

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: P175598

Luminaire Tested: **LDA6A30940D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175598  
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: LDA6A30940D010TE 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 / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2190.6 lumens  
Efficiency: N/A  
Efficacy: 49.2 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

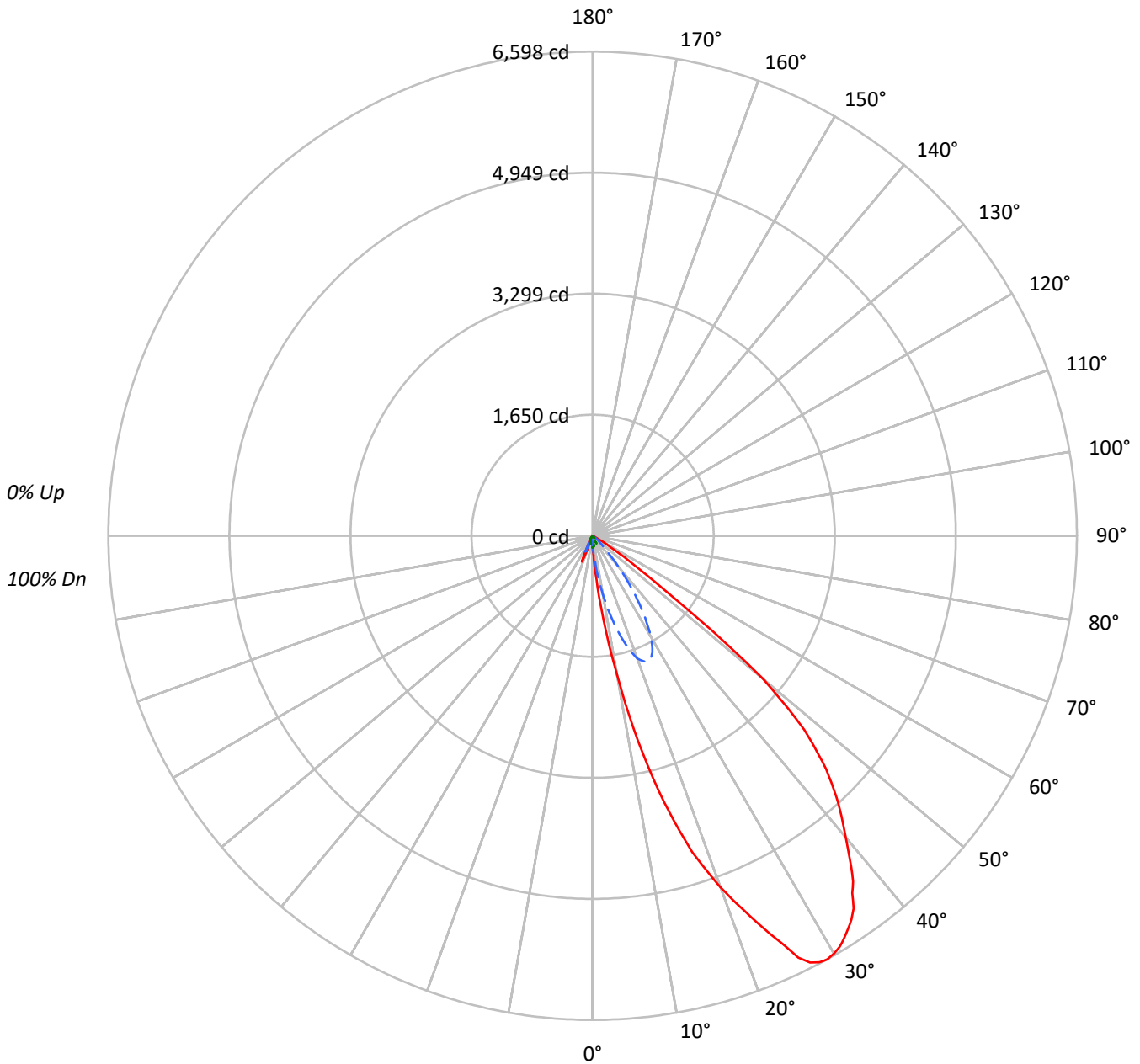
Input Watts (W): 44.49  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
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°	8782	8782	8782
5°	33172	8232	4215
10°	107819	6958	2744
15°	212964	5641	2446
20°	297456	4725	4311
25°	371489	6545	12932
30°	416178	3785	6128
35°	414903	2771	3179
40°	384091	1510	1510
45°	348835	954	822
50°	258704	529	375
55°	63166	421	172
60°	11194	384	99
65°	2050	571	117
70°	417	705	289
75°	0	932	381
80°	0	1389	568
85°	0	2768	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	1.4
10°-20°	247.1	11.3
20°-30°	599.8	27.4
30°-40°	708.2	32.3
40°-50°	502.3	22.9
50°-60°	91.1	4.2
60°-70°	5.8	0.3
70°-80°	3.0	0.1
80°-90°	2.7	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°	877.5	40.1
0°-40°	1585.7	72.4
0°-60°	2179.1	99.5
0°-90°	2190.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2190.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	603	345	150	91	77	101
15°	3752	1365	99	50	43	1085
25°	6142	1852	108	239	214	2826
35°	6200	1062	41	48	48	3819
45°	4500	202	12	13	11	3378
55°	661	26	4	4	2	858
65°	16	4	4	4	1	25
75°	0	3	4	4	2	1
85°	0	3	4	4	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°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	268.4	262.2	262.2	264.9	265.8	260.5	260.5	253.4	249.9	250.8	243.8
5°	602.8	615.1	590.5	594.0	591.4	574.6	567.6	543.8	528.0	520.1	494.6
7.5°	1177.5	1159.0	1122.0	1123.8	1114.1	1086.8	1063.9	1022.6	987.4	961.9	915.2
10°	1936.9	1942.2	1883.2	1878.0	1855.1	1803.1	1752.1	1672.0	1599.9	1543.5	1457.3
