

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: P175572

Luminaire Tested: **LDA6A20930D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175572
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: LDA6A20930D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1293.1 lumens
Efficiency: N/A
Efficacy: 44.4 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

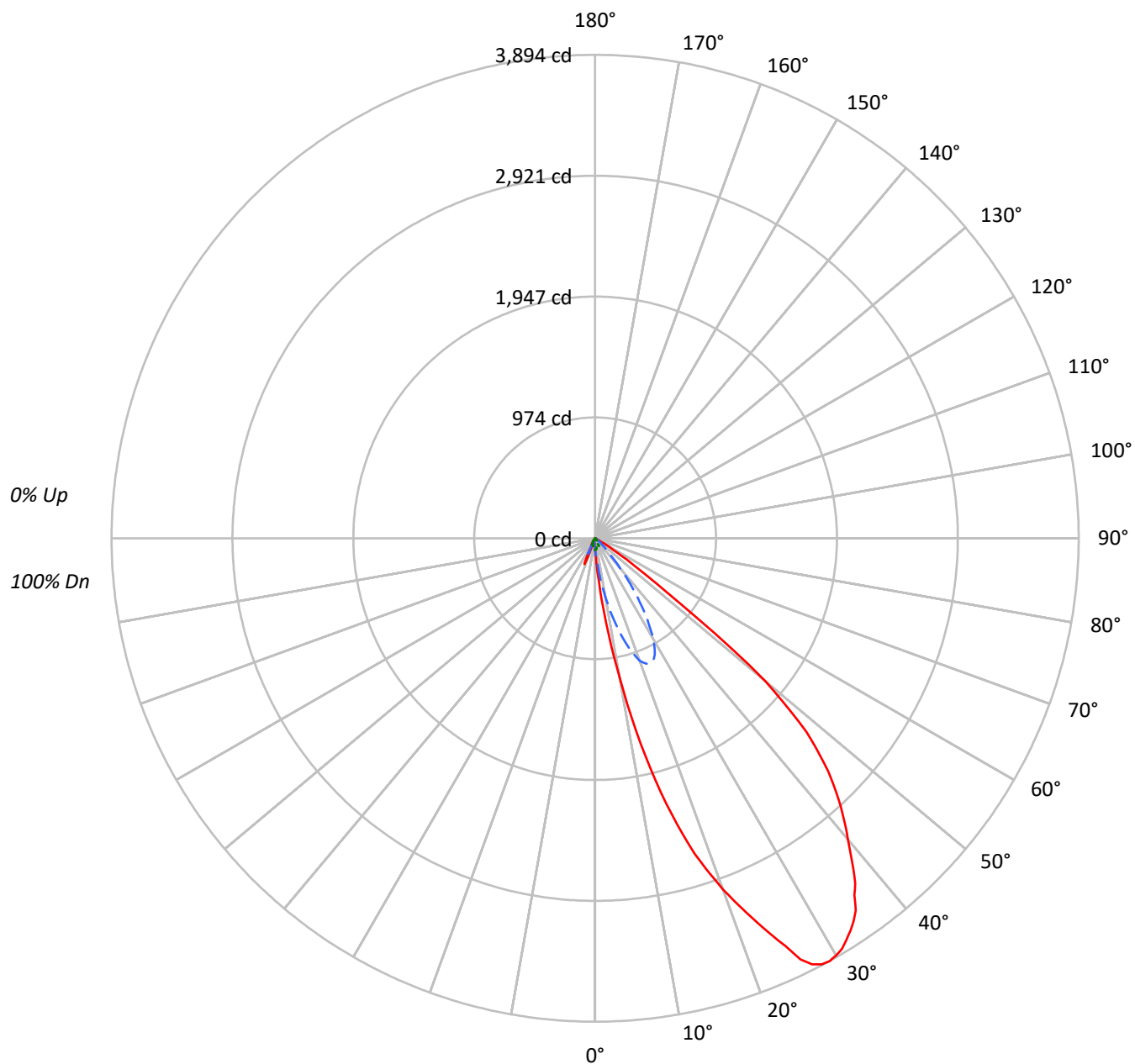
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5181	5181	5181
5°	19580	4859	2487
10°	63643	4108	1620
15°	125699	3331	1447
20°	175569	2789	2544
25°	219273	3865	7634
30°	245645	2235	3614
35°	244892	1633	1874
40°	226710	895	895
45°	205897	566	481
50°	152703	307	222
55°	37284	248	96
60°	6611	230	55
65°	1206	337	65
70°	256	417	160
75°	0	551	212
80°	0	821	316
85°	0	1635	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	1.4
10°-20°	145.9	11.3
20°-30°	354.0	27.4
30°-40°	418.0	32.3
40°-50°	296.5	22.9
50°-60°	53.8	4.2
60°-70°	3.4	0.3
70°-80°	1.8	0.1
80°-90°	1.6	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°	518.0	40.1
0°-40°	936.0	72.4
0°-60°	1286.2	99.5
0°-90°	1293.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	356	204	88	54	45	59
15°	2215	806	59	30	26	640
25°	3625	1093	64	141	126	1668
35°	3659	627	24	28	28	2254
45°	2656	120	7	8	6	1994
55°	390	16	3	2	1	506
65°	9	3	3	2	0	15
75°	0	2	3	2	1	0
85°	0	2	3	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P175572

