

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: P175570

Luminaire Tested: **LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175570
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: LDA6A20840D010TE 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: 1630.3 lumens
Efficiency: N/A
Efficacy: 56.0 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

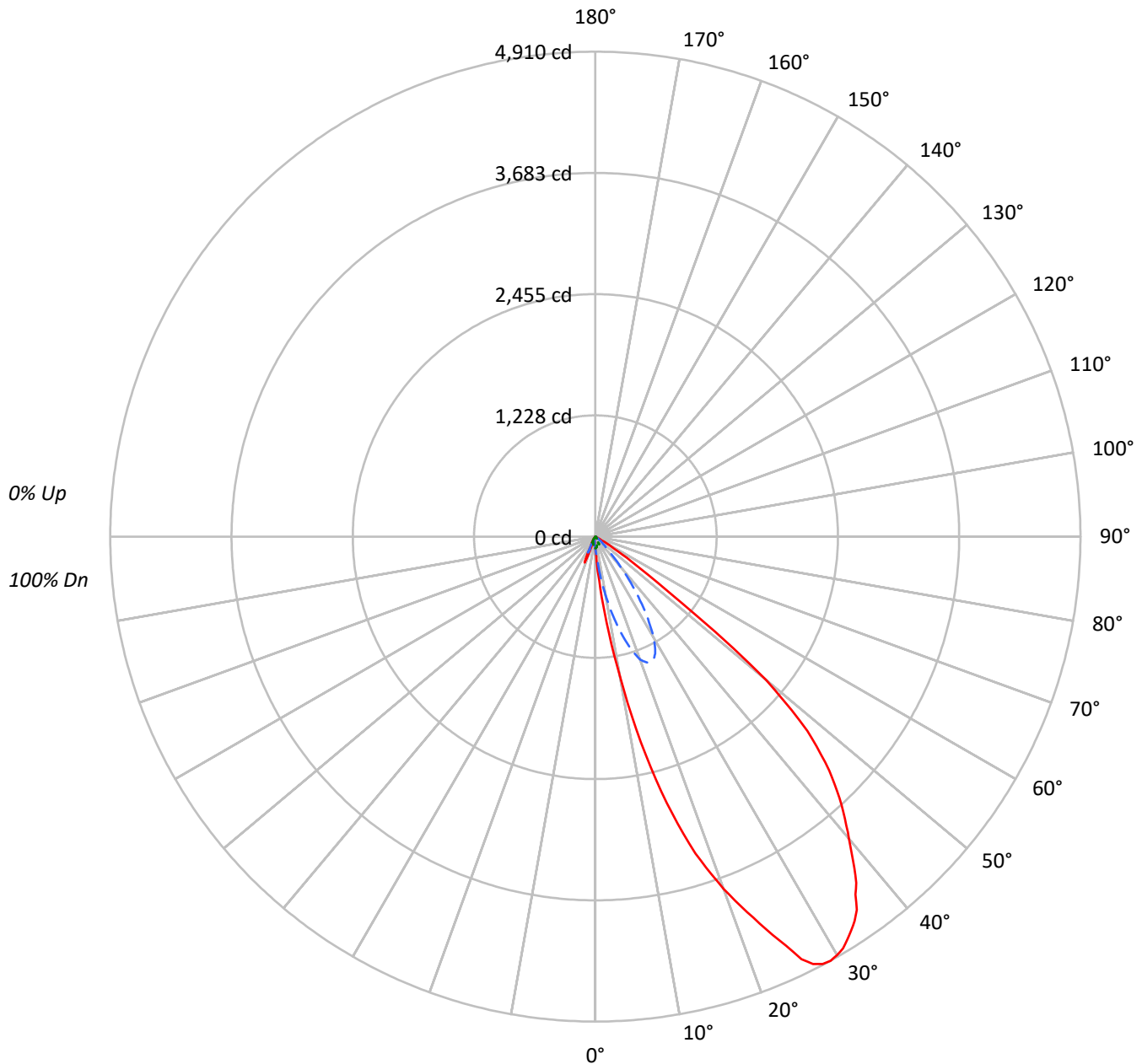
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	6535	6535	6535
5°	24686	6125	3137
10°	80242	5177	2043
15°	158486	4200	1822
20°	221371	3518	3209
25°	276464	4875	9624
30°	309725	2817	4558
35°	308776	2061	2369
40°	285843	1124	1124
45°	259608	713	612
50°	192531	392	281
55°	47004	315	124
60°	8333	285	77
65°	1531	428	91
70°	321	529	208
75°	0	699	275
80°	0	1042	410
85°	0	2076	818



