

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: P1212276

Luminaire Tested: **LDSQA4A25940D010TE LAR15SP 4LSQAL1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212276
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: LDSQA4A25940D010TE LAR15SP 4LSQAL1H 30°
Description: PORTFOLIO 4" SQUARE LENSED ADJUSTABLE, SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

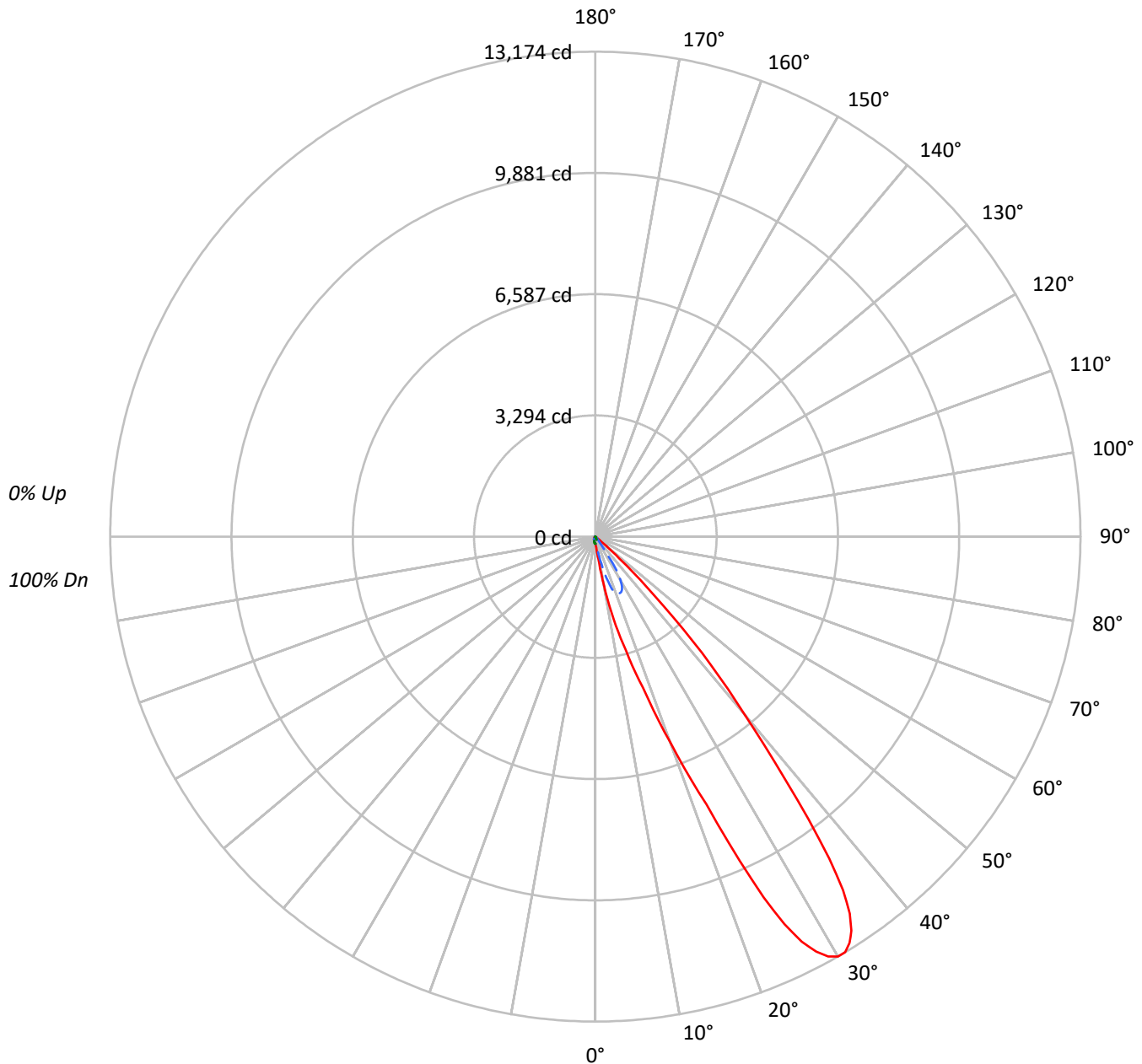
Lumens per Lamp: N/A
Luminaire Lumens: 2068.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 2.26 / 0.62 / 1.11
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60
8	70	59	52	47	69	58	52	47	57	51	47		56	50	46		55
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18900	18900	18900
5°	30029	17971	15520
10°	131540	15926	13211
15°	321408	12898	11514
20°	613206	9588	10526
25°	1155633	6873	9203
30°	1473515	4877	8088
35°	1386114	2992	6930
40°	795167	2036	5944
45°	306954	1425	5028
50°	40828	1040	4160
55°	6199	963	3496
60°	1783	891	2887
65°	1054	1054	2109
70°	651	1303	1614
75°	861	1273	1273
80°	0	1897	1283
85°	0	3779	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.2
10°-20°	221.6	10.7
20°-30°	706.8	34.2
30°-40°	819.0	39.6
40°-50°	266.3	12.9
50°-60°	16.9	0.8
60°-70°	6.1	0.3
70°-80°	4.3	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°	952.7	46.1
0°-40°	1771.7	85.7
0°-60°	2054.9	99.4
0°-90°	2068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2068.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	195	195	195	195	195	
5°	309	258	185	162	160	60
15°	3205	1155	129	110	115	1016
25°	10811	1661	64	68	86	4858
35°	11721	396	25	39	59	6744
45°	2240	48	10	23	37	2001
55°	37	9	6	13	21	57
65°	5	3	5	9	9	4
75°	2	3	3	6	3	2
