

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: P175585

Luminaire Tested: **LDA6A15835D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175585
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: LDA6A15835D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1283.0 lumens
Efficiency: N/A
Efficacy: 57.6 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

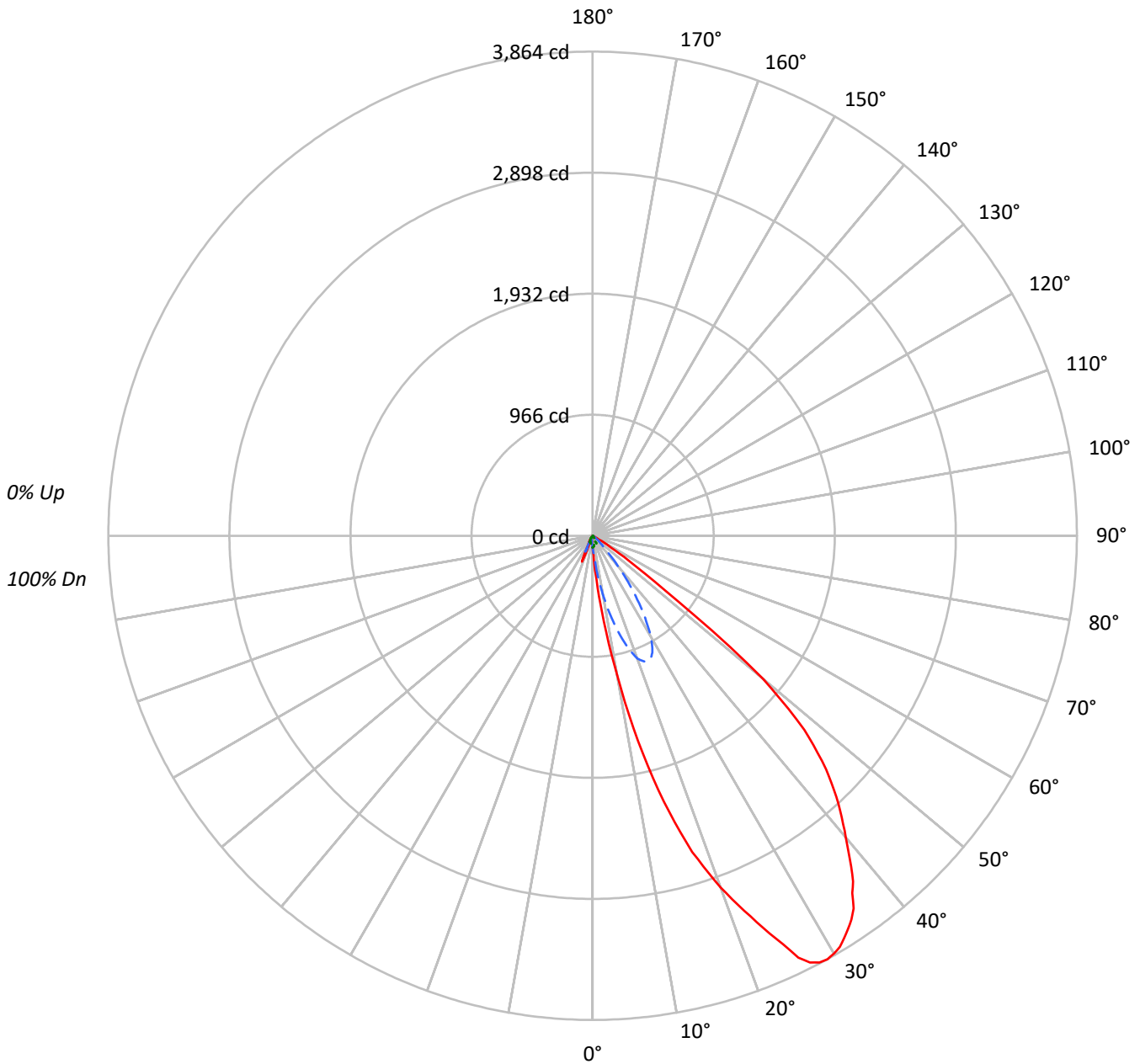
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5142	5142	5142
5°	19425	4821	2465
10°	63147	4075	1609
15°	124728	3303	1436
20°	174210	2765	2526
25°	217573	3835	7573
30°	243740	2216	3589
35°	242998	1620	1860
40°	224950	887	887
45°	204300	558	481
50°	151517	307	222
55°	36997	248	96
60°	6556	230	55
65°	1206	337	65
70°	240	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°	17.9	1.4
10°-20°	144.7	11.3
20°-30°	351.3	27.4
30°-40°	414.7	32.3
40°-50°	294.2	22.9
50°-60°	53.4	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°	513.9	40.1
0°-40°	928.7	72.4
0°-60°	1276.2	99.5
0°-90°	1283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	353	202	88	53	45	59
15°	2198	799	58	29	25	635
25°	3597	1084	63	140	125	1655
35°	3631	622	24	28	28	2237
45°	2635	118	7	8	6	1979
55°	387	16	3	2	1	502
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	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2.5°	157.2	153.6	153.6	155.1	155.6	152.6	152.6	148.4	146.4	146.9	142.8
5°	353.0	360.3	345.8	347.9	346.3	336.6	332.4	318.5	309.2	304.6	289.7
7.5°	689.6	678.8	657.1	658.2	652.5	636.5	623.1	598.9	578.3	563.3	536.0
10°	1134.4	1137.5	1102.9	1099.9	1086.5	1056.0	1026.2	979.3	937.0	904.0	853.5
12.5°	1678.6	1647.2	1634.8	1626.1	1604.4	1562.7	1516.3	1451.4	1386.9	1331.8	1254.0
15°	2197.7	2180.1	2161.6	2146.6	2119.3	2066.7	2008.5	1927.1	1843.1	1770.4	1671.9
17.5°	2646.0	2624.9	2602.8	2585.2	2537.3	2500.2	2421.9	2354.3	2258.5	2171.9	2053.3
20°	2986.2	2974.9	2949.1	2924.9	2873.9	2825.4	2744.0	2667.2	2561.0	2451.2	2337.8
22.5°	3287.2	3270.2	3237.7	3201.1	3137.2	3073.3	2979.5	2894.0	2778.0	2661.0	2538.8
