

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: P1212520

Luminaire Tested: **LDSQA6A35927D010TE 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: P1212520
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: LDSQA6A35927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

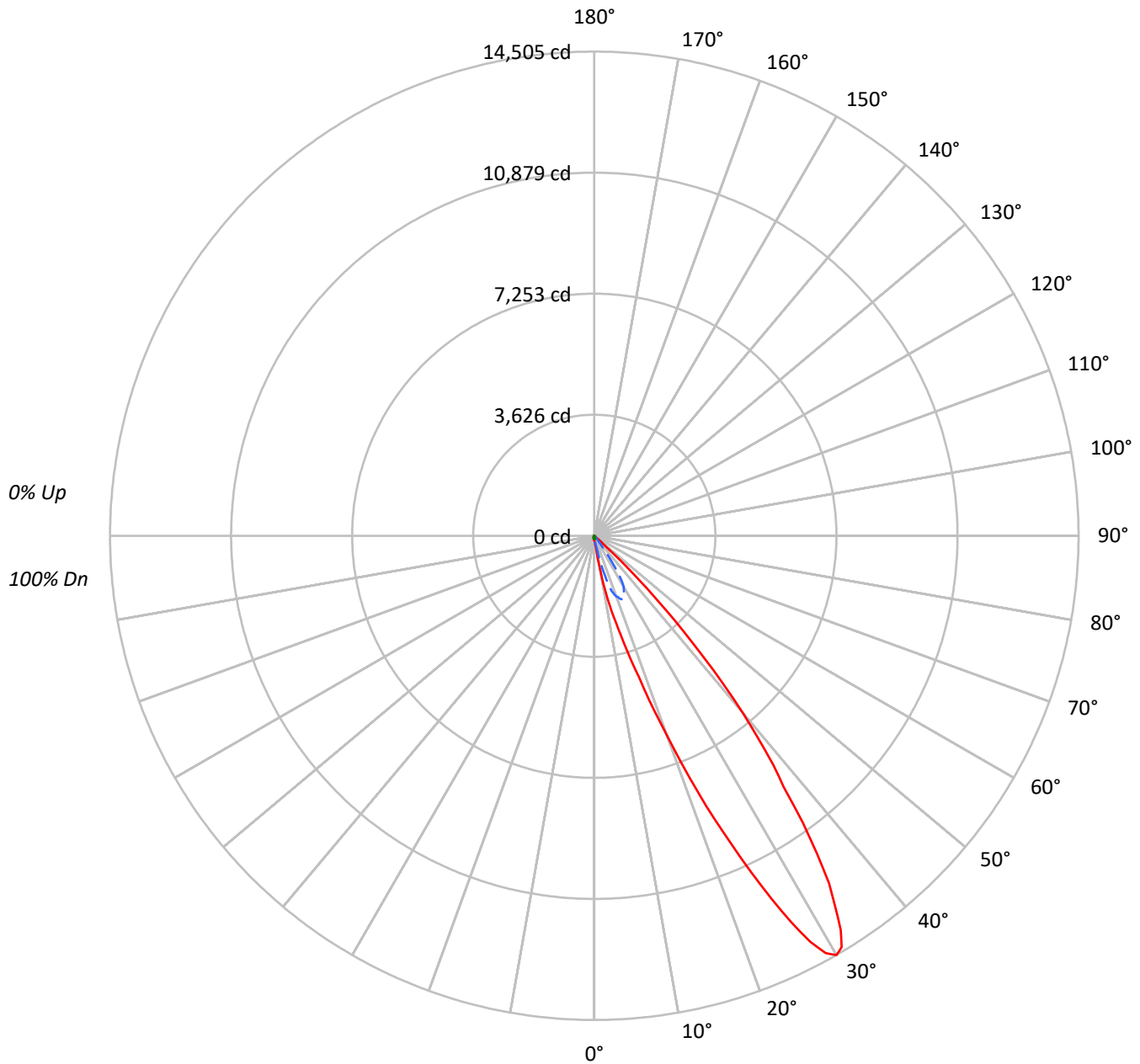
Lumens per Lamp: N/A
Luminaire Lumens: 2133.9 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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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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	76	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°	6023	6023	6023
5°	9288	5701	4581
10°	49806	5067	3799
15°	137338	4101	3249
20°	291628	3070	2836
25°	527885	2233	2470
30°	721116	1636	2183
35°	611256	1156	1997
40°	388012	787	1911
45°	134481	615	1766
50°	8232	469	1541
55°	1419	375	1201
60°	344	344	775
65°	204	408	601
70°	252	504	629
75°	0	665	665
80°	0	992	496
85°	0	1976	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.8
10°-20°	219.4	10.3
20°-30°	762.5	35.7
30°-40°	836.0	39.2
40°-50°	275.7	12.9
50°-60°	11.5	0.5
60°-70°	5.0	0.2
70°-80°	3.9	0.2
80°-90°	2.6	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°	999.4	46.8
0°-40°	1835.3	86.0
0°-60°	2122.5	99.5
0°-90°	2133.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	215	175	132	113	106	45
15°	3081	1256	92	74	73	1024
25°	11112	2060	47	46	52	5200
35°	11629	686	22	29	38	6990
45°	2209	34	10	20	29	1946
55°	19	4	5	13	16	27
65°	2	3	4	8	6	2
75°	0	3	4	5	4	1
85°	0	3	4	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°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	166.0	164.9	164.9	164.9	164.0	161.8	161.8	162.9	162.9	161.8	162.9