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	1.4
10°-20°	183.9	11.3
20°-30°	446.4	27.4
30°-40°	527.0	32.3
40°-50°	373.8	22.9
50°-60°	67.8	4.2
60°-70°	4.3	0.3
70°-80°	2.3	0.1
80°-90°	2.0	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°	653.1	40.1
0°-40°	1180.1	72.4
0°-60°	1621.7	99.5
0°-90°	1630.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	119	119	119	119	119	
5°	449	257	111	68	57	75
15°	2792	1016	74	37	32	807
25°	4571	1378	81	178	159	2103
35°	4614	790	31	35	35	2842
45°	3349	151	9	10	8	2514
55°	492	20	3	3	1	638
65°	12	3	3	3	1	19
75°	0	2	3	3	1	0
85°	0	2	3	3	1	0
90°	0	0	0	0	0	



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	199.7	195.2	195.2	197.1	197.8	193.9	193.9	188.6	186.0	186.7	181.4
5°	448.6	457.8	439.4	442.1	440.1	427.7	422.4	404.7	392.9	387.1	368.1
7.5°	876.3	862.5	835.0	836.3	829.1	808.8	791.8	761.0	734.8	715.8	681.1
10°	1441.5	1445.4	1401.5	1397.6	1380.6	1341.9	1303.9	1244.3	1190.6	1148.7	1084.5
12.5°	2133.1	2093.1	2077.4	2066.2	2038.7	1985.7	1926.8	1844.2	1762.4	1692.3	1593.4
15°	2792.5	2770.3	2746.7	2727.7	2693.0	2626.2	2552.2	2448.7	2342.0	2249.6	2124.5
17.5°	3362.3	3335.5	3307.3	3285.0	3224.1	3177.0	3077.4	2991.6	2869.8	2759.8	2609.2
20°	3794.6	3780.2	3747.4	3716.6	3651.8	3590.2	3486.8	3389.2	3254.3	3114.8	2970.7
22.5°	4177.0	4155.4	4114.2	4067.7	3986.5	3905.2	3786.0	3677.3	3530.0	3381.3	3226.1
25°	4570.6	4560.8	4497.9	4423.3	4308.7	4194.1	4045.4	3911.1	3744.8	3588.3	3407.5
26°	4761.2	4716.7	4652.5	4565.4	4430.5	4291.6	4130.5	3983.2	3805.7	3634.1	3453.4
27°	4856.2	4821.5	4765.1	4676.7	4535.9	4372.2	4194.7	4036.2	3848.3	3670.8	3483.5
28°	4900.1	4870.6	4824.1	4742.2	4605.3	4421.3	4234.7	4067.0	3871.2	3687.8	3494.6
29°	4909.9	4887.0	4846.4	4771.0	4642.7	4454.7	4255.6	4080.8	3881.0	3693.7	3497.2
30°	4892.9	4879.8	4848.3	4776.3	4652.5	4464.5	4259.6	4080.8	3878.4	3687.8	3486.8
31°	4864.7	4856.8	4830.6	4763.2	4642.7	4452.1	4244.5	4065.0	3861.4	3668.8	3463.2
