

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: P175586

Luminaire Tested: **LDA6A15840D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175586  
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: LDA6A15840D010TE 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: 1315.9 lumens  
Efficiency: N/A  
Efficacy: 59.1 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

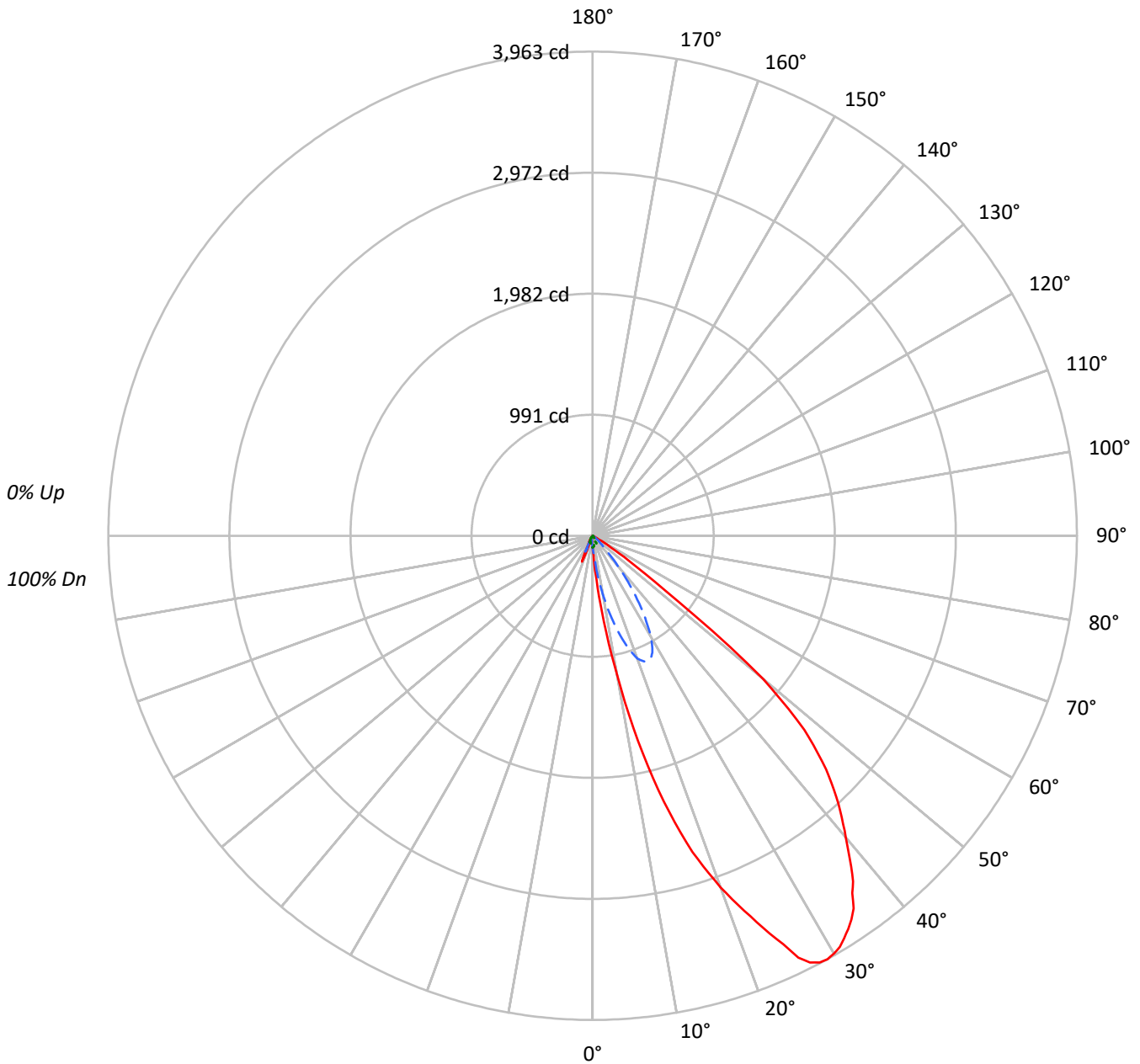
Input Watts (W): 22.27  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5274	5274	5274
5°	19926	4947	2531
10°	64767	4181	1648
15°	127924	3388	1470
20°	178679	2835	2590
25°	223150	3932	7773
30°	249994	2273	3678
35°	249228	1660	1907
40°	230718	909	909
45°	209541	574	488
50°	155398	316	222
55°	37944	248	105
60°	6721	230	55
65°	1232	337	65
70°	256	417	176
75°	0	551	233
80°	0	821	347
85°	0	1635	692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.4	1.4
10°-20°	148.4	11.3
20°-30°	360.3	27.4
30°-40°	425.4	32.3
40°-50°	301.7	22.9
50°-60°	54.7	4.2
60°-70°	3.5	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°	527.1	40.1
0°-40°	952.5	72.4
0°-60°	1309.0	99.5
0°-90°	1315.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	362	207	90	54	46	60
15°	2254	820	60	30	26	652
25°	3689	1112	65	144	128	1697
35°	3724	638	25	28	28	2294
45°	2703	122	7	8	6	2029
55°	397	16	3	2	1	515
65°	10	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: P175586

