

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: P175583

Luminaire Tested: **LDA6A15827D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175583  
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: LDA6A15827D010TE 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 / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1127.5 lumens  
Efficiency: N/A  
Efficacy: 50.6 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

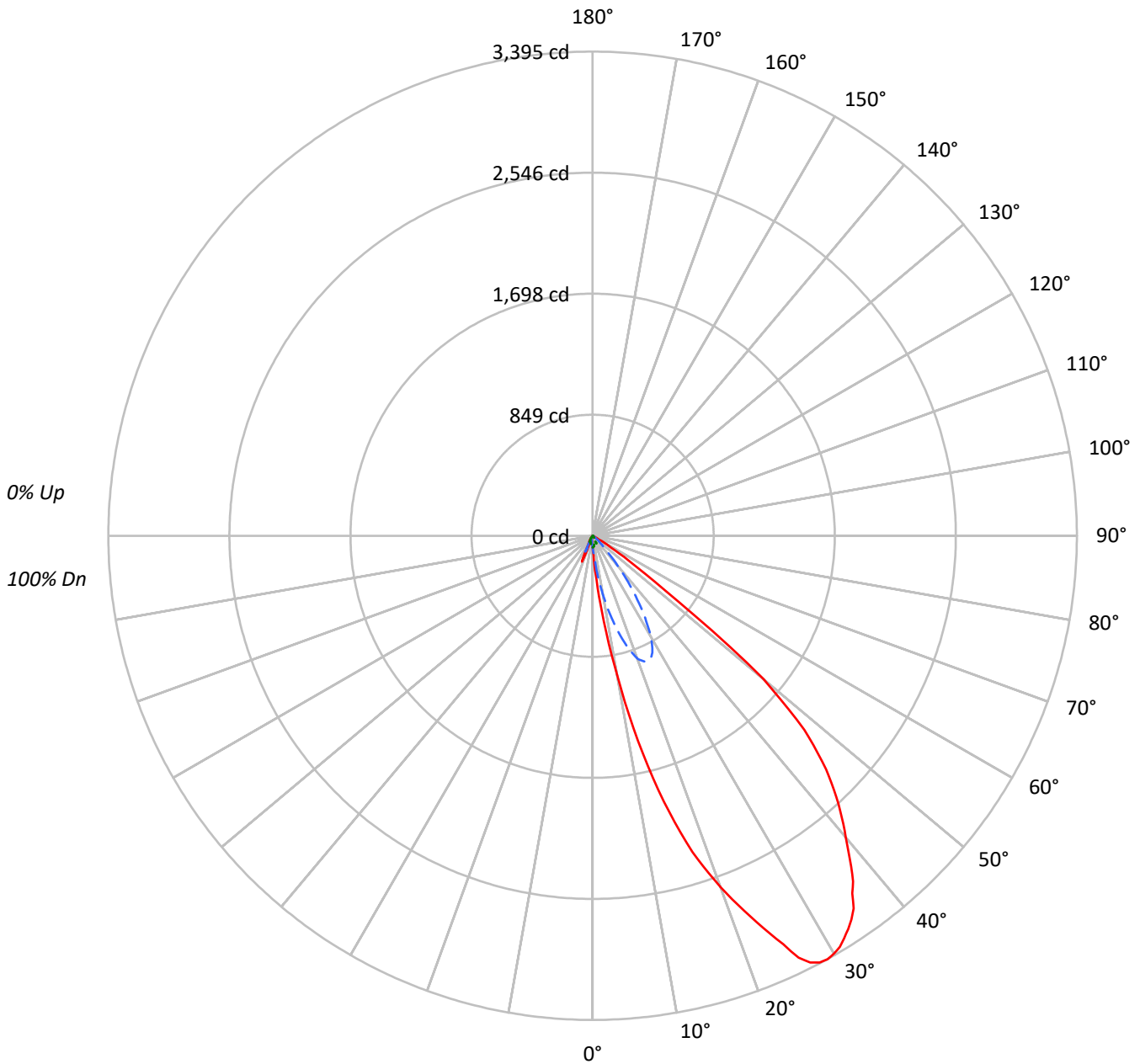
Input Watts (W): 22.27  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4517	4517	4517
5°	17070	4237	2168
10°	55488	3579	1414
15°	109598	2906	1260
20°	153080	2433	2217
25°	191182	3369	6660
30°	214179	1950	3152
35°	213525	1425	1640
40°	197670	780	780
45°	179523	488	419
50°	133138	273	196
55°	32505	220	86
60°	5756	197	55
65°	1064	298	65
70°	224	369	144
75°	0	487	191
80°	0	726	284
85°	0	1447	566



