

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: P1192162

Luminaire Tested: **LDA6A35950D010TE 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: P1192162
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: LDA6A35950D010TE 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

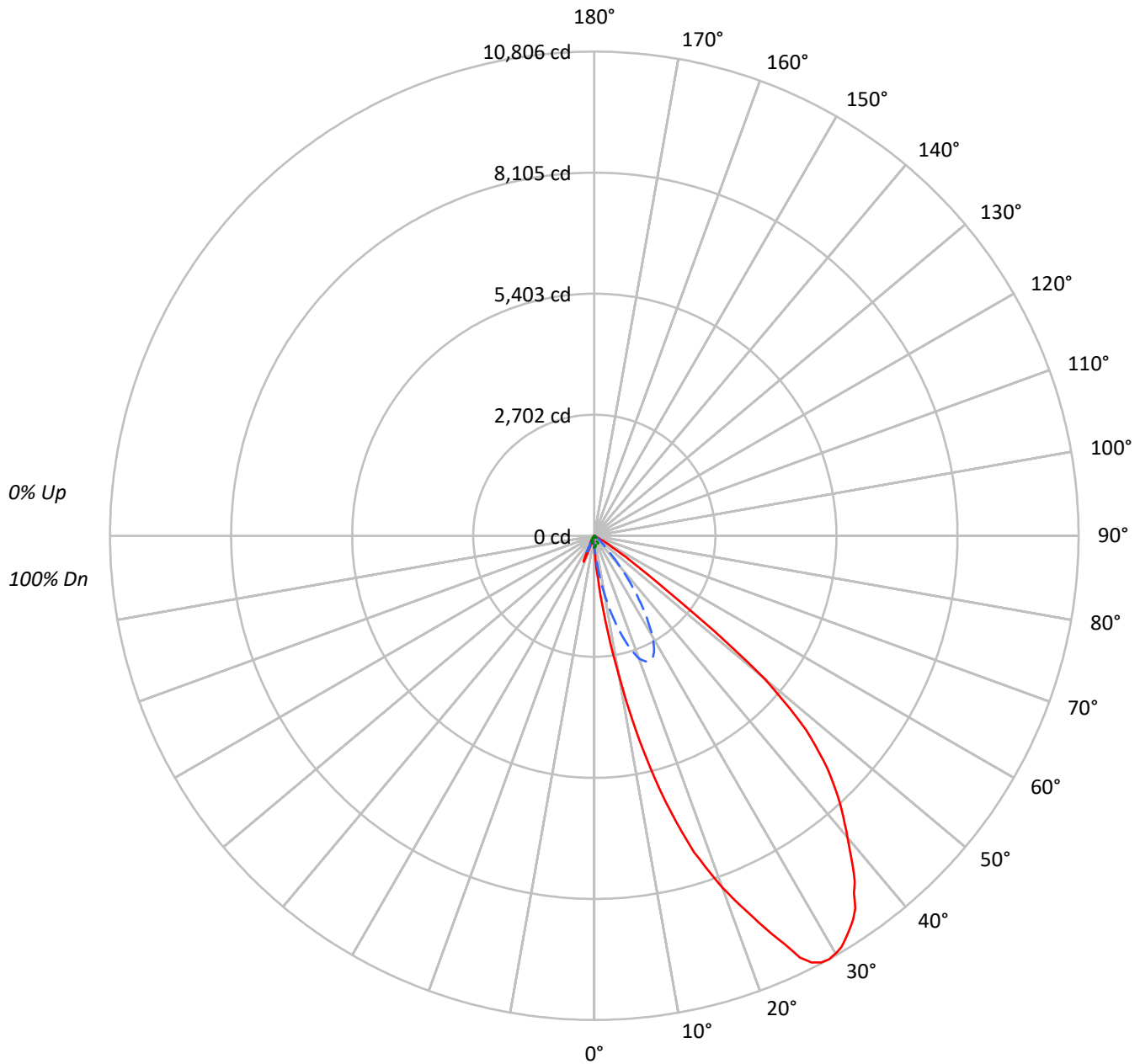
Lumens per Lamp: N/A
Luminaire Lumens: 3587.8 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 2.79 / 0.61 / 1.4
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65		
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	58		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46		
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41		
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	14385	14385	14385
5°	54336	13477	6901
10°	176589	11395	4498
15°	348793	9245	4001
20°	487178	7736	7065
25°	608436	10718	21189
30°	681630	6203	10033
35°	679537	4531	5200
40°	629071	2476	2476
45°	571331	1574	1333
50°	423722	853	614
55°	103461	688	268
60°	18332	614	175
65°	3360	934	208
70°	705	1154	449
75°	0	1525	593
80°	0	2273	884
85°	0	4529	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.4
10°-20°	404.7	11.3
20°-30°	982.4	27.4
30°-40°	1159.9	32.3
40°-50°	822.7	22.9
50°-60°	149.2	4.2
60°-70°	9.5	0.3
70°-80°	5.0	0.1
80°-90°	4.4	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°	1437.3	40.1
0°-40°	2597.1	72.4
0°-60°	3569.0	99.5
0°-90°	3587.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3587.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	987	565	245	148	125	165
15°	6146	2236	163	82	70	1777
25°	10059	3032	177	392	350	4628
35°	10154	1740	68	78	78	6255
45°	7369	332	20	22	17	5533
55°	1082	43	7	6	3	1405
65°	26	7	7	6	2	42
