

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: P1219603

Luminaire Tested: **LDSQA6A25950D010TE 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: P1219603
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: LDSQA6A25950D010TE 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

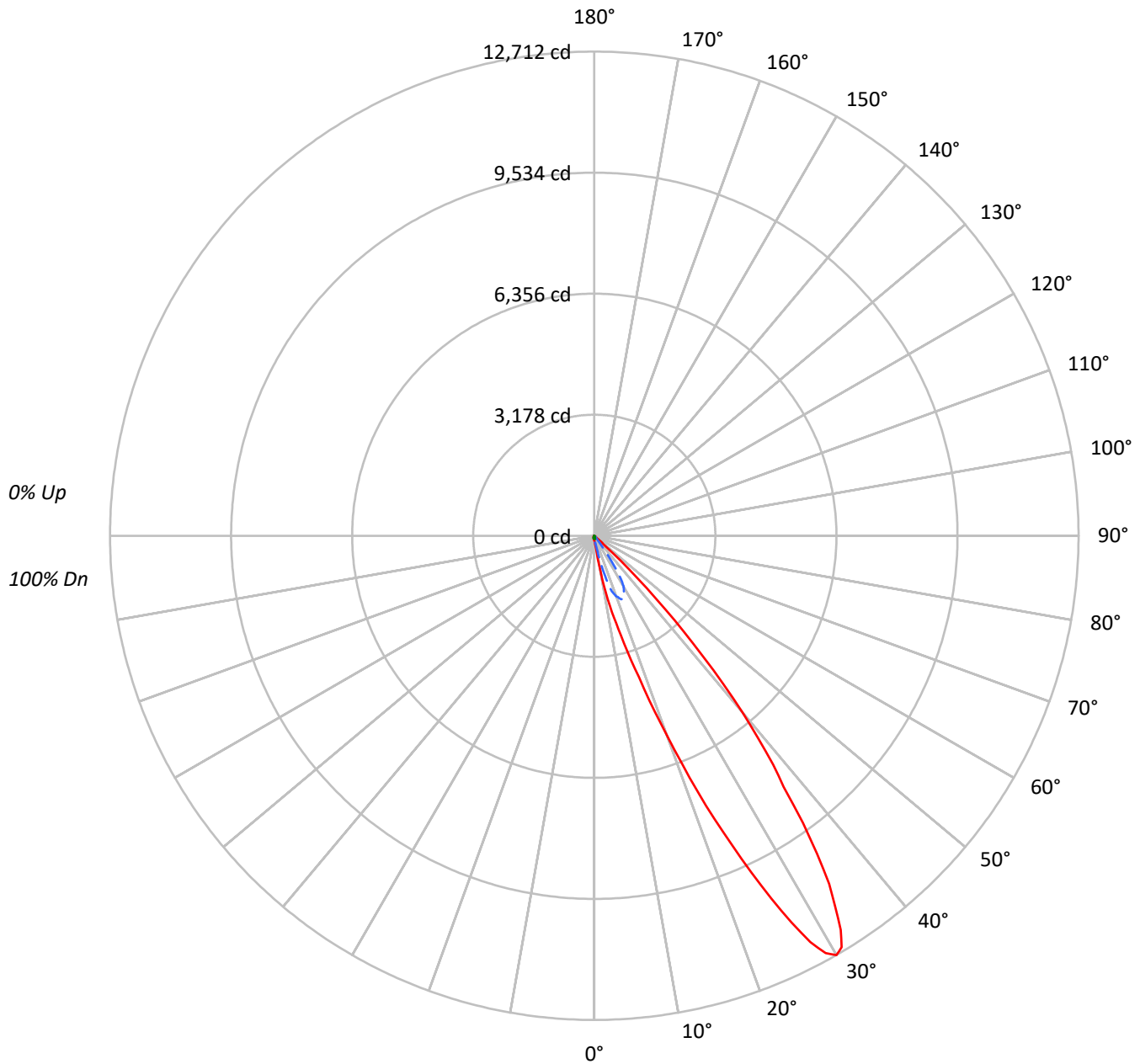
Lumens per Lamp: N/A
Luminaire Lumens: 1870.1 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.2
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: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE 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	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	73	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°	5283	5283	5283
5°	8134	4996	4011
10°	43654	4446	3331
15°	120365	3593	2848
20°	255601	2690	2493
25°	462667	1957	2166
30°	632020	1437	1919
35°	535736	1009	1756
40°	340069	691	1669
45°	117858	530	1553
50°	7214	409	1353
55°	1246	338	1043
60°	293	293	680
65°	183	346	540
70°	227	428	566
75°	0	566	566
80°	0	843	446
85°	0	1680	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.8
10°-20°	192.3	10.3
20°-30°	668.3	35.7
30°-40°	732.7	39.2
40°-50°	241.6	12.9
50°-60°	10.0	0.5
60°-70°	4.3	0.2
70°-80°	3.4	0.2
80°-90°	2.2	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°	875.9	46.8
0°-40°	1608.6	86.0
0°-60°	1860.2	99.5
0°-90°	1870.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1870.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	123	123	123	123	123	
5°	188	153	116	99	93	40
15°	2700	1101	81	65	64	897
25°	9739	1805	41	40	46	4558
35°	10193	602	19	26	33	6126
45°	1936	30	9	18	26	1705
55°	17	3	4	11	14	24
65°	2	3	3	7	5	2
75°	0	3	3	4	3	1
85°	0	3	3	3	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°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	145.4	144.6	144.6	144.6	143.6	142.0	142.0	142.8	142.8	142.0	142.8
5°	188.2	186.6	185.6	184.8	181.4	180.3	176.9	179.5	176.9	174.3	174.3
7.5°	345.1	344.2	329.4	319.7	303.1	283.8	278.6	279.4	267.1	255.7	248.7
10°	998.5	1000.2	956.5	974.0	910.9	885.6	837.4	819.8	775.9	739.2	694.5
11°	1335.8	1334.0	1278.8	1295.3	1231.5	1195.7	1141.3	1113.2	1058.0	1021.2	965.2
