

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: P1192022

Luminaire Tested: **LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt**

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: P1192022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26297)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt
Description: PORTFOLIO 6" Lensed Adjustable, Self-flange Trim Ring, 35° Flood Optic, at 30° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

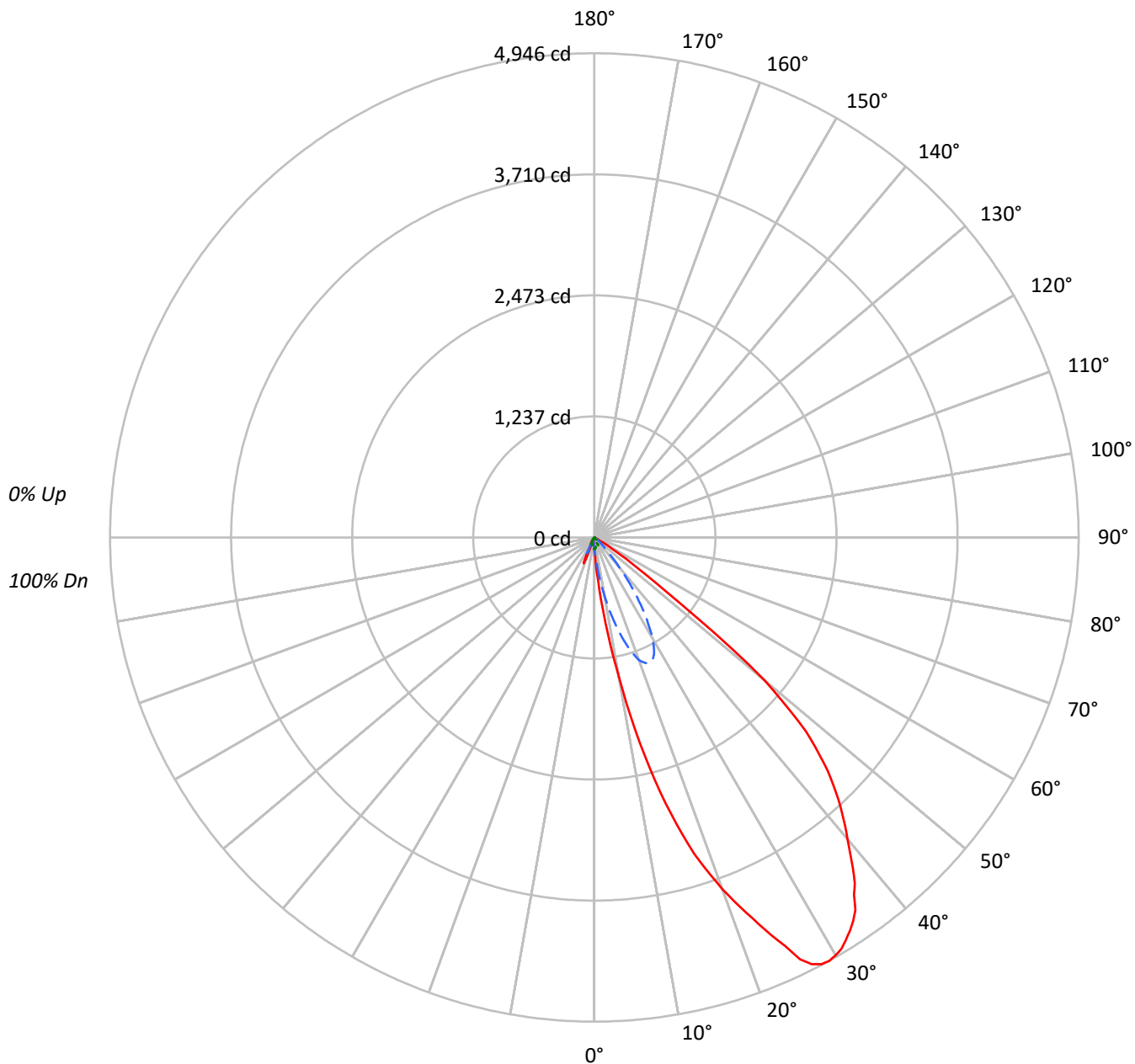
Lumens per Lamp: N/A
Luminaire Lumens: 1642.4 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 2.79 / 0.61 / 1.4
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103	110	107	104	101		103	100	98		99	97	95		95	94	93
2	105	99	94	90	103	97	93	89		94	90	87		91	88	85		88	85	83
3	98	90	84	79	96	88	83	78		86	81	77		83	79	75		81	77	74
4	91	82	75	69	89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	74	67	61	83	73	66	61		71	65	60		69	64	60		68	63	59
6	79	68	60	55	77	67	60	54		65	59	54		63	58	54		62	57	53
7	73	62	54	49	72	61	54	49		59	53	48		58	52	48		57	52	48
8	68	56	49	44	67	56	49	44		54	48	43		53	47	43		52	47	43
9	64	52	44	39	62	51	44	39		50	44	39		49	43	39		48	43	39
10	60	48	40	36	58	47	40	36		46	40	35		45	39	35		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6584	6584	6584
5°	24868	6169	3159
10°	80838	5216	2054
15°	159660	4234	1827
20°	223004	3535	3232
25°	278502	4906	9696
30°	312010	2836	4596
35°	311058	2075	2389
40°	287954	1131	1131
45°	261516	721	612
50°	193955	401	281
55°	47358	315	134
60°	8387	285	77
65°	1557	428	91
70°	337	529	224
75°	0	699	297
80°	0	1042	442
85°	0	2076	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	1.4
10°-20°	185.3	11.3
20°-30°	449.7	27.4
30°-40°	530.9	32.3
40°-50°	376.6	22.9
50°-60°	68.3	4.2
60°-70°	4.4	0.3
70°-80°	2.3	0.1
