

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: P1212492

Luminaire Tested: **LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29056)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° NARROW FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

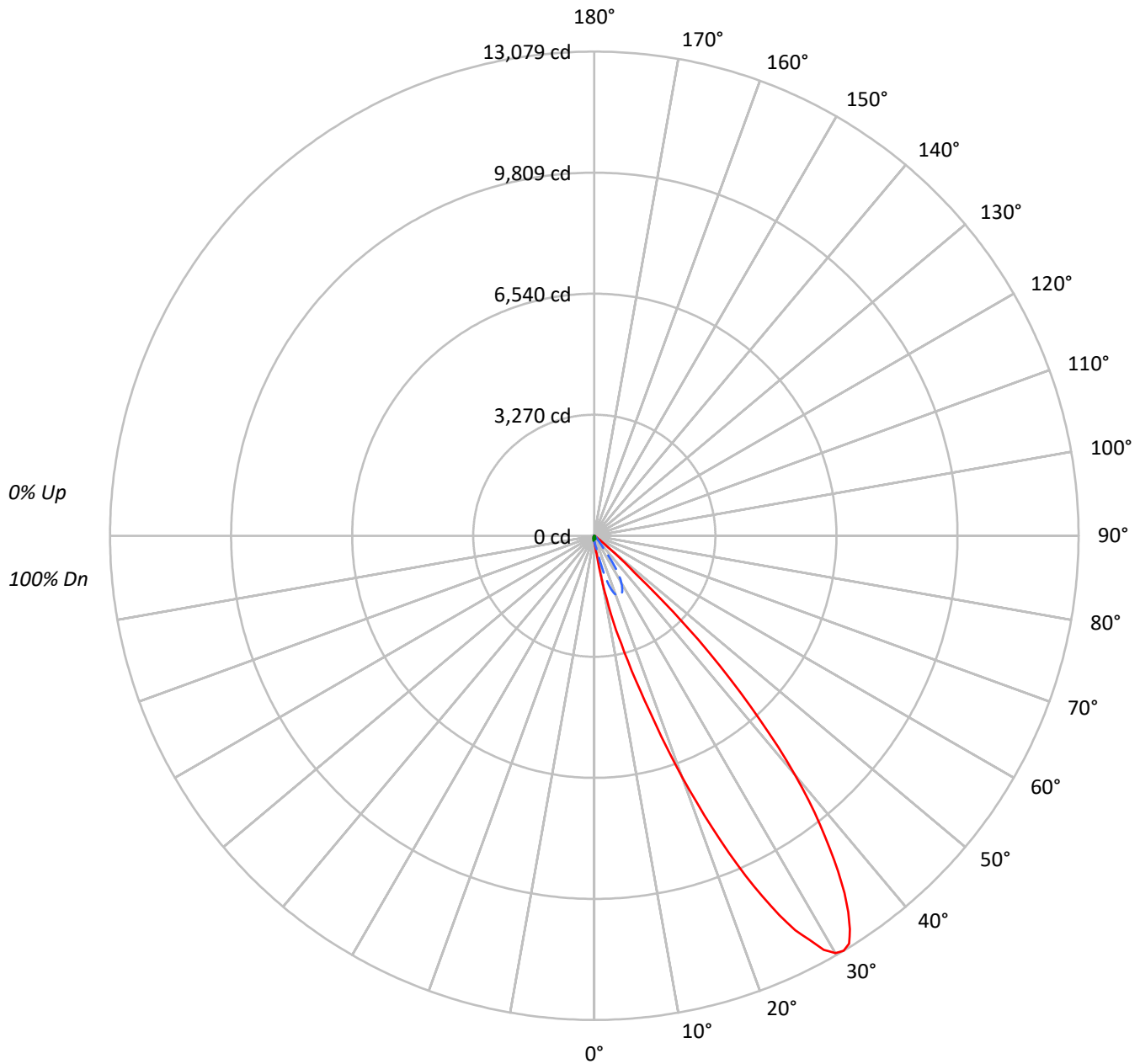
Lumens per Lamp: N/A
Luminaire Lumens: 2282.6 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6626	6626	6626
5°	13225	6427	4344
10°	59490	5622	3248
15°	155953	4600	2617
20°	317529	3487	2204
25°	510934	2580	1872
30°	647168	1825	1651
35°	619077	1193	1466
40°	474686	742	1377
45°	241422	475	1279
50°	37015	348	1112
55°	4864	330	788
60°	525	301	525
65°	92	357	448
70°	113	554	554
75°	0	732	449
80°	0	868	422
85°	0	1729	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.9
10°-20°	225.7	9.9
20°-30°	739.0	32.4
30°-40°	899.5	39.4
40°-50°	365.4	16.0
50°-60°	21.7	1.0
60°-70°	4.2	0.2
70°-80°	3.7	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°	985.2	43.2
0°-40°	1884.8	82.6
0°-60°	2271.9	99.5
0°-90°	2282.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2282.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	154	154	154	154	154	
5°	306	234	149	110	100	58
15°	3499	1166	103	63	59	1138
25°	10755	1736	54	37	39	4943
35°	11778	694	23	22	28	7124
45°	3965	79	8	14	21	3042
55°	65	8	4	10	10	112
65°	1	3	4	6	4	1
75°	0	3	4	5	3	0
85°	0	3	4	4	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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	216.9	207.2	211.6	210.8	207.2	208.1	209.9	206.4	208.1	202.8	203.8
5°	306.0	292.1	299.9	291.1	295.5	291.1	291.1	286.0	281.6	280.8	276.4
7.5°	534.3	500.2	510.7	473.1	479.2	467.0	455.7	443.3	422.4	411.9	389.2
10°	1360.7	1264.4	1287.2	1205.0	1203.3	1174.4	1121.1	1084.3	1006.5	951.5	872.7
11°	1720.9	1655.3	1675.5	1585.4	1581.0	1541.7	1478.7	1380.8	1337.0	1263.6	1165.6
12°	2191.4	2081.2	2093.4	1994.6	1985.0	1932.6	1861.7	1741.1	1688.6	1599.5	1484.0
13°	2619.0	2521.1	2521.9	2414.3	2403.0	2336.5	2258.7	2112.7	2054.2	1954.4	1815.4
