

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: P175571

Luminaire Tested: **LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175571
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: LDA6A20927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1121.8 lumens
Efficiency: N/A
Efficacy: 38.5 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

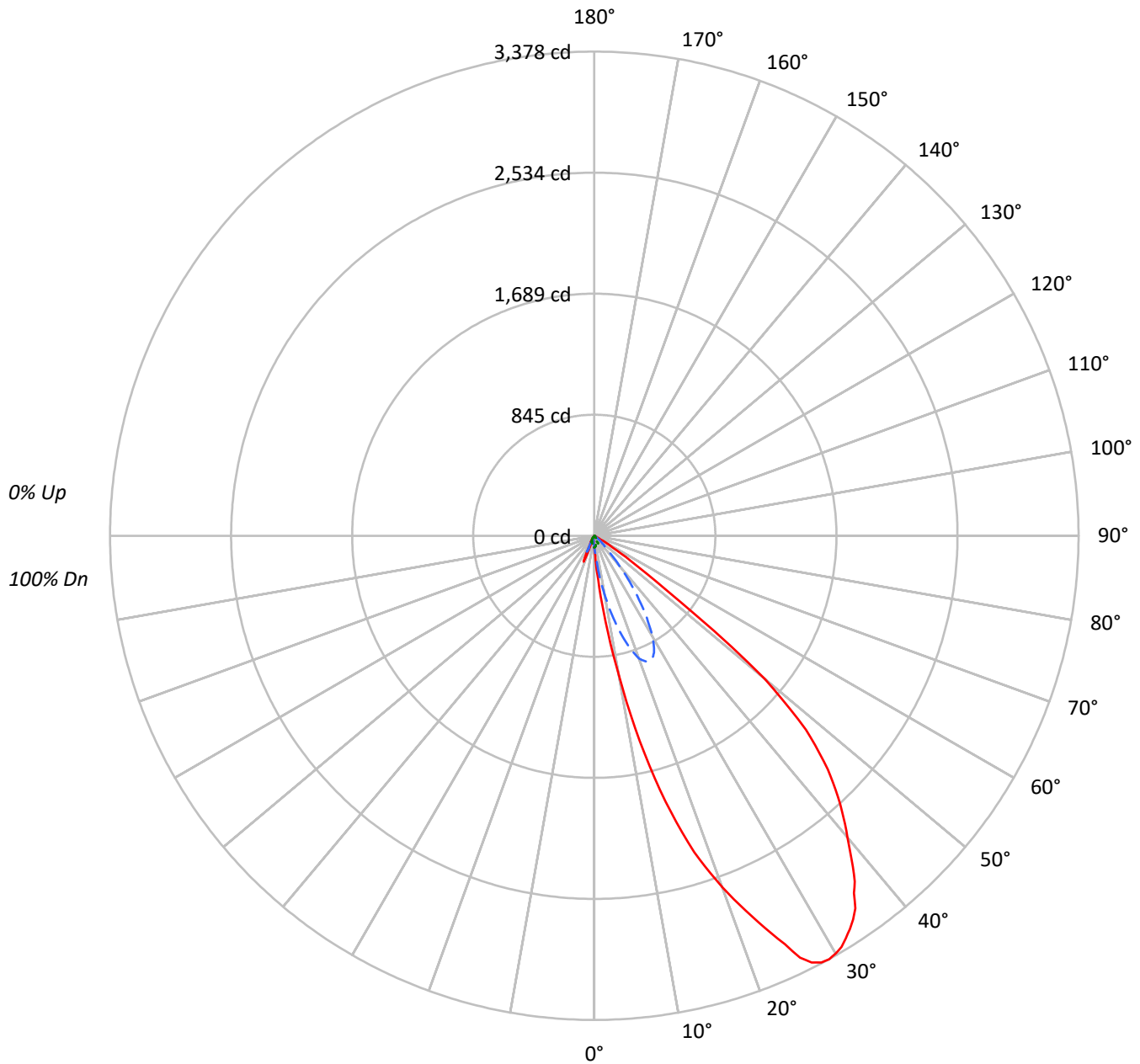
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

