

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: P1212234

Luminaire Tested: **LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212234
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: LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°
Description: PORTFOLIO 4" SQUARE LENSED ADJUSTABLE, SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

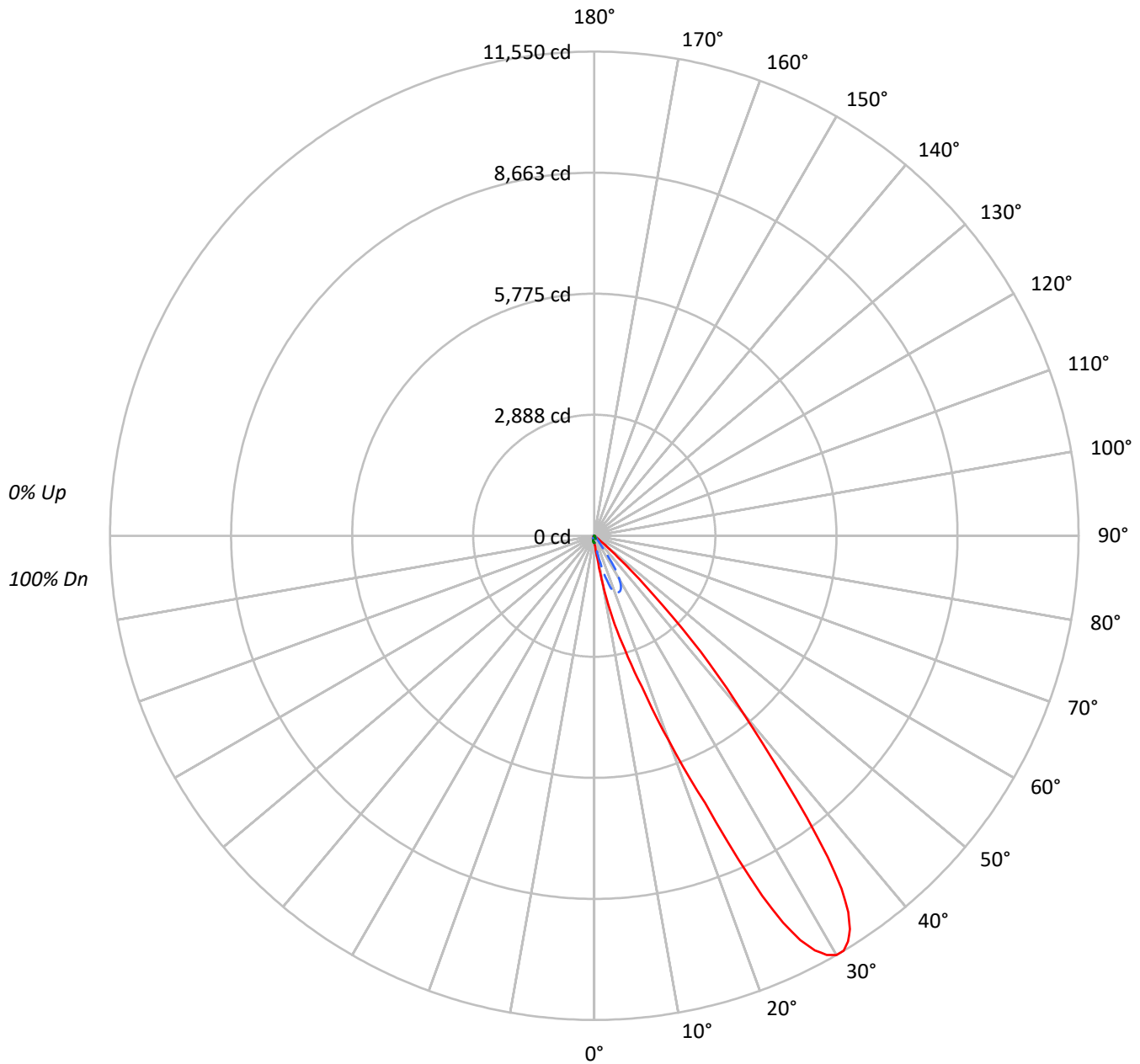
Lumens per Lamp: N/A
Luminaire Lumens: 1813.2 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 2.26 / 0.62 / 1.11
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104	110	107	105	102		103	101	99		99	98	96		96	94	93
2	106	100	95	91	103	98	94	90		95	91	88		92	89	86		89	87	84
3	99	91	85	81	97	90	85	80		87	83	79		85	81	78		82	79	76
4	93	84	77	72	91	82	76	71		80	75	71		78	73	70		76	72	69
5	86	76	69	64	85	75	69	64		74	68	63		72	67	63		70	66	62
6	81	70	63	58	79	69	62	58		68	62	57		66	61	57		65	60	56
7	75	64	57	52	74	63	57	52		62	56	51		61	55	51		60	55	51
8	70	59	52	47	69	58	52	47		57	51	47		56	50	46		55	50	46
9	66	54	47	42	65	54	47	42		53	46	42		52	46	42		51	46	42
10	62	50	43	38	60	50	43	38		49	42	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16575	16575	16575
5°	26334	15754	13605
10°	115339	13959	11588
15°	281813	11303	10089
20°	537639	8402	9237
25°	1013234	6029	8070
30°	1291929	4284	7092
35°	1215307	2625	6067
40°	697184	1783	5223
45°	269142	1233	4411
50°	35794	904	3647
55°	5438	844	3057
60°	1569	775	2558
65°	917	917	1857
70°	566	1133	1416
75°	749	1160	1160
80°	0	1729	1116
85°	0	3446	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	1.2
10°-20°	194.3	10.7
20°-30°	619.7	34.2
30°-40°	718.1	39.6
40°-50°	233.5	12.9
50°-60°	14.8	0.8
60°-70°	5.4	0.3
70°-80°	3.8	0.2
80°-90°	2.3	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°	835.3	46.1
0°-40°	1553.4	85.7
0°-60°	1801.7	99.4
0°-90°	1813.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	171	171	171	171	171	
5°	271	226	162	142	140	53
15°	2810	1012	113	97	101	891
25°	9479	1456	56	59	76	4259
35°	10276	347	22	34	51	5913
45°	1964	42	9	20	32	1754
55°	32	8	5	11	18	50
