

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: P175588

Luminaire Tested: **LDA6A15930D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175588
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: LDA6A15930D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1043.7 lumens
Efficiency: N/A
Efficacy: 46.9 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

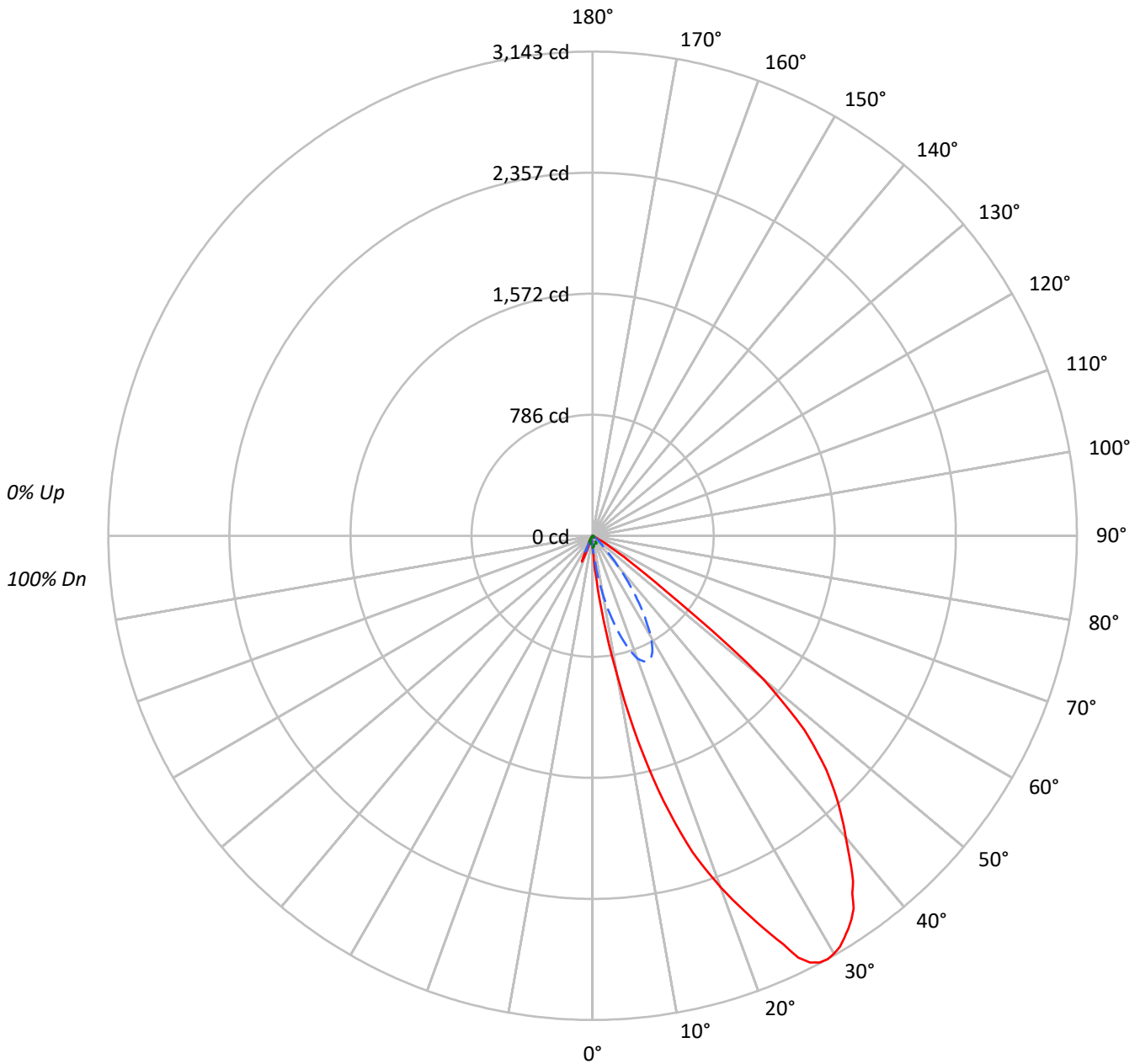
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4183	4183	4183
5°	15804	3924	2009
10°	51368	3312	1308
15°	101459	2690	1163
20°	141716	2252	2054
25°	176986	3121	6164
30°	198277	1804	2918
35°	197671	1318	1512
40°	182993	723	723
45°	166196	457	388
50°	123254	247	179
55°	30097	201	76
60°	5329	186	44
65°	973	272	52
70°	208	337	128
75°	0	445	169
80°	0	663	253
85°	0	1321	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	1.4
10°-20°	117.7	11.3
20°-30°	285.8	27.4
30°-40°	337.4	32.3
40°-50°	239.3	22.9
50°-60°	43.4	4.2
60°-70°	2.8	0.3
70°-80°	1.5	0.1
80°-90°	1.3	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°	418.1	40.1
0°-40°	755.5	72.4
0°-60°	1038.2	99.5
0°-90°	1043.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	76	76	76	76	76	
5°	287	164	71	43	36	48
15°	1788	650	47	24	20	517
25°	2926	882	52	114	102	1346
35°	2954	506	20	23	23	1820
45°	2144	96	6	6	5	1609
55°	315	13	2	2	1	409
65°	8	2	2	2	0	12
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°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	127.9	124.9	124.9	126.2	126.6	124.1	124.1	120.7	119.1	119.5	116.1
5°	287.2	293.1	281.3	283.0	281.7	273.8	270.4	259.1	251.6	247.8	235.6
7.5°	561.0	552.2	534.6	535.4	530.8	517.8	506.9	487.2	470.4	458.2	436.0
10°	922.8	925.3	897.2	894.7	883.8	859.1	834.7	796.6	762.2	735.4	694.3
12.5°	1365.5	1339.9	1329.9	1322.8	1305.2	1271.2	1233.5	1180.6	1128.2	1083.4	1020.1
15°	1787.7	1773.5	1758.4	1746.2	1724.0	1681.2	1633.8	1567.6	1499.3	1440.2	1360.1
17.5°	2152.5	2135.3	2117.3	2103.0	2064.0	2033.8	1970.1	1915.2	1837.2	1766.8	1670.3
20°	2429.2	2420.0	2399.0	2379.3	2337.8	2298.4	2232.1	2169.7	2083.3	1994.0	1901.8
22.5°	2674.0	2660.2	2633.8	2604.0	2552.0	2500.0	2423.7	2354.1	2259.8	2164.6	2065.3
25°	2926.0	2919.7	2879.5	2831.7	2758.3	2684.9	2589.8	2503.8	2397.3	2297.1	2181.4
26°	3048.0	3019.5	2978.4	2922.6	2836.3	2747.4	2644.3	2549.9	2436.3	2326.5	2210.7
