

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: P1219609

Luminaire Tested: **LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219609
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: LDSQA6A30950D010TE 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

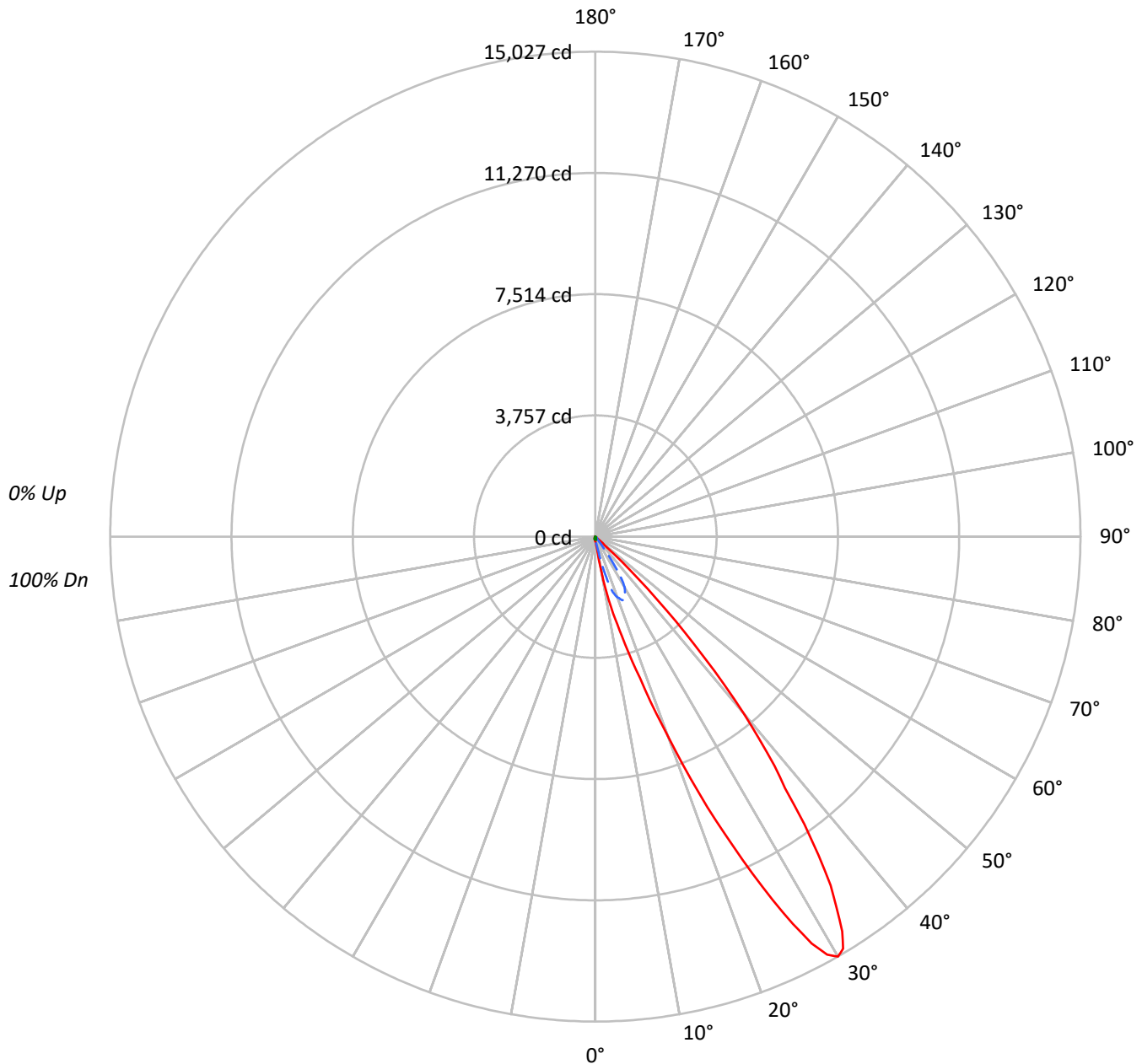
Lumens per Lamp: N/A
Luminaire Lumens: 2210.7 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 39.8
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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1121 Highway 74 South

