

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: P1212248

Luminaire Tested: **LDSQA4A25930D010TE LAR15SP 4LSQAL1H 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: P1212248
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: LDSQA4A25930D010TE LAR15SP 4LSQAL1H 30°
Description: PORTFOLIO 4" SQUARE LENSED ADJUSTABLE, SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

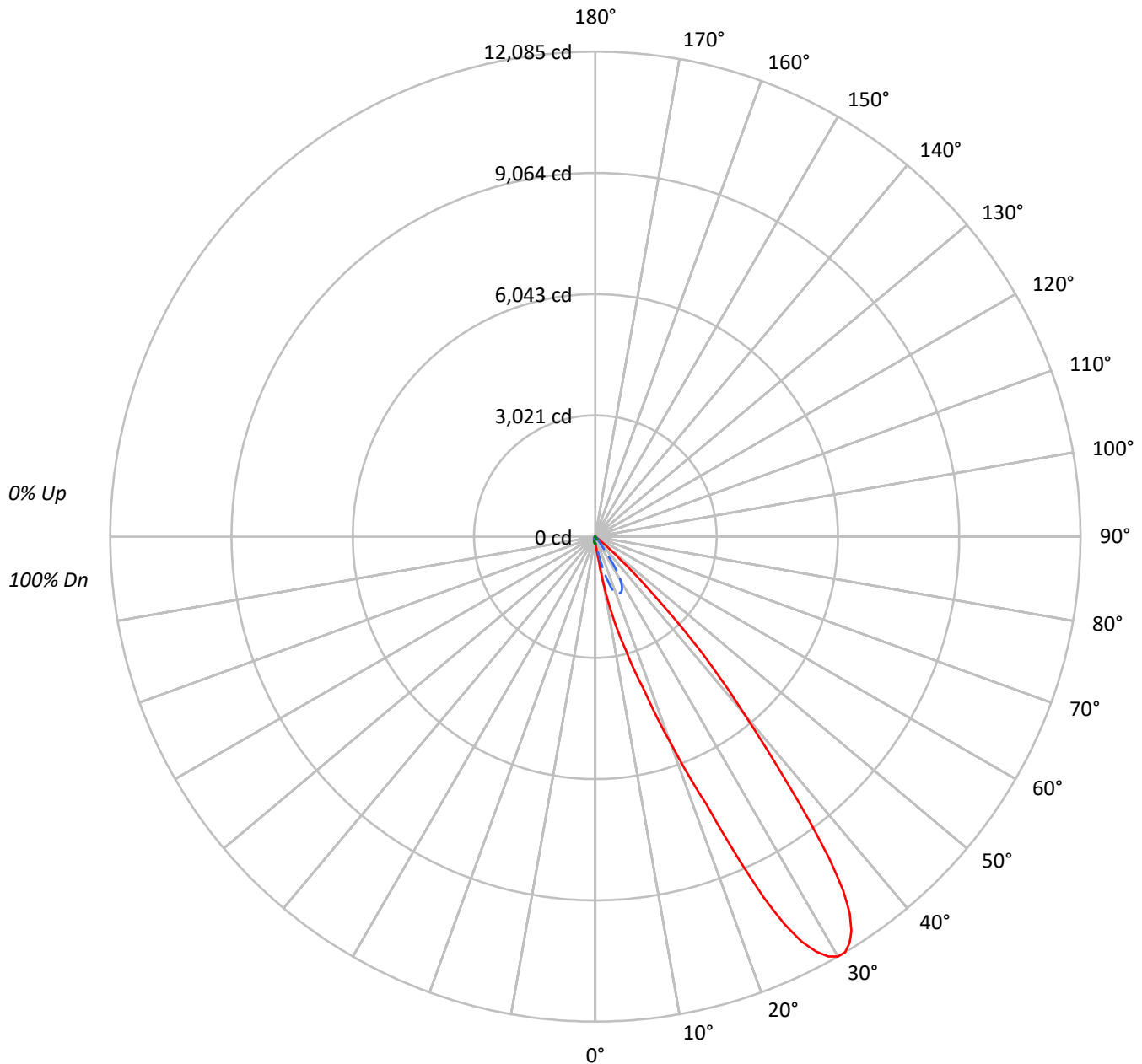
Lumens per Lamp: N/A
Luminaire Lumens: 1897.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 2.26 / 0.62 / 1.11
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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