85°	0	2	3	3	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1
2.5°	237.7	240.0	240.0	236.4	236.4	232.9	230.7	229.6	228.4	225.0	223.9
5°	308.8	311.0	312.2	303.1	299.6	292.7	287.0	281.2	274.3	266.3	258.3
7.5°	595.7	547.5	555.6	486.7	474.0	444.2	420.1	382.2	354.7	327.1	305.4
10°	1337.2	1291.3	1283.3	1182.3	1082.4	1007.8	927.4	788.5	662.3	528.0	419.0
12.5°	2291.0	2223.3	2185.5	1986.9	1869.9	1759.6	1636.8	1419.8	1177.7	971.1	755.3
15°	3204.7	3199.0	3063.6	2842.0	2619.4	2483.9	2325.5	2056.9	1770.0	1455.5	1154.7
17.5°	4307.8	4352.6	4120.8	3688.0	3335.5	3115.2	2897.2	2477.0	2118.9	1813.5	1484.1
20°	5948.1	5828.7	5423.5	4746.3	4150.5	3818.8	3480.2	2861.5	2348.5	1978.8	1644.9
22.5°	7875.3	7783.4	7025.9	5896.4	4951.8	4485.7	4019.7	3215.1	2547.0	2068.4	1675.9
25°	10811.4	10433.9	8963.5	7130.3	5686.4	5026.3	4428.3	3444.7	2636.6	2079.9	1660.9
26°	11712.5	11447.4	9750.9	7620.5	5912.4	5175.5	4530.5	3491.7	2643.4	2069.6	1632.2
27°	12351.8	12149.8	10406.3	7980.8	6076.6	5278.9	4597.1	3511.2	2627.4	2047.8	1593.2
28°	12773.0	12611.2	10901.0	8241.4	6176.5	5334.0	4629.2	3506.6	2595.2	2009.9	1538.0
29°	13040.5	12884.4	11190.2	8389.5	6212.1	5343.2	4621.1	3472.2	2543.6	1953.7	1458.9
30°	13172.6	13002.6	11287.8	8405.5	6173.0	5290.4	4560.3	3396.4	2472.5	1886.0	1371.7
31°	13173.7	12985.4	11206.3	8281.6	6057.1	5177.8	4452.4	3270.1	2379.4	1805.6	1254.6
32°	13021.0	12827.0	10934.2	8030.2	5875.7	5036.7	4307.8	3141.6	2281.9	1716.0	1085.9
33°	12765.1	12535.5	10462.5	7681.3	5643.9	4843.8	4134.4	2998.1	2184.3	1572.5	864.3
34°	12351.8	12038.5	9803.7	7257.8	5363.9	4618.8	3935.9	2843.1	2085.7	1372.8	617.5
35°	11720.6	11278.6	9041.5	6789.4	5064.2	4375.5	3712.1	2681.3	1965.0	1126.1	396.0