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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°	6239	6239	6239
5°	9621	5908	4741
10°	51607	5251	3939
15°	142286	4248	3370
20°	302143	3180	2942
25°	546911	2314	2561
30°	747103	1700	2267
35°	633284	1198	2071
40°	401996	815	1984
45°	139322	627	1827
50°	8534	489	1594
55°	1479	390	1239
60°	362	362	801
65°	214	428	632
70°	264	529	655
75°	0	699	699
80°	0	1041	521
85°	0	2075	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.8
10°-20°	227.3	10.3
20°-30°	790.0	35.7
30°-40°	866.1	39.2
40°-50°	285.6	12.9
50°-60°	11.9	0.5
60°-70°	5.1	0.2
70°-80°	4.0	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°	1035.4	46.8
0°-40°	1901.5	86.0
0°-60°	2199.0	99.5
0°-90°	2210.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2210.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	223	181	137	117	110	47
15°	3192	1302	95	77	76	1061
25°	11512	2134	49	48	54	5388
35°	12048	711	23	30	39	7242
45°	2288	35	10	21	30	2016
55°	20	4	5	14	16	28
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°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	171.8	170.9	170.9	170.9	169.8	167.8	167.8	168.8	168.8	167.8	168.8
5°	222.6	220.6	219.5	218.5	214.3	213.3	209.1	212.3	209.1	206.0	206.0
7.5°	407.9	406.8	389.4	377.9	358.2	335.4	329.3	330.2	315.7	302.3	294.0
10°	1180.4	1182.4	1130.7	1151.4	1076.8	1046.8	989.8	969.1	917.4	873.9	821.0
11°	1578.9	1576.8	1511.6	1531.3	1455.7	1413.3	1349.1	1316.0	1250.8	1207.2	1141.0
12°	2009.6	1946.5	1924.7	1943.4	1865.8	1809.8	1732.1	1689.7	1609.0	1564.5	1484.7
13°	2436.2	2417.6	2345.1	2362.8	2282.9	2160.8	2128.8	2078.0	1983.7	1931.0	1841.8
14°	2805.8	2737.5	2714.7	2726.2	2647.4	2531.5	2499.4	2483.8	2338.9	2281.9	2182.5
15°	3192.1	3109.2	3077.2	3034.6	2988.0	2850.3	2803.8	2773.7	2623.6	2528.3	2464.2
17.5°	4596.0	4479.1	4400.3	4304.0	4201.5	3946.8	3841.2	3740.8	3477.8	3351.4	3161.0
20°	6594.3	6415.0	6213.2	6004.1	5803.3	5353.8	5093.0	4813.4	4454.1	4153.9	3926.1
21°	7561.2	7347.0	7103.6	6946.3	6568.3	6019.6	5667.7	5269.1	4807.2	4435.6	4148.7
22°	8574.8	8330.5	8127.6	7895.7	7371.8	6717.5	6275.4	5763.9	5166.4	4707.9	4345.4
23°	9559.6	9283.0	9039.8	8757.1	8151.4	7393.6	6868.6	6258.7	5539.1	4968.7	4520.4
