

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: P1212532

Luminaire Tested: **LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212532
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: LDSQA6A35935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

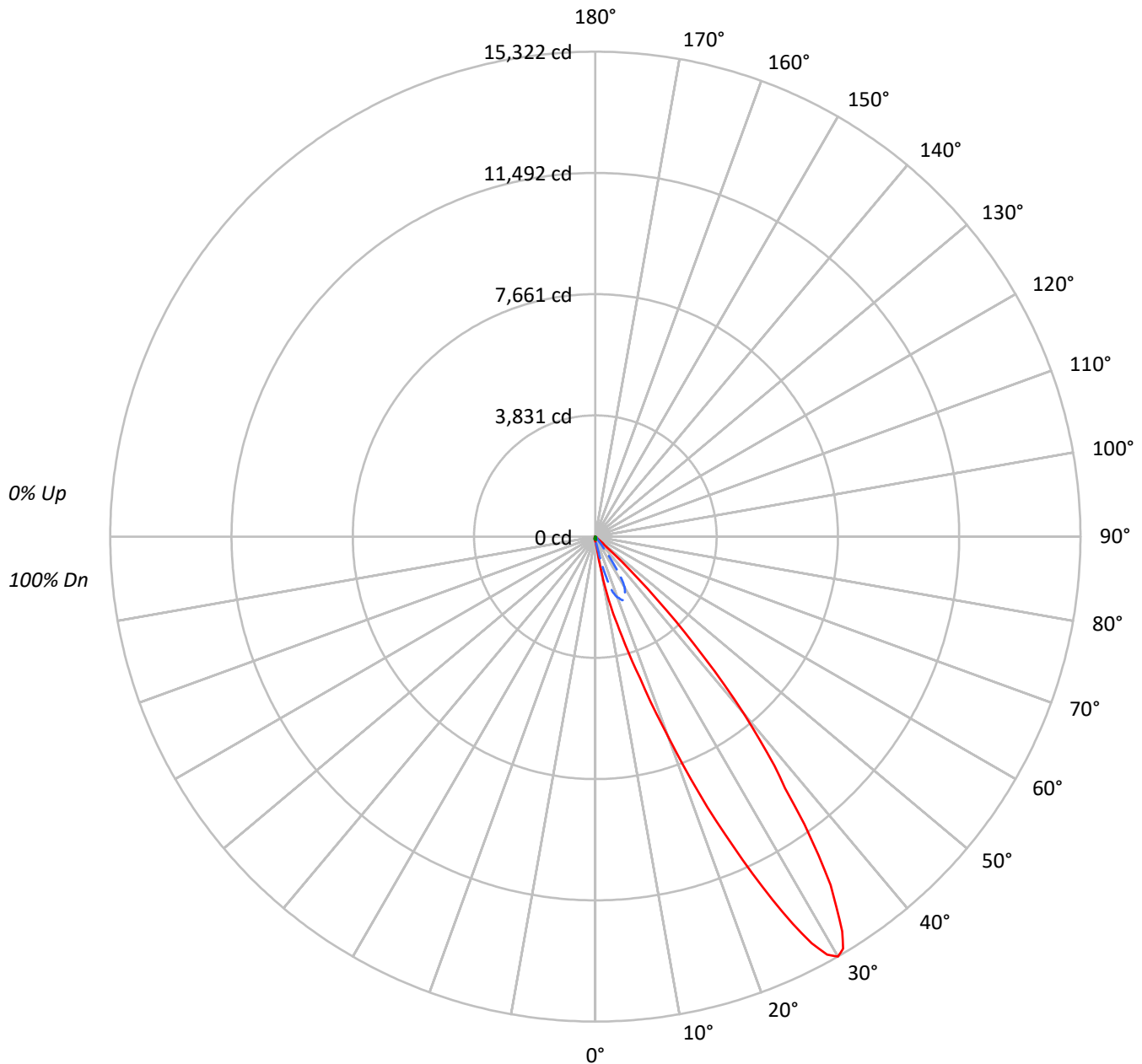
Lumens per Lamp: N/A
Luminaire Lumens: 2253.9 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1212532