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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	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	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	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°	17341	17341	17341
5°	27550	16483	14237
10°	120670	14598	12129
15°	294851	11825	10551
20°	562525	8794	9660
25°	1060126	6307	8434
30°	1351731	4474	7428
35°	1271553	2744	6351
40°	729457	1859	5463
45°	281595	1302	4617
50°	37452	949	3813
55°	5692	878	3192
60°	1628	814	2654
65°	963	963	1926
70°	595	1190	1473
75°	786	1160	1160
80°	0	1729	1172
85°	0	3446	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	1.2
10°-20°	203.3	10.7
20°-30°	648.4	34.2
30°-40°	751.3	39.6
40°-50°	244.3	12.9
50°-60°	15.5	0.8
60°-70°	5.6	0.3
70°-80°	4.0	0.2
80°-90°	2.4	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°	874.0	46.1
0°-40°	1625.3	85.7
0°-60°	1885.1	99.4
0°-90°	1897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1897.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	179	179	179	179	179	
5°	283	237	170	148	146	55
15°	2940	1059	118	101	105	932
25°	9918	1524	59	62	79	4456
35°	10752	363	23	36	54	6186
45°	2055	44	10	21	34	1835
55°	34	8	5	12	19	52
65°	4	3	4	8	8	4
75°	2	3	3	5	3	1
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	217.9	220.1	220.1	216.9	216.9	213.8	211.7	210.6	209.6	206.3	205.3
5°	283.3	285.4	286.4	278.0	274.8	268.6	263.2	258.0	251.6	244.3	236.9
7.5°	546.5	502.3	509.6	446.4	434.9	407.5	385.4	350.6	325.4	300.1	280.1
10°	1226.7	1184.6	1177.2	1084.6	993.0	924.5	850.8	723.4	607.5	484.4	384.4
12.5°	2101.7	2039.6	2004.9	1822.7	1715.4	1614.3	1501.6	1302.5	1080.4	890.8	692.8
15°	2939.9	2934.6	2810.3	2607.1	2402.8	2278.6	2133.3	1887.0	1623.6	1335.1	1059.3
17.5°	3951.7	3992.8	3780.2	3383.2	3060.0	2857.8	2657.7	2272.3	1943.9	1663.7	1361.5
20°	5456.5	5347.0	4975.3	4354.0	3807.5	3503.2	3192.6	2625.1	2154.4	1815.4	1508.9
22.5°	7224.4	7140.2	6445.2	5409.1	4542.5	4115.0	3687.5	2949.4	2336.5	1897.4	1537.3
25°	9917.9	9571.5	8222.6	6541.1	5216.4	4611.0	4062.3	3160.0	2418.6	1908.0	1523.6
26°	10744.6	10501.3	8945.0	6990.7	5423.8	4747.9	4156.2	3203.2	2425.0	1898.5	1497.4