5°	214.9	212.9	211.9	210.8	206.8	205.9	201.8	204.8	201.8	198.9	198.9
7.5°	393.7	392.8	375.8	364.7	345.8	323.8	317.9	318.8	304.7	291.8	283.9
10°	1139.2	1141.2	1091.3	1111.3	1039.3	1010.3	955.4	935.5	885.4	843.5	792.5
11°	1524.1	1522.1	1459.1	1478.0	1405.1	1364.0	1302.1	1270.3	1207.3	1165.3	1101.2
12°	1939.7	1878.8	1857.8	1875.8	1800.9	1746.9	1671.8	1631.0	1553.0	1510.0	1433.0
13°	2351.5	2333.5	2263.5	2280.6	2203.6	2085.7	2054.7	2005.7	1914.8	1863.7	1777.9
14°	2708.3	2642.2	2620.3	2631.2	2555.3	2443.3	2412.4	2397.4	2257.6	2202.5	2106.5
15°	3081.1	3001.0	2970.0	2929.1	2884.1	2751.1	2706.3	2677.3	2532.4	2440.4	2378.5
17.5°	4436.1	4323.2	4247.3	4154.2	4055.4	3809.5	3707.6	3610.6	3356.8	3235.0	3051.0
20°	6364.8	6192.0	5997.1	5795.3	5601.4	5167.6	4915.8	4646.0	4299.1	4009.3	3789.5
21°	7298.3	7091.5	6856.6	6704.6	6339.8	5810.2	5470.4	5085.7	4640.0	4281.1	4004.5
22°	8276.6	8040.8	7844.9	7621.0	7115.4	6483.8	6057.0	5563.4	4986.7	4544.1	4194.2
23°	9227.0	8960.2	8725.3	8452.4	7867.8	7136.3	6629.8	6041.0	5346.5	4795.9	4363.2
24°	10134.4	9857.5	9587.7	9229.0	8559.4	7751.0	7155.4	6484.9	5689.3	5037.7	4522.1
25°	11111.8	10787.9	10439.3	9893.5	9212.9	8298.5	7613.1	6870.6	5994.2	5260.5	4655.9
26°	12085.2	11707.4	11184.7	10629.0	9815.6	8792.3	8010.7	7183.3	6253.9	5439.4	4754.9
27°	12998.5	12593.7	11980.3	11219.8	10356.3	9214.9	8338.5	7431.1	6434.8	5555.3	4800.8
28°	13780.1	13334.2	12650.8	11784.2	10759.0	9525.8	8555.4	7577.1	6521.8	5599.3	4806.9
29°	14294.7	13849.9	13113.4	12151.1	10986.8	9679.7	8641.4	7609.0	6516.7	5573.3	4765.9