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	1.4
10°-20°	127.2	11.3
20°-30°	308.7	27.4
30°-40°	364.4	32.3
40°-50°	258.5	22.9
50°-60°	46.9	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°	451.6	40.1
0°-40°	816.1	72.4
0°-60°	1121.5	99.5
0°-90°	1127.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	310	178	77	47	39	52
15°	1931	702	51	26	22	558
25°	3161	953	56	123	110	1454
35°	3191	547	21	24	24	1965
45°	2316	104	6	7	5	1739
55°	340	14	2	2	1	441
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	138.1	135.0	135.0	136.3	136.8	134.1	134.1	130.4	128.6	129.1	125.5
5°	310.2	316.6	303.9	305.7	304.3	295.7	292.1	279.9	271.7	267.7	254.5
7.5°	606.0	596.5	577.4	578.3	573.4	559.3	547.5	526.3	508.1	495.0	471.0
10°	996.8	999.5	969.2	966.5	954.7	928.0	901.7	860.5	823.4	794.4	750.0
12.5°	1475.1	1447.4	1436.6	1428.9	1409.8	1373.2	1332.4	1275.3	1218.7	1170.3	1101.9
15°	1931.1	1915.7	1899.4	1886.3	1862.3	1816.1	1764.9	1693.3	1619.5	1555.7	1469.2
17.5°	2325.1	2306.6	2287.1	2271.7	2229.6	2197.0	2128.1	2068.8	1984.6	1908.5	1804.3
20°	2624.0	2614.1	2591.4	2570.1	2525.3	2482.7	2411.2	2343.7	2250.4	2153.9	2054.3
22.5°	2888.5	2873.6	2845.0	2812.9	2756.7	2700.6	2618.1	2543.0	2441.1	2338.3	2230.9
25°	3160.7	3153.9	3110.4	3058.8	2979.6	2900.3	2797.5	2704.6	2589.6	2481.4	2356.4
26°	3292.5	3261.7	3217.3	3157.1	3063.8	2967.8	2856.4	2754.5	2631.7	2513.1	2388.1
27°	3358.2	3334.2	3295.2	3234.1	3136.7	3023.5	2900.7	2791.2	2661.2	2538.4	2408.9
28°	3388.5	3368.1	3336.0	3279.4	3184.7	3057.4	2928.4	2812.4	2677.0	2550.2	2416.6
29°	3395.3	3379.5	3351.4	3299.3	3210.5	3080.5	2942.9	2821.9	2683.8	2554.3	2418.4
30°	3383.5	3374.5	3352.7	3302.9	3217.3	3087.3	2945.6	2821.9	2682.0	2550.2	2411.2
31°	3364.1	3358.6	3340.5	3293.9	3210.5	3078.7	2935.2	2811.1	2670.2	2537.1	2394.9
32°	3327.4	3332.4	3317.4	3271.7	3189.2	3056.5	2914.8	2792.1	2650.8	2516.2	2370.0
33°	3288.4	3300.6	3287.1	3237.7	3152.6	3020.8	2884.4	2764.9	2623.1	2487.3	2337.4
34°	3245.9	3259.9	3242.7	3187.0	3099.1	2971.9	2843.2	2727.3	2586.4	2450.1	2294.8
35°	3190.6	3202.4	3179.7	3120.9	3031.2	2910.7	2792.1	2678.8	2539.8	2401.2	2242.2
36°	3097.8	3126.3	3102.7	3042.1	2954.2	2844.1	2734.1	2624.0	2486.4	2347.3	2184.7
37°	3035.3	3040.7	3017.6	2956.0	2874.9	2777.1	2672.9	2565.6	2429.7	2287.1	2121.8
38°	2945.1	2947.4	2924.3	2866.8	2796.6	2706.9	2607.3	2502.7	2366.8	2221.9	2051.6
39°	2850.9	2850.5	2829.6	2780.3	2717.8	2632.2	2535.7	2432.9	2295.2	2146.7	1969.6
40°	2762.2	2760.8	2742.7	2697.4	2636.7	2553.8	2459.2	2355.9	2215.5	2063.4	1879.0
42.5°	2552.0	2543.0	2524.9	2480.5	2422.5	2340.5	2241.8	2130.4	1981.4	1809.7	1601.4
45°	2315.6	2296.1	2277.1	2225.9	2160.7	2072.9	1961.9	1835.6	1668.9	1480.9	1264.5
47.5°	2013.1	1986.8	1968.3	1909.8	1835.6	1736.8	1610.0	1472.3	1296.6	1095.1	874.1
50°	1561.1	1502.7	1483.2	1391.3	1291.2	1163.5	1004.1	844.6	667.6	502.7	351.9
51°	1240.0	1174.8	1155.8	1061.6	964.7	846.9	702.0	567.0	429.3	317.0	235.5
52°	906.2	845.5	828.3	743.2	661.7	567.0	459.2	370.5	293.0	236.9	190.2
53°	625.4	586.0	570.6	513.6	459.7	399.0	333.8	279.9	230.1	190.2	155.3
54°	461.5	434.8	422.5	381.3	342.4	299.8	255.0	218.3	183.9	154.4	125.5
55°	340.1	320.2	311.6	283.1	257.7	228.7	198.8	172.6	145.8	121.4	95.1
57.5°	154.0	144.0	140.4	128.2	118.2	109.6	89.2	74.7	60.7	48.9	38.0
60°	52.5	48.5	47.1	42.6	39.9	37.1	31.2	26.7	23.1	19.9	16.8
61°	33.5	31.2	30.3	28.1	26.7	25.4	21.7	19.0	16.8	14.9	12.7
62°	22.6	21.3	20.8	19.5	18.6	18.1	15.9	14.0	12.2	10.9	9.5
63°	15.9	14.9	14.9	14.0	13.6	13.1	11.3	10.4	9.1	8.2	7.2
64°	11.3	10.9	10.4	10.0	9.5	9.5	8.2	7.7	6.8	6.3	5.4
65°	8.2	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