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	6364	6364	6364
5°	9811	6021	4841
10°	52617	5351	4013
15°	145072	4333	3432
20°	308059	3239	3001
25°	557614	2361	2608
30°	761735	1735	2307
35°	645689	1219	2108
40°	409865	832	2012
45°	142056	645	1863
50°	8694	496	1628
55°	1501	390	1269
60°	353	353	818
65°	224	418	642
70°	277	516	655
75°	0	682	682
80°	0	1017	545
85°	0	2025	543

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.8
10°-20°	231.8	10.3
20°-30°	805.5	35.7
30°-40°	883.1	39.2
40°-50°	291.2	12.9
50°-60°	12.1	0.5
60°-70°	5.2	0.2
70°-80°	4.0	0.2
80°-90°	2.7	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°	1055.7	46.8
0°-40°	1938.7	86.0
0°-60°	2242.0	99.5
0°-90°	2253.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2253.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	148	148	148	148	148	
5°	227	185	139	119	112	48
15°	3255	1327	97	78	77	1082
25°	11738	2176	50	49	55	5493
35°	12284	725	23	31	40	7384
45°	2333	36	11	21	31	2055
55°	20	4	5	14	17	29
65°	2	3	4	8	6	3
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°	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
2.5°	175.3	174.2	174.2	174.2	173.2	171.0	171.0	172.1	172.1	171.0	172.1
5°	227.0	224.8	223.7	222.7	218.5	217.4	213.3	216.4	213.3	210.1	210.1
7.5°	416.0	414.9	396.9	385.4	365.2	342.0	335.7	336.8	322.0	308.2	299.9
10°	1203.5	1205.5	1152.7	1174.0	1097.8	1067.2	1009.3	988.0	935.3	891.0	837.2
11°	1609.9	1607.8	1541.2	1561.3	1484.3	1440.9	1375.6	1341.7	1275.3	1230.8	1163.3
12°	2048.9	1984.7	1962.4	1981.4	1902.2	1845.2	1766.2	1722.8	1640.5	1595.2	1513.8
13°	2484.0	2464.9	2390.9	2408.9	2327.8	2203.2	2170.4	2118.6	2022.7	1968.8	1877.9
14°	2860.7	2791.1	2767.9	2779.6	2699.3	2581.0	2548.3	2532.4	2384.6	2326.7	2225.3
15°	3254.6	3170.2	3137.4	3094.0	3046.5	2906.1	2858.8	2828.0	2675.0	2578.0	2512.4
17.5°	4685.9	4566.8	4486.5	4388.2	4283.8	4024.1	3916.4	3814.0	3545.8	3417.1	3222.9
20°	6723.4	6540.8	6334.9	6121.6	5917.0	5458.7	5192.6	4907.7	4541.4	4235.2	4003.0
21°	7709.4	7490.9	7242.8	7082.3	6697.1	6137.5	5778.5	5372.1	4901.4	4522.3	4230.0
22°	8742.8	8493.7	8286.8	8050.3	7516.3	6849.0	6398.3	5876.8	5267.7	4800.1	4430.5
23°	9746.8	9464.9	9216.9	8928.5	8311.1	7538.4	7003.1	6381.4	5647.7	5066.1	4608.9
24°	10705.3	10412.8	10127.9	9748.8	9041.6	8187.5	7558.4	6850.1	6009.8	5321.5	4776.8
