

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: P1192057

Luminaire Tested: **LDA6A20950D010TE 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: P1192057
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: LDA6A20950D010TE 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

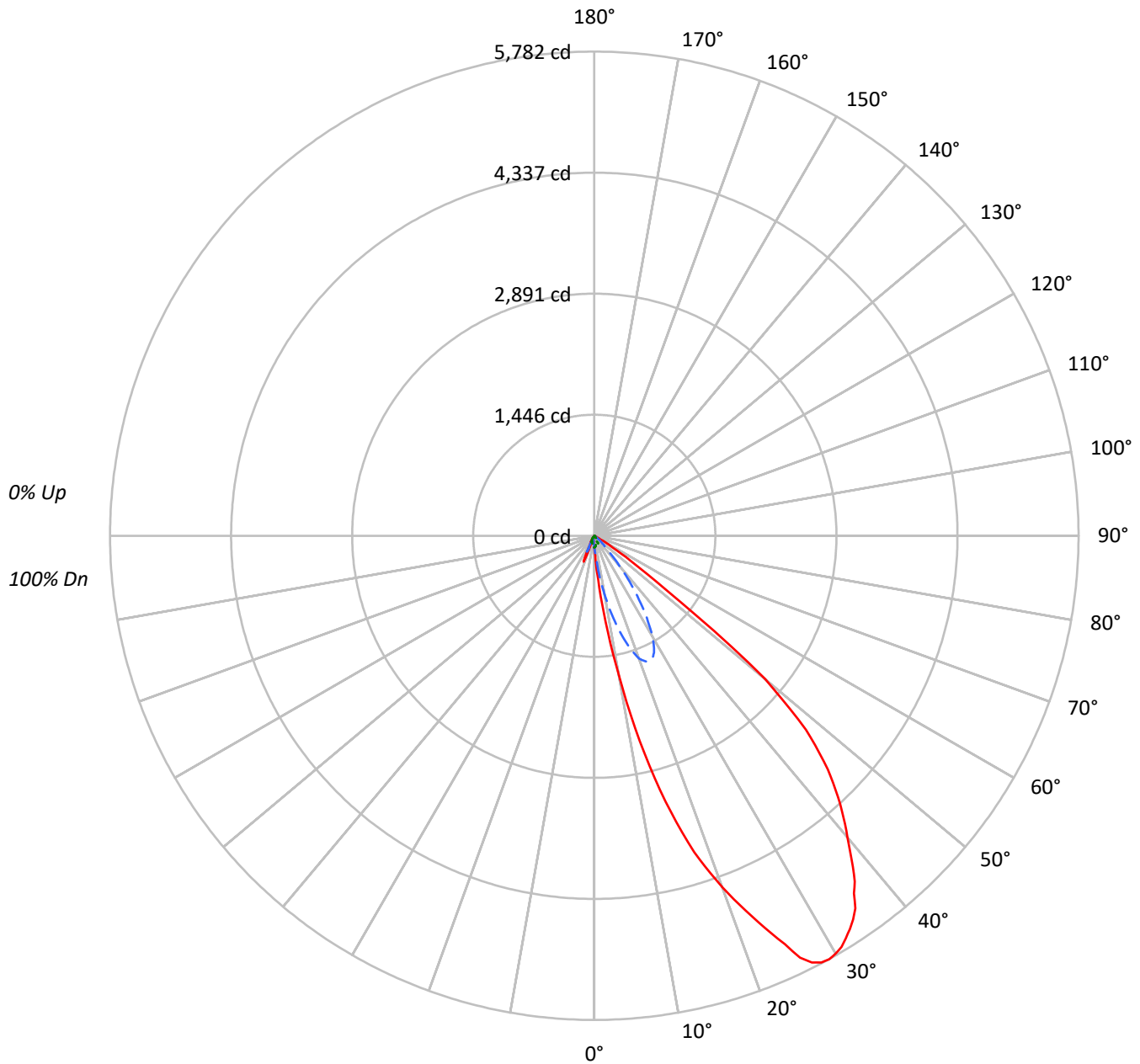
Lumens per Lamp: N/A
Luminaire Lumens: 1919.9 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 2.79 / 0.61 / 1.4
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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°	7697	7697	7697
5°	29072	7209	3692
10°	94498	6095	2410
15°	186653	4949	2145
20°	260709	4136	3780
25°	325597	5734	11341
30°	364759	3317	5374
35°	363647	2423	2784
40°	336638	1324	1324
45°	305745	837	713
50°	226756	452	324
55°	55367	363	153
60°	9802	329	88
65°	1790	493	104
70°	369	609	256
75°	0	805	339
80°	0	1200	505
85°	0	2390	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.4
10°-20°	216.6	11.3
20°-30°	525.7	27.4
30°-40°	620.7	32.3
40°-50°	440.2	22.9
50°-60°	79.8	4.2
60°-70°	5.1	0.3
70°-80°	2.6	0.1
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°	769.1	40.1
0°-40°	1389.8	72.4
0°-60°	1909.9	99.5
0°-90°	1919.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1919.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	528	302	131	80	67	88
15°	3289	1196	87	44	38	951
25°	5383	1623	95	210	188	2477
35°	5434	931	36	42	42	3347
45°	3944	177	11	12	9	2961
55°	579	23	4	3	2	752
65°	14	4	4	3	1	22
75°	0	2	4	3	2	1
85°	0	2	4	3	2	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°	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
