	56.9	46.3	34.4	26.0	18.9	14.2	10.7	8.2	7.1
51°	65.1	56.9	46.3	36.7	27.4	21.3	15.4	11.8	9.6	7.1	6.0
52°	49.8	43.8	35.6	29.5	22.5	16.6	11.8	9.6	7.1	4.7	4.7
53°	39.1	34.4	27.4	22.5	17.8	13.1	9.6	7.1	6.0	4.7	4.7
54°	29.5	26.0	21.3	17.8	14.2	10.7	7.1	6.0	4.7	4.7	3.5
55°	21.3	20.2	16.6	13.1	10.7	8.2	6.0	4.7	4.7	3.5	3.5
57.5°	10.7	9.6	8.2	7.1	6.0	4.7	3.5	3.5	3.5	3.5	2.4
60°	6.0	4.7	4.7	4.7	3.5	3.5	3.5	2.4	2.4	3.5	3.5



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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°	2.4	2.4	2.4	2.4	3.5	2.4	2.4	2.4	3.5	3.5	3.5
64°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
65°	1.1	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
66°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
70°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
75°	1.1	1.1	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
77.5°	1.1	1.1	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
80°	1.1	1.1	1.1	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
82.5°	1.1	1.1	1.1	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
85°	1.1	1.1	1.1	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
87.5°	1.1	1.1	1.1	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
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

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219615

CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	176.7	179.0	176.7	174.3	173.2	173.2	171.8	168.3	169.6	168.3	168.3
5°	190.7	192.1	187.2	183.9	181.4	179.0	176.7	171.8	170.8	169.6	168.3
7.5°	209.9	208.5	199.2	193.2	187.2	182.5	177.8	171.8	169.6	166.1	163.6
10°	237.0	228.8	213.4	202.7	194.3	184.9	177.8	168.3	163.6	158.9	155.4
11°	249.0	237.0	221.6	207.4	196.8	186.1	177.8	166.1	160.1	155.4	150.5
12°	285.7	253.7	228.8	213.4	199.2	187.2	176.7	164.7	157.7	150.5	145.8
13°	369.9	295.3	244.1	216.9	202.7	188.6	175.4	162.4	154.0	145.8	141.1
14°	507.3	379.3	282.2	229.8	203.8	188.6	174.3	160.1	150.5	142.3	136.2
15°	672.0	509.7	359.2	261.9	208.5	187.2	171.8	156.5	145.8	136.2	130.5
17.5°	1132.0	919.9	689.8	490.9	303.5	205.0	162.4	144.7	131.6	121.0	113.8
20°	1517.3	1273.2	1013.5	765.9	525.1	327.2	187.2	131.6	116.3	104.3	97.1
21°	1601.5	1372.7	1097.7	838.1	589.2	379.3	212.1	131.6	110.2	98.5	91.3
22°	1645.3	1424.8	1149.8	885.5	632.9	416.1	238.3	132.7	104.3	92.5	84.2
23°	1638.2	1436.8	1170.0	899.7	653.1	433.9	249.0	134.1	98.5	86.5	78.2
24°	1595.5	1404.7	1149.8	883.2	647.2	429.1	245.4	131.6	92.5	80.7	73.5
25°	1542.1	1341.8	1095.3	838.1	609.3	399.5	227.7	123.3	87.8	75.8	68.7
26°	1481.7	1279.1	1019.5	758.7	547.8	349.6	192.1	109.1	80.7	70.0	64.1
27°	1409.4	1197.4	925.9	674.4	462.4	282.2	154.0	92.5	74.7	64.1	59.4
28°	1301.6	1081.1	806.1	563.1	369.9	213.4	116.3	79.4	68.7	59.4	54.5
29°	1140.5	917.5	656.7	439.7	271.4	147.0	88.9	71.1	61.6	53.4	49.8
30°	938.8	725.4	487.2	302.3	174.3	99.6	72.3	62.9	54.5	48.7	46.3
31°	711.2	515.7	315.2	174.3	104.3	73.5	64.1	54.5	48.7	43.8	42.6
32°	469.5	311.7	167.1	100.7	75.8	64.1	55.7	48.7	43.8	40.2	39.1
33°	251.3	143.4	96.0	75.8	64.1	55.7	48.7	42.6	39.1	36.7	35.6
34°	128.0	93.6	78.2	65.1	54.5	48.7	42.6	38.0	35.6	33.2	32.0
35°	95.0	80.7	67.6	55.7	47.3	42.6	38.0	34.4	32.0	29.5	29.5
36°	80.7	67.6	55.7	48.7	42.6	38.0	34.4	29.5	28.5	27.4	26.0
37°	67.6	58.0	48.7	41.6	36.7	33.2	29.5	27.4	24.9	23.8	23.8
38°	56.9	49.8	41.6	35.6	32.0	29.5	26.0	23.8	22.5	21.3	21.3
39°	47.3	41.6	35.6	30.9	27.4	24.9	22.5	21.3	20.2	18.9	18.9
40°	39.1	35.6	29.5	26.0	23.8	21.3	20.2	18.9	17.8	16.6	17.8
42.5°	24.9	21.3	18.9	17.8	15.4	15.4	14.2	13.1	13.1	13.1	13.1
45°	14.2	13.1	11.8	11.8	10.7	10.7	10.7	9.6	10.7	10.7	10.7
47.5°	8.2	8.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	8.2	8.2
50°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0	6.0
51°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0
52°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
53°	3.5	4.7	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
54°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7