25°	3597.0	3589.2	3539.7	3481.0	3390.8	3300.6	3183.6	3078.0	2947.0	2823.9	2681.6
26°	3746.9	3711.9	3661.4	3592.8	3486.7	3377.4	3250.6	3134.6	2995.0	2859.9	2717.7
27°	3821.7	3794.4	3750.0	3680.5	3569.6	3440.8	3301.1	3176.4	3028.5	2888.8	2741.4
28°	3856.2	3833.0	3796.4	3732.0	3624.3	3479.4	3332.6	3200.6	3046.5	2902.2	2750.2
29°	3863.9	3845.9	3813.9	3754.7	3653.7	3505.7	3349.1	3211.4	3054.2	2906.8	2752.2
30°	3850.5	3840.2	3815.5	3758.8	3661.4	3513.5	3352.1	3211.4	3052.2	2902.2	2744.0
31°	3828.4	3822.2	3801.6	3748.5	3653.7	3503.7	3340.3	3199.1	3038.8	2887.3	2725.4
32°	3786.6	3792.3	3775.3	3723.2	3629.4	3478.4	3317.1	3177.4	3016.6	2863.5	2697.1
33°	3742.3	3756.2	3740.8	3684.6	3587.7	3437.7	3282.6	3146.5	2985.2	2830.6	2660.0
34°	3693.9	3709.8	3690.2	3626.8	3526.9	3382.0	3235.7	3103.7	2943.4	2788.3	2611.5
35°	3631.0	3644.4	3618.6	3551.6	3449.6	3312.5	3177.4	3048.6	2890.3	2732.6	2551.7
36°	3525.3	3557.8	3531.0	3461.9	3361.9	3236.7	3111.5	2986.2	2829.5	2671.3	2486.3
37°	3454.2	3460.4	3434.1	3364.0	3271.7	3160.4	3041.9	2919.7	2765.1	2602.8	2414.6
38°	3351.6	3354.2	3327.9	3262.5	3182.6	3080.5	2967.1	2848.1	2693.5	2528.5	2334.7
39°	3244.4	3243.9	3220.2	3164.0	3092.9	2995.5	2885.7	2768.7	2612.0	2443.0	2241.5
40°	3143.4	3141.9	3121.2	3069.7	3000.6	2906.3	2798.6	2681.1	2521.3	2348.1	2138.4
42.5°	2904.3	2894.0	2873.3	2822.8	2756.9	2663.6	2551.2	2424.4	2254.9	2059.5	1822.4
45°	2635.2	2613.1	2591.4	2533.2	2459.0	2359.0	2232.7	2088.9	1899.2	1685.3	1439.0
47.5°	2290.9	2261.0	2239.9	2173.4	2088.9	1976.5	1832.2	1675.6	1475.6	1246.2	994.7
50°	1776.6	1710.1	1687.9	1583.3	1469.4	1324.1	1142.6	961.2	759.7	572.1	400.5
51°	1411.2	1336.9	1315.3	1208.1	1097.8	963.8	798.9	645.3	488.6	360.8	268.0
52°	1031.3	962.2	942.7	845.8	753.0	645.3	522.6	421.6	333.5	269.6	216.5
53°	711.8	666.9	649.4	584.5	523.1	454.1	379.8	318.5	261.8	216.5	176.8
54°	525.2	494.8	480.9	434.0	389.6	341.2	290.2	248.4	209.3	175.8	142.8
55°	387.1	364.4	354.6	322.1	293.3	260.3	226.3	196.4	166.0	138.1	108.2
57.5°	175.2	163.9	159.8	145.9	134.5	124.7	101.5	85.0	69.1	55.7	43.3
60°	59.8	55.1	53.6	48.4	45.4	42.3	35.6	30.4	26.3	22.7	19.1
