

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: P175592

Luminaire Tested: **LDA6A30830D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175592
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: LDA6A30830D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2367.6 lumens
Efficiency: N/A
Efficacy: 53.2 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

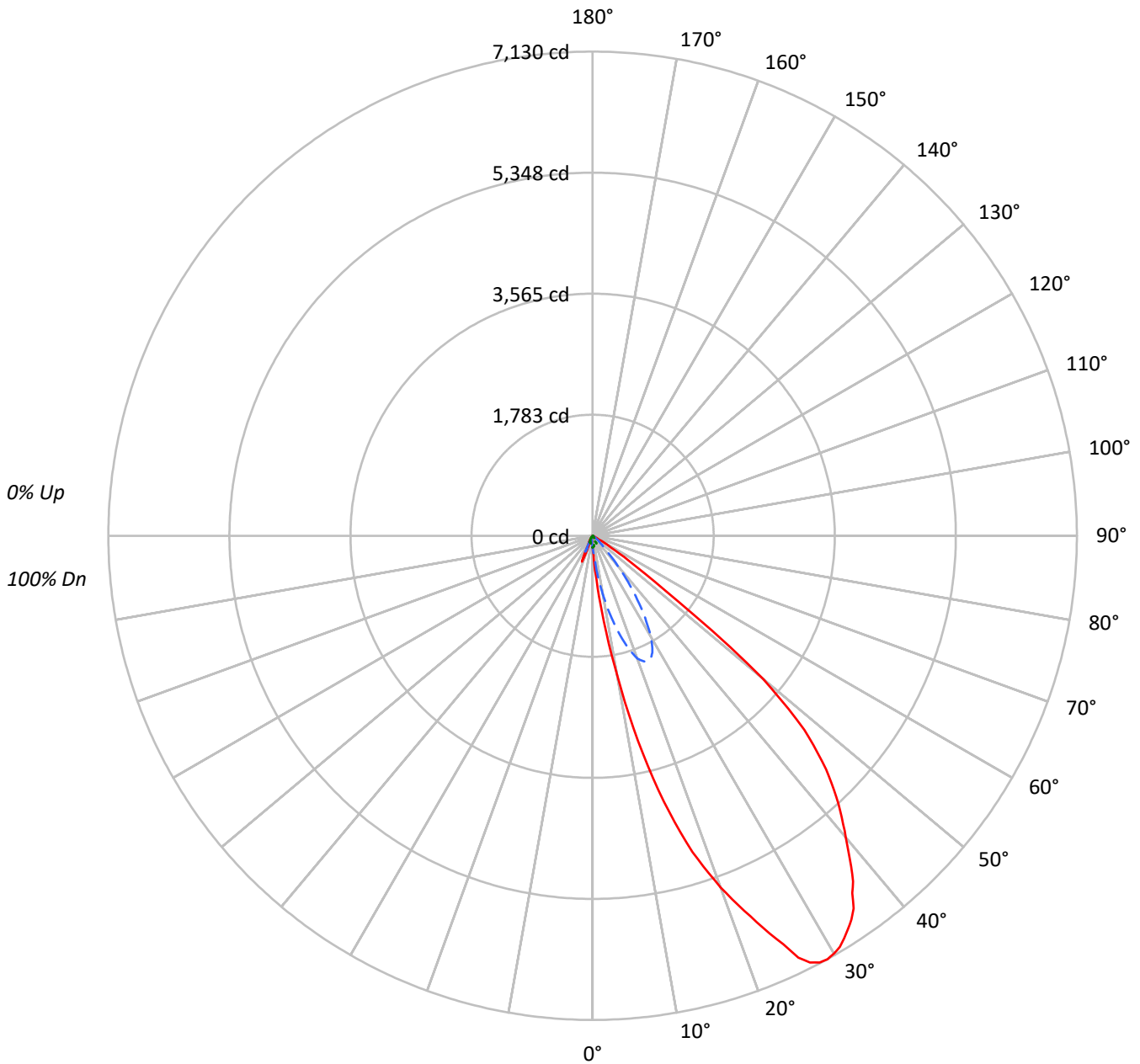
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9489	9489	9489
5°	35852	8898	4551
10°	116525	7515	2967
15°	230155	6101	2645
20°	321468	5105	4661
25°	401479	7077	13979
30°	449772	4096	6621
35°	448398	2991	3440
40°	415099	1632	1632
45°	376993	1031	884
50°	279590	571	409
55°	68260	459	182
60°	12093	417	110
65°	2218	623	130
70°	465	769	305
75°	0	1017	402
80°	0	1515	600
85°	0	3019	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.4
10°-20°	267.1	11.3
20°-30°	648.3	27.4
30°-40°	765.3	32.3
40°-50°	542.8	22.9
50°-60°	98.5	4.2
60°-70°	6.3	0.3
70°-80°	3.3	0.1
80°-90°	2.9	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°	948.4	40.1
0°-40°	1713.7	72.4
0°-60°	2355.0	99.5
0°-90°	2367.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	173	173	173	173	173	
5°	652	373	162	98	83	109
15°	4055	1475	108	54	47	1173
25°	6637	2001	117	259	231	3054
35°	6700	1148	45	51	51	4127
45°	4863	219	13	14	11	3651
55°	714	28	5	4	2	927
65°	17	5	5	4	1	27
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°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	290.1	283.4	283.4	286.3	287.2	281.5	281.5	273.9	270.1	271.1	263.4