27°	11331.0	11145.7	9546.3	7321.4	5574.5	4842.6	4217.2	3221.1	2410.3	1878.5	1461.5
28°	11717.5	11569.1	10000.1	7560.3	5666.0	4893.2	4246.7	3216.9	2380.8	1843.8	1411.1
29°	11962.9	11819.7	10265.4	7696.3	5698.7	4901.6	4239.2	3185.2	2333.3	1792.1	1338.3
30°	12083.9	11928.1	10355.0	7711.0	5662.9	4853.2	4183.5	3115.8	2268.1	1730.1	1258.3
31°	12084.9	11912.3	10280.1	7597.2	5556.6	4750.0	4084.5	3000.0	2182.8	1656.4	1150.9
32°	11945.0	11767.0	10030.6	7366.6	5390.2	4620.5	3951.7	2882.0	2093.3	1574.2	996.1
33°	11710.1	11499.6	9597.9	7046.5	5177.5	4443.6	3792.8	2750.3	2003.9	1442.6	792.9
34°	11331.0	11043.6	8993.4	6658.0	4920.6	4237.2	3610.7	2608.2	1913.2	1259.3	566.5
35°	10751.9	10346.6	8294.3	6228.4	4645.6	4013.9	3405.3	2459.7	1802.7	1032.9	363.3
36°	9913.8	9390.5	7566.7	5784.0	4362.5	3779.2	3196.8	2316.5	1627.9	783.4	238.0
37°	8819.7	8358.5	6870.6	5336.5	4068.7	3528.5	3006.2	2172.2	1413.1	547.5	193.7
38°	7696.3	7356.1	6190.4	4892.2	3764.4	3257.8	2774.6	2021.7	1178.3	360.1	162.2
39°	6683.2	6455.8	5524.9	4451.9	3450.6	3020.9	2543.0	1830.1	927.6	255.9	136.9
40°	5768.2	5611.2	4881.6	4003.4	3136.8	2734.5	2325.0	1595.2	668.6	204.3	114.8
42.5°	3933.9	3856.0	3414.8	2880.9	2320.8	2090.2	1831.1	959.2	265.3	129.5	69.5
45°	2055.4	2021.7	1861.6	1686.9	1513.2	1453.2	1177.2	430.7	149.5	75.8	44.2
47.5°	800.2	802.4	663.4	566.5	538.0	500.2	379.0	154.8	84.2	46.3	29.5
50°	248.5	267.5	246.4	232.7	177.9	148.4	123.3	76.9	45.3	28.5	18.9
51°	152.7	162.2	152.7	152.7	125.3	109.5	93.7	59.0	35.8	23.2	16.8
52°	99.0	104.2	99.0	92.6	86.4	77.9	67.4	44.2	28.5	18.9	13.7
53°	67.4	70.6	67.4	63.1	57.9	53.7	47.3	32.6	23.2	15.8	11.6
54°	47.3	49.5	47.3	44.2	41.1	38.0	34.7	25.3	18.9	13.7	10.6
55°	33.7	35.8	34.7	32.6	29.5	28.5	26.3	19.9	15.8	11.6	8.4
57.5°	15.8	16.8	16.8	15.8	15.8	14.7	13.7	12.7	9.5	7.4	6.3
60°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	6.3	5.2	5.2
61°	6.3	6.3	6.3	6.3	6.3	6.3	7.4	6.3	5.2	5.2	4.2
62°	5.2	5.2	5.2	5.2	5.2	6.3	6.3	5.2	5.2	4.2	4.2
63°	4.2	4.2	4.2	4.2	5.2	5.2	5.2	5.2	4.2	4.2	4.2
64°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.1
65°	4.2	4.2	3.1	3.1	3.1	4.2	3.1	4.2	3.1	3.1	3.1
66°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