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°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	208.4	210.4	210.4	207.3	207.3	204.3	202.3	201.3	200.3	197.2	196.3
5°	270.8	272.7	273.8	265.7	262.6	256.7	251.6	246.6	240.5	233.4	226.4
7.5°	522.4	480.1	487.1	426.7	415.6	389.5	368.3	335.1	311.0	286.8	267.7
10°	1172.5	1132.2	1125.2	1036.5	949.0	883.6	813.2	691.4	580.7	462.9	367.4
12.5°	2008.8	1949.4	1916.2	1742.0	1639.4	1542.8	1435.1	1244.9	1032.5	851.4	662.2
15°	2809.9	2804.8	2686.0	2491.8	2296.6	2177.9	2039.0	1803.4	1551.8	1276.1	1012.4
17.5°	3777.0	3816.2	3613.0	3233.5	2924.6	2731.3	2540.1	2171.8	1857.8	1590.1	1301.3
20°	5215.1	5110.4	4755.3	4161.4	3639.1	3348.3	3051.4	2508.9	2059.1	1735.0	1442.1
22.5°	6904.8	6824.3	6160.1	5169.8	4341.6	3932.9	3524.4	2818.9	2233.2	1813.5	1469.3
25°	9479.2	9148.1	7858.9	6251.7	4985.6	4407.0	3882.7	3020.1	2311.7	1823.5	1456.3
26°	10269.2	10036.7	8549.3	6681.4	5183.9	4537.8	3972.2	3061.4	2317.7	1814.5	1431.1
27°	10829.7	10652.6	9123.9	6997.3	5327.8	4628.3	4030.6	3078.5	2303.6	1795.4	1396.8
28°	11199.0	11057.2	9557.6	7225.9	5415.4	4676.7	4058.8	3074.5	2275.4	1762.2	1348.6
29°	11433.6	11296.7	9811.2	7355.7	5446.6	4684.8	4051.7	3044.3	2230.2	1712.9	1279.1
30°	11549.3	11400.4	9896.8	7369.8	5412.3	4638.4	3998.4	2977.9	2167.8	1653.5	1202.7
31°	11550.3	11385.2	9825.4	7261.0	5310.7	4539.8	3903.8	2867.2	2086.2	1583.1	1100.0
32°	11416.4	11246.4	9586.8	7040.7	5151.6	4416.1	3777.0	2754.5	2000.7	1504.6	952.0
33°	11192.0	10990.8	9173.2	6734.7	4948.4	4247.0	3625.0	2628.7	1915.1	1378.8	757.8
34°	10829.7	10555.0	8595.5	6363.4	4702.8	4049.7	3450.9	2492.8	1828.6	1203.6	541.5
35°	10276.3	9888.7	7927.3	5952.7	4440.2	3836.3	3254.6	2350.9	1722.9	987.3	347.2
36°	9475.2	8975.0	7231.9	5528.1	4169.5	3611.9	3055.4	2214.1	1555.8	748.7	227.4
37°	8429.5	7988.8	6566.7	5100.3	3888.7	3372.4	2873.2	2076.2	1350.6	523.3	185.2
38°	7355.7	7030.7	5916.6	4675.6	3597.8	3113.8	2651.8	1932.2	1126.1	344.1	155.0
39°	6387.5	6170.2	5280.6	4255.0	3297.9	2887.4	2430.4	1749.1	886.7	244.6	130.8
40°	5513.0	5363.1	4665.7	3826.3	2998.1	2613.6	2222.1	1524.7	639.1	195.2	109.8