30°	14504.6	14055.8	13303.3	12271.0	11029.9	9682.7	8606.3	7542.0	6429.8	5491.4	4684.9
31°	14381.6	13950.9	13187.3	12148.0	10877.9	9542.7	8459.5	7373.2	6257.0	5346.5	4564.1
32°	13927.9	13533.1	12799.6	11810.3	10565.1	9261.9	8206.6	7123.3	6013.1	5157.7	4413.1
33°	13236.3	12907.6	12158.1	11245.7	10147.3	8917.2	7898.8	6869.5	5719.3	4926.8	4252.1
34°	12573.7	12088.1	11423.5	10613.2	9611.8	8469.5	7517.2	6469.7	5407.6	4673.0	4068.4
35°	11629.4	11194.7	10581.1	9887.6	8988.1	7922.9	6970.5	6080.0	5058.7	4428.2	3875.4
36°	10633.1	10250.3	9804.6	9183.1	8322.7	7352.3	6480.7	5601.4	4700.0	4155.3	3671.6
37°	9415.8	9329.9	8915.2	8396.5	7628.0	6731.6	5912.1	5151.6	4364.1	3903.5	3447.7
38°	8697.2	8415.5	8035.7	7579.1	6825.6	6107.9	5363.5	4700.0	4059.4	3667.7	3192.8
39°	7782.8	7545.1	7195.3	6784.6	6136.0	5458.5	4852.8	4323.2	3807.5	3429.7	2918.2
40°	6903.5	6705.5	6384.8	6032.0	5443.4	4885.7	4412.2	3991.3	3557.7	3175.9	2646.4
42.5°	4353.1	4255.2	4123.3	4075.4	3864.4	3719.5	3546.7	3303.9	2922.1	2492.5	2122.6
45°	2208.6	2145.6	2143.6	2241.5	2308.5	2315.5	2299.5	2237.6	1989.7	1866.8	1537.9
47.5°	371.7	353.7	364.7	430.7	523.6	636.7	762.5	917.5	1083.2	1048.3	807.5
50°	122.9	119.0	115.9	119.0	114.8	117.9	115.9	112.9	101.9	106.9	110.0
51°	76.0	81.0	77.9	79.9	79.0	81.9	81.9	81.0	74.0	68.9	63.0
52°	52.0	52.9	54.0	54.9	54.0	54.9	56.0	56.0	54.0	52.0	47.0
53°	36.9	36.9	38.0	38.0	38.0	39.1	39.1	39.1	38.0	38.0	36.9
54°	25.9	27.0	27.0	27.0	27.0	27.9	27.9	27.9	29.0	27.9	27.9
55°	18.9	18.9	18.9	18.9	18.9	18.9	20.0	20.0	21.1	21.1	20.0
57.5°	7.9	7.9	7.0	7.9	7.9	7.9	7.9	9.0	9.0	10.1	10.1
60°	4.0	4.0	4.0	4.0	3.1	4.0	4.0	4.0	4.0	5.0	5.0

