

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: P175597

Luminaire Tested: **LDA6A30935D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175597
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: LDA6A30935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.3 lumens
Efficiency: N/A
Efficacy: 45.9 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

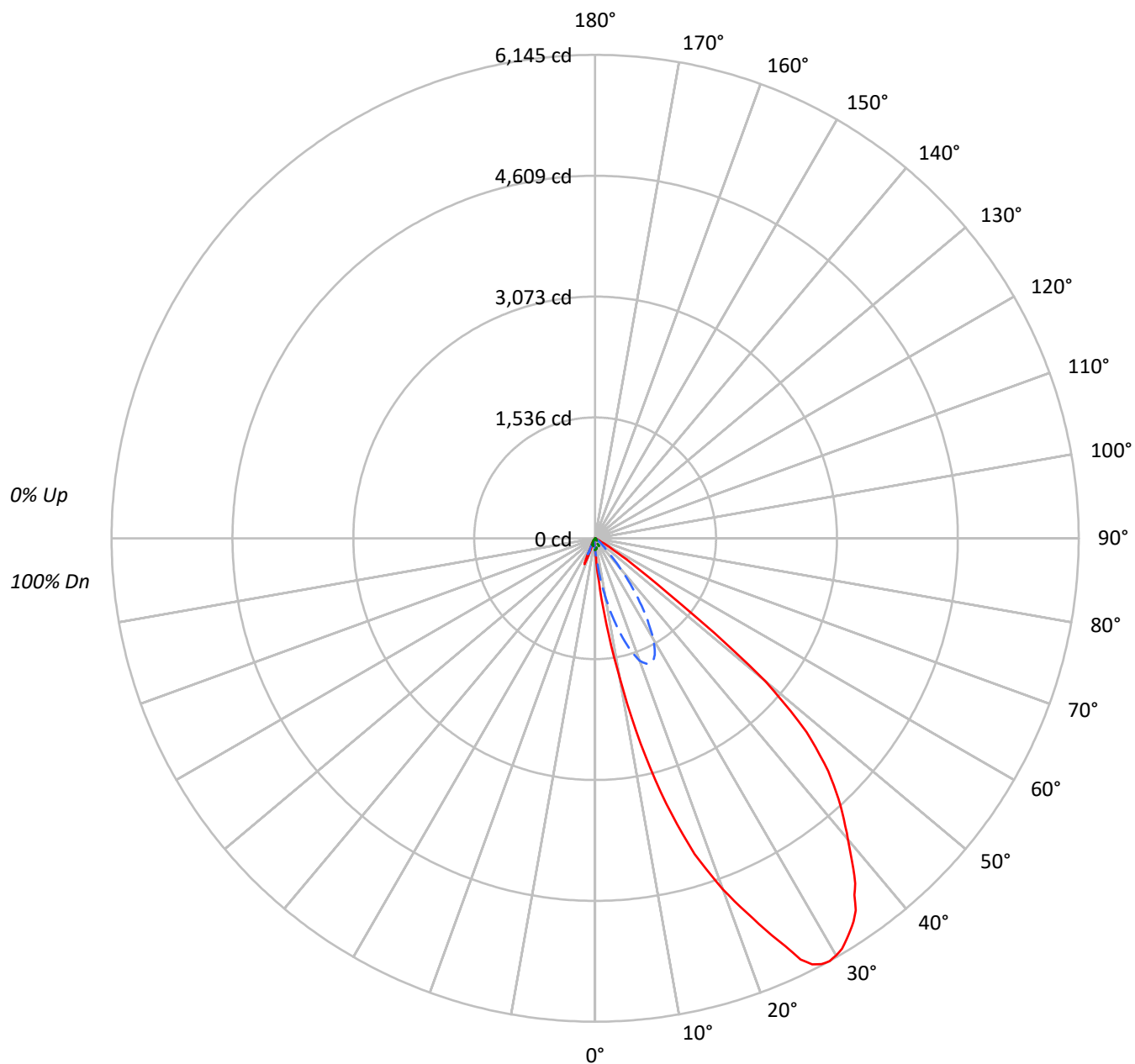
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	8179	8179	8179
5°	30894	7666	3924
10°	100421	6480	2555
15°	198344	5255	2282
20°	277037	4399	4014
25°	345988	6097	12049
30°	387610	3526	5710
35°	386420	2577	2965
40°	357727	1410	1410
45°	324886	892	760
50°	240947	486	350
55°	58827	392	153
60°	10427	362	88
65°	1920	532	104
70°	401	657	256
75°	0	868	339
80°	0	1294	505
85°	0	2579	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.4
10°-20°	230.1	11.3
20°-30°	558.7	27.4
30°-40°	659.6	32.3
40°-50°	467.8	22.9
50°-60°	84.9	4.2
60°-70°	5.4	0.3
70°-80°	2.8	0.1
80°-90°	2.5	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°	817.3	40.1
0°-40°	1476.9	72.4
0°-60°	2029.5	99.5
0°-90°	2040.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	149	149	149	149	149	
5°	561	321	139	84	71	94
15°	3495	1271	93	47	40	1011
25°	5720	1724	101	223	199	2632
35°	5774	989	38	44	44	3557
45°	4191	188	12	12	10	3146
55°	616	25	4	3	2	799
65°	15	4	4	3	1	24
75°	0	2	4	3	2	1
85°	0	2	4	3	2	0
90°	0	0	0	0	0	