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	158.4	154.8	154.8	156.3	156.9	153.7	153.7	149.6	147.5	148.0	143.9
5°	355.8	363.1	348.5	350.6	349.1	339.2	335.0	321.0	311.7	307.0	291.9
7.5°	695.0	684.1	662.3	663.3	657.6	641.5	628.0	603.6	582.8	567.7	540.2
10°	1143.3	1146.4	1111.6	1108.5	1094.9	1064.3	1034.2	986.9	944.3	911.1	860.2
12.5°	1691.8	1660.1	1647.6	1638.8	1617.0	1574.9	1528.1	1462.7	1397.8	1342.2	1263.8
15°	2214.8	2197.2	2178.5	2163.4	2135.9	2082.9	2024.2	1942.1	1857.5	1784.2	1685.0
17.5°	2666.7	2645.4	2623.1	2605.4	2557.1	2519.7	2440.8	2372.7	2276.1	2188.9	2069.4
20°	3009.5	2998.1	2972.1	2947.7	2896.3	2847.5	2765.4	2688.0	2581.0	2470.4	2356.1
22.5°	3312.9	3295.7	3263.0	3226.1	3161.7	3097.3	3002.8	2916.6	2799.7	2681.8	2558.7
25°	3625.1	3617.3	3567.4	3508.2	3417.3	3326.4	3208.5	3102.0	2970.1	2845.9	2702.6
26°	3776.2	3740.9	3690.0	3620.9	3513.9	3403.8	3276.0	3159.1	3018.4	2882.3	2738.9
27°	3851.5	3824.0	3779.3	3709.2	3597.5	3467.7	3326.9	3201.2	3052.1	2911.4	2762.8
28°	3886.3	3863.0	3826.1	3761.1	3652.6	3506.6	3358.6	3225.6	3070.3	2924.9	2771.6
29°	3894.1	3875.9	3843.7	3784.0	3682.2	3533.1	3375.2	3236.5	3078.1	2929.6	2773.7
30°	3880.6	3870.2	3845.3	3788.2	3690.0	3540.9	3378.3	3236.5	3076.0	2924.9	2765.4
31°	3858.3	3852.0	3831.3	3777.8	3682.2	3531.0	3366.4	3224.1	3062.5	2909.8	2746.7
32°	3816.2	3821.9	3804.8	3752.3	3657.8	3505.6	3343.0	3202.2	3040.2	2885.9	2718.1
33°	3771.5	3785.6	3770.0	3713.4	3615.7	3464.6	3308.2	3171.1	3008.5	2852.7	2680.7
34°	3722.7	3738.8	3719.1	3655.2	3554.4	3408.5	3260.9	3128.0	2966.4	2810.1	2631.9