TEST NUMBER: P1219615

CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.5	3.5	3.5	3.5	3.5	4.7	3.5	3.5	3.5	4.7	4.7
64°	3.5	3.5	3.5	3.5	3.5	4.7	3.5	3.5	3.5	3.5	4.7
65°	3.5	3.5	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	4.7
66°	3.5	3.5	4.7	4.7	4.7	4.7	4.7	3.5	3.5	4.7	4.7
67.5°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	3.5	4.7	4.7	4.7
70°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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: P1219615

CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	164.7	163.6	162.4	162.4	153.0	148.3	142.3	142.3
5°	162.4	161.2	158.9	156.5	141.1	134.1	126.9	125.6
7.5°	157.7	154.0	150.5	148.3	129.2	121.0	113.8	112.7
10°	148.3	143.4	139.9	137.6	117.4	109.1	103.2	103.2
11°	143.4	138.7	135.2	131.6	111.4	104.3	99.6	99.6
12°	138.7	134.1	129.2	126.9	106.7	100.7	96.0	95.0
13°	134.1	128.0	124.5	121.0	102.0	96.0	92.5	92.5
14°	129.2	123.3	118.5	114.9	97.1	91.3	88.9	88.9
15°	122.1	116.3	112.7	109.1	91.3	87.8	85.4	86.5
17.5°	105.6	100.7	97.1	93.6	79.4	78.2	78.2	79.4
20°	90.1	85.4	81.8	79.4	68.7	70.0	71.1	73.5
21°	84.2	79.4	75.8	73.5	65.1	66.5	68.7	71.1
22°	78.2	74.7	71.1	68.7	61.6	62.9	66.5	68.7
23°	72.3	68.7	66.5	64.1	58.0	60.4	64.1	66.5
24°	67.6	64.1	61.6	59.4	54.5	56.9	61.6	64.1
25°	62.9	59.4	56.9	55.7	51.0	54.5	59.4	61.6
26°	58.0	55.7	53.4	52.2	48.7	52.2	56.9	60.4
27°	53.4	51.0	49.8	48.7	45.1	49.8	54.5	58.0
28°	49.8	47.3	46.3	45.1	42.6	47.3	53.4	55.7
29°	46.3	43.8	42.6	41.6	40.2	45.1	51.0	54.5
30°	42.6	41.6	39.1	39.1	38.0	43.8	48.7	52.2
31°	39.1	38.0	36.7	35.6	35.6	41.6	47.3	51.0
32°	36.7	35.6	34.4	33.2	34.4	39.1	45.1	49.8
33°	33.2	32.0	32.0	30.9	32.0	38.0	43.8	48.7
34°	29.5	29.5	28.5	28.5	30.9	36.7	42.6	46.3
35°	27.4	26.0	26.0	26.0	29.5	34.4	41.6	45.1
36°	24.9	24.9	23.8	23.8	28.5	33.2	40.2	43.8
37°	22.5	22.5	22.5	21.3	26.0	32.0	38.0	42.6
38°	20.2	20.2	20.2	20.2	24.9	30.9	38.0	42.6
39°	17.8	17.8	18.9	18.9	23.8	29.5	35.6	41.6
40°	16.6	16.6	16.6	16.6	22.5	28.5	34.4	40.2
42.5°	13.1	13.1	14.2	14.2	20.2	26.0	32.0	36.7
45°	10.7	10.7	11.8	11.8	17.8	23.8	28.5	34.4
47.5°	8.2	8.2	9.6	9.6	15.4	21.3	26.0	30.9
50°	6.0	7.1	7.1	8.2	14.2	18.9	22.5	27.4
51°	6.0	6.0	7.1	7.1	13.1	17.8	21.3	26.0
52°	6.0	6.0	7.1	7.1	11.8	16.6	20.2	23.8
53°	4.7	6.0	6.0	7.1	11.8	16.6	18.9	22.5
54°	4.7	4.7	6.0	6.0	11.8	15.4	18.9	20.2
55°	4.7	4.7	6.0	6.0	10.7	15.4	17.8	18.9
57.5°	4.7	4.7	4.7	4.7	9.6	13.1	15.4	15.4
60°	4.7	4.7	4.7	4.7	9.6	11.8	14.2	10.7



TEST NUMBER: P1219615

CATALOG NUMBER: LDSQA6A35950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.7	4.7	4.7	4.7	8.2	10.7	10.7	8.2
64°	4.7	4.7	4.7	4.7	8.2	10.7	10.7	8.2
65°	4.7	4.7	4.7	4.7	8.2	9.6	9.6	7.1
66°	4.7	4.7	4.7	4.7	8.2	9.6	9.6	7.1
67.5°	4.7	4.7	4.7	4.7	7.1	8.2	8.2	7.1
70°	4.7	4.7	4.7	4.7	7.1	8.2	7.1	6.0
72.5°	4.7	4.7	4.7	4.7	7.1	7.1	6.0	4.7
75°	4.7	4.7	4.7	4.7	6.0	6.0	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	6.0	6.0	4.7	3.5
80°	4.7	4.7	4.7	4.7	6.0	4.7	3.5	2.4
82.5°	4.7	4.7	4.7	4.7	4.7	3.5	2.4	2.4
85°	4.7	4.7	4.7	4.7	4.7	3.5	2.4	1.1
87.5°	4.7	4.7	4.7	4.7	4.7	3.5	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



— 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°	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
62°	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.7	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	3.5	3.5
62°	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



61°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7
62°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.7	4.7	4.7	4.7	8.2	11.8	13.1	9.6
62°	4.7	4.7	4.7	4.7	8.2	10.7	11.8	8.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)