24°	10499.6	10212.8	9933.2	9561.6	8868.0	8030.3	7413.1	6718.5	5894.3	5219.3	4685.1
25°	11512.3	11176.8	10815.4	10250.1	9545.0	8597.7	7887.4	7118.2	6210.2	5450.1	4823.7
26°	12520.7	12129.2	11587.8	11012.1	10169.3	9109.0	8299.5	7442.2	6479.3	5635.4	4926.3
27°	13467.0	13047.6	12412.0	11624.0	10729.5	9547.1	8639.2	7699.0	6666.7	5755.6	4973.9
28°	14276.7	13814.8	13106.7	12209.1	11146.7	9869.1	8863.7	7850.1	6756.8	5801.1	4980.1
29°	14809.9	14349.1	13586.0	12589.0	11382.8	10028.6	8952.8	7883.2	6751.7	5774.2	4937.6
30°	15027.3	14562.4	13782.7	12713.2	11427.3	10031.6	8916.5	7813.9	6661.5	5689.4	4853.8
31°	14899.9	14453.7	13662.7	12585.9	11270.0	9886.8	8764.4	7638.9	6482.4	5539.1	4728.6
32°	14429.9	14021.0	13260.9	12235.9	10945.9	9595.8	8502.4	7380.0	6229.7	5343.5	4572.2
33°	13713.4	13372.7	12596.3	11650.9	10513.2	9238.6	8183.6	7117.1	5925.4	5104.3	4405.4
34°	13026.9	12523.8	11835.2	10995.5	9958.2	8774.8	7788.0	6703.0	5602.4	4841.3	4215.0
35°	12048.5	11598.2	10962.4	10243.9	9312.1	8208.4	7221.8	6299.2	5241.1	4587.8	4015.2
36°	11016.3	10619.6	10158.0	9513.9	8622.5	7617.2	6714.3	5803.3	4869.3	4305.0	3803.9
37°	9755.2	9666.2	9236.4	8699.2	7903.0	6974.2	6125.3	5337.3	4521.5	4044.1	3572.0
38°	9010.8	8718.8	8325.3	7852.2	7071.5	6328.1	5556.8	4869.3	4205.7	3799.7	3307.9
39°	8063.4	7817.0	7454.6	7029.2	6357.1	5655.2	5027.8	4479.1	3944.8	3553.4	3023.3
40°	7152.3	6947.3	6614.9	6249.5	5639.7	5061.9	4571.2	4135.2	3685.9	3290.5	2741.6
42.5°	4510.1	4408.6	4272.0	4222.3	4003.8	3853.6	3674.5	3422.8	3027.4	2582.1	2199.2
45°	2288.1	2222.9	2220.9	2322.3	2391.7	2399.0	2382.3	2318.2	2061.4	1934.0	1593.5
47.5°	385.1	366.5	377.9	446.3	542.6	659.6	790.0	950.5	1122.3	1086.1	836.6
50°	127.4	123.1	120.1	123.1	119.1	122.2	120.1	117.0	105.7	110.9	113.9
51°	78.7	83.9	80.7	82.9	81.7	84.9	84.9	83.9	76.6	71.4	65.2
52°	53.9	54.9	56.0	57.0	56.0	57.0	57.9	57.9	56.0	53.9	48.7
53°	38.3	38.3	39.4	39.4	39.4	40.5	40.5	40.5	39.4	39.4	38.3
54°	26.9	28.0	28.0	28.0	28.0	29.0	29.0	29.0	30.0	29.0	29.0
55°	19.7	19.7	19.7	19.7	19.7	19.7	20.7	20.7	21.7	21.7	20.7
57.5°	8.2	8.2	7.3	8.2	8.2	8.2	8.2	9.3	9.3	10.3	10.3
60°	4.2	4.2	4.2	4.2	3.0	4.2	4.2	4.2	4.2	5.2	5.2