25°	11737.6	11395.6	11027.2	10450.8	9731.9	8766.0	8041.9	7257.6	6331.7	5557.0	4918.3
26°	12766.0	12366.9	11814.7	11227.9	10368.5	9287.5	8462.0	7587.9	6606.2	5745.8	5022.7
27°	13730.8	13303.3	12655.1	11851.7	10939.7	9734.0	8808.3	7849.8	6797.3	5868.4	5071.3
28°	14556.2	14085.4	13363.4	12448.1	11365.0	10062.4	9037.4	8003.9	6889.1	5914.8	5077.6
29°	15099.8	14630.2	13852.1	12835.6	11605.7	10224.9	9128.2	8037.7	6883.9	5887.3	5034.4
30°	15321.6	14847.7	14052.8	12962.2	11651.0	10228.1	9091.3	7967.0	6791.9	5800.7	4948.9
31°	15191.8	14736.8	13930.2	12832.4	11490.7	10080.4	8936.1	7788.6	6609.4	5647.7	4821.1
32°	14712.5	14295.4	13520.7	12475.6	11160.2	9783.7	8669.0	7524.5	6351.8	5448.2	4661.6
33°	13982.0	13634.6	12843.0	11879.1	10719.0	9419.6	8343.7	7256.5	6041.5	5204.3	4491.7
34°	13282.0	12769.0	12067.0	11210.9	10153.1	8946.5	7940.5	6834.2	5712.1	4936.1	4297.5
35°	12284.5	11825.3	11177.1	10444.5	9494.5	8369.1	7363.1	6422.6	5343.7	4677.5	4093.7
36°	11232.0	10827.7	10356.8	9700.4	8791.4	7766.3	6845.8	5917.0	4964.8	4389.3	3878.5
37°	9946.3	9855.5	9417.4	8869.5	8057.7	7110.7	6245.1	5441.8	4610.0	4123.3	3641.9
38°	9187.2	8889.5	8488.4	8006.0	7210.1	6452.1	5665.7	4964.8	4288.0	3874.1	3372.8
39°	8221.3	7970.0	7600.7	7166.7	6481.6	5765.9	5126.2	4566.8	4021.9	3623.0	3082.5
40°	7292.3	7083.4	6744.4	6371.8	5750.1	5161.0	4660.7	4216.3	3758.0	3354.8	2795.4
42.5°	4598.5	4495.0	4355.6	4304.9	4082.2	3929.0	3746.5	3490.0	3086.6	2632.9	2242.3
45°	2333.0	2266.4	2264.4	2367.7	2438.5	2445.8	2429.1	2363.6	2101.9	1971.9	1624.7
47.5°	392.8	373.7	385.4	455.0	553.1	672.5	805.5	969.1	1144.3	1107.4	853.0
50°	129.8	125.6	122.4	125.6	121.3	124.6	122.4	119.3	107.6	113.0	116.1
51°	80.3	85.5	82.3	84.4	83.3	86.6	86.6	85.5	78.1	72.9	66.4
52°	54.9	56.0	57.1	58.1	57.1	58.1	59.0	59.0	57.1	54.9	49.7
53°	39.1	39.1	40.1	40.1	40.1	41.2	41.2	41.2	40.1	40.1	39.1
54°	27.4	28.4	28.4	28.4	28.4	29.5	29.5	29.5	30.6	29.5	29.5
55°	20.0	20.0	20.0	20.0	20.0	20.0	21.1	21.1	22.1	22.1	21.1
57.5°	8.5	8.5	7.4	8.5	8.5	8.5	8.5	9.5	9.5	10.6	10.6
60°	4.1	4.1	4.1	4.1	3.2	4.1	4.1	4.1	4.1	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°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2
64°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
66°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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