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2.5°	161.2	157.5	157.5	159.1	159.6	156.5	156.5	152.2	150.1	150.7	146.4
5°	362.1	369.5	354.7	356.8	355.2	345.2	341.0	326.7	317.2	312.4	297.1
7.5°	707.3	696.2	674.0	675.0	669.2	652.8	639.1	614.3	593.1	577.8	549.8
10°	1163.5	1166.7	1131.2	1128.1	1114.3	1083.1	1052.5	1004.4	961.0	927.2	875.4
12.5°	1721.7	1689.5	1676.8	1667.8	1645.6	1602.8	1555.2	1488.6	1422.5	1366.0	1286.1
15°	2254.0	2236.1	2217.0	2201.7	2173.7	2119.8	2060.0	1976.5	1890.3	1815.8	1714.8
17.5°	2713.9	2692.3	2669.5	2651.6	2602.4	2564.3	2484.0	2414.7	2316.4	2227.6	2106.0
20°	3062.8	3051.2	3024.8	2999.9	2947.6	2897.9	2814.4	2735.6	2626.7	2514.1	2397.8
22.5°	3371.5	3354.1	3320.8	3283.3	3217.7	3152.2	3055.9	2968.2	2849.3	2729.3	2604.0
25°	3689.2	3681.3	3630.6	3570.3	3477.8	3385.3	3265.3	3156.9	3022.6	2896.3	2750.4
26°	3843.1	3807.1	3755.3	3685.0	3576.1	3464.0	3334.0	3215.1	3071.8	2933.3	2787.4
27°	3919.7	3891.7	3846.2	3774.9	3661.2	3529.1	3385.8	3257.9	3106.2	2962.9	2811.7
28°	3955.1	3931.3	3893.8	3827.7	3717.2	3568.7	3418.0	3282.7	3124.7	2976.7	2820.7
29°	3963.1	3944.6	3911.8	3851.0	3747.4	3595.7	3435.0	3293.8	3132.6	2981.4	2822.8
30°	3949.3	3938.7	3913.4	3855.2	3755.3	3603.6	3438.1	3293.8	3130.5	2976.7	2814.4
31°	3926.6	3920.2	3899.1	3844.6	3747.4	3593.6	3426.0	3281.1	3116.7	2961.3	2795.3
32°	3883.8	3889.6	3872.1	3818.7	3722.5	3567.6	3402.2	3258.9	3094.0	2937.0	2766.3
33°	3838.3	3852.6	3836.7	3779.1	3679.7	3525.9	3366.8	3227.2	3061.8	2903.2	2728.2
34°	3788.6	3805.0	3784.9	3719.9	3617.3	3468.8	3318.7	3183.3	3018.9	2859.8	2678.5