32°	4811.6	4818.8	4797.2	4731.1	4611.9	4420.0	4215.0	4037.5	3833.2	3638.7	3427.2
33°	4755.3	4773.0	4753.4	4682.0	4558.8	4368.3	4171.1	3998.2	3793.3	3596.8	3380.0
34°	4693.8	4714.1	4689.2	4608.6	4481.6	4297.5	4111.5	3943.9	3740.2	3543.1	3318.4
35°	4613.9	4630.9	4598.1	4513.0	4383.3	4209.1	4037.5	3873.8	3672.7	3472.3	3242.5
36°	4479.6	4520.9	4486.8	4399.0	4272.0	4112.9	3953.7	3794.6	3595.5	3394.4	3159.3
37°	4389.2	4397.1	4363.7	4274.6	4157.4	4015.9	3865.3	3710.1	3513.6	3307.3	3068.3
38°	4258.9	4262.2	4228.8	4145.6	4044.1	3914.4	3770.3	3619.0	3422.6	3213.0	2966.8
39°	4122.7	4122.0	4091.9	4020.5	3930.1	3806.4	3666.9	3518.2	3319.1	3104.3	2848.2
40°	3994.3	3992.3	3966.2	3900.7	3812.9	3693.1	3556.2	3406.9	3203.8	2983.8	2717.2
42.5°	3690.4	3677.3	3651.1	3587.0	3503.1	3384.6	3241.8	3080.7	2865.2	2617.0	2315.8
45°	3348.6	3320.4	3292.9	3218.9	3124.6	2997.5	2837.1	2654.4	2413.4	2141.6	1828.5
47.5°	2911.1	2873.1	2846.3	2761.8	2654.4	2511.6	2328.2	2129.1	1875.0	1583.6	1264.0
50°	2257.5	2173.0	2144.8	2011.9	1867.2	1682.5	1451.9	1221.4	965.3	727.0	508.9
51°	1793.2	1698.8	1671.3	1535.1	1395.0	1224.7	1015.1	820.0	620.9	458.4	340.6
52°	1310.5	1222.7	1197.8	1074.7	956.8	820.0	664.1	535.7	423.7	342.5	275.1
53°	904.4	847.5	825.2	742.7	664.7	577.0	482.7	404.7	332.7	275.1	224.6
54°	667.4	628.7	611.0	551.4	495.1	433.6	368.7	315.7	265.9	223.3	181.4
55°	491.8	463.0	450.6	409.3	372.6	330.7	287.5	249.5	210.9	175.5	137.5
57.5°	222.7	208.3	203.0	185.3	170.9	158.5	129.0	108.1	87.8	70.7	55.0
60°	76.0	70.1	68.1	61.6	57.6	53.7	45.2	38.6	33.4	28.8	24.2
61°	48.5	45.2	43.9	40.6	38.6	36.7	31.4	27.5	24.2	21.6	18.3
62°	32.7	30.8	30.1	28.2	26.9	26.2	22.9	20.3	17.7	15.7	13.8
63°	22.9	21.6	21.6	20.3	19.6	19.0	16.4	15.1	13.1	11.8	10.5
64°	16.4	15.7	15.1	14.4	13.8	13.8	11.8	11.1	9.8	9.2	7.9
65°	11.8	11.1	11.1	10.5	10.5	9.8	9.2	7.9	7.2	6.5	5.9
66°	8.5	7.9	7.9	7.9	7.2	7.2	6.5	5.9	5.2	5.2	4.6