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	2.0	2.0	2.0	2.0	2.0	2.0	1.1	2.0	2.0	2.0	2.0
64°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.1	1.1	1.1	1.1
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.1	1.1	1.1	1.1
66°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.1	1.1
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	159.8	161.8	158.9	160.9	157.0	157.0	153.9	155.0	153.9	151.9	151.9
5°	193.9	193.9	188.8	188.8	182.9	179.8	175.0	175.0	171.9	166.9	166.0
7.5°	265.9	255.8	244.8	240.8	228.8	220.9	211.9	207.9	198.9	190.8	184.9
10°	711.5	645.7	580.7	540.7	442.8	371.7	318.8	282.8	256.9	225.9	213.8
11°	1003.3	919.4	834.5	751.5	655.6	558.7	497.7	401.8	340.7	271.8	238.9
12°	1319.2	1220.2	1117.3	1023.3	908.5	786.4	702.5	580.7	494.6	379.8	299.9
13°	1642.9	1531.1	1408.1	1310.2	1180.3	1040.4	908.5	795.4	688.5	538.6	421.7
14°	1954.8	1835.8	1700.8	1598.0	1452.1	1300.1	1151.3	1026.4	896.4	717.5	573.7
15°	2232.5	2147.6	1976.8	1874.7	1717.9	1555.9	1390.1	1256.2	1102.3	903.4	737.5
17.5°	2814.1	2657.3	2448.4	2347.4	2191.5	2051.6	1871.8	1750.9	1561.0	1351.1	1168.2
20°	3499.7	3268.8	2986.0	2773.3	2503.4	2257.6	2030.8	1935.7	1817.8	1674.9	1504.1
21°	3687.7	3438.7	3130.0	2913.1	2636.3	2383.4	2116.6	1965.8	1836.7	1712.9	1570.0
22°	3824.5	3561.7	3236.9	3011.0	2726.3	2475.4	2202.5	2021.8	1849.9	1709.8	1580.9
23°	3940.4	3660.7	3322.8	3076.9	2779.2	2520.4	2246.6	2066.6	1876.9	1702.8	1562.9
24°	4045.3	3738.6	3383.8	3119.9	2806.2	2536.4	2252.5	2074.7	1889.8	1706.9	1539.0
25°	4124.3	3787.6	3418.7	3141.9	2812.1	2531.3	2238.5	2059.7	1874.7	1694.0	1512.0
26°	4178.3	3810.6	3428.8	3141.0	2800.3	2511.4	2209.5	2028.6	1838.9	1647.0	1468.1
27°	4195.3	3804.5	3414.8	3118.0	2770.2	2472.3	2160.5	1969.7	1782.9	1591.0	1409.0
28°	4178.3	3780.5	3382.7	3073.0	2720.2	2408.4	2081.7	1891.8	1723.0	1528.9	1337.0
29°	4131.4	3737.5	3323.9	3006.0	2641.3	2304.5	1980.7	1816.7	1653.8	1435.1	1216.3
30°	4058.3	3659.6	3238.9	2908.1	2524.3	2173.5	1889.8	1747.8	1540.1	1283.2	1047.2
31°	3956.4	3558.6	3128.9	2778.1	2368.4	2045.7	1810.8	1618.9	1362.1	1082.3	841.5
32°	3832.6	3438.7	2969.1	2605.3	2214.5	1944.7	1670.9	1422.0	1137.2	844.4	613.6
33°	3699.5	3284.8	2786.2	2423.3	2082.6	1809.9	1469.0	1179.2	885.4	593.6	386.8
34°	3545.6	3096.0	2581.4	2240.5	1934.8	1607.0	1229.2	916.4	631.6	360.7	198.9
35°	3359.9	2863.1	2377.4	2082.6	1723.0	1338.1	966.4	686.5	395.8	181.8	108.0
36°	3134.9	2623.3	2200.5	1879.7	1475.1	1074.2	697.5	437.8	212.9	106.9	85.0
37°	2849.2	2426.4	2014.7	1638.0	1207.3	806.4	449.6	237.8	121.9	86.9	72.0
38°	2602.3	2244.6	1815.8	1374.1	930.4	552.6	272.9	133.9	95.9	72.9	59.9
39°	2389.5	2049.7	1555.0	1096.2	663.5	334.8	149.9	101.9	79.9	59.9	50.9
40°	2203.6	1771.9	1279.1	822.4	426.8	185.9	108.0	85.0	65.0	50.0	41.0
42.5°	1616.9	1124.3	592.6	265.9	124.9	92.9	68.0	54.0	41.9	31.0	25.9
45°	960.3	505.6	178.9	108.9	79.0	59.0	43.0	34.0	25.9	18.9	16.0
47.5°	350.8	128.0	88.0	65.9	50.0	36.9	27.0	21.1	16.0	11.0	9.0
50°	72.0	61.9	47.9	39.1	29.0	22.0	16.0	12.1	9.0	7.0	5.9
51°	54.9	47.9	39.1	31.0	23.0	18.0	13.0	10.1	7.9	5.9	5.0
52°	41.9	36.9	30.1	25.0	18.9	14.0	10.1	7.9	5.9	4.0	4.0
53°	32.9	29.0	23.0	18.9	14.9	11.0	7.9	5.9	5.0	4.0	4.0
54°	25.0	22.0	18.0	14.9	12.1	9.0	5.9	5.0	4.0	4.0	3.1
55°	18.0	16.9	14.0	11.0	9.0	7.0	5.0	4.0	4.0	3.1	3.1
57.5°	9.0	7.9	7.0	5.9	5.0	4.0	3.1	3.1	3.1	3.1	2.0
60°	5.0	4.0	4.0	4.0	3.1	3.1	3.1	2.0	2.0	3.1	3.1