2.5°	235.2	229.8	229.8	232.2	232.9	228.4	228.4	222.1	219.0	219.9	213.7
5°	528.3	539.0	517.5	520.7	518.3	503.7	497.5	476.6	462.8	455.9	433.6
7.5°	1032.0	1015.9	983.4	985.0	976.5	952.5	932.6	896.3	865.4	843.0	802.2
10°	1697.6	1702.3	1650.6	1645.9	1625.8	1580.5	1535.7	1465.5	1402.1	1352.9	1277.3
12.5°	2512.1	2465.1	2446.6	2433.5	2401.2	2338.5	2269.1	2171.9	2075.6	1993.0	1876.6
15°	3288.8	3262.6	3234.8	3212.5	3171.6	3093.0	3005.8	2883.9	2758.2	2649.4	2502.1
17.5°	3959.9	3928.2	3895.1	3868.9	3797.1	3741.5	3624.3	3523.3	3379.8	3250.2	3072.9
20°	4468.9	4452.0	4413.3	4377.0	4300.8	4228.3	4106.4	3991.4	3832.7	3668.3	3498.7
22.5°	4919.3	4893.9	4845.4	4790.6	4695.0	4599.3	4458.9	4330.9	4157.4	3982.3	3799.4
25°	5382.9	5371.4	5297.2	5209.3	5074.4	4939.4	4764.3	4606.3	4410.3	4226.0	4013.2
26°	5607.3	5554.8	5479.3	5376.7	5217.8	5054.4	4864.6	4691.1	4482.1	4279.9	4067.0
27°	5719.2	5678.4	5611.9	5507.8	5342.1	5149.1	4940.2	4753.5	4532.2	4323.2	4102.6
28°	5770.9	5736.1	5681.4	5585.1	5423.8	5207.1	4987.2	4789.7	4559.3	4343.1	4115.7
29°	5782.4	5755.5	5707.6	5618.9	5467.7	5246.4	5012.0	4805.9	4570.7	4350.2	4118.8
30°	5762.3	5747.0	5709.9	5625.2	5479.3	5258.0	5016.4	4805.9	4567.7	4343.1	4106.4
31°	5729.2	5720.0	5689.1	5609.7	5467.7	5243.4	4998.8	4787.4	4547.5	4320.8	4078.6
32°	5666.8	5675.3	5649.8	5571.9	5431.5	5205.5	4964.0	4755.1	4514.4	4285.4	4036.2
33°	5600.4	5621.3	5598.1	5514.0	5369.0	5144.6	4912.4	4708.8	4467.4	4236.0	3980.7
34°	5528.0	5551.8	5522.5	5427.7	5278.1	5061.3	4842.2	4644.8	4404.9	4172.8	3908.1
35°	5433.8	5453.9	5415.3	5315.0	5162.4	4957.2	4755.1	4562.3	4325.5	4089.5	3818.7
