

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: P1212472

Luminaire Tested: **LDSQA6A25927D010TE 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: P1212472
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: LDSQA6A25927D010TE 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

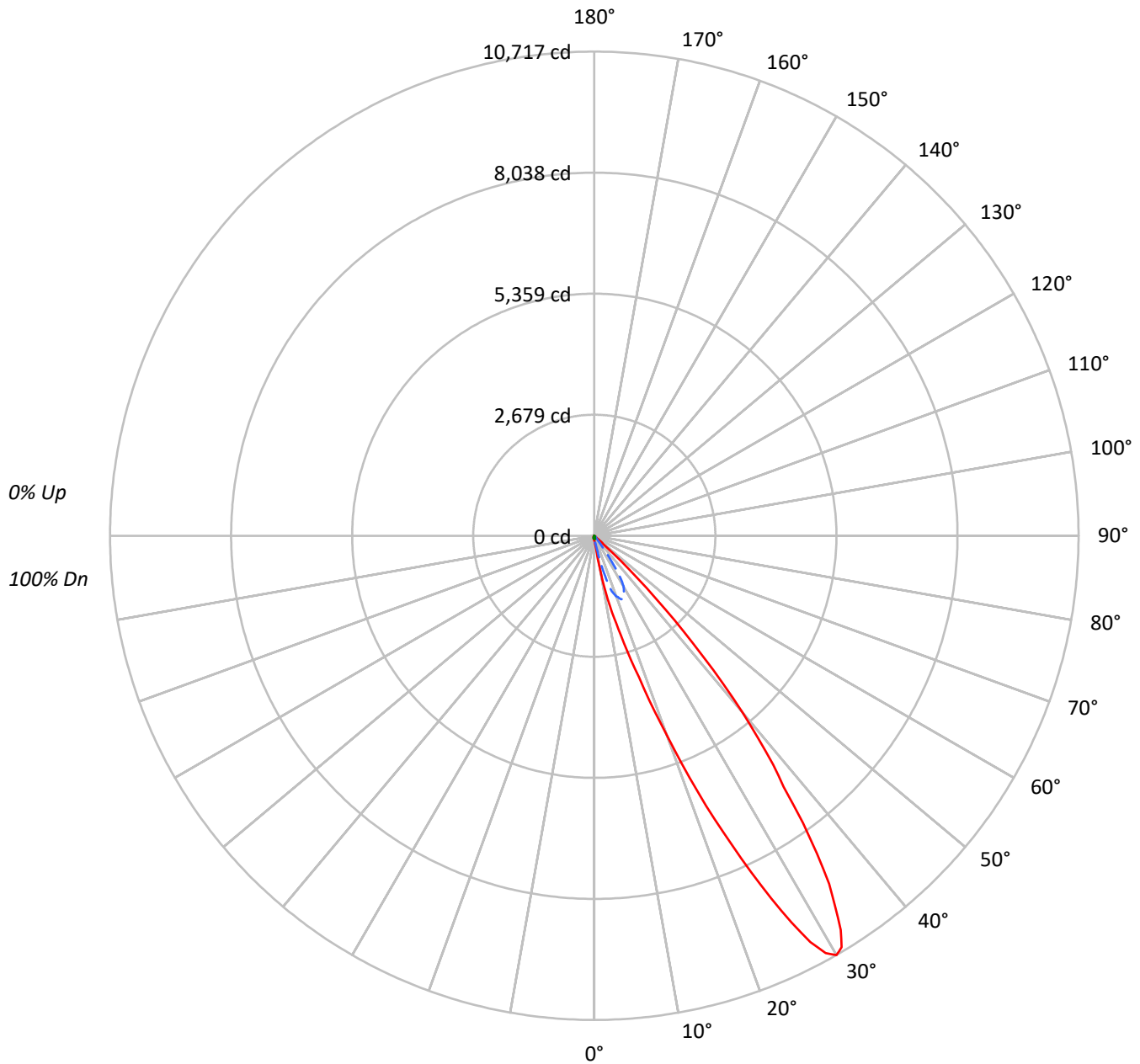
Lumens per Lamp: N/A
Luminaire Lumens: 1576.7 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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CATALOG NUMBER: LDSQA6A25927D010TE 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	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°	4448	4448	4448
5°	6863	4214	3384
10°	36803	3747	2807
15°	101478	3031	2403
20°	215482	2268	2099
25°	390049	1648	1824
30°	532826	1208	1616
35°	451654	851	1477
40°	286697	585	1411
45°	99366	451	1303
50°	6082	348	1139
55°	1051	278	886
60°	250	250	568
65°	153	295	448
70°	189	365	466
75°	0	482	482
80°	0	719	372
85°	0	1433	395



