

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: P1212094

Luminaire Tested: **LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26802)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°
Description: PORTFOLIO 4" SQUARE LENSED ADJUSTABLE, SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

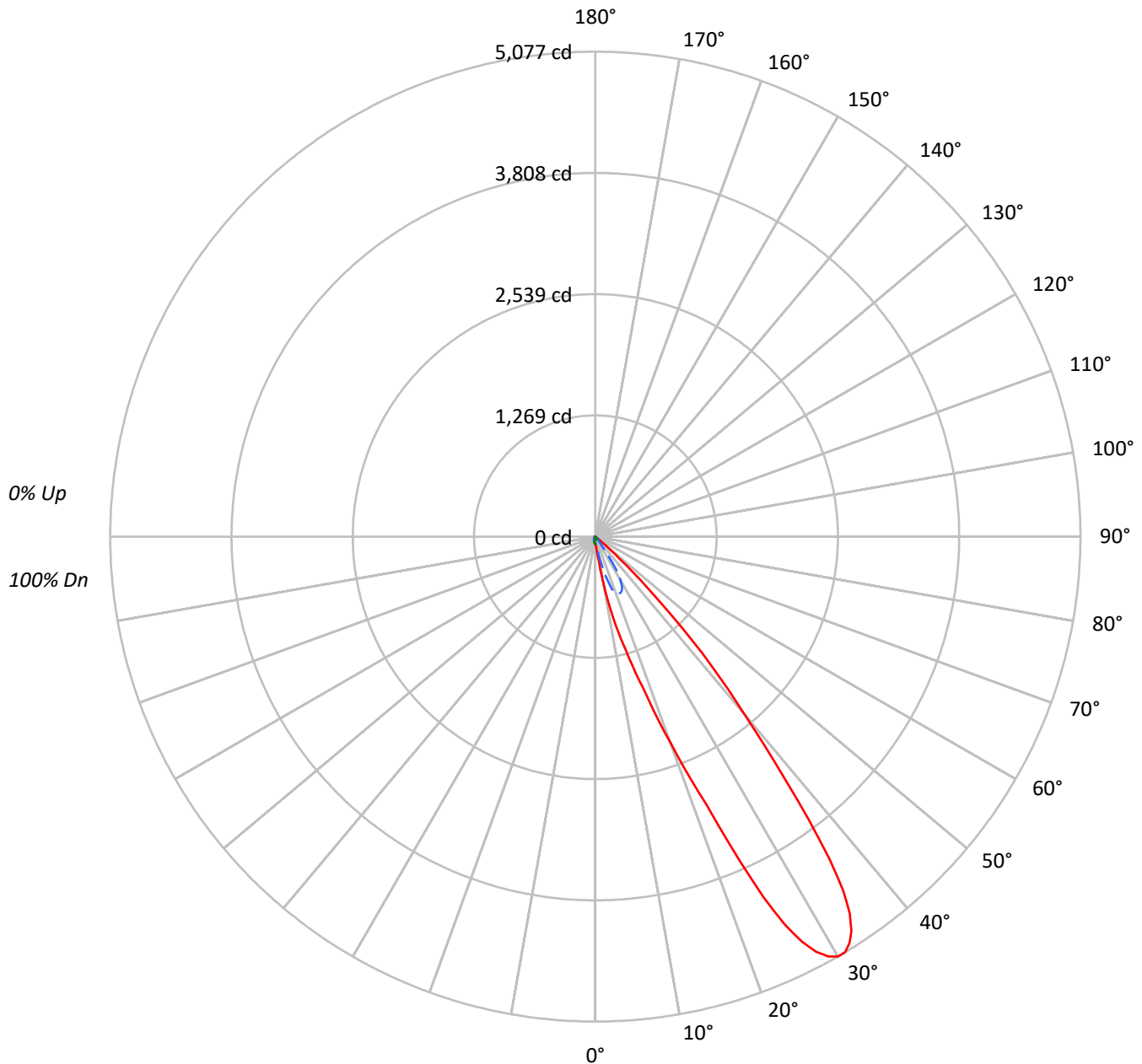
Lumens per Lamp: N/A
Luminaire Lumens: 797.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 2.26 / 0.62 / 1.11
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