Luminous Intensity Polar Plot





TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

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	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	35	46	40	35	45	39	35	44	39	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4495	4495	4495
5°	16988	4215	2157
10°	55209	3563	1403
15°	109047	2889	1254
20°	152310	2421	2211
25°	190215	3351	6623
30°	213096	1937	3140
35°	212447	1419	1626
40°	196668	773	773
45°	178615	488	419
50°	132465	273	196
55°	32343	220	86
60°	5734	197	55
65°	1051	298	65
70°	224	369	144
75°	0	487	191
80°	0	726	284
85°	0	1447	566



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	1.4
10°-20°	126.5	11.3
20°-30°	307.1	27.4
30°-40°	362.6	32.3
40°-50°	257.2	22.9
50°-60°	46.7	4.2
60°-70°	3.0	0.3
70°-80°	1.6	0.1
80°-90°	1.4	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°	449.3	40.1
0°-40°	811.9	72.4
0°-60°	1115.8	99.5
0°-90°	1121.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	309	177	77	46	39	52
15°	1921	699	51	26	22	556
25°	3145	948	55	123	110	1447
35°	3174	544	21	24	24	1956
45°	2304	104	6	7	5	1730
55°	338	14	2	2	1	439
65°	8	2	2	2	0	13
75°	0	1	2	2	1	0
85°	0	1	2	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	137.4	134.3	134.3	135.6	136.1	133.4	133.4	129.8	128.0	128.4	124.8
5°	308.7	315.0	302.4	304.2	302.8	294.2	290.6	278.5	270.4	266.3	253.2
7.5°	602.9	593.4	574.5	575.4	570.5	556.5	544.8	523.6	505.6	492.5	468.6
10°	991.8	994.5	964.3	961.6	949.9	923.3	897.1	856.1	819.2	790.4	746.2
12.5°	1467.6	1440.1	1429.3	1421.6	1402.7	1366.2	1325.7	1268.9	1212.6	1164.3	1096.3
15°	1921.4	1906.0	1889.8	1876.7	1852.9	1806.9	1756.0	1684.8	1611.3	1547.8	1461.7
17.5°	2313.4	2294.9	2275.5	2260.2	2218.3	2185.9	2117.4	2058.3	1974.5	1898.8	1795.2
20°	2610.8	2600.9	2578.3	2557.2	2512.5	2470.2	2399.0	2331.9	2239.0	2143.1	2043.9
22.5°	2873.9	2859.1	2830.7	2798.7	2742.8	2686.9	2604.9	2530.1	2428.7	2326.4	2219.7
25°	3144.7	3138.0	3094.7	3043.3	2964.5	2885.6	2783.4	2691.0	2576.5	2468.8	2344.5
26°	3275.9	3245.2	3201.1	3141.1	3048.3	2952.8	2841.9	2740.5	2618.4	2500.4	2376.0
27°	3341.2	3317.3	3278.6	3217.7	3120.9	3008.2	2886.1	2777.0	2647.7	2525.6	2396.7