36°	10806.9	10236.4	8248.4	6305.1	4755.5	4119.6	3484.8	2525.2	1774.6	853.9	259.4
37°	9614.2	9111.5	7489.6	5817.2	4435.2	3846.4	3277.1	2367.9	1540.3	596.9	211.2
38°	8389.5	8018.8	6748.1	5332.8	4103.5	3551.4	3024.5	2203.8	1284.4	392.5	176.7
39°	7285.3	7037.3	6022.7	4853.1	3761.5	3293.1	2772.1	1994.9	1011.2	278.9	149.2
40°	6287.8	6116.8	5321.3	4364.1	3419.4	2981.0	2534.4	1739.0	728.9	222.7	125.1
42.5°	4288.3	4203.4	3722.4	3140.5	2529.8	2278.5	1996.1	1045.7	289.3	141.2	75.8
45°	2240.5	2203.8	2029.3	1838.8	1649.4	1584.0	1283.3	469.5	163.0	82.7	48.2
47.5°	872.3	874.7	723.1	617.5	586.5	545.2	413.2	168.7	91.9	50.5	32.2
50°	270.9	291.6	268.6	253.7	194.0	161.9	134.3	83.8	49.3	31.0	20.7
51°	166.5	176.7	166.5	166.5	136.6	119.3	102.1	64.3	39.0	25.3	18.4
52°	108.0	113.6	108.0	101.0	94.2	84.9	73.5	48.2	31.0	20.7	14.9
53°	73.5	76.9	73.5	68.9	63.1	58.6	51.6	35.5	25.3	17.2	12.7
54°	51.6	53.9	51.6	48.2	44.8	41.4	37.8	27.6	20.7	14.9	11.5
55°	36.7	39.0	37.8	35.5	32.2	31.0	28.7	21.8	17.2	12.7	9.2
57.5°	17.2	18.4	18.4	17.2	17.2	16.1	14.9	13.8	10.4	8.0	6.9
60°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	6.9	5.7	5.7
61°	6.9	6.9	6.9	6.9	6.9	6.9	8.0	6.9	5.7	5.7	4.6
62°	5.7	5.7	5.7	5.7	5.7	6.9	6.9	5.7	5.7	4.6	4.6
63°	4.6	4.6	4.6	4.6	5.7	5.7	5.7	5.7	4.6	4.6	4.6
64°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4
65°	4.6	4.6	3.4	3.4	3.4	4.6	3.4	4.6	3.4	3.4	3.4
66°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
77.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.3	2.3	3.4
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	2.3
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.3	2.3
85°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	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