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CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.8
10°-20°	162.1	10.3
20°-30°	563.4	35.7
30°-40°	617.7	39.2
40°-50°	203.7	12.9
50°-60°	8.5	0.5
60°-70°	3.7	0.2
70°-80°	2.8	0.2
80°-90°	1.9	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°	738.4	46.8
0°-40°	1356.1	86.0
0°-60°	1568.3	99.5
0°-90°	1576.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1576.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	103	103	103	103	103	
5°	159	129	98	83	78	34
15°	2277	928	68	55	54	757
25°	8210	1522	35	34	38	3842
35°	8593	507	16	21	28	5165
45°	1632	25	7	15	21	1438
55°	14	3	4	10	12	20
65°	2	2	3	6	4	2
75°	0	2	3	4	3	1
85°	0	2	3	2	1	0
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	122.6	121.8	121.8	121.8	121.2	119.6	119.6	120.4	120.4	119.6	120.4
5°	158.8	157.3	156.5	155.7	152.8	152.2	149.1	151.4	149.1	147.0	147.0
7.5°	290.9	290.2	277.7	269.5	255.5	239.3	234.9	235.5	225.2	215.6	209.7
10°	841.8	843.2	806.4	821.1	767.9	746.5	706.0	691.2	654.2	623.2	585.6
11°	1126.1	1124.6	1078.1	1092.1	1038.2	1007.9	962.1	938.6	892.0	861.0	813.7
12°	1433.2	1388.3	1372.7	1386.0	1330.7	1290.8	1235.3	1205.1	1147.5	1115.7	1058.8
13°	1737.5	1724.2	1672.5	1685.1	1628.2	1541.1	1518.2	1482.0	1414.9	1377.1	1313.6
14°	2001.1	1952.3	1936.1	1944.2	1888.1	1805.3	1782.5	1771.4	1668.1	1627.4	1556.5
15°	2276.6	2217.4	2194.5	2164.3	2131.1	2032.8	1999.7	1978.2	1871.2	1803.2	1757.5
17.5°	3277.8	3194.4	3138.3	3069.5	2996.5	2814.8	2739.5	2667.8	2480.3	2390.3	2254.4
20°	4702.9	4575.2	4431.2	4282.1	4138.8	3818.3	3632.2	3432.9	3176.6	2962.4	2800.0
21°	5392.6	5239.8	5066.2	4954.0	4684.4	4293.1	4042.0	3757.8	3428.5	3163.3	2958.9
22°	6115.5	5941.2	5796.5	5631.1	5257.5	4790.8	4475.4	4110.8	3684.6	3357.6	3099.0
23°	6817.7	6620.6	6447.0	6245.4	5813.4	5272.9	4898.7	4463.6	3950.5	3543.7	3223.9
24°	7488.2	7283.6	7084.2	6819.2	6324.4	5727.1	5287.0	4791.6	4203.7	3722.3	3341.4
25°	8210.4	7971.1	7713.5	7310.2	6807.3	6131.7	5625.2	5076.6	4429.0	3886.9	3440.2
26°	8929.6	8650.5	8264.2	7853.6	7252.6	6496.5	5919.0	5307.6	4621.0	4019.1	3513.3
27°	9604.5	9305.3	8852.1	8290.2	7652.2	6808.8	6161.2	5490.8	4754.6	4104.8	3547.2
28°	10181.9	9852.5	9347.5	8707.2	7949.7	7038.5	6321.5	5598.6	4818.9	4137.2	3551.8
29°	10562.2	10233.6	9689.3	8978.3	8118.1	7152.2	6385.1	5622.2	4815.1	4118.1	3521.4
30°	10717.3	10385.7	9829.6	9066.9	8149.8	7154.5	6359.1	5572.7	4750.9	4057.6	3461.6
31°	10626.4	10308.2	9744.0	8976.0	8037.6	7051.0	6250.6	5447.9	4623.2	3950.5	3372.3
32°	10291.1	9999.5	9457.5	8726.5	7806.4	6843.5	6063.7	5263.3	4443.0	3811.0	3260.8
