

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: P1212538

Luminaire Tested: **LDSQA6A35940D010TE 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: P1212538
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: LDSQA6A35940D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

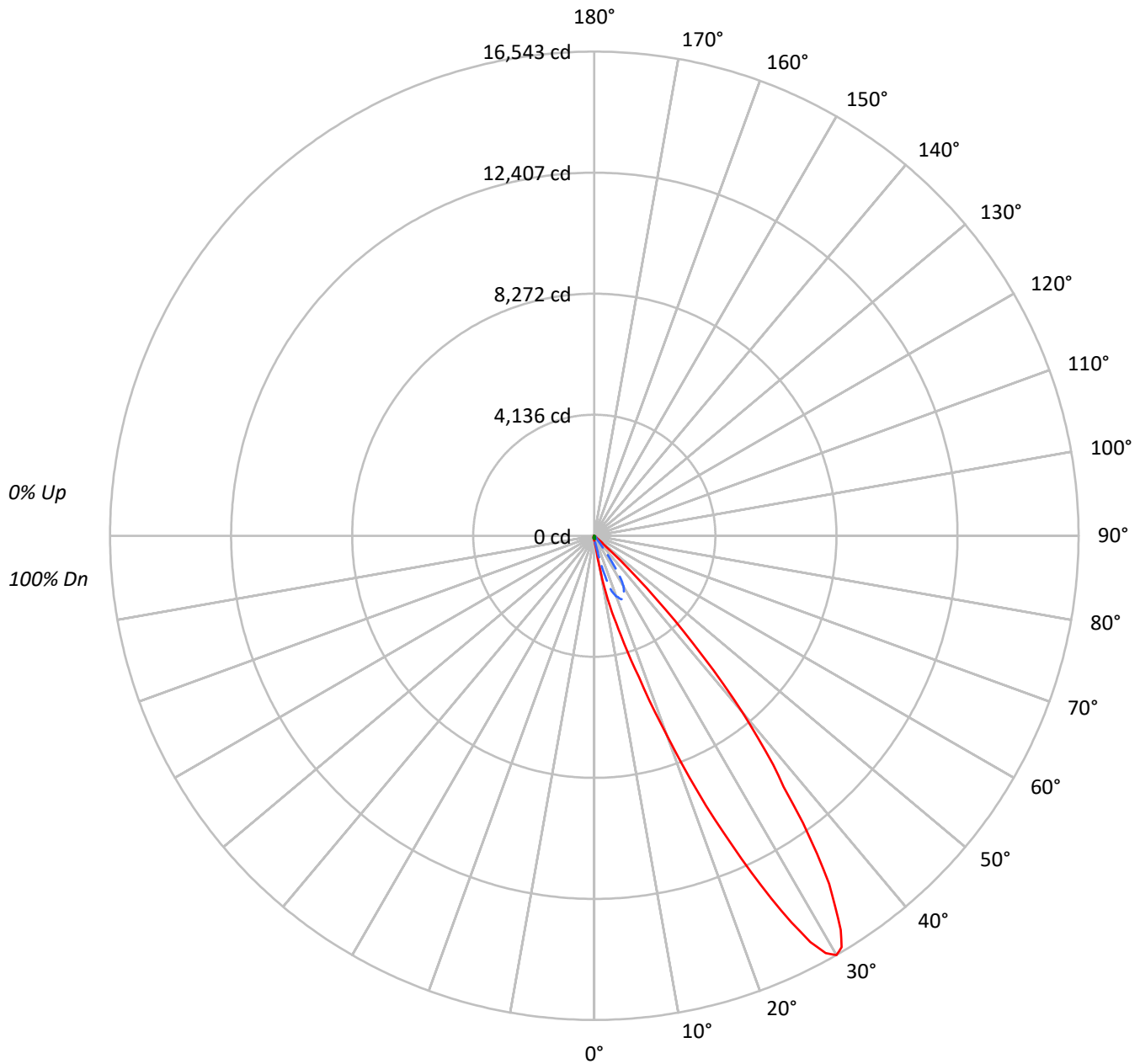
Lumens per Lamp: N/A
Luminaire Lumens: 2433.7 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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°	6876	6876	6876
5°	10589	6505	5221
10°	56810	5784	4337
15°	156635	4676	3709
20°	332618	3496	3239
25°	602080	2546	2812
30°	822473	1869	2496
35°	697172	1314	2281
40°	442543	899	2175
45°	153376	688	2015
50°	9391	529	1762
55°	1621	435	1366
60°	388	388	887
65°	234	458	693
70°	290	566	730
75°	0	749	749
80°	0	1116	570
85°	0	2223	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.8
10°-20°	250.2	10.3
20°-30°	869.7	35.7
30°-40°	953.5	39.2
40°-50°	314.5	12.9
50°-60°	13.1	0.5
60°-70°	5.6	0.2
70°-80°	4.4	0.2
80°-90°	2.9	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°	1139.8	46.8
0°-40°	2093.3	86.0
0°-60°	2420.8	99.5
0°-90°	2433.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	245	199	150	129	121	52
15°	3514	1433	105	84	83	1168
25°	12674	2349	54	52	59	5931
35°	13264	783	25	33	43	7972
45°	2519	39	11	23	33	2219
55°	22	4	6	15	18	31
65°	2	3	4	9	7	3
75°	0	3	4	6	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°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	189.2	188.1	188.1	188.1	186.8	184.7	184.7	185.8	185.8	184.7	185.8
5°	245.0	242.8	241.6	240.5	236.0	234.7	230.2	233.6	230.2	226.8	226.8