12.5°	2866.2	2812.5	2791.4	2776.4	2739.5	2668.2	2589.0	2478.1	2368.1	2274.0	2141.1
15°	3752.4	3722.5	3690.8	3665.3	3618.6	3528.9	3429.4	3290.4	3146.9	3022.8	2854.8
17.5°	4518.0	4481.9	4444.1	4414.2	4332.3	4268.9	4135.2	4019.9	3856.2	3708.4	3506.0
20°	5098.8	5079.4	5035.4	4994.1	4907.0	4824.2	4685.2	4554.1	4372.8	4185.3	3991.7
22.5°	5612.7	5583.7	5528.3	5465.8	5356.6	5247.5	5087.4	4941.3	4743.3	4543.5	4335.0
25°	6141.6	6128.4	6043.9	5943.6	5789.6	5635.6	5435.8	5255.4	5031.9	4821.6	4578.7
26°	6397.7	6337.9	6251.6	6134.6	5953.3	5766.7	5550.3	5352.2	5113.8	4883.2	4640.3
27°	6525.3	6478.7	6403.0	6284.2	6095.0	5875.0	5636.5	5423.5	5171.0	4932.5	4680.8
28°	6584.3	6544.7	6482.2	6372.2	6188.3	5941.0	5690.2	5464.9	5201.8	4955.4	4695.8
29°	6597.5	6566.7	6512.1	6410.9	6238.4	5985.9	5718.3	5483.4	5215.0	4963.3	4699.3
30°	6574.6	6557.0	6514.7	6417.9	6251.6	5999.1	5723.6	5483.4	5211.4	4955.4	4685.2
31°	6536.7	6526.2	6491.0	6400.3	6238.4	5982.3	5703.4	5462.2	5188.6	4929.8	4653.5
32°	6465.5	6475.1	6446.1	6357.2	6197.1	5939.2	5663.8	5425.3	5150.7	4889.4	4605.1
33°	6389.8	6413.5	6387.1	6291.2	6125.8	5869.7	5604.8	5372.5	5097.0	4833.0	4541.8
34°	6307.1	6334.3	6300.9	6192.7	6021.9	5774.7	5524.7	5299.4	5025.8	4760.9	4459.0
35°	6199.7	6222.6	6178.6	6064.2	5889.9	5655.9	5425.3	5205.3	4935.1	4665.8	4357.0
36°	6019.3	6074.7	6029.0	5911.1	5740.3	5526.5	5312.6	5098.8	4831.3	4561.1	4245.2
37°	5897.9	5908.4	5863.5	5743.9	5586.3	5396.2	5193.8	4985.3	4721.3	4444.1	4122.9
38°	5722.7	5727.1	5682.3	5570.5	5434.1	5259.8	5066.2	4863.0	4599.0	4317.4	3986.5
39°	5539.7	5538.8	5498.3	5402.4	5281.0	5114.6	4927.2	4727.4	4459.9	4171.3	3827.2
40°	5367.2	5364.6	5329.4	5241.4	5123.4	4962.4	4778.5	4577.8	4305.0	4009.3	3651.2
42.5°	4958.9	4941.3	4906.1	4819.8	4707.2	4547.9	4356.1	4139.6	3850.1	3516.5	3111.7
45°	4499.5	4461.7	4424.7	4325.3	4198.5	4027.8	3812.2	3566.7	3242.9	2877.6	2457.0
47.5°	3911.7	3860.6	3824.5	3711.0	3566.7	3374.9	3128.5	2860.9	2519.5	2127.9	1698.4
50°	3033.4	2919.9	2882.0	2703.4	2508.9	2260.8	1951.0	1641.2	1297.1	976.8	683.8