75°	0	4	7	6	3	1
85°	0	4	7	6	3	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°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	439.6	429.5	429.5	433.9	435.2	426.7	426.7	415.2	409.3	410.8	399.3
5°	987.4	1007.3	967.1	973.0	968.7	941.2	929.7	890.7	864.8	852.0	810.2
7.5°	1928.6	1898.3	1837.8	1840.6	1824.7	1780.1	1742.6	1674.9	1617.2	1575.4	1499.0
10°	3172.3	3181.0	3084.3	3075.7	3038.3	2953.3	2869.8	2738.4	2620.2	2528.1	2386.8
12.5°	4694.4	4606.5	4571.8	4547.5	4487.0	4370.0	4240.2	4058.6	3878.6	3724.2	3506.8
15°	6145.7	6096.7	6044.9	6003.1	5926.6	5779.7	5616.8	5389.2	5154.2	4950.8	4675.6
17.5°	7399.7	7340.5	7278.6	7229.7	7095.6	6991.7	6772.7	6583.9	6315.7	6073.6	5742.3
20°	8350.9	8319.4	8247.1	8179.4	8036.8	7901.4	7673.6	7458.7	7162.0	6854.7	6537.8
22.5°	9192.7	9145.1	9054.3	8952.0	8773.3	8594.6	8332.2	8093.0	7768.8	7441.5	7100.0
25°	10058.9	10037.4	9898.9	9734.5	9482.4	9230.1	8903.0	8607.7	8241.4	7897.0	7499.2
26°	10478.2	10380.2	10239.2	10047.3	9750.4	9445.0	9090.3	8766.2	8375.5	7997.8	7600.0
27°	10687.2	10611.0	10486.9	10292.3	9982.5	9622.2	9231.6	8882.8	8469.1	8078.6	7666.5
28°	10783.9	10719.1	10616.7	10436.7	10135.3	9730.4	9319.5	8950.6	8519.7	8116.1	7690.8
29°	10805.5	10755.2	10665.7	10500.0	10217.4	9803.8	9365.7	8980.8	8541.2	8129.1	7696.7
30°	10768.1	10739.2	10670.1	10511.6	10239.2	9825.5	9374.1	8980.8	8535.6	8116.1	7673.6
31°	10706.0	10688.8	10631.1	10482.6	10217.4	9798.2	9341.1	8946.2	8497.8	8074.2	7621.5
32°	10589.3	10605.2	10557.8	10412.1	10149.7	9727.3	9276.2	8885.7	8436.1	8008.0	7542.3
33°	10465.4	10504.4	10461.0	10303.8	10033.0	9613.4	9179.8	8799.2	8348.1	7915.8	7438.7
34°	10330.0	10374.6	10319.7	10142.5	9862.9	9457.8	9048.5	8679.7	8231.4	7797.5	7303.1