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	2.1	2.1	2.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
64°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0
66°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	165.7	167.8	164.6	166.6	162.6	162.6	159.4	160.6	159.4	157.4	157.4
5°	200.8	200.8	195.6	195.6	189.5	186.4	181.2	181.2	178.0	172.8	171.8
7.5°	275.4	265.0	253.7	249.5	237.1	228.8	219.5	215.4	206.0	197.8	191.6
10°	737.2	668.8	601.5	560.1	458.6	385.1	330.2	293.0	266.0	234.0	221.5
11°	1039.5	952.5	864.4	778.5	679.1	578.8	515.5	416.2	353.1	281.5	247.5
12°	1366.7	1264.1	1157.5	1060.3	941.1	814.8	727.9	601.5	512.5	393.4	310.6
13°	1702.2	1586.2	1458.8	1357.3	1222.8	1077.8	941.1	824.2	713.3	558.1	436.9
14°	2025.2	1902.0	1762.2	1655.5	1504.4	1347.0	1192.7	1063.3	928.7	743.4	594.3
15°	2313.1	2225.0	2047.9	1942.4	1779.9	1612.0	1440.2	1301.5	1142.0	935.9	764.1
17.5°	2915.5	2753.0	2536.7	2432.0	2270.6	2125.6	1939.2	1814.0	1617.2	1399.7	1210.4
20°	3625.9	3386.7	3093.7	2873.1	2593.6	2338.9	2103.8	2005.4	1883.3	1735.3	1558.2
21°	3820.4	3562.7	3242.7	3018.1	2731.2	2469.4	2192.9	2036.5	1903.0	1774.7	1626.6
22°	3962.3	3690.0	3353.6	3119.6	2824.4	2564.6	2281.9	2094.6	1916.5	1771.5	1638.0
23°	4082.4	3792.5	3442.6	3187.8	2879.3	2611.1	2327.5	2141.0	1944.4	1764.3	1619.3
24°	4191.1	3873.4	3505.7	3232.4	2907.3	2627.8	2333.8	2149.5	1957.9	1768.4	1594.5
25°	4272.9	3924.0	3541.9	3255.2	2913.6	2622.6	2319.3	2134.0	1942.4	1754.9	1566.6
26°	4328.9	3947.8	3552.4	3254.2	2901.1	2601.9	2289.1	2101.8	1905.1	1706.2	1520.9
27°	4346.5	3941.6	3537.9	3230.3	2870.1	2561.4	2238.4	2040.7	1847.0	1648.3	1459.8
28°	4328.9	3916.8	3504.7	3183.8	2818.3	2495.2	2156.6	1960.0	1785.1	1584.0	1385.3
29°	4280.2	3872.2	3443.5	3114.4	2736.4	2387.5	2052.1	1882.3	1713.6	1486.8	1260.1
30°	4204.6	3791.5	3355.7	3012.9	2615.3	2251.9	1957.9	1810.8	1595.5	1329.4	1085.0
31°	4099.0	3686.9	3241.7	2878.3	2453.8	2119.3	1876.1	1677.2	1411.2	1121.2	871.7
32°	3970.6	3562.7	3076.1	2699.2	2294.3	2014.8	1731.2	1473.4	1178.2	875.0	635.6
33°	3832.9	3403.3	2886.6	2510.8	2157.7	1875.0	1522.0	1221.7	917.4	615.0	400.7
34°	3673.5	3207.6	2674.4	2321.3	2004.4	1664.9	1273.5	949.4	654.4	373.7	206.0
35°	3481.0	2966.3	2463.1	2157.7	1785.1	1386.4	1001.1	711.4	410.1	188.3	111.8
36°	3247.9	2717.9	2279.9	1947.5	1528.3	1113.0	722.6	453.5	220.6	110.9	88.0
37°	2951.8	2513.9	2087.3	1697.0	1250.8	835.5	465.9	246.5	126.4	90.1	74.5
38°	2696.1	2325.4	1881.3	1423.7	963.9	572.5	282.7	138.8	99.4	75.6	62.2
39°	2475.5	2123.6	1611.1	1135.8	687.4	346.8	155.4	105.7	82.9	62.2	52.7
40°	2282.9	1835.7	1325.3	852.2	442.1	192.6	111.8	88.0	67.3	51.8	42.4
42.5°	1675.2	1164.7	613.9	275.4	129.4	96.2	70.4	56.0	43.5	32.0	26.9
45°	995.1	524.0	185.3	112.8	81.7	61.2	44.5	35.3	26.9	19.7	16.5
47.5°	363.4	132.6	91.1	68.3	51.8	38.3	28.0	21.7	16.5	11.4	9.3
50°	74.5	64.2	49.7	40.5	30.0	22.8	16.5	12.5	9.3	7.3	6.2
51°	57.0	49.7	40.5	32.0	23.8	18.7	13.5	10.3	8.2	6.2	5.2
52°	43.5	38.3	31.0	25.9	19.7	14.5	10.3	8.2	6.2	4.2	4.2
53°	34.2	30.0	23.8	19.7	15.5	11.4	8.2	6.2	5.2	4.2	4.2
54°	25.9	22.8	18.7	15.5	12.5	9.3	6.2	5.2	4.2	4.2	3.0
55°	18.7	17.7	14.5	11.4	9.3	7.3	5.2	4.2	4.2	3.0	3.0
57.5°	9.3	8.2	7.3	6.2	5.2	4.2	3.0	3.0	3.0	3.0	2.1
60°	5.2	4.2	4.2	4.2	3.0	3.0	3.0	2.1	2.1	3.0	3.0