5°	651.5	664.8	638.2	642.0	639.1	621.0	613.4	587.8	570.6	562.1	534.5
7.5°	1272.5	1252.5	1212.6	1214.5	1204.0	1174.6	1149.8	1105.1	1067.1	1039.5	989.1
10°	2093.3	2099.0	2035.3	2029.5	2004.8	1948.7	1893.5	1807.0	1729.0	1668.1	1574.9
12.5°	3097.6	3039.6	3016.7	3000.6	2960.6	2883.6	2798.0	2678.2	2559.3	2457.5	2313.9
15°	4055.3	4023.0	3988.7	3961.1	3910.7	3813.7	3706.3	3556.0	3401.0	3266.9	3085.2
17.5°	4882.7	4843.7	4802.8	4770.5	4682.0	4613.6	4469.0	4344.4	4167.5	4007.7	3789.0
20°	5510.4	5489.5	5441.9	5397.2	5303.1	5213.7	5063.4	4921.7	4725.8	4523.2	4314.0
22.5°	6065.8	6034.4	5974.5	5907.0	5789.1	5671.1	5498.0	5340.2	5126.2	4910.3	4684.9
25°	6637.4	6623.1	6531.8	6423.4	6257.0	6090.5	5874.7	5679.7	5438.1	5210.8	4948.3
26°	6914.2	6849.5	6756.3	6629.8	6433.9	6232.3	5998.3	5784.3	5526.6	5277.4	5014.9
27°	7052.1	7001.7	6919.9	6791.5	6587.0	6349.2	6091.5	5861.3	5588.4	5330.7	5058.7
28°	7115.8	7073.0	7005.5	6886.6	6687.8	6420.6	6149.5	5906.0	5621.7	5355.4	5074.8
29°	7130.0	7096.8	7037.8	6928.4	6742.0	6469.1	6179.9	5926.0	5635.9	5363.9	5078.6
30°	7105.3	7086.3	7040.6	6936.0	6756.3	6483.3	6185.6	5926.0	5632.1	5355.4	5063.4
31°	7064.4	7053.0	7015.0	6917.0	6742.0	6465.3	6163.8	5903.2	5607.4	5327.8	5029.2
32°	6987.4	6997.8	6966.5	6870.4	6697.3	6418.7	6121.0	5863.2	5566.5	5284.1	4976.9
33°	6905.6	6931.3	6902.7	6799.1	6620.3	6343.5	6057.3	5806.2	5508.5	5223.2	4908.4
34°	6816.2	6845.7	6809.5	6692.6	6508.1	6240.8	5970.7	5727.2	5431.5	5145.2	4819.0
35°	6700.2	6724.9	6677.3	6553.7	6365.4	6112.4	5863.2	5625.5	5333.5	5042.5	4708.7