12°	1700.1	1646.7	1628.3	1644.0	1578.4	1531.1	1465.4	1429.4	1361.0	1323.4	1255.9
13°	2061.0	2045.2	1983.9	1998.7	1931.4	1827.9	1800.8	1757.9	1678.2	1633.5	1558.1
14°	2373.6	2315.9	2296.5	2306.2	2239.6	2141.5	2114.3	2101.2	1978.7	1930.3	1846.3
15°	2700.3	2630.3	2603.2	2567.2	2527.8	2411.3	2371.9	2346.4	2219.5	2138.9	2084.6
17.5°	3888.0	3789.0	3722.5	3641.0	3554.3	3338.9	3249.6	3164.5	2942.1	2835.2	2674.0
20°	5578.5	5427.0	5256.2	5079.3	4909.2	4529.2	4308.4	4072.0	3768.0	3514.1	3321.3
21°	6396.6	6215.2	6009.4	5876.2	5556.6	5092.4	4794.6	4457.3	4066.7	3752.2	3509.6
22°	7254.1	7047.2	6875.6	6679.5	6236.3	5682.8	5308.7	4876.0	4370.6	3982.7	3676.1
23°	8087.0	7853.1	7647.3	7408.1	6895.8	6254.7	5810.6	5294.7	4686.0	4203.4	3824.2
24°	8882.3	8639.7	8403.2	8088.8	7501.9	6793.3	6271.3	5683.6	4986.5	4415.3	3963.4
25°	9739.0	9455.2	9149.5	8671.1	8074.7	7273.2	6672.4	6021.6	5253.6	4610.6	4080.8
26°	10592.0	10261.0	9802.8	9315.9	8603.0	7706.0	7020.9	6295.7	5481.2	4767.5	4167.5
27°	11392.6	11037.8	10500.0	9833.4	9076.7	8076.5	7308.3	6513.1	5639.7	4869.0	4207.7
28°	12077.5	11686.8	11087.8	10328.3	9429.7	8348.8	7498.5	6640.9	5715.9	4907.6	4212.9
29°	12528.6	12138.8	11493.2	10649.8	9629.5	8483.7	7573.7	6669.0	5711.7	4884.8	4177.2
30°	12712.5	12319.2	11659.6	10755.0	9667.0	8486.3	7543.1	6610.3	5635.4	4813.0	4106.1
31°	12604.8	12227.2	11558.1	10647.2	9534.0	8363.8	7414.4	6462.1	5483.8	4686.0	4000.0
32°	12207.1	11861.2	11218.3	10351.2	9259.8	8117.6	7192.7	6243.2	5270.1	4520.5	3867.9
33°	11601.0	11312.9	10655.9	9856.3	8893.7	7815.5	6922.9	6020.8	5012.7	4318.1	3726.9
34°	11020.4	10594.6	10012.2	9301.9	8424.2	7423.1	6588.3	5670.4	4739.4	4095.6	3565.7
35°	10192.6	9811.6	9273.8	8665.9	7877.6	6944.0	6109.3	5329.0	4433.7	3881.0	3396.7
36°	9319.3	8983.9	8593.3	8048.5	7294.4	6443.9	5680.1	4909.2	4119.3	3642.0	3218.0
37°	8252.6	8177.2	7813.7	7359.1	6685.5	5899.9	5181.7	4515.2	3824.9	3421.2	3021.7
38°	7622.8	7375.8	7043.0	6642.7	5982.2	5353.4	4700.8	4119.3	3557.8	3214.4	2798.5
39°	6821.4	6612.9	6306.2	5946.4	5377.8	4784.1	4253.4	3789.0	3337.2	3006.0	2557.6
40°	6050.5	5877.2	5596.0	5286.8	4770.9	4282.1	3867.0	3498.2	3118.1	2783.6	2319.3
42.5°	3815.2	3729.5	3613.9	3571.9	3387.1	3260.1	3108.5	2895.6	2561.1	2184.5	1860.4