80°-90°	2.0	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°	657.9	40.1
0°-40°	1188.8	72.4
0°-60°	1633.7	99.5
0°-90°	1642.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	120	120	120	120	120	
5°	452	258	112	68	57	75
15°	2813	1023	75	38	32	813
25°	4604	1388	81	180	160	2118
35°	4648	796	31	36	36	2863
45°	3373	152	9	10	8	2533
55°	496	20	3	3	1	643
65°	12	3	3	3	1	19
75°	0	2	3	3	1	0
85°	0	2	3	3	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°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	201.2	196.7	196.7	198.5	199.3	195.3	195.3	189.9	187.3	188.0	182.8
5°	451.9	461.1	442.7	445.3	443.2	430.8	425.6	407.7	395.8	389.9	370.8
7.5°	882.8	868.8	841.2	842.5	835.2	814.7	797.6	766.6	740.3	721.0	686.2
10°	1452.2	1456.1	1411.9	1408.0	1390.8	1351.8	1313.6	1253.5	1199.4	1157.2	1092.5
12.5°	2148.8	2108.5	2092.7	2081.5	2053.8	2000.3	1941.0	1857.8	1775.3	1704.8	1605.1
15°	2813.2	2790.7	2766.9	2747.9	2712.9	2645.7	2571.0	2466.8	2359.2	2266.2	2140.2
17.5°	3387.2	3360.1	3331.7	3309.3	3247.8	3200.5	3100.1	3013.7	2891.0	2780.1	2628.5
20°	3822.6	3808.1	3775.1	3744.1	3678.8	3616.7	3512.6	3414.2	3278.3	3137.8	2992.6
22.5°	4207.8	4186.1	4144.5	4097.6	4015.9	3934.0	3814.0	3704.5	3556.1	3406.2	3249.9
25°	4604.3	4594.4	4531.2	4456.0	4340.5	4225.0	4075.2	3940.0	3772.5	3614.8	3432.7
26°	4796.3	4751.6	4686.8	4599.1	4463.2	4323.4	4161.0	4012.5	3833.9	3660.9	3478.8
27°	4892.1	4857.1	4800.4	4711.2	4569.4	4404.5	4225.6	4066.1	3876.7	3697.8	3509.2
28°	4936.3	4906.5	4859.7	4777.2	4639.3	4454.0	4265.9	4097.1	3899.7	3715.0	3520.4
29°	4946.1	4922.9	4882.1	4806.2	4676.9	4487.6	4287.0	4110.9	3909.6	3720.9	3523.0
30°	4929.0	4915.7	4884.2	4811.6	4686.8	4497.5	4290.9	4110.9	3907.0	3715.0	3512.6
31°	4900.6	4892.8	4866.3	4798.4	4676.9	4484.9	4275.8	4095.0	3889.8	3696.0	3488.7
32°	4847.2	4854.5	4832.7	4766.1	4645.9	4452.7	4246.1	4067.4	3861.4	3665.6	3452.5