7.5°	449.1	448.0	428.6	416.0	394.4	369.4	362.5	363.6	347.6	332.8	323.6
10°	1299.4	1301.6	1244.7	1267.4	1185.5	1152.4	1089.7	1066.9	1009.8	961.9	903.8
11°	1738.3	1735.9	1664.1	1685.7	1602.5	1555.9	1485.2	1448.6	1376.8	1328.9	1256.0
12°	2212.4	2142.9	2119.0	2139.5	2054.0	1992.4	1906.9	1860.1	1771.2	1722.2	1634.4
13°	2682.0	2661.5	2581.7	2601.0	2513.3	2378.7	2343.4	2287.6	2183.9	2125.8	2027.7
14°	3088.8	3013.7	2988.5	3001.1	2914.6	2786.8	2751.5	2734.4	2574.9	2512.1	2402.6
15°	3514.0	3422.9	3387.6	3340.8	3289.5	3137.9	3086.6	3053.5	2888.3	2783.3	2712.8
17.5°	5059.6	4930.7	4844.2	4738.1	4625.3	4345.0	4228.7	4118.0	3828.6	3689.6	3479.8
20°	7259.4	7062.3	6840.0	6609.8	6388.6	5893.9	5606.6	5299.0	4903.4	4572.9	4322.2
21°	8324.1	8088.1	7820.3	7646.9	7231.0	6626.9	6239.3	5800.5	5292.2	4882.9	4567.1
22°	9439.9	9170.8	8947.4	8692.2	8115.5	7395.1	6908.4	6345.4	5687.6	5182.7	4783.9
23°	10523.9	10219.5	9951.7	9640.4	8973.7	8139.4	7561.4	6890.2	6098.0	5470.0	4976.5
24°	11558.9	11243.2	10935.4	10526.2	9762.5	8840.3	8161.0	7396.2	6489.0	5745.8	5157.7
25°	12673.6	12304.3	11906.5	11284.0	10507.9	9464.9	8683.0	7836.1	6836.6	5999.9	5310.4
26°	13783.7	13352.9	12756.8	12123.0	11195.3	10028.0	9136.6	8192.9	7132.9	6204.1	5423.2
27°	14825.5	14363.8	13664.0	12796.6	11811.8	10510.2	9510.5	8475.7	7339.1	6336.2	5475.6
28°	15716.9	15208.4	14428.8	13440.6	12271.1	10864.6	9758.0	8642.0	7438.3	6386.4	5482.4
29°	16303.9	15796.6	14956.6	13858.9	12531.1	11040.1	9855.9	8678.5	7432.7	6356.7	5435.8
30°	16543.3	16031.3	15173.1	13995.7	12580.0	11043.5	9816.1	8602.2	7333.6	6263.3	5343.5