35°	10154.0	10191.5	10119.4	9932.0	9646.8	9263.4	8885.7	8525.3	8083.0	7641.8	7135.9
36°	9858.6	9949.4	9874.5	9681.5	9401.6	9051.5	8701.3	8350.9	7912.9	7470.2	6953.0
37°	9659.6	9677.1	9603.5	9407.5	9149.5	8838.2	8506.6	8165.0	7732.6	7278.6	6752.4
38°	9372.9	9380.1	9306.4	9123.6	8900.0	8614.8	8297.5	7964.7	7532.3	7071.0	6529.1
39°	9073.1	9071.6	9005.4	8848.2	8649.5	8376.8	8069.9	7742.6	7304.5	6832.0	6268.3
40°	8790.5	8786.1	8728.7	8584.6	8391.4	8127.6	7826.2	7497.7	7051.0	6566.6	5980.0
42.5°	8121.9	8093.0	8035.2	7894.2	7709.5	7448.7	7134.6	6779.9	6305.7	5759.4	5096.5
45°	7369.4	7307.5	7246.9	7084.1	6876.6	6596.8	6243.6	5841.5	5311.2	4713.1	4024.1
47.5°	6406.7	6323.1	6263.9	6078.0	5841.5	5527.4	5124.0	4685.7	4126.3	3485.2	2781.8
50°	4968.3	4782.3	4720.4	4427.7	4109.1	3702.7	3195.4	2688.2	2124.5	1599.7	1120.0
51°	3946.3	3738.8	3678.4	3378.5	3070.0	2695.4	2234.0	1804.4	1366.4	1008.9	749.3
52°	2884.1	2691.0	2636.1	2365.3	2105.8	1804.4	1461.5	1178.9	932.5	753.7	605.3
53°	1990.4	1864.9	1815.9	1634.4	1462.9	1269.7	1062.3	890.7	732.2	605.3	494.4
54°	1468.7	1383.6	1344.8	1213.6	1089.7	954.3	811.4	694.7	585.2	491.4	399.3
55°	1082.5	1018.9	991.7	901.0	820.1	727.8	632.6	549.1	464.2	386.3	302.6
57.5°	490.0	458.3	446.8	408.0	376.2	348.8	283.9	237.7	193.1	155.7	121.1
60°	167.2	154.1	149.8	135.4	127.0	118.2	99.5	85.2	73.6	63.3	53.4
61°	106.7	99.5	96.7	89.2	85.2	80.8	69.3	60.5	53.4	47.4	40.2
62°	72.1	67.7	66.5	62.1	59.0	57.7	50.5	44.6	39.0	34.6	30.3
63°	50.5	47.4	47.4	44.6	43.4	41.8	36.2	33.1	28.7	25.9	23.1
64°	36.2	34.6	33.1	31.8	30.3	30.3	25.9	24.6	21.5	20.3	17.2
65°	25.9	24.6	24.6	23.1	23.1	21.5	20.3	17.2	15.9	14.4	13.1
66°	18.7	17.2	17.2	17.2	15.9	15.9	14.4	13.1	11.5	11.5	10.0