35°	3659.3	3672.8	3646.9	3579.4	3476.5	3338.3	3202.2	3072.4	2912.9	2754.0	2571.7
36°	3552.9	3585.6	3558.6	3489.0	3388.2	3262.0	3135.8	3009.5	2851.6	2692.2	2505.7
37°	3481.2	3487.4	3460.9	3390.3	3297.3	3185.1	3065.6	2942.5	2786.7	2623.1	2433.5
38°	3377.8	3380.4	3353.9	3288.0	3207.4	3104.6	2990.3	2870.3	2714.5	2548.3	2353.0
39°	3269.8	3269.3	3245.4	3188.7	3117.1	3018.9	2908.3	2790.3	2632.4	2462.1	2259.0
40°	3168.0	3166.4	3145.6	3093.7	3024.1	2929.0	2820.5	2702.0	2541.0	2366.5	2155.1
42.5°	2927.0	2916.6	2895.8	2844.9	2778.4	2684.4	2571.1	2443.4	2272.5	2075.6	1836.7
45°	2655.8	2633.5	2611.7	2553.0	2478.2	2377.4	2250.1	2105.2	1914.1	1698.5	1450.2
47.5°	2308.8	2278.7	2257.4	2190.4	2105.2	1992.0	1846.6	1688.6	1487.1	1256.0	1002.5
50°	1790.5	1723.4	1701.1	1595.7	1480.9	1334.4	1151.6	968.7	765.6	576.6	403.6
51°	1422.2	1347.4	1325.6	1217.5	1106.4	971.3	805.1	650.3	492.4	363.6	270.1
52°	1039.4	969.8	950.0	852.4	758.9	650.3	526.7	424.9	336.1	271.7	218.2
53°	717.3	672.1	654.5	589.0	527.2	457.6	382.8	321.0	263.9	218.2	178.2
54°	529.3	498.6	484.6	437.4	392.7	343.9	292.4	250.4	210.9	177.1	143.9
55°	390.1	367.2	357.4	324.6	295.6	262.3	228.0	197.9	167.3	139.2	109.1
57.5°	176.6	165.2	161.0	147.0	135.6	125.7	102.3	85.7	69.6	56.1	43.6
60°	60.3	55.6	54.0	48.8	45.7	42.6	35.8	30.6	26.5	22.9	19.2
61°	38.4	35.8	34.8	32.2	30.6	29.1	24.9	21.8	19.2	17.1	14.5
62°	26.0	24.4	23.9	22.3	21.3	20.8	18.2	16.1	14.0	12.5	10.9
63°	18.2	17.1	17.1	16.1	15.6	15.1	13.0	11.9	10.4	9.3	8.3
64°	13.0	12.5	11.9	11.4	10.9	10.9	9.3	8.8	7.8	7.3	6.2
65°	9.3	8.8	8.8	8.3	8.3	7.8	7.3	6.2	5.7	5.2	4.7
66°	6.8	6.2	6.2	6.2	5.7	5.7	5.2	4.7	4.2	4.2	3.6