TEST NUMBER: P1212520

CATALOG NUMBER: LDSQA6A35927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.0	2.0	2.0	2.0	3.1	2.0	2.0	2.0	3.1	3.1	3.1
64°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
65°	1.1	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
66°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
75°	1.1	1.1	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
77.5°	1.1	1.1	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
80°	1.1	1.1	1.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
82.5°	1.1	1.1	1.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
85°	1.1	1.1	1.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
87.5°	1.1	1.1	1.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1
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: P1212520

CATALOG NUMBER: LDSQA6A35927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	148.9	150.8	148.9	146.9	146.0	146.0	144.9	141.8	142.9	141.8	141.8
5°	160.9	161.8	157.9	155.0	152.8	150.8	148.9	144.9	143.8	142.9	141.8
7.5°	176.9	175.9	167.9	162.9	157.9	153.9	149.9	144.9	142.9	139.9	137.9
10°	199.8	193.0	179.8	170.8	164.0	155.9	149.9	141.8	137.9	133.9	130.9
11°	209.9	199.8	186.8	175.0	166.0	157.0	149.9	139.9	135.0	130.9	126.9
12°	240.8	213.8	193.0	179.8	167.9	157.9	148.9	139.0	132.8	126.9	122.9
13°	311.8	248.8	205.9	182.9	170.8	158.9	148.0	137.0	130.0	122.9	119.0
14°	427.7	319.9	237.8	193.9	171.9	158.9	146.9	135.0	126.9	119.9	114.8
15°	566.6	429.7	302.8	220.9	175.9	157.9	144.9	131.9	122.9	114.8	110.0
17.5°	954.4	775.4	581.6	413.8	255.8	172.8	137.0	121.9	110.9	101.9	95.9
20°	1279.1	1073.3	854.5	645.7	442.8	275.8	157.9	110.9	97.9	88.0	81.9
21°	1350.2	1157.2	925.4	706.5	496.6	319.9	178.9	110.9	92.9	83.0	76.9
22°	1387.1	1201.1	969.3	746.5	533.7	350.8	200.9	112.0	88.0	77.9	70.9
23°	1381.1	1211.2	986.4	758.5	550.6	365.8	209.9	112.9	83.0	72.9	65.9
24°	1345.1	1184.2	969.3	744.5	545.6	361.8	206.8	110.9	77.9	68.0	61.9
25°	1300.1	1131.3	923.4	706.5	513.7	336.8	191.9	103.9	74.0	63.9	58.0
26°	1249.2	1078.4	859.5	639.5	461.7	294.8	161.8	92.0	68.0	59.0	54.0
27°	1188.2	1009.3	780.5	568.6	389.7	237.8	130.0	77.9	63.0	54.0	50.0
28°	1097.3	911.3	679.5	474.7	311.8	179.8	97.9	67.0	58.0	50.0	45.9
29°	961.4	773.5	553.7	370.8	228.8	123.8	74.9	59.9	52.0	45.0	41.9
30°	791.5	611.6	410.8	254.9	146.9	83.9	61.0	52.9	45.9	41.0	39.1
31°	599.6	434.7	265.9	146.9	88.0	61.9	54.0	45.9	41.0	36.9	36.0
32°	395.8	262.8	140.9	85.0	63.9	54.0	47.0	41.0	36.9	34.0	32.9
33°	211.9	121.0	81.0	63.9	54.0	47.0	41.0	36.0	32.9	31.0	30.1
34°	108.0	79.0	65.9	54.9	45.9	41.0	36.0	32.0	30.1	27.9	27.0
35°	79.9	68.0	56.9	47.0	40.0	36.0	32.0	29.0	27.0	25.0	25.0
36°	68.0	56.9	47.0	41.0	36.0	32.0	29.0	25.0	23.9	23.0	22.0
37°	56.9	49.0	41.0	34.9	31.0	27.9	25.0	23.0	21.1	20.0	20.0
38°	47.9	41.9	34.9	30.1	27.0	25.0	22.0	20.0	18.9	18.0	18.0
39°	40.0	34.9	30.1	25.9	23.0	21.1	18.9	18.0	16.9	16.0	16.0
40°	32.9	30.1	25.0	22.0	20.0	18.0	16.9	16.0	14.9	14.0	14.9
42.5°	21.1	18.0	16.0	14.9	13.0	13.0	12.1	11.0	11.0	11.0	11.0
45°	12.1	11.0	10.1	10.1	9.0	9.0	9.0	7.9	9.0	9.0	9.0
47.5°	7.0	7.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.0	7.0
50°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
51°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
52°	4.0	4.0	4.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0
53°	3.1	4.0	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0
54°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0
57.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0
60°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0