35°	3724.1	3737.9	3711.4	3642.7	3538.0	3397.4	3258.9	3126.8	2964.5	2802.7	2617.2
36°	3615.8	3649.1	3621.6	3550.7	3448.2	3319.7	3191.3	3062.8	2902.1	2739.8	2550.1
37°	3542.8	3549.1	3522.2	3450.3	3355.7	3241.5	3119.9	2994.6	2836.0	2669.5	2476.6
38°	3437.6	3440.3	3413.3	3346.2	3264.2	3159.6	3043.3	2921.1	2762.6	2593.4	2394.6
39°	3327.7	3327.1	3302.8	3245.2	3172.2	3072.3	2959.7	2839.7	2679.0	2505.7	2299.0
40°	3224.0	3222.5	3201.3	3148.5	3077.6	2980.9	2870.4	2749.9	2586.0	2408.4	2193.2
42.5°	2978.8	2968.2	2947.0	2895.2	2827.6	2731.9	2616.7	2486.6	2312.7	2112.4	1869.2
45°	2702.8	2680.1	2657.9	2598.2	2522.0	2419.5	2290.0	2142.5	1948.0	1728.6	1475.9
47.5°	2349.7	2319.1	2297.4	2229.2	2142.5	2027.3	1879.2	1718.5	1513.4	1278.2	1020.2
50°	1822.1	1754.0	1731.2	1623.9	1507.1	1358.0	1171.9	985.9	779.2	586.8	410.7
51°	1447.4	1371.2	1349.0	1239.1	1126.0	988.5	819.4	661.8	501.1	370.0	274.9
52°	1057.8	986.9	966.8	867.5	772.3	661.8	536.0	432.4	342.0	276.5	222.0
53°	730.0	684.0	666.1	599.5	536.5	465.7	389.6	326.7	268.5	222.0	181.3
54°	538.7	507.5	493.2	445.1	399.6	349.9	297.6	254.8	214.6	180.3	146.4
55°	397.0	373.7	363.7	330.4	300.8	267.0	232.1	201.4	170.2	141.7	111.0
57.5°	179.7	168.1	163.9	149.6	138.0	127.9	104.1	87.2	70.8	57.1	44.4
60°	61.3	56.6	55.0	49.7	46.5	43.3	36.5	31.2	27.0	23.3	19.6
61°	39.1	36.5	35.4	32.8	31.2	29.6	25.4	22.2	19.6	17.4	14.8
62°	26.4	24.8	24.3	22.7	21.7	21.1	18.5	16.4	14.3	12.7	11.1
63°	18.5	17.4	17.4	16.4	15.9	15.3	13.2	12.2	10.6	9.5	8.5
64°	13.2	12.7	12.2	11.6	11.1	11.1	9.5	9.0	7.9	7.4	6.3
65°	9.5	9.0	9.0	8.5	8.5	7.9	7.4	6.3	5.8	5.3	4.8
66°	6.9	6.3	6.3	6.3	5.8	5.8	5.3	4.8	4.2	4.2	3.7