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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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	144.9	141.3	140.2	139.2	137.6	136.1	131.4	130.4	129.3	125.2	124.1
5°	287.8	273.2	263.9	254.0	243.6	231.7	212.4	203.6	194.3	178.2	170.4
7.5°	524.1	494.5	470.6	446.2	421.8	393.2	355.8	333.5	309.6	277.9	256.6
10°	821.7	767.2	720.4	675.3	631.6	581.8	532.9	484.1	442.5	393.2	353.2
12.5°	1196.2	1107.4	1030.5	954.7	879.9	799.9	722.0	646.2	572.4	507.0	445.1
15°	1596.2	1481.4	1373.9	1265.8	1152.6	1032.6	915.2	805.6	701.2	609.8	526.2
17.5°	1937.5	1807.1	1669.4	1534.9	1390.5	1229.5	1085.6	944.3	810.3	692.4	584.9
20°	2213.8	2065.2	1902.1	1742.1	1565.5	1393.1	1220.6	1052.4	882.5	738.6	608.8
22.5°	2411.7	2253.8	2075.6	1893.8	1692.3	1493.3	1293.4	1095.5	904.3	741.2	596.8
25°	2544.7	2372.7	2179.5	1978.0	1753.1	1533.9	1309.5	1092.9	884.1	710.1	556.8
26°	2576.3	2400.3	2201.8	1992.5	1761.9	1537.0	1301.7	1078.3	864.8	687.2	532.4
27°	2596.6	2415.3	2211.7	1996.1	1761.4	1540.6	1284.0	1055.5	837.8	659.1	504.4
28°	2603.9	2419.0	2211.2	1988.9	1749.4	1504.8	1256.5	1022.7	808.2	625.4	472.2
29°	2602.8	2414.3	2200.8	1971.2	1727.1	1474.6	1218.6	982.2	767.7	587.5	437.4
30°	2592.4	2398.7	2179.5	1941.6	1693.3	1432.6	1169.7	933.4	723.0	545.9	399.4
31°	2571.1	2372.2	2145.2	1898.0	1646.6	1379.1	1112.6	878.3	673.7	501.2	360.5
32°	2538.9	2334.3	2099.0	1844.0	1589.4	1316.7	1048.2	810.8	621.2	455.5	326.7
33°	2497.4	2286.0	2043.4	1780.6	1525.0	1245.1	977.0	763.6	567.7	409.3	282.6
34°	2444.4	2227.3	1975.9	1707.3	1450.2	1165.6	903.3	691.4	513.7	362.6	249.3
35°	2381.0	2156.6	1899.0	1626.3	1367.1	1079.4	836.3	626.9	458.7	315.8	211.9
36°	2309.9	2078.2	1812.8	1539.1	1276.2	991.6	759.9	562.5	404.1	270.1	178.7
37°	2232.0	1992.0	1721.4	1443.5	1178.6	900.7	683.6	499.2	350.6	226.5	152.2
38°	2144.2	1895.4	1620.1	1338.0	1074.2	810.3	608.2	435.8	297.1	187.5	133.0
39°	2042.4	1785.3	1510.0	1221.7	967.2	719.4	534.0	373.5	246.7	156.3	118.4
40°	1929.1	1668.4	1389.5	1098.6	859.1	631.1	461.2	313.2	201.5	135.1	106.0
42.5°	1596.7	1326.1	1046.1	807.7	607.7	429.0	295.6	187.5	130.4	100.2	77.9
45°	1204.0	950.5	722.5	543.8	395.3	257.1	168.3	119.5	92.5	69.6	54.5
47.5°	788.0	592.1	421.3	292.4	197.9	131.9	102.8	77.9	60.3	46.2	36.9
50°	297.1	219.2	170.4	136.1	107.5	81.5	64.4	49.3	37.9	29.1	23.4
51°	219.7	177.1	139.7	111.7	88.8	67.5	52.5	39.0	30.1	23.4	19.2
52°	180.2	145.4	114.8	91.4	72.2	52.5	40.5	30.6	24.4	19.2	15.6
53°	147.5	118.4	92.5	72.2	55.1	40.0	31.2	24.4	19.7	15.6	13.0
54°	117.4	91.9	69.1	53.0	41.0	30.1	24.4	19.2	15.6	13.0	10.9
55°	87.3	66.5	49.3	39.0	30.6	23.4	19.2	15.6	13.0	10.4	8.8
57.5°	35.8	28.6	23.4	19.2	16.1	13.0	10.9	9.3	7.8	6.2	5.2
60°	16.6	14.0	12.5	10.4	8.8	7.3	6.2	5.7	4.7	4.2	3.6
61°	13.0	10.9	9.3	8.3	7.3	5.7	5.2	4.7	4.2	3.6	3.1
62°	9.9	8.3	7.3	6.2	5.7	4.7	4.2	3.6	3.1	3.1	2.6
63°	7.3	6.2	5.7	5.2	4.7	4.2	3.6	3.1	3.1	2.6	2.6
64°	5.7	5.2	4.7	4.2	3.6	3.1	3.1	2.6	2.6	2.1	2.1
65°	4.2	4.2	3.6	3.1	3.1	2.6	2.6	2.6	2.1	2.1	2.1
66°	3.6	3.1	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1