27°	3108.8	3086.6	3050.5	2993.9	2903.8	2799.0	2685.3	2583.9	2463.6	2349.9	2230.0
28°	3136.9	3118.0	3088.3	3035.8	2948.2	2830.4	2710.9	2603.6	2478.2	2360.8	2237.2
29°	3143.2	3128.5	3102.5	3054.3	2972.1	2851.8	2724.3	2612.4	2484.5	2364.6	2238.8
30°	3132.3	3123.9	3103.8	3057.6	2978.4	2858.1	2726.9	2612.4	2482.8	2360.8	2232.1
31°	3114.2	3109.2	3092.4	3049.3	2972.1	2850.1	2717.2	2602.3	2471.9	2348.7	2217.0
32°	3080.3	3084.9	3071.1	3028.7	2952.4	2829.6	2698.3	2584.7	2453.9	2329.4	2194.0
33°	3044.2	3055.6	3043.0	2997.3	2918.5	2796.5	2670.3	2559.6	2428.3	2302.6	2163.8
34°	3004.8	3017.8	3001.9	2950.3	2869.0	2751.2	2632.1	2524.8	2394.4	2268.2	2124.4
35°	2953.7	2964.6	2943.6	2889.1	2806.1	2694.6	2584.7	2479.9	2351.2	2222.9	2075.7
36°	2867.7	2894.1	2872.3	2816.2	2734.8	2632.9	2531.1	2429.2	2301.7	2173.0	2022.5
37°	2809.9	2814.9	2793.5	2736.5	2661.5	2570.9	2474.5	2375.1	2249.3	2117.3	1964.2
38°	2726.4	2728.5	2707.1	2653.9	2588.9	2505.9	2413.7	2316.8	2191.0	2056.9	1899.2
39°	2639.2	2638.8	2619.5	2573.8	2516.0	2436.7	2347.4	2252.3	2124.8	1987.3	1823.4
40°	2557.1	2555.8	2539.0	2497.1	2440.9	2364.2	2276.6	2181.0	2051.0	1910.1	1739.5
42.5°	2362.5	2354.1	2337.4	2296.3	2242.6	2166.7	2075.3	1972.2	1834.3	1675.4	1482.5
45°	2143.7	2125.6	2108.0	2060.7	2000.3	1918.9	1816.2	1699.3	1545.0	1371.0	1170.6
47.5°	1863.6	1839.3	1822.1	1768.0	1699.3	1607.9	1490.5	1363.0	1200.3	1013.8	809.2
50°	1445.2	1391.1	1373.1	1288.0	1195.3	1077.1	929.5	781.9	618.0	465.4	325.8
51°	1147.9	1087.6	1069.9	982.7	893.0	784.0	649.9	524.9	397.5	293.5	218.0
52°	838.9	782.8	766.8	688.0	612.5	524.9	425.1	343.0	271.3	219.3	176.1
53°	579.0	542.5	528.3	475.4	425.5	369.4	309.0	259.1	213.0	176.1	143.8
54°	427.2	402.5	391.2	353.0	317.0	277.5	236.0	202.1	170.2	143.0	116.1
55°	314.9	296.4	288.4	262.0	238.6	211.7	184.1	159.7	135.0	112.4	88.0
57.5°	142.5	133.3	130.0	118.7	109.4	101.5	82.6	69.2	56.2	45.3	35.2
60°	48.6	44.9	43.6	39.4	36.9	34.4	28.9	24.7	21.4	18.4	15.5
61°	31.0	28.9	28.1	26.0	24.7	23.5	20.1	17.6	15.5	13.8	11.7
62°	21.0	19.7	19.3	18.0	17.2	16.8	14.7	13.0	11.3	10.1	8.8
63°	14.7	13.8	13.8	13.0	12.6	12.2	10.5	9.6	8.4	7.5	6.7
64°	10.5	10.1	9.6	9.2	8.8	8.8	7.5	7.1	6.3	5.9	5.0
65°	7.5	7.1	7.1	6.7	6.7	6.3	5.9	5.0	4.6	4.2	3.8
66°	5.5	5.0	5.0	5.0	4.6	4.6	4.2	3.8	3.4	3.4	2.9