TEST NUMBER: P175570

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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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	182.7	178.1	176.8	175.5	173.6	171.6	165.7	164.4	163.1	157.8	156.5
5°	362.8	344.5	332.7	320.3	307.2	292.1	267.9	256.7	244.9	224.6	214.8
7.5°	660.8	623.5	593.4	562.6	531.8	495.8	448.6	420.5	390.3	350.4	323.5
10°	1036.1	967.3	908.4	851.4	796.4	733.5	671.9	610.4	558.0	495.8	445.3
12.5°	1508.3	1396.3	1299.3	1203.7	1109.4	1008.6	910.3	814.7	721.7	639.2	561.3
15°	2012.5	1867.8	1732.2	1596.0	1453.3	1302.0	1154.0	1015.8	884.1	768.9	663.4
17.5°	2442.8	2278.4	2104.9	1935.3	1753.2	1550.2	1368.8	1190.6	1021.7	873.0	737.4
20°	2791.2	2603.9	2398.3	2196.6	1973.9	1756.5	1539.0	1326.9	1112.7	931.3	767.6
22.5°	3040.8	2841.7	2617.0	2387.8	2133.7	1882.9	1630.7	1381.2	1140.2	934.6	752.5
25°	3208.4	2991.6	2748.0	2493.9	2210.3	1934.0	1651.0	1377.9	1114.7	895.3	702.1
26°	3248.4	3026.4	2776.2	2512.2	2221.5	1937.9	1641.2	1359.6	1090.4	866.4	671.3
27°	3273.9	3045.3	2788.6	2516.8	2220.8	1942.5	1618.9	1330.8	1056.4	831.1	635.9
28°	3283.1	3049.9	2788.0	2507.7	2205.7	1897.3	1584.2	1289.5	1019.0	788.5	595.3
29°	3281.8	3044.0	2774.9	2485.4	2177.6	1859.3	1536.4	1238.4	968.0	740.7	551.4
30°	3268.7	3024.4	2748.0	2448.1	2135.0	1806.2	1474.9	1176.9	911.6	688.3	503.6
31°	3241.8	2991.0	2704.8	2393.1	2076.1	1738.8	1402.8	1107.5	849.4	632.0	454.5
32°	3201.2	2943.2	2646.5	2324.9	2004.0	1660.2	1321.6	1022.3	783.3	574.4	411.9
33°	3148.8	2882.3	2576.4	2245.0	1922.8	1569.8	1231.9	962.7	715.8	516.1	356.3
34°	3082.0	2808.3	2491.3	2152.7	1828.5	1469.6	1138.9	871.7	647.7	457.1	314.4
35°	3002.1	2719.2	2394.4	2050.5	1723.7	1360.9	1054.4	790.5	578.3	398.2	267.2
36°	2912.4	2620.3	2285.6	1940.5	1609.1	1250.2	958.1	709.3	509.5	340.6	225.3
37°	2814.2	2511.6	2170.4	1820.0	1486.0	1135.6	861.9	629.4	442.1	285.5	191.9
38°	2703.5	2389.8	2042.7	1687.1	1354.4	1021.7	766.9	549.5	374.6	236.4	167.7
39°	2575.1	2250.9	1903.8	1540.4	1219.4	907.1	673.3	470.9	311.1	197.1	149.3
40°	2432.3	2103.6	1751.9	1385.1	1083.2	795.7	581.6	394.9	254.1	170.3	133.6
42.5°	2013.2	1672.0	1319.0	1018.4	766.2	541.0	372.6	236.4	164.4	126.4	98.2
45°	1518.1	1198.5	911.0	685.7	498.4	324.2	212.2	150.6	116.6	87.8	68.8
47.5°	993.5	746.6	531.1	368.7	249.5	166.3	129.7	98.2	76.0	58.3	46.5
50°	374.6	276.4	214.8	171.6	135.6	102.8	81.2	62.2	47.8	36.7	29.5
51°	277.0	223.3	176.2	140.8	112.0	85.1	66.1	49.1	38.0	29.5	24.2
52°	227.3	183.4	144.7	115.3	91.0	66.1	51.1	38.6	30.8	24.2	19.6
53°	186.0	149.3	116.6	91.0	69.4	50.4	39.3	30.8	24.9	19.6	16.4
54°	148.0	115.9	87.1	66.8	51.7	38.0	30.8	24.2	19.6	16.4	13.8
55°	110.0	83.8	62.2	49.1	38.6	29.5	24.2	19.6	16.4	13.1	11.1
57.5°	45.2	36.0	29.5	24.2	20.3	16.4	13.8	11.8	9.8	7.9	6.5
60°	21.0	17.7	15.7	13.1	11.1	9.2	7.9	7.2	5.9	5.2	4.6
61°	16.4	13.8	11.8	10.5	9.2	7.2	6.5	5.9	5.2	4.6	3.9
62°	12.4	10.5	9.2	7.9	7.2	5.9	5.2	4.6	3.9	3.9	3.3
63°	9.2	7.9	7.2	6.5	5.9	5.2	4.6	3.9	3.9	3.3	3.3
64°	7.2	6.5	5.9	5.2	4.6	3.9	3.9	3.3	3.3	2.6	2.6
65°	5.2	5.2	4.6	3.9	3.9	3.3	3.3	3.3	2.6	2.6	2.6
66°	4.6	3.9	3.3	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