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1
2.5°	216.9	211.2	208.9	206.6	205.5	203.1	199.7	196.3	195.1	190.5	185.9
5°	244.5	234.1	226.2	218.1	215.8	210.1	203.1	195.1	191.7	184.8	179.0
7.5°	276.6	256.0	241.1	227.3	221.6	214.6	202.0	191.7	184.8	174.5	167.5
10°	330.5	282.4	253.7	229.6	220.4	211.2	195.1	181.3	172.2	161.9	153.8
12.5°	523.4	366.2	275.5	230.7	218.1	204.3	184.8	168.7	157.3	145.8	138.9
15°	825.3	557.8	357.0	242.2	213.5	192.8	169.8	151.5	140.1	128.6	121.6
17.5°	1102.0	750.7	466.0	269.8	215.8	182.5	151.5	133.1	120.5	110.2	105.5
20°	1235.1	841.4	518.8	275.5	202.0	163.0	130.8	113.6	102.1	93.0	88.4
22.5°	1247.7	835.6	486.7	235.2	167.5	137.7	110.2	94.2	84.9	78.1	73.5
25°	1188.0	741.5	390.2	173.4	130.8	114.8	90.7	76.9	70.0	64.3	60.8
26°	1142.1	687.5	343.2	150.4	119.3	104.4	82.7	71.1	64.3	59.7	56.2
27°	1078.9	624.4	288.1	129.7	110.2	94.2	75.8	65.4	59.7	56.2	52.8
28°	1003.3	562.4	238.8	114.8	99.8	84.9	70.0	59.7	55.1	51.6	48.2
29°	921.8	480.9	187.0	103.2	89.5	76.9	63.1	53.9	49.3	47.0	44.8
30°	806.9	374.2	143.5	93.0	80.4	68.9	57.4	49.3	45.9	43.6	41.4
31°	645.1	257.1	115.9	82.7	72.3	62.0	51.6	44.8	41.4	39.0	37.8
32°	462.5	158.4	101.0	73.5	64.3	56.2	44.8	40.1	36.7	35.5	34.4
33°	284.6	129.7	89.5	65.4	56.2	49.3	40.1	35.5	33.3	32.2	31.0
34°	187.0	112.5	79.2	56.2	49.3	42.5	34.4	31.0	29.9	28.7	28.7
35°	158.4	99.8	68.9	48.2	41.4	36.7	29.9	27.6	26.5	25.3	26.5
36°	136.6	87.2	57.4	41.4	35.5	31.0	26.5	24.0	23.0	23.0	24.0
37°	120.5	73.5	48.2	34.4	31.0	27.6	23.0	21.8	20.7	20.7	21.8
38°	102.1	59.7	40.1	29.9	26.5	23.0	20.7	19.5	19.5	19.5	20.7
39°	83.8	50.5	34.4	25.3	23.0	20.7	18.4	17.2	17.2	18.4	18.4
40°	68.9	42.5	28.7	21.8	19.5	18.4	16.1	16.1	16.1	16.1	17.2
42.5°	44.8	28.7	20.7	16.1	14.9	13.8	12.7	12.7	12.7	12.7	13.8
45°	29.9	20.7	16.1	12.7	11.5	10.4	10.4	9.2	10.4	10.4	11.5
47.5°	20.7	14.9	11.5	9.2	8.0	6.9	6.9	6.9	8.0	9.2	9.2
50°	14.9	10.4	8.0	5.7	5.7	5.7	5.7	5.7	6.9	6.9	8.0
51°	12.7	9.2	6.9	5.7	5.7	4.6	4.6	4.6	5.7	6.9	8.0
52°	10.4	8.0	5.7	4.6	4.6	4.6	4.6	4.6	5.7	5.7	6.9
53°	9.2	6.9	5.7	4.6	4.6	4.6	4.6	4.6	5.7	5.7	6.9
54°	8.0	5.7	4.6	4.6	4.6	3.4	3.4	4.6	4.6	5.7	6.9
55°	6.9	5.7	4.6	4.6	3.4	3.4	3.4	3.4	4.6	5.7	5.7
57.5°	5.7	4.6	4.6	3.4	3.4	3.4	3.4	3.4	4.6	4.6	5.7
60°	4.6	4.6	4.6	3.4	3.4	3.4	3.4	3.4	4.6	4.6	5.7
61°	4.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6	5.7
62°	4.6	3.4	4.6	4.6	4.6	3.4	3.4	3.4	4.6	4.6	5.7
63°	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	4.6	4.6	4.6
64°	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6	5.7
65°	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6	5.7
66°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
72.5°	3.4	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6
75°	3.4	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	4.6
77.5°	3.4	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	4.6