TEST NUMBER: P1192162

CATALOG NUMBER: LDA6A35950D010TE 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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
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°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	402.2	392.1	389.1	386.3	381.9	377.5	364.7	361.8	358.8	347.3	344.4
5°	798.6	758.1	732.2	704.7	676.0	642.9	589.6	564.9	539.0	494.4	472.7
7.5°	1454.3	1372.1	1305.8	1238.1	1170.4	1091.0	987.4	925.3	859.1	771.2	711.9
10°	2280.1	2128.9	1999.1	1873.7	1752.6	1614.4	1478.7	1343.3	1227.9	1091.0	980.2
12.5°	3319.3	3072.9	2859.5	2649.2	2441.7	2219.6	2003.5	1792.9	1588.2	1406.7	1235.1
15°	4429.3	4110.7	3812.2	3512.4	3198.2	2865.4	2539.7	2235.5	1945.7	1692.1	1460.0
17.5°	5376.1	5014.5	4632.4	4259.2	3858.4	3411.6	3012.4	2620.2	2248.4	1921.4	1622.8
20°	6142.9	5730.7	5278.1	4834.1	4344.1	3865.6	3387.0	2920.0	2448.9	2049.6	1689.3
22.5°	6691.9	6253.9	5759.4	5255.0	4695.7	4143.8	3588.8	3039.7	2509.4	2056.8	1656.2
25°	7061.0	6583.9	6047.7	5488.6	4864.4	4256.1	3633.4	3032.5	2452.9	1970.4	1545.1
26°	7149.0	6660.4	6109.8	5529.0	4889.0	4264.8	3611.9	2992.1	2399.9	1906.7	1477.4
27°	7205.1	6702.2	6137.2	5538.9	4887.5	4274.8	3562.9	2928.7	2324.7	1829.0	1399.4
28°	7225.4	6712.2	6135.7	5518.9	4854.4	4175.6	3486.5	2838.0	2242.7	1735.4	1310.2
29°	7222.5	6699.1	6107.0	5469.7	4792.3	4092.0	3381.4	2725.6	2130.3	1630.0	1213.6
30°	7193.6	6656.0	6047.7	5387.6	4698.7	3975.1	3245.9	2589.9	2006.3	1514.9	1108.4
31°	7134.6	6582.4	5952.5	5266.6	4569.0	3826.6	3087.2	2437.3	1869.3	1390.8	1000.2
32°	7045.1	6477.2	5824.3	5116.8	4410.5	3653.7	2908.5	2249.8	1723.9	1264.0	906.6