14°	3011.7	2937.3	2922.4	2864.7	2803.5	2725.7	2643.5	2478.2	2413.6	2301.6	2142.5
15°	3498.7	3353.6	3324.7	3252.1	3177.8	3079.9	2979.3	2790.5	2718.7	2595.4	2437.1
17.5°	4935.5	4756.2	4677.5	4529.7	4389.8	4201.9	3984.0	3649.1	3483.9	3262.6	3015.1
20°	6930.1	6647.7	6489.5	6252.5	6026.8	5719.0	5343.0	4815.7	4570.8	4142.3	3736.6
21°	7719.7	7476.7	7278.2	7011.5	6744.7	6380.1	5933.3	5375.3	4997.6	4496.5	4020.9
22°	8517.3	8286.4	8054.7	7761.7	7463.6	7037.7	6522.6	5875.5	5421.7	4836.7	4288.3
23°	9302.6	9068.2	8889.9	8488.5	8149.2	7669.0	7098.1	6358.2	5831.0	5160.3	4540.2
24°	10056.4	9800.1	9578.0	9173.1	8789.3	8254.9	7640.2	6826.9	6226.1	5469.0	4773.8
25°	10755.0	10472.6	10199.8	9783.5	9366.4	8783.2	8118.6	7251.0	6586.4	5748.8	4986.2
26°	11397.8	11012.1	10715.7	10330.9	9857.0	9244.8	8539.1	7617.4	6896.8	5982.2	5153.2
27°	11954.8	11564.7	11224.7	10812.8	10283.7	9624.4	8886.3	7880.6	7142.6	6157.1	5269.6
28°	12359.7	12030.0	11638.3	11194.9	10613.4	9885.9	9121.5	8090.5	7290.4	6248.1	5317.6
29°	12789.0	12414.0	11957.5	11453.7	10820.6	10050.3	9250.9	8199.8	7351.6	6269.1	5308.0
30°	13017.2	12671.8	12134.9	11585.8	10909.9	10102.7	9279.0	8216.5	7332.4	6218.3	5245.0
31°	13078.6	12755.8	12161.3	11588.4	10881.8	10051.1	9209.9	8130.8	7228.3	6100.3	5127.8
32°	12990.2	12667.5	12050.1	11476.4	10753.3	9906.8	9057.7	7977.7	7058.7	5923.7	4960.9
33°	12672.8	12411.3	11815.7	11264.0	10557.4	9692.5	8833.9	7728.5	6794.6	5694.5	4759.7
34°	12267.0	12023.1	11473.9	10908.1	10247.0	9398.7	8525.2	7426.9	6491.2	5413.0	4520.9
35°	11778.2	11537.8	11031.4	10469.1	9836.0	9007.8	8129.9	7048.2	6132.6	5094.7	4256.0
36°	11201.9	10951.8	10484.0	9948.8	9372.5	8535.7	7662.1	6612.8	5725.1	4748.4	3972.7
37°	10567.9	10316.0	9898.1	9402.3	8832.1	8003.9	7138.2	6132.6	5294.9	4389.0	3676.3
38°	9898.9	9664.6	9285.1	8790.1	8226.1	7412.9	6565.5	5693.6	4856.8	4025.1	3376.3
39°	9212.5	8965.9	8608.3	8122.0	7567.6	6764.9	5968.2	5189.1	4479.0	3667.5	3100.9
40°	8445.6	8213.0	7798.5	7417.3	6861.1	6096.7	5370.1	4632.0	4059.3	3323.8	2850.7