75°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
82.5°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0
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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CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	153.2	152.6	148.0	146.0	143.4	140.2	137.5	135.6	132.3	129.7	127.1
5°	201.1	193.9	182.1	174.2	167.0	159.8	153.9	148.7	142.8	137.5	132.3
7.5°	290.1	265.9	236.4	214.2	195.8	179.4	167.7	157.8	148.7	140.8	131.6
10°	389.7	345.1	299.9	257.4	224.0	195.8	176.2	161.1	148.7	138.2	126.4
12.5°	481.4	415.9	349.7	292.7	243.6	205.0	178.1	159.1	144.7	131.6	117.9
15°	559.3	471.5	387.7	314.4	253.5	205.6	174.9	153.9	137.5	121.8	108.1
17.5°	608.4	497.1	398.2	313.7	246.9	195.2	164.4	144.1	125.7	110.0	96.9
20°	618.9	491.2	383.1	290.8	224.0	175.5	150.0	129.0	110.7	96.9	85.8
22.5°	592.7	457.8	343.2	251.5	191.9	155.2	133.6	113.3	98.2	87.1	77.9
25°	536.4	399.5	288.2	206.3	164.4	136.9	117.2	100.9	89.7	82.5	77.3
26°	506.9	370.7	263.3	189.9	155.2	130.3	112.0	97.6	88.4	83.2	79.2
27°	472.8	339.9	238.4	175.5	146.7	121.8	105.4	92.3	83.8	79.2	76.6
28°	435.5	307.2	214.8	162.4	136.2	111.3	96.3	83.8	75.3	70.1	65.5
29°	396.2	274.4	193.2	150.6	125.7	102.2	87.8	76.0	67.5	62.2	57.6
30°	355.0	243.0	174.9	140.2	115.3	93.7	80.6	69.4	61.6	56.3	51.7
31°	315.0	214.2	161.8	129.0	106.1	86.4	74.7	65.5	57.6	52.4	49.1
32°	275.1	189.9	149.3	118.5	97.6	81.2	69.4	61.6	55.0	50.4	47.8
33°	239.0	169.6	138.2	108.7	90.4	76.0	66.1	58.9	53.0	49.1	46.5
34°	207.0	155.9	125.7	98.9	83.2	70.1	60.9	54.4	48.5	45.2	41.9
35°	180.8	141.5	113.3	89.1	74.7	62.9	55.0	48.5	43.2	39.9	36.7
36°	160.5	127.1	100.9	79.2	66.8	57.0	49.1	43.2	38.6	35.4	32.7
37°	144.7	114.0	90.4	71.4	60.9	51.1	44.5	39.3	34.7	31.4	28.8
38°	130.3	101.5	81.2	64.8	55.0	46.5	39.9	36.0	31.4	28.2	25.5
39°	115.9	89.1	72.7	58.9	50.4	42.6	36.7	32.7	28.2	25.5	22.9
40°	102.8	79.9	65.5	53.0	45.8	38.0	33.4	29.5	25.5	22.9	20.3
42.5°	76.0	59.6	49.8	40.6	34.7	29.5	25.5	21.6	19.0	17.0	15.1
45°	54.4	43.2	36.0	29.5	24.9	21.0	17.7	15.7	13.8	12.4	11.1
47.5°	36.7	29.5	24.9	19.6	17.0	14.4	12.4	11.1	9.8	8.5	7.9
50°	23.6	19.0	16.4	13.1	11.1	9.8	8.5	7.2	6.5	5.9	5.9
51°	19.6	15.7	13.8	11.1	9.8	8.5	7.2	6.5	5.9	5.2	4.6
52°	16.4	13.1	11.1	9.2	7.9	7.2	5.9	5.2	4.6	4.6	4.6
53°	13.8	11.1	9.8	7.9	7.2	5.9	5.2	4.6	3.9	3.9	3.9
54°	11.1	9.2	7.9	6.5	5.9	5.2	4.6	3.9	3.9	3.3	3.3
55°	9.2	7.9	6.5	5.9	5.2	4.6	3.9	3.3	3.3	3.3	3.3
57.5°	5.9	5.2	4.6	3.9	3.3	3.3	2.6	2.6	2.6	2.6	2.6
60°	3.9	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
61°	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62°	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
63°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
64°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
66°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE 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°	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
82.5°	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
85°	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.3
87.5°	2.0	2.6	2.6	2.6	2.6	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