36°	5275.7	5324.3	5284.2	5180.9	5031.2	4843.8	4656.4	4468.9	4234.5	3997.7	3720.8
37°	5169.2	5178.6	5139.2	5034.3	4896.2	4729.6	4552.2	4369.4	4138.1	3895.1	3613.5
38°	5015.8	5019.7	4980.2	4882.4	4762.7	4610.1	4440.4	4262.2	4030.8	3783.9	3494.0
39°	4855.3	4854.5	4819.2	4735.0	4628.6	4482.7	4318.5	4143.4	3908.9	3656.0	3354.4
40°	4704.1	4701.8	4671.1	4593.9	4490.6	4349.4	4188.1	4012.3	3773.2	3514.0	3200.1
42.5°	4346.4	4330.9	4300.0	4224.5	4125.7	3986.1	3817.9	3628.1	3374.4	3082.1	2727.3
45°	3943.7	3910.5	3878.1	3790.9	3679.9	3530.2	3341.2	3126.0	2842.2	2522.2	2153.4
47.5°	3428.5	3383.7	3352.0	3252.6	3126.0	2957.9	2742.1	2507.4	2208.1	1865.0	1488.7
50°	2658.8	2559.2	2526.1	2369.4	2199.0	1981.4	1710.0	1438.5	1136.9	856.1	599.4
51°	2111.8	2000.8	1968.4	1807.9	1642.9	1442.4	1195.5	965.6	731.2	539.9	401.0
52°	1543.4	1440.1	1410.7	1265.8	1126.8	965.6	782.1	630.9	499.0	403.3	323.9
53°	1065.1	998.0	971.8	874.6	782.8	679.4	568.5	476.6	391.8	323.9	264.6
54°	785.9	740.4	719.7	649.4	583.1	510.6	434.2	371.8	313.1	262.9	213.7
55°	579.3	545.3	530.7	482.1	438.9	389.5	338.5	293.8	248.4	206.6	161.9
57.5°	262.3	245.2	239.1	218.3	201.3	186.7	151.9	127.2	103.4	83.3	64.8
60°	89.4	82.5	80.2	72.5	67.9	63.2	53.2	45.6	39.4	33.9	28.5
61°	57.1	53.2	51.7	47.7	45.6	43.3	37.0	32.3	28.5	25.4	21.5
62°	38.6	36.2	35.6	33.2	31.6	30.9	27.0	23.9	20.9	18.5	16.2
63°	27.0	25.4	25.4	23.9	23.2	22.4	19.3	17.7	15.4	13.8	12.4
64°	19.3	18.5	17.7	17.1	16.2	16.2	13.8	13.2	11.5	10.8	9.2
65°	13.8	13.2	13.2	12.4	12.4	11.5	10.8	9.2	8.5	7.7	7.0
66°	10.0	9.2	9.2	9.2	8.5	8.5	7.7	7.0	6.1	6.1	5.3