42.5°	6247.1	6065.3	5844.0	5453.1	5042.2	4493.9	3985.9	3474.2	3058.1	2640.8	2293.7
45°	3964.9	3831.1	3717.4	3474.2	3308.1	2999.4	2737.1	2475.7	2278.8	2060.3	1674.6
47.5°	1467.4	1404.3	1364.2	1257.5	1247.8	1149.0	1139.4	1265.4	1339.7	1261.0	948.8
50°	552.6	536.9	527.3	494.1	471.4	425.9	391.8	366.4	314.8	278.9	250.0
51°	363.0	351.5	334.9	332.2	322.7	297.3	281.6	276.4	241.4	203.8	174.9
52°	230.9	223.8	213.3	214.3	208.9	193.2	188.1	195.9	177.6	156.5	135.5
53°	145.1	141.6	134.7	134.7	133.8	123.3	121.6	128.6	125.0	115.4	103.2
54°	94.4	93.6	87.4	88.3	88.3	82.2	81.3	83.9	83.1	79.5	73.4
55°	64.8	63.8	62.9	60.4	58.7	56.8	56.8	57.7	56.8	55.1	51.6
57.5°	22.7	21.8	22.7	21.8	21.8	22.7	21.8	23.7	24.5	24.5	22.7
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.8	8.8	8.8	8.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	1.7	1.7	1.7
64°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
66°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	201.1	202.0	198.6	197.6	196.7	192.3	189.8	187.1	184.5	180.1	181.9
5°	269.3	269.3	261.5	256.2	253.6	243.9	239.7	233.5	226.5	221.2	218.7
7.5°	376.0	369.9	352.5	339.3	331.4	312.2	300.8	284.2	274.6	264.1	258.0
10°	797.5	756.4	670.7	609.5	551.8	481.9	418.0	368.1	335.8	312.2	297.3
11°	1074.8	1020.5	911.2	826.3	751.2	651.4	553.5	459.9	392.6	351.5	320.9
12°	1379.1	1309.1	1177.8	1072.9	981.1	856.1	731.1	607.8	510.7	433.7	370.8
13°	1695.6	1605.6	1453.4	1332.7	1226.9	1082.6	933.9	786.2	668.1	563.1	467.9
14°	2009.5	1899.4	1732.3	1593.3	1474.3	1313.5	1144.7	980.2	842.2	710.1	593.7
15°	2294.6	2173.9	2027.1	1845.1	1716.6	1510.2	1351.0	1166.5	1009.1	856.1	720.6
17.5°	2806.2	2643.5	2470.3	2282.4	2159.9	1956.2	1754.1	1531.2	1340.5	1150.8	968.9
20°	3368.5	3078.2	2793.0	2513.2	2335.7	2118.8	1921.2	1700.8	1499.7	1284.6	1087.0
21°	3589.7	3257.4	2910.2	2596.3	2395.2	2163.4	1958.8	1730.6	1519.0	1289.8	1081.7
22°	3799.5	3402.5	3012.6	2666.3	2446.8	2209.8	1989.4	1749.7	1524.2	1283.7	1066.0
23°	3991.1	3542.5	3107.0	2727.4	2484.3	2232.5	2005.1	1757.7	1521.5	1269.8	1042.3