TEST NUMBER: P1212520

CATALOG NUMBER: LDSQA6A35927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.1	3.1	3.1	3.1	3.1	4.0	3.1	3.1	3.1	4.0	4.0
64°	3.1	3.1	3.1	3.1	3.1	4.0	3.1	3.1	3.1	3.1	4.0
65°	3.1	3.1	4.0	4.0	4.0	4.0	3.1	3.1	3.1	3.1	4.0
66°	3.1	3.1	4.0	4.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0
67.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	3.1	4.0	4.0	4.0
70°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
75°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
77.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
82.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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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Peachtree City, GA 30269



TEST NUMBER: P1212520

CATALOG NUMBER: LDSQA6A35927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	139.0	137.9	137.0	137.0	128.9	124.9	119.9	119.9
5°	137.0	135.9	133.9	131.9	119.0	112.9	106.9	106.0
7.5°	132.8	130.0	126.9	124.9	108.9	101.9	95.9	94.9
10°	124.9	121.0	117.9	115.9	99.0	92.0	86.9	86.9
11°	121.0	117.0	113.9	110.9	94.0	88.0	83.9	83.9
12°	117.0	112.9	108.9	106.9	90.0	85.0	81.0	79.9
13°	112.9	108.0	104.9	101.9	85.9	81.0	77.9	77.9
14°	108.9	103.9	99.9	97.0	81.9	76.9	74.9	74.9
15°	103.0	97.9	94.9	92.0	76.9	74.0	72.0	72.9
17.5°	88.9	85.0	81.9	79.0	67.0	65.9	65.9	67.0
20°	76.0	72.0	68.9	67.0	58.0	59.0	59.9	61.9
21°	70.9	67.0	63.9	61.9	54.9	56.0	58.0	59.9
22°	65.9	63.0	59.9	58.0	52.0	52.9	56.0	58.0
23°	61.0	58.0	56.0	54.0	49.0	50.9	54.0	56.0
24°	56.9	54.0	52.0	50.0	45.9	47.9	52.0	54.0
25°	52.9	50.0	47.9	47.0	43.0	45.9	50.0	52.0
26°	49.0	47.0	45.0	43.9	41.0	43.9	47.9	50.9
27°	45.0	43.0	41.9	41.0	38.0	41.9	45.9	49.0
28°	41.9	40.0	39.1	38.0	36.0	40.0	45.0	47.0
29°	39.1	36.9	36.0	34.9	34.0	38.0	43.0	45.9
30°	36.0	34.9	32.9	32.9	32.0	36.9	41.0	43.9
31°	32.9	32.0	31.0	30.1	30.1	34.9	40.0	43.0
32°	31.0	30.1	29.0	27.9	29.0	32.9	38.0	41.9
33°	27.9	27.0	27.0	25.9	27.0	32.0	36.9	41.0
34°	25.0	25.0	23.9	23.9	25.9	31.0	36.0	39.1
35°	23.0	22.0	22.0	22.0	25.0	29.0	34.9	38.0
36°	21.1	21.1	20.0	20.0	23.9	27.9	34.0	36.9