28°	3371.4	3351.1	3319.1	3262.8	3168.6	3042.0	2913.6	2798.2	2663.5	2537.3	2404.4
29°	3378.1	3362.4	3334.4	3282.6	3194.3	3065.0	2928.0	2807.7	2670.3	2541.4	2406.2
30°	3366.4	3357.4	3335.8	3286.2	3201.1	3071.7	2930.7	2807.7	2668.5	2537.3	2399.0
31°	3347.1	3341.6	3323.6	3277.2	3194.3	3063.2	2920.3	2796.9	2656.7	2524.3	2382.8
32°	3310.6	3315.5	3300.6	3255.1	3173.1	3041.1	2900.1	2777.9	2637.4	2503.5	2358.0
33°	3271.8	3284.0	3270.5	3221.3	3136.6	3005.5	2869.9	2750.9	2609.9	2474.7	2325.5
34°	3229.4	3243.4	3226.3	3170.9	3083.5	2956.8	2828.9	2713.5	2573.4	2437.7	2283.2
35°	3174.5	3186.2	3163.7	3105.1	3015.9	2896.0	2777.9	2665.3	2527.0	2389.1	2230.9
36°	3082.1	3110.5	3087.1	3026.7	2939.3	2829.8	2720.3	2610.8	2473.8	2335.5	2173.7
37°	3019.9	3025.3	3002.3	2941.1	2860.4	2763.1	2659.4	2552.6	2417.5	2275.5	2111.1
38°	2930.2	2932.5	2909.5	2852.3	2782.5	2693.2	2594.1	2490.0	2354.8	2210.6	2041.2
39°	2836.5	2836.1	2815.3	2766.2	2704.0	2618.9	2522.9	2420.6	2283.6	2135.8	1959.7
40°	2748.2	2746.9	2728.8	2683.8	2623.4	2540.9	2446.8	2344.0	2204.3	2052.9	1869.5
42.5°	2539.1	2530.1	2512.1	2467.9	2410.3	2328.7	2230.5	2119.6	1971.4	1800.6	1593.3
45°	2303.9	2284.5	2265.6	2214.7	2149.8	2062.4	1952.0	1826.3	1660.5	1473.5	1258.1
47.5°	2002.9	1976.8	1958.3	1900.2	1826.3	1728.0	1601.9	1464.9	1290.1	1089.5	869.7
50°	1553.2	1495.1	1475.7	1384.2	1284.7	1157.6	999.0	840.4	664.2	500.2	350.1
51°	1233.7	1168.9	1149.9	1056.2	959.8	842.6	698.4	564.2	427.2	315.4	234.3
52°	901.6	841.3	824.1	739.4	658.3	564.2	456.9	368.6	291.5	235.7	189.3
53°	622.3	583.1	567.8	511.0	457.4	397.0	332.1	278.5	228.9	189.3	154.6
54°	459.2	432.6	420.4	379.4	340.7	298.3	253.7	217.2	182.9	153.7	124.8
55°	338.4	318.6	310.0	281.6	256.4	227.6	197.8	171.7	145.1	120.8	94.6
57.5°	153.2	143.3	139.7	127.5	117.6	109.0	88.8	74.3	60.4	48.7	37.9
60°	52.3	48.2	46.9	42.4	39.7	36.9	31.1	26.6	23.0	19.8	16.7
61°	33.3	31.1	30.2	27.9	26.6	25.2	21.6	18.9	16.7	14.9	12.6
62°	22.5	21.2	20.7	19.4	18.5	18.0	15.8	14.0	12.2	10.8	9.5
63°	15.8	14.9	14.9	14.0	13.5	13.1	11.3	10.4	9.0	8.1	7.2
64°	11.3	10.8	10.4	9.9	9.5	9.5	8.1	7.7	6.8	6.3	5.4
65°	8.1	7.7	7.7	7.2	7.2	6.8	6.3	5.4	5.0	4.5	4.1
66°	5.9	5.4	5.4	5.4	5.0	5.0	4.5	4.1	3.6	3.6	3.2



