

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: P175594

Luminaire Tested: **LDA6A30840D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175594
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: LDA6A30840D010TE 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 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2552.8 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 2.79 / 0.61 / 1.41
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

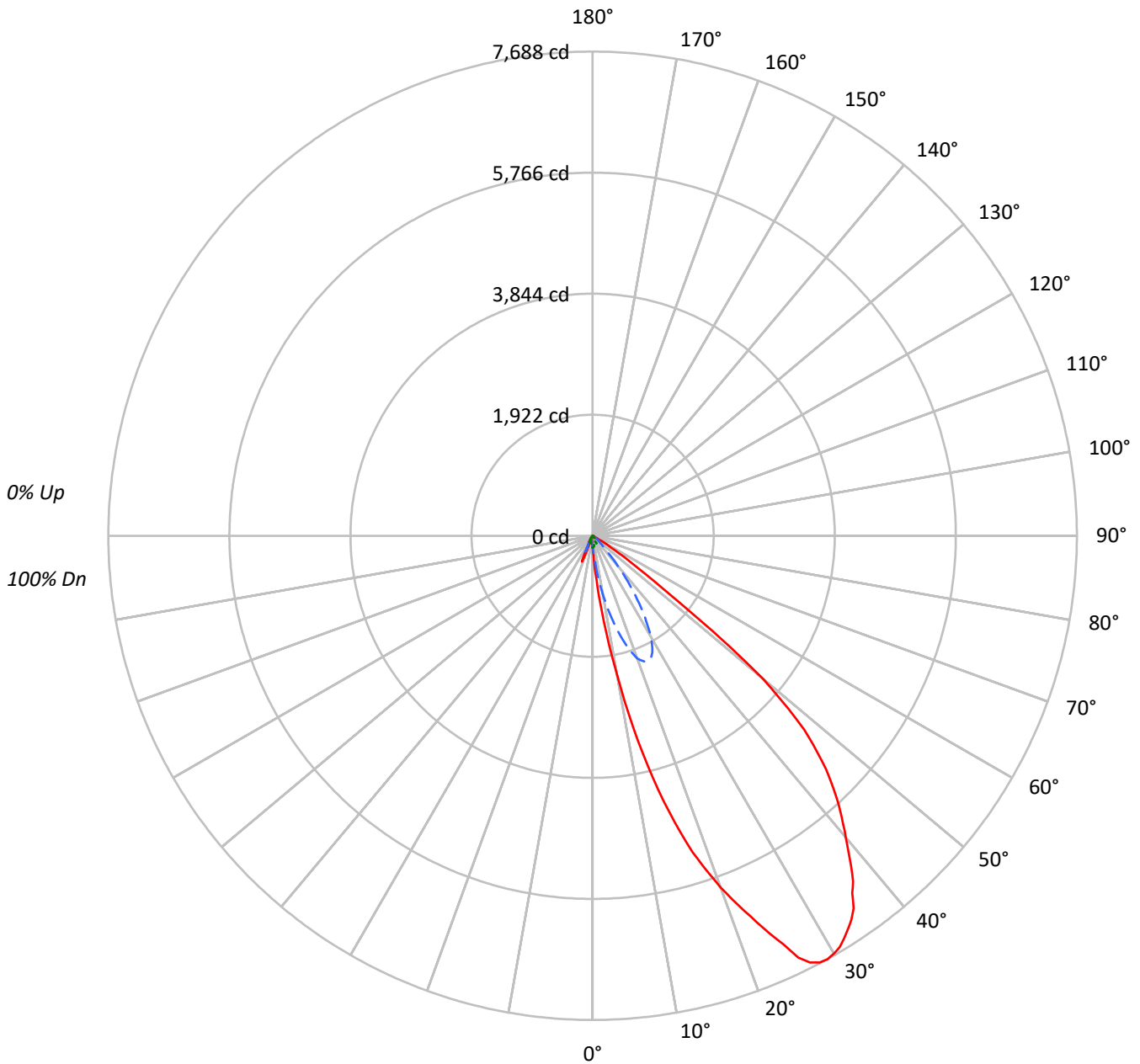
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10229	10229	10229
5°	38658	9592	4909
10°	125643	8105	3195
15°	248163	6578	2849
20°	346623	5501	5023
25°	432896	7627	15073
30°	484967	4412	7140
35°	483486	3226	3708
40°	447581	1760	1760
45°	406500	1116	954
50°	301466	614	435
55°	73603	487	201
60°	13047	450	110
65°	2400	662	130
70°	497	817	337
75°	0	1080	445
80°	0	1610	663
85°	0	3208	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.4
10°-20°	288.0	11.3
20°-30°	699.0	27.4
30°-40°	825.2	32.3
40°-50°	585.3	22.9
50°-60°	106.2	4.2
60°-70°	6.8	0.3
70°-80°	3.6	0.1
80°-90°	3.1	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°	1022.6	40.1
0°-40°	1847.8	72.4
0°-60°	2539.3	99.5
0°-90°	2552.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	187	187	187	187	187	
5°	702	402	174	106	89	117
15°	4373	1590	116	58	50	1264
25°	7157	2158	126	279	249	3293
35°	7224	1238	48	55	55	4450
45°	5243	236	14	15	12	3937
55°	770	31	5	4	2	1000
65°	18	5	5	4	1	30
75°	0	3	5	4	2	1
85°	0	3	5	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°	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6