45°	1935.6	1880.4	1878.8	1964.6	2023.3	2029.5	2015.4	1961.1	1744.0	1636.2	1347.9
47.5°	325.8	310.1	319.7	377.5	459.0	558.0	668.4	804.0	949.4	918.8	707.6
50°	107.7	104.3	101.7	104.3	100.7	103.4	101.7	99.0	89.3	93.8	96.4
51°	66.6	70.9	68.3	70.1	69.2	71.8	71.8	70.9	64.9	60.4	55.2
52°	45.6	46.5	47.3	48.2	47.3	48.2	49.1	49.1	47.3	45.6	41.2
53°	32.3	32.3	33.4	33.4	33.4	34.2	34.2	34.2	33.4	33.4	32.3
54°	22.8	23.6	23.6	23.6	23.6	24.4	24.4	24.4	25.5	24.4	24.4
55°	16.6	16.6	16.6	16.6	16.6	16.6	17.6	17.6	18.4	18.4	17.6
57.5°	7.1	7.1	6.1	7.1	7.1	7.1	7.1	7.9	7.9	8.7	8.7
60°	3.4	3.4	3.4	3.4	2.6	3.4	3.4	3.4	3.4	4.5	4.5



TEST NUMBER: P1219603

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.8	1.8	1.8	1.8	1.8	1.8	0.8	1.8	1.8	1.8	1.8
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.8	0.8	0.8	0.8
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.8	0.8	0.8	0.8
66°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.8	0.8
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	0.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	140.1	142.0	139.3	140.9	137.5	137.5	134.9	135.8	134.9	133.2	133.2
5°	169.8	169.8	165.6	165.6	160.3	157.7	153.3	153.3	150.6	146.2	145.4
7.5°	233.0	224.2	214.6	211.1	200.6	193.5	185.6	182.2	174.3	167.2	161.9
10°	623.7	565.9	508.9	473.9	388.0	325.8	279.4	247.8	225.1	197.9	187.4
11°	879.4	805.9	731.3	658.6	574.6	489.6	436.1	352.1	298.6	238.2	209.2
12°	1156.2	1069.5	979.2	896.9	796.1	689.2	615.8	508.9	433.5	332.8	262.8
13°	1439.9	1341.8	1234.1	1148.4	1034.4	911.8	796.1	697.1	603.5	472.1	369.6
14°	1713.2	1609.0	1490.8	1400.5	1272.6	1139.5	1009.0	899.5	785.6	629.0	502.8
15°	1956.7	1882.3	1732.4	1643.1	1505.6	1363.6	1218.4	1101.0	966.1	791.8	646.4
17.5°	2466.6	2329.1	2145.9	2057.5	1920.9	1798.2	1640.5	1534.5	1368.1	1184.1	1023.9
20°	3067.4	2865.0	2617.2	2430.6	2194.0	1978.7	1779.8	1696.7	1593.2	1468.0	1318.2
21°	3232.0	3013.8	2743.3	2553.2	2310.7	2088.9	1855.2	1722.9	1609.9	1501.3	1376.0
22°	3352.0	3121.6	2836.9	2639.0	2389.3	2169.5	1930.3	1771.8	1621.3	1498.7	1385.7
23°	3453.5	3208.3	2912.3	2696.8	2435.8	2209.0	1969.0	1811.3	1644.9	1492.5	1369.9
24°	3545.6	3276.6	2965.8	2734.5	2459.5	2222.9	1974.2	1818.3	1656.2	1496.0	1348.9