33°	9780.2	9537.3	8983.5	8309.3	7497.7	6588.8	5836.3	5075.8	4225.9	3640.3	3141.9
34°	9290.6	8931.7	8440.7	7841.9	7102.1	6258.0	5554.3	4780.4	3995.6	3452.8	3006.1
35°	8592.9	8271.7	7818.3	7305.8	6641.2	5854.1	5150.4	4492.5	3737.8	3271.9	2863.5
36°	7856.7	7573.8	7244.5	6785.3	6149.5	5432.5	4788.5	4138.8	3472.8	3070.3	2712.9
37°	6957.2	6893.8	6587.4	6204.1	5636.3	4973.9	4368.4	3806.5	3224.6	2884.2	2547.5
38°	6426.3	6218.1	5937.5	5600.1	5043.4	4513.1	3963.0	3472.8	2999.4	2710.0	2359.2
39°	5750.7	5575.0	5316.5	5013.0	4533.8	4033.2	3585.7	3194.4	2813.3	2534.2	2156.2
40°	5100.9	4954.6	4717.6	4457.0	4022.1	3610.0	3260.1	2949.1	2628.7	2346.7	1955.4
42.5°	3216.5	3144.1	3046.6	3011.3	2855.4	2748.3	2620.6	2441.2	2159.1	1841.7	1568.3
45°	1631.9	1585.4	1583.9	1656.2	1705.7	1710.9	1699.1	1653.3	1470.2	1379.3	1136.4
47.5°	274.6	261.3	269.5	318.3	386.9	470.4	563.4	677.9	800.4	774.6	596.6
50°	90.8	87.9	85.7	87.9	84.9	87.1	85.7	83.4	75.3	79.0	81.3
51°	56.1	59.8	57.6	59.1	58.4	60.5	60.5	59.8	54.7	50.9	46.6
52°	38.4	39.1	39.9	40.6	39.9	40.6	41.4	41.4	39.9	38.4	34.7
53°	27.3	27.3	28.1	28.1	28.1	28.9	28.9	28.9	28.1	28.1	27.3
54°	19.2	20.0	20.0	20.0	20.0	20.6	20.6	20.6	21.4	20.6	20.6
55°	14.0	14.0	14.0	14.0	14.0	14.0	14.8	14.8	15.6	15.6	14.8
57.5°	5.9	5.9	5.2	5.9	5.9	5.9	5.9	6.6	6.6	7.4	7.4
60°	2.9	2.9	2.9	2.9	2.3	2.9	2.9	2.9	2.9	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.5	1.5	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5
64°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8
66°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	118.1	119.6	117.4	118.9	116.0	116.0	113.7	114.5	113.7	112.3	112.3
5°	143.2	143.2	139.5	139.5	135.1	132.9	129.3	129.3	127.0	123.3	122.6
7.5°	196.4	189.0	180.9	178.0	169.0	163.2	156.5	153.6	147.0	141.0	136.6
10°	525.7	477.1	429.1	399.5	327.2	274.6	235.5	208.9	189.8	166.9	158.0
11°	741.3	679.4	616.6	555.3	484.4	412.8	367.7	296.9	251.8	200.8	176.5
12°	974.8	901.6	825.5	756.1	671.3	581.1	519.1	429.1	365.5	280.6	221.6
13°	1213.9	1131.3	1040.5	968.1	872.1	768.7	671.3	587.7	508.7	397.9	311.6
14°	1444.4	1356.5	1256.7	1180.8	1072.9	960.7	850.7	758.4	662.3	530.1	423.9
15°	1649.6	1586.8	1460.6	1385.2	1269.4	1149.7	1027.2	928.2	814.5	667.5	544.9
17.5°	2079.3	1963.5	1809.1	1734.5	1619.3	1515.9	1383.1	1293.7	1153.4	998.3	863.2
20°	2585.9	2415.3	2206.3	2049.1	1849.8	1668.1	1500.5	1430.3	1343.2	1237.6	1111.3
21°	2724.8	2540.8	2312.7	2152.5	1947.9	1761.1	1563.9	1452.5	1357.1	1265.6	1160.0
22°	2825.9	2631.7	2391.7	2224.8	2014.4	1829.0	1627.4	1493.9	1366.8	1263.4	1168.1