2.5°	312.8	305.6	305.6	308.7	309.7	303.5	303.5	295.3	291.2	292.3	284.1
5°	702.5	716.8	688.1	692.2	689.1	669.6	661.4	633.7	615.3	606.1	576.3
7.5°	1372.1	1350.6	1307.5	1309.5	1298.3	1266.5	1239.8	1191.6	1150.6	1120.8	1066.5
10°	2257.1	2263.2	2194.5	2188.4	2161.7	2101.2	2041.7	1948.4	1864.3	1798.7	1698.2
12.5°	3340.0	3277.4	3252.8	3235.4	3192.3	3109.2	3016.9	2887.7	2759.6	2649.8	2495.0
15°	4372.6	4337.8	4300.8	4271.1	4216.8	4112.2	3996.3	3834.3	3667.1	3522.5	3326.6
17.5°	5264.8	5222.7	5178.6	5143.8	5048.4	4974.6	4818.7	4684.4	4493.6	4321.4	4085.5
20°	5941.6	5919.0	5867.8	5819.6	5718.0	5621.7	5459.6	5306.8	5095.6	4877.2	4651.6
22.5°	6540.5	6506.6	6442.0	6369.2	6242.1	6114.9	5928.3	5758.0	5527.3	5294.5	5051.5
25°	7156.8	7141.4	7043.0	6926.1	6746.6	6567.1	6334.4	6124.1	5863.7	5618.6	5335.5
26°	7455.2	7385.5	7285.0	7148.6	6937.3	6719.9	6467.7	6236.9	5959.0	5690.4	5407.3
27°	7603.9	7549.5	7461.4	7322.9	7102.4	6846.1	6568.2	6320.0	6025.7	5747.8	5454.5
28°	7672.6	7626.5	7553.7	7425.5	7211.1	6923.0	6630.7	6368.2	6061.6	5774.5	5471.9
29°	7688.0	7652.1	7588.5	7470.6	7269.6	6975.3	6663.5	6389.7	6077.0	5783.7	5476.0
30°	7661.3	7640.8	7591.6	7478.8	7285.0	6990.7	6669.7	6389.7	6072.9	5774.5	5459.6
31°	7617.2	7604.9	7563.9	7458.3	7269.6	6971.2	6646.1	6365.1	6046.2	5744.7	5422.7
32°	7534.2	7545.4	7511.6	7408.0	7221.4	6920.9	6600.0	6322.1	6002.1	5697.5	5366.3
33°	7446.0	7473.7	7442.9	7331.1	7138.3	6839.9	6531.3	6260.5	5939.6	5631.9	5292.5
34°	7349.6	7381.4	7342.4	7216.3	7017.3	6729.2	6437.9	6175.4	5856.5	5547.8	5196.1
35°	7224.5	7251.1	7199.9	7066.5	6863.5	6590.7	6322.1	6065.7	5750.9	5437.1	5077.1