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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°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	126.4	123.2	122.3	121.4	120.0	118.7	114.6	113.7	112.8	109.1	108.2
5°	250.9	238.2	230.1	221.5	212.4	202.0	185.2	177.5	169.4	155.3	148.5
7.5°	457.0	431.1	410.3	389.0	367.7	342.8	310.2	290.8	269.9	242.3	223.7
10°	716.5	668.9	628.2	588.8	550.7	507.2	464.7	422.1	385.9	342.8	308.0
12.5°	1043.0	965.6	898.5	832.4	767.2	697.4	629.5	563.4	499.1	442.0	388.1
15°	1391.7	1291.6	1197.9	1103.7	1005.0	900.3	798.0	702.4	611.4	531.7	458.8
17.5°	1689.3	1575.6	1455.6	1338.3	1212.4	1072.0	946.5	823.4	706.5	603.7	510.0
20°	1930.2	1800.7	1658.5	1519.0	1365.0	1214.6	1064.3	917.6	769.5	644.0	530.8
22.5°	2102.8	1965.1	1809.7	1651.2	1475.5	1302.1	1127.7	955.1	788.5	646.3	520.4
25°	2218.7	2068.8	1900.3	1724.6	1528.5	1337.4	1141.7	952.9	770.8	619.1	485.5
26°	2246.3	2092.8	1919.8	1737.3	1536.2	1340.1	1134.9	940.2	754.1	599.2	464.2
27°	2264.0	2105.9	1928.4	1740.4	1535.7	1343.3	1119.5	920.3	730.5	574.7	439.8
28°	2270.3	2109.1	1927.9	1734.1	1525.3	1312.0	1095.5	891.7	704.7	545.3	411.7
29°	2269.4	2105.0	1918.9	1718.7	1505.9	1285.7	1062.5	856.4	669.4	512.2	381.3
30°	2260.4	2091.4	1900.3	1692.9	1476.4	1249.1	1019.9	813.8	630.4	476.0	348.3
31°	2241.8	2068.3	1870.4	1654.9	1435.7	1202.4	970.1	765.8	587.4	437.0	314.3
32°	2213.7	2035.3	1830.1	1607.8	1385.8	1148.1	913.9	707.0	541.7	397.2	284.9
33°	2177.5	1993.2	1781.7	1552.5	1329.7	1085.6	851.9	665.7	495.0	356.9	246.4
34°	2131.3	1942.0	1722.8	1488.6	1264.5	1016.3	787.6	602.8	447.9	316.1	217.4
35°	2076.0	1880.4	1655.8	1418.0	1192.0	941.1	729.2	546.6	399.9	275.4	184.8
36°	2014.0	1812.0	1580.6	1341.9	1112.7	864.6	662.6	490.5	352.3	235.5	155.8
37°	1946.1	1736.8	1500.9	1258.6	1027.6	785.3	596.0	435.2	305.7	197.5	132.7
38°	1869.5	1652.6	1412.6	1166.6	936.6	706.5	530.3	380.0	259.1	163.5	115.9
39°	1780.8	1556.6	1316.5	1065.2	843.3	627.3	465.6	325.6	215.1	136.3	103.3
40°	1682.0	1454.7	1211.5	957.9	749.1	550.3	402.2	273.1	175.7	117.8	92.4
42.5°	1392.2	1156.2	912.1	704.2	529.9	374.1	257.7	163.5	113.7	87.4	67.9
45°	1049.8	828.8	630.0	474.2	344.6	224.2	146.7	104.2	80.6	60.7	47.6
47.5°	687.0	516.3	367.3	255.0	172.6	115.0	89.7	67.9	52.5	40.3	32.2
50°	259.1	191.1	148.5	118.7	93.7	71.1	56.2	43.0	33.1	25.4	20.4
51°	191.6	154.4	121.8	97.4	77.4	58.9	45.7	34.0	26.3	20.4	16.8
52°	157.2	126.8	100.1	79.7	63.0	45.7	35.3	26.7	21.3	16.8	13.6
53°	128.6	103.3	80.6	63.0	48.0	34.9	27.2	21.3	17.2	13.6	11.3
54°	102.4	80.2	60.2	46.2	35.8	26.3	21.3	16.8	13.6	11.3	9.5
55°	76.1	58.0	43.0	34.0	26.7	20.4	16.8	13.6	11.3	9.1	7.7
57.5°	31.2	24.9	20.4	16.8	14.0	11.3	9.5	8.2	6.8	5.4	4.5
60°	14.5	12.2	10.9	9.1	7.7	6.3	5.4	5.0	4.1	3.6	3.2
61°	11.3	9.5	8.2	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