23°	2911.5	2704.8	2455.2	2273.5	2053.5	1862.3	1660.0	1527.0	1386.8	1258.2	1154.8
24°	2989.0	2762.4	2500.3	2305.3	2073.5	1874.1	1664.4	1533.0	1396.4	1261.2	1137.2
25°	3047.4	2798.6	2526.1	2321.5	2077.9	1870.4	1654.0	1521.9	1385.2	1251.7	1117.2
26°	3087.3	2815.6	2533.5	2320.8	2069.1	1855.6	1632.6	1498.9	1358.7	1217.0	1084.7
27°	3099.8	2811.1	2523.1	2303.8	2046.9	1826.8	1596.4	1455.4	1317.4	1175.6	1041.1
28°	3087.3	2793.4	2499.5	2270.6	2009.9	1779.5	1538.1	1397.8	1273.1	1129.7	987.9
29°	3052.6	2761.6	2456.0	2221.1	1951.6	1702.8	1463.5	1342.4	1222.0	1060.4	898.7
30°	2998.6	2704.0	2393.2	2148.7	1865.2	1606.0	1396.4	1291.4	1137.9	948.2	773.8
31°	2923.3	2629.4	2311.9	2052.7	1750.0	1511.5	1338.0	1196.2	1006.4	799.7	621.8
32°	2831.8	2540.8	2193.8	1925.0	1636.3	1436.9	1234.6	1050.7	840.3	623.9	453.4
33°	2733.5	2427.1	2058.7	1790.6	1538.8	1337.3	1085.4	871.3	654.2	438.6	285.8
34°	2619.8	2287.6	1907.4	1655.5	1429.6	1187.4	908.3	677.1	466.7	266.5	147.0
35°	2482.6	2115.5	1756.7	1538.8	1273.1	988.7	714.1	507.3	292.5	134.3	79.8
36°	2316.3	1938.3	1625.9	1388.9	1089.9	793.7	515.4	323.5	157.3	79.0	62.8
37°	2105.3	1792.8	1488.7	1210.3	892.0	595.8	332.2	175.7	90.0	64.2	53.2
38°	1922.8	1658.5	1341.7	1015.3	687.5	408.3	201.6	99.0	70.9	53.9	44.3
39°	1765.6	1514.5	1149.0	810.0	490.2	247.4	110.8	75.3	59.1	44.3	37.6
40°	1628.2	1309.3	945.1	607.7	315.3	137.4	79.8	62.8	48.0	37.0	30.3
42.5°	1194.7	830.7	437.8	196.4	92.3	68.6	50.3	39.9	31.0	22.9	19.2
45°	709.6	373.6	132.2	80.5	58.4	43.6	31.8	25.1	19.2	14.0	11.8
47.5°	259.2	94.6	65.0	48.7	37.0	27.3	20.0	15.6	11.8	8.1	6.6
50°	53.2	45.8	35.4	28.9	21.4	16.2	11.8	8.9	6.6	5.2	4.4
51°	40.6	35.4	28.9	22.9	17.0	13.3	9.6	7.4	5.9	4.4	3.7
52°	31.0	27.3	22.2	18.5	14.0	10.4	7.4	5.9	4.4	2.9	2.9
53°	24.3	21.4	17.0	14.0	11.0	8.1	5.9	4.4	3.7	2.9	2.9
54°	18.5	16.2	13.3	11.0	8.9	6.6	4.4	3.7	2.9	2.9	2.3
55°	13.3	12.5	10.4	8.1	6.6	5.2	3.7	2.9	2.9	2.3	2.3
57.5°	6.6	5.9	5.2	4.4	3.7	2.9	2.3	2.3	2.3	2.3	1.5
60°	3.7	2.9	2.9	2.9	2.3	2.3	2.3	1.5	1.5	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.5	1.5	1.5	1.5	2.3	1.5	1.5	1.5	2.3	2.3	2.3
64°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
65°	0.8	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
66°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
75°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
77.5°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
80°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
82.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
87.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
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: P1212472

CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	110.0	111.5	110.0	108.5	107.9	107.9	107.1	104.8	105.6	104.8	104.8
5°	118.9	119.6	116.6	114.5	112.9	111.5	110.0	107.1	106.3	105.6	104.8
7.5°	130.7	129.9	124.1	120.4	116.6	113.7	110.8	107.1	105.6	103.3	101.9
10°	147.6	142.6	132.9	126.2	121.2	115.2	110.8	104.8	101.9	99.0	96.7
11°	155.1	147.6	138.1	129.3	122.6	116.0	110.8	103.3	99.8	96.7	93.8
12°	178.0	158.0	142.6	132.9	124.1	116.6	110.0	102.7	98.2	93.8	90.8
13°	230.4	183.8	152.2	135.1	126.2	117.4	109.3	101.2	96.0	90.8	87.9
14°	316.0	236.3	175.7	143.2	127.0	117.4	108.5	99.8	93.8	88.6	84.9
15°	418.7	317.5	223.7	163.2	129.9	116.6	107.1	97.5	90.8	84.9	81.3
17.5°	705.2	573.0	429.7	305.8	189.0	127.7	101.2	90.0	81.9	75.3	70.9
20°	945.1	793.1	631.4	477.1	327.2	203.8	116.6	81.9	72.4	65.0	60.5
21°	997.6	855.1	683.8	522.0	366.9	236.3	132.2	81.9	68.6	61.3	56.8
22°	1024.9	887.5	716.2	551.6	394.3	259.2	148.4	82.7	65.0	57.6	52.4
23°	1020.5	895.0	728.8	560.5	406.8	270.3	155.1	83.4	61.3	53.9	48.7
24°	993.9	875.0	716.2	550.1	403.1	267.3	152.8	81.9	57.6	50.3	45.8
25°	960.7	835.9	682.3	522.0	379.6	248.8	141.8	76.7	54.7	47.2	42.8
26°	923.0	796.8	635.1	472.5	341.1	217.9	119.6	68.0	50.3	43.6	39.9
27°	877.9	745.7	576.7	420.1	287.9	175.7	96.0	57.6	46.6	39.9	37.0
28°	810.8	673.4	502.1	350.7	230.4	132.9	72.4	49.5	42.8	37.0	33.9
29°	710.4	571.5	409.1	274.0	169.0	91.5	55.3	44.3	38.4	33.2	31.0
30°	584.8	451.9	303.5	188.3	108.5	62.0	45.1	39.1	33.9	30.3	28.9
31°	443.0	321.2	196.4	108.5	65.0	45.8	39.9	33.9	30.3	27.3	26.6
32°	292.5	194.2	104.1	62.8	47.2	39.9	34.7	30.3	27.3	25.1	24.3
33°	156.5	89.4	59.8	47.2	39.9	34.7	30.3	26.6	24.3	22.9	22.2
34°	79.8	58.4	48.7	40.6	33.9	30.3	26.6	23.7	22.2	20.6	20.0
35°	59.1	50.3	42.0	34.7	29.5	26.6	23.7	21.4	20.0	18.5	18.5
36°	50.3	42.0	34.7	30.3	26.6	23.7	21.4	18.5	17.7	17.0	16.2
37°	42.0	36.2	30.3	25.8	22.9	20.6	18.5	17.0	15.6	14.8	14.8
38°	35.4	31.0	25.8	22.2	20.0	18.5	16.2	14.8	14.0	13.3	13.3
39°	29.5	25.8	22.2	19.2	17.0	15.6	14.0	13.3	12.5	11.8	11.8
40°	24.3	22.2	18.5	16.2	14.8	13.3	12.5	11.8	11.0	10.4	11.0
42.5°	15.6	13.3	11.8	11.0	9.6	9.6	8.9	8.1	8.1	8.1	8.1
45°	8.9	8.1	7.4	7.4	6.6	6.6	6.6	5.9	6.6	6.6	6.6
47.5°	5.2	5.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.2	5.2
50°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7
51°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
52°	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
53°	2.3	2.9	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
54°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
55°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
57.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9