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	105	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	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	63	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°	7285	7285	7285
5°	11572	6924	5981
10°	50700	6138	5096
15°	123872	4964	4433
20°	236330	3691	4062
25°	445390	2651	3549
30°	567902	1879	3121
35°	534218	1147	2673
40°	306468	784	2289
45°	118302	548	1945
50°	15734	407	1598
55°	2398	372	1351
60°	678	349	1124
65°	413	413	802
70°	255	510	623
75°	337	487	487
80°	0	725	502
85°	0	1445	445

TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	1.2
10°-20°	85.4	10.7
20°-30°	272.4	34.2
30°-40°	315.6	39.6
40°-50°	102.6	12.9
50°-60°	6.5	0.8
60°-70°	2.4	0.3
70°-80°	1.7	0.2
80°-90°	1.0	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°	367.2	46.1
0°-40°	682.8	85.7
0°-60°	792.0	99.4
0°-90°	797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	75	75	75	75	75	
5°	119	100	71	62	62	23
15°	1235	445	50	42	44	392
25°	4167	640	25	26	33	1872
35°	4517	153	10	15	23	2599
45°	864	19	4	9	14	771
55°	14	4	2	5	8	22
65°	2	1	2	4	4	2
75°	1	1	1	2	1	1
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	91.6	92.5	92.5	91.1	91.1	89.8	88.9	88.5	88.0	86.7	86.3
5°	119.0	119.9	120.3	116.8	115.5	112.8	110.6	108.4	105.7	102.6	99.5
7.5°	229.6	211.0	214.1	187.6	182.7	171.2	161.9	147.3	136.7	126.1	117.7
10°	515.4	497.7	494.6	455.7	417.2	388.4	357.4	303.9	255.3	203.5	161.5
12.5°	883.0	856.9	842.3	765.8	720.6	678.2	630.8	547.2	453.9	374.3	291.1
15°	1235.1	1232.9	1180.7	1095.3	1009.5	957.3	896.3	792.7	682.2	560.9	445.0
17.5°	1660.3	1677.5	1588.2	1421.4	1285.6	1200.6	1116.6	954.7	816.6	699.0	572.0
20°	2292.4	2246.4	2090.3	1829.2	1599.7	1471.8	1341.3	1102.9	905.1	762.7	633.9
22.5°	3035.2	2999.8	2707.8	2272.5	1908.4	1728.8	1549.2	1239.1	981.6	797.2	645.9
25°	4166.8	4021.3	3454.6	2748.1	2191.6	1937.2	1706.7	1327.6	1016.2	801.6	640.1
26°	4514.1	4411.9	3758.0	2937.0	2278.7	1994.7	1746.1	1345.7	1018.8	797.6	629.1
27°	4760.5	4682.6	4010.6	3075.9	2342.0	2034.5	1771.7	1353.2	1012.6	789.2	614.0
28°	4922.8	4860.5	4201.3	3176.3	2380.5	2055.7	1784.1	1351.5	1000.2	774.6	592.8