36°	6505.2	6565.1	6515.7	6388.2	6203.7	5972.6	5741.5	5510.4	5221.3	4929.3	4587.9
37°	6374.0	6385.4	6336.9	6207.5	6037.3	5831.9	5613.1	5387.7	5102.4	4802.8	4455.7
38°	6184.7	6189.5	6141.0	6020.2	5872.8	5684.4	5475.2	5255.5	4970.2	4665.9	4308.3
39°	5986.9	5985.9	5942.2	5838.5	5707.3	5527.5	5324.9	5109.1	4819.9	4508.0	4136.1
40°	5800.5	5797.6	5759.6	5664.5	5537.0	5363.0	5164.2	4947.4	4652.6	4333.0	3945.9
42.5°	5359.2	5340.2	5302.1	5208.9	5087.2	4915.0	4707.7	4473.8	4160.9	3800.4	3362.9
45°	4862.7	4821.8	4781.9	4674.4	4537.5	4353.0	4120.0	3854.6	3504.6	3109.9	2655.3
47.5°	4227.4	4172.3	4133.3	4010.6	3854.6	3647.3	3381.0	3091.9	2722.9	2299.6	1835.5
50°	3278.3	3155.6	3114.7	2921.6	2711.5	2443.3	2108.5	1773.7	1401.9	1055.7	739.0
51°	2604.0	2467.0	2427.1	2229.3	2025.7	1778.5	1474.1	1190.7	901.6	665.7	494.5
52°	1903.1	1775.6	1739.5	1560.7	1389.5	1190.7	964.4	778.0	615.3	497.4	399.4
53°	1313.4	1230.7	1198.3	1078.5	965.3	837.9	700.9	587.8	483.1	399.4	326.2
54°	969.1	913.0	887.3	800.8	719.0	629.6	535.4	458.4	386.1	324.3	263.4
55°	714.2	672.4	654.3	594.4	541.1	480.3	417.5	362.4	306.2	254.9	199.7
57.5°	323.4	302.4	294.8	269.1	248.2	230.2	187.4	156.9	127.4	102.7	79.9
60°	110.3	101.8	98.9	89.4	83.7	78.0	65.6	56.1	48.5	41.8	35.2
61°	70.4	65.6	63.7	59.0	56.1	53.3	45.7	39.9	35.2	31.4	26.6
62°	47.6	44.7	43.7	40.9	39.0	38.0	33.3	29.5	25.7	22.8	20.0
63°	33.3	31.4	31.4	29.5	28.5	27.6	23.8	21.9	19.0	17.1	15.2
64°	23.8	22.8	21.9	20.9	20.0	20.0	17.1	16.2	14.3	13.3	11.4
65°	17.1	16.2	16.2	15.2	15.2	14.3	13.3	11.4	10.5	9.5	8.6
66°	12.4	11.4	11.4	11.4	10.5	10.5	9.5	8.6	7.6	7.6	6.7