61°	38.1	35.6	34.5	32.0	30.4	28.9	24.7	21.6	19.1	17.0	14.4
62°	25.8	24.2	23.7	22.2	21.1	20.6	18.0	16.0	13.9	12.4	10.8
63°	18.0	17.0	17.0	16.0	15.5	14.9	12.9	11.9	10.3	9.3	8.2
64°	12.9	12.4	11.9	11.3	10.8	10.8	9.3	8.8	7.7	7.2	6.2
65°	9.3	8.8	8.8	8.2	8.2	7.7	7.2	6.2	5.7	5.2	4.6
66°	6.7	6.2	6.2	6.2	5.7	5.7	5.2	4.6	4.1	4.1	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°	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2.5°	143.8	140.2	139.2	138.1	136.6	135.0	130.4	129.4	128.3	124.2	123.2
5°	285.5	271.1	261.8	252.0	241.7	229.9	210.8	202.0	192.8	176.8	169.1
7.5°	520.0	490.7	466.9	442.7	418.5	390.2	353.0	330.9	307.2	275.7	254.6
10°	815.4	761.2	714.9	670.0	626.7	577.2	528.8	480.4	439.1	390.2	350.5
12.5°	1187.0	1098.8	1022.5	947.3	873.1	793.7	716.4	641.2	568.0	503.0	441.7
15°	1583.8	1469.9	1363.2	1256.0	1143.7	1024.6	908.1	799.4	695.8	605.1	522.1
17.5°	1922.4	1793.1	1656.5	1523.0	1379.7	1219.9	1077.2	937.0	804.0	687.0	580.3
20°	2196.6	2049.2	1887.4	1728.6	1553.4	1382.3	1211.2	1044.2	875.7	732.9	604.0
22.5°	2393.0	2236.3	2059.5	1879.1	1679.2	1481.8	1283.3	1087.0	897.3	735.5	592.2
25°	2524.9	2354.3	2162.6	1962.6	1739.5	1522.0	1299.3	1084.4	877.2	704.5	552.5
26°	2556.4	2381.7	2184.8	1977.1	1748.2	1525.1	1291.6	1070.0	858.1	681.9	528.3
27°	2576.5	2396.6	2194.6	1980.7	1747.7	1528.7	1274.1	1047.3	831.3	654.0	500.5
28°	2583.7	2400.2	2194.0	1973.5	1735.9	1493.1	1246.7	1014.8	802.0	620.5	468.5
29°	2582.7	2395.6	2183.7	1955.9	1713.7	1463.2	1209.1	974.6	761.8	582.9	434.0
30°	2572.3	2380.1	2162.6	1926.6	1680.2	1421.5	1160.7	926.2	717.4	541.7	396.3
31°	2551.2	2353.8	2128.6	1883.3	1633.8	1368.4	1104.0	871.5	668.5	497.4	357.7
32°	2519.3	2316.2	2082.7	1829.7	1577.1	1306.5	1040.1	804.5	616.4	452.0	324.2
33°	2478.0	2268.3	2027.6	1766.8	1513.2	1235.4	969.5	757.6	563.3	406.1	280.4
34°	2425.5	2210.0	1960.6	1694.1	1439.0	1156.6	896.3	686.0	509.7	359.7	247.4
35°	2362.6	2139.9	1884.3	1613.7	1356.5	1071.0	829.8	622.1	455.1	313.4	210.3
36°	2292.0	2062.1	1798.7	1527.1	1266.3	983.9	754.0	558.2	401.0	268.0	177.3