29°	5025.9	4965.7	4312.8	3233.4	2394.2	2059.3	1781.0	1338.2	980.3	752.9	562.3
30°	5076.8	5011.3	4350.4	3239.6	2379.1	2038.9	1757.6	1309.0	952.9	726.8	528.6
31°	5077.2	5004.7	4319.0	3191.8	2334.4	1995.6	1716.0	1260.3	917.1	695.9	483.5
32°	5018.4	4943.6	4214.1	3094.9	2264.6	1941.2	1660.3	1210.8	879.5	661.4	418.5
33°	4919.7	4831.3	4032.3	2960.4	2175.2	1866.9	1593.5	1155.5	841.9	606.1	333.1
34°	4760.5	4639.7	3778.4	2797.2	2067.3	1780.1	1516.9	1095.8	803.8	529.1	238.0
35°	4517.2	4346.8	3484.6	2616.7	1951.8	1686.4	1430.7	1033.4	757.4	434.0	152.6
36°	4165.0	3945.2	3179.0	2430.0	1832.8	1587.7	1343.1	973.2	683.9	329.1	100.0
37°	3705.4	3511.6	2886.5	2242.0	1709.4	1482.4	1263.0	912.6	593.7	230.0	81.4
38°	3233.4	3090.5	2600.8	2055.3	1581.5	1368.7	1165.7	849.4	495.0	151.3	68.1
39°	2807.8	2712.2	2321.2	1870.4	1449.7	1269.2	1068.4	768.9	389.7	107.5	57.5
40°	2423.4	2357.5	2050.9	1681.9	1317.9	1148.9	976.8	670.2	280.9	85.8	48.2
42.5°	1652.7	1620.0	1434.6	1210.4	975.0	878.1	769.3	403.0	111.5	54.4	29.2
45°	863.5	849.4	782.1	708.7	635.7	610.5	494.6	180.9	62.8	31.9	18.6
47.5°	336.2	337.1	278.7	238.0	226.1	210.1	159.3	65.0	35.4	19.5	12.4
50°	104.4	112.4	103.5	97.8	74.8	62.4	51.8	32.3	19.0	11.9	8.0
51°	64.1	68.1	64.1	64.1	52.6	46.0	39.4	24.8	15.0	9.7	7.1
52°	41.6	43.8	41.6	38.9	36.3	32.7	28.3	18.6	11.9	8.0	5.8
53°	28.3	29.6	28.3	26.5	24.3	22.6	19.9	13.7	9.7	6.6	4.9
54°	19.9	20.8	19.9	18.6	17.3	15.9	14.6	10.6	8.0	5.8	4.4
55°	14.2	15.0	14.6	13.7	12.4	11.9	11.1	8.4	6.6	4.9	3.5
57.5°	6.6	7.1	7.1	6.6	6.6	6.2	5.8	5.3	4.0	3.1	2.7
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.7	2.2	2.2
61°	2.7	2.7	2.7	2.7	2.7	2.7	3.1	2.7	2.2	2.2	1.8
62°	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.2	2.2	1.8	1.8
63°	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	1.8	1.8	1.8
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.3
65°	1.8	1.8	1.3	1.3	1.3	1.8	1.3	1.8	1.3	1.3	1.3
66°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
77.5°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.9	0.9	1.3
80°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	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

TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	83.6	81.4	80.5	79.6	79.2	78.3	77.0	75.6	75.2	73.4	71.7
5°	94.2	90.2	87.1	84.1	83.2	81.0	78.3	75.2	73.9	71.2	69.0
7.5°	106.6	98.7	92.9	87.6	85.4	82.7	77.9	73.9	71.2	67.2	64.6
10°	127.4	108.8	97.8	88.5	84.9	81.4	75.2	69.9	66.4	62.4	59.3
12.5°	201.7	141.1	106.2	88.9	84.1	78.7	71.2	65.0	60.6	56.2	53.5
15°	318.1	215.0	137.6	93.3	82.3	74.3	65.5	58.4	54.0	49.5	46.9
17.5°	424.7	289.3	179.6	104.0	83.2	70.3	58.4	51.3	46.5	42.5	40.7
20°	476.0	324.3	200.0	106.2	77.9	62.8	50.4	43.8	39.4	35.8	34.1
22.5°	480.9	322.1	187.6	90.7	64.6	53.1	42.5	36.3	32.7	30.1	28.3
25°	457.9	285.8	150.4	66.8	50.4	44.2	34.9	29.6	27.0	24.8	23.4
26°	440.2	265.0	132.3	58.0	46.0	40.3	31.9	27.4	24.8	23.0	21.7
27°	415.8	240.7	111.0	50.0	42.5	36.3	29.2	25.2	23.0	21.7	20.3
28°	386.6	216.8	92.0	44.2	38.5	32.7	27.0	23.0	21.2	19.9	18.6
29°	355.2	185.4	72.1	39.8	34.5	29.6	24.3	20.8	19.0	18.1	17.3
30°	311.0	144.2	55.3	35.8	31.0	26.5	22.1	19.0	17.7	16.8	15.9
31°	248.6	99.1	44.7	31.9	27.9	23.9	19.9	17.3	15.9	15.0	14.6
32°	178.3	61.0	38.9	28.3	24.8	21.7	17.3	15.5	14.2	13.7	13.3
33°	109.7	50.0	34.5	25.2	21.7	19.0	15.5	13.7	12.8	12.4	11.9
34°	72.1	43.4	30.5	21.7	19.0	16.4	13.3	11.9	11.5	11.1	11.1
35°	61.0	38.5	26.5	18.6	15.9	14.2	11.5	10.6	10.2	9.7	10.2
36°	52.6	33.6	22.1	15.9	13.7	11.9	10.2	9.3	8.8	8.8	9.3
37°	46.5	28.3	18.6	13.3	11.9	10.6	8.8	8.4	8.0	8.0	8.4
38°	39.4	23.0	15.5	11.5	10.2	8.8	8.0	7.5	7.5	7.5	8.0
39°	32.3	19.5	13.3	9.7	8.8	8.0	7.1	6.6	6.6	7.1	7.1
40°	26.5	16.4	11.1	8.4	7.5	7.1	6.2	6.2	6.2	6.2	6.6
42.5°	17.3	11.1	8.0	6.2	5.8	5.3	4.9	4.9	4.9	4.9	5.3
45°	11.5	8.0	6.2	4.9	4.4	4.0	4.0	3.5	4.0	4.0	4.4
47.5°	8.0	5.8	4.4	3.5	3.1	2.7	2.7	2.7	3.1	3.5	3.5
50°	5.8	4.0	3.1	2.2	2.2	2.2	2.2	2.2	2.7	2.7	3.1
51°	4.9	3.5	2.7	2.2	2.2	1.8	1.8	1.8	2.2	2.7	3.1
52°	4.0	3.1	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.7
53°	3.5	2.7	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.7
54°	3.1	2.2	1.8	1.8	1.8	1.3	1.3	1.8	1.8	2.2	2.7
55°	2.7	2.2	1.8	1.8	1.3	1.3	1.3	1.3	1.8	2.2	2.2
57.5°	2.2	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.8	1.8	2.2
60°	1.8	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.8	1.8	2.2
61°	1.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	2.2
62°	1.8	1.3	1.8	1.8	1.8	1.3	1.3	1.3	1.8	1.8	2.2
63°	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.8	1.8	1.8
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.8	1.8	2.2
65°	1.3	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.8	1.8	2.2
66°	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.3	1.8	1.8	1.8