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CATALOG NUMBER: LDA6A20930D010TE 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°	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6
82.5°	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6
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: LDA6A20930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	121.5	121.0	117.4	115.8	113.8	111.2	109.1	107.5	104.9	102.8	100.8
5°	159.5	153.7	144.4	138.2	132.5	126.7	122.1	117.9	113.2	109.1	104.9
7.5°	230.1	210.9	187.5	169.9	155.3	142.3	133.0	125.2	117.9	111.7	104.4
10°	309.1	273.7	237.9	204.1	177.6	155.3	139.7	127.8	117.9	109.6	100.2
12.5°	381.8	329.8	277.4	232.2	193.2	162.6	141.3	126.2	114.8	104.4	93.5
15°	443.6	374.0	307.5	249.3	201.0	163.1	138.7	122.1	109.1	96.6	85.7
17.5°	482.5	394.2	315.8	248.8	195.8	154.8	130.4	114.3	99.7	87.3	76.9
20°	490.9	389.6	303.9	230.6	177.6	139.2	118.9	102.3	87.8	76.9	68.0
22.5°	470.1	363.1	272.2	199.5	152.2	123.1	106.0	89.9	77.9	69.1	61.8
25°	425.4	316.8	228.5	163.6	130.4	108.6	93.0	80.0	71.2	65.4	61.3
26°	402.0	294.0	208.8	150.6	123.1	103.4	88.8	77.4	70.1	66.0	62.9
27°	375.0	269.6	189.1	139.2	116.4	96.6	83.6	73.2	66.5	62.9	60.8
28°	345.4	243.6	170.4	128.8	108.0	88.3	76.4	66.5	59.7	55.6	51.9
29°	314.3	217.6	153.2	119.5	99.7	81.0	69.6	60.3	53.5	49.3	45.7
30°	281.5	192.7	138.7	111.2	91.4	74.3	63.9	55.1	48.8	44.7	41.0
31°	249.8	169.9	128.3	102.3	84.1	68.6	59.2	51.9	45.7	41.6	39.0
32°	218.2	150.6	118.4	94.0	77.4	64.4	55.1	48.8	43.6	40.0	37.9
33°	189.6	134.5	109.6	86.2	71.7	60.3	52.5	46.7	42.1	39.0	36.9
34°	164.1	123.6	99.7	78.4	66.0	55.6	48.3	43.1	38.4	35.8	33.2
35°	143.4	112.2	89.9	70.6	59.2	49.9	43.6	38.4	34.3	31.7	29.1
36°	127.3	100.8	80.0	62.9	53.0	45.2	39.0	34.3	30.6	28.0	26.0
37°	114.8	90.4	71.7	56.6	48.3	40.5	35.3	31.2	27.5	24.9	22.9
38°	103.4	80.5	64.4	51.4	43.6	36.9	31.7	28.6	24.9	22.3	20.3
39°	91.9	70.6	57.7	46.7	40.0	33.8	29.1	26.0	22.3	20.3	18.2
40°	81.5	63.4	51.9	42.1	36.4	30.1	26.5	23.4	20.3	18.2	16.1
42.5°	60.3	47.3	39.5	32.2	27.5	23.4	20.3	17.1	15.1	13.5	11.9
45°	43.1	34.3	28.6	23.4	19.7	16.6	14.0	12.5	10.9	9.9	8.8
47.5°	29.1	23.4	19.7	15.6	13.5	11.4	9.9	8.8	7.8	6.8	6.2
50°	18.7	15.1	13.0	10.4	8.8	7.8	6.8	5.7	5.2	4.7	4.7
51°	15.6	12.5	10.9	8.8	7.8	6.8	5.7	5.2	4.7	4.2	3.6
52°	13.0	10.4	8.8	7.3	6.2	5.7	4.7	4.2	3.6	3.6	3.6
53°	10.9	8.8	7.8	6.2	5.7	4.7	4.2	3.6	3.1	3.1	3.1
54°	8.8	7.3	6.2	5.2	4.7	4.2	3.6	3.1	3.1	2.6	2.6
55°	7.3	6.2	5.2	4.7	4.2	3.6	3.1	2.6	2.6	2.6	2.6
57.5°	4.7	4.2	3.6	3.1	2.6	2.6	2.1	2.1	2.1	2.1	2.1
60°	3.1	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
61°	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
62°	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
63°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
64°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
66°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