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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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	117.0	114.0	113.2	112.4	111.1	109.8	106.1	105.2	104.4	101.0	100.2
5°	232.3	220.5	213.0	205.0	196.6	187.0	171.5	164.3	156.8	143.8	137.5
7.5°	423.0	399.1	379.8	360.1	340.4	317.4	287.2	269.2	249.9	224.3	207.1
10°	663.3	619.2	581.5	545.0	509.8	469.6	430.2	390.7	357.2	317.4	285.1
12.5°	965.6	893.9	831.8	770.6	710.2	645.7	582.8	521.6	462.0	409.2	359.3
15°	1288.4	1195.7	1108.9	1021.7	930.3	833.5	738.7	650.3	566.0	492.2	424.7
17.5°	1563.8	1458.6	1347.5	1238.9	1122.4	992.4	876.2	762.2	654.0	558.9	472.1
20°	1786.9	1667.0	1535.3	1406.2	1263.6	1124.5	985.3	849.4	712.3	596.2	491.4
22.5°	1946.6	1819.2	1675.4	1528.6	1365.9	1205.4	1044.0	884.2	729.9	598.3	481.7
25°	2053.9	1915.2	1759.2	1596.5	1415.0	1238.1	1056.9	882.1	713.6	573.1	449.4
26°	2079.5	1937.4	1777.2	1608.3	1422.1	1240.6	1050.7	870.4	698.1	554.7	429.7
27°	2095.9	1949.6	1785.2	1611.2	1421.7	1243.5	1036.4	851.9	676.3	532.0	407.1
28°	2101.7	1952.5	1784.8	1605.3	1412.1	1214.6	1014.2	825.5	652.4	504.8	381.1
29°	2100.9	1948.7	1776.4	1591.1	1394.0	1190.3	983.6	792.8	619.7	474.2	353.0
30°	2092.5	1936.1	1759.2	1567.2	1366.8	1156.3	944.2	753.4	583.6	440.6	322.4
31°	2075.3	1914.8	1731.5	1532.0	1329.0	1113.1	898.1	709.0	543.8	404.6	291.0
32°	2049.3	1884.1	1694.2	1488.4	1282.9	1062.8	846.1	654.5	501.4	367.7	263.7
33°	2015.8	1845.2	1649.4	1437.2	1230.9	1005.0	788.6	616.3	458.2	330.4	228.1
34°	1973.0	1797.8	1594.9	1378.1	1170.6	940.8	729.1	558.0	414.6	292.6	201.2
35°	1921.9	1740.8	1532.8	1312.7	1103.5	871.2	675.0	506.0	370.2	254.9	171.1
36°	1864.4	1677.5	1463.2	1242.3	1030.1	800.4	613.4	454.1	326.2	218.0	144.2
37°	1801.6	1607.9	1389.4	1165.1	951.3	727.0	551.7	402.9	283.0	182.8	122.8
38°	1730.7	1529.9	1307.7	1080.0	867.0	654.0	491.0	351.8	239.8	151.4	107.3
39°	1648.5	1441.0	1218.8	986.1	780.7	580.7	431.0	301.4	199.1	126.2	95.6
40°	1557.1	1346.7	1121.5	886.7	693.5	509.4	372.3	252.8	162.7	109.0	85.5
42.5°	1288.8	1070.4	844.4	651.9	490.5	346.3	238.6	151.4	105.2	80.9	62.9
45°	971.8	767.2	583.2	439.0	319.1	207.5	135.8	96.4	74.6	56.2	44.0
47.5°	636.0	478.0	340.0	236.0	159.7	106.5	83.0	62.9	48.6	37.3	29.8
50°	239.8	176.9	137.5	109.8	86.8	65.8	52.0	39.8	30.6	23.5	18.9
51°	177.3	143.0	112.8	90.1	71.7	54.5	42.3	31.4	24.3	18.9	15.5
52°	145.5	117.4	92.7	73.8	58.3	42.3	32.7	24.7	19.7	15.5	12.6