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
72.5°	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.8	1.8
75°	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.8
80°	1.3	1.3	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	70.8	70.8	70.3	69.5	70.3	69.5	68.6	68.1	67.7	67.2	66.4
5°	67.2	66.8	65.9	65.5	65.5	64.6	63.7	62.8	62.4	61.9	61.0
7.5°	62.8	62.4	61.0	60.6	60.6	59.7	58.4	58.0	57.5	57.1	56.2
10°	57.5	57.1	55.7	55.3	55.3	54.4	53.5	52.6	52.2	51.8	50.9
12.5°	51.3	50.9	50.0	49.5	49.5	48.7	47.8	47.3	47.3	46.9	46.5
15°	45.1	44.7	43.8	43.8	43.8	42.9	42.5	42.0	42.5	42.5	42.0
17.5°	38.9	38.5	37.6	37.6	37.6	37.6	37.2	37.2	37.6	38.0	38.0
20°	32.7	32.3	32.3	31.9	32.3	32.7	32.3	32.7	33.6	34.1	34.5
22.5°	27.0	27.0	27.0	27.0	27.4	27.9	27.9	28.8	29.6	30.1	31.0
25°	22.6	22.6	23.0	23.0	23.4	23.9	24.3	24.8	26.1	27.0	27.4
26°	20.8	21.2	21.2	21.7	22.1	22.6	23.0	23.4	24.8	25.7	26.1
27°	19.5	19.5	19.9	20.3	20.8	21.2	21.7	22.6	23.4	24.3	25.2
28°	18.1	18.1	18.6	19.0	19.5	19.9	20.3	21.2	22.1	23.4	23.9
29°	16.8	17.3	17.3	17.7	18.1	18.6	19.5	19.9	21.2	22.1	23.0
30°	15.5	15.9	16.4	16.4	16.8	17.3	18.1	19.0	19.9	21.2	21.7
31°	14.6	15.0	15.0	15.5	15.9	16.4	17.3	18.1	19.0	19.9	20.8
32°	13.3	14.2	14.2	14.2	14.6	15.5	16.4	16.8	18.1	19.0	19.5
33°	12.4	12.8	13.3	13.3	13.7	14.6	15.5	15.9	17.3	18.1	18.6
34°	11.5	11.9	12.4	12.4	12.8	13.7	14.6	15.0	16.4	16.8	17.7
35°	10.6	11.1	11.5	11.5	11.9	12.8	13.7	14.2	15.0	15.9	16.8
36°	9.7	10.2	10.6	11.1	11.5	12.4	12.8	13.7	14.2	15.0	15.9
37°	8.8	9.3	10.2	10.2	11.1	11.5	12.4	12.8	13.7	14.2	15.0
38°	8.0	8.8	9.3	9.7	10.2	11.1	11.5	11.9	12.8	13.7	14.2
39°	7.5	8.4	8.8	9.3	9.7	10.2	10.6	11.5	11.9	12.8	13.3
40°	7.1	7.5	8.4	8.4	9.3	9.7	10.2	10.6	11.5	11.9	12.8
42.5°	5.8	6.6	7.1	7.5	8.0	8.4	8.8	9.3	9.7	10.6	11.1
45°	4.9	5.8	6.2	6.2	6.6	7.1	7.5	8.0	8.8	9.3	9.7
47.5°	4.0	4.9	5.3	5.8	5.8	6.2	6.6	7.1	7.5	8.0	8.4
50°	3.5	4.0	4.4	4.9	5.3	5.3	5.8	6.2	6.6	7.1	7.1
51°	3.5	4.0	4.4	4.4	4.9	5.3	5.8	5.8	6.2	6.6	6.6
52°	3.1	3.5	4.0	4.4	4.9	4.9	5.3	5.8	5.8	6.2	6.6
53°	3.1	3.5	4.0	4.0	4.4	4.9	4.9	5.3	5.8	5.8	6.2
54°	2.7	3.5	4.0	4.0	4.4	4.4	4.9	5.3	5.3	5.3	5.8
55°	2.7	3.1	3.5	4.0	4.0	4.4	4.4	4.9	4.9	5.3	5.3
57.5°	2.7	3.1	3.5	3.5	4.0	4.0	4.4	4.4	4.4	4.4	4.9
60°	2.2	2.7	3.1	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.4
61°	2.2	2.7	3.1	3.1	3.5	3.5	4.0	4.0	4.0	4.0	4.0
62°	2.2	2.7	3.1	3.1	3.5	3.5	3.5	4.0	4.0	4.0	4.0
63°	2.2	2.7	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5	4.0
64°	2.2	2.7	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	2.2	2.7	3.1	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5
66°	2.2	2.7	3.1	3.1	3.1	3.1	3.5	3.5	3.5	3.5	3.1

