

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: P175574

Luminaire Tested: **LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175574
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: LDA6A20940D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1399.0 lumens
Efficiency: N/A
Efficacy: 48.0 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

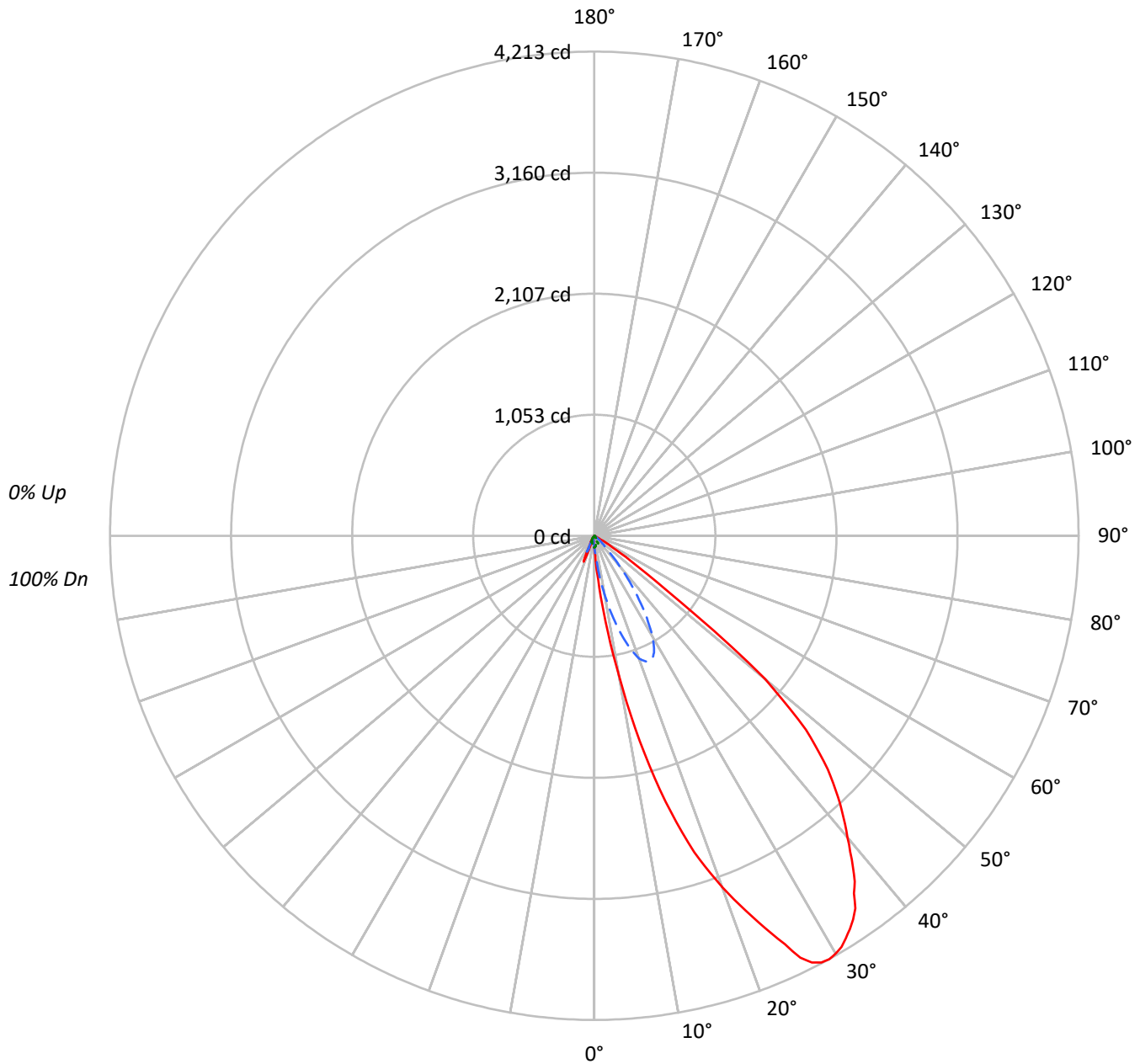
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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
1	112	109	106	103		110	107	104	101		103	100	98		99	97	95		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	85	83
3	98	90	84	79		96	88	83	78		86	81	77		83	79	75		81	77	74
4	91	82	75	69		89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	74	67	61		83	73	66	61		71	65	60		69	64	60		68	63	59
6	79	68	60	55		77	67	60	54		65	59	54		63	58	54		62	57	53
7	73	62	54	49		72	61	54	49		59	53	48		58	52	48		57	52	48
8	68	56	49	44		67	56	49	44		54	48	43		53	47	43		52	47	43
9	64	52	44	39		62	51	44	39		50	44	39		49	43	39		48	43	39
10	60	48	40	36		58	47	40	36		46	40	35		45	39	35		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5608	5608	5608
5°	21186	5255	2691
10°	68859	4442	1753
15°	136005	3604	1561
20°	189967	3016	2754
25°	237250	4180	8263
30°	265788	2418	3912
35°	264975	1767	2028
40°	245295	966	966
45°	222783	612	519
50°	165223	333	239
55°	40343	268	105
60°	7149	241	66
65°	1310	363	78
70°	272	449	176
75°	0	593	233
80°	0	884	347
85°	0	1761	692