TEST NUMBER: P175597

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	250.0	244.2	244.2	246.7	247.5	242.6	242.6	236.0	232.8	233.6	227.0
5°	561.4	572.9	550.0	553.2	550.8	535.2	528.6	506.5	491.8	484.4	460.6
7.5°	1096.6	1079.4	1045.0	1046.6	1037.6	1012.2	990.9	952.4	919.6	895.8	852.4
10°	1804.0	1808.9	1754.0	1749.0	1727.7	1679.4	1631.8	1557.3	1490.0	1437.6	1357.3
12.5°	2669.5	2619.5	2599.8	2585.9	2551.4	2485.0	2411.3	2308.0	2205.6	2117.9	1994.1
15°	3494.8	3466.9	3437.4	3413.7	3370.2	3286.6	3194.0	3064.5	2930.9	2815.3	2658.8
17.5°	4207.9	4174.3	4139.0	4111.1	4034.9	3975.9	3851.3	3744.0	3591.5	3453.8	3265.3
20°	4748.8	4730.8	4689.8	4651.3	4570.1	4493.1	4363.6	4241.5	4072.6	3898.0	3717.7
22.5°	5227.5	5200.4	5148.8	5090.6	4988.9	4887.3	4738.1	4602.1	4417.7	4231.6	4037.4
25°	5720.0	5707.7	5629.1	5535.6	5392.2	5248.8	5062.7	4894.7	4686.5	4490.6	4264.4
26°	5958.5	5902.8	5822.5	5713.5	5544.6	5370.9	5169.3	4984.8	4762.7	4548.0	4321.8
27°	6077.4	6033.9	5963.5	5852.8	5676.6	5471.7	5249.6	5051.2	4816.0	4593.9	4359.5
28°	6132.3	6095.4	6037.2	5934.8	5763.5	5533.2	5299.6	5089.8	4844.7	4615.2	4373.4
29°	6144.6	6115.9	6065.1	5970.8	5810.2	5575.0	5325.8	5107.0	4857.0	4622.6	4376.7
30°	6123.3	6106.9	6067.5	5977.4	5822.5	5587.3	5330.7	5107.0	4853.7	4615.2	4363.6
31°	6088.0	6078.2	6045.4	5961.0	5810.2	5571.7	5311.9	5087.3	4832.4	4591.4	4334.1
32°	6021.7	6030.7	6003.6	5920.8	5771.7	5531.5	5275.0	5052.9	4797.2	4553.7	4289.0
33°	5951.2	5973.3	5948.7	5859.4	5705.3	5466.8	5220.1	5003.7	4747.2	4501.3	4230.0
34°	5874.1	5899.5	5868.4	5767.6	5608.6	5378.3	5145.5	4935.7	4680.8	4434.1	4152.9