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
72.5°	1.8	2.2	2.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.2
75°	1.8	2.2	2.2	2.2	2.7	2.7	2.7	2.2	2.2	2.2	2.2
77.5°	1.8	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.8	1.8
80°	1.8	1.8	1.8	2.2	2.2	2.2	2.2	1.8	1.8	1.8	1.3
82.5°	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.3
85°	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.3	0.9
87.5°	1.3	1.3	1.3	1.8	1.8	1.8	1.3	1.3	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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	67.2	67.7	67.2	67.2	66.4	66.8	65.9	67.2
5°	61.5	61.9	61.5	61.5	60.6	60.6	60.2	61.5
7.5°	56.6	57.1	56.2	56.2	55.3	55.7	55.3	56.2
10°	51.8	51.8	51.8	51.3	50.9	51.3	50.9	51.8
12.5°	46.9	47.3	47.3	47.3	46.9	46.9	46.5	47.8
15°	42.9	43.4	43.8	43.8	43.4	43.8	43.4	44.2
17.5°	39.4	40.3	40.3	40.7	40.7	41.1	41.1	42.0
20°	35.8	37.2	37.2	37.6	37.6	38.5	38.5	39.4
22.5°	32.3	33.6	34.1	34.1	34.5	35.4	35.4	36.3
25°	29.2	30.5	31.0	31.0	31.4	32.3	32.3	33.2
26°	27.9	29.2	29.6	30.1	30.5	31.4	31.4	32.3
27°	26.5	27.9	28.3	28.8	29.2	30.1	30.1	31.0
28°	25.7	27.0	27.4	27.9	28.3	29.2	29.2	29.6
29°	24.3	25.7	26.1	26.5	27.0	27.9	27.9	28.8
30°	23.4	24.3	24.8	25.2	25.7	27.0	27.0	27.9
31°	22.1	23.4	23.9	24.3	24.8	25.7	25.7	27.0
32°	21.2	22.1	22.6	23.0	23.9	24.3	24.8	25.7
33°	19.9	21.2	21.7	22.1	22.6	23.4	23.9	24.8
34°	19.0	19.9	20.8	21.2	21.7	22.6	23.0	23.9
35°	18.1	19.0	19.5	19.9	20.8	21.7	21.7	22.6
36°	17.3	18.1	18.6	19.0	19.9	20.8	20.8	21.7
37°	16.4	17.3	17.7	18.1	19.0	19.9	19.9	20.8
38°	15.5	16.4	16.8	17.3	18.1	19.0	19.5	20.3
39°	14.6	15.9	16.4	16.8	17.3	18.1	18.6	19.0
40°	14.2	15.0	15.5	15.9	16.4	17.3	17.7	18.1
42.5°	11.9	13.3	13.7	14.2	14.6	15.0	15.5	15.9
45°	10.6	11.5	11.5	11.9	12.4	13.3	13.3	14.2
47.5°	9.3	9.7	10.2	10.2	10.6	11.5	11.5	11.9
50°	8.0	8.4	8.8	8.8	9.3	9.7	10.2	10.6
51°	7.5	8.0	8.0	8.4	8.8	9.3	9.7	10.2
52°	7.1	7.5	7.5	8.0	8.4	8.8	8.8	9.3
53°	6.6	7.1	7.1	7.5	7.5	8.4	8.4	8.8
54°	6.2	6.6	6.6	7.1	7.1	8.0	8.0	8.4
55°	5.8	6.2	6.6	6.6	6.6	7.1	7.5	8.0
57.5°	5.3	5.8	5.8	5.8	6.2	6.2	6.6	6.6
60°	4.4	4.9	4.9	4.9	5.3	5.3	5.3	5.8
61°	4.4	4.4	4.9	4.9	4.4	4.4	4.4	4.9
62°	4.0	4.4	4.4	4.0	4.0	4.0	4.0	4.4
63°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
64°	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	3.1	3.5
66°	3.1	3.5	3.5	3.1	3.1	3.1	3.1	3.1



TEST NUMBER: P1212094

CATALOG NUMBER: LDSQA4A10935D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
72.5°	2.2	2.2	2.2	2.2	2.2	1.8	1.8	1.8
75°	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.3
77.5°	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.9
82.5°	1.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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



Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



67.5°	1.3	1.3	1.8	1.8	1.8	1.8	1.3	1.3	1.3	1.8	1.8
70°	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.3	1.3	1.8	1.8

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



67.5°	2.2	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70°	2.2	2.2	2.7	2.7	2.7	3.1	3.1	2.7	2.7	2.7	2.7

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



67.5°	3.1	3.1	3.1	3.1	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.2	2.2	2.2	2.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)