31°	16403.0	15911.6	15041.0	13855.5	12406.9	10884.1	9648.5	8409.4	7136.3	6098.0	5205.4
32°	15885.5	15435.4	14598.7	13470.3	12050.1	10563.7	9360.2	8124.5	6858.2	5882.6	5033.3
33°	15096.8	14721.8	13866.8	12826.3	11573.6	10170.5	9009.0	7835.0	6523.2	5619.2	4849.9
34°	14341.1	13787.1	13029.1	12104.8	10962.7	9659.9	8573.6	7379.1	6167.5	5329.8	4640.2
35°	13264.0	12768.1	12068.3	11277.2	10251.4	9036.4	7950.2	6934.7	5769.7	5050.4	4420.3
36°	12127.5	11691.0	11182.7	10473.7	9492.3	8385.7	7391.7	6388.6	5360.6	4739.4	4187.7
37°	10739.3	10641.2	10168.2	9576.7	8700.1	7677.7	6743.2	5875.7	4977.5	4452.1	3932.3
38°	9919.8	9598.3	9165.2	8644.3	7784.8	6966.5	6117.3	5360.6	4630.0	4183.0	3641.8
39°	8876.9	8605.6	8206.6	7738.2	6998.4	6225.7	5535.0	4930.7	4342.7	3911.8	3328.2
40°	7873.7	7648.2	7282.3	6880.0	6208.6	5572.4	5032.3	4552.4	4057.7	3622.3	3018.2
42.5°	4964.9	4853.3	4702.9	4648.1	4407.7	4242.4	4045.1	3768.1	3332.9	2842.7	2421.0
45°	2518.9	2447.1	2444.9	2556.5	2633.0	2641.0	2622.8	2552.0	2269.4	2129.2	1754.1
47.5°	424.1	403.6	416.0	491.2	597.2	726.1	869.8	1046.3	1235.5	1195.7	920.9
50°	140.2	135.7	132.3	135.7	131.0	134.5	132.3	128.9	116.3	122.0	125.5
51°	86.6	92.3	88.9	91.3	90.0	93.4	93.4	92.3	84.4	78.7	71.8
52°	59.2	60.5	61.6	62.6	61.6	62.6	63.9	63.9	61.6	59.2	53.6
53°	42.1	42.1	43.4	43.4	43.4	44.5	44.5	44.5	43.4	43.4	42.1
54°	29.7	30.8	30.8	30.8	30.8	31.9	31.9	31.9	33.1	31.9	31.9
55°	21.6	21.6	21.6	21.6	21.6	21.6	22.9	22.9	23.9	23.9	22.9
57.5°	9.2	9.2	7.9	9.2	9.2	9.2	9.2	10.3	10.3	11.3	11.3
60°	4.5	4.5	4.5	4.5	3.4	4.5	4.5	4.5	4.5	5.8	5.8