TEST NUMBER: P1192057

CATALOG NUMBER: LDA6A20950D010TE 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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
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°	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
2.5°	215.2	209.9	208.2	206.6	204.4	202.0	195.1	193.6	192.0	185.8	184.3
5°	427.3	405.7	391.8	377.1	361.7	344.0	315.5	302.3	288.5	264.6	252.9
7.5°	778.2	734.2	698.8	662.6	626.4	583.9	528.3	495.1	459.8	412.7	381.0
10°	1220.2	1139.2	1069.7	1002.7	937.9	863.9	791.3	718.8	657.1	583.9	524.6
12.5°	1776.3	1644.3	1530.3	1417.6	1306.7	1187.8	1072.1	959.4	849.9	752.8	660.9
15°	2370.3	2199.8	2040.1	1879.6	1711.5	1533.4	1359.1	1196.3	1041.2	905.5	781.2
17.5°	2877.0	2683.4	2478.9	2279.3	2064.7	1825.7	1612.0	1402.1	1203.2	1028.1	868.4
20°	3287.2	3066.8	2824.5	2587.0	2324.7	2068.6	1812.5	1562.6	1310.5	1096.8	904.0
22.5°	3581.1	3346.7	3082.1	2812.2	2512.8	2217.5	1920.6	1626.7	1342.8	1100.6	886.3
25°	3778.6	3523.3	3236.4	2937.2	2603.1	2277.6	1944.4	1622.8	1312.7	1054.5	826.9
26°	3825.6	3564.2	3269.6	2958.7	2616.3	2282.3	1932.8	1601.2	1284.3	1020.3	790.6
27°	3855.7	3586.5	3284.2	2964.1	2615.5	2287.6	1906.6	1567.3	1244.0	978.7	748.9
28°	3866.5	3592.0	3283.4	2953.4	2597.8	2234.5	1865.8	1518.7	1200.2	928.7	701.2
29°	3865.1	3585.0	3268.1	2927.0	2564.5	2189.8	1809.5	1458.6	1140.0	872.2	649.4
30°	3849.6	3561.9	3236.4	2883.1	2514.5	2127.2	1737.0	1386.0	1073.6	810.7	593.1
31°	3817.9	3522.5	3185.4	2818.3	2445.0	2047.8	1652.0	1304.3	1000.4	744.2	535.2
32°	3770.1	3466.2	3116.8	2738.2	2360.3	1955.2	1556.5	1204.0	922.5	676.4	485.2
33°	3708.4	3394.5	3034.3	2644.0	2264.6	1848.7	1450.9	1133.9	843.0	607.9	419.5
34°	3629.7	3307.3	2934.0	2535.2	2153.4	1730.9	1341.2	1026.6	762.7	538.4	370.2
35°	3535.7	3202.5	2819.9	2415.0	2030.1	1602.8	1241.8	931.0	681.1	468.9	314.7
36°	3430.0	3086.0	2691.8	2285.4	1895.1	1472.4	1128.4	835.3	600.0	401.0	265.3
37°	3314.3	2957.9	2556.1	2143.4	1750.1	1337.4	1015.0	741.2	520.7	336.2	226.0
38°	3184.0	2814.4	2405.6	1986.9	1594.9	1203.2	903.1	647.1	441.3	278.4	197.5
39°	3032.7	2650.9	2242.2	1814.2	1436.2	1068.3	793.0	554.6	366.4	232.2	175.8
40°	2864.6	2477.4	2063.3	1631.3	1275.8	937.0	684.9	465.1	299.3	200.5	157.5
42.5°	2370.9	1969.1	1553.4	1199.3	902.5	637.1	438.9	278.4	193.6	148.9	115.6
45°	1788.0	1411.5	1073.0	807.6	587.0	381.8	249.9	177.4	137.3	103.4	81.0
47.5°	1170.1	879.3	625.6	434.2	293.8	195.9	152.8	115.6	89.4	68.6	54.8
50°	441.3	325.5	252.9	202.0	159.6	121.1	95.7	73.3	56.3	43.3	34.7
51°	326.2	262.9	207.5	165.8	131.9	100.4	78.0	57.9	44.7	34.7	28.5
52°	267.6	216.0	170.5	135.7	107.2	78.0	60.1	45.6	36.2	28.5	23.2
53°	219.0	175.8	137.3	107.2	81.7	59.4	46.3	36.2	29.3	23.2	19.3
54°	174.3	136.6	102.5	78.6	60.9	44.7	36.2	28.5	23.2	19.3	16.2
55°	129.6	98.7	73.3	57.9	45.6	34.7	28.5	23.2	19.3	15.4	13.2
57.5°	53.2	42.4	34.7	28.5	23.9	19.3	16.2	13.8	11.5	9.2	7.7
60°	24.8	20.9	18.5	15.4	13.2	10.8	9.2	8.5	7.0	6.1	5.3
61°	19.3	16.2	13.8	12.4	10.8	8.5	7.7	7.0	6.1	5.3	4.7
62°	14.7	12.4	10.8	9.2	8.5	7.0	6.1	5.3	4.7	4.7	3.8
63°	10.8	9.2	8.5	7.7	7.0	6.1	5.3	4.7	4.7	3.8	3.8
64°	8.5	7.7	7.0	6.1	5.3	4.7	4.7	3.8	3.8	3.0	3.0
65°	6.1	6.1	5.3	4.7	4.7	3.8	3.8	3.8	3.0	3.0	3.0
66°	5.3	4.7	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3
75°	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3
80°	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3
82.5°	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3	2.3
85°	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	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