Cooper Lighting Solutions Photometric Lab

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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°	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
2.5°	168.8	171.0	167.8	169.9	165.8	165.8	162.5	163.6	162.5	160.4	160.4
5°	204.8	204.8	199.4	199.4	193.1	190.1	184.7	184.7	181.6	176.2	175.3
7.5°	280.8	270.2	258.7	254.3	241.7	233.3	223.7	219.6	210.1	201.6	195.3
10°	751.7	682.0	613.3	571.1	467.6	392.8	336.8	298.8	271.3	238.5	225.9
11°	1059.8	971.3	881.5	793.8	692.5	590.0	525.8	424.4	360.0	287.1	252.4
12°	1393.4	1289.0	1180.3	1080.9	959.6	830.9	742.1	613.3	522.5	401.2	316.6
13°	1735.6	1617.3	1487.3	1384.0	1246.7	1098.9	959.6	840.2	727.4	569.0	445.5
14°	2064.8	1939.1	1796.8	1688.0	1533.8	1373.4	1216.1	1084.1	947.0	758.0	605.9
15°	2358.4	2268.5	2088.0	1980.4	1814.6	1643.6	1468.4	1327.0	1164.4	954.4	779.0
17.5°	2972.7	2806.9	2586.2	2479.7	2315.0	2167.2	1977.3	1849.5	1649.0	1427.2	1234.1
20°	3696.8	3452.9	3154.3	2929.3	2644.4	2384.6	2145.1	2044.8	1920.2	1769.2	1588.7
21°	3895.4	3632.4	3306.2	3077.3	2784.8	2517.7	2235.8	2076.5	1940.2	1809.4	1658.3
22°	4039.9	3762.4	3419.3	3180.6	2879.8	2614.9	2326.7	2135.5	1954.1	1806.1	1670.0
23°	4162.3	3866.8	3510.0	3250.3	2935.8	2662.4	2373.1	2183.0	1982.5	1798.7	1651.0
24°	4273.2	3949.2	3574.4	3295.8	2964.2	2679.3	2379.4	2191.5	1996.2	1803.1	1625.8
25°	4356.7	4000.9	3611.3	3319.0	2970.5	2673.9	2364.7	2175.7	1980.4	1789.4	1597.1
26°	4413.6	4025.2	3622.0	3317.9	2957.9	2652.8	2334.1	2142.9	1942.4	1739.7	1550.7
27°	4431.6	4018.9	3607.2	3293.6	2926.3	2611.6	2282.2	2080.6	1883.3	1680.7	1488.4
28°	4413.6	3993.5	3573.4	3246.1	2873.5	2544.1	2198.9	1998.4	1820.0	1615.1	1412.5
29°	4364.1	3948.1	3511.1	3175.4	2790.0	2434.3	2092.3	1919.2	1747.1	1516.0	1284.7
30°	4286.9	3865.7	3421.3	3071.9	2666.5	2296.1	1996.2	1846.3	1626.7	1355.4	1106.3
31°	4179.2	3759.1	3305.2	2934.7	2501.8	2160.9	1912.9	1710.2	1438.9	1143.2	888.8
32°	4048.4	3632.4	3136.3	2752.0	2339.3	2054.3	1765.1	1502.1	1201.3	892.1	648.2
33°	3908.0	3469.9	2943.2	2560.0	2200.0	1911.8	1551.8	1245.6	935.3	627.1	408.6
34°	3745.4	3270.4	2726.6	2366.8	2043.7	1697.4	1298.5	968.0	667.1	381.1	210.1
35°	3549.1	3024.4	2511.4	2200.0	1820.0	1413.5	1020.8	725.2	418.0	192.1	113.9
36°	3311.5	2771.1	2324.5	1985.6	1558.1	1134.9	736.9	462.4	224.8	113.0	89.6
37°	3009.6	2563.0	2128.1	1730.2	1275.3	851.9	475.0	251.3	128.7	91.8	76.0
38°	2749.0	2371.0	1918.1	1451.5	982.8	583.7	288.2	141.5	101.3	77.0	63.4
39°	2524.0	2165.0	1642.5	1158.1	700.9	353.7	158.4	107.6	84.4	63.4	53.8
40°	2327.8	1871.6	1351.3	868.9	450.7	196.4	113.9	89.6	68.6	52.7	43.2
42.5°	1708.0	1187.6	626.0	280.8	131.9	98.1	71.8	57.1	44.3	32.8	27.4
45°	1014.5	534.2	189.0	115.0	83.3	62.3	45.4	35.8	27.4	20.0	16.9
47.5°	370.6	135.2	92.9	69.7	52.7	39.1	28.4	22.1	16.9	11.7	9.5
50°	76.0	65.5	50.8	41.2	30.6	23.2	16.9	12.6	9.5	7.4	6.3
51°	58.1	50.8	41.2	32.8	24.3	19.1	13.7	10.6	8.5	6.3	5.2
52°	44.3	39.1	31.7	26.5	20.0	14.8	10.6	8.5	6.3	4.1	4.1
53°	34.9	30.6	24.3	20.0	15.8	11.7	8.5	6.3	5.2	4.1	4.1
54°	26.5	23.2	19.1	15.8	12.6	9.5	6.3	5.2	4.1	4.1	3.2
55°	19.1	18.0	14.8	11.7	9.5	7.4	5.2	4.1	4.1	3.2	3.2
57.5°	9.5	8.5	7.4	6.3	5.2	4.1	3.2	3.2	3.2	3.2	2.2
60°	5.2	4.1	4.1	4.1	3.2	3.2	3.2	2.2	2.2	3.2	3.2