37°	18.9	18.9	18.9	18.0	22.0	27.0	32.0	36.0
38°	16.9	16.9	16.9	16.9	21.1	25.9	32.0	36.0
39°	14.9	14.9	16.0	16.0	20.0	25.0	30.1	34.9
40°	14.0	14.0	14.0	14.0	18.9	23.9	29.0	34.0
42.5°	11.0	11.0	12.1	12.1	16.9	22.0	27.0	31.0
45°	9.0	9.0	10.1	10.1	14.9	20.0	23.9	29.0
47.5°	7.0	7.0	7.9	7.9	13.0	18.0	22.0	25.9
50°	5.0	5.9	5.9	7.0	12.1	16.0	18.9	23.0
51°	5.0	5.0	5.9	5.9	11.0	14.9	18.0	22.0
52°	5.0	5.0	5.9	5.9	10.1	14.0	16.9	20.0
53°	4.0	5.0	5.0	5.9	10.1	14.0	16.0	18.9
54°	4.0	4.0	5.0	5.0	10.1	13.0	16.0	16.9
55°	4.0	4.0	5.0	5.0	9.0	13.0	14.9	16.0
57.5°	4.0	4.0	4.0	4.0	7.9	11.0	13.0	13.0
60°	4.0	4.0	4.0	4.0	7.9	10.1	12.1	9.0



TEST NUMBER: P1212520

CATALOG NUMBER: LDSQA6A35927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.0	4.0	4.0	4.0	7.0	9.0	9.0	7.0
64°	4.0	4.0	4.0	4.0	7.0	9.0	9.0	7.0
65°	4.0	4.0	4.0	4.0	7.0	7.9	7.9	5.9
66°	4.0	4.0	4.0	4.0	7.0	7.9	7.9	5.9
67.5°	4.0	4.0	4.0	4.0	5.9	7.0	7.0	5.9
70°	4.0	4.0	4.0	4.0	5.9	7.0	5.9	5.0
72.5°	4.0	4.0	4.0	4.0	5.9	5.9	5.0	4.0
75°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0
77.5°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	3.1
80°	4.0	4.0	4.0	4.0	5.0	4.0	3.1	2.0
82.5°	4.0	4.0	4.0	4.0	4.0	3.1	2.0	2.0
85°	4.0	4.0	4.0	4.0	4.0	3.1	2.0	1.1
87.5°	4.0	4.0	4.0	4.0	4.0	3.1	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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Peachtree City, GA 30269

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0
62°	3.1	3.1	3.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



61°	4.0	3.1	3.1	3.1	3.1	3.1	3.1	2.0	2.0	3.1	3.1
62°	3.1	3.1	3.1	3.1	3.1	3.1	2.0	2.0	2.0	3.1	3.1

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0
62°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1

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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
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Peachtree City, GA 30269

Scaled Data Report



61°	4.0	4.0	4.0	4.0	7.0	10.1	11.0	7.9
62°	4.0	4.0	4.0	4.0	7.0	9.0	10.1	7.0

Classified

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)