33°	6929.9	6343.2	5670.2	4940.8	4231.8	3454.7	2711.3	2118.8	1575.4	1135.9	784.0
34°	6782.7	6180.3	5482.8	4737.5	4024.1	3234.4	2506.3	1918.3	1425.4	1006.1	691.9
35°	6607.0	5984.4	5269.4	4512.9	3793.5	2995.1	2320.4	1739.8	1272.8	876.3	588.0
36°	6409.5	5766.6	5030.1	4270.8	3541.4	2751.5	2108.6	1561.0	1121.2	749.3	495.8
37°	6193.4	5527.4	4776.5	4005.4	3270.3	2499.1	1896.8	1385.1	973.0	628.3	422.3
38°	5949.7	5259.4	4495.4	3712.9	2980.5	2248.4	1687.7	1209.2	824.5	520.3	369.0
39°	5667.2	4953.7	4190.0	3390.1	2683.8	1996.3	1481.8	1036.4	684.7	433.9	328.5
40°	5353.0	4629.6	3855.5	3048.4	2384.0	1751.0	1279.9	869.1	559.3	374.7	294.1
42.5°	4430.5	3679.6	2902.8	2241.2	1686.5	1190.5	820.1	520.3	361.8	278.3	216.2
45°	3341.1	2637.6	2004.9	1508.9	1096.9	713.4	467.0	331.6	256.5	193.1	151.3
47.5°	2186.5	1643.1	1169.0	811.4	549.1	366.2	285.5	216.2	167.2	128.2	102.3
50°	824.5	608.3	472.7	377.5	298.3	226.2	178.8	137.0	105.1	80.8	64.9
51°	609.5	491.4	387.7	309.8	246.5	187.5	145.7	108.3	83.6	64.9	53.4
52°	500.1	403.6	318.6	253.7	200.3	145.7	112.3	85.2	67.7	53.4	43.4
53°	409.3	328.5	256.5	200.3	152.9	111.1	86.4	67.7	54.9	43.4	36.2
54°	325.7	255.2	191.6	147.0	113.9	83.6	67.7	53.4	43.4	36.2	30.3
55°	242.1	184.4	137.0	108.3	85.2	64.9	53.4	43.4	36.2	28.7	24.6
57.5°	99.5	79.2	64.9	53.4	44.6	36.2	30.3	25.9	21.5	17.2	14.4
60°	46.2	39.0	34.6	28.7	24.6	20.3	17.2	15.9	13.1	11.5	10.0
61°	36.2	30.3	25.9	23.1	20.3	15.9	14.4	13.1	11.5	10.0	8.7
62°	27.5	23.1	20.3	17.2	15.9	13.1	11.5	10.0	8.7	8.7	7.2
63°	20.3	17.2	15.9	14.4	13.1	11.5	10.0	8.7	8.7	7.2	7.2
64°	15.9	14.4	13.1	11.5	10.0	8.7	8.7	7.2	7.2	5.6	5.6
65°	11.5	11.5	10.0	8.7	8.7	7.2	7.2	7.2	5.6	5.6	5.6
66°	10.0	8.7	7.2	7.2	7.2	5.6	5.6	5.6	5.6	5.6	5.6