35°	5774.1	5795.4	5754.5	5647.9	5485.6	5267.6	5052.9	4848.0	4596.4	4345.6	4057.9
36°	5606.1	5657.7	5615.1	5505.3	5346.3	5147.1	4948.0	4748.8	4499.6	4248.0	3953.8
37°	5493.0	5502.8	5461.0	5349.6	5202.9	5025.8	4837.3	4643.1	4397.2	4139.0	3839.9
38°	5329.9	5334.0	5292.2	5188.1	5061.1	4898.8	4718.5	4529.1	4283.3	4021.0	3712.8
39°	5159.4	5158.6	5120.9	5031.6	4918.5	4763.6	4589.0	4402.9	4153.8	3884.9	3564.5
40°	4998.8	4996.3	4963.5	4881.6	4771.8	4621.8	4450.5	4263.6	4009.5	3734.1	3400.5
42.5°	4618.5	4602.1	4569.3	4489.0	4384.1	4235.7	4057.1	3855.4	3585.8	3275.1	2898.1
45°	4190.6	4155.4	4121.0	4028.4	3910.3	3751.3	3550.5	3321.9	3020.3	2680.1	2288.3
47.5°	3643.2	3595.6	3562.0	3456.3	3321.9	3143.2	2913.7	2664.5	2346.5	1981.8	1581.8
50°	2825.2	2719.5	2684.2	2517.8	2336.7	2105.6	1817.1	1528.6	1208.1	909.8	636.8
51°	2244.1	2126.1	2091.6	1921.2	1745.8	1532.7	1270.4	1026.1	777.0	573.7	426.2
52°	1640.0	1530.2	1499.1	1345.0	1197.4	1026.1	831.1	670.4	530.3	428.7	344.2
53°	1131.9	1060.6	1032.7	929.4	831.9	722.1	604.1	506.5	416.4	344.2	281.1
54°	835.2	786.8	764.7	690.1	619.6	542.6	461.4	395.1	332.8	279.5	227.0
55°	615.5	579.5	563.9	512.3	466.4	413.9	359.8	312.3	263.9	219.7	172.1
57.5°	278.7	260.6	254.1	231.9	213.9	198.3	161.5	135.2	109.8	88.5	68.8
60°	95.1	87.7	85.2	77.0	72.1	67.2	56.6	48.4	41.8	36.1	30.3
61°	60.7	56.6	54.9	50.8	48.4	45.9	39.3	34.4	30.3	27.0	22.9
62°	41.0	38.5	37.7	35.2	33.6	32.8	28.7	25.4	22.1	19.7	17.2
63°	28.7	27.0	27.0	25.4	24.6	23.8	20.5	18.9	16.4	14.8	13.1
64°	20.5	19.7	18.9	18.0	17.2	17.2	14.8	13.9	12.3	11.5	9.8
65°	14.8	13.9	13.9	13.1	13.1	12.3	11.5	9.8	9.0	8.2	7.4
66°	10.7	9.8	9.8	9.8	9.0	9.0	8.2	7.4	6.6	6.6	5.7