37°	2214.7	1976.5	1708.0	1432.3	1169.4	893.7	678.3	495.3	347.9	224.7	151.0
38°	2127.6	1880.7	1607.5	1327.7	1065.8	804.0	603.5	432.4	294.8	186.1	131.9
39°	2026.5	1771.4	1498.3	1212.2	959.7	713.8	529.8	370.6	244.8	155.1	117.5
40°	1914.2	1655.5	1378.7	1090.1	852.5	626.2	457.7	310.8	200.0	134.0	105.1
42.5°	1584.3	1315.8	1038.0	801.4	603.0	425.7	293.3	186.1	129.4	99.5	77.3
45°	1194.7	943.2	716.9	539.6	392.2	255.1	167.0	118.5	91.7	69.1	54.1
47.5°	781.9	587.6	418.0	290.2	196.4	130.9	102.0	77.3	59.8	45.9	36.6
50°	294.8	217.5	169.1	135.0	106.7	80.9	63.9	49.0	37.6	28.9	23.2
51°	218.0	175.8	138.6	110.8	88.1	67.0	52.1	38.7	29.9	23.2	19.1
52°	178.8	144.3	113.9	90.7	71.6	52.1	40.2	30.4	24.2	19.1	15.5
53°	146.4	117.5	91.7	71.6	54.6	39.7	30.9	24.2	19.6	15.5	12.9
54°	116.5	91.2	68.5	52.6	40.7	29.9	24.2	19.1	15.5	12.9	10.8
55°	86.6	66.0	49.0	38.7	30.4	23.2	19.1	15.5	12.9	10.3	8.8
57.5°	35.6	28.3	23.2	19.1	16.0	12.9	10.8	9.3	7.7	6.2	5.2
60°	16.5	13.9	12.4	10.3	8.8	7.2	6.2	5.7	4.6	4.1	3.6
61°	12.9	10.8	9.3	8.2	7.2	5.7	5.2	4.6	4.1	3.6	3.1
62°	9.8	8.2	7.2	6.2	5.7	4.6	4.1	3.6	3.1	3.1	2.6
63°	7.2	6.2	5.7	5.2	4.6	4.1	3.6	3.1	3.1	2.6	2.6
64°	5.7	5.2	4.6	4.1	3.6	3.1	3.1	2.6	2.6	2.1	2.1
65°	4.1	4.1	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: LDA6A15835D010TE 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	1.5	1.5	1.5	1.5	1.5
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2.5°	120.6	120.1	116.5	114.9	112.9	110.3	108.2	106.7	104.1	102.0	100.0
5°	158.2	152.6	143.3	137.1	131.4	125.8	121.1	117.0	112.4	108.2	104.1
7.5°	228.3	209.3	186.1	168.5	154.1	141.2	131.9	124.2	117.0	110.8	103.6
10°	306.7	271.6	236.1	202.6	176.3	154.1	138.6	126.8	117.0	108.7	99.5
12.5°	378.8	327.3	275.2	230.4	191.7	161.3	140.2	125.2	113.9	103.6	92.8
15°	440.1	371.1	305.1	247.4	199.5	161.8	137.6	121.1	108.2	95.9	85.0
17.5°	478.8	391.2	313.4	246.9	194.3	153.6	129.4	113.4	99.0	86.6	76.3
20°	487.1	386.5	301.5	228.8	176.3	138.1	118.0	101.5	87.1	76.3	67.5
22.5°	466.4	360.3	270.1	197.9	151.0	122.1	105.1	89.2	77.3	68.5	61.3
25°	422.1	314.4	226.8	162.4	129.4	107.7	92.3	79.4	70.6	64.9	60.8