51°	2409.5	2282.8	2245.8	2062.8	1874.4	1645.6	1364.0	1101.8	834.3	616.0	457.6
52°	1760.9	1643.0	1609.5	1444.1	1285.7	1101.8	892.3	719.9	569.4	460.2	369.6
53°	1215.3	1138.7	1108.8	997.9	893.2	775.3	648.6	543.8	447.0	369.6	301.8
54°	896.7	844.8	821.1	741.0	665.3	582.6	495.4	424.2	357.3	300.1	243.8
55°	660.9	622.2	605.4	550.0	500.7	444.4	386.3	335.3	283.4	235.8	184.8
57.5°	299.2	279.8	272.8	249.0	229.7	213.0	173.4	145.2	117.9	95.0	73.9
60°	102.1	94.2	91.5	82.7	77.4	72.2	60.7	51.9	44.9	38.7	32.6
61°	65.1	60.7	59.0	54.6	51.9	49.3	42.2	37.0	32.6	29.0	24.6
62°	44.0	41.4	40.5	37.8	36.1	35.2	30.8	27.3	23.8	21.1	18.5
63°	30.8	29.0	29.0	27.3	26.4	25.5	22.0	20.2	17.6	15.8	14.1
64°	22.0	21.1	20.2	19.4	18.5	18.5	15.8	15.0	13.2	12.3	10.6
65°	15.8	15.0	15.0	14.1	14.1	13.2	12.3	10.6	9.7	8.8	7.9
66°	11.4	10.6	10.6	10.6	9.7	9.7	8.8	7.9	7.0	7.0	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
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°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	245.5	239.4	237.6	235.8	233.2	230.6	222.6	220.9	219.1	212.1	210.3
5°	487.5	462.9	447.0	430.3	412.7	392.5	359.9	345.0	329.1	301.8	288.6
7.5°	887.9	837.8	797.3	755.9	714.6	666.2	602.8	565.0	524.5	470.8	434.7
10°	1392.2	1299.8	1220.6	1144.0	1070.1	985.6	902.9	820.2	749.8	666.2	598.4
12.5°	2026.7	1876.2	1745.9	1617.5	1490.7	1355.2	1223.2	1094.7	969.8	858.9	754.2
15°	2704.3	2509.8	2327.6	2144.6	1952.8	1749.5	1550.6	1364.9	1188.0	1033.1	891.5
17.5°	3282.5	3061.6	2828.4	2600.4	2355.8	2083.0	1839.2	1599.9	1372.8	1173.1	990.9
20°	3750.6	3498.9	3222.6	2951.6	2652.4	2360.2	2068.0	1782.9	1495.1	1251.4	1031.4
22.5°	4085.9	3818.4	3516.5	3208.5	2867.1	2530.0	2191.2	1856.0	1532.1	1255.8	1011.1
25°	4311.2	4019.9	3692.5	3351.1	2970.0	2598.7	2218.5	1851.6	1497.8	1203.0	943.4
26°	4364.9	4066.5	3730.4	3375.7	2985.0	2604.0	2205.3	1826.9	1465.2	1164.3	902.0
27°	4399.2	4092.1	3747.1	3381.9	2984.1	2610.1	2175.4	1788.2	1419.5	1116.7	854.5
28°	4411.5	4098.2	3746.2	3369.6	2963.9	2549.4	2128.8	1732.7	1369.3	1059.5	799.9