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CATALOG NUMBER: LDSQA4A25930D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1
77.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.1	2.1	3.1
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.1	2.1
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	199.1	193.7	191.6	189.5	188.5	186.4	183.3	180.0	179.0	174.8	170.6
5°	224.3	214.8	207.4	200.1	198.0	192.7	186.4	179.0	175.8	169.5	164.2
7.5°	253.8	234.8	221.1	208.4	203.2	196.9	185.3	175.8	169.5	160.0	153.8
10°	303.2	259.0	232.7	210.6	202.2	193.7	179.0	166.5	157.9	148.4	141.1
12.5°	480.1	335.9	252.7	211.7	200.1	187.4	169.5	154.8	144.3	133.7	127.4
15°	757.0	511.7	327.5	222.2	195.9	176.9	155.9	139.0	128.5	117.9	111.6
17.5°	1010.9	688.7	427.6	247.5	198.0	167.5	139.0	122.1	110.6	101.1	96.9
20°	1133.0	771.8	476.0	252.7	185.3	149.5	120.0	104.2	93.7	85.3	81.1
22.5°	1144.6	766.6	446.4	215.9	153.8	126.4	101.1	86.4	77.9	71.6	67.4
25°	1089.8	680.2	358.0	159.0	120.0	105.2	83.2	70.6	64.2	59.0	55.8
26°	1047.8	630.8	314.9	138.0	109.5	95.9	75.8	65.4	59.0	54.8	51.6
27°	989.8	572.9	264.3	119.0	101.1	86.4	69.5	60.0	54.8	51.6	48.4
28°	920.3	516.0	219.0	105.2	91.6	77.9	64.2	54.8	50.5	47.3	44.2
29°	845.6	441.2	171.7	94.8	82.2	70.6	57.9	49.5	45.3	43.2	41.1
30°	740.2	343.3	131.6	85.3	73.7	63.1	52.7	45.3	42.1	40.0	38.0
31°	591.8	235.8	106.3	75.8	66.4	56.8	47.3	41.1	38.0	35.8	34.7
32°	424.3	145.3	92.6	67.4	59.0	51.6	41.1	36.9	33.7	32.6	31.6
33°	261.1	119.0	82.2	60.0	51.6	45.3	36.9	32.6	30.5	29.5	28.5
34°	171.7	103.2	72.6	51.6	45.3	39.0	31.6	28.5	27.4	26.3	26.3
35°	145.3	91.6	63.1	44.2	38.0	33.7	27.4	25.3	24.2	23.2	24.2
36°	125.3	80.1	52.7	38.0	32.6	28.5	24.2	22.2	21.0	21.0	22.2
37°	110.6	67.4	44.2	31.6	28.5	25.3	21.0	19.9	18.9	18.9	19.9
38°	93.7	54.8	36.9	27.4	24.2	21.0	18.9	17.9	17.9	17.9	18.9
39°	76.9	46.3	31.6	23.2	21.0	18.9	16.8	15.8	15.8	16.8	16.8
40°	63.1	39.0	26.3	19.9	17.9	16.8	14.7	14.7	14.7	14.7	15.8
42.5°	41.1	26.3	18.9	14.7	13.7	12.7	11.6	11.6	11.6	11.6	12.7
45°	27.4	18.9	14.7	11.6	10.6	9.5	9.5	8.4	9.5	9.5	10.6
47.5°	18.9	13.7	10.6	8.4	7.4	6.3	6.3	6.3	7.4	8.4	8.4
50°	13.7	9.5	7.4	5.2	5.2	5.2	5.2	5.2	6.3	6.3	7.4
51°	11.6	8.4	6.3	5.2	5.2	4.2	4.2	4.2	5.2	6.3	7.4
52°	9.5	7.4	5.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2	6.3
53°	8.4	6.3	5.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2	6.3
54°	7.4	5.2	4.2	4.2	4.2	3.1	3.1	4.2	4.2	5.2	6.3
55°	6.3	5.2	4.2	4.2	3.1	3.1	3.1	3.1	4.2	5.2	5.2
57.5°	5.2	4.2	4.2	3.1	3.1	3.1	3.1	3.1	4.2	4.2	5.2
60°	4.2	4.2	4.2	3.1	3.1	3.1	3.1	3.1	4.2	4.2	5.2
61°	4.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	5.2
62°	4.2	3.1	4.2	4.2	4.2	3.1	3.1	3.1	4.2	4.2	5.2
63°	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	4.2	4.2	4.2
64°	4.2	4.2	4.2	4.2	4.2	4.2	3.1	3.1	4.2	4.2	5.2
65°	3.1	4.2	4.2	4.2	4.2	4.2	3.1	3.1	4.2	4.2	5.2
66°	3.1	4.2	4.2	4.2	4.2	4.2	4.2	3.1	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