33°	4790.4	4808.2	4788.5	4716.5	4592.5	4400.6	4201.9	4027.7	3821.3	3623.4	3405.0
34°	4728.4	4749.0	4723.8	4642.6	4514.6	4329.3	4141.9	3973.0	3767.8	3569.3	3343.0
35°	4648.0	4665.1	4632.2	4546.4	4415.7	4240.2	4067.4	3902.5	3699.9	3498.0	3266.4
36°	4512.7	4554.2	4519.9	4431.5	4303.6	4143.2	3982.9	3822.6	3622.1	3419.5	3182.6
37°	4421.7	4429.6	4396.0	4306.2	4188.1	4045.6	3893.9	3737.4	3539.6	3331.7	3091.0
38°	4290.3	4293.6	4259.9	4176.2	4073.9	3943.4	3798.2	3645.8	3447.8	3236.7	2988.6
39°	4153.0	4152.5	4122.0	4050.3	3959.2	3834.4	3693.9	3544.1	3343.6	3127.2	2869.3
40°	4023.8	4021.9	3995.4	3929.5	3841.1	3720.4	3582.4	3432.0	3227.5	3005.8	2737.3
42.5°	3717.6	3704.5	3678.1	3613.5	3529.0	3409.5	3265.7	3103.5	2886.4	2636.3	2332.9
45°	3373.2	3344.8	3317.2	3242.6	3147.7	3019.6	2858.1	2673.9	2431.1	2157.4	1842.0
47.5°	2932.6	2894.3	2867.3	2782.2	2673.9	2530.1	2345.4	2144.9	1889.0	1595.3	1273.3
50°	2274.2	2189.1	2160.7	2026.8	1880.9	1694.9	1462.7	1230.4	972.5	732.3	512.6
51°	1806.5	1711.3	1683.7	1546.4	1405.2	1233.8	1022.5	826.1	625.4	461.8	343.1
52°	1320.1	1231.7	1206.7	1082.6	964.0	826.1	669.0	539.8	426.8	345.1	277.1
53°	911.1	853.7	831.3	748.1	669.6	581.3	486.2	407.7	335.1	277.1	226.3
54°	672.4	633.4	615.5	555.6	498.7	436.7	371.5	318.0	267.9	225.0	182.8
55°	495.5	466.4	453.9	412.4	375.3	333.2	289.5	251.3	212.5	176.8	138.6
57.5°	224.2	209.9	204.5	186.8	172.2	159.6	130.0	108.8	88.4	71.2	55.4
60°	76.5	70.5	68.6	62.0	58.0	54.1	45.6	39.0	33.6	29.1	24.4
61°	48.9	45.6	44.2	40.9	39.0	36.9	31.7	27.8	24.4	21.8	18.5
62°	33.0	31.0	30.4	28.4	27.0	26.3	23.1	20.5	17.8	15.8	13.8
63°	23.1	21.8	21.8	20.5	19.8	19.2	16.4	15.1	13.2	12.0	10.6
64°	16.4	15.8	15.1	14.6	13.8	13.8	12.0	11.2	9.9	9.3	7.9
65°	12.0	11.2	11.2	10.6	10.6	9.9	9.3	7.9	7.3	6.6	5.9
66°	8.6	7.9	7.9	7.9	7.3	7.3	6.6	5.9	5.2	5.2	4.7