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CATALOG NUMBER: LDA6A30830D010TE 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°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	265.3	258.7	256.8	254.9	252.0	249.2	240.6	238.7	236.8	229.2	227.3
5°	526.9	500.3	483.1	465.1	446.0	424.2	389.0	372.8	355.7	326.2	311.9
7.5°	959.6	905.4	861.7	817.0	772.3	719.9	651.5	610.6	566.8	508.8	469.8
10°	1504.6	1404.7	1319.1	1236.4	1156.5	1065.2	975.8	886.4	810.3	719.9	646.7
12.5°	2190.3	2027.6	1886.9	1748.0	1611.1	1464.6	1322.0	1183.1	1048.1	928.2	815.1
15°	2922.6	2712.4	2515.5	2317.7	2110.4	1890.7	1675.8	1475.1	1283.9	1116.5	963.4
17.5°	3547.4	3308.7	3056.7	2810.4	2546.0	2251.1	1987.7	1729.0	1483.6	1267.8	1070.9
20°	4053.4	3781.4	3482.8	3189.8	2866.5	2550.7	2235.0	1926.8	1615.8	1352.4	1114.6
22.5°	4415.7	4126.6	3800.4	3467.5	3098.5	2734.3	2368.1	2005.8	1655.8	1357.2	1092.8
25°	4659.2	4344.4	3990.6	3621.6	3209.8	2808.5	2397.6	2001.0	1618.7	1300.1	1019.5
26°	4717.2	4394.8	4031.5	3648.2	3226.0	2814.2	2383.3	1974.4	1583.5	1258.2	974.8
27°	4754.3	4422.4	4049.6	3654.9	3225.0	2820.8	2351.0	1932.5	1534.0	1206.9	923.5
28°	4767.6	4429.1	4048.6	3641.6	3203.1	2755.2	2300.6	1872.6	1479.8	1145.1	864.5
29°	4765.7	4420.5	4029.6	3609.2	3162.3	2700.0	2231.2	1798.4	1405.7	1075.6	800.8
30°	4746.7	4392.0	3990.6	3555.0	3100.4	2623.0	2141.8	1709.0	1323.9	999.6	731.4
31°	4707.7	4343.5	3927.8	3475.1	3014.8	2525.0	2037.2	1608.2	1233.5	917.8	660.0
32°	4648.7	4274.0	3843.2	3376.2	2910.2	2410.9	1919.2	1484.6	1137.5	834.1	598.2
33°	4572.7	4185.6	3741.4	3260.2	2792.3	2279.7	1788.9	1398.0	1039.5	749.4	517.4
34°	4475.7	4078.1	3617.8	3126.1	2655.3	2134.2	1653.9	1265.9	940.6	663.8	456.5
35°	4359.6	3948.8	3477.1	2977.7	2503.2	1976.3	1531.2	1147.9	839.8	578.2	388.0
36°	4229.3	3805.2	3319.2	2818.0	2336.7	1815.6	1391.4	1030.0	739.9	494.5	327.2
37°	4086.7	3647.3	3151.8	2643.0	2157.9	1649.1	1251.6	914.0	642.0	414.7	278.7
38°	3925.9	3470.4	2966.3	2449.9	1966.8	1483.6	1113.7	797.9	544.0	343.3	243.5
39°	3739.5	3268.8	2764.7	2236.9	1770.9	1317.2	977.7	683.8	451.8	286.3	216.8
40°	3532.2	3054.8	2544.1	2011.5	1573.0	1155.5	844.5	573.5	369.0	247.3	194.0
42.5°	2923.5	2428.0	1915.4	1478.9	1112.7	785.6	541.1	343.3	238.7	183.6	142.7
45°	2204.5	1740.4	1322.9	995.8	723.8	470.8	308.1	218.7	169.3	127.4	99.9
47.5°	1442.7	1084.2	771.3	535.4	362.4	241.6	188.3	142.7	110.3	84.6	67.5
50°	544.0	401.3	311.9	249.2	196.9	149.3	117.9	90.4	69.4	53.3	42.8
51°	402.3	324.3	255.8	204.5	162.6	123.6	96.1	71.3	55.2	42.8	35.2
52°	330.0	266.3	210.2	167.4	132.2	96.1	74.2	56.1	44.7	35.2	28.5
53°	270.1	216.8	169.3	132.2	100.8	73.2	57.1	44.7	36.1	28.5	23.8
54°	214.9	168.3	126.5	97.0	75.1	55.2	44.7	35.2	28.5	23.8	20.0
55°	159.8	121.7	90.4	71.3	56.1	42.8	35.2	28.5	23.8	19.0	16.2
57.5°	65.6	52.3	42.8	35.2	29.5	23.8	20.0	17.1	14.3	11.4	9.5
60°	30.4	25.7	22.8	19.0	16.2	13.3	11.4	10.5	8.6	7.6	6.7
61°	23.8	20.0	17.1	15.2	13.3	10.5	9.5	8.6	7.6	6.7	5.7
62°	18.1	15.2	13.3	11.4	10.5	8.6	7.6	6.7	5.7	5.7	4.8
63°	13.3	11.4	10.5	9.5	8.6	7.6	6.7	5.7	5.7	4.8	4.8
64°	10.5	9.5	8.6	7.6	6.7	5.7	5.7	4.8	4.8	3.8	3.8
65°	7.6	7.6	6.7	5.7	5.7	4.8	4.8	4.8	3.8	3.8	3.8
66°	6.7	5.7	4.8	4.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8