42.5°	3759.9	3685.4	3263.8	2753.5	2218.1	1997.6	1750.1	916.8	253.6	123.8	66.4
45°	1964.5	1932.2	1779.3	1612.3	1446.2	1388.7	1125.2	411.6	142.9	72.4	42.3
47.5°	764.8	766.8	634.0	541.5	514.3	478.0	362.3	147.9	80.6	44.3	28.2
50°	237.5	255.6	235.4	222.4	170.1	141.9	117.8	73.5	43.3	27.2	18.1
51°	146.0	155.0	146.0	146.0	119.7	104.7	89.6	56.4	34.2	22.2	16.1
52°	94.6	99.7	94.6	88.5	82.5	74.4	64.4	42.3	27.2	18.1	13.2
53°	64.4	67.4	64.4	60.4	55.3	51.3	45.3	31.2	22.2	15.1	11.0
54°	45.3	47.3	45.3	42.3	39.3	36.3	33.2	24.2	18.1	13.2	10.1
55°	32.2	34.2	33.2	31.2	28.2	27.2	25.2	19.1	15.1	11.0	8.1
57.5°	15.1	16.1	16.1	15.1	15.1	14.1	13.2	12.1	9.0	7.0	6.0
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.0	5.0	5.0
61°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	6.0	5.0	5.0	4.0
62°	5.0	5.0	5.0	5.0	5.0	6.0	6.0	5.0	5.0	4.0	4.0
63°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0
64°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.1
65°	4.0	4.0	3.1	3.1	3.1	4.0	3.1	4.0	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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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1
77.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0	2.0	3.1
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0	2.0
85°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0	2.0
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°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	190.2	185.2	183.2	181.2	180.1	178.1	175.1	172.1	171.1	167.1	163.0
5°	214.4	205.3	198.3	191.3	189.3	184.2	178.1	171.1	168.0	162.0	157.0
7.5°	242.5	224.4	211.3	199.2	194.3	188.2	177.2	168.0	162.0	153.0	146.9
10°	289.9	247.5	222.4	201.3	193.3	185.2	171.1	159.0	150.9	141.9	134.8
12.5°	459.0	321.0	241.5	202.3	191.3	179.2	162.0	147.9	137.9	127.8	121.8
15°	723.6	489.1	313.0	212.4	187.1	169.1	148.9	132.8	122.8	112.7	106.7
17.5°	966.2	658.2	408.6	236.5	189.3	160.0	132.8	116.8	105.7	96.6	92.6
20°	1082.9	737.7	455.0	241.5	177.2	142.9	114.7	99.7	89.6	81.5	77.5
22.5°	1094.0	732.6	426.7	206.3	146.9	120.8	96.6	82.5	74.4	68.5	64.4