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE 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°	0.5	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



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	125.7	122.6	121.7	120.8	119.4	118.1	114.0	113.1	112.2	108.6	107.7
5°	249.6	237.0	228.9	220.3	211.3	201.0	184.3	176.6	168.5	154.6	147.8
7.5°	454.7	429.0	408.2	387.1	365.9	341.1	308.7	289.3	268.6	241.1	222.6
10°	712.8	665.5	625.0	585.8	547.9	504.7	462.3	420.0	383.9	341.1	306.4
12.5°	1037.7	960.7	894.0	828.2	763.3	693.9	626.3	560.5	496.6	439.8	386.2
15°	1384.7	1285.1	1191.8	1098.1	999.9	895.8	794.0	698.9	608.3	529.0	456.5
17.5°	1680.7	1567.6	1448.2	1331.5	1206.3	1066.6	941.8	819.2	702.9	600.6	507.4
20°	1920.5	1791.6	1650.1	1511.3	1358.1	1208.5	1058.9	912.9	765.6	640.8	528.1
22.5°	2092.1	1955.2	1800.6	1642.9	1468.1	1295.5	1122.0	950.3	784.5	643.0	517.7
25°	2207.5	2058.3	1890.7	1715.9	1520.8	1330.6	1136.0	948.1	766.9	616.0	483.0
26°	2235.0	2082.2	1910.1	1728.5	1528.4	1333.3	1129.2	935.4	750.2	596.1	461.9
27°	2252.5	2095.3	1918.7	1731.7	1528.0	1336.5	1113.9	915.6	726.8	571.8	437.5
28°	2258.9	2098.4	1918.2	1725.3	1517.6	1305.4	1090.0	887.2	701.1	542.5	409.6
29°	2258.0	2094.4	1909.2	1710.0	1498.2	1279.3	1057.1	852.1	666.0	509.6	379.4
30°	2248.9	2080.9	1890.7	1684.3	1469.0	1242.8	1014.8	809.7	627.2	473.6	346.5
31°	2230.5	2057.9	1861.0	1646.5	1428.4	1196.3	965.2	762.0	584.4	434.8	312.7
32°	2202.5	2025.0	1820.9	1599.6	1378.8	1142.3	909.3	703.4	538.9	395.2	283.4
33°	2166.5	1983.1	1772.7	1544.7	1323.0	1080.1	847.6	662.4	492.5	355.1	245.1
34°	2120.5	1932.2	1714.1	1481.1	1258.1	1011.1	783.6	599.7	445.6	314.5	216.3
35°	2065.5	1870.9	1647.4	1410.8	1186.0	936.3	725.5	543.9	397.9	274.0	183.8
36°	2003.8	1802.8	1572.6	1335.1	1107.1	860.2	659.2	488.0	350.6	234.3	155.0
37°	1936.2	1728.0	1493.3	1252.2	1022.4	781.3	593.0	433.0	304.2	196.5	132.0
38°	1860.1	1644.2	1405.4	1160.7	931.8	702.9	527.7	378.1	257.7	162.7	115.4
39°	1771.8	1548.7	1309.9	1059.8	839.0	624.1	463.2	324.0	214.0	135.6	102.7
40°	1673.5	1447.3	1205.4	953.0	745.3	547.5	400.1	271.7	174.8	117.2	91.9
42.5°	1385.1	1150.4	907.5	700.7	527.2	372.2	256.4	162.7	113.1	87.0	67.6
45°	1044.5	824.6	626.8	471.8	342.9	223.0	146.0	103.6	80.2	60.4	47.3
47.5°	683.6	513.7	365.4	253.7	171.7	114.5	89.2	67.6	52.3	40.1	32.0
50°	257.7	190.2	147.8	118.1	93.3	70.7	55.9	42.8	32.9	25.2	20.3
51°	190.6	153.7	121.2	96.9	77.1	58.6	45.5	33.8	26.1	20.3	16.7
52°	156.4	126.2	99.6	79.3	62.6	45.5	35.1	26.6	21.2	16.7	13.5
53°	128.0	102.7	80.2	62.6	47.8	34.7	27.0	21.2	17.1	13.5	11.3
54°	101.8	79.8	59.9	46.0	35.6	26.1	21.2	16.7	13.5	11.3	9.5
55°	75.7	57.7	42.8	33.8	26.6	20.3	16.7	13.5	11.3	9.0	7.7
57.5°	31.1	24.8	20.3	16.7	14.0	11.3	9.5	8.1	6.8	5.4	4.5
60°	14.4	12.2	10.8	9.0	7.7	6.3	5.4	5.0	4.1	3.6	3.2
61°	11.3	9.5	8.1	7.2	6.3	5.0	4.5	4.1	3.6	3.2	2.7
62°	8.6	7.2	6.3	5.4	5.0	4.1	3.6	3.2	2.7	2.7	2.3