72.5°	3.1	3.1	4.2	4.2	4.2	4.2	4.2	3.1	3.1	4.2	4.2
75°	3.1	3.1	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	4.2
77.5°	3.1	3.1	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	4.2
80°	3.1	3.1	4.2	4.2	4.2	4.2	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	4.2	4.2	3.1	3.1	3.1	3.1	3.1	3.1
85°	3.1	3.1	3.1	4.2	4.2	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	168.5	168.5	167.5	165.3	167.5	165.3	163.2	162.2	161.1	160.0	157.9
5°	160.0	159.0	156.9	155.9	155.9	153.8	151.6	149.5	148.4	147.4	145.3
7.5°	149.5	148.4	145.3	144.3	144.3	142.1	139.0	138.0	136.9	135.8	133.7
10°	136.9	135.8	132.6	131.6	131.6	129.5	127.4	125.3	124.3	123.3	121.0
12.5°	122.1	121.0	119.0	117.9	117.9	115.8	113.8	112.7	112.7	111.6	110.6
15°	107.4	106.3	104.2	104.2	104.2	102.1	101.1	100.0	101.1	101.1	100.0
17.5°	92.6	91.6	89.5	89.5	89.5	89.5	88.4	88.4	89.5	90.5	90.5
20°	77.9	76.9	76.9	75.8	76.9	77.9	76.9	77.9	80.1	81.1	82.2
22.5°	64.2	64.2	64.2	64.2	65.4	66.4	66.4	68.5	70.6	71.6	73.7
25°	53.7	53.7	54.8	54.8	55.8	56.8	57.9	59.0	62.1	64.2	65.4
26°	49.5	50.5	50.5	51.6	52.7	53.7	54.8	55.8	59.0	61.1	62.1
27°	46.3	46.3	47.3	48.4	49.5	50.5	51.6	53.7	55.8	57.9	60.0
28°	43.2	43.2	44.2	45.3	46.3	47.3	48.4	50.5	52.7	55.8	56.8
29°	40.0	41.1	41.1	42.1	43.2	44.2	46.3	47.3	50.5	52.7	54.8
30°	36.9	38.0	39.0	39.0	40.0	41.1	43.2	45.3	47.3	50.5	51.6
31°	34.7	35.8	35.8	36.9	38.0	39.0	41.1	43.2	45.3	47.3	49.5
32°	31.6	33.7	33.7	33.7	34.7	36.9	39.0	40.0	43.2	45.3	46.3
33°	29.5	30.5	31.6	31.6	32.6	34.7	36.9	38.0	41.1	43.2	44.2
34°	27.4	28.5	29.5	29.5	30.5	32.6	34.7	35.8	39.0	40.0	42.1
35°	25.3	26.3	27.4	27.4	28.5	30.5	32.6	33.7	35.8	38.0	40.0
36°	23.2	24.2	25.3	26.3	27.4	29.5	30.5	32.6	33.7	35.8	38.0
37°	21.0	22.2	24.2	24.2	26.3	27.4	29.5	30.5	32.6	33.7	35.8
38°	18.9	21.0	22.2	23.2	24.2	26.3	27.4	28.5	30.5	32.6	33.7
39°	17.9	19.9	21.0	22.2	23.2	24.2	25.3	27.4	28.5	30.5	31.6
40°	16.8	17.9	19.9	19.9	22.2	23.2	24.2	25.3	27.4	28.5	30.5
42.5°	13.7	15.8	16.8	17.9	18.9	19.9	21.0	22.2	23.2	25.3	26.3
45°	11.6	13.7	14.7	14.7	15.8	16.8	17.9	18.9	21.0	22.2	23.2
47.5°	9.5	11.6	12.7	13.7	13.7	14.7	15.8	16.8	17.9	18.9	19.9
50°	8.4	9.5	10.6	11.6	12.7	12.7	13.7	14.7	15.8	16.8	16.8
51°	8.4	9.5	10.6	10.6	11.6	12.7	13.7	13.7	14.7	15.8	15.8
52°	7.4	8.4	9.5	10.6	11.6	11.6	12.7	13.7	13.7	14.7	15.8
53°	7.4	8.4	9.5	9.5	10.6	11.6	11.6	12.7	13.7	13.7	14.7
54°	6.3	8.4	9.5	9.5	10.6	10.6	11.6	12.7	12.7	12.7	13.7
55°	6.3	7.4	8.4	9.5	9.5	10.6	10.6	11.6	11.6	12.7	12.7
57.5°	6.3	7.4	8.4	8.4	9.5	9.5	10.6	10.6	10.6	10.6	11.6
60°	5.2	6.3	7.4	8.4	8.4	9.5	9.5	9.5	9.5	9.5	10.6
61°	5.2	6.3	7.4	7.4	8.4	8.4	9.5	9.5	9.5	9.5	9.5
62°	5.2	6.3	7.4	7.4	8.4	8.4	8.4	9.5	9.5	9.5	9.5
63°	5.2	6.3	7.4	7.4	8.4	8.4	8.4	8.4	8.4	8.4	9.5
64°	5.2	6.3	7.4	7.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
65°	5.2	6.3	7.4	7.4	7.4	8.4	8.4	8.4	8.4	8.4	8.4
66°	5.2	6.3	7.4	7.4	7.4	7.4	8.4	8.4	8.4	8.4	7.4