TEST NUMBER: P175597

CATALOG NUMBER: LDA6A30935D010TE 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°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	228.7	222.9	221.3	219.7	217.2	214.7	207.4	205.7	204.1	197.5	195.9
5°	454.1	431.1	416.4	400.8	384.4	365.5	335.2	321.3	306.5	281.1	268.8
7.5°	827.0	780.3	742.6	704.0	665.5	620.4	561.4	526.2	488.5	438.5	404.9
10°	1296.6	1210.6	1136.8	1065.5	996.6	918.0	840.9	763.9	698.3	620.4	557.3
12.5°	1887.6	1747.4	1626.1	1506.4	1388.4	1262.2	1139.3	1019.6	903.2	799.9	702.4
15°	2518.7	2337.5	2167.9	1997.4	1818.7	1629.4	1444.1	1271.2	1106.5	962.2	830.3
17.5°	3057.1	2851.4	2634.2	2421.9	2194.1	1940.0	1713.0	1490.0	1278.6	1092.5	922.9
20°	3493.2	3258.8	3001.4	2749.0	2470.3	2198.2	1926.1	1660.5	1392.5	1165.5	960.6
22.5°	3805.4	3556.3	3275.1	2988.3	2670.3	2356.4	2040.8	1728.6	1426.9	1169.6	941.7
25°	4015.3	3744.0	3439.1	3121.1	2766.2	2420.3	2066.2	1724.5	1395.0	1120.4	878.6
26°	4065.2	3787.4	3474.3	3144.0	2780.1	2425.2	2053.9	1701.5	1364.6	1084.3	840.1
27°	4097.2	3811.2	3489.9	3149.7	2779.3	2431.0	2026.1	1665.4	1322.0	1040.1	795.8
28°	4108.7	3816.9	3489.1	3138.3	2760.4	2374.4	1982.6	1613.8	1275.3	986.8	745.0
29°	4107.0	3809.5	3472.7	3110.4	2725.2	2326.9	1922.8	1549.9	1211.4	927.0	690.1
30°	4090.7	3784.9	3439.1	3063.7	2671.9	2260.5	1845.8	1472.8	1140.9	861.4	630.3
31°	4057.1	3743.1	3385.0	2994.8	2598.2	2176.1	1755.6	1386.0	1063.0	790.9	568.8
32°	4006.2	3683.3	3312.0	2909.6	2508.0	2077.7	1654.0	1279.4	980.2	718.8	515.5
33°	3940.7	3607.1	3224.3	2809.6	2406.4	1964.6	1541.7	1204.8	895.8	645.9	445.9
34°	3857.1	3514.5	3117.8	2694.0	2288.3	1839.2	1425.3	1090.9	810.6	572.1	393.4
35°	3757.1	3403.0	2996.5	2566.2	2157.2	1703.1	1319.6	989.3	723.7	498.3	334.4
36°	3644.8	3279.2	2860.4	2428.5	2013.8	1564.6	1199.1	887.6	637.7	426.2	281.9
37°	3521.9	3143.2	2716.2	2277.7	1859.7	1421.2	1078.6	787.6	553.2	357.3	240.1
38°	3383.3	2990.7	2556.4	2111.3	1694.9	1278.6	959.8	687.7	468.8	295.9	209.8
39°	3222.7	2817.0	2382.6	1927.7	1526.1	1135.2	842.6	589.3	389.3	246.7	186.9
40°	3044.0	2632.6	2192.4	1733.5	1355.6	995.8	727.8	494.2	318.0	213.1	167.2
42.5°	2519.5	2092.5	1650.7	1274.5	958.9	677.0	466.4	295.9	205.7	158.2	122.9
45°	1899.8	1499.9	1140.1	858.1	623.7	405.7	265.6	188.5	145.9	109.8	86.1
47.5°	1243.3	934.4	664.7	461.4	312.3	208.2	162.3	122.9	95.1	72.9	58.2
50°	468.8	345.9	268.8	214.7	169.7	128.7	101.6	77.9	59.8	45.9	36.9
51°	346.7	279.5	220.5	176.2	140.2	106.5	82.8	61.5	47.5	36.9	30.3
52°	284.4	229.5	181.1	144.3	113.9	82.8	63.9	48.4	38.5	30.3	24.6
53°	232.8	186.9	145.9	113.9	86.9	63.1	49.2	38.5	31.1	24.6	20.5
54°	185.2	145.1	109.0	83.6	64.7	47.5	38.5	30.3	24.6	20.5	17.2
55°	137.7	104.9	77.9	61.5	48.4	36.9	30.3	24.6	20.5	16.4	13.9
57.5°	56.6	45.1	36.9	30.3	25.4	20.5	17.2	14.8	12.3	9.8	8.2
60°	26.2	22.1	19.7	16.4	13.9	11.5	9.8	9.0	7.4	6.6	5.7
61°	20.5	17.2	14.8	13.1	11.5	9.0	8.2	7.4	6.6	5.7	4.9
62°	15.6	13.1	11.5	9.8	9.0	7.4	6.6	5.7	4.9	4.9	4.1
63°	11.5	9.8	9.0	8.2	7.4	6.6	5.7	4.9	4.9	4.1	4.1
64°	9.0	8.2	7.4	6.6	5.7	4.9	4.9	4.1	4.1	3.3	3.3
65°	6.6	6.6	5.7	4.9	4.9	4.1	4.1	4.1	3.3	3.3	3.3
66°	5.7	4.9	4.1	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3