63°	6.3	5.4	5.0	4.5	4.1	3.6	3.2	2.7	2.7	2.3	2.3
64°	5.0	4.5	4.1	3.6	3.2	2.7	2.7	2.3	2.3	1.8	1.8
65°	3.6	3.6	3.2	2.7	2.7	2.3	2.3	2.3	1.8	1.8	1.8
66°	3.2	2.7	2.3	2.3	2.3	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE 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°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4
75°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4
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: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	105.4	105.0	101.8	100.5	98.7	96.4	94.6	93.3	91.0	89.2	87.4
5°	138.3	133.4	125.3	119.9	114.9	109.9	105.9	102.3	98.2	94.6	91.0
7.5°	199.6	182.9	162.7	147.3	134.7	123.5	115.4	108.6	102.3	96.9	90.6
10°	268.1	237.5	206.4	177.1	154.1	134.7	121.2	110.8	102.3	95.1	87.0
12.5°	331.2	286.1	240.6	201.4	167.6	141.0	122.6	109.5	99.6	90.6	81.1
15°	384.8	324.4	266.8	216.3	174.4	141.5	120.3	105.9	94.6	83.8	74.3
17.5°	418.6	342.0	274.0	215.8	169.9	134.3	113.1	99.1	86.5	75.7	66.7
20°	425.8	337.9	263.6	200.1	154.1	120.8	103.2	88.8	76.2	66.7	59.0
22.5°	407.8	315.0	236.1	173.0	132.0	106.8	91.9	78.0	67.6	59.9	53.6
25°	369.0	274.9	198.3	141.9	113.1	94.2	80.7	69.4	61.7	56.8	53.2
26°	348.8	255.0	181.1	130.7	106.8	89.7	77.1	67.1	60.8	57.2	54.5
27°	325.3	233.9	164.0	120.8	100.9	83.8	72.5	63.5	57.7	54.5	52.7
28°	299.6	211.3	147.8	111.7	93.7	76.6	66.2	57.7	51.8	48.2	45.1
29°	272.6	188.8	132.9	103.6	86.5	70.3	60.4	52.3	46.4	42.8	39.7
30°	244.2	167.2	120.3	96.4	79.3	64.4	55.4	47.8	42.4	38.8	35.6
31°	216.7	147.3	111.3	88.8	73.0	59.5	51.4	45.1	39.7	36.0	33.8
32°	189.3	130.7	102.7	81.6	67.1	55.9	47.8	42.4	37.9	34.7	32.9
33°	164.5	116.7	95.1	74.8	62.2	52.3	45.5	40.6	36.5	33.8	32.0
34°	142.4	107.2	86.5	68.0	57.2	48.2	41.9	37.4	33.3	31.1	28.8
35°	124.4	97.3	78.0	61.3	51.4	43.3	37.9	33.3	29.7	27.5	25.2
36°	110.4	87.4	69.4	54.5	46.0	39.2	33.8	29.7	26.6	24.3	22.5
37°	99.6	78.4	62.2	49.1	41.9	35.1	30.6	27.0	23.9	21.6	19.8
38°	89.7	69.8	55.9	44.6	37.9	32.0	27.5	24.8	21.6	19.4	17.6
39°	79.8	61.3	50.0	40.6	34.7	29.3	25.2	22.5	19.4	17.6	15.8
40°	70.7	55.0	45.1	36.5	31.5	26.1	23.0	20.3	17.6	15.8	14.0
42.5°	52.3	41.0	34.2	27.9	23.9	20.3	17.6	14.9	13.1	11.7	10.4
45°	37.4	29.7	24.8	20.3	17.1	14.4	12.2	10.8	9.5	8.6	7.7
47.5°	25.2	20.3	17.1	13.5	11.7	9.9	8.6	7.7	6.8	5.9	5.4
50°	16.2	13.1	11.3	9.0	7.7	6.8	5.9	5.0	4.5	4.1	4.1
51°	13.5	10.8	9.5	7.7	6.8	5.9	5.0	4.5	4.1	3.6	3.2
52°	11.3	9.0	7.7	6.3	5.4	5.0	4.1	3.6	3.2	3.2	3.2
53°	9.5	7.7	6.8	5.4	5.0	4.1	3.6	3.2	2.7	2.7	2.7
54°	7.7	6.3	5.4	4.5	4.1	3.6	3.2	2.7	2.7	2.3	2.3
55°	6.3	5.4	4.5	4.1	3.6	3.2	2.7	2.3	2.3	2.3	2.3
57.5°	4.1	3.6	3.2	2.7	2.3	2.3	1.8	1.8	1.8	1.8	1.8
60°	2.7	2.3	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
61°	2.3	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62°	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
63°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
64°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