29°	4409.8	4090.3	3728.6	3339.7	2926.0	2498.4	2064.5	1664.1	1300.7	995.3	741.0
30°	4392.2	4063.9	3692.5	3289.5	2868.8	2427.1	1981.8	1581.4	1225.0	924.9	676.7
31°	4356.1	4019.0	3634.5	3215.6	2789.6	2336.4	1885.0	1488.1	1141.4	849.2	610.7
32°	4301.5	3954.8	3556.1	3124.1	2692.8	2230.8	1775.9	1373.7	1052.5	771.8	553.5
33°	4231.1	3872.9	3462.0	3016.7	2583.7	2109.4	1655.3	1293.6	961.9	693.5	478.7
34°	4141.3	3773.5	3347.6	2892.6	2457.0	1974.8	1530.3	1171.3	870.3	614.3	422.4
35°	4034.0	3653.8	3217.3	2755.3	2316.2	1828.7	1416.8	1062.2	777.1	535.0	359.0
36°	3913.4	3520.9	3071.3	2607.5	2162.2	1679.9	1287.5	953.1	684.7	457.6	302.7
37°	3781.4	3374.9	2916.4	2445.6	1996.8	1525.9	1158.1	845.7	594.0	383.7	257.8
38°	3632.7	3211.2	2744.8	2266.9	1819.9	1372.8	1030.5	738.3	503.4	317.7	225.3
39°	3460.2	3024.6	2558.2	2069.8	1638.6	1218.8	904.7	632.7	418.0	264.9	200.6
40°	3268.4	2826.6	2354.0	1861.2	1455.5	1069.2	781.5	530.6	341.4	228.8	179.5
42.5°	2705.2	2246.7	1772.3	1368.4	1029.6	726.9	500.7	317.7	220.9	169.8	132.0
45°	2039.9	1610.4	1224.1	921.4	669.7	435.6	285.1	202.4	156.6	117.9	92.4
47.5°	1335.0	1003.2	713.7	495.4	335.3	223.5	174.2	132.0	102.1	78.3	62.5
50°	503.4	371.4	288.6	230.6	182.2	138.2	109.1	83.6	64.2	49.3	39.6
51°	372.2	300.1	236.7	189.2	150.5	114.4	88.9	66.0	51.0	39.6	32.6
52°	305.4	246.4	194.5	154.9	122.3	88.9	68.6	51.9	41.4	32.6	26.4
53°	249.9	200.6	156.6	122.3	93.3	67.8	52.8	41.4	33.4	26.4	22.0
54°	198.9	155.8	117.0	89.8	69.5	51.0	41.4	32.6	26.4	22.0	18.5
55°	147.8	112.6	83.6	66.0	51.9	39.6	32.6	26.4	22.0	17.6	15.0
57.5°	60.7	48.4	39.6	32.6	27.3	22.0	18.5	15.8	13.2	10.6	8.8
60°	28.2	23.8	21.1	17.6	15.0	12.3	10.6	9.7	7.9	7.0	6.2
61°	22.0	18.5	15.8	14.1	12.3	9.7	8.8	7.9	7.0	6.2	5.3
62°	16.7	14.1	12.3	10.6	9.7	7.9	7.0	6.2	5.3	5.3	4.4
63°	12.3	10.6	9.7	8.8	7.9	7.0	6.2	5.3	5.3	4.4	4.4
64°	9.7	8.8	7.9	7.0	6.2	5.3	5.3	4.4	4.4	3.5	3.5
65°	7.0	7.0	6.2	5.3	5.3	4.4	4.4	4.4	3.5	3.5	3.5
66°	6.2	5.3	4.4	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5