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	2.3	2.3	2.3	2.3	2.3	2.3	1.1	2.3	2.3	2.3	2.3
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	1.1
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	2.3	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	182.3	184.7	181.3	183.4	178.9	178.9	175.5	176.8	175.5	173.3	173.3
5°	221.0	221.0	215.5	215.5	208.6	205.2	199.4	199.4	196.0	190.3	189.2
7.5°	303.1	291.8	279.2	274.7	261.0	251.8	241.6	237.1	226.8	217.6	210.8
10°	811.6	736.4	662.2	616.7	504.9	424.1	363.6	322.6	292.9	257.6	243.9
11°	1144.4	1048.7	951.7	857.2	747.7	637.2	567.5	458.3	388.6	310.0	272.3
12°	1504.6	1391.8	1274.2	1167.1	1036.1	896.9	801.4	662.2	564.1	433.1	342.0
13°	1873.8	1746.2	1606.0	1494.4	1346.0	1186.6	1036.1	907.2	785.3	614.3	481.0
14°	2229.5	2093.8	1940.0	1822.5	1656.2	1482.8	1313.1	1170.5	1022.4	818.5	654.3
15°	2546.3	2449.4	2254.5	2138.2	1959.3	1774.6	1585.4	1432.8	1257.1	1030.3	841.1
17.5°	3209.8	3030.8	2792.5	2677.5	2499.7	2340.0	2134.8	1996.9	1780.4	1541.0	1332.4
20°	3991.7	3728.3	3405.8	3163.0	2855.2	2574.9	2316.1	2207.9	2073.2	1910.3	1715.4
21°	4205.9	3922.0	3569.9	3322.6	3006.9	2718.4	2414.2	2242.1	2095.0	1953.7	1790.6
22°	4362.1	4062.2	3691.8	3434.2	3109.3	2823.3	2512.1	2305.8	2109.8	1950.3	1803.2
23°	4494.2	4175.1	3789.9	3509.5	3169.8	2874.6	2562.3	2357.1	2140.6	1942.2	1782.7
24°	4613.9	4264.0	3859.4	3558.4	3200.6	2892.8	2569.1	2366.3	2155.3	1946.9	1755.4
25°	4703.9	4319.8	3899.3	3583.6	3207.4	2887.2	2553.1	2349.2	2138.2	1931.9	1724.6
26°	4765.5	4346.1	3910.7	3582.4	3193.7	2864.3	2520.2	2313.9	2097.2	1878.5	1674.4
27°	4784.9	4339.3	3894.7	3556.3	3159.5	2819.9	2464.2	2246.6	2033.5	1814.6	1607.2
28°	4765.5	4311.9	3858.3	3505.0	3102.5	2747.0	2374.2	2157.7	1965.1	1743.8	1525.1
29°	4712.0	4262.9	3791.0	3428.5	3012.5	2628.4	2259.2	2072.2	1886.4	1636.7	1387.1
30°	4628.7	4174.0	3694.1	3316.9	2879.1	2479.1	2155.3	1993.5	1756.4	1463.6	1194.5
31°	4512.4	4058.8	3568.7	3168.7	2701.3	2333.2	2065.3	1846.4	1553.6	1234.4	959.8
32°	4371.1	3922.0	3386.3	2971.4	2525.8	2218.1	1905.8	1622.0	1297.1	963.2	699.8
33°	4219.6	3746.5	3177.7	2764.1	2375.3	2064.2	1675.4	1345.0	1009.8	677.0	441.2
34°	4044.1	3531.1	2944.1	2555.5	2206.6	1832.8	1402.0	1045.3	720.4	411.5	226.8
35°	3832.0	3265.6	2711.5	2375.3	1965.1	1526.2	1102.1	783.0	451.4	207.4	123.1
36°	3575.5	2992.0	2509.9	2144.0	1682.3	1225.3	795.6	499.3	242.8	122.0	96.8
37°	3249.5	2767.5	2297.9	1868.2	1376.8	919.8	513.0	271.3	139.1	99.2	82.1
38°	2968.0	2560.0	2071.1	1567.3	1061.1	630.4	311.2	152.8	109.4	83.2	68.4
39°	2725.2	2337.7	1773.5	1250.5	756.9	381.8	171.0	116.3	91.3	68.4	58.1
40°	2513.3	2020.9	1458.9	938.0	486.7	212.0	123.1	96.8	74.2	57.1	46.8
42.5°	1844.3	1282.3	675.9	303.1	142.6	106.0	77.6	61.6	47.9	35.3	29.7
45°	1095.3	576.7	203.9	124.2	90.0	67.3	49.0	38.7	29.7	21.6	18.2
47.5°	400.1	146.0	100.3	75.2	57.1	42.1	30.8	23.9	18.2	12.6	10.3
50°	82.1	70.7	54.7	44.5	33.1	25.0	18.2	13.7	10.3	7.9	6.8
51°	62.6	54.7	44.5	35.3	26.3	20.5	14.8	11.3	9.2	6.8	5.8
52°	47.9	42.1	34.2	28.4	21.6	16.0	11.3	9.2	6.8	4.5	4.5
53°	37.6	33.1	26.3	21.6	17.1	12.6	9.2	6.8	5.8	4.5	4.5
54°	28.4	25.0	20.5	17.1	13.7	10.3	6.8	5.8	4.5	4.5	3.4
55°	20.5	19.4	16.0	12.6	10.3	7.9	5.8	4.5	4.5	3.4	3.4
57.5°	10.3	9.2	7.9	6.8	5.8	4.5	3.4	3.4	3.4	3.4	2.3
60°	5.8	4.5	4.5	4.5	3.4	3.4	3.4	2.3	2.3	3.4	3.4