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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
2.5°	180.4	179.6	174.3	171.9	168.9	165.0	161.9	159.6	155.8	152.8	149.6
5°	236.7	228.4	214.3	205.2	196.7	188.1	181.3	175.1	168.2	161.9	155.8
7.5°	341.7	313.1	278.4	252.2	230.6	211.3	197.5	185.8	175.1	165.8	155.1
10°	459.0	406.5	353.3	303.2	263.7	230.6	207.5	189.8	175.1	162.8	148.9
12.5°	566.9	489.8	411.8	344.8	286.9	241.4	209.9	187.5	170.5	155.1	138.8
15°	658.7	555.4	456.6	370.2	298.5	242.2	206.0	181.3	161.9	143.4	127.2
17.5°	716.6	585.4	468.9	369.4	290.8	229.8	193.6	169.6	148.1	129.6	114.2
20°	728.8	578.4	451.3	342.4	263.7	206.6	176.6	151.9	130.4	114.2	101.0
22.5°	697.9	539.0	404.1	296.2	226.0	182.8	157.5	133.4	115.6	102.5	91.8
25°	631.7	470.5	339.4	242.9	193.6	161.3	138.1	118.9	105.7	97.1	91.0
26°	597.0	436.6	310.0	223.7	182.8	153.4	131.9	114.9	104.2	98.0	93.3
27°	556.9	400.3	280.8	206.6	172.7	143.4	124.2	108.7	98.7	93.3	90.3
28°	512.8	361.7	252.9	191.4	160.5	131.0	113.4	98.7	88.6	82.5	77.2
29°	466.6	323.2	227.6	177.4	148.1	120.3	103.4	89.4	79.5	73.3	67.9
30°	418.1	286.1	206.0	165.0	135.7	110.3	94.8	81.7	72.5	66.2	60.9
31°	371.0	252.2	190.5	151.9	124.9	101.8	88.0	77.2	67.9	61.8	57.9
32°	323.9	223.7	175.8	139.6	114.9	95.7	81.7	72.5	64.8	59.4	56.3
33°	281.5	199.8	162.8	128.0	106.5	89.4	78.0	69.5	62.4	57.9	54.8
34°	243.8	183.7	148.1	116.5	98.0	82.5	71.8	64.0	57.1	53.2	49.4
35°	212.9	166.6	133.4	104.8	88.0	74.2	64.8	57.1	51.0	47.1	43.3
36°	189.0	149.6	118.9	93.3	78.6	67.1	57.9	51.0	45.6	41.6	38.6
37°	170.5	134.3	106.5	84.1	71.8	60.1	52.4	46.3	40.9	37.0	33.9
38°	153.4	119.5	95.7	76.3	64.8	54.8	47.1	42.4	37.0	33.2	30.1
39°	136.6	104.8	85.6	69.5	59.4	50.1	43.3	38.6	33.2	30.1	27.0
40°	121.1	94.1	77.2	62.4	54.0	44.7	39.4	34.7	30.1	27.0	23.9
42.5°	89.4	70.1	58.6	47.7	40.9	34.7	30.1	25.4	22.4	20.1	17.7
45°	64.0	51.0	42.4	34.7	29.3	24.8	20.9	18.5	16.2	14.7	13.2
47.5°	43.3	34.7	29.3	23.2	20.1	17.1	14.7	13.2	11.5	10.0	9.2
50°	27.8	22.4	19.3	15.4	13.2	11.5	10.0	8.5	7.7	7.0	7.0
51°	23.2	18.5	16.2	13.2	11.5	10.0	8.5	7.7	7.0	6.1	5.3
52°	19.3	15.4	13.2	10.8	9.2	8.5	7.0	6.1	5.3	5.3	5.3
53°	16.2	13.2	11.5	9.2	8.5	7.0	6.1	5.3	4.7	4.7	4.7
54°	13.2	10.8	9.2	7.7	7.0	6.1	5.3	4.7	4.7	3.8	3.8
55°	10.8	9.2	7.7	7.0	6.1	5.3	4.7	3.8	3.8	3.8	3.8
57.5°	7.0	6.1	5.3	4.7	3.8	3.8	3.0	3.0	3.0	3.0	3.0
60°	4.7	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
61°	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
62°	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
63°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
64°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
66°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P1192057

CATALOG NUMBER: LDA6A20950D010TE 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°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
82.5°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
85°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
87.5°	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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