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CATALOG NUMBER: LDA6A30830D010TE 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°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P175592

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	222.5	221.6	214.9	212.1	208.3	203.5	199.7	196.9	192.1	188.3	184.5
5°	292.0	281.5	264.4	253.0	242.5	232.1	223.5	215.9	207.3	199.7	192.1
7.5°	421.3	386.1	343.3	311.0	284.4	260.6	243.5	229.2	215.9	204.5	191.2
10°	565.9	501.2	435.6	373.8	325.3	284.4	255.8	234.0	215.9	200.7	183.6
12.5°	699.0	603.9	507.9	425.1	353.8	297.7	258.7	231.1	210.2	191.2	171.2
15°	812.2	684.8	563.0	456.5	368.1	298.6	253.9	223.5	199.7	176.9	156.9
17.5°	883.5	721.8	578.2	455.6	358.5	283.4	238.7	209.2	182.6	159.8	140.8
20°	898.7	713.3	556.4	422.3	325.3	254.9	217.8	187.4	160.7	140.8	124.6
22.5°	860.7	664.8	498.4	365.2	278.7	225.4	194.0	164.5	142.7	126.5	113.2
25°	778.9	580.1	418.5	299.6	238.7	198.8	170.2	146.5	130.3	119.8	112.2
26°	736.1	538.3	382.3	275.8	225.4	189.3	162.6	141.7	128.4	120.8	115.1
27°	686.7	493.6	346.2	254.9	213.0	176.9	153.1	134.1	121.7	115.1	111.3
28°	632.5	446.0	311.9	235.9	197.8	161.7	139.8	121.7	109.4	101.8	95.1
29°	575.4	398.5	280.6	218.7	182.6	148.4	127.4	110.3	98.0	90.4	83.7
30°	515.5	352.8	253.9	203.5	167.4	136.0	117.0	100.8	89.4	81.8	75.1
31°	457.5	311.0	234.9	187.4	154.1	125.5	108.4	95.1	83.7	76.1	71.3
32°	399.4	275.8	216.8	172.1	141.7	117.9	100.8	89.4	79.9	73.2	69.4
33°	347.1	246.3	200.7	157.9	131.2	110.3	96.1	85.6	77.0	71.3	67.5
34°	300.5	226.4	182.6	143.6	120.8	101.8	88.4	78.9	70.4	65.6	60.9
35°	262.5	205.4	164.5	129.3	108.4	91.3	79.9	70.4	62.8	58.0	53.3
36°	233.0	184.5	146.5	115.1	97.0	82.7	71.3	62.8	56.1	51.4	47.6
37°	210.2	165.5	131.2	103.7	88.4	74.2	64.7	57.1	50.4	45.7	41.8
38°	189.3	147.4	117.9	94.2	79.9	67.5	58.0	52.3	45.7	40.9	37.1
39°	168.3	129.3	105.6	85.6	73.2	61.8	53.3	47.6	40.9	37.1	33.3
40°	149.3	116.0	95.1	77.0	66.6	55.2	48.5	42.8	37.1	33.3	29.5
42.5°	110.3	86.5	72.3	59.0	50.4	42.8	37.1	31.4	27.6	24.7	21.9
45°	78.9	62.8	52.3	42.8	36.1	30.4	25.7	22.8	20.0	18.1	16.2
47.5°	53.3	42.8	36.1	28.5	24.7	20.9	18.1	16.2	14.3	12.4	11.4
50°	34.2	27.6	23.8	19.0	16.2	14.3	12.4	10.5	9.5	8.6	8.6
51°	28.5	22.8	20.0	16.2	14.3	12.4	10.5	9.5	8.6	7.6	6.7
52°	23.8	19.0	16.2	13.3	11.4	10.5	8.6	7.6	6.7	6.7	6.7
53°	20.0	16.2	14.3	11.4	10.5	8.6	7.6	6.7	5.7	5.7	5.7
54°	16.2	13.3	11.4	9.5	8.6	7.6	6.7	5.7	5.7	4.8	4.8
55°	13.3	11.4	9.5	8.6	7.6	6.7	5.7	4.8	4.8	4.8	4.8
57.5°	8.6	7.6	6.7	5.7	4.8	4.8	3.8	3.8	3.8	3.8	3.8
60°	5.7	4.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
61°	4.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62°	4.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
63°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
64°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
66°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8



TEST NUMBER: P175592

CATALOG NUMBER: LDA6A30830D010TE 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°	2.9	2.9	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	2.9	2.9	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	2.9	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.8
82.5°	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.8
85°	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.8
87.5°	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P175592