25°	1041.5	650.1	342.1	151.9	114.7	100.6	79.5	67.4	61.4	56.4	53.3
26°	1001.4	602.8	300.9	131.8	104.7	91.6	72.4	62.3	56.4	52.3	49.3
27°	946.0	547.5	252.5	113.8	96.6	82.5	66.4	57.3	52.3	49.3	46.3
28°	879.6	493.1	209.3	100.6	87.6	74.4	61.4	52.3	48.3	45.3	42.3
29°	808.1	421.6	164.0	90.5	78.4	67.4	55.3	47.3	43.3	41.3	39.3
30°	707.5	328.0	125.8	81.5	70.5	60.4	50.3	43.3	40.3	38.3	36.3
31°	565.6	225.4	101.7	72.4	63.4	54.3	45.3	39.3	36.3	34.2	33.2
32°	405.5	138.9	88.5	64.4	56.4	49.3	39.3	35.2	32.2	31.2	30.2
33°	249.6	113.8	78.4	57.3	49.3	43.3	35.2	31.2	29.2	28.2	27.2
34°	164.0	98.6	69.4	49.3	43.3	37.3	30.2	27.2	26.2	25.2	25.2
35°	138.9	87.6	60.4	42.3	36.3	32.2	26.2	24.2	23.1	22.2	23.1
36°	119.7	76.4	50.3	36.3	31.2	27.2	23.1	21.1	20.2	20.2	21.1
37°	105.7	64.4	42.3	30.2	27.2	24.2	20.2	19.1	18.1	18.1	19.1
38°	89.6	52.3	35.2	26.2	23.1	20.2	18.1	17.1	17.1	17.1	18.1
39°	73.5	44.3	30.2	22.2	20.2	18.1	16.1	15.1	15.1	16.1	16.1
40°	60.4	37.3	25.2	19.1	17.1	16.1	14.1	14.1	14.1	14.1	15.1
42.5°	39.3	25.2	18.1	14.1	13.2	12.1	11.0	11.0	11.0	11.0	12.1
45°	26.2	18.1	14.1	11.0	10.1	9.0	9.0	8.1	9.0	9.0	10.1
47.5°	18.1	13.2	10.1	8.1	7.0	6.0	6.0	6.0	7.0	8.1	8.1
50°	13.2	9.0	7.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	7.0
51°	11.0	8.1	6.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	7.0
52°	9.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0
53°	8.1	6.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0
54°	7.0	5.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0	5.0	6.0
55°	6.0	5.0	4.0	4.0	3.1	3.1	3.1	3.1	4.0	5.0	5.0
57.5°	5.0	4.0	4.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0	5.0
60°	4.0	4.0	4.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0	5.0
61°	4.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	5.0
62°	4.0	3.1	4.0	4.0	4.0	3.1	3.1	3.1	4.0	4.0	5.0
63°	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1	4.0	4.0	4.0
64°	4.0	4.0	4.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0	5.0
65°	3.1	4.0	4.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0	5.0
66°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	3.1	4.0	4.0	4.0