TEST NUMBER: P1192022

CATALOG NUMBER: LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	184.1	179.5	178.2	176.8	174.8	173.0	166.9	165.7	164.3	158.9	157.7
5°	365.5	347.0	335.1	322.6	309.5	294.2	269.8	258.5	246.8	226.3	216.4
7.5°	665.7	628.2	597.7	566.8	535.8	499.4	451.9	423.5	393.2	353.0	325.9
10°	1043.7	974.4	915.1	857.6	802.3	738.9	676.8	615.0	562.1	499.4	448.7
12.5°	1519.3	1406.6	1308.9	1212.6	1117.7	1016.0	917.1	820.7	727.1	643.9	565.4
15°	2027.4	1881.7	1745.1	1607.7	1463.9	1311.5	1162.5	1023.3	890.7	774.6	668.3
17.5°	2461.0	2295.3	2120.5	1949.6	1766.1	1561.7	1378.8	1199.4	1029.3	879.4	742.9
20°	2811.8	2623.2	2416.0	2212.8	1988.6	1769.6	1550.3	1336.7	1120.9	938.2	773.2
22.5°	3063.1	2862.6	2636.3	2405.5	2149.4	1896.8	1642.9	1391.4	1148.7	941.4	758.1
25°	3232.1	3013.7	2768.4	2512.2	2226.6	1948.2	1663.2	1388.0	1122.9	901.9	707.3
26°	3272.3	3048.8	2796.8	2530.7	2237.8	1952.2	1653.3	1369.6	1098.4	872.9	676.3
27°	3298.0	3067.8	2809.2	2535.4	2237.2	1956.9	1630.9	1340.7	1064.1	837.3	640.6
28°	3307.3	3072.5	2808.5	2526.3	2222.0	1911.3	1595.9	1299.1	1026.6	794.4	599.8
29°	3306.1	3066.5	2795.4	2503.7	2193.6	1873.0	1547.7	1247.6	975.1	746.2	555.6
30°	3292.8	3046.7	2768.4	2466.2	2150.8	1819.6	1485.7	1185.6	918.4	693.5	507.3
31°	3265.7	3013.1	2724.7	2410.7	2091.3	1751.7	1413.2	1115.6	855.7	636.7	457.8
32°	3224.8	2964.8	2665.9	2342.1	2018.7	1672.5	1331.3	1029.8	788.9	578.6	415.0
33°	3172.1	2903.6	2595.4	2261.7	1937.1	1581.4	1241.0	969.8	721.0	519.9	358.9
34°	3104.7	2829.0	2509.6	2168.6	1842.0	1480.5	1147.3	878.2	652.4	460.4	316.6
35°	3024.3	2739.3	2412.1	2065.6	1736.5	1371.0	1062.3	796.2	582.6	401.1	269.2
36°	2933.8	2639.6	2302.6	1954.8	1621.0	1259.4	965.2	714.5	513.2	343.1	227.0
37°	2834.9	2530.1	2186.3	1833.5	1497.0	1144.0	868.3	634.0	445.3	287.7	193.2
38°	2723.4	2407.4	2057.7	1699.6	1364.4	1029.3	772.5	553.5	377.4	238.3	168.9
39°	2594.2	2267.5	1917.9	1551.8	1228.4	913.7	678.2	474.4	313.5	198.5	150.4
40°	2450.3	2119.1	1764.9	1395.3	1091.2	801.6	585.8	397.8	255.9	171.5	134.6
42.5°	2028.1	1684.3	1328.7	1025.9	772.0	545.0	375.3	238.3	165.7	127.4	98.9
45°	1529.2	1207.4	917.7	690.8	502.0	326.5	213.8	151.7	117.4	88.4	69.3
47.5°	1000.9	752.0	535.1	371.5	251.3	167.5	130.6	98.9	76.5	58.8	46.8
50°	377.4	278.4	216.4	173.0	136.6	103.6	81.8	62.7	48.2	36.9	29.6
51°	279.1	225.0	177.4	141.8	112.8	85.8	66.6	49.4	38.3	29.6	24.4
52°	228.9	184.7	145.9	116.1	91.7	66.6	51.5	39.0	31.0	24.4	19.8
53°	187.3	150.4	117.4	91.7	70.0	50.8	39.5	31.0	25.1	19.8	16.4
54°	149.0	116.8	87.7	67.3	52.1	38.3	31.0	24.4	19.8	16.4	13.8
55°	110.9	84.4	62.7	49.4	39.0	29.6	24.4	19.8	16.4	13.2	11.2
57.5°	45.6	36.2	29.6	24.4	20.5	16.4	13.8	12.0	9.9	7.9	6.6
60°	21.1	17.8	15.8	13.2	11.2	9.3	7.9	7.3	5.9	5.2	4.7
61°	16.4	13.8	12.0	10.6	9.3	7.3	6.6	5.9	5.2	4.7	4.0
62°	12.5	10.6	9.3	7.9	7.3	5.9	5.2	4.7	4.0	4.0	3.3
63°	9.3	7.9	7.3	6.6	5.9	5.2	4.7	4.0	4.0	3.3	3.3
64°	7.3	6.6	5.9	5.2	4.7	4.0	4.0	3.3	3.3	2.6	2.6
65°	5.2	5.2	4.7	4.0	4.0	3.3	3.3	3.3	2.6	2.6	2.6
66°	4.7	4.0	3.3	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
75°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
82.5°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
85°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	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