26°	398.9	291.7	207.2	149.5	122.1	102.6	88.1	76.8	69.6	65.5	62.4
27°	372.1	267.5	187.6	138.1	115.4	95.9	83.0	72.7	66.0	62.4	60.3
28°	342.7	241.7	169.1	127.8	107.2	87.6	75.8	66.0	59.3	55.1	51.5
29°	311.8	216.0	152.0	118.5	99.0	80.4	69.1	59.8	53.1	49.0	45.4
30°	279.3	191.2	137.6	110.3	90.7	73.7	63.4	54.6	48.4	44.3	40.7
31°	247.9	168.5	127.3	101.5	83.5	68.0	58.8	51.5	45.4	41.2	38.7
32°	216.5	149.5	117.5	93.3	76.8	63.9	54.6	48.4	43.3	39.7	37.6
33°	188.1	133.5	108.7	85.6	71.1	59.8	52.1	46.4	41.7	38.7	36.6
34°	162.9	122.7	99.0	77.8	65.5	55.1	47.9	42.8	38.1	35.6	33.0
35°	142.2	111.3	89.2	70.1	58.8	49.5	43.3	38.1	34.0	31.4	28.9
36°	126.3	100.0	79.4	62.4	52.6	44.8	38.7	34.0	30.4	27.8	25.8
37°	113.9	89.7	71.1	56.2	47.9	40.2	35.0	30.9	27.3	24.7	22.7
38°	102.6	79.9	63.9	51.0	43.3	36.6	31.4	28.3	24.7	22.2	20.1
39°	91.2	70.1	57.2	46.4	39.7	33.5	28.9	25.8	22.2	20.1	18.0
40°	80.9	62.9	51.5	41.7	36.1	29.9	26.3	23.2	20.1	18.0	16.0
42.5°	59.8	46.9	39.2	32.0	27.3	23.2	20.1	17.0	14.9	13.4	11.9
45°	42.8	34.0	28.3	23.2	19.6	16.5	13.9	12.4	10.8	9.8	8.8
47.5°	28.9	23.2	19.6	15.5	13.4	11.3	9.8	8.8	7.7	6.7	6.2
50°	18.6	14.9	12.9	10.3	8.8	7.7	6.7	5.7	5.2	4.6	4.6
51°	15.5	12.4	10.8	8.8	7.7	6.7	5.7	5.2	4.6	4.1	3.6
52°	12.9	10.3	8.8	7.2	6.2	5.7	4.6	4.1	3.6	3.6	3.6
53°	10.8	8.8	7.7	6.2	5.7	4.6	4.1	3.6	3.1	3.1	3.1
54°	8.8	7.2	6.2	5.2	4.6	4.1	3.6	3.1	3.1	2.6	2.6
55°	7.2	6.2	5.2	4.6	4.1	3.6	3.1	2.6	2.6	2.6	2.6
57.5°	4.6	4.1	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: P175585

CATALOG NUMBER: LDA6A15835D010TE 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°	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
82.5°	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
87.5°	1.5	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: P175585

CATALOG NUMBER: LDA6A15835D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2.5°	97.4	95.9	93.3	91.7	77.3	69.6	62.4	61.8
5°	99.5	95.3	91.2	87.6	63.9	53.1	45.9	44.8
7.5°	97.4	91.2	85.6	81.4	53.6	41.7	35.6	34.5
10°	91.7	85.0	78.3	73.2	45.9	35.6	29.9	28.9
12.5°	84.5	77.3	70.6	64.9	39.7	32.0	27.3	26.3