TEST NUMBER: P1212538

CATALOG NUMBER: LDSQA6A35940D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.3	2.3	2.3	2.3	3.4	2.3	2.3	2.3	3.4	3.4	3.4
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
65°	1.1	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
75°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
77.5°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
80°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
82.5°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
85°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
87.5°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	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: P1212538

CATALOG NUMBER: LDSQA6A35940D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	169.9	172.1	169.9	167.6	166.5	166.5	165.2	161.8	163.1	161.8	161.8
5°	183.4	184.7	180.0	176.8	174.4	172.1	169.9	165.2	164.2	163.1	161.8
7.5°	201.8	200.5	191.5	185.8	180.0	175.5	171.0	165.2	163.1	159.7	157.3
10°	227.9	220.0	205.2	194.9	186.8	177.8	171.0	161.8	157.3	152.8	149.4
11°	239.4	227.9	213.1	199.4	189.2	178.9	171.0	159.7	153.9	149.4	144.7
12°	274.7	243.9	220.0	205.2	191.5	180.0	169.9	158.4	151.6	144.7	140.2
13°	355.7	283.9	234.7	208.6	194.9	181.3	168.7	156.2	148.1	140.2	135.7
14°	487.8	364.7	271.3	221.0	196.0	181.3	167.6	153.9	144.7	136.8	131.0
15°	646.2	490.1	345.4	251.8	200.5	180.0	165.2	150.5	140.2	131.0	125.5
17.5°	1088.5	884.5	663.3	472.0	291.8	197.1	156.2	139.1	126.5	116.3	109.4
20°	1458.9	1224.2	974.5	736.4	504.9	314.6	180.0	126.5	111.8	100.3	93.4
21°	1539.9	1319.9	1055.5	805.9	566.5	364.7	203.9	126.5	106.0	94.7	87.8
22°	1582.0	1370.0	1105.6	851.4	608.6	400.1	229.1	127.6	100.3	88.9	81.0
23°	1575.2	1381.5	1125.0	865.1	628.0	417.2	239.4	128.9	94.7	83.2	75.2
24°	1534.1	1350.7	1105.6	849.2	622.3	412.6	236.0	126.5	88.9	77.6	70.7
25°	1482.8	1290.2	1053.2	805.9	585.9	384.1	218.9	118.6	84.4	72.9	66.1
26°	1424.7	1229.9	980.3	729.5	526.7	336.2	184.7	104.9	77.6	67.3	61.6
27°	1355.2	1151.3	890.3	648.5	444.6	271.3	148.1	88.9	71.8	61.6	57.1
28°	1251.5	1039.5	775.1	541.4	355.7	205.2	111.8	76.3	66.1	57.1	52.4
29°	1096.6	882.2	631.4	422.8	261.0	141.3	85.5	68.4	59.2	51.3	47.9
30°	902.7	697.5	468.5	290.7	167.6	95.8	69.5	60.5	52.4	46.8	44.5
31°	683.8	495.9	303.1	167.6	100.3	70.7	61.6	52.4	46.8	42.1	41.0
32°	451.4	299.7	160.7	96.8	72.9	61.6	53.6	46.8	42.1	38.7	37.6
33°	241.6	137.9	92.3	72.9	61.6	53.6	46.8	41.0	37.6	35.3	34.2
34°	123.1	90.0	75.2	62.6	52.4	46.8	41.0	36.5	34.2	31.9	30.8
35°	91.3	77.6	65.0	53.6	45.5	41.0	36.5	33.1	30.8	28.4	28.4
36°	77.6	65.0	53.6	46.8	41.0	36.5	33.1	28.4	27.4	26.3	25.0
37°	65.0	55.8	46.8	40.0	35.3	31.9	28.4	26.3	23.9	22.9	22.9
38°	54.7	47.9	40.0	34.2	30.8	28.4	25.0	22.9	21.6	20.5	20.5
39°	45.5	40.0	34.2	29.7	26.3	23.9	21.6	20.5	19.4	18.2	18.2
40°	37.6	34.2	28.4	25.0	22.9	20.5	19.4	18.2	17.1	16.0	17.1
42.5°	23.9	20.5	18.2	17.1	14.8	14.8	13.7	12.6	12.6	12.6	12.6
45°	13.7	12.6	11.3	11.3	10.3	10.3	10.3	9.2	10.3	10.3	10.3
47.5°	7.9	7.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.9	7.9
50°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.8	5.8
51°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.8
52°	4.5	4.5	4.5	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5
53°	3.4	4.5	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5
54°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
57.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212538