36°	7014.3	7078.9	7025.5	6888.1	6689.2	6440.0	6190.8	5941.6	5629.9	5315.0	4946.9
37°	6872.7	6885.0	6832.7	6693.3	6509.7	6288.2	6052.4	5809.3	5501.7	5178.6	4804.4
38°	6668.7	6673.8	6621.5	6491.3	6332.3	6129.3	5903.7	5666.8	5359.1	5031.0	4645.4
39°	6455.4	6454.3	6407.2	6295.4	6153.9	5960.1	5741.6	5508.9	5197.1	4860.8	4459.8
40°	6254.4	6251.3	6210.3	6107.7	5970.3	5782.7	5568.3	5334.5	5016.6	4672.1	4254.7
42.5°	5778.6	5758.0	5717.0	5616.5	5485.3	5299.7	5076.1	4823.8	4486.5	4097.8	3626.1
45°	5243.3	5199.2	5156.1	5040.2	4892.5	4693.6	4442.4	4156.3	3778.9	3353.3	2863.1
47.5°	4558.2	4498.8	4456.7	4324.4	4156.3	3932.7	3645.6	3333.8	2935.9	2479.6	1979.2
50°	3534.8	3402.5	3358.4	3150.3	2923.6	2634.4	2273.5	1912.5	1511.6	1138.3	796.8
51°	2807.8	2660.1	2617.0	2403.7	2184.3	1917.6	1589.5	1283.9	972.2	717.8	533.2
52°	2052.0	1914.6	1875.6	1682.8	1498.2	1283.9	1039.8	838.8	663.5	536.3	430.7
53°	1416.2	1327.0	1292.1	1162.9	1040.9	903.4	755.8	633.7	520.9	430.7	351.7
54°	1045.0	984.5	956.8	863.5	775.3	678.9	577.3	494.3	416.3	349.7	284.1
55°	770.1	725.0	705.5	640.9	583.5	517.9	450.2	390.7	330.2	274.8	215.3
57.5°	348.7	326.1	317.9	290.2	267.6	248.2	202.0	169.2	137.4	110.8	86.1
60°	119.0	109.7	106.6	96.4	90.2	84.1	70.8	60.5	52.3	45.1	37.9
61°	75.9	70.8	68.7	63.6	60.5	57.4	49.2	43.1	37.9	33.8	28.7
62°	51.3	48.2	47.2	44.1	42.0	41.0	35.9	31.8	27.7	24.6	21.5
63°	35.9	33.8	33.8	31.8	30.8	29.7	25.6	23.6	20.5	18.5	16.4
64°	25.6	24.6	23.6	22.6	21.5	21.5	18.5	17.4	15.4	14.4	12.3
65°	18.5	17.4	17.4	16.4	16.4	15.4	14.4	12.3	11.3	10.3	9.2
66°	13.3	12.3	12.3	12.3	11.3	11.3	10.3	9.2	8.2	8.2	7.2