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	1.4
10°-20°	157.8	11.3
20°-30°	383.1	27.4
30°-40°	452.3	32.3
40°-50°	320.8	22.9
50°-60°	58.2	4.2
60°-70°	3.7	0.3
70°-80°	1.9	0.1
80°-90°	1.7	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°	560.4	40.1
0°-40°	1012.7	72.4
0°-60°	1391.7	99.5
0°-90°	1399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	385	220	96	58	49	64
15°	2396	872	64	32	28	693
25°	3922	1182	69	153	137	1805
35°	3959	678	26	30	30	2439
45°	2874	129	8	8	7	2158
55°	422	17	3	2	1	548
65°	10	3	3	2	1	16
75°	0	2	3	2	1	0
85°	0	2	3	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3
2.5°	171.4	167.5	167.5	169.2	169.7	166.4	166.4	161.9	159.6	160.2	155.7
5°	385.0	392.8	377.1	379.4	377.7	367.0	362.5	347.3	337.2	332.2	315.9
7.5°	752.0	740.2	716.6	717.7	711.5	694.1	679.5	653.1	630.6	614.3	584.5
10°	1237.0	1240.4	1202.7	1199.3	1184.7	1151.6	1119.0	1067.8	1021.7	985.8	930.7
12.5°	1830.5	1796.2	1782.7	1773.2	1749.6	1704.0	1653.4	1582.6	1512.4	1452.2	1367.4
15°	2396.4	2377.3	2357.1	2340.8	2311.0	2253.7	2190.2	2101.4	2009.8	1930.5	1823.2
17.5°	2885.4	2862.3	2838.2	2819.1	2766.8	2726.3	2640.9	2567.3	2462.7	2368.3	2239.1
20°	3256.3	3244.0	3215.8	3189.4	3133.8	3081.0	2992.2	2908.4	2792.7	2672.9	2549.3
22.5°	3584.5	3566.0	3530.6	3490.7	3421.0	3351.3	3249.0	3155.7	3029.3	2901.7	2768.5
25°	3922.3	3913.9	3859.9	3795.8	3697.5	3599.1	3471.6	3356.4	3213.6	3079.3	2924.2
26°	4085.8	4047.6	3992.6	3917.8	3802.0	3682.9	3544.6	3418.2	3265.9	3118.6	2963.5
27°	4167.3	4137.6	4089.2	4013.3	3892.5	3752.0	3599.7	3463.7	3302.4	3150.1	2989.4
28°	4205.0	4179.7	4139.8	4069.6	3952.1	3794.2	3634.0	3490.1	3322.1	3164.7	2998.9
29°	4213.4	4193.8	4158.9	4094.3	3984.1	3822.8	3652.0	3501.9	3330.5	3169.8	3001.2
30°	4198.8	4187.6	4160.6	4098.8	3992.6	3831.3	3655.3	3501.9	3328.3	3164.7	2992.2
31°	4174.6	4167.9	4145.4	4087.5	3984.1	3820.6	3642.4	3488.4	3313.6	3148.4	2971.9