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CATALOG NUMBER: LDA6A35950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	2.8	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4
75°	2.8	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4
80°	2.8	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4
82.5°	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4	4.4
85°	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4	4.4
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: P1192162

CATALOG NUMBER: LDA6A35950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	337.3	335.7	325.7	321.4	315.7	308.5	302.6	298.3	291.1	285.5	279.6
5°	442.4	426.7	400.6	383.4	367.5	351.6	338.7	327.2	314.2	302.6	291.1
7.5°	638.6	585.2	520.3	471.3	430.9	395.0	369.0	347.3	327.2	309.8	289.7
10°	857.6	759.6	660.1	566.5	492.9	430.9	387.7	354.6	327.2	304.2	278.3
12.5°	1059.4	915.3	769.6	644.2	536.2	451.2	392.1	350.3	318.6	289.7	259.6
15°	1230.9	1037.9	853.2	691.9	557.8	452.6	384.9	338.7	302.6	268.0	237.7
17.5°	1339.0	1094.1	876.3	690.4	543.4	429.5	361.8	317.0	276.7	242.1	213.4
20°	1362.0	1081.0	843.2	639.8	492.9	386.3	330.1	283.9	243.7	213.4	188.8
22.5°	1304.4	1007.3	755.2	553.4	422.3	341.6	294.1	249.3	216.2	191.6	171.6
25°	1180.5	879.1	634.2	454.0	361.8	301.3	258.0	222.0	197.5	181.6	170.0
26°	1115.6	815.8	579.3	418.0	341.6	286.7	246.5	214.7	194.7	183.1	174.4
27°	1040.7	748.1	524.7	386.3	322.9	268.0	232.1	203.1	184.4	174.4	168.8
28°	958.4	676.0	472.7	357.4	299.8	244.9	211.8	184.4	165.7	154.1	144.1
29°	871.9	603.9	425.2	331.6	276.7	225.0	193.1	167.2	148.5	137.0	127.0
30°	781.1	534.7	384.9	308.5	253.7	206.2	177.2	152.9	135.4	123.9	113.9
31°	693.2	471.3	356.0	283.9	233.4	190.3	164.4	144.1	127.0	115.4	108.3
32°	605.3	418.0	328.5	260.8	214.7	178.8	152.9	135.4	121.1	111.1	105.1
33°	526.0	373.4	304.2	239.3	199.1	167.2	145.7	129.8	116.7	108.3	102.3
34°	455.4	343.1	276.7	217.8	183.1	154.1	134.2	119.5	106.7	99.5	92.4
35°	397.8	311.4	249.3	195.9	164.4	138.5	121.1	106.7	95.2	88.0	80.8
36°	353.2	279.6	222.0	174.4	147.0	125.4	108.3	95.2	85.2	77.7	72.1
37°	318.6	250.8	199.1	157.2	134.2	112.3	98.0	86.4	76.4	69.3	63.3
38°	286.7	223.4	178.8	142.6	121.1	102.3	88.0	79.2	69.3	62.1	56.2
39°	255.2	195.9	160.1	129.8	111.1	93.6	80.8	72.1	62.1	56.2	50.5
40°	226.2	176.0	144.1	116.7	100.8	83.6	73.6	64.9	56.2	50.5	44.6
42.5°	167.2	131.0	109.5	89.2	76.4	64.9	56.2	47.4	41.8	37.4	33.1
45°	119.5	95.2	79.2	64.9	54.9	46.2	39.0	34.6	30.3	27.5	24.6
47.5°	80.8	64.9	54.9	43.4	37.4	31.8	27.5	24.6	21.5	18.7	17.2
50°	51.8	41.8	36.2	28.7	24.6	21.5	18.7	15.9	14.4	13.1	13.1
51°	43.4	34.6	30.3	24.6	21.5	18.7	15.9	14.4	13.1	11.5	10.0
52°	36.2	28.7	24.6	20.3	17.2	15.9	13.1	11.5	10.0	10.0	10.0
53°	30.3	24.6	21.5	17.2	15.9	13.1	11.5	10.0	8.7	8.7	8.7
54°	24.6	20.3	17.2	14.4	13.1	11.5	10.0	8.7	8.7	7.2	7.2
55°	20.3	17.2	14.4	13.1	11.5	10.0	8.7	7.2	7.2	7.2	7.2
57.5°	13.1	11.5	10.0	8.7	7.2	7.2	5.6	5.6	5.6	5.6	5.6
60°	8.7	7.2	7.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
61°	7.2	7.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62°	7.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
63°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
64°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
66°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192162

CATALOG NUMBER: LDA6A35950D010TE 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°	4.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
75°	4.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
77.5°	4.4	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
80°	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.2
82.5°	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.2
85°	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.2
87.5°	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
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