53°	119.1	95.6	74.6	58.3	44.4	32.3	25.2	19.7	15.9	12.6	10.5
54°	94.8	74.2	55.8	42.8	33.1	24.3	19.7	15.5	12.6	10.5	8.8
55°	70.4	53.7	39.8	31.4	24.7	18.9	15.5	12.6	10.5	8.4	7.1
57.5°	28.9	23.1	18.9	15.5	13.0	10.5	8.8	7.5	6.3	5.0	4.2
60°	13.4	11.3	10.1	8.4	7.1	5.9	5.0	4.6	3.8	3.4	2.9
61°	10.5	8.8	7.5	6.7	5.9	4.6	4.2	3.8	3.4	2.9	2.5
62°	8.0	6.7	5.9	5.0	4.6	3.8	3.4	2.9	2.5	2.5	2.1
63°	5.9	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.5	2.1	2.1
64°	4.6	4.2	3.8	3.4	2.9	2.5	2.5	2.1	2.1	1.7	1.7
65°	3.4	3.4	2.9	2.5	2.5	2.1	2.1	2.1	1.7	1.7	1.7
66°	2.9	2.5	2.1	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7



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CATALOG NUMBER: LDA6A15930D010TE 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°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
80°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3
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°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	98.1	97.7	94.8	93.5	91.8	89.7	88.0	86.8	84.7	83.0	81.3
5°	128.7	124.1	116.6	111.5	106.9	102.3	98.5	95.2	91.4	88.0	84.7
7.5°	185.7	170.2	151.4	137.1	125.4	114.9	107.3	101.0	95.2	90.1	84.3
10°	249.5	220.9	192.0	164.8	143.4	125.4	112.8	103.1	95.2	88.5	80.9
12.5°	308.2	266.2	223.9	187.4	156.0	131.2	114.0	101.9	92.7	84.3	75.5
15°	358.0	301.9	248.2	201.2	162.3	131.6	111.9	98.5	88.0	78.0	69.2
17.5°	389.5	318.2	254.9	200.8	158.1	124.9	105.2	92.2	80.5	70.4	62.1
20°	396.2	314.4	245.3	186.2	143.4	112.4	96.0	82.6	70.9	62.1	54.9
22.5°	379.4	293.1	219.7	161.0	122.8	99.4	85.5	72.5	62.9	55.8	49.9
25°	343.4	255.7	184.5	132.1	105.2	87.6	75.0	64.6	57.4	52.8	49.5
26°	324.5	237.3	168.5	121.6	99.4	83.4	71.7	62.5	56.6	53.2	50.7
27°	302.7	217.6	152.6	112.4	93.9	78.0	67.5	59.1	53.7	50.7	49.1
28°	278.8	196.6	137.5	104.0	87.2	71.3	61.6	53.7	48.2	44.9	41.9
29°	253.7	175.7	123.7	96.4	80.5	65.4	56.2	48.6	43.2	39.8	36.9
30°	227.2	155.5	111.9	89.7	73.8	60.0	51.6	44.4	39.4	36.1	33.1
31°	201.7	137.1	103.6	82.6	67.9	55.3	47.8	41.9	36.9	33.5	31.4
32°	176.1	121.6	95.6	75.9	62.5	52.0	44.4	39.4	35.2	32.3	30.6
33°	153.0	108.6	88.5	69.6	57.9	48.6	42.3	37.7	34.0	31.4	29.8
34°	132.5	99.8	80.5	63.3	53.2	44.9	39.0	34.8	31.0	28.9	26.8
35°	115.7	90.6	72.5	57.0	47.8	40.2	35.2	31.0	27.7	25.6	23.5
36°	102.7	81.3	64.6	50.7	42.8	36.5	31.4	27.7	24.7	22.6	21.0
37°	92.7	73.0	57.9	45.7	39.0	32.7	28.5	25.2	22.2	20.1	18.4