32°	4129.1	4135.3	4116.8	4060.0	3957.7	3793.0	3617.1	3464.8	3289.5	3122.6	2941.0
33°	4080.8	4096.0	4079.1	4017.8	3912.2	3748.6	3579.5	3431.1	3255.2	3086.6	2900.6
34°	4028.0	4045.4	4024.0	3954.9	3845.9	3687.9	3528.3	3384.5	3209.7	3040.5	2847.7
35°	3959.4	3974.0	3945.9	3872.8	3761.6	3612.1	3464.8	3324.3	3151.8	2979.8	2782.5
36°	3844.2	3879.6	3850.4	3775.1	3666.0	3529.5	3392.9	3256.3	3085.5	2912.9	2711.2
37°	3766.6	3773.4	3744.7	3668.3	3567.7	3446.3	3317.0	3183.8	3015.2	2838.2	2633.0
38°	3654.8	3657.6	3628.9	3557.6	3470.4	3359.2	3235.5	3105.7	2937.1	2757.2	2545.9
39°	3537.9	3537.3	3511.5	3450.2	3372.7	3266.4	3146.7	3019.1	2848.3	2664.0	2444.2
40°	3427.7	3426.0	3403.6	3347.4	3272.1	3169.2	3051.7	2923.6	2749.4	2560.5	2331.8
42.5°	3167.0	3155.7	3133.2	3078.2	3006.2	2904.5	2782.0	2643.7	2458.8	2245.8	1987.3
45°	2873.6	2849.4	2825.8	2762.3	2681.4	2572.3	2434.6	2277.8	2071.0	1837.8	1569.1
47.5°	2498.2	2465.6	2442.5	2370.0	2277.8	2155.3	1998.0	1827.1	1609.0	1359.0	1084.7
50°	1937.3	1864.8	1840.6	1726.5	1602.3	1443.8	1246.0	1048.2	828.4	623.8	436.7
51°	1538.8	1457.9	1434.3	1317.4	1197.1	1051.0	871.1	703.6	532.8	393.4	292.2
52°	1124.6	1049.3	1027.9	922.3	821.1	703.6	569.9	459.7	363.6	293.9	236.0
53°	776.1	727.2	708.1	637.3	570.4	495.1	414.2	347.3	285.5	236.0	192.8
54°	572.7	539.5	524.4	473.2	424.9	372.1	316.4	270.9	228.2	191.6	155.7
55°	422.1	397.3	386.7	351.3	319.8	283.8	246.7	214.1	181.0	150.6	118.0
57.5°	191.1	178.7	174.2	159.1	146.7	136.0	110.7	92.7	75.3	60.7	47.2
60°	65.2	60.1	58.4	52.8	49.5	46.1	38.8	33.2	28.7	24.7	20.8
61°	41.6	38.8	37.7	34.8	33.2	31.5	27.0	23.6	20.8	18.5	15.7
62°	28.1	26.4	25.9	24.2	23.0	22.5	19.7	17.4	15.2	13.5	11.8
63°	19.7	18.5	18.5	17.4	16.9	16.3	14.1	12.9	11.2	10.1	9.0
64°	14.1	13.5	12.9	12.4	11.8	11.8	10.1	9.6	8.4	7.9	6.7
65°	10.1	9.6	9.6	9.0	9.0	8.4	7.9	6.7	6.2	5.6	5.1
66°	7.3	6.7	6.7	6.7	6.2	6.2	5.6	5.1	4.5	4.5	3.9