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CATALOG NUMBER: LDA6A30840D010TE 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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6
2.5°	286.1	278.9	276.9	274.8	271.8	268.7	259.4	257.4	255.3	247.1	245.1
5°	568.1	539.4	520.9	501.5	480.9	457.4	419.4	402.0	383.5	351.7	336.4
7.5°	1034.7	976.3	929.1	880.9	832.7	776.3	702.5	658.4	611.2	548.6	506.6
10°	1622.3	1514.6	1422.3	1333.1	1247.0	1148.5	1052.1	955.7	873.7	776.3	697.3
12.5°	2361.7	2186.3	2034.5	1884.8	1737.2	1579.2	1425.4	1275.7	1130.1	1000.9	878.8
15°	3151.3	2924.7	2712.4	2499.1	2275.5	2038.6	1806.9	1590.5	1384.4	1203.9	1038.8
17.5°	3825.0	3567.6	3295.9	3030.3	2745.2	2427.3	2143.2	1864.3	1599.7	1367.0	1154.7
20°	4370.6	4077.3	3755.3	3439.4	3090.8	2750.3	2409.9	2077.6	1742.3	1458.2	1201.9
22.5°	4761.3	4449.5	4097.8	3738.9	3341.0	2948.2	2553.4	2162.7	1785.4	1463.4	1178.3
25°	5023.8	4684.4	4302.9	3905.0	3461.0	3028.2	2585.2	2157.6	1745.4	1401.8	1099.3
26°	5086.4	4738.7	4347.0	3933.7	3478.4	3034.4	2569.8	2128.9	1707.4	1356.7	1051.1
27°	5126.4	4768.5	4366.5	3940.9	3477.4	3041.6	2535.0	2083.8	1654.1	1301.3	995.7
28°	5140.7	4775.6	4365.4	3926.5	3453.8	2970.8	2480.6	2019.2	1595.6	1234.7	932.2
29°	5138.7	4766.4	4344.9	3891.7	3409.7	2911.3	2405.8	1939.2	1515.7	1159.8	863.5
30°	5118.1	4735.6	4302.9	3833.2	3343.0	2828.3	2309.4	1842.8	1427.5	1077.8	788.6
31°	5076.1	4683.3	4235.2	3747.1	3250.8	2722.6	2196.6	1734.1	1330.0	989.6	711.7
32°	5012.5	4608.5	4143.9	3640.4	3138.0	2599.6	2069.4	1600.8	1226.5	899.3	645.0
33°	4930.5	4513.1	4034.2	3515.3	3010.8	2458.1	1928.9	1507.4	1120.8	808.1	557.9
34°	4825.9	4397.2	3900.9	3370.7	2863.1	2301.2	1783.3	1364.9	1014.2	715.8	492.2
35°	4700.8	4257.8	3749.1	3210.8	2699.1	2130.9	1651.0	1237.7	905.5	623.5	418.4
36°	4560.3	4102.9	3578.9	3038.5	2519.6	1957.6	1500.3	1110.6	797.8	533.2	352.8
37°	4406.5	3932.7	3398.4	2849.8	2326.8	1778.2	1349.5	985.5	692.2	447.1	300.5
38°	4233.2	3742.0	3198.5	2641.6	2120.7	1599.7	1200.8	860.4	586.6	370.2	262.5
39°	4032.2	3524.6	2981.1	2411.9	1909.4	1420.3	1054.2	737.3	487.1	308.7	233.8
40°	3808.6	3293.8	2743.1	2168.9	1696.1	1246.0	910.6	618.4	397.9	266.6	209.2
42.5°	3152.3	2618.0	2065.3	1594.6	1199.8	847.0	583.5	370.2	257.4	197.9	153.8
45°	2377.1	1876.6	1426.4	1073.7	780.4	507.6	332.3	235.9	182.5	137.4	107.7
47.5°	1555.6	1169.0	831.7	577.3	390.7	260.5	203.0	153.8	119.0	91.3	72.8
50°	586.6	432.8	336.4	268.7	212.3	161.0	127.2	97.4	74.9	57.4	46.1
51°	433.8	349.7	275.9	220.5	175.4	133.3	103.6	76.9	59.5	46.1	37.9
52°	355.8	287.1	226.6	180.5	142.5	103.6	80.0	60.5	48.2	37.9	30.8
53°	291.2	233.8	182.5	142.5	108.7	79.0	61.5	48.2	39.0	30.8	25.6
54°	231.8	181.5	136.4	104.6	81.0	59.5	48.2	37.9	30.8	25.6	21.5
55°	172.3	131.3	97.4	76.9	60.5	46.1	37.9	30.8	25.6	20.5	17.4
57.5°	70.8	56.4	46.1	37.9	31.8	25.6	21.5	18.5	15.4	12.3	10.3
60°	32.8	27.7	24.6	20.5	17.4	14.4	12.3	11.3	9.2	8.2	7.2
61°	25.6	21.5	18.5	16.4	14.4	11.3	10.3	9.2	8.2	7.2	6.2
62°	19.5	16.4	14.4	12.3	11.3	9.2	8.2	7.2	6.2	6.2	5.1
63°	14.4	12.3	11.3	10.3	9.2	8.2	7.2	6.2	6.2	5.1	5.1
64°	11.3	10.3	9.2	8.2	7.2	6.2	6.2	5.1	5.1	4.1	4.1
65°	8.2	8.2	7.2	6.2	6.2	5.1	5.1	5.1	4.1	4.1	4.1
66°	7.2	6.2	5.1	5.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1