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	179.7	176.9	172.1	169.3	142.7	128.4	115.1	114.1
5°	183.6	175.9	168.3	161.7	117.9	98.0	84.6	82.7
7.5°	179.7	168.3	157.9	150.3	98.9	77.0	65.6	63.7
10°	169.3	156.9	144.6	135.0	84.6	65.6	55.2	53.3
12.5°	156.0	142.7	130.3	119.8	73.2	59.0	50.4	48.5
15°	140.8	127.4	117.0	107.5	67.5	54.2	48.5	46.6
17.5°	126.5	114.1	104.6	96.1	62.8	52.3	49.5	50.4
20°	112.2	102.7	94.2	87.5	64.7	61.8	71.3	79.9
22.5°	103.7	97.0	92.3	87.5	99.9	154.1	348.1	412.8
25°	108.4	107.5	110.3	117.0	204.5	258.7	228.3	231.1
26°	114.1	116.0	120.8	127.4	175.0	162.6	149.3	159.8
27°	110.3	111.3	110.3	109.4	115.1	114.1	119.8	130.3
28°	92.3	90.4	88.4	85.6	87.5	97.0	110.3	118.9
29°	79.9	78.0	75.1	72.3	76.1	94.2	106.5	112.2
30°	72.3	69.4	66.6	64.7	76.1	93.2	101.8	104.6
31°	67.5	65.6	63.7	63.7	77.0	88.4	93.2	94.2
32°	67.5	65.6	64.7	64.7	71.3	78.9	81.8	82.7
33°	65.6	63.7	60.9	59.9	62.8	68.5	71.3	71.3
34°	58.0	56.1	54.2	51.4	54.2	59.0	61.8	60.9
35°	50.4	48.5	46.6	44.7	46.6	51.4	52.3	51.4
36°	43.7	41.8	39.9	38.0	39.9	43.7	44.7	43.7
37°	39.0	37.1	35.2	33.3	33.3	38.0	39.0	37.1
38°	35.2	32.3	30.4	29.5	29.5	33.3	33.3	31.4
39°	31.4	29.5	27.6	25.7	25.7	28.5	28.5	26.6
40°	27.6	25.7	23.8	22.8	22.8	24.7	24.7	22.8
42.5°	20.0	19.0	18.1	17.1	17.1	19.0	18.1	16.2
45°	15.2	14.3	13.3	13.3	13.3	14.3	12.4	11.4
47.5°	10.5	10.5	9.5	9.5	9.5	10.5	9.5	8.6
50°	7.6	7.6	6.7	6.7	7.6	7.6	6.7	4.8
51°	6.7	6.7	6.7	5.7	6.7	6.7	5.7	4.8
52°	5.7	5.7	5.7	5.7	5.7	5.7	4.8	3.8
53°	4.8	4.8	4.8	4.8	4.8	4.8	3.8	2.9
54°	4.8	4.8	4.8	4.8	4.8	4.8	2.9	2.9
55°	4.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
57.5°	3.8	3.8	3.8	3.8	3.8	3.8	2.9	1.9
60°	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.0
61°	3.8	3.8	3.8	3.8	4.8	3.8	1.9	1.0
62°	3.8	3.8	3.8	3.8	4.8	3.8	1.9	1.0
63°	3.8	3.8	3.8	3.8	4.8	3.8	1.9	1.0
64°	3.8	3.8	3.8	4.8	4.8	3.8	1.9	1.0
65°	3.8	3.8	4.8	4.8	4.8	3.8	1.9	1.0
66°	3.8	4.8	4.8	4.8	4.8	3.8	1.9	1.0



TEST NUMBER: P175592

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
75°	3.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
77.5°	4.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
80°	4.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
82.5°	4.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
85°	4.8	4.8	4.8	4.8	4.8	3.8	2.9	1.9
87.5°	4.8	4.8	4.8	4.8	4.8	3.8	1.9	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°	7.6	6.7	6.7	6.7	6.7	5.7	5.7	5.7	4.8	4.8	3.8
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9





67.5°	3.8	3.8	3.8	3.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9





67.5°	2.9	2.9	2.9	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70°	2.9	2.9	2.9	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8





67.5°	3.8	4.8	4.8	4.8	4.8	3.8	1.9	1.9
70°	3.8	3.8	4.8	4.8	4.8	3.8	2.9	1.9



(END OF REPORT)