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CATALOG NUMBER: LDA6A30935D010TE 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°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5
75°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5
82.5°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
85°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
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: LDA6A30935D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	191.8	191.0	185.2	182.8	179.5	175.4	172.1	169.7	165.6	162.3	159.0
5°	251.6	242.6	227.9	218.0	209.0	200.0	192.6	186.1	178.7	172.1	165.6
7.5°	363.1	332.8	295.9	268.0	245.1	224.6	209.8	197.5	186.1	176.2	164.7
10°	487.7	431.9	375.4	322.1	280.3	245.1	220.5	201.6	186.1	172.9	158.2
12.5°	602.4	520.5	437.7	366.4	304.9	256.5	222.9	199.2	181.1	164.7	147.5
15°	699.9	590.1	485.2	393.4	317.2	257.4	218.8	192.6	172.1	152.4	135.2
17.5°	761.4	622.1	498.3	392.6	309.0	244.2	205.7	180.3	157.4	137.7	121.3
20°	774.5	614.7	479.5	363.9	280.3	219.7	187.7	161.5	138.5	121.3	107.4
22.5°	741.7	572.9	429.5	314.7	240.1	194.2	167.2	141.8	122.9	109.0	97.5
25°	671.3	500.0	360.6	258.2	205.7	171.3	146.7	126.2	112.3	103.3	96.7
26°	634.4	463.9	329.5	237.7	194.2	163.1	140.2	122.1	110.6	104.1	99.2
27°	591.8	425.4	298.3	219.7	183.6	152.4	132.0	115.6	104.9	99.2	95.9
28°	545.0	384.4	268.8	203.3	170.5	139.3	120.5	104.9	94.3	87.7	82.0
29°	495.9	343.4	241.8	188.5	157.4	127.9	109.8	95.1	84.4	77.9	72.1
30°	444.2	304.1	218.8	175.4	144.3	117.2	100.8	86.9	77.0	70.5	64.7
31°	394.2	268.0	202.4	161.5	132.8	108.2	93.4	82.0	72.1	65.6	61.5
32°	344.2	237.7	186.9	148.3	122.1	101.6	86.9	77.0	68.8	63.1	59.8
33°	299.2	212.3	172.9	136.1	113.1	95.1	82.8	73.8	66.4	61.5	58.2
34°	259.0	195.1	157.4	123.8	104.1	87.7	76.2	68.0	60.7	56.6	52.5
35°	226.2	177.0	141.8	111.5	93.4	78.7	68.8	60.7	54.1	50.0	45.9
36°	200.8	159.0	126.2	99.2	83.6	71.3	61.5	54.1	48.4	44.3	41.0
37°	181.1	142.6	113.1	89.3	76.2	63.9	55.7	49.2	43.4	39.3	36.1
38°	163.1	127.0	101.6	81.1	68.8	58.2	50.0	45.1	39.3	35.2	32.0
39°	145.1	111.5	91.0	73.8	63.1	53.3	45.9	41.0	35.2	32.0	28.7
40°	128.7	100.0	82.0	66.4	57.4	47.5	41.8	36.9	32.0	28.7	25.4
42.5°	95.1	74.6	62.3	50.8	43.4	36.9	32.0	27.0	23.8	21.3	18.9
45°	68.0	54.1	45.1	36.9	31.1	26.2	22.1	19.7	17.2	15.6	13.9
47.5°	45.9	36.9	31.1	24.6	21.3	18.0	15.6	13.9	12.3	10.7	9.8
50°	29.5	23.8	20.5	16.4	13.9	12.3	10.7	9.0	8.2	7.4	7.4
51°	24.6	19.7	17.2	13.9	12.3	10.7	9.0	8.2	7.4	6.6	5.7
52°	20.5	16.4	13.9	11.5	9.8	9.0	7.4	6.6	5.7	5.7	5.7
53°	17.2	13.9	12.3	9.8	9.0	7.4	6.6	5.7	4.9	4.9	4.9
54°	13.9	11.5	9.8	8.2	7.4	6.6	5.7	4.9	4.9	4.1	4.1
55°	11.5	9.8	8.2	7.4	6.6	5.7	4.9	4.1	4.1	4.1	4.1
57.5°	7.4	6.6	5.7	4.9	4.1	4.1	3.3	3.3	3.3	3.3	3.3
60°	4.9	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
61°	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62°	4.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
63°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
64°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
66°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



TEST NUMBER: P175597

CATALOG NUMBER: LDA6A30935D010TE 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°	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
82.5°	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
85°	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
87.5°	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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: P175597