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2
2.5°	123.8	121.8	118.5	116.6	98.2	88.4	79.2	78.6
5°	126.4	121.2	115.9	111.3	81.2	67.5	58.3	57.0
7.5°	123.8	115.9	108.7	103.5	68.1	53.0	45.2	43.9
10°	116.6	108.1	99.5	93.0	58.3	45.2	38.0	36.7
12.5°	107.4	98.2	89.7	82.5	50.4	40.6	34.7	33.4
15°	96.9	87.8	80.6	74.0	46.5	37.3	33.4	32.1
17.5°	87.1	78.6	72.0	66.1	43.2	36.0	34.1	34.7
20°	77.3	70.7	64.8	60.3	44.5	42.6	49.1	55.0
22.5°	71.4	66.8	63.5	60.3	68.8	106.1	239.7	284.2
25°	74.7	74.0	76.0	80.6	140.8	178.1	157.2	159.1
26°	78.6	79.9	83.2	87.8	120.5	112.0	102.8	110.0
27°	76.0	76.6	76.0	75.3	79.2	78.6	82.5	89.7
28°	63.5	62.2	60.9	58.9	60.3	66.8	76.0	81.9
29°	55.0	53.7	51.7	49.8	52.4	64.8	73.4	77.3
30°	49.8	47.8	45.8	44.5	52.4	64.2	70.1	72.0
31°	46.5	45.2	43.9	43.9	53.0	60.9	64.2	64.8
32°	46.5	45.2	44.5	44.5	49.1	54.4	56.3	57.0
33°	45.2	43.9	41.9	41.3	43.2	47.2	49.1	49.1
34°	39.9	38.6	37.3	35.4	37.3	40.6	42.6	41.9
35°	34.7	33.4	32.1	30.8	32.1	35.4	36.0	35.4
36°	30.1	28.8	27.5	26.2	27.5	30.1	30.8	30.1
37°	26.9	25.5	24.2	22.9	22.9	26.2	26.9	25.5
38°	24.2	22.3	21.0	20.3	20.3	22.9	22.9	21.6
39°	21.6	20.3	19.0	17.7	17.7	19.6	19.6	18.3
40°	19.0	17.7	16.4	15.7	15.7	17.0	17.0	15.7
42.5°	13.8	13.1	12.4	11.8	11.8	13.1	12.4	11.1
45°	10.5	9.8	9.2	9.2	9.2	9.8	8.5	7.9
47.5°	7.2	7.2	6.5	6.5	6.5	7.2	6.5	5.9
50°	5.2	5.2	4.6	4.6	5.2	5.2	4.6	3.3
51°	4.6	4.6	4.6	3.9	4.6	4.6	3.9	3.3
52°	3.9	3.9	3.9	3.9	3.9	3.9	3.3	2.6
53°	3.3	3.3	3.3	3.3	3.3	3.3	2.6	2.0
54°	3.3	3.3	3.3	3.3	3.3	3.3	2.0	2.0
55°	3.3	3.3	3.3	3.3	3.3	2.6	2.0	1.3
57.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.0	1.3
60°	2.6	2.6	2.6	2.6	2.6	2.6	1.3	0.7
61°	2.6	2.6	2.6	2.6	3.3	2.6	1.3	0.7
62°	2.6	2.6	2.6	2.6	3.3	2.6	1.3	0.7
63°	2.6	2.6	2.6	2.6	3.3	2.6	1.3	0.7
64°	2.6	2.6	2.6	3.3	3.3	2.6	1.3	0.7
65°	2.6	2.6	3.3	3.3	3.3	2.6	1.3	0.7
66°	2.6	3.3	3.3	3.3	3.3	2.6	1.3	0.7



TEST NUMBER: P175570

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.6	3.3	3.3	3.3	3.3	2.6	2.0	1.3
75°	2.6	3.3	3.3	3.3	3.3	2.6	2.0	1.3
77.5°	3.3	3.3	3.3	3.3	3.3	2.6	2.0	1.3
80°	3.3	3.3	3.3	3.3	3.3	2.6	2.0	1.3
82.5°	3.3	3.3	3.3	3.3	3.3	2.6	2.0	1.3
85°	3.3	3.3	3.3	3.3	3.3	2.6	2.0	1.3
87.5°	3.3	3.3	3.3	3.3	3.3	2.6	1.3	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - 90°-270°







67.5°	5.2	4.6	4.6	4.6	4.6	3.9	3.9	3.9	3.3	3.3	2.6
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3





67.5°	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0





67.5°	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6





67.5°	2.6	3.3	3.3	3.3	3.3	2.6	1.3	1.3
70°	2.6	2.6	3.3	3.3	3.3	2.6	2.0	1.3



(END OF REPORT)