TEST NUMBER: P1212532

CATALOG NUMBER: LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2
64°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
65°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
66°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
75°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
77.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
80°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
82.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
87.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
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

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212532

CATALOG NUMBER: LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
2.5°	157.3	159.5	157.3	155.2	154.1	154.1	153.0	149.9	151.0	149.9	149.9
5°	169.9	171.0	166.9	163.6	161.5	159.5	157.3	153.0	152.1	151.0	149.9
7.5°	186.8	185.8	177.3	172.1	166.9	162.5	158.4	153.0	151.0	147.8	145.6
10°	211.1	203.8	190.1	180.5	173.2	164.7	158.4	149.9	145.6	141.5	138.2
11°	221.8	211.1	197.5	184.7	175.3	165.8	158.4	147.8	142.6	138.2	134.1
12°	254.3	225.9	203.8	190.1	177.3	166.9	157.3	146.7	140.4	134.1	129.8
13°	329.4	262.8	217.4	193.1	180.5	167.8	156.2	144.5	137.2	129.8	125.6
14°	451.8	337.9	251.3	204.8	181.6	167.8	155.2	142.6	134.1	126.7	121.3
15°	598.5	454.0	319.9	233.3	185.8	166.9	153.0	139.3	129.8	121.3	116.1
17.5°	1008.2	819.2	614.3	437.0	270.2	182.7	144.5	128.7	117.2	107.6	101.3
20°	1351.3	1133.8	902.5	682.0	467.6	291.4	166.9	117.2	103.5	92.9	86.6
21°	1426.1	1222.4	977.6	746.3	524.7	337.9	189.0	117.2	98.1	87.7	81.4
22°	1465.2	1268.8	1024.0	788.6	563.8	370.6	212.2	118.3	92.9	82.3	74.9
23°	1458.9	1279.4	1041.8	801.2	581.6	386.3	221.8	119.3	87.7	77.0	69.7
24°	1420.9	1251.0	1024.0	786.4	576.4	382.1	218.5	117.2	82.3	71.8	65.5
25°	1373.4	1195.0	975.4	746.3	542.5	355.7	202.7	109.8	78.1	67.5	61.2
26°	1319.6	1139.0	907.9	675.5	487.6	311.4	171.0	97.2	71.8	62.3	57.1
27°	1255.1	1066.1	824.4	600.7	411.7	251.3	137.2	82.3	66.4	57.1	52.7
28°	1159.0	962.8	717.8	501.5	329.4	190.1	103.5	70.7	61.2	52.7	48.6
29°	1015.6	817.0	584.8	391.7	241.7	130.9	79.2	63.4	54.9	47.5	44.3
30°	836.1	646.0	433.8	269.1	155.2	88.7	64.4	56.0	48.6	43.2	41.2
31°	633.4	459.2	280.8	155.2	92.9	65.5	57.1	48.6	43.2	39.1	38.0
32°	418.0	277.6	148.9	89.6	67.5	57.1	49.7	43.2	39.1	35.8	34.9
33°	223.7	127.8	85.5	67.5	57.1	49.7	43.2	38.0	34.9	32.8	31.7
34°	113.9	83.3	69.7	58.1	48.6	43.2	38.0	33.8	31.7	29.5	28.4
35°	84.4	71.8	60.1	49.7	42.3	38.0	33.8	30.6	28.4	26.5	26.5
36°	71.8	60.1	49.7	43.2	38.0	33.8	30.6	26.5	25.4	24.3	23.2
37°	60.1	51.7	43.2	36.9	32.8	29.5	26.5	24.3	22.1	21.1	21.1
38°	50.8	44.3	36.9	31.7	28.4	26.5	23.2	21.1	20.0	19.1	19.1
39°	42.3	36.9	31.7	27.4	24.3	22.1	20.0	19.1	18.0	16.9	16.9
40°	34.9	31.7	26.5	23.2	21.1	19.1	18.0	16.9	15.8	14.8	15.8
42.5°	22.1	19.1	16.9	15.8	13.7	13.7	12.6	11.7	11.7	11.7	11.7
45°	12.6	11.7	10.6	10.6	9.5	9.5	9.5	8.5	9.5	9.5	9.5
47.5°	7.4	7.4	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.4	7.4
50°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2	5.2
51°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
52°	4.1	4.1	4.1	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
53°	3.2	4.1	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
54°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1
55°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1
57.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1