TEST NUMBER: P1212472

CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.3	2.3	2.3	2.3	2.3	2.9	2.3	2.3	2.3	2.9	2.9
64°	2.3	2.3	2.3	2.3	2.3	2.9	2.3	2.3	2.3	2.3	2.9
65°	2.3	2.3	2.9	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.9
66°	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.9	2.9
67.5°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.3	2.9	2.9	2.9
70°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P1212472

CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	102.7	101.9	101.2	101.2	95.2	92.3	88.6	88.6
5°	101.2	100.4	99.0	97.5	87.9	83.4	79.0	78.3
7.5°	98.2	96.0	93.8	92.3	80.5	75.3	70.9	70.1
10°	92.3	89.4	87.1	85.7	73.2	68.0	64.2	64.2
11°	89.4	86.4	84.2	81.9	69.4	65.0	62.0	62.0
12°	86.4	83.4	80.5	79.0	66.5	62.8	59.8	59.1
13°	83.4	79.8	77.5	75.3	63.4	59.8	57.6	57.6
14°	80.5	76.7	73.8	71.7	60.5	56.8	55.3	55.3
15°	76.1	72.4	70.1	68.0	56.8	54.7	53.2	53.9
17.5°	65.7	62.8	60.5	58.4	49.5	48.7	48.7	49.5
20°	56.1	53.2	50.9	49.5	42.8	43.6	44.3	45.8
21°	52.4	49.5	47.2	45.8	40.6	41.4	42.8	44.3
22°	48.7	46.6	44.3	42.8	38.4	39.1	41.4	42.8
23°	45.1	42.8	41.4	39.9	36.2	37.6	39.9	41.4
24°	42.0	39.9	38.4	37.0	33.9	35.4	38.4	39.9
25°	39.1	37.0	35.4	34.7	31.8	33.9	37.0	38.4
26°	36.2	34.7	33.2	32.5	30.3	32.5	35.4	37.6
27°	33.2	31.8	31.0	30.3	28.1	31.0	33.9	36.2
28°	31.0	29.5	28.9	28.1	26.6	29.5	33.2	34.7
29°	28.9	27.3	26.6	25.8	25.1	28.1	31.8	33.9
30°	26.6	25.8	24.3	24.3	23.7	27.3	30.3	32.5
31°	24.3	23.7	22.9	22.2	22.2	25.8	29.5	31.8
32°	22.9	22.2	21.4	20.6	21.4	24.3	28.1	31.0
33°	20.6	20.0	20.0	19.2	20.0	23.7	27.3	30.3
34°	18.5	18.5	17.7	17.7	19.2	22.9	26.6	28.9
35°	17.0	16.2	16.2	16.2	18.5	21.4	25.8	28.1
36°	15.6	15.6	14.8	14.8	17.7	20.6	25.1	27.3
37°	14.0	14.0	14.0	13.3	16.2	20.0	23.7	26.6
38°	12.5	12.5	12.5	12.5	15.6	19.2	23.7	26.6
39°	11.0	11.0	11.8	11.8	14.8	18.5	22.2	25.8
40°	10.4	10.4	10.4	10.4	14.0	17.7	21.4	25.1
42.5°	8.1	8.1	8.9	8.9	12.5	16.2	20.0	22.9
45°	6.6	6.6	7.4	7.4	11.0	14.8	17.7	21.4
47.5°	5.2	5.2	5.9	5.9	9.6	13.3	16.2	19.2
50°	3.7	4.4	4.4	5.2	8.9	11.8	14.0	17.0
51°	3.7	3.7	4.4	4.4	8.1	11.0	13.3	16.2
52°	3.7	3.7	4.4	4.4	7.4	10.4	12.5	14.8
53°	2.9	3.7	3.7	4.4	7.4	10.4	11.8	14.0
54°	2.9	2.9	3.7	3.7	7.4	9.6	11.8	12.5
55°	2.9	2.9	3.7	3.7	6.6	9.6	11.0	11.8
57.5°	2.9	2.9	2.9	2.9	5.9	8.1	9.6	9.6
60°	2.9	2.9	2.9	2.9	5.9	7.4	8.9	6.6



TEST NUMBER: P1212472

CATALOG NUMBER: LDSQA6A25927D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.9	2.9	2.9	2.9	5.2	6.6	6.6	5.2
64°	2.9	2.9	2.9	2.9	5.2	6.6	6.6	5.2
65°	2.9	2.9	2.9	2.9	5.2	5.9	5.9	4.4
66°	2.9	2.9	2.9	2.9	5.2	5.9	5.9	4.4
67.5°	2.9	2.9	2.9	2.9	4.4	5.2	5.2	4.4
70°	2.9	2.9	2.9	2.9	4.4	5.2	4.4	3.7
72.5°	2.9	2.9	2.9	2.9	4.4	4.4	3.7	2.9
75°	2.9	2.9	2.9	2.9	3.7	3.7	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	3.7	3.7	2.9	2.3
80°	2.9	2.9	2.9	2.9	3.7	2.9	2.3	1.5
82.5°	2.9	2.9	2.9	2.9	2.9	2.3	1.5	1.5
85°	2.9	2.9	2.9	2.9	2.9	2.3	1.5	0.8
87.5°	2.9	2.9	2.9	2.9	2.9	2.3	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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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

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
62°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.9	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	2.3	2.3
62°	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
62°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.9	2.9	2.9	2.9	5.2	7.4	8.1	5.9
62°	2.9	2.9	2.9	2.9	5.2	6.6	7.4	5.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)