80°	3.4	3.4	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	4.6	4.6	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	4.6	4.6	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1
2.5°	183.6	183.6	182.5	180.2	182.5	180.2	177.9	176.7	175.7	174.5	172.2
5°	174.5	173.4	171.0	169.8	169.8	167.5	165.3	163.0	161.9	160.7	158.4
7.5°	163.0	161.9	158.4	157.3	157.3	154.9	151.5	150.4	149.2	148.1	145.8
10°	149.2	148.1	144.6	143.5	143.5	141.2	138.9	136.6	135.4	134.3	132.0
12.5°	133.1	132.0	129.7	128.6	128.6	126.3	124.0	122.8	122.8	121.6	120.5
15°	117.0	115.9	113.6	113.6	113.6	111.3	110.2	109.1	110.2	110.2	109.1
17.5°	101.0	99.8	97.6	97.6	97.6	97.6	96.5	96.5	97.6	98.7	98.7
20°	84.9	83.8	83.8	82.7	83.8	84.9	83.8	84.9	87.2	88.4	89.5
22.5°	70.0	70.0	70.0	70.0	71.1	72.3	72.3	74.6	76.9	78.1	80.4
25°	58.6	58.6	59.7	59.7	60.8	62.0	63.1	64.3	67.7	70.0	71.1
26°	53.9	55.1	55.1	56.2	57.4	58.6	59.7	60.8	64.3	66.6	67.7
27°	50.5	50.5	51.6	52.8	53.9	55.1	56.2	58.6	60.8	63.1	65.4
28°	47.0	47.0	48.2	49.3	50.5	51.6	52.8	55.1	57.4	60.8	62.0
29°	43.6	44.8	44.8	45.9	47.0	48.2	50.5	51.6	55.1	57.4	59.7
30°	40.1	41.4	42.5	42.5	43.6	44.8	47.0	49.3	51.6	55.1	56.2
31°	37.8	39.0	39.0	40.1	41.4	42.5	44.8	47.0	49.3	51.6	53.9
32°	34.4	36.7	36.7	36.7	37.8	40.1	42.5	43.6	47.0	49.3	50.5
33°	32.2	33.3	34.4	34.4	35.5	37.8	40.1	41.4	44.8	47.0	48.2
34°	29.9	31.0	32.2	32.2	33.3	35.5	37.8	39.0	42.5	43.6	45.9
35°	27.6	28.7	29.9	29.9	31.0	33.3	35.5	36.7	39.0	41.4	43.6
36°	25.3	26.5	27.6	28.7	29.9	32.2	33.3	35.5	36.7	39.0	41.4
37°	23.0	24.0	26.5	26.5	28.7	29.9	32.2	33.3	35.5	36.7	39.0
38°	20.7	23.0	24.0	25.3	26.5	28.7	29.9	31.0	33.3	35.5	36.7
39°	19.5	21.8	23.0	24.0	25.3	26.5	27.6	29.9	31.0	33.3	34.4
40°	18.4	19.5	21.8	21.8	24.0	25.3	26.5	27.6	29.9	31.0	33.3
42.5°	14.9	17.2	18.4	19.5	20.7	21.8	23.0	24.0	25.3	27.6	28.7
45°	12.7	14.9	16.1	16.1	17.2	18.4	19.5	20.7	23.0	24.0	25.3
47.5°	10.4	12.7	13.8	14.9	14.9	16.1	17.2	18.4	19.5	20.7	21.8
50°	9.2	10.4	11.5	12.7	13.8	13.8	14.9	16.1	17.2	18.4	18.4
51°	9.2	10.4	11.5	11.5	12.7	13.8	14.9	14.9	16.1	17.2	17.2
52°	8.0	9.2	10.4	11.5	12.7	12.7	13.8	14.9	14.9	16.1	17.2
53°	8.0	9.2	10.4	10.4	11.5	12.7	12.7	13.8	14.9	14.9	16.1
54°	6.9	9.2	10.4	10.4	11.5	11.5	12.7	13.8	13.8	13.8	14.9
55°	6.9	8.0	9.2	10.4	10.4	11.5	11.5	12.7	12.7	13.8	13.8
57.5°	6.9	8.0	9.2	9.2	10.4	10.4	11.5	11.5	11.5	11.5	12.7
60°	5.7	6.9	8.0	9.2	9.2	10.4	10.4	10.4	10.4	10.4	11.5
61°	5.7	6.9	8.0	8.0	9.2	9.2	10.4	10.4	10.4	10.4	10.4
62°	5.7	6.9	8.0	8.0	9.2	9.2	9.2	10.4	10.4	10.4	10.4
63°	5.7	6.9	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2	10.4
64°	5.7	6.9	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2
65°	5.7	6.9	8.0	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2
66°	5.7	6.9	8.0	8.0	8.0	8.0	9.2	9.2	9.2	9.2	8.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212276