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CATALOG NUMBER: LDA6A30940D010TE 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°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
75°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
82.5°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
85°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	1.8	1.8	1.8	1.8	1.8	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



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CATALOG NUMBER: LDA6A30940D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	205.9	205.0	198.9	196.2	192.7	188.3	184.8	182.2	177.8	174.2	170.7
5°	270.2	260.5	244.6	234.1	224.4	214.7	206.8	199.8	191.8	184.8	177.8
7.5°	389.8	357.3	317.7	287.8	263.1	241.1	225.3	212.1	199.8	189.2	176.9
10°	523.6	463.8	403.0	345.8	301.0	263.1	236.7	216.5	199.8	185.7	169.8
12.5°	646.8	558.8	469.9	393.4	327.4	275.4	239.4	213.8	194.5	176.9	158.4
15°	751.5	633.6	521.0	422.4	340.6	276.3	235.0	206.8	184.8	163.7	145.2
17.5°	817.5	667.9	535.0	421.5	331.8	262.2	220.9	193.6	169.0	147.8	130.2
20°	831.6	660.0	514.8	390.7	301.0	235.8	201.5	173.4	148.7	130.2	115.3
22.5°	796.4	615.1	461.1	337.9	257.8	208.6	179.5	152.2	132.0	117.0	104.7
25°	720.7	536.8	387.2	277.2	220.9	183.9	157.5	135.5	120.6	110.9	103.8
26°	681.1	498.1	353.8	255.2	208.6	175.1	150.5	131.1	118.8	111.8	106.5
27°	635.4	456.7	320.3	235.8	197.1	163.7	141.7	124.1	112.6	106.5	103.0
28°	585.2	412.7	288.6	218.2	183.0	149.6	129.4	112.6	101.2	94.2	88.0
29°	532.4	368.7	259.6	202.4	169.0	137.3	117.9	102.1	90.6	83.6	77.4
30°	477.0	326.5	235.0	188.3	154.9	125.8	108.2	93.3	82.7	75.7	69.5
31°	423.3	287.8	217.4	173.4	142.6	116.2	100.3	88.0	77.4	70.4	66.0
32°	369.6	255.2	200.6	159.3	131.1	109.1	93.3	82.7	73.9	67.8	64.2
33°	321.2	227.9	185.7	146.1	121.4	102.1	88.9	79.2	71.3	66.0	62.5
34°	278.1	209.4	169.0	132.9	111.8	94.2	81.8	73.0	65.1	60.7	56.3
35°	242.9	190.1	152.2	119.7	100.3	84.5	73.9	65.1	58.1	53.7	49.3
36°	215.6	170.7	135.5	106.5	89.8	76.6	66.0	58.1	51.9	47.5	44.0
37°	194.5	153.1	121.4	95.9	81.8	68.6	59.8	52.8	46.6	42.2	38.7
38°	175.1	136.4	109.1	87.1	73.9	62.5	53.7	48.4	42.2	37.8	34.3
39°	155.8	119.7	97.7	79.2	67.8	57.2	49.3	44.0	37.8	34.3	30.8
40°	138.2	107.4	88.0	71.3	61.6	51.0	44.9	39.6	34.3	30.8	27.3
42.5°	102.1	80.1	66.9	54.6	46.6	39.6	34.3	29.0	25.5	22.9	20.2
45°	73.0	58.1	48.4	39.6	33.4	28.2	23.8	21.1	18.5	16.7	15.0
47.5°	49.3	39.6	33.4	26.4	22.9	19.4	16.7	15.0	13.2	11.4	10.6
50°	31.7	25.5	22.0	17.6	15.0	13.2	11.4	9.7	8.8	7.9	7.9
51°	26.4	21.1	18.5	15.0	13.2	11.4	9.7	8.8	7.9	7.0	6.2
52°	22.0	17.6	15.0	12.3	10.6	9.7	7.9	7.0	6.2	6.2	6.2
53°	18.5	15.0	13.2	10.6	9.7	7.9	7.0	6.2	5.3	5.3	5.3
54°	15.0	12.3	10.6	8.8	7.9	7.0	6.2	5.3	5.3	4.4	4.4
55°	12.3	10.6	8.8	7.9	7.0	6.2	5.3	4.4	4.4	4.4	4.4
57.5°	7.9	7.0	6.2	5.3	4.4	4.4	3.5	3.5	3.5	3.5	3.5
60°	5.3	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
61°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62°	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
63°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
64°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
66°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P175598