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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°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2.5°	147.5	143.8	142.7	141.7	140.1	138.5	133.7	132.7	131.6	127.4	126.3
5°	292.9	278.1	268.5	258.5	247.9	235.8	216.2	207.2	197.7	181.3	173.4
7.5°	533.4	503.2	478.9	454.1	429.2	400.2	362.1	339.4	315.1	282.8	261.1
10°	836.3	780.8	733.2	687.2	642.8	592.1	542.4	492.7	450.4	400.2	359.5
12.5°	1217.4	1127.0	1048.8	971.6	895.5	814.1	734.8	657.6	582.5	515.9	453.0
15°	1624.4	1507.6	1398.2	1288.2	1173.0	1050.9	931.4	819.9	713.6	620.6	535.5
17.5°	1971.7	1839.1	1699.0	1562.1	1415.1	1251.2	1104.8	961.0	824.6	704.6	595.2
20°	2253.0	2101.8	1935.8	1773.0	1593.3	1417.8	1242.3	1071.0	898.1	751.7	619.5
22.5°	2454.4	2293.7	2112.4	1927.3	1722.2	1519.8	1316.3	1114.9	920.3	754.3	607.4
25°	2589.7	2414.7	2218.1	2013.0	1784.1	1561.0	1332.6	1112.2	899.7	722.6	566.7
26°	2621.9	2442.7	2240.8	2027.8	1793.1	1564.2	1324.7	1097.4	880.2	699.4	541.8
27°	2642.6	2458.1	2250.9	2031.5	1792.5	1567.9	1306.7	1074.2	852.7	670.8	513.3
28°	2650.0	2461.8	2250.3	2024.1	1780.4	1531.4	1278.7	1040.9	822.5	636.5	480.5
29°	2648.9	2457.0	2239.8	2006.1	1757.7	1500.7	1240.1	999.6	781.3	597.9	445.1
30°	2638.3	2441.2	2218.1	1976.0	1723.3	1457.9	1190.4	949.9	735.8	555.6	406.5
31°	2616.7	2414.2	2183.2	1931.6	1675.7	1403.5	1132.3	893.9	685.6	510.1	366.9
32°	2583.9	2375.6	2136.1	1876.6	1617.6	1340.0	1066.8	825.2	632.2	463.6	332.5
33°	2541.6	2326.5	2079.6	1812.1	1552.0	1267.1	994.3	777.1	577.8	416.6	287.6
34°	2487.7	2266.7	2010.9	1737.6	1475.9	1186.2	919.3	703.6	522.8	369.0	253.7
35°	2423.2	2194.8	1932.6	1655.1	1391.3	1098.5	851.1	638.0	466.8	321.4	215.7
36°	2350.8	2115.0	1844.9	1566.3	1298.8	1009.1	773.4	572.5	411.3	274.9	181.8
37°	2271.5	2027.3	1751.8	1469.0	1199.4	916.6	695.7	508.0	356.8	230.5	154.9
38°	2182.1	1928.9	1648.8	1361.7	1093.2	824.6	619.0	443.5	302.4	190.8	135.3
39°	2078.5	1816.9	1536.7	1243.3	984.3	732.1	543.4	380.1	251.1	159.1	120.5
40°	1963.3	1697.9	1414.1	1118.0	874.3	642.3	469.4	318.8	205.1	137.4	107.8
42.5°	1625.0	1349.6	1064.6	822.0	618.5	436.6	300.8	190.8	132.7	102.0	79.3
45°	1225.3	967.4	735.3	553.5	402.3	261.7	171.3	121.6	94.1	70.8	55.5
47.5°	801.9	602.6	428.7	297.6	201.4	134.3	104.7	79.3	61.3	47.0	37.5
50°	302.4	223.1	173.4	138.5	109.4	83.0	65.5	50.2	38.6	29.6	23.8
51°	223.6	180.3	142.2	113.7	90.4	68.7	53.4	39.6	30.7	23.8	19.6
52°	183.4	148.0	116.8	93.0	73.5	53.4	41.2	31.2	24.8	19.6	15.9
53°	150.1	120.5	94.1	73.5	56.0	40.7	31.7	24.8	20.1	15.9	13.2
54°	119.5	93.6	70.3	53.9	41.8	30.7	24.8	19.6	15.9	13.2	11.1
55°	88.8	67.7	50.2	39.6	31.2	23.8	19.6	15.9	13.2	10.6	9.0
57.5°	36.5	29.1	23.8	19.6	16.4	13.2	11.1	9.5	7.9	6.3	5.3
60°	16.9	14.3	12.7	10.6	9.0	7.4	6.3	5.8	4.8	4.2	3.7
61°	13.2	11.1	9.5	8.5	7.4	5.8	5.3	4.8	4.2	3.7	3.2
62°	10.0	8.5	7.4	6.3	5.8	4.8	4.2	3.7	3.2	3.2	2.6
63°	7.4	6.3	5.8	5.3	4.8	4.2	3.7	3.2	3.2	2.6	2.6
64°	5.8	5.3	4.8	4.2	3.7	3.2	3.2	2.6	2.6	2.1	2.1
65°	4.2	4.2	3.7	3.2	3.2	2.6	2.6	2.6	2.1	2.1	2.1
66°	3.7	3.2	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1