25°	3614.7	3319.6	2996.4	2753.8	2464.7	2218.6	1962.0	1805.2	1643.1	1484.6	1325.3
26°	3662.0	3339.8	3005.2	2752.9	2454.2	2201.1	1936.6	1778.1	1611.6	1443.5	1286.7
27°	3676.9	3334.4	2992.8	2732.8	2427.9	2166.9	1893.6	1726.4	1562.6	1394.4	1235.1
28°	3662.0	3313.4	2964.9	2693.4	2384.1	2110.9	1824.5	1658.1	1510.1	1340.0	1172.0
29°	3621.0	3275.8	2913.1	2634.6	2314.9	2019.8	1736.1	1592.3	1449.6	1257.8	1065.9
30°	3556.9	3207.5	2838.8	2548.8	2212.4	1905.1	1656.2	1531.9	1349.7	1124.7	917.9
31°	3467.6	3119.0	2742.4	2435.0	2075.7	1792.9	1587.0	1418.9	1193.8	948.6	737.6
32°	3359.0	3013.8	2602.2	2283.4	1941.0	1704.6	1464.5	1246.4	996.7	740.2	537.8
33°	3242.5	2879.0	2441.9	2124.0	1825.3	1586.2	1287.5	1033.6	775.9	520.2	339.0
34°	3107.6	2713.5	2262.3	1963.7	1695.6	1408.4	1077.3	803.2	553.6	316.2	174.3
35°	2944.7	2509.4	2083.6	1825.3	1510.1	1172.8	847.0	601.7	346.9	159.3	94.6
36°	2747.6	2299.1	1928.8	1647.6	1292.7	941.5	611.4	383.7	186.6	93.8	74.5
37°	2497.0	2126.7	1765.8	1435.6	1058.0	706.8	394.2	208.4	106.9	76.2	63.0
38°	2280.7	1967.2	1591.5	1204.3	815.4	484.4	239.2	117.4	84.1	63.9	52.5
39°	2094.1	1796.4	1362.8	961.0	581.7	293.4	131.5	89.3	70.1	52.5	44.7
40°	1931.4	1552.9	1121.1	720.8	374.0	163.0	94.6	74.5	57.0	43.9	36.0
42.5°	1417.2	985.4	519.4	233.0	109.5	81.4	59.6	47.3	36.8	27.1	22.8
45°	841.7	443.1	156.7	95.5	69.2	51.7	37.6	29.7	22.8	16.6	13.9
47.5°	307.5	112.2	77.1	57.8	43.9	32.3	23.6	18.4	13.9	9.7	7.9
50°	63.0	54.4	42.0	34.2	25.5	19.2	13.9	10.5	7.9	6.1	5.3
51°	48.2	42.0	34.2	27.1	20.2	15.8	11.3	8.7	7.1	5.3	4.5
52°	36.8	32.3	26.3	21.8	16.6	12.3	8.7	7.1	5.3	3.4	3.4
53°	28.9	25.5	20.2	16.6	13.1	9.7	7.1	5.3	4.5	3.4	3.4
54°	21.8	19.2	15.8	13.1	10.5	7.9	5.3	4.5	3.4	3.4	2.6
55°	15.8	15.0	12.3	9.7	7.9	6.1	4.5	3.4	3.4	2.6	2.6
57.5°	7.9	7.1	6.1	5.3	4.5	3.4	2.6	2.6	2.6	2.6	1.8
60°	4.5	3.4	3.4	3.4	2.6	2.6	2.6	1.8	1.8	2.6	2.6



TEST NUMBER: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.8	1.8	1.8	1.8	2.6	1.8	1.8	1.8	2.6	2.6	2.6
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
65°	0.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
66°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
75°	0.8	0.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