CATALOG NUMBER: LDSQA6A35940D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.4	3.4	3.4	3.4	3.4	4.5	3.4	3.4	3.4	4.5	4.5
64°	3.4	3.4	3.4	3.4	3.4	4.5	3.4	3.4	3.4	3.4	4.5
65°	3.4	3.4	4.5	4.5	4.5	4.5	3.4	3.4	3.4	3.4	4.5
66°	3.4	3.4	4.5	4.5	4.5	4.5	4.5	3.4	3.4	4.5	4.5
67.5°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	3.4	4.5	4.5	4.5
70°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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: P1212538

CATALOG NUMBER: LDSQA6A35940D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	158.4	157.3	156.2	156.2	147.1	142.6	136.8	136.8
5°	156.2	155.0	152.8	150.5	135.7	128.9	122.0	120.8
7.5°	151.6	148.1	144.7	142.6	124.2	116.3	109.4	108.4
10°	142.6	137.9	134.5	132.3	112.9	104.9	99.2	99.2
11°	137.9	133.4	130.0	126.5	107.1	100.3	95.8	95.8
12°	133.4	128.9	124.2	122.0	102.6	96.8	92.3	91.3
13°	128.9	123.1	119.7	116.3	98.1	92.3	88.9	88.9
14°	124.2	118.6	113.9	110.5	93.4	87.8	85.5	85.5
15°	117.4	111.8	108.4	104.9	87.8	84.4	82.1	83.2
17.5°	101.5	96.8	93.4	90.0	76.3	75.2	75.2	76.3
20°	86.6	82.1	78.7	76.3	66.1	67.3	68.4	70.7
21°	81.0	76.3	72.9	70.7	62.6	63.9	66.1	68.4
22°	75.2	71.8	68.4	66.1	59.2	60.5	63.9	66.1
23°	69.5	66.1	63.9	61.6	55.8	58.1	61.6	63.9
24°	65.0	61.6	59.2	57.1	52.4	54.7	59.2	61.6
25°	60.5	57.1	54.7	53.6	49.0	52.4	57.1	59.2
26°	55.8	53.6	51.3	50.2	46.8	50.2	54.7	58.1
27°	51.3	49.0	47.9	46.8	43.4	47.9	52.4	55.8
28°	47.9	45.5	44.5	43.4	41.0	45.5	51.3	53.6
29°	44.5	42.1	41.0	40.0	38.7	43.4	49.0	52.4
30°	41.0	40.0	37.6	37.6	36.5	42.1	46.8	50.2
31°	37.6	36.5	35.3	34.2	34.2	40.0	45.5	49.0
32°	35.3	34.2	33.1	31.9	33.1	37.6	43.4	47.9
33°	31.9	30.8	30.8	29.7	30.8	36.5	42.1	46.8
34°	28.4	28.4	27.4	27.4	29.7	35.3	41.0	44.5
35°	26.3	25.0	25.0	25.0	28.4	33.1	40.0	43.4
36°	23.9	23.9	22.9	22.9	27.4	31.9	38.7	42.1
37°	21.6	21.6	21.6	20.5	25.0	30.8	36.5	41.0
38°	19.4	19.4	19.4	19.4	23.9	29.7	36.5	41.0
39°	17.1	17.1	18.2	18.2	22.9	28.4	34.2	40.0
40°	16.0	16.0	16.0	16.0	21.6	27.4	33.1	38.7
42.5°	12.6	12.6	13.7	13.7	19.4	25.0	30.8	35.3
45°	10.3	10.3	11.3	11.3	17.1	22.9	27.4	33.1
47.5°	7.9	7.9	9.2	9.2	14.8	20.5	25.0	29.7