TEST NUMBER: P175586

CATALOG NUMBER: LDA6A15840D010TE 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	1.6	1.6	1.6	1.6	1.6
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	1.1	1.1	1.1	1.1	1.1	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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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2.5°	123.7	123.2	119.5	117.9	115.8	113.1	111.0	109.4	106.8	104.7	102.6
5°	162.3	156.5	147.0	140.6	134.8	129.0	124.2	120.0	115.2	111.0	106.8
7.5°	234.2	214.6	190.8	172.9	158.1	144.8	135.3	127.4	120.0	113.7	106.3
10°	314.5	278.6	242.1	207.7	180.8	158.1	142.2	130.0	120.0	111.5	102.0
12.5°	388.5	335.7	282.3	236.3	196.6	165.5	143.8	128.5	116.8	106.3	95.2
15°	451.4	380.6	312.9	253.7	204.6	166.0	141.1	124.2	111.0	98.3	87.2
17.5°	491.1	401.2	321.4	253.2	199.3	157.5	132.7	116.3	101.5	88.8	78.2
20°	499.5	396.5	309.2	234.7	180.8	141.7	121.1	104.1	89.3	78.2	69.2
22.5°	478.4	369.5	277.0	203.0	154.9	125.3	107.8	91.5	79.3	70.3	62.9
25°	432.9	322.5	232.6	166.5	132.7	110.5	94.6	81.4	72.4	66.6	62.4
26°	409.2	299.2	212.5	153.3	125.3	105.2	90.4	78.8	71.4	67.1	64.0
27°	381.7	274.4	192.4	141.7	118.4	98.3	85.1	74.5	67.7	64.0	61.8
28°	351.5	247.9	173.4	131.1	110.0	89.9	77.7	67.7	60.8	56.6	52.9
29°	319.8	221.5	155.9	121.6	101.5	82.5	70.8	61.3	54.4	50.2	46.5
30°	286.5	196.1	141.1	113.1	93.0	75.6	65.0	56.0	49.7	45.5	41.8
31°	254.3	172.9	130.6	104.1	85.6	69.8	60.3	52.9	46.5	42.3	39.6
32°	222.0	153.3	120.5	95.7	78.8	65.5	56.0	49.7	44.4	40.7	38.6
33°	192.9	136.9	111.5	87.8	72.9	61.3	53.4	47.6	42.8	39.6	37.5
34°	167.0	125.8	101.5	79.8	67.1	56.6	49.2	43.9	39.1	36.5	33.8
35°	145.9	114.2	91.5	71.9	60.3	50.7	44.4	39.1	34.9	32.2	29.6
36°	129.5	102.6	81.4	64.0	53.9	46.0	39.6	34.9	31.2	28.5	26.4
37°	116.8	92.0	72.9	57.6	49.2	41.2	35.9	31.7	28.0	25.4	23.3
38°	105.2	81.9	65.5	52.3	44.4	37.5	32.2	29.1	25.4	22.7	20.6
39°	93.6	71.9	58.7	47.6	40.7	34.4	29.6	26.4	22.7	20.6	18.5
40°	83.0	64.5	52.9	42.8	37.0	30.7	27.0	23.8	20.6	18.5	16.4
42.5°	61.3	48.1	40.2	32.8	28.0	23.8	20.6	17.4	15.3	13.7	12.2
45°	43.9	34.9	29.1	23.8	20.1	16.9	14.3	12.7	11.1	10.0	9.0
47.5°	29.6	23.8	20.1	15.9	13.7	11.6	10.0	9.0	7.9	6.9	6.3
50°	19.0	15.3	13.2	10.6	9.0	7.9	6.9	5.8	5.3	4.8	4.8
51°	15.9	12.7	11.1	9.0	7.9	6.9	5.8	5.3	4.8	4.2	3.7
52°	13.2	10.6	9.0	7.4	6.3	5.8	4.8	4.2	3.7	3.7	3.7
53°	11.1	9.0	7.9	6.3	5.8	4.8	4.2	3.7	3.2	3.2	3.2
54°	9.0	7.4	6.3	5.3	4.8	4.2	3.7	3.2	3.2	2.6	2.6
55°	7.4	6.3	5.3	4.8	4.2	3.7	3.2	2.6	2.6	2.6	2.6
57.5°	4.8	4.2	3.7	3.2	2.6	2.6	2.1	2.1	2.1	2.1	2.1
60°	3.2	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: P175586