66°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE 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°	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
82.5°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
85°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
87.5°	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	85.2	83.8	81.6	80.2	67.6	60.8	54.5	54.1
5°	87.0	83.4	79.8	76.6	55.9	46.4	40.1	39.2
7.5°	85.2	79.8	74.8	71.2	46.9	36.5	31.1	30.2
10°	80.2	74.3	68.5	64.0	40.1	31.1	26.1	25.2
12.5°	73.9	67.6	61.7	56.8	34.7	27.9	23.9	23.0
15°	66.7	60.4	55.4	50.9	32.0	25.7	23.0	22.1
17.5°	59.9	54.1	49.6	45.5	29.7	24.8	23.4	23.9
20°	53.2	48.7	44.6	41.5	30.6	29.3	33.8	37.9
22.5°	49.1	46.0	43.7	41.5	47.3	73.0	164.9	195.6
25°	51.4	50.9	52.3	55.4	96.9	122.6	108.1	109.5
26°	54.1	55.0	57.2	60.4	82.9	77.1	70.7	75.7
27°	52.3	52.7	52.3	51.8	54.5	54.1	56.8	61.7
28°	43.7	42.8	41.9	40.6	41.5	46.0	52.3	56.3
29°	37.9	36.9	35.6	34.2	36.0	44.6	50.5	53.2
30°	34.2	32.9	31.5	30.6	36.0	44.2	48.2	49.6
31°	32.0	31.1	30.2	30.2	36.5	41.9	44.2	44.6
32°	32.0	31.1	30.6	30.6	33.8	37.4	38.8	39.2
33°	31.1	30.2	28.8	28.4	29.7	32.4	33.8	33.8
34°	27.5	26.6	25.7	24.3	25.7	27.9	29.3	28.8
35°	23.9	23.0	22.1	21.2	22.1	24.3	24.8	24.3
36°	20.7	19.8	18.9	18.0	18.9	20.7	21.2	20.7
37°	18.5	17.6	16.7	15.8	15.8	18.0	18.5	17.6
38°	16.7	15.3	14.4	14.0	14.0	15.8	15.8	14.9
39°	14.9	14.0	13.1	12.2	12.2	13.5	13.5	12.6
40°	13.1	12.2	11.3	10.8	10.8	11.7	11.7	10.8
42.5°	9.5	9.0	8.6	8.1	8.1	9.0	8.6	7.7
45°	7.2	6.8	6.3	6.3	6.3	6.8	5.9	5.4
47.5°	5.0	5.0	4.5	4.5	4.5	5.0	4.5	4.1
50°	3.6	3.6	3.2	3.2	3.6	3.6	3.2	2.3
51°	3.2	3.2	3.2	2.7	3.2	3.2	2.7	2.3
52°	2.7	2.7	2.7	2.7	2.7	2.7	2.3	1.8
53°	2.3	2.3	2.3	2.3	2.3	2.3	1.8	1.4
54°	2.3	2.3	2.3	2.3	2.3	2.3	1.4	1.4
55°	2.3	2.3	2.3	2.3	2.3	1.8	1.4	0.9
57.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9
60°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.5
61°	1.8	1.8	1.8	1.8	2.3	1.8	0.9	0.5
62°	1.8	1.8	1.8	1.8	2.3	1.8	0.9	0.5
63°	1.8	1.8	1.8	1.8	2.3	1.8	0.9	0.5
64°	1.8	1.8	1.8	2.3	2.3	1.8	0.9	0.5
65°	1.8	1.8	2.3	2.3	2.3	1.8	0.9	0.5
66°	1.8	2.3	2.3	2.3	2.3	1.8	0.9	0.5



TEST NUMBER: P175571

CATALOG NUMBER: LDA6A20927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	1.8	2.3	2.3	2.3	2.3	1.8	1.4	0.9
75°	1.8	2.3	2.3	2.3	2.3	1.8	1.4	0.9
77.5°	2.3	2.3	2.3	2.3	2.3	1.8	1.4	0.9
80°	2.3	2.3	2.3	2.3	2.3	1.8	1.4	0.9
82.5°	2.3	2.3	2.3	2.3	2.3	1.8	1.4	0.9
85°	2.3	2.3	2.3	2.3	2.3	1.8	1.4	0.9
87.5°	2.3	2.3	2.3	2.3	2.3	1.8	0.9	0.5
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°	3.6	3.2	3.2	3.2	3.2	2.7	2.7	2.7	2.3	2.3	1.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.9





67.5°	1.8	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4





67.5°	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8





67.5°	1.8	2.3	2.3	2.3	2.3	1.8	0.9	0.9
70°	1.8	1.8	2.3	2.3	2.3	1.8	1.4	0.9



(END OF REPORT)