50°	5.8	6.8	6.8	7.9	13.7	18.2	21.6	26.3
51°	5.8	5.8	6.8	6.8	12.6	17.1	20.5	25.0
52°	5.8	5.8	6.8	6.8	11.3	16.0	19.4	22.9
53°	4.5	5.8	5.8	6.8	11.3	16.0	18.2	21.6
54°	4.5	4.5	5.8	5.8	11.3	14.8	18.2	19.4
55°	4.5	4.5	5.8	5.8	10.3	14.8	17.1	18.2
57.5°	4.5	4.5	4.5	4.5	9.2	12.6	14.8	14.8
60°	4.5	4.5	4.5	4.5	9.2	11.3	13.7	10.3



TEST NUMBER: P1212538

CATALOG NUMBER: LDSQA6A35940D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.5	4.5	4.5	4.5	7.9	10.3	10.3	7.9
64°	4.5	4.5	4.5	4.5	7.9	10.3	10.3	7.9
65°	4.5	4.5	4.5	4.5	7.9	9.2	9.2	6.8
66°	4.5	4.5	4.5	4.5	7.9	9.2	9.2	6.8
67.5°	4.5	4.5	4.5	4.5	6.8	7.9	7.9	6.8
70°	4.5	4.5	4.5	4.5	6.8	7.9	6.8	5.8
72.5°	4.5	4.5	4.5	4.5	6.8	6.8	5.8	4.5
75°	4.5	4.5	4.5	4.5	5.8	5.8	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	5.8	5.8	4.5	3.4
80°	4.5	4.5	4.5	4.5	5.8	4.5	3.4	2.3
82.5°	4.5	4.5	4.5	4.5	4.5	3.4	2.3	2.3
85°	4.5	4.5	4.5	4.5	4.5	3.4	2.3	1.1
87.5°	4.5	4.5	4.5	4.5	4.5	3.4	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



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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

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Peachtree City, GA 30269

Scaled Data Report





61°	4.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
62°	3.4	3.4	3.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

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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°	4.5	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3	3.4	3.4
62°	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3	2.3	3.4	3.4

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Cooper Lighting Solutions Photometric Lab

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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	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
62°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4

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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°	4.5	4.5	4.5	4.5	7.9	11.3	12.6	9.2
62°	4.5	4.5	4.5	4.5	7.9	10.3	11.3	7.9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)