TEST NUMBER: P175574

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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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3
2.5°	156.8	152.9	151.7	150.6	148.9	147.2	142.2	141.1	139.9	135.4	134.3
5°	311.4	295.6	285.5	274.8	263.6	250.7	229.9	220.3	210.2	192.8	184.3
7.5°	567.1	535.0	509.2	482.8	456.4	425.4	385.0	360.8	335.0	300.7	277.6
10°	889.1	830.1	779.5	730.6	683.4	629.5	576.6	523.8	478.8	425.4	382.2
12.5°	1294.3	1198.2	1115.0	1033.0	952.1	865.5	781.2	699.1	619.3	548.5	481.6
15°	1727.1	1602.9	1486.5	1369.6	1247.1	1117.3	990.3	871.7	758.7	659.8	569.3
17.5°	2096.3	1955.3	1806.3	1660.8	1504.5	1330.3	1174.6	1021.7	876.7	749.2	632.8
20°	2395.3	2234.6	2058.1	1885.0	1693.9	1507.3	1320.7	1138.6	954.9	799.2	658.7
22.5°	2609.4	2438.6	2245.8	2049.1	1831.0	1615.8	1399.4	1185.3	978.5	802.0	645.8
25°	2753.3	2567.3	2358.2	2140.2	1896.8	1659.6	1416.8	1182.5	956.5	768.3	602.5
26°	2787.6	2597.1	2382.4	2155.9	1906.4	1663.0	1408.4	1166.7	935.8	743.5	576.1
27°	2809.5	2613.4	2393.1	2159.8	1905.8	1666.9	1389.3	1142.0	906.5	713.2	545.7
28°	2817.4	2617.3	2392.5	2152.0	1892.9	1628.2	1359.5	1106.6	874.5	676.7	510.9
29°	2816.3	2612.2	2381.3	2132.8	1868.7	1595.6	1318.5	1062.8	830.7	635.6	473.2
30°	2805.0	2595.4	2358.2	2100.8	1832.2	1550.0	1265.7	1009.9	782.3	590.7	432.2
31°	2782.0	2566.7	2321.1	2053.6	1781.6	1492.1	1203.8	950.4	728.9	542.3	390.0
32°	2747.1	2525.7	2271.1	1995.2	1719.8	1424.7	1134.1	877.3	672.2	492.9	353.5
33°	2702.2	2473.4	2211.0	1926.6	1650.1	1347.1	1057.2	826.2	614.3	442.9	305.7
34°	2644.8	2409.9	2137.9	1847.3	1569.1	1261.2	977.3	748.0	555.8	392.3	269.8
35°	2576.3	2333.5	2054.7	1759.7	1479.2	1167.9	904.8	678.4	496.3	341.7	229.3
36°	2499.3	2248.6	1961.4	1665.3	1380.9	1072.9	822.2	608.7	437.2	292.2	193.3
37°	2415.0	2155.3	1862.5	1561.8	1275.2	974.5	739.6	540.1	379.4	245.0	164.7
38°	2320.0	2050.8	1752.9	1447.8	1162.2	876.7	658.1	471.5	321.5	202.9	143.9
39°	2209.8	1931.6	1633.8	1321.9	1046.5	778.4	577.8	404.1	267.0	169.2	128.1
40°	2087.3	1805.2	1503.4	1188.7	929.6	682.8	499.1	338.9	218.1	146.1	114.7
42.5°	1727.6	1434.8	1131.9	873.9	657.6	464.2	319.8	202.9	141.1	108.5	84.3
45°	1302.8	1028.5	781.8	588.4	427.7	278.2	182.1	129.3	100.0	75.3	59.0
47.5°	852.6	640.7	455.8	316.4	214.1	142.8	111.3	84.3	65.2	50.0	39.9
50°	321.5	237.2	184.3	147.2	116.3	88.2	69.7	53.4	41.0	31.5	25.3
51°	237.7	191.6	151.2	120.8	96.1	73.1	56.8	42.2	32.6	25.3	20.8
52°	195.0	157.4	124.2	98.9	78.1	56.8	43.8	33.2	26.4	20.8	16.9
53°	159.6	128.1	100.0	78.1	59.6	43.3	33.7	26.4	21.4	16.9	14.1
54°	127.0	99.5	74.7	57.3	44.4	32.6	26.4	20.8	16.9	14.1	11.8
55°	94.4	71.9	53.4	42.2	33.2	25.3	20.8	16.9	14.1	11.2	9.6
57.5°	38.8	30.9	25.3	20.8	17.4	14.1	11.8	10.1	8.4	6.7	5.6
60°	18.0	15.2	13.5	11.2	9.6	7.9	6.7	6.2	5.1	4.5	3.9
61°	14.1	11.8	10.1	9.0	7.9	6.2	5.6	5.1	4.5	3.9	3.4
62°	10.7	9.0	7.9	6.7	6.2	5.1	4.5	3.9	3.4	3.4	2.8
63°	7.9	6.7	6.2	5.6	5.1	4.5	3.9	3.4	3.4	2.8	2.8