CATALOG NUMBER: LDA6A15840D010TE 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: P175586

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2.5°	99.9	98.3	95.7	94.1	79.3	71.4	64.0	63.4
5°	102.0	97.8	93.6	89.9	65.5	54.4	47.0	46.0
7.5°	99.9	93.6	87.8	83.5	55.0	42.8	36.5	35.4
10°	94.1	87.2	80.4	75.1	47.0	36.5	30.7	29.6
12.5°	86.7	79.3	72.4	66.6	40.7	32.8	28.0	27.0
15°	78.2	70.8	65.0	59.7	37.5	30.1	27.0	25.9
17.5°	70.3	63.4	58.1	53.4	34.9	29.1	27.5	28.0
20°	62.4	57.1	52.3	48.6	35.9	34.4	39.6	44.4
22.5°	57.6	53.9	51.3	48.6	55.5	85.6	193.5	229.4
25°	60.3	59.7	61.3	65.0	113.7	143.8	126.9	128.5
26°	63.4	64.5	67.1	70.8	97.3	90.4	83.0	88.8
27°	61.3	61.8	61.3	60.8	64.0	63.4	66.6	72.4
28°	51.3	50.2	49.2	47.6	48.6	53.9	61.3	66.1
29°	44.4	43.3	41.8	40.2	42.3	52.3	59.2	62.4
30°	40.2	38.6	37.0	35.9	42.3	51.8	56.6	58.1
31°	37.5	36.5	35.4	35.4	42.8	49.2	51.8	52.3
32°	37.5	36.5	35.9	35.9	39.6	43.9	45.5	46.0
33°	36.5	35.4	33.8	33.3	34.9	38.1	39.6	39.6
34°	32.2	31.2	30.1	28.5	30.1	32.8	34.4	33.8
35°	28.0	27.0	25.9	24.8	25.9	28.5	29.1	28.5
36°	24.3	23.3	22.2	21.1	22.2	24.3	24.8	24.3
37°	21.7	20.6	19.6	18.5	18.5	21.1	21.7	20.6
38°	19.6	18.0	16.9	16.4	16.4	18.5	18.5	17.4
39°	17.4	16.4	15.3	14.3	14.3	15.9	15.9	14.8
40°	15.3	14.3	13.2	12.7	12.7	13.7	13.7	12.7
42.5°	11.1	10.6	10.0	9.5	9.5	10.6	10.0	9.0
45°	8.5	7.9	7.4	7.4	7.4	7.9	6.9	6.3
47.5°	5.8	5.8	5.3	5.3	5.3	5.8	5.3	4.8
50°	4.2	4.2	3.7	3.7	4.2	4.2	3.7	2.6
51°	3.7	3.7	3.7	3.2	3.7	3.7	3.2	2.6
52°	3.2	3.2	3.2	3.2	3.2	3.2	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	1.1
57.5°	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1
60°	2.1	2.1	2.1	2.1	2.1	2.1	1.1	0.5
61°	2.1	2.1	2.1	2.1	2.6	2.1	1.1	0.5
62°	2.1	2.1	2.1	2.1	2.6	2.1	1.1	0.5
63°	2.1	2.1	2.1	2.1	2.6	2.1	1.1	0.5
64°	2.1	2.1	2.1	2.6	2.6	2.1	1.1	0.5
65°	2.1	2.1	2.6	2.6	2.6	2.1	1.1	0.5
66°	2.1	2.6	2.6	2.6	2.6	2.1	1.1	0.5



TEST NUMBER: P175586

CATALOG NUMBER: LDA6A15840D010TE 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	1.1
75°	2.1	2.6	2.6	2.6	2.6	2.1	1.6	1.1
77.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.1
80°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.1
85°	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.1
87.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.1	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	3.7	3.7	3.7	3.7	3.2	3.2	3.2	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	1.1





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°	1.1	1.1	1.1	1.1	1.1	1.1	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	1.1	1.1
70°	2.1	2.1	2.6	2.6	2.6	2.1	1.6	1.1



(END OF REPORT)