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CATALOG NUMBER: LDA6A15827D010TE 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



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CATALOG NUMBER: LDA6A15827D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	106.0	105.5	102.4	101.0	99.2	96.9	95.1	93.7	91.5	89.7	87.9
5°	139.0	134.1	125.9	120.5	115.5	110.5	106.4	102.8	98.7	95.1	91.5
7.5°	200.6	183.9	163.5	148.1	135.4	124.1	115.9	109.1	102.8	97.4	91.0
10°	269.5	238.7	207.4	178.0	154.9	135.4	121.8	111.4	102.8	95.6	87.4
12.5°	332.9	287.6	241.8	202.4	168.5	141.8	123.2	110.1	100.1	91.0	81.5
15°	386.8	326.1	268.1	217.4	175.3	142.2	120.9	106.4	95.1	84.2	74.7
17.5°	420.7	343.7	275.4	216.9	170.7	135.0	113.7	99.6	87.0	76.1	67.0
20°	428.0	339.7	264.9	201.1	154.9	121.4	103.7	89.2	76.5	67.0	59.3
22.5°	409.9	316.6	237.3	173.9	132.7	107.3	92.4	78.3	67.9	60.2	53.9
25°	370.9	276.3	199.3	142.7	113.7	94.7	81.1	69.7	62.0	57.1	53.4
26°	350.5	256.3	182.1	131.3	107.3	90.1	77.4	67.5	61.1	57.5	54.8
27°	327.0	235.0	164.9	121.4	101.4	84.2	72.9	63.9	58.0	54.8	53.0
28°	301.2	212.4	148.5	112.3	94.2	77.0	66.6	58.0	52.1	48.5	45.3
29°	274.0	189.8	133.6	104.2	87.0	70.7	60.7	52.5	46.6	43.0	39.9
30°	245.5	168.0	120.9	96.9	79.7	64.8	55.7	48.0	42.6	38.9	35.8
31°	217.8	148.1	111.9	89.2	73.4	59.8	51.6	45.3	39.9	36.2	34.0
32°	190.2	131.3	103.3	82.0	67.5	56.2	48.0	42.6	38.0	34.9	33.1
33°	165.3	117.3	95.6	75.2	62.5	52.5	45.7	40.8	36.7	34.0	32.2
34°	143.1	107.8	87.0	68.4	57.5	48.5	42.1	37.6	33.5	31.2	29.0
35°	125.0	97.8	78.3	61.6	51.6	43.5	38.0	33.5	29.9	27.6	25.4
36°	111.0	87.9	69.7	54.8	46.2	39.4	34.0	29.9	26.7	24.5	22.6
37°	100.1	78.8	62.5	49.4	42.1	35.3	30.8	27.2	24.0	21.7	19.9
38°	90.1	70.2	56.2	44.8	38.0	32.2	27.6	24.9	21.7	19.5	17.7
39°	80.2	61.6	50.3	40.8	34.9	29.4	25.4	22.6	19.5	17.7	15.9
40°	71.1	55.3	45.3	36.7	31.7	26.3	23.1	20.4	17.7	15.9	14.0
42.5°	52.5	41.2	34.4	28.1	24.0	20.4	17.7	14.9	13.1	11.8	10.4
45°	37.6	29.9	24.9	20.4	17.2	14.5	12.2	10.9	9.5	8.6	7.7
47.5°	25.4	20.4	17.2	13.6	11.8	10.0	8.6	7.7	6.8	5.9	5.4
50°	16.3	13.1	11.3	9.1	7.7	6.8	5.9	5.0	4.5	4.1	4.1
51°	13.6	10.9	9.5	7.7	6.8	5.9	5.0	4.5	4.1	3.6	3.2
52°	11.3	9.1	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: P175583