CATALOG NUMBER: LDA6A30935D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	154.9	152.4	148.3	145.9	122.9	110.6	99.2	98.4
5°	158.2	151.6	145.1	139.3	101.6	84.4	72.9	71.3
7.5°	154.9	145.1	136.1	129.5	85.2	66.4	56.6	54.9
10°	145.9	135.2	124.6	116.4	72.9	56.6	47.5	45.9
12.5°	134.4	122.9	112.3	103.3	63.1	50.8	43.4	41.8
15°	121.3	109.8	100.8	92.6	58.2	46.7	41.8	40.2
17.5°	109.0	98.4	90.2	82.8	54.1	45.1	42.6	43.4
20°	96.7	88.5	81.1	75.4	55.7	53.3	61.5	68.8
22.5°	89.3	83.6	79.5	75.4	86.1	132.8	300.0	355.7
25°	93.4	92.6	95.1	100.8	176.2	222.9	196.7	199.2
26°	98.4	100.0	104.1	109.8	150.8	140.2	128.7	137.7
27°	95.1	95.9	95.1	94.3	99.2	98.4	103.3	112.3
28°	79.5	77.9	76.2	73.8	75.4	83.6	95.1	102.5
29°	68.8	67.2	64.7	62.3	65.6	81.1	91.8	96.7
30°	62.3	59.8	57.4	55.7	65.6	80.3	87.7	90.2
31°	58.2	56.6	54.9	54.9	66.4	76.2	80.3	81.1
32°	58.2	56.6	55.7	55.7	61.5	68.0	70.5	71.3
33°	56.6	54.9	52.5	51.6	54.1	59.0	61.5	61.5
34°	50.0	48.4	46.7	44.3	46.7	50.8	53.3	52.5
35°	43.4	41.8	40.2	38.5	40.2	44.3	45.1	44.3
36°	37.7	36.1	34.4	32.8	34.4	37.7	38.5	37.7
37°	33.6	32.0	30.3	28.7	28.7	32.8	33.6	32.0
38°	30.3	27.9	26.2	25.4	25.4	28.7	28.7	27.0
39°	27.0	25.4	23.8	22.1	22.1	24.6	24.6	22.9
40°	23.8	22.1	20.5	19.7	19.7	21.3	21.3	19.7
42.5°	17.2	16.4	15.6	14.8	14.8	16.4	15.6	13.9
45°	13.1	12.3	11.5	11.5	11.5	12.3	10.7	9.8
47.5°	9.0	9.0	8.2	8.2	8.2	9.0	8.2	7.4
50°	6.6	6.6	5.7	5.7	6.6	6.6	5.7	4.1
51°	5.7	5.7	5.7	4.9	5.7	5.7	4.9	4.1
52°	4.9	4.9	4.9	4.9	4.9	4.9	4.1	3.3
53°	4.1	4.1	4.1	4.1	4.1	4.1	3.3	2.5
54°	4.1	4.1	4.1	4.1	4.1	4.1	2.5	2.5
55°	4.1	4.1	4.1	4.1	4.1	3.3	2.5	1.6
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.5	1.6
60°	3.3	3.3	3.3	3.3	3.3	3.3	1.6	0.8
61°	3.3	3.3	3.3	3.3	4.1	3.3	1.6	0.8
62°	3.3	3.3	3.3	3.3	4.1	3.3	1.6	0.8
63°	3.3	3.3	3.3	3.3	4.1	3.3	1.6	0.8
64°	3.3	3.3	3.3	4.1	4.1	3.3	1.6	0.8
65°	3.3	3.3	4.1	4.1	4.1	3.3	1.6	0.8
66°	3.3	4.1	4.1	4.1	4.1	3.3	1.6	0.8



TEST NUMBER: P175597

CATALOG NUMBER: LDA6A30935D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.3	4.1	4.1	4.1	4.1	3.3	2.5	1.6
75°	3.3	4.1	4.1	4.1	4.1	3.3	2.5	1.6
77.5°	4.1	4.1	4.1	4.1	4.1	3.3	2.5	1.6
80°	4.1	4.1	4.1	4.1	4.1	3.3	2.5	1.6
82.5°	4.1	4.1	4.1	4.1	4.1	3.3	2.5	1.6
85°	4.1	4.1	4.1	4.1	4.1	3.3	2.5	1.6
87.5°	4.1	4.1	4.1	4.1	4.1	3.3	1.6	0.8
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°	6.6	5.7	5.7	5.7	5.7	4.9	4.9	4.9	4.1	4.1	3.3
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.6





67.5°	3.3	3.3	3.3	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5





67.5°	2.5	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	2.5	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3





67.5°	3.3	4.1	4.1	4.1	4.1	3.3	1.6	1.6
70°	3.3	3.3	4.1	4.1	4.1	3.3	2.5	1.6



(END OF REPORT)