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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	154.4	153.7	149.0	147.2	144.5	141.2	138.6	136.6	133.2	130.6	128.0
5°	202.6	195.3	183.4	175.6	168.3	161.0	155.1	149.8	143.8	138.6	133.2
7.5°	292.3	267.9	238.3	215.7	197.2	180.8	168.9	158.9	149.8	141.8	132.6
10°	392.5	347.8	302.2	259.3	225.6	197.2	177.4	162.3	149.8	139.2	127.4
12.5°	484.8	419.0	352.2	294.9	245.5	206.5	179.5	160.3	145.9	132.6	118.9
15°	563.4	475.0	390.6	316.6	255.4	207.1	176.1	155.1	138.6	122.7	108.8
17.5°	612.9	500.8	401.1	316.1	248.7	196.7	165.7	145.2	126.7	110.9	97.6
20°	623.5	494.7	385.9	292.9	225.6	176.8	151.1	130.0	111.6	97.6	86.4
22.5°	597.1	461.1	345.7	253.3	193.2	156.3	134.6	114.2	98.9	87.7	78.5
25°	540.3	402.4	290.3	207.8	165.7	137.9	118.1	101.6	90.3	83.2	77.8
26°	510.6	373.5	265.3	191.4	156.3	131.4	112.8	98.3	89.0	83.7	79.9
27°	476.3	342.4	240.1	176.8	147.8	122.7	106.2	93.1	84.4	79.9	77.3
28°	438.8	309.5	216.4	163.6	137.3	112.1	97.0	84.4	75.9	70.5	66.0
29°	399.0	276.4	194.6	151.7	126.7	103.0	88.4	76.5	67.9	62.7	58.0
30°	357.7	244.8	176.1	141.2	116.1	94.4	81.1	70.0	62.0	56.7	52.1
31°	317.3	215.7	162.9	130.0	106.9	87.2	75.2	66.0	58.0	52.8	49.4
32°	277.1	191.4	150.4	119.4	98.3	81.8	70.0	62.0	55.4	50.8	48.2
33°	240.9	170.9	139.2	109.5	91.0	76.5	66.6	59.4	53.4	49.4	46.8
34°	208.4	157.0	126.7	99.6	83.7	70.5	61.4	54.8	48.9	45.6	42.2
35°	182.1	142.5	114.2	89.8	75.2	63.2	55.4	48.9	43.5	40.2	36.9
36°	161.6	128.0	101.6	79.9	67.3	57.4	49.4	43.5	39.0	35.7	33.0
37°	145.9	114.7	91.0	71.9	61.4	51.5	44.8	39.5	34.9	31.7	29.1
38°	131.4	102.2	81.8	65.3	55.4	46.8	40.2	36.2	31.7	28.4	25.8
39°	116.8	89.8	73.3	59.4	50.8	43.0	36.9	33.0	28.4	25.8	23.1
40°	103.6	80.4	66.0	53.4	46.3	38.3	33.6	29.6	25.8	23.1	20.5
42.5°	76.5	60.1	50.1	40.9	34.9	29.6	25.8	21.8	19.2	17.2	15.1
45°	54.8	43.5	36.2	29.6	25.1	21.1	17.8	15.8	13.8	12.5	11.2
47.5°	36.9	29.6	25.1	19.8	17.2	14.6	12.5	11.2	9.9	8.6	7.9
50°	23.7	19.2	16.4	13.2	11.2	9.9	8.6	7.3	6.6	5.9	5.9
51°	19.8	15.8	13.8	11.2	9.9	8.6	7.3	6.6	5.9	5.2	4.7
52°	16.4	13.2	11.2	9.3	7.9	7.3	5.9	5.2	4.7	4.7	4.7
53°	13.8	11.2	9.9	7.9	7.3	5.9	5.2	4.7	4.0	4.0	4.0
54°	11.2	9.3	7.9	6.6	5.9	5.2	4.7	4.0	4.0	3.3	3.3
55°	9.3	7.9	6.6	5.9	5.2	4.7	4.0	3.3	3.3	3.3	3.3
57.5°	5.9	5.2	4.7	4.0	3.3	3.3	2.6	2.6	2.6	2.6	2.6
60°	4.0	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
61°	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62°	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
63°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
64°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
66°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P1192022

CATALOG NUMBER: LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
82.5°	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
85°	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
87.5°	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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