24°	4165.0	3671.1	3187.5	2772.9	2507.0	2239.5	2003.4	1751.6	1508.5	1248.7	1010.0
25°	4315.5	3772.4	3246.0	2797.4	2513.2	2236.0	1994.6	1735.8	1482.3	1212.8	972.4
26°	4429.2	3837.2	3274.1	2800.8	2504.5	2224.7	1974.5	1706.9	1441.1	1164.8	921.7
27°	4494.7	3860.7	3274.1	2786.1	2487.0	2203.7	1942.2	1662.4	1387.7	1105.4	858.8
28°	4506.2	3850.2	3250.4	2755.5	2453.7	2167.0	1895.0	1605.6	1324.8	1034.5	789.6
29°	4476.4	3808.3	3199.7	2703.0	2404.8	2119.8	1833.8	1533.8	1249.7	956.7	717.9
30°	4403.0	3731.3	3124.4	2636.5	2346.3	2057.6	1756.8	1454.2	1164.8	876.2	635.7
31°	4288.3	3620.3	3028.3	2556.1	2273.6	1983.3	1671.9	1362.5	1069.5	776.6	546.5
32°	4136.2	3464.6	2921.6	2464.2	2193.2	1898.4	1566.2	1245.3	943.5	655.0	443.3
33°	3957.0	3312.5	2802.7	2365.4	2105.7	1782.2	1420.2	1070.4	789.6	519.5	335.8
34°	3752.3	3148.9	2675.0	2261.4	1991.1	1611.7	1238.2	890.2	620.8	379.6	237.0
35°	3525.8	2974.9	2541.2	2138.9	1810.1	1403.5	1030.1	693.5	449.5	257.1	178.4
36°	3284.4	2780.0	2388.1	1964.0	1593.3	1170.0	809.7	499.3	298.2	191.5	153.9
37°	3057.1	2610.3	2229.9	1744.6	1348.5	926.1	591.2	333.2	217.7	167.0	136.5
38°	2842.9	2446.8	2023.5	1501.4	1096.6	694.3	389.2	245.8	188.9	147.0	120.6
39°	2642.6	2282.4	1782.2	1240.9	844.7	489.7	282.5	210.8	164.4	130.3	106.7
40°	2449.3	2047.1	1519.0	1011.7	615.7	341.9	237.8	186.2	145.1	114.5	90.0
42.5°	1837.3	1315.2	841.2	460.8	289.4	223.0	169.7	131.1	96.2	70.9	54.3
45°	1153.4	669.0	361.1	258.8	202.0	151.2	110.1	78.7	57.7	42.8	34.0
47.5°	524.7	287.7	223.8	173.2	130.3	90.0	64.8	47.2	35.0	27.1	20.1
50°	192.3	163.6	132.9	98.8	71.7	51.6	37.6	27.9	21.0	15.7	11.3
51°	150.4	131.1	105.9	74.3	56.8	42.0	30.6	22.7	16.6	12.2	8.8
52°	118.1	104.0	81.3	57.7	44.6	33.2	24.5	17.4	12.2	9.6	7.0
53°	91.0	79.5	61.2	44.6	35.0	26.2	19.3	14.0	9.6	7.0	5.2
54°	67.3	58.7	45.5	34.0	27.1	20.1	14.0	10.5	7.0	5.2	4.4
55°	48.1	42.8	34.0	27.1	21.0	15.7	10.5	7.8	5.2	3.5	3.5
57.5°	20.1	19.3	15.7	13.2	10.5	7.8	5.2	3.5	3.5	2.7	3.5
60°	7.8	7.8	7.0	5.2	4.4	3.5	2.7	2.7	2.7	2.7	2.7