1121 Highway 74 South

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TEST NUMBER: P1192057

CATALOG NUMBER: LDA6A20950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
2.5°	145.7	143.4	139.6	137.3	115.6	104.2	93.3	92.5
5°	148.9	142.7	136.6	131.0	95.7	79.5	68.6	67.1
7.5°	145.7	136.6	128.0	121.9	80.2	62.4	53.2	51.7
10°	137.3	127.2	117.2	109.5	68.6	53.2	44.7	43.3
12.5°	126.6	115.6	105.7	97.1	59.4	47.7	40.9	39.4
15°	114.2	103.4	94.8	87.2	54.8	43.9	39.4	37.8
17.5°	102.5	92.5	84.9	78.0	51.0	42.4	40.0	40.9
20°	91.0	83.3	76.3	70.9	52.4	50.1	57.9	64.8
22.5°	84.1	78.6	74.8	70.9	81.0	124.9	282.3	334.8
25°	88.0	87.2	89.4	94.8	165.8	209.9	185.1	187.5
26°	92.5	94.1	98.0	103.4	141.9	131.9	121.1	129.6
27°	89.4	90.3	89.4	88.6	93.3	92.5	97.1	105.7
28°	74.8	73.3	71.8	69.5	70.9	78.6	89.4	96.5
29°	64.8	63.2	60.9	58.6	61.8	76.3	86.3	91.0
30°	58.6	56.3	54.0	52.4	61.8	75.6	82.5	84.9
31°	54.8	53.2	51.7	51.7	62.4	71.8	75.6	76.3
32°	54.8	53.2	52.4	52.4	57.9	64.0	66.2	67.1
33°	53.2	51.7	49.4	48.6	51.0	55.5	57.9	57.9
34°	47.1	45.6	43.9	41.6	43.9	47.7	50.1	49.4
35°	40.9	39.4	37.8	36.2	37.8	41.6	42.4	41.6
36°	35.6	33.9	32.3	30.9	32.3	35.6	36.2	35.6
37°	31.6	30.1	28.5	27.0	27.0	30.9	31.6	30.1
38°	28.5	26.2	24.8	23.9	23.9	27.0	27.0	25.4
39°	25.4	23.9	22.4	20.9	20.9	23.2	23.2	21.5
40°	22.4	20.9	19.3	18.5	18.5	20.1	20.1	18.5
42.5°	16.2	15.4	14.7	13.8	13.8	15.4	14.7	13.2
45°	12.4	11.5	10.8	10.8	10.8	11.5	10.0	9.2
47.5°	8.5	8.5	7.7	7.7	7.7	8.5	7.7	7.0
50°	6.1	6.1	5.3	5.3	6.1	6.1	5.3	3.8
51°	5.3	5.3	5.3	4.7	5.3	5.3	4.7	3.8
52°	4.7	4.7	4.7	4.7	4.7	4.7	3.8	3.0
53°	3.8	3.8	3.8	3.8	3.8	3.8	3.0	2.3
54°	3.8	3.8	3.8	3.8	3.8	3.8	2.3	2.3
55°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	1.6
57.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.3	1.6
60°	3.0	3.0	3.0	3.0	3.0	3.0	1.6	0.8
61°	3.0	3.0	3.0	3.0	3.8	3.0	1.6	0.8
62°	3.0	3.0	3.0	3.0	3.8	3.0	1.6	0.8
63°	3.0	3.0	3.0	3.0	3.8	3.0	1.6	0.8
64°	3.0	3.0	3.0	3.8	3.8	3.0	1.6	0.8
65°	3.0	3.0	3.8	3.8	3.8	3.0	1.6	0.8
66°	3.0	3.8	3.8	3.8	3.8	3.0	1.6	0.8



TEST NUMBER: P1192057

CATALOG NUMBER: LDA6A20950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.0	3.8	3.8	3.8	3.8	3.0	2.3	1.6
75°	3.0	3.8	3.8	3.8	3.8	3.0	2.3	1.6
77.5°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	1.6
80°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	1.6
82.5°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	1.6
85°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	1.6
87.5°	3.8	3.8	3.8	3.8	3.8	3.0	1.6	0.8
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report



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Scaled Data Report





67.5°	6.1	5.3	5.3	5.3	5.3	4.7	4.7	4.7	3.8	3.8	3.0
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.6

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67.5°	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.3	2.3	2.3	2.3

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67.5°	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0

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67.5°	3.0	3.8	3.8	3.8	3.8	3.0	1.6	1.6
70°	3.0	3.0	3.8	3.8	3.8	3.0	2.3	1.6

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Scaled Data Report



(END OF REPORT)