77.5°	0.8	0.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
80°	0.8	0.8	0.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
82.5°	0.8	0.8	0.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
85°	0.8	0.8	0.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
87.5°	0.8	0.8	0.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6
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: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	130.6	132.2	130.6	128.8	127.9	127.9	127.0	124.4	125.3	124.4	124.4
5°	140.9	142.0	138.3	135.8	134.1	132.2	130.6	127.0	126.2	125.3	124.4
7.5°	155.1	154.1	147.2	142.8	138.3	134.9	131.5	127.0	125.3	122.7	120.8
10°	175.1	169.0	157.7	149.8	143.6	136.7	131.5	124.4	120.8	117.4	114.8
11°	184.0	175.1	163.8	153.3	145.4	137.5	131.5	122.7	118.2	114.8	111.2
12°	211.1	187.4	169.0	157.7	147.2	138.3	130.6	121.7	116.5	111.2	107.7
13°	273.3	218.1	180.3	160.3	149.8	139.3	129.6	120.0	113.9	107.7	104.3
14°	374.8	280.3	208.4	169.8	150.6	139.3	128.8	118.2	111.2	105.1	100.7
15°	496.6	376.7	265.4	193.5	154.1	138.3	127.0	115.6	107.7	100.7	96.4
17.5°	836.5	679.7	509.7	362.6	224.2	151.4	120.0	106.9	97.2	89.3	84.1
20°	1121.1	940.7	748.9	565.9	388.0	241.8	138.3	97.2	85.9	77.1	71.8
21°	1183.3	1014.3	811.1	619.2	435.3	280.3	156.7	97.2	81.4	72.8	67.5
22°	1215.7	1052.8	849.6	654.3	467.7	307.5	176.1	98.1	77.1	68.3	62.2
23°	1210.5	1061.6	864.4	664.8	482.6	320.6	184.0	99.0	72.8	63.9	57.8
24°	1178.9	1037.9	849.6	652.6	478.2	317.0	181.4	97.2	68.3	59.6	54.4
25°	1139.5	991.4	809.3	619.2	450.2	295.2	168.2	91.1	64.9	56.1	50.8
26°	1094.8	945.2	753.3	560.6	404.8	258.3	142.0	80.6	59.6	51.7	47.3
27°	1041.5	884.7	684.1	498.4	341.6	208.4	113.9	68.3	55.2	47.3	43.9
28°	961.7	798.8	595.6	416.1	273.3	157.7	85.9	58.7	50.8	43.9	40.2
29°	842.6	677.9	485.3	324.9	200.6	108.6	65.7	52.5	45.6	39.4	36.8
30°	693.7	536.0	360.0	223.4	128.8	73.6	53.4	46.5	40.2	36.0	34.2
31°	525.5	381.1	233.0	128.8	77.1	54.4	47.3	40.2	36.0	32.3	31.5
32°	346.9	230.3	123.6	74.5	56.1	47.3	41.2	36.0	32.3	29.7	28.9
33°	185.6	106.0	70.9	56.1	47.3	41.2	36.0	31.5	28.9	27.1	26.3
34°	94.6	69.2	57.8	48.2	40.2	36.0	31.5	28.1	26.3	24.4	23.6