15°	76.3	69.1	63.4	58.2	36.6	29.4	26.3	25.3
17.5°	68.5	61.8	56.7	52.1	34.0	28.3	26.8	27.3
20°	60.8	55.7	51.0	47.4	35.0	33.5	38.7	43.3
22.5°	56.2	52.6	50.0	47.4	54.1	83.5	188.6	223.7
25°	58.8	58.2	59.8	63.4	110.8	140.2	123.7	125.2
26°	61.8	62.9	65.5	69.1	94.8	88.1	80.9	86.6
27°	59.8	60.3	59.8	59.3	62.4	61.8	64.9	70.6
28°	50.0	49.0	47.9	46.4	47.4	52.6	59.8	64.4
29°	43.3	42.3	40.7	39.2	41.2	51.0	57.7	60.8
30°	39.2	37.6	36.1	35.0	41.2	50.5	55.1	56.7
31°	36.6	35.6	34.5	34.5	41.7	47.9	50.5	51.0
32°	36.6	35.6	35.0	35.0	38.7	42.8	44.3	44.8
33°	35.6	34.5	33.0	32.5	34.0	37.1	38.7	38.7
34°	31.4	30.4	29.4	27.8	29.4	32.0	33.5	33.0
35°	27.3	26.3	25.3	24.2	25.3	27.8	28.3	27.8
36°	23.7	22.7	21.6	20.6	21.6	23.7	24.2	23.7
37°	21.1	20.1	19.1	18.0	18.0	20.6	21.1	20.1
38°	19.1	17.5	16.5	16.0	16.0	18.0	18.0	17.0
39°	17.0	16.0	14.9	13.9	13.9	15.5	15.5	14.4
40°	14.9	13.9	12.9	12.4	12.4	13.4	13.4	12.4
42.5°	10.8	10.3	9.8	9.3	9.3	10.3	9.8	8.8
45°	8.2	7.7	7.2	7.2	7.2	7.7	6.7	6.2
47.5°	5.7	5.7	5.2	5.2	5.2	5.7	5.2	4.6
50°	4.1	4.1	3.6	3.6	4.1	4.1	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	1.5
54°	2.6	2.6	2.6	2.6	2.6	2.6	1.5	1.5
55°	2.6	2.6	2.6	2.6	2.6	2.1	1.5	1.0
57.5°	2.1	2.1	2.1	2.1	2.1	2.1	1.5	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: P175585

CATALOG NUMBER: LDA6A15835D010TE 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	1.5	1.0
75°	2.1	2.6	2.6	2.6	2.6	2.1	1.5	1.0
77.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.5	1.0
80°	2.6	2.6	2.6	2.6	2.6	2.1	1.5	1.0
82.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.5	1.0
85°	2.6	2.6	2.6	2.6	2.6	2.1	1.5	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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°







67.5°	4.1	3.6	3.6	3.6	3.6	3.1	3.1	3.1	2.6	2.6	2.1
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0





67.5°	2.1	2.1	2.1	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5





67.5°	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	1.5	1.5	1.5	1.5	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	1.5	1.0



(END OF REPORT)