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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	4.0	4.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0
75°	3.1	3.1	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1	4.0
77.5°	3.1	3.1	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1	4.0
80°	3.1	3.1	4.0	4.0	4.0	4.0	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	4.0	4.0	3.1	3.1	3.1	3.1	3.1	3.1
85°	3.1	3.1	3.1	4.0	4.0	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

TEST NUMBER: P1212234

CATALOG NUMBER: LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	161.0	161.0	160.0	158.0	160.0	158.0	155.9	155.0	153.9	153.0	150.9
5°	153.0	151.9	149.9	148.9	148.9	146.9	144.9	142.9	141.9	140.9	138.9
7.5°	142.9	141.9	138.9	137.9	137.9	135.9	132.8	131.8	130.8	129.8	127.8
10°	130.8	129.8	126.8	125.8	125.8	123.8	121.8	119.7	118.8	117.8	115.8
12.5°	116.8	115.8	113.8	112.7	112.7	110.7	108.7	107.7	107.7	106.7	105.7
15°	102.6	101.7	99.7	99.7	99.7	97.7	96.6	95.6	96.6	96.6	95.6
17.5°	88.5	87.6	85.6	85.6	85.6	85.6	84.5	84.5	85.6	86.5	86.5
20°	74.4	73.5	73.5	72.4	73.5	74.4	73.5	74.4	76.4	77.5	78.4
22.5°	61.4	61.4	61.4	61.4	62.3	63.4	63.4	65.4	67.4	68.5	70.5
25°	51.3	51.3	52.3	52.3	53.3	54.3	55.3	56.4	59.3	61.4	62.3
26°	47.3	48.3	48.3	49.3	50.3	51.3	52.3	53.3	56.4	58.4	59.3
27°	44.3	44.3	45.3	46.3	47.3	48.3	49.3	51.3	53.3	55.3	57.3
28°	41.3	41.3	42.3	43.3	44.3	45.3	46.3	48.3	50.3	53.3	54.3
29°	38.3	39.3	39.3	40.3	41.3	42.3	44.3	45.3	48.3	50.3	52.3
30°	35.2	36.3	37.3	37.3	38.3	39.3	41.3	43.3	45.3	48.3	49.3
31°	33.2	34.2	34.2	35.2	36.3	37.3	39.3	41.3	43.3	45.3	47.3
32°	30.2	32.2	32.2	32.2	33.2	35.2	37.3	38.3	41.3	43.3	44.3
33°	28.2	29.2	30.2	30.2	31.2	33.2	35.2	36.3	39.3	41.3	42.3
34°	26.2	27.2	28.2	28.2	29.2	31.2	33.2	34.2	37.3	38.3	40.3
35°	24.2	25.2	26.2	26.2	27.2	29.2	31.2	32.2	34.2	36.3	38.3
36°	22.2	23.1	24.2	25.2	26.2	28.2	29.2	31.2	32.2	34.2	36.3
37°	20.2	21.1	23.1	23.1	25.2	26.2	28.2	29.2	31.2	32.2	34.2
38°	18.1	20.2	21.1	22.2	23.1	25.2	26.2	27.2	29.2	31.2	32.2
39°	17.1	19.1	20.2	21.1	22.2	23.1	24.2	26.2	27.2	29.2	30.2
40°	16.1	17.1	19.1	19.1	21.1	22.2	23.1	24.2	26.2	27.2	29.2
42.5°	13.2	15.1	16.1	17.1	18.1	19.1	20.2	21.1	22.2	24.2	25.2
45°	11.0	13.2	14.1	14.1	15.1	16.1	17.1	18.1	20.2	21.1	22.2
47.5°	9.0	11.0	12.1	13.2	13.2	14.1	15.1	16.1	17.1	18.1	19.1
50°	8.1	9.0	10.1	11.0	12.1	12.1	13.2	14.1	15.1	16.1	16.1
51°	8.1	9.0	10.1	10.1	11.0	12.1	13.2	13.2	14.1	15.1	15.1
52°	7.0	8.1	9.0	10.1	11.0	11.0	12.1	13.2	13.2	14.1	15.1
53°	7.0	8.1	9.0	9.0	10.1	11.0	11.0	12.1	13.2	13.2	14.1
54°	6.0	8.1	9.0	9.0	10.1	10.1	11.0	12.1	12.1	12.1	13.2
55°	6.0	7.0	8.1	9.0	9.0	10.1	10.1	11.0	11.0	12.1	12.1
57.5°	6.0	7.0	8.1	8.1	9.0	9.0	10.1	10.1	10.1	10.1	11.0
60°	5.0	6.0	7.0	8.1	8.1	9.0	9.0	9.0	9.0	9.0	10.1
61°	5.0	6.0	7.0	7.0	8.1	8.1	9.0	9.0	9.0	9.0	9.0
62°	5.0	6.0	7.0	7.0	8.1	8.1	8.1	9.0	9.0	9.0	9.0
63°	5.0	6.0	7.0	7.0	8.1	8.1	8.1	8.1	8.1	8.1	9.0
64°	5.0	6.0	7.0	7.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
65°	5.0	6.0	7.0	7.0	7.0	8.1	8.1	8.1	8.1	8.1	8.1
66°	5.0	6.0	7.0	7.0	7.0	7.0	8.1	8.1	8.1	8.1	7.0



TEST NUMBER: P1212234

CATALOG NUMBER: LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
72.5°	4.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0
75°	4.0	5.0	5.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
77.5°	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0
80°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	3.1
82.5°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1
85°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1	2.0
87.5°	3.1	3.1	3.1	4.0	4.0	4.0	3.1	3.1	2.0	2.0	2.0
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