TEST NUMBER: P175572

CATALOG NUMBER: LDA6A20930D010TE 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°	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
82.5°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
87.5°	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P175572

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	98.2	96.6	94.0	92.5	77.9	70.1	62.9	62.3
5°	100.2	96.1	91.9	88.3	64.4	53.5	46.2	45.2
7.5°	98.2	91.9	86.2	82.1	54.0	42.1	35.8	34.8
10°	92.5	85.7	79.0	73.8	46.2	35.8	30.1	29.1
12.5°	85.2	77.9	71.2	65.4	40.0	32.2	27.5	26.5
15°	76.9	69.6	63.9	58.7	36.9	29.6	26.5	25.5
17.5°	69.1	62.3	57.1	52.5	34.3	28.6	27.0	27.5
20°	61.3	56.1	51.4	47.8	35.3	33.8	39.0	43.6
22.5°	56.6	53.0	50.4	47.8	54.5	84.1	190.1	225.4
25°	59.2	58.7	60.3	63.9	111.7	141.3	124.7	126.2
26°	62.3	63.4	66.0	69.6	95.6	88.8	81.5	87.3
27°	60.3	60.8	60.3	59.7	62.9	62.3	65.4	71.2
28°	50.4	49.3	48.3	46.7	47.8	53.0	60.3	64.9
29°	43.6	42.6	41.0	39.5	41.6	51.4	58.2	61.3
30°	39.5	37.9	36.4	35.3	41.6	50.9	55.6	57.1
31°	36.9	35.8	34.8	34.8	42.1	48.3	50.9	51.4
32°	36.9	35.8	35.3	35.3	39.0	43.1	44.7	45.2
33°	35.8	34.8	33.2	32.7	34.3	37.4	39.0	39.0
34°	31.7	30.6	29.6	28.0	29.6	32.2	33.8	33.2
35°	27.5	26.5	25.5	24.4	25.5	28.0	28.6	28.0
36°	23.9	22.9	21.8	20.8	21.8	23.9	24.4	23.9
37°	21.3	20.3	19.2	18.2	18.2	20.8	21.3	20.3
38°	19.2	17.7	16.6	16.1	16.1	18.2	18.2	17.1
39°	17.1	16.1	15.1	14.0	14.0	15.6	15.6	14.5
40°	15.1	14.0	13.0	12.5	12.5	13.5	13.5	12.5
42.5°	10.9	10.4	9.9	9.3	9.3	10.4	9.9	8.8
45°	8.3	7.8	7.3	7.3	7.3	7.8	6.8	6.2
47.5°	5.7	5.7	5.2	5.2	5.2	5.7	5.2	4.7
50°	4.2	4.2	3.6	3.6	4.2	4.2	3.6	2.6
51°	3.6	3.6	3.6	3.1	3.6	3.6	3.1	2.6
52°	3.1	3.1	3.1	3.1	3.1	3.1	2.6	2.1
53°	2.6	2.6	2.6	2.6	2.6	2.6	2.1	1.6
54°	2.6	2.6	2.6	2.6	2.6	2.6	1.6	1.6
55°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.0
57.5°	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.0
60°	2.1	2.1	2.1	2.1	2.1	2.1	1.0	0.5
61°	2.1	2.1	2.1	2.1	2.6	2.1	1.0	0.5
62°	2.1	2.1	2.1	2.1	2.6	2.1	1.0	0.5
63°	2.1	2.1	2.1	2.1	2.6	2.1	1.0	0.5
64°	2.1	2.1	2.1	2.6	2.6	2.1	1.0	0.5
65°	2.1	2.1	2.6	2.6	2.6	2.1	1.0	0.5
66°	2.1	2.6	2.6	2.6	2.6	2.1	1.0	0.5



TEST NUMBER: P175572

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.1	2.6	2.6	2.6	2.6	2.1	1.6	1.0
75°	2.1	2.6	2.6	2.6	2.6	2.1	1.6	1.0
77.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.0
80°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.0
82.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.0
85°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.0
87.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.0	0.5
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°	4.2	3.6	3.6	3.6	3.6	3.1	3.1	3.1	2.6	2.6	2.1
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0





67.5°	2.1	2.1	2.1	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6





67.5°	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1





67.5°	2.1	2.6	2.6	2.6	2.6	2.1	1.0	1.0
70°	2.1	2.1	2.6	2.6	2.6	2.1	1.6	1.0



(END OF REPORT)