64°	6.2	5.6	5.1	4.5	3.9	3.4	3.4	2.8	2.8	2.2	2.2
65°	4.5	4.5	3.9	3.4	3.4	2.8	2.8	2.8	2.2	2.2	2.2
66°	3.9	3.4	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE 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°	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
82.5°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7
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: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3
2.5°	131.5	130.9	127.0	125.3	123.1	120.3	118.0	116.3	113.5	111.3	109.0
5°	172.5	166.4	156.2	149.5	143.3	137.1	132.1	127.6	122.5	118.0	113.5
7.5°	249.0	228.2	202.9	183.8	168.0	154.0	143.9	135.4	127.6	120.8	113.0
10°	334.4	296.2	257.4	220.9	192.2	168.0	151.2	138.3	127.6	118.6	108.5
12.5°	413.1	356.9	300.1	251.2	209.1	175.9	152.9	136.6	124.2	113.0	101.2
15°	480.0	404.7	332.7	269.8	217.5	176.5	150.1	132.1	118.0	104.5	92.7
17.5°	522.1	426.6	341.7	269.2	211.9	167.5	141.1	123.6	107.9	94.4	83.2
20°	531.1	421.5	328.8	249.5	192.2	150.6	128.7	110.7	95.0	83.2	73.6
22.5°	508.6	392.8	294.5	215.8	164.7	133.2	114.7	97.2	84.3	74.7	66.9
25°	460.3	342.8	247.3	177.0	141.1	117.5	100.6	86.6	77.0	70.8	66.3
26°	435.0	318.1	225.9	163.0	133.2	111.8	96.1	83.7	75.9	71.4	68.0
27°	405.8	291.7	204.6	150.6	125.9	104.5	90.5	79.2	71.9	68.0	65.8
28°	373.7	263.6	184.3	139.4	116.9	95.5	82.6	71.9	64.6	60.1	56.2
29°	340.0	235.5	165.8	129.3	107.9	87.7	75.3	65.2	57.9	53.4	49.5
30°	304.6	208.5	150.1	120.3	98.9	80.4	69.1	59.6	52.8	48.3	44.4
31°	270.3	183.8	138.8	110.7	91.0	74.2	64.1	56.2	49.5	45.0	42.2
32°	236.0	163.0	128.1	101.7	83.7	69.7	59.6	52.8	47.2	43.3	41.0
33°	205.1	145.6	118.6	93.3	77.6	65.2	56.8	50.6	45.5	42.2	39.9
34°	177.6	133.8	107.9	84.9	71.4	60.1	52.3	46.6	41.6	38.8	36.0
35°	155.1	121.4	97.2	76.4	64.1	54.0	47.2	41.6	37.1	34.3	31.5
36°	137.7	109.0	86.6	68.0	57.3	48.9	42.2	37.1	33.2	30.3	28.1
37°	124.2	97.8	77.6	61.3	52.3	43.8	38.2	33.7	29.8	27.0	24.7
38°	111.8	87.1	69.7	55.6	47.2	39.9	34.3	30.9	27.0	24.2	21.9
39°	99.5	76.4	62.4	50.6	43.3	36.5	31.5	28.1	24.2	21.9	19.7
40°	88.2	68.6	56.2	45.5	39.3	32.6	28.7	25.3	21.9	19.7	17.4
42.5°	65.2	51.1	42.7	34.8	29.8	25.3	21.9	18.5	16.3	14.6	12.9
45°	46.6	37.1	30.9	25.3	21.4	18.0	15.2	13.5	11.8	10.7	9.6
47.5°	31.5	25.3	21.4	16.9	14.6	12.4	10.7	9.6	8.4	7.3	6.7
50°	20.2	16.3	14.1	11.2	9.6	8.4	7.3	6.2	5.6	5.1	5.1
51°	16.9	13.5	11.8	9.6	8.4	7.3	6.2	5.6	5.1	4.5	3.9
52°	14.1	11.2	9.6	7.9	6.7	6.2	5.1	4.5	3.9	3.9	3.9
53°	11.8	9.6	8.4	6.7	6.2	5.1	4.5	3.9	3.4	3.4	3.4
54°	9.6	7.9	6.7	5.6	5.1	4.5	3.9	3.4	3.4	2.8	2.8
55°	7.9	6.7	5.6	5.1	4.5	3.9	3.4	2.8	2.8	2.8	2.8
57.5°	5.1	4.5	3.9	3.4	2.8	2.8	2.2	2.2	2.2	2.2	2.2
60°	3.4	2.8	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
61°	2.8	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
62°	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
63°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
64°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