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CATALOG NUMBER: LDA6A30840D010TE 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°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
75°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
82.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P175594

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6
2.5°	240.0	238.9	231.8	228.7	224.6	219.5	215.3	212.3	207.1	203.0	198.9
5°	314.8	303.5	285.1	272.8	261.5	250.2	241.0	232.8	223.6	215.3	207.1
7.5°	454.3	416.3	370.2	335.3	306.6	281.0	262.5	247.1	232.8	220.5	206.1
10°	610.2	540.4	469.7	403.0	350.7	306.6	275.9	252.3	232.8	216.4	197.9
12.5°	753.7	651.2	547.6	458.4	381.5	321.0	278.9	249.2	226.6	206.1	184.6
15°	875.8	738.3	607.1	492.2	396.9	322.0	273.8	241.0	215.3	190.7	169.2
17.5°	952.7	778.3	623.5	491.2	386.6	305.6	257.4	225.6	196.9	172.3	151.8
20°	969.1	769.1	599.9	455.3	350.7	274.8	234.8	202.0	173.3	151.8	134.3
22.5°	928.1	716.8	537.3	393.8	300.5	243.0	209.2	177.4	153.8	136.4	122.0
25°	839.9	625.5	451.2	323.0	257.4	214.3	183.6	157.9	140.5	129.2	121.0
26°	793.7	580.4	412.2	297.4	243.0	204.1	175.4	152.8	138.4	130.2	124.1
27°	740.4	532.2	373.3	274.8	229.7	190.7	165.1	144.6	131.3	124.1	120.0
28°	681.9	480.9	336.4	254.3	213.3	174.3	150.7	131.3	117.9	109.7	102.5
29°	620.4	429.7	302.5	235.9	196.9	160.0	137.4	119.0	105.6	97.4	90.2
30°	555.8	380.5	273.8	219.5	180.5	146.6	126.1	108.7	96.4	88.2	81.0
31°	493.3	335.3	253.3	202.0	166.1	135.4	116.9	102.5	90.2	82.0	76.9
32°	430.7	297.4	233.8	185.6	152.8	127.2	108.7	96.4	86.1	79.0	74.9
33°	374.3	265.6	216.4	170.2	141.5	119.0	103.6	92.3	83.1	76.9	72.8
34°	324.1	244.1	196.9	154.8	130.2	109.7	95.4	85.1	75.9	70.8	65.6
35°	283.0	221.5	177.4	139.5	116.9	98.4	86.1	75.9	67.7	62.6	57.4
36°	251.2	198.9	157.9	124.1	104.6	89.2	76.9	67.7	60.5	55.4	51.3
37°	226.6	178.4	141.5	111.8	95.4	80.0	69.7	61.5	54.4	49.2	45.1
38°	204.1	158.9	127.2	101.5	86.1	72.8	62.6	56.4	49.2	44.1	40.0
39°	181.5	139.5	113.8	92.3	79.0	66.7	57.4	51.3	44.1	40.0	35.9
40°	161.0	125.1	102.5	83.1	71.8	59.5	52.3	46.1	40.0	35.9	31.8
42.5°	119.0	93.3	77.9	63.6	54.4	46.1	40.0	33.8	29.7	26.7	23.6
45°	85.1	67.7	56.4	46.1	39.0	32.8	27.7	24.6	21.5	19.5	17.4
47.5°	57.4	46.1	39.0	30.8	26.7	22.6	19.5	17.4	15.4	13.3	12.3
50°	36.9	29.7	25.6	20.5	17.4	15.4	13.3	11.3	10.3	9.2	9.2
51°	30.8	24.6	21.5	17.4	15.4	13.3	11.3	10.3	9.2	8.2	7.2
52°	25.6	20.5	17.4	14.4	12.3	11.3	9.2	8.2	7.2	7.2	7.2
53°	21.5	17.4	15.4	12.3	11.3	9.2	8.2	7.2	6.2	6.2	6.2
54°	17.4	14.4	12.3	10.3	9.2	8.2	7.2	6.2	6.2	5.1	5.1
55°	14.4	12.3	10.3	9.2	8.2	7.2	6.2	5.1	5.1	5.1	5.1
57.5°	9.2	8.2	7.2	6.2	5.1	5.1	4.1	4.1	4.1	4.1	4.1
60°	6.2	5.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
61°	5.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
62°	5.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
63°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
64°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
66°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



TEST NUMBER: P175594

CATALOG NUMBER: LDA6A30840D010TE 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°	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.1
82.5°	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.1
85°	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.1
87.5°	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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: P175594