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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°	1.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.5
64°	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	2.7	3.5
65°	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	3.5
66°	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	3.5
67.5°	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	3.5	3.5
70°	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	3.5	3.5
72.5°	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
75°	0.9	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
77.5°	0.9	1.7	1.7	1.7	2.7	2.7	2.7	2.7	3.5	3.5	3.5
80°	0.9	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
82.5°	0.9	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
85°	0.9	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
87.5°	0.9	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5	3.5	3.5
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: P1212492

CATALOG NUMBER: LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	179.3	179.3	173.2	171.4	170.5	168.8	164.4	164.4	161.7	158.3	156.5
5°	212.5	210.8	201.1	195.9	191.5	186.2	177.6	174.0	168.8	163.6	159.2
7.5°	244.9	238.7	223.8	216.0	209.9	201.1	189.8	181.9	173.2	164.4	158.3
10°	277.2	264.9	243.9	230.9	219.4	207.2	193.2	184.5	173.2	161.7	153.1
11°	290.3	274.6	251.0	234.3	221.2	207.2	193.2	181.9	171.4	160.0	150.4
12°	315.7	286.0	258.0	239.7	223.0	207.2	191.5	179.3	167.8	156.5	147.0
13°	367.2	312.2	265.9	243.9	225.6	207.2	189.8	176.6	164.4	153.1	142.6
14°	460.8	366.4	286.9	248.3	226.5	207.2	188.1	172.2	160.0	147.8	138.2
15°	566.7	449.5	329.7	264.1	227.3	205.5	184.5	167.8	154.8	142.6	132.9
17.5°	786.2	628.7	467.0	342.7	249.2	200.3	171.4	154.8	139.9	127.7	116.2
20°	875.4	692.5	510.7	367.2	258.0	191.5	156.5	139.0	123.3	111.1	101.5
21°	864.0	680.3	497.6	350.7	241.4	179.3	148.7	132.1	117.2	104.0	95.4
22°	840.4	651.4	467.0	320.0	221.2	167.0	141.6	124.2	110.1	97.9	89.2
23°	808.9	610.3	432.0	287.7	200.3	155.6	134.7	117.2	104.0	91.8	83.9
24°	769.5	569.2	391.8	255.4	180.1	147.0	126.7	110.1	97.1	86.6	78.7
25°	725.8	526.4	348.9	228.2	167.8	138.2	118.1	102.3	91.0	81.3	73.4
26°	672.4	475.7	308.7	202.8	153.1	128.6	109.3	95.4	84.9	76.1	68.2
27°	611.3	423.2	264.1	176.6	140.8	118.9	101.5	89.2	79.5	70.9	62.9
28°	556.2	364.7	226.5	157.3	131.1	109.3	94.4	83.1	74.3	65.6	58.7
29°	487.0	308.7	193.2	142.6	120.6	102.3	87.4	77.0	68.2	59.5	53.3
30°	418.0	255.4	165.3	130.3	110.1	93.6	80.5	70.9	62.1	55.1	49.9
31°	346.3	211.6	145.1	119.8	100.5	86.6	74.3	65.6	56.8	50.7	45.5
32°	264.9	173.2	129.4	108.4	91.8	77.8	68.2	59.5	51.6	46.3	41.1
33°	199.4	146.0	117.2	97.9	83.1	71.7	62.1	53.3	47.2	42.0	37.6
34°	159.2	130.3	105.9	88.3	75.1	64.8	55.1	48.1	42.0	37.6	33.2
35°	139.9	117.2	94.4	79.5	67.3	56.8	48.9	42.8	37.6	33.2	29.8
36°	124.2	104.9	83.9	70.9	58.7	49.9	42.8	37.6	32.3	28.9	26.2
37°	111.1	92.7	74.3	61.2	50.7	43.8	37.6	32.3	27.9	25.4	23.7
38°	99.8	79.5	62.9	52.4	43.8	37.6	32.3	27.9	24.5	21.8	20.1
39°	84.9	67.3	52.4	44.6	36.7	31.5	27.1	24.5	21.0	19.3	17.4
40°	70.9	56.0	43.8	36.7	31.5	26.2	23.7	20.1	18.4	16.6	14.9
42.5°	43.8	35.0	27.9	23.7	20.1	17.4	15.7	14.0	12.2	11.3	10.5
45°	27.1	21.8	17.4	14.9	12.2	11.3	10.5	8.8	8.8	7.8	7.8
47.5°	15.7	13.2	9.6	8.8	7.0	7.0	6.1	6.1	5.2	6.1	5.2
50°	8.8	6.1	5.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
51°	7.0	5.2	4.4	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4
52°	5.2	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
53°	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
54°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5	2.7	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	2.7	2.7	3.5	2.7	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212492