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CATALOG NUMBER: LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.1	2.1	2.1	2.1	3.0	2.1	2.1	2.1	3.0	3.0	3.0
64°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
65°	1.0	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
66°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
75°	1.0	1.0	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
77.5°	1.0	1.0	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
80°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
82.5°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0
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

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219609

CATALOG NUMBER: LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	154.3	156.3	154.3	152.2	151.1	151.1	150.1	147.1	148.1	147.1	147.1
5°	166.6	167.8	163.6	160.6	158.4	156.3	154.3	150.1	149.1	148.1	147.1
7.5°	183.2	182.3	173.9	168.8	163.6	159.4	155.4	150.1	148.1	144.9	142.9
10°	207.1	199.8	186.4	177.1	169.8	161.5	155.4	147.1	142.9	138.8	135.6
11°	217.4	207.1	193.5	181.2	171.8	162.6	155.4	144.9	139.8	135.6	131.5
12°	249.5	221.5	199.8	186.4	173.9	163.6	154.3	143.9	137.7	131.5	127.4
13°	323.0	257.8	213.3	189.5	177.1	164.6	153.3	141.9	134.6	127.4	123.1
14°	443.1	331.2	246.5	200.8	178.0	164.6	152.2	139.8	131.5	124.2	119.1
15°	587.0	445.1	313.7	228.8	182.3	163.6	150.1	136.7	127.4	119.1	113.9
17.5°	988.8	803.5	602.6	428.6	265.0	179.1	141.9	126.4	114.9	105.7	99.4
20°	1325.3	1112.0	885.2	668.8	458.6	285.8	163.6	114.9	101.4	91.1	84.9
21°	1398.7	1198.9	958.8	732.1	514.6	331.2	185.3	114.9	96.2	85.9	79.7
22°	1437.1	1244.6	1004.3	773.4	553.0	363.4	208.1	116.0	91.1	80.7	73.5
23°	1430.9	1254.9	1021.9	785.8	570.4	379.0	217.4	117.0	85.9	75.6	68.3
24°	1393.6	1226.9	1004.3	771.4	565.2	374.8	214.3	114.9	80.7	70.4	64.2
25°	1347.0	1172.0	956.7	732.1	532.2	348.9	198.8	107.6	76.6	66.2	60.0
26°	1294.3	1117.2	890.4	662.6	478.3	305.4	167.8	95.3	70.4	61.2	56.0
27°	1231.0	1045.7	808.7	589.2	403.8	246.5	134.6	80.7	65.2	56.0	51.8
28°	1136.9	944.3	704.1	491.8	323.0	186.4	101.4	69.4	60.0	51.8	47.6
29°	996.0	801.3	573.7	384.2	237.1	128.3	77.7	62.2	53.9	46.5	43.5
30°	820.0	633.7	425.6	264.1	152.2	86.9	63.1	54.9	47.6	42.4	40.5
31°	621.2	450.3	275.4	152.2	91.1	64.2	56.0	47.6	42.4	38.3	37.2
32°	410.1	272.3	145.9	88.0	66.2	56.0	48.7	42.4	38.3	35.3	34.2
33°	219.5	125.3	83.9	66.2	56.0	48.7	42.4	37.2	34.2	32.0	31.0
34°	111.8	81.7	68.3	57.0	47.6	42.4	37.2	33.2	31.0	29.0	28.0
35°	82.9	70.4	59.0	48.7	41.4	37.2	33.2	30.0	28.0	25.9	25.9
36°	70.4	59.0	48.7	42.4	37.2	33.2	30.0	25.9	24.8	23.8	22.8
37°	59.0	50.8	42.4	36.2	32.0	29.0	25.9	23.8	21.7	20.7	20.7
38°	49.7	43.5	36.2	31.0	28.0	25.9	22.8	20.7	19.7	18.7	18.7
39°	41.4	36.2	31.0	26.9	23.8	21.7	19.7	18.7	17.7	16.5	16.5
40°	34.2	31.0	25.9	22.8	20.7	18.7	17.7	16.5	15.5	14.5	15.5
42.5°	21.7	18.7	16.5	15.5	13.5	13.5	12.5	11.4	11.4	11.4	11.4
45°	12.5	11.4	10.3	10.3	9.3	9.3	9.3	8.2	9.3	9.3	9.3
47.5°	7.3	7.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.3	7.3
50°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2
51°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2
52°	4.2	4.2	4.2	3.0	3.0	3.0	3.0	3.0	4.2	4.2	4.2
53°	3.0	4.2	3.0	3.0	3.0	3.0	3.0	3.0	4.2	4.2	4.2
54°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2	4.2
55°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2	4.2
57.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2
60°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2