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Peachtree City, GA 30269



TEST NUMBER: P1212234

CATALOG NUMBER: LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	153.0	153.9	153.0	153.0	150.9	151.9	149.9	153.0
5°	139.9	140.9	139.9	139.9	137.9	137.9	136.9	139.9
7.5°	128.8	129.8	127.8	127.8	125.8	126.8	125.8	127.8
10°	117.8	117.8	117.8	116.8	115.8	116.8	115.8	117.8
12.5°	106.7	107.7	107.7	107.7	106.7	106.7	105.7	108.7
15°	97.7	98.6	99.7	99.7	98.6	99.7	98.6	100.6
17.5°	89.6	91.6	91.6	92.6	92.6	93.6	93.6	95.6
20°	81.5	84.5	84.5	85.6	85.6	87.6	87.6	89.6
22.5°	73.5	76.4	77.5	77.5	78.4	80.6	80.6	82.5
25°	66.4	69.4	70.5	70.5	71.4	73.5	73.5	75.5
26°	63.4	66.4	67.4	68.5	69.4	71.4	71.4	73.5
27°	60.4	63.4	64.4	65.4	66.4	68.5	68.5	70.5
28°	58.4	61.4	62.3	63.4	64.4	66.4	66.4	67.4
29°	55.3	58.4	59.3	60.4	61.4	63.4	63.4	65.4
30°	53.3	55.3	56.4	57.3	58.4	61.4	61.4	63.4
31°	50.3	53.3	54.3	55.3	56.4	58.4	58.4	61.4
32°	48.3	50.3	51.3	52.3	54.3	55.3	56.4	58.4
33°	45.3	48.3	49.3	50.3	51.3	53.3	54.3	56.4
34°	43.3	45.3	47.3	48.3	49.3	51.3	52.3	54.3
35°	41.3	43.3	44.3	45.3	47.3	49.3	49.3	51.3
36°	39.3	41.3	42.3	43.3	45.3	47.3	47.3	49.3
37°	37.3	39.3	40.3	41.3	43.3	45.3	45.3	47.3
38°	35.2	37.3	38.3	39.3	41.3	43.3	44.3	46.3
39°	33.2	36.3	37.3	38.3	39.3	41.3	42.3	43.3
40°	32.2	34.2	35.2	36.3	37.3	39.3	40.3	41.3
42.5°	27.2	30.2	31.2	32.2	33.2	34.2	35.2	36.3
45°	24.2	26.2	26.2	27.2	28.2	30.2	30.2	32.2
47.5°	21.1	22.2	23.1	23.1	24.2	26.2	26.2	27.2
50°	18.1	19.1	20.2	20.2	21.1	22.2	23.1	24.2
51°	17.1	18.1	18.1	19.1	20.2	21.1	22.2	23.1
52°	16.1	17.1	17.1	18.1	19.1	20.2	20.2	21.1
53°	15.1	16.1	16.1	17.1	17.1	19.1	19.1	20.2
54°	14.1	15.1	15.1	16.1	16.1	18.1	18.1	19.1
55°	13.2	14.1	15.1	15.1	15.1	16.1	17.1	18.1
57.5°	12.1	13.2	13.2	13.2	14.1	14.1	15.1	15.1
60°	10.1	11.0	11.0	11.0	12.1	12.1	12.1	13.2
61°	10.1	10.1	11.0	11.0	10.1	10.1	10.1	11.0
62°	9.0	10.1	10.1	9.0	9.0	9.0	9.0	10.1
63°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
64°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
65°	8.1	8.1	8.1	8.1	8.1	8.1	7.0	8.1
66°	7.0	8.1	8.1	7.0	7.0	7.0	7.0	7.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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TEST NUMBER: P1212234

CATALOG NUMBER: LDSQA4A25927D010TE LAR15SP 4LSQAL1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
72.5°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0
75°	5.0	4.0	4.0	4.0	4.0	4.0	4.0	3.1
77.5°	4.0	4.0	4.0	4.0	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1	3.1	2.0	2.0
82.5°	3.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	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

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Peachtree City, GA 30269



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— 0°-180° - - 45°-225° - - - 90°-270°

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67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1

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67.5°	3.1	3.1	4.0	4.0	4.0	4.0	3.1	3.1	3.1	4.0	4.0
70°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	3.1	3.1	4.0	4.0

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67.5°	5.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
70°	5.0	5.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0	6.0

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67.5°	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0
70°	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0

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Scaled Data Report



(END OF REPORT)