35°	70.1	59.6	49.9	41.2	34.9	31.5	28.1	25.5	23.6	21.8	21.8
36°	59.6	49.9	41.2	36.0	31.5	28.1	25.5	21.8	21.0	20.2	19.2
37°	49.9	42.8	36.0	30.7	27.1	24.4	21.8	20.2	18.4	17.6	17.6
38°	42.0	36.8	30.7	26.3	23.6	21.8	19.2	17.6	16.6	15.8	15.8
39°	34.9	30.7	26.3	22.8	20.2	18.4	16.6	15.8	15.0	13.9	13.9
40°	28.9	26.3	21.8	19.2	17.6	15.8	15.0	13.9	13.1	12.3	13.1
42.5°	18.4	15.8	13.9	13.1	11.3	11.3	10.5	9.7	9.7	9.7	9.7
45°	10.5	9.7	8.7	8.7	7.9	7.9	7.9	7.1	7.9	7.9	7.9
47.5°	6.1	6.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.1	6.1
50°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
51°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
52°	3.4	3.4	3.4	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
53°	2.6	3.4	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
54°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4
57.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4
60°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4

TEST NUMBER: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.6	2.6	2.6	2.6	2.6	3.4	2.6	2.6	2.6	3.4	3.4
64°	2.6	2.6	2.6	2.6	2.6	3.4	2.6	2.6	2.6	2.6	3.4
65°	2.6	2.6	3.4	3.4	3.4	3.4	2.6	2.6	2.6	2.6	3.4
66°	2.6	2.6	3.4	3.4	3.4	3.4	3.4	2.6	2.6	3.4	3.4
67.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	2.6	3.4	3.4	3.4
70°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	121.7	120.8	120.0	120.0	113.0	109.5	105.1	105.1
5°	120.0	119.1	117.4	115.6	104.3	99.0	93.8	92.8
7.5°	116.5	113.9	111.2	109.5	95.5	89.3	84.1	83.3
10°	109.5	106.0	103.4	101.7	86.7	80.6	76.2	76.2
11°	106.0	102.5	99.8	97.2	82.3	77.1	73.6	73.6
12°	102.5	99.0	95.5	93.8	78.8	74.5	70.9	70.1
13°	99.0	94.6	91.9	89.3	75.4	70.9	68.3	68.3
14°	95.5	91.1	87.6	85.0	71.8	67.5	65.7	65.7
15°	90.2	85.9	83.3	80.6	67.5	64.9	63.0	63.9
17.5°	78.0	74.5	71.8	69.2	58.7	57.8	57.8	58.7
20°	66.6	63.0	60.4	58.7	50.8	51.7	52.5	54.4
21°	62.2	58.7	56.1	54.4	48.2	49.1	50.8	52.5
22°	57.8	55.2	52.5	50.8	45.6	46.5	49.1	50.8
23°	53.4	50.8	49.1	47.3	42.8	44.7	47.3	49.1
24°	49.9	47.3	45.6	43.9	40.2	42.0	45.6	47.3
25°	46.5	43.9	42.0	41.2	37.6	40.2	43.9	45.6
26°	42.8	41.2	39.4	38.6	36.0	38.6	42.0	44.7
27°	39.4	37.6	36.8	36.0	33.4	36.8	40.2	42.8
28°	36.8	34.9	34.2	33.4	31.5	34.9	39.4	41.2