TEST NUMBER: P1219609

CATALOG NUMBER: LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.0	3.0	3.0	3.0	3.0	4.2	3.0	3.0	3.0	4.2	4.2
64°	3.0	3.0	3.0	3.0	3.0	4.2	3.0	3.0	3.0	3.0	4.2
65°	3.0	3.0	4.2	4.2	4.2	4.2	3.0	3.0	3.0	3.0	4.2
66°	3.0	3.0	4.2	4.2	4.2	4.2	4.2	3.0	3.0	4.2	4.2
67.5°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	3.0	4.2	4.2	4.2
70°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
72.5°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
77.5°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	3.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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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TEST NUMBER: P1219609

CATALOG NUMBER: LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	143.9	142.9	141.9	141.9	133.6	129.4	124.2	124.2
5°	141.9	140.8	138.8	136.7	123.1	117.0	110.9	109.7
7.5°	137.7	134.6	131.5	129.4	112.8	105.7	99.4	98.4
10°	129.4	125.3	122.2	120.1	102.4	95.3	90.1	90.1
11°	125.3	121.2	118.0	114.9	97.3	91.1	86.9	86.9
12°	121.2	117.0	112.8	110.9	93.2	88.0	83.9	82.9
13°	117.0	111.8	108.7	105.7	89.1	83.9	80.7	80.7
14°	112.8	107.6	103.6	100.5	84.9	79.7	77.7	77.7
15°	106.6	101.4	98.4	95.3	79.7	76.6	74.5	75.6
17.5°	92.1	88.0	84.9	81.7	69.4	68.3	68.3	69.4
20°	78.7	74.5	71.4	69.4	60.0	61.2	62.2	64.2
21°	73.5	69.4	66.2	64.2	57.0	57.9	60.0	62.2
22°	68.3	65.2	62.2	60.0	53.9	54.9	57.9	60.0
23°	63.1	60.0	57.9	56.0	50.8	52.7	56.0	57.9
24°	59.0	56.0	53.9	51.8	47.6	49.7	53.9	56.0
25°	54.9	51.8	49.7	48.7	44.5	47.6	51.8	53.9
26°	50.8	48.7	46.5	45.6	42.4	45.6	49.7	52.7
27°	46.5	44.5	43.5	42.4	39.4	43.5	47.6	50.8
28°	43.5	41.4	40.5	39.4	37.2	41.4	46.5	48.7
29°	40.5	38.3	37.2	36.2	35.3	39.4	44.5	47.6
30°	37.2	36.2	34.2	34.2	33.2	38.3	42.4	45.6
31°	34.2	33.2	32.0	31.0	31.0	36.2	41.4	44.5
32°	32.0	31.0	30.0	29.0	30.0	34.2	39.4	43.5
33°	29.0	28.0	28.0	26.9	28.0	33.2	38.3	42.4
34°	25.9	25.9	24.8	24.8	26.9	32.0	37.2	40.5
35°	23.8	22.8	22.8	22.8	25.9	30.0	36.2	39.4
36°	21.7	21.7	20.7	20.7	24.8	29.0	35.3	38.3
37°	19.7	19.7	19.7	18.7	22.8	28.0	33.2	37.2
38°	17.7	17.7	17.7	17.7	21.7	26.9	33.2	37.2
39°	15.5	15.5	16.5	16.5	20.7	25.9	31.0	36.2