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212248

CATALOG NUMBER: LDSQA4A25930D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
72.5°	4.2	5.2	5.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.2
75°	4.2	5.2	5.2	5.2	6.3	6.3	6.3	5.2	5.2	5.2	5.2
77.5°	4.2	4.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2
80°	4.2	4.2	4.2	5.2	5.2	5.2	5.2	4.2	4.2	4.2	3.1
82.5°	3.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1
85°	3.1	4.2	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	2.1
87.5°	3.1	3.1	3.1	4.2	4.2	4.2	3.1	3.1	2.1	2.1	2.1
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

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212248

CATALOG NUMBER: LDSQA4A25930D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	160.0	161.1	160.0	160.0	157.9	159.0	156.9	160.0
5°	146.4	147.4	146.4	146.4	144.3	144.3	143.2	146.4
7.5°	134.8	135.8	133.7	133.7	131.6	132.6	131.6	133.7
10°	123.3	123.3	123.3	122.1	121.0	122.1	121.0	123.3
12.5°	111.6	112.7	112.7	112.7	111.6	111.6	110.6	113.8
15°	102.1	103.2	104.2	104.2	103.2	104.2	103.2	105.2
17.5°	93.7	95.9	95.9	96.9	96.9	98.0	98.0	100.0
20°	85.3	88.4	88.4	89.5	89.5	91.6	91.6	93.7
22.5°	76.9	80.1	81.1	81.1	82.2	84.2	84.2	86.4
25°	69.5	72.6	73.7	73.7	74.7	76.9	76.9	78.9
26°	66.4	69.5	70.6	71.6	72.6	74.7	74.7	76.9
27°	63.1	66.4	67.4	68.5	69.5	71.6	71.6	73.7
28°	61.1	64.2	65.4	66.4	67.4	69.5	69.5	70.6
29°	57.9	61.1	62.1	63.1	64.2	66.4	66.4	68.5
30°	55.8	57.9	59.0	60.0	61.1	64.2	64.2	66.4
31°	52.7	55.8	56.8	57.9	59.0	61.1	61.1	64.2
32°	50.5	52.7	53.7	54.8	56.8	57.9	59.0	61.1
33°	47.3	50.5	51.6	52.7	53.7	55.8	56.8	59.0
34°	45.3	47.3	49.5	50.5	51.6	53.7	54.8	56.8
35°	43.2	45.3	46.3	47.3	49.5	51.6	51.6	53.7
36°	41.1	43.2	44.2	45.3	47.3	49.5	49.5	51.6
37°	39.0	41.1	42.1	43.2	45.3	47.3	47.3	49.5
38°	36.9	39.0	40.0	41.1	43.2	45.3	46.3	48.4
39°	34.7	38.0	39.0	40.0	41.1	43.2	44.2	45.3
40°	33.7	35.8	36.9	38.0	39.0	41.1	42.1	43.2
42.5°	28.5	31.6	32.6	33.7	34.7	35.8	36.9	38.0
45°	25.3	27.4	27.4	28.5	29.5	31.6	31.6	33.7
47.5°	22.2	23.2	24.2	24.2	25.3	27.4	27.4	28.5
50°	18.9	19.9	21.0	21.0	22.2	23.2	24.2	25.3
51°	17.9	18.9	18.9	19.9	21.0	22.2	23.2	24.2
52°	16.8	17.9	17.9	18.9	19.9	21.0	21.0	22.2
53°	15.8	16.8	16.8	17.9	17.9	19.9	19.9	21.0
54°	14.7	15.8	15.8	16.8	16.8	18.9	18.9	19.9
55°	13.7	14.7	15.8	15.8	15.8	16.8	17.9	18.9
57.5°	12.7	13.7	13.7	13.7	14.7	14.7	15.8	15.8
60°	10.6	11.6	11.6	11.6	12.7	12.7	12.7	13.7
61°	10.6	10.6	11.6	11.6	10.6	10.6	10.6	11.6
62°	9.5	10.6	10.6	9.5	9.5	9.5	9.5	10.6
63°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
64°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
65°	8.4	8.4	8.4	8.4	8.4	8.4	7.4	8.4
66°	7.4	8.4	8.4	7.4	7.4	7.4	7.4	7.4

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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212248

CATALOG NUMBER: LDSQA4A25930D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
72.5°	5.2	5.2	5.2	5.2	5.2	4.2	4.2	4.2
75°	5.2	4.2	4.2	4.2	4.2	4.2	4.2	3.1
77.5°	4.2	4.2	4.2	4.2	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1
82.5°	3.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	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

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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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67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1

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67.5°	3.1	3.1	4.2	4.2	4.2	4.2	3.1	3.1	3.1	4.2	4.2
70°	3.1	4.2	4.2	4.2	4.2	4.2	4.2	3.1	3.1	4.2	4.2

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67.5°	5.2	6.3	6.3	6.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	5.2	5.2	6.3	6.3	6.3	7.4	7.4	6.3	6.3	6.3	6.3

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67.5°	7.4	7.4	7.4	7.4	6.3	6.3	6.3	6.3
70°	6.3	6.3	6.3	6.3	5.2	5.2	5.2	5.2

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Peachtree City, GA 30269

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(END OF REPORT)