66°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE 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°	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
82.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
85°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
87.5°	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3
2.5°	106.2	104.5	101.7	100.0	84.3	75.9	68.0	67.4
5°	108.5	104.0	99.5	95.5	69.7	57.9	50.0	48.9
7.5°	106.2	99.5	93.3	88.8	58.4	45.5	38.8	37.7
10°	100.0	92.7	85.4	79.8	50.0	38.8	32.6	31.5
12.5°	92.2	84.3	77.0	70.8	43.3	34.8	29.8	28.7
15°	83.2	75.3	69.1	63.5	39.9	32.0	28.7	27.5
17.5°	74.7	67.4	61.8	56.8	37.1	30.9	29.2	29.8
20°	66.3	60.7	55.6	51.7	38.2	36.5	42.2	47.2
22.5°	61.3	57.3	54.5	51.7	59.0	91.0	205.7	243.9
25°	64.1	63.5	65.2	69.1	120.8	152.9	134.9	136.6
26°	67.4	68.6	71.4	75.3	103.4	96.1	88.2	94.4
27°	65.2	65.8	65.2	64.6	68.0	67.4	70.8	77.0
28°	54.5	53.4	52.3	50.6	51.7	57.3	65.2	70.3
29°	47.2	46.1	44.4	42.7	45.0	55.6	62.9	66.3
30°	42.7	41.0	39.3	38.2	45.0	55.1	60.1	61.8
31°	39.9	38.8	37.7	37.7	45.5	52.3	55.1	55.6
32°	39.9	38.8	38.2	38.2	42.2	46.6	48.3	48.9
33°	38.8	37.7	36.0	35.4	37.1	40.5	42.2	42.2
34°	34.3	33.2	32.0	30.3	32.0	34.8	36.5	36.0
35°	29.8	28.7	27.5	26.4	27.5	30.3	30.9	30.3
36°	25.9	24.7	23.6	22.5	23.6	25.9	26.4	25.9
37°	23.0	21.9	20.8	19.7	19.7	22.5	23.0	21.9
38°	20.8	19.1	18.0	17.4	17.4	19.7	19.7	18.5
39°	18.5	17.4	16.3	15.2	15.2	16.9	16.9	15.7
40°	16.3	15.2	14.1	13.5	13.5	14.6	14.6	13.5
42.5°	11.8	11.2	10.7	10.1	10.1	11.2	10.7	9.6
45°	9.0	8.4	7.9	7.9	7.9	8.4	7.3	6.7
47.5°	6.2	6.2	5.6	5.6	5.6	6.2	5.6	5.1
50°	4.5	4.5	3.9	3.9	4.5	4.5	3.9	2.8
51°	3.9	3.9	3.9	3.4	3.9	3.9	3.4	2.8
52°	3.4	3.4	3.4	3.4	3.4	3.4	2.8	2.2
53°	2.8	2.8	2.8	2.8	2.8	2.8	2.2	1.7
54°	2.8	2.8	2.8	2.8	2.8	2.8	1.7	1.7
55°	2.8	2.8	2.8	2.8	2.8	2.2	1.7	1.1
57.5°	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1
60°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	0.6
61°	2.2	2.2	2.2	2.2	2.8	2.2	1.1	0.6
62°	2.2	2.2	2.2	2.2	2.8	2.2	1.1	0.6
63°	2.2	2.2	2.2	2.2	2.8	2.2	1.1	0.6
64°	2.2	2.2	2.2	2.8	2.8	2.2	1.1	0.6
65°	2.2	2.2	2.8	2.8	2.8	2.2	1.1	0.6
66°	2.2	2.8	2.8	2.8	2.8	2.2	1.1	0.6



TEST NUMBER: P175574

CATALOG NUMBER: LDA6A20940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.2	2.8	2.8	2.8	2.8	2.2	1.7	1.1
75°	2.2	2.8	2.8	2.8	2.8	2.2	1.7	1.1
77.5°	2.8	2.8	2.8	2.8	2.8	2.2	1.7	1.1
80°	2.8	2.8	2.8	2.8	2.8	2.2	1.7	1.1
82.5°	2.8	2.8	2.8	2.8	2.8	2.2	1.7	1.1
85°	2.8	2.8	2.8	2.8	2.8	2.2	1.7	1.1
87.5°	2.8	2.8	2.8	2.8	2.8	2.2	1.1	0.6
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°	4.5	3.9	3.9	3.9	3.9	3.4	3.4	3.4	2.8	2.8	2.2
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.1





67.5°	2.2	2.2	2.2	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7





67.5°	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2





67.5°	2.2	2.8	2.8	2.8	2.8	2.2	1.1	1.1
70°	2.2	2.2	2.8	2.8	2.8	2.2	1.7	1.1



(END OF REPORT)