40°	14.5	14.5	14.5	14.5	19.7	24.8	30.0	35.3
42.5°	11.4	11.4	12.5	12.5	17.7	22.8	28.0	32.0
45°	9.3	9.3	10.3	10.3	15.5	20.7	24.8	30.0
47.5°	7.3	7.3	8.2	8.2	13.5	18.7	22.8	26.9
50°	5.2	6.2	6.2	7.3	12.5	16.5	19.7	23.8
51°	5.2	5.2	6.2	6.2	11.4	15.5	18.7	22.8
52°	5.2	5.2	6.2	6.2	10.3	14.5	17.7	20.7
53°	4.2	5.2	5.2	6.2	10.3	14.5	16.5	19.7
54°	4.2	4.2	5.2	5.2	10.3	13.5	16.5	17.7
55°	4.2	4.2	5.2	5.2	9.3	13.5	15.5	16.5
57.5°	4.2	4.2	4.2	4.2	8.2	11.4	13.5	13.5
60°	4.2	4.2	4.2	4.2	8.2	10.3	12.5	9.3

Cooper Lighting Solutions Photometric Lab

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TEST NUMBER: P1219609

CATALOG NUMBER: LDSQA6A30950D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.2	4.2	4.2	4.2	7.3	9.3	9.3	7.3
64°	4.2	4.2	4.2	4.2	7.3	9.3	9.3	7.3
65°	4.2	4.2	4.2	4.2	7.3	8.2	8.2	6.2
66°	4.2	4.2	4.2	4.2	7.3	8.2	8.2	6.2
67.5°	4.2	4.2	4.2	4.2	6.2	7.3	7.3	6.2
70°	4.2	4.2	4.2	4.2	6.2	7.3	6.2	5.2
72.5°	4.2	4.2	4.2	4.2	6.2	6.2	5.2	4.2
75°	4.2	4.2	4.2	4.2	5.2	5.2	4.2	4.2
77.5°	4.2	4.2	4.2	4.2	5.2	5.2	4.2	3.0
80°	4.2	4.2	4.2	4.2	5.2	4.2	3.0	2.1
82.5°	4.2	4.2	4.2	4.2	4.2	3.0	2.1	2.1
85°	4.2	4.2	4.2	4.2	4.2	3.0	2.1	1.0
87.5°	4.2	4.2	4.2	4.2	4.2	3.0	1.0	1.0
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





— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report



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Scaled Data Report





61°	4.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2	4.2
62°	3.0	3.0	3.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

Classified

Cooper Lighting Solutions Photometric Lab

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Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



61°	4.2	3.0	3.0	3.0	3.0	3.0	3.0	2.1	2.1	3.0	3.0
62°	3.0	3.0	3.0	3.0	3.0	3.0	2.1	2.1	2.1	3.0	3.0

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Scaled Data Report





61°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2
62°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

Classified

Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	4.2	4.2	4.2	4.2	7.3	10.3	11.4	8.2
62°	4.2	4.2	4.2	4.2	7.3	9.3	10.3	7.3

Classified

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)