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TEST NUMBER: P1192022

CATALOG NUMBER: LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	124.6	122.7	119.4	117.4	98.9	89.0	79.9	79.1
5°	127.4	122.0	116.8	112.1	81.8	67.9	58.8	57.4
7.5°	124.6	116.8	109.5	104.3	68.6	53.4	45.6	44.2
10°	117.4	108.8	100.4	93.7	58.8	45.6	38.3	36.9
12.5°	108.2	98.9	90.3	83.2	50.8	40.9	34.9	33.6
15°	97.6	88.4	81.1	74.6	46.8	37.6	33.6	32.2
17.5°	87.7	79.1	72.6	66.6	43.5	36.2	34.3	34.9
20°	77.8	71.2	65.3	60.6	44.8	43.0	49.4	55.4
22.5°	71.9	67.3	64.0	60.6	69.3	106.9	241.4	286.3
25°	75.2	74.6	76.5	81.1	141.8	179.5	158.4	160.3
26°	79.1	80.4	83.7	88.4	121.5	112.8	103.6	110.9
27°	76.5	77.3	76.5	75.9	79.9	79.1	83.2	90.3
28°	64.0	62.7	61.4	59.4	60.6	67.3	76.5	82.5
29°	55.4	54.1	52.1	50.1	52.8	65.3	73.8	77.8
30°	50.1	48.2	46.3	44.8	52.8	64.7	70.5	72.6
31°	46.8	45.6	44.2	44.2	53.4	61.4	64.7	65.3
32°	46.8	45.6	44.8	44.8	49.4	54.8	56.7	57.4
33°	45.6	44.2	42.2	41.6	43.5	47.5	49.4	49.4
34°	40.2	39.0	37.6	35.7	37.6	40.9	43.0	42.2
35°	34.9	33.6	32.2	31.0	32.2	35.7	36.2	35.7
36°	30.4	29.1	27.8	26.3	27.8	30.4	31.0	30.4
37°	27.0	25.8	24.4	23.1	23.1	26.3	27.0	25.8
38°	24.4	22.4	21.1	20.5	20.5	23.1	23.1	21.8
39°	21.8	20.5	19.2	17.8	17.8	19.8	19.8	18.5
40°	19.2	17.8	16.4	15.8	15.8	17.2	17.2	15.8
42.5°	13.8	13.2	12.5	12.0	12.0	13.2	12.5	11.2
45°	10.6	9.9	9.3	9.3	9.3	9.9	8.6	7.9
47.5°	7.3	7.3	6.6	6.6	6.6	7.3	6.6	5.9
50°	5.2	5.2	4.7	4.7	5.2	5.2	4.7	3.3
51°	4.7	4.7	4.7	4.0	4.7	4.7	4.0	3.3
52°	4.0	4.0	4.0	4.0	4.0	4.0	3.3	2.6
53°	3.3	3.3	3.3	3.3	3.3	3.3	2.6	2.1
54°	3.3	3.3	3.3	3.3	3.3	3.3	2.1	2.1
55°	3.3	3.3	3.3	3.3	3.3	2.6	2.1	1.4
57.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.1	1.4
60°	2.6	2.6	2.6	2.6	2.6	2.6	1.4	0.7
61°	2.6	2.6	2.6	2.6	3.3	2.6	1.4	0.7
62°	2.6	2.6	2.6	2.6	3.3	2.6	1.4	0.7
63°	2.6	2.6	2.6	2.6	3.3	2.6	1.4	0.7
64°	2.6	2.6	2.6	3.3	3.3	2.6	1.4	0.7
65°	2.6	2.6	3.3	3.3	3.3	2.6	1.4	0.7
66°	2.6	3.3	3.3	3.3	3.3	2.6	1.4	0.7



TEST NUMBER: P1192022

CATALOG NUMBER: LDA6A15950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.6	3.3	3.3	3.3	3.3	2.6	2.1	1.4
75°	2.6	3.3	3.3	3.3	3.3	2.6	2.1	1.4
77.5°	3.3	3.3	3.3	3.3	3.3	2.6	2.1	1.4
80°	3.3	3.3	3.3	3.3	3.3	2.6	2.1	1.4
82.5°	3.3	3.3	3.3	3.3	3.3	2.6	2.1	1.4
85°	3.3	3.3	3.3	3.3	3.3	2.6	2.1	1.4
87.5°	3.3	3.3	3.3	3.3	3.3	2.6	1.4	0.7
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

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report

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Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





67.5°	5.2	4.7	4.7	4.7	4.7	4.0	4.0	4.0	3.3	3.3	2.6
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.4

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67.5°	2.6	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1

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67.5°	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6

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67.5°	2.6	3.3	3.3	3.3	3.3	2.6	1.4	1.4
70°	2.6	2.6	3.3	3.3	3.3	2.6	2.1	1.4

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(END OF REPORT)