TEST NUMBER: P1212532

CATALOG NUMBER: LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.2	3.2	3.2	3.2	3.2	4.1	3.2	3.2	3.2	4.1	4.1
64°	3.2	3.2	3.2	3.2	3.2	4.1	3.2	3.2	3.2	3.2	4.1
65°	3.2	3.2	4.1	4.1	4.1	4.1	3.2	3.2	3.2	3.2	4.1
66°	3.2	3.2	4.1	4.1	4.1	4.1	4.1	3.2	3.2	4.1	4.1
67.5°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	3.2	4.1	4.1	4.1
70°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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

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TEST NUMBER: P1212532

CATALOG NUMBER: LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8
2.5°	146.7	145.6	144.5	144.5	136.3	131.9	126.7	126.7
5°	144.5	143.6	141.5	139.3	125.6	119.3	113.0	112.0
7.5°	140.4	137.2	134.1	131.9	115.0	107.6	101.3	100.3
10°	131.9	127.8	124.6	122.4	104.6	97.2	91.8	91.8
11°	127.8	123.5	120.4	117.2	99.2	92.9	88.7	88.7
12°	123.5	119.3	115.0	113.0	95.0	89.6	85.5	84.4
13°	119.3	113.9	110.9	107.6	90.7	85.5	82.3	82.3
14°	115.0	109.8	105.5	102.4	86.6	81.4	79.2	79.2
15°	108.7	103.5	100.3	97.2	81.4	78.1	76.0	77.0
17.5°	94.0	89.6	86.6	83.3	70.7	69.7	69.7	70.7
20°	80.3	76.0	72.9	70.7	61.2	62.3	63.4	65.5
21°	74.9	70.7	67.5	65.5	58.1	59.0	61.2	63.4
22°	69.7	66.4	63.4	61.2	54.9	56.0	59.0	61.2
23°	64.4	61.2	59.0	57.1	51.7	53.8	57.1	59.0
24°	60.1	57.1	54.9	52.7	48.6	50.8	54.9	57.1
25°	56.0	52.7	50.8	49.7	45.4	48.6	52.7	54.9
26°	51.7	49.7	47.5	46.4	43.2	46.4	50.8	53.8
27°	47.5	45.4	44.3	43.2	40.1	44.3	48.6	51.7
28°	44.3	42.3	41.2	40.1	38.0	42.3	47.5	49.7
29°	41.2	39.1	38.0	36.9	35.8	40.1	45.4	48.6
30°	38.0	36.9	34.9	34.9	33.8	39.1	43.2	46.4
31°	34.9	33.8	32.8	31.7	31.7	36.9	42.3	45.4
32°	32.8	31.7	30.6	29.5	30.6	34.9	40.1	44.3
33°	29.5	28.4	28.4	27.4	28.4	33.8	39.1	43.2
34°	26.5	26.5	25.4	25.4	27.4	32.8	38.0	41.2
35°	24.3	23.2	23.2	23.2	26.5	30.6	36.9	40.1
36°	22.1	22.1	21.1	21.1	25.4	29.5	35.8	39.1
37°	20.0	20.0	20.0	19.1	23.2	28.4	33.8	38.0
38°	18.0	18.0	18.0	18.0	22.1	27.4	33.8	38.0
39°	15.8	15.8	16.9	16.9	21.1	26.5	31.7	36.9