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
72.5°	4.6	5.7	5.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.7
75°	4.6	5.7	5.7	5.7	6.9	6.9	6.9	5.7	5.7	5.7	5.7
77.5°	4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.6	4.6
80°	4.6	4.6	4.6	5.7	5.7	5.7	5.7	4.6	4.6	4.6	3.4
82.5°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4
85°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	2.3
87.5°	3.4	3.4	3.4	4.6	4.6	4.6	3.4	3.4	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: P1212276

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	195.1	195.1	195.1	195.1	195.1	195.1	195.1	195.1
2.5°	174.5	175.7	174.5	174.5	172.2	173.4	171.0	174.5
5°	159.6	160.7	159.6	159.6	157.3	157.3	156.2	159.6
7.5°	146.9	148.1	145.8	145.8	143.5	144.6	143.5	145.8
10°	134.3	134.3	134.3	133.1	132.0	133.1	132.0	134.3
12.5°	121.6	122.8	122.8	122.8	121.6	121.6	120.5	124.0
15°	111.3	112.5	113.6	113.6	112.5	113.6	112.5	114.8
17.5°	102.1	104.4	104.4	105.5	105.5	106.8	106.8	109.1
20°	93.0	96.5	96.5	97.6	97.6	99.8	99.8	102.1
22.5°	83.8	87.2	88.4	88.4	89.5	91.9	91.9	94.2
25°	75.8	79.2	80.4	80.4	81.5	83.8	83.8	86.1
26°	72.3	75.8	76.9	78.1	79.2	81.5	81.5	83.8
27°	68.9	72.3	73.5	74.6	75.8	78.1	78.1	80.4
28°	66.6	70.0	71.1	72.3	73.5	75.8	75.8	76.9
29°	63.1	66.6	67.7	68.9	70.0	72.3	72.3	74.6
30°	60.8	63.1	64.3	65.4	66.6	70.0	70.0	72.3
31°	57.4	60.8	62.0	63.1	64.3	66.6	66.6	70.0
32°	55.1	57.4	58.6	59.7	62.0	63.1	64.3	66.6
33°	51.6	55.1	56.2	57.4	58.6	60.8	62.0	64.3
34°	49.3	51.6	53.9	55.1	56.2	58.6	59.7	62.0
35°	47.0	49.3	50.5	51.6	53.9	56.2	56.2	58.6
36°	44.8	47.0	48.2	49.3	51.6	53.9	53.9	56.2
37°	42.5	44.8	45.9	47.0	49.3	51.6	51.6	53.9
38°	40.1	42.5	43.6	44.8	47.0	49.3	50.5	52.8
39°	37.8	41.4	42.5	43.6	44.8	47.0	48.2	49.3
40°	36.7	39.0	40.1	41.4	42.5	44.8	45.9	47.0
42.5°	31.0	34.4	35.5	36.7	37.8	39.0	40.1	41.4
45°	27.6	29.9	29.9	31.0	32.2	34.4	34.4	36.7
47.5°	24.0	25.3	26.5	26.5	27.6	29.9	29.9	31.0
50°	20.7	21.8	23.0	23.0	24.0	25.3	26.5	27.6
51°	19.5	20.7	20.7	21.8	23.0	24.0	25.3	26.5
52°	18.4	19.5	19.5	20.7	21.8	23.0	23.0	24.0
53°	17.2	18.4	18.4	19.5	19.5	21.8	21.8	23.0
54°	16.1	17.2	17.2	18.4	18.4	20.7	20.7	21.8
55°	14.9	16.1	17.2	17.2	17.2	18.4	19.5	20.7
57.5°	13.8	14.9	14.9	14.9	16.1	16.1	17.2	17.2
60°	11.5	12.7	12.7	12.7	13.8	13.8	13.8	14.9
61°	11.5	11.5	12.7	12.7	11.5	11.5	11.5	12.7
62°	10.4	11.5	11.5	10.4	10.4	10.4	10.4	11.5
63°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
64°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
65°	9.2	9.2	9.2	9.2	9.2	9.2	8.0	9.2
66°	8.0	9.2	9.2	8.0	8.0	8.0	8.0	8.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212276

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
72.5°	5.7	5.7	5.7	5.7	5.7	4.6	4.6	4.6
75°	5.7	4.6	4.6	4.6	4.6	4.6	4.6	3.4
77.5°	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3
82.5°	3.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	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

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

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— 0°-180° - - 45°-225° - - - 90°-270°

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Peachtree City, GA 30269

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67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4

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67.5°	3.4	3.4	4.6	4.6	4.6	4.6	3.4	3.4	3.4	4.6	4.6
70°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6

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Peachtree City, GA 30269

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67.5°	5.7	6.9	6.9	6.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	5.7	5.7	6.9	6.9	6.9	8.0	8.0	6.9	6.9	6.9	6.9

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Peachtree City, GA 30269

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67.5°	8.0	8.0	8.0	8.0	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	5.7	5.7	5.7	5.7

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Peachtree City, GA 30269

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(END OF REPORT)