Peachtree City, GA 30269



TEST NUMBER: P1192162

CATALOG NUMBER: LDA6A35950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	272.4	268.0	260.8	256.5	216.2	194.7	174.4	172.8
5°	278.3	266.8	255.2	244.9	178.8	148.5	128.2	125.4
7.5°	272.4	255.2	239.3	227.8	149.8	116.7	99.5	96.7
10°	256.5	237.7	219.0	204.7	128.2	99.5	83.6	80.8
12.5°	236.5	216.2	197.5	181.6	111.1	89.2	76.4	73.6
15°	213.4	193.1	177.2	162.9	102.3	82.1	73.6	70.5
17.5°	191.6	172.8	158.5	145.7	95.2	79.2	74.9	76.4
20°	170.0	155.7	142.6	132.6	98.0	93.6	108.3	121.1
22.5°	157.2	147.0	139.8	132.6	151.3	233.4	527.5	625.5
25°	164.4	162.9	167.2	177.2	309.8	392.1	346.0	350.3
26°	172.8	176.0	183.1	193.1	265.2	246.5	226.2	242.1
27°	167.2	168.8	167.2	165.7	174.4	172.8	181.6	197.5
28°	139.8	137.0	134.2	129.8	132.6	147.0	167.2	180.3
29°	121.1	118.2	113.9	109.5	115.4	142.6	161.3	170.0
30°	109.5	105.1	100.8	98.0	115.4	141.3	154.1	158.5
31°	102.3	99.5	96.7	96.7	116.7	134.2	141.3	142.6
32°	102.3	99.5	98.0	98.0	108.3	119.5	123.9	125.4
33°	99.5	96.7	92.4	90.8	95.2	103.9	108.3	108.3
34°	88.0	85.2	82.1	77.7	82.1	89.2	93.6	92.4
35°	76.4	73.6	70.5	67.7	70.5	77.7	79.2	77.7
36°	66.5	63.3	60.5	57.7	60.5	66.5	67.7	66.5
37°	59.0	56.2	53.4	50.5	50.5	57.7	59.0	56.2
38°	53.4	49.0	46.2	44.6	44.6	50.5	50.5	47.4
39°	47.4	44.6	41.8	39.0	39.0	43.4	43.4	40.2
40°	41.8	39.0	36.2	34.6	34.6	37.4	37.4	34.6
42.5°	30.3	28.7	27.5	25.9	25.9	28.7	27.5	24.6
45°	23.1	21.5	20.3	20.3	20.3	21.5	18.7	17.2
47.5°	15.9	15.9	14.4	14.4	14.4	15.9	14.4	13.1
50°	11.5	11.5	10.0	10.0	11.5	11.5	10.0	7.2
51°	10.0	10.0	10.0	8.7	10.0	10.0	8.7	7.2
52°	8.7	8.7	8.7	8.7	8.7	8.7	7.2	5.6
53°	7.2	7.2	7.2	7.2	7.2	7.2	5.6	4.4
54°	7.2	7.2	7.2	7.2	7.2	7.2	4.4	4.4
55°	7.2	7.2	7.2	7.2	7.2	5.6	4.4	2.8
57.5°	5.6	5.6	5.6	5.6	5.6	5.6	4.4	2.8
60°	5.6	5.6	5.6	5.6	5.6	5.6	2.8	1.6
61°	5.6	5.6	5.6	5.6	7.2	5.6	2.8	1.6
62°	5.6	5.6	5.6	5.6	7.2	5.6	2.8	1.6
63°	5.6	5.6	5.6	5.6	7.2	5.6	2.8	1.6
64°	5.6	5.6	5.6	7.2	7.2	5.6	2.8	1.6
65°	5.6	5.6	7.2	7.2	7.2	5.6	2.8	1.6
66°	5.6	7.2	7.2	7.2	7.2	5.6	2.8	1.6



TEST NUMBER: P1192162

CATALOG NUMBER: LDA6A35950D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	5.6	7.2	7.2	7.2	7.2	5.6	4.4	2.8
75°	5.6	7.2	7.2	7.2	7.2	5.6	4.4	2.8
77.5°	7.2	7.2	7.2	7.2	7.2	5.6	4.4	2.8
80°	7.2	7.2	7.2	7.2	7.2	5.6	4.4	2.8
82.5°	7.2	7.2	7.2	7.2	7.2	5.6	4.4	2.8
85°	7.2	7.2	7.2	7.2	7.2	5.6	4.4	2.8
87.5°	7.2	7.2	7.2	7.2	7.2	5.6	2.8	1.6
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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Peachtree City, GA 30269

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— 0°-180° - - 45°-225° - - - 90°-270°

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67.5°	11.5	10.0	10.0	10.0	10.0	8.7	8.7	8.7	7.2	7.2	5.6
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.8

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67.5°	5.6	5.6	5.6	5.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70°	2.8	2.8	2.8	2.8	2.8	2.8	4.4	4.4	4.4	4.4	4.4

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67.5°	4.4	4.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	4.4	4.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6

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67.5°	5.6	7.2	7.2	7.2	7.2	5.6	2.8	2.8
70°	5.6	5.6	7.2	7.2	7.2	5.6	4.4	2.8

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Scaled Data Report



(END OF REPORT)