CATALOG NUMBER: LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
64°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
66°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	3.5	3.5	3.5	3.5
72.5°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.5
75°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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: P1212492

CATALOG NUMBER: LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	155.6	155.6	154.8	153.1	139.9	128.6	121.6	120.6
5°	156.5	154.8	151.2	148.7	125.0	110.1	101.5	100.5
7.5°	153.1	149.5	145.1	139.9	111.1	95.4	87.4	85.7
10°	147.0	140.8	135.5	128.6	97.9	83.1	76.1	74.3
11°	142.6	136.5	131.1	124.2	92.7	78.7	71.7	70.9
12°	139.0	132.1	125.0	118.9	87.4	74.3	68.2	67.3
13°	133.8	126.7	120.6	113.7	83.1	70.9	64.8	63.8
14°	129.4	121.6	115.4	109.3	78.7	66.5	62.1	61.2
15°	124.2	116.2	109.3	103.2	74.3	62.9	59.5	58.7
17.5°	110.1	101.5	95.4	89.2	63.8	55.1	52.4	53.3
20°	93.6	86.6	81.3	76.1	54.3	48.1	47.2	48.1
21°	87.4	81.3	77.0	71.7	50.7	45.5	45.5	46.3
22°	82.2	76.1	71.7	66.5	48.1	42.8	42.8	44.6
23°	77.0	70.9	66.5	62.1	44.6	41.1	41.1	42.8
24°	71.7	66.5	62.1	57.7	42.0	38.4	39.4	41.1
25°	66.5	62.1	57.7	54.3	39.4	36.7	37.6	39.4
26°	62.9	57.7	54.3	49.9	36.7	35.0	35.9	38.4
27°	57.7	53.3	49.9	46.3	35.0	33.2	35.0	36.7
28°	54.3	49.9	46.3	42.8	32.3	31.5	33.2	35.9
29°	49.9	46.3	42.8	40.2	30.6	29.8	32.3	34.0
30°	45.5	42.0	39.4	36.7	28.9	27.9	30.6	33.2
31°	42.0	39.4	36.7	34.0	27.1	27.1	29.8	32.3
32°	38.4	35.9	33.2	30.6	25.4	25.4	28.9	30.6
33°	35.0	32.3	29.8	27.9	23.7	24.5	27.1	29.8
34°	30.6	28.9	27.1	25.4	21.8	22.7	26.2	28.9
35°	27.9	26.2	24.5	22.7	21.0	21.8	25.4	27.9
36°	24.5	23.7	21.8	21.0	19.3	21.0	24.5	27.1
37°	21.8	21.0	19.3	18.4	18.4	20.1	23.7	26.2
38°	19.3	18.4	17.4	16.6	17.4	19.3	22.7	25.4
39°	16.6	15.7	15.7	14.9	16.6	18.4	21.8	24.5
40°	14.9	14.0	14.0	13.2	15.7	17.4	21.0	24.5
42.5°	10.5	10.5	10.5	10.5	13.2	15.7	19.3	22.7
45°	7.8	7.8	7.8	7.8	11.3	14.0	16.6	21.0
47.5°	6.1	6.1	6.1	6.1	10.5	13.2	15.7	18.4
50°	4.4	4.4	5.2	5.2	9.6	11.3	14.0	16.6
51°	4.4	4.4	4.4	5.2	8.8	11.3	13.2	15.7
52°	4.4	4.4	4.4	4.4	8.8	10.5	12.2	14.0
53°	3.5	4.4	4.4	4.4	7.8	10.5	11.3	13.2
54°	3.5	3.5	3.5	4.4	7.8	9.6	10.5	12.2
55°	3.5	3.5	3.5	4.4	7.0	9.6	10.5	10.5
57.5°	3.5	3.5	3.5	3.5	7.0	8.8	9.6	8.8
60°	3.5	3.5	3.5	3.5	6.1	7.8	8.8	6.1