CATALOG NUMBER: LDA6A15827D010TE 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: P175583

CATALOG NUMBER: LDA6A15827D010TE LAR35FL 6LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	85.6	84.2	82.0	80.6	67.9	61.1	54.8	54.3
5°	87.4	83.8	80.2	77.0	56.2	46.6	40.3	39.4
7.5°	85.6	80.2	75.2	71.6	47.1	36.7	31.2	30.3
10°	80.6	74.7	68.8	64.3	40.3	31.2	26.3	25.4
12.5°	74.3	67.9	62.0	57.1	34.9	28.1	24.0	23.1
15°	67.0	60.7	55.7	51.2	32.2	25.8	23.1	22.2
17.5°	60.2	54.3	49.8	45.7	29.9	24.9	23.6	24.0
20°	53.4	48.9	44.8	41.7	30.8	29.4	34.0	38.0
22.5°	49.4	46.2	43.9	41.7	47.6	73.4	165.8	196.6
25°	51.6	51.2	52.5	55.7	97.4	123.2	108.7	110.1
26°	54.3	55.3	57.5	60.7	83.3	77.4	71.1	76.1
27°	52.5	53.0	52.5	52.1	54.8	54.3	57.1	62.0
28°	43.9	43.0	42.1	40.8	41.7	46.2	52.5	56.6
29°	38.0	37.1	35.8	34.4	36.2	44.8	50.7	53.4
30°	34.4	33.1	31.7	30.8	36.2	44.4	48.5	49.8
31°	32.2	31.2	30.3	30.3	36.7	42.1	44.4	44.8
32°	32.2	31.2	30.8	30.8	34.0	37.6	38.9	39.4
33°	31.2	30.3	29.0	28.5	29.9	32.6	34.0	34.0
34°	27.6	26.7	25.8	24.5	25.8	28.1	29.4	29.0
35°	24.0	23.1	22.2	21.3	22.2	24.5	24.9	24.5
36°	20.8	19.9	19.0	18.1	19.0	20.8	21.3	20.8
37°	18.6	17.7	16.8	15.9	15.9	18.1	18.6	17.7
38°	16.8	15.4	14.5	14.0	14.0	15.9	15.9	14.9
39°	14.9	14.0	13.1	12.2	12.2	13.6	13.6	12.7
40°	13.1	12.2	11.3	10.9	10.9	11.8	11.8	10.9
42.5°	9.5	9.1	8.6	8.2	8.2	9.1	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: P175583

CATALOG NUMBER: LDA6A15827D010TE 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



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— 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)