29°	34.2	32.3	31.5	30.7	29.7	33.4	37.6	40.2
30°	31.5	30.7	28.9	28.9	28.1	32.3	36.0	38.6
31°	28.9	28.1	27.1	26.3	26.3	30.7	34.9	37.6
32°	27.1	26.3	25.5	24.4	25.5	28.9	33.4	36.8
33°	24.4	23.6	23.6	22.8	23.6	28.1	32.3	36.0
34°	21.8	21.8	21.0	21.0	22.8	27.1	31.5	34.2
35°	20.2	19.2	19.2	19.2	21.8	25.5	30.7	33.4
36°	18.4	18.4	17.6	17.6	21.0	24.4	29.7	32.3
37°	16.6	16.6	16.6	15.8	19.2	23.6	28.1	31.5
38°	15.0	15.0	15.0	15.0	18.4	22.8	28.1	31.5
39°	13.1	13.1	13.9	13.9	17.6	21.8	26.3	30.7
40°	12.3	12.3	12.3	12.3	16.6	21.0	25.5	29.7
42.5°	9.7	9.7	10.5	10.5	15.0	19.2	23.6	27.1
45°	7.9	7.9	8.7	8.7	13.1	17.6	21.0	25.5
47.5°	6.1	6.1	7.1	7.1	11.3	15.8	19.2	22.8
50°	4.5	5.3	5.3	6.1	10.5	13.9	16.6	20.2
51°	4.5	4.5	5.3	5.3	9.7	13.1	15.8	19.2
52°	4.5	4.5	5.3	5.3	8.7	12.3	15.0	17.6
53°	3.4	4.5	4.5	5.3	8.7	12.3	13.9	16.6
54°	3.4	3.4	4.5	4.5	8.7	11.3	13.9	15.0
55°	3.4	3.4	4.5	4.5	7.9	11.3	13.1	13.9
57.5°	3.4	3.4	3.4	3.4	7.1	9.7	11.3	11.3
60°	3.4	3.4	3.4	3.4	7.1	8.7	10.5	7.9



TEST NUMBER: P1219603

CATALOG NUMBER: LDSQA6A25950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.4	3.4	3.4	3.4	6.1	7.9	7.9	6.1
64°	3.4	3.4	3.4	3.4	6.1	7.9	7.9	6.1
65°	3.4	3.4	3.4	3.4	6.1	7.1	7.1	5.3
66°	3.4	3.4	3.4	3.4	6.1	7.1	7.1	5.3
67.5°	3.4	3.4	3.4	3.4	5.3	6.1	6.1	5.3
70°	3.4	3.4	3.4	3.4	5.3	6.1	5.3	4.5
72.5°	3.4	3.4	3.4	3.4	5.3	5.3	4.5	3.4
75°	3.4	3.4	3.4	3.4	4.5	4.5	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	4.5	4.5	3.4	2.6
80°	3.4	3.4	3.4	3.4	4.5	3.4	2.6	1.8
82.5°	3.4	3.4	3.4	3.4	3.4	2.6	1.8	1.8
85°	3.4	3.4	3.4	3.4	3.4	2.6	1.8	0.8
87.5°	3.4	3.4	3.4	3.4	3.4	2.6	0.8	0.8
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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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°	3.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4
62°	2.6	2.6	2.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.4	2.6	2.6	2.6	2.6	2.6	2.6	1.8	1.8	2.6	2.6
62°	2.6	2.6	2.6	2.6	2.6	2.6	1.8	1.8	1.8	2.6	2.6

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4
62°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.4	3.4	3.4	3.4	6.1	8.7	9.7	7.1
62°	3.4	3.4	3.4	3.4	6.1	7.9	8.7	6.1

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)