CATALOG NUMBER: LDA6A30940D010TE 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°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
82.5°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
85°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
87.5°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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: P175598

CATALOG NUMBER: LDA6A30940D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	166.3	163.7	159.3	156.6	132.0	118.8	106.5	105.6
5°	169.8	162.8	155.8	149.6	109.1	90.6	78.3	76.6
7.5°	166.3	155.8	146.1	139.0	91.5	71.3	60.7	59.0
10°	156.6	145.2	133.8	125.0	78.3	60.7	51.0	49.3
12.5°	144.3	132.0	120.6	110.9	67.8	54.6	46.6	44.9
15°	130.2	117.9	108.2	99.4	62.5	50.2	44.9	43.1
17.5°	117.0	105.6	96.8	88.9	58.1	48.4	45.8	46.6
20°	103.8	95.0	87.1	81.0	59.8	57.2	66.0	73.9
22.5°	95.9	89.8	85.4	81.0	92.4	142.6	322.1	381.9
25°	100.3	99.4	102.1	108.2	189.2	239.4	211.2	213.8
26°	105.6	107.4	111.8	117.9	161.9	150.5	138.2	147.8
27°	102.1	103.0	102.1	101.2	106.5	105.6	110.9	120.6
28°	85.4	83.6	81.8	79.2	81.0	89.8	102.1	110.0
29°	73.9	72.2	69.5	66.9	70.4	87.1	98.6	103.8
30°	66.9	64.2	61.6	59.8	70.4	86.2	94.2	96.8
31°	62.5	60.7	59.0	59.0	71.3	81.8	86.2	87.1
32°	62.5	60.7	59.8	59.8	66.0	73.0	75.7	76.6
33°	60.7	59.0	56.3	55.4	58.1	63.4	66.0	66.0
34°	53.7	51.9	50.2	47.5	50.2	54.6	57.2	56.3
35°	46.6	44.9	43.1	41.4	43.1	47.5	48.4	47.5
36°	40.5	38.7	37.0	35.2	37.0	40.5	41.4	40.5
37°	36.1	34.3	32.6	30.8	30.8	35.2	36.1	34.3
38°	32.6	29.9	28.2	27.3	27.3	30.8	30.8	29.0
39°	29.0	27.3	25.5	23.8	23.8	26.4	26.4	24.6
40°	25.5	23.8	22.0	21.1	21.1	22.9	22.9	21.1
42.5°	18.5	17.6	16.7	15.8	15.8	17.6	16.7	15.0
45°	14.1	13.2	12.3	12.3	12.3	13.2	11.4	10.6
47.5°	9.7	9.7	8.8	8.8	8.8	9.7	8.8	7.9
50°	7.0	7.0	6.2	6.2	7.0	7.0	6.2	4.4
51°	6.2	6.2	6.2	5.3	6.2	6.2	5.3	4.4
52°	5.3	5.3	5.3	5.3	5.3	5.3	4.4	3.5
53°	4.4	4.4	4.4	4.4	4.4	4.4	3.5	2.6
54°	4.4	4.4	4.4	4.4	4.4	4.4	2.6	2.6
55°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	2.6	1.8
60°	3.5	3.5	3.5	3.5	3.5	3.5	1.8	0.9
61°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
62°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
63°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
64°	3.5	3.5	3.5	4.4	4.4	3.5	1.8	0.9
65°	3.5	3.5	4.4	4.4	4.4	3.5	1.8	0.9
66°	3.5	4.4	4.4	4.4	4.4	3.5	1.8	0.9



TEST NUMBER: P175598

CATALOG NUMBER: LDA6A30940D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.5	4.4	4.4	4.4	4.4	3.5	2.6	1.8
75°	3.5	4.4	4.4	4.4	4.4	3.5	2.6	1.8
77.5°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
80°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
82.5°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
85°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
87.5°	4.4	4.4	4.4	4.4	4.4	3.5	1.8	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°    - - 45°-225°    - - - - 90°-270°









67.5°	7.0	6.2	6.2	6.2	6.2	5.3	5.3	5.3	4.4	4.4	3.5
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8





67.5°	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6





67.5°	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5







67.5°	3.5	4.4	4.4	4.4	4.4	3.5	1.8	1.8
70°	3.5	3.5	4.4	4.4	4.4	3.5	2.6	1.8



(END OF REPORT)