40°	14.8	14.8	14.8	14.8	20.0	25.4	30.6	35.8
42.5°	11.7	11.7	12.6	12.6	18.0	23.2	28.4	32.8
45°	9.5	9.5	10.6	10.6	15.8	21.1	25.4	30.6
47.5°	7.4	7.4	8.5	8.5	13.7	19.1	23.2	27.4
50°	5.2	6.3	6.3	7.4	12.6	16.9	20.0	24.3
51°	5.2	5.2	6.3	6.3	11.7	15.8	19.1	23.2
52°	5.2	5.2	6.3	6.3	10.6	14.8	18.0	21.1
53°	4.1	5.2	5.2	6.3	10.6	14.8	16.9	20.0
54°	4.1	4.1	5.2	5.2	10.6	13.7	16.9	18.0
55°	4.1	4.1	5.2	5.2	9.5	13.7	15.8	16.9
57.5°	4.1	4.1	4.1	4.1	8.5	11.7	13.7	13.7
60°	4.1	4.1	4.1	4.1	8.5	10.6	12.6	9.5



TEST NUMBER: P1212532

CATALOG NUMBER: LDSQA6A35935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.1	4.1	4.1	4.1	7.4	9.5	9.5	7.4
64°	4.1	4.1	4.1	4.1	7.4	9.5	9.5	7.4
65°	4.1	4.1	4.1	4.1	7.4	8.5	8.5	6.3
66°	4.1	4.1	4.1	4.1	7.4	8.5	8.5	6.3
67.5°	4.1	4.1	4.1	4.1	6.3	7.4	7.4	6.3
70°	4.1	4.1	4.1	4.1	6.3	7.4	6.3	5.2
72.5°	4.1	4.1	4.1	4.1	6.3	6.3	5.2	4.1
75°	4.1	4.1	4.1	4.1	5.2	5.2	4.1	4.1
77.5°	4.1	4.1	4.1	4.1	5.2	5.2	4.1	3.2
80°	4.1	4.1	4.1	4.1	5.2	4.1	3.2	2.2
82.5°	4.1	4.1	4.1	4.1	4.1	3.2	2.2	2.2
85°	4.1	4.1	4.1	4.1	4.1	3.2	2.2	1.1
87.5°	4.1	4.1	4.1	4.1	4.1	3.2	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





— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report



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Scaled Data Report





61°	4.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1
62°	3.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

Classified

Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	4.1	3.2	3.2	3.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2
62°	3.2	3.2	3.2	3.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2

Classified

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Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



61°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
62°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	4.1	4.1	4.1	4.1	7.4	10.6	11.7	8.5
62°	4.1	4.1	4.1	4.1	7.4	9.5	10.6	7.4

Classified

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)