TEST NUMBER: P1212492

CATALOG NUMBER: LDSQA6A25940D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.5	3.5	3.5	3.5	6.1	7.0	7.0	5.2
64°	3.5	3.5	3.5	3.5	6.1	7.0	7.0	5.2
65°	3.5	3.5	3.5	3.5	6.1	6.1	6.1	4.4
66°	3.5	3.5	3.5	3.5	6.1	6.1	6.1	4.4
67.5°	3.5	3.5	3.5	3.5	6.1	6.1	5.2	4.4
70°	3.5	3.5	3.5	4.4	5.2	5.2	5.2	4.4
72.5°	3.5	3.5	3.5	4.4	5.2	5.2	4.4	3.5
75°	4.4	4.4	4.4	4.4	5.2	5.2	4.4	2.7
77.5°	4.4	4.4	4.4	4.4	5.2	4.4	3.5	2.7
80°	4.4	4.4	3.5	3.5	4.4	4.4	2.7	1.7
82.5°	4.4	4.4	3.5	3.5	4.4	3.5	2.7	1.7
85°	4.4	4.4	3.5	3.5	4.4	3.5	1.7	0.9
87.5°	4.4	3.5	3.5	3.5	4.4	3.5	0.9	0.9
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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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	2.7	2.7	2.7	2.7	3.5	2.7	3.5	4.4	5.2	5.2	5.2
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	3.5

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Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	5.2	5.2	4.4	4.4	3.5	2.7	2.7	2.7	2.7	2.7	2.7
62°	3.5	3.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.5

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Scaled Data Report





61°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

Classified

Cooper Lighting Solutions Photometric Lab

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Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



61°	3.5	3.5	3.5	3.5	6.1	7.8	7.8	6.1
62°	3.5	3.5	3.5	3.5	6.1	7.0	7.8	5.2

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)