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	186.6	186.6	186.6	186.6	186.6	186.6	186.6	186.6
2.5°	193.8	190.7	185.6	182.5	153.8	138.4	124.1	123.1
5°	197.9	189.7	181.5	174.3	127.2	105.6	91.3	89.2
7.5°	193.8	181.5	170.2	162.0	106.6	83.1	70.8	68.7
10°	182.5	169.2	155.9	145.6	91.3	70.8	59.5	57.4
12.5°	168.2	153.8	140.5	129.2	79.0	63.6	54.4	52.3
15°	151.8	137.4	126.1	115.9	72.8	58.5	52.3	50.2
17.5°	136.4	123.1	112.8	103.6	67.7	56.4	53.3	54.4
20°	121.0	110.8	101.5	94.3	69.7	66.7	76.9	86.1
22.5°	111.8	104.6	99.5	94.3	107.7	166.1	375.3	445.1
25°	116.9	115.9	119.0	126.1	220.5	278.9	246.1	249.2
26°	123.1	125.1	130.2	137.4	188.7	175.4	161.0	172.3
27°	119.0	120.0	119.0	117.9	124.1	123.1	129.2	140.5
28°	99.5	97.4	95.4	92.3	94.3	104.6	119.0	128.2
29°	86.1	84.1	81.0	77.9	82.0	101.5	114.9	121.0
30°	77.9	74.9	71.8	69.7	82.0	100.5	109.7	112.8
31°	72.8	70.8	68.7	68.7	83.1	95.4	100.5	101.5
32°	72.8	70.8	69.7	69.7	76.9	85.1	88.2	89.2
33°	70.8	68.7	65.6	64.6	67.7	73.8	76.9	76.9
34°	62.6	60.5	58.5	55.4	58.5	63.6	66.7	65.6
35°	54.4	52.3	50.2	48.2	50.2	55.4	56.4	55.4
36°	47.2	45.1	43.1	41.0	43.1	47.2	48.2	47.2
37°	42.0	40.0	37.9	35.9	35.9	41.0	42.0	40.0
38°	37.9	34.9	32.8	31.8	31.8	35.9	35.9	33.8
39°	33.8	31.8	29.7	27.7	27.7	30.8	30.8	28.7
40°	29.7	27.7	25.6	24.6	24.6	26.7	26.7	24.6
42.5°	21.5	20.5	19.5	18.5	18.5	20.5	19.5	17.4
45°	16.4	15.4	14.4	14.4	14.4	15.4	13.3	12.3
47.5°	11.3	11.3	10.3	10.3	10.3	11.3	10.3	9.2
50°	8.2	8.2	7.2	7.2	8.2	8.2	7.2	5.1
51°	7.2	7.2	7.2	6.2	7.2	7.2	6.2	5.1
52°	6.2	6.2	6.2	6.2	6.2	6.2	5.1	4.1
53°	5.1	5.1	5.1	5.1	5.1	5.1	4.1	3.1
54°	5.1	5.1	5.1	5.1	5.1	5.1	3.1	3.1
55°	5.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
57.5°	4.1	4.1	4.1	4.1	4.1	4.1	3.1	2.1
60°	4.1	4.1	4.1	4.1	4.1	4.1	2.1	1.0
61°	4.1	4.1	4.1	4.1	5.1	4.1	2.1	1.0
62°	4.1	4.1	4.1	4.1	5.1	4.1	2.1	1.0
63°	4.1	4.1	4.1	4.1	5.1	4.1	2.1	1.0
64°	4.1	4.1	4.1	5.1	5.1	4.1	2.1	1.0
65°	4.1	4.1	5.1	5.1	5.1	4.1	2.1	1.0
66°	4.1	5.1	5.1	5.1	5.1	4.1	2.1	1.0



TEST NUMBER: P175594

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	4.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
75°	4.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
77.5°	5.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
80°	5.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
82.5°	5.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
85°	5.1	5.1	5.1	5.1	5.1	4.1	3.1	2.1
87.5°	5.1	5.1	5.1	5.1	5.1	4.1	2.1	1.0
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°	8.2	7.2	7.2	7.2	7.2	6.2	6.2	6.2	5.1	5.1	4.1
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1





67.5°	4.1	4.1	4.1	4.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1





67.5°	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1





67.5°	4.1	5.1	5.1	5.1	5.1	4.1	2.1	2.1
70°	4.1	4.1	5.1	5.1	5.1	4.1	3.1	2.1



(END OF REPORT)