38°	83.4	65.0	52.0	41.5	35.2	29.8	25.6	23.1	20.1	18.0	16.4
39°	74.2	57.0	46.5	37.7	32.3	27.3	23.5	21.0	18.0	16.4	14.7
40°	65.8	51.1	41.9	34.0	29.3	24.3	21.4	18.9	16.4	14.7	13.0
42.5°	48.6	38.2	31.9	26.0	22.2	18.9	16.4	13.8	12.2	10.9	9.6
45°	34.8	27.7	23.1	18.9	15.9	13.4	11.3	10.1	8.8	8.0	7.1
47.5°	23.5	18.9	15.9	12.6	10.9	9.2	8.0	7.1	6.3	5.5	5.0
50°	15.1	12.2	10.5	8.4	7.1	6.3	5.5	4.6	4.2	3.8	3.8
51°	12.6	10.1	8.8	7.1	6.3	5.5	4.6	4.2	3.8	3.4	2.9
52°	10.5	8.4	7.1	5.9	5.0	4.6	3.8	3.4	2.9	2.9	2.9
53°	8.8	7.1	6.3	5.0	4.6	3.8	3.4	2.9	2.5	2.5	2.5
54°	7.1	5.9	5.0	4.2	3.8	3.4	2.9	2.5	2.5	2.1	2.1
55°	5.9	5.0	4.2	3.8	3.4	2.9	2.5	2.1	2.1	2.1	2.1
57.5°	3.8	3.4	2.9	2.5	2.1	2.1	1.7	1.7	1.7	1.7	1.7
60°	2.5	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
61°	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62°	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
63°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
64°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
66°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P175588

CATALOG NUMBER: LDA6A15930D010TE 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°	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
82.5°	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
85°	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
87.5°	1.3	1.7	1.7	1.7	1.7	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: P175588

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	79.2	78.0	75.9	74.6	62.9	56.6	50.7	50.3
5°	80.9	77.6	74.2	71.3	52.0	43.2	37.3	36.5
7.5°	79.2	74.2	69.6	66.2	43.6	34.0	28.9	28.1
10°	74.6	69.2	63.7	59.5	37.3	28.9	24.3	23.5
12.5°	68.8	62.9	57.4	52.8	32.3	26.0	22.2	21.4
15°	62.1	56.2	51.6	47.4	29.8	23.9	21.4	20.5
17.5°	55.8	50.3	46.1	42.3	27.7	23.1	21.8	22.2
20°	49.5	45.3	41.5	38.6	28.5	27.3	31.4	35.2
22.5°	45.7	42.8	40.7	38.6	44.0	67.9	153.4	182.0
25°	47.8	47.4	48.6	51.6	90.1	114.0	100.6	101.9
26°	50.3	51.1	53.2	56.2	77.1	71.7	65.8	70.4
27°	48.6	49.1	48.6	48.2	50.7	50.3	52.8	57.4
28°	40.7	39.8	39.0	37.7	38.6	42.8	48.6	52.4
29°	35.2	34.4	33.1	31.9	33.5	41.5	47.0	49.5
30°	31.9	30.6	29.3	28.5	33.5	41.1	44.9	46.1
31°	29.8	28.9	28.1	28.1	34.0	39.0	41.1	41.5
32°	29.8	28.9	28.5	28.5	31.4	34.8	36.1	36.5
33°	28.9	28.1	26.8	26.4	27.7	30.2	31.4	31.4
34°	25.6	24.7	23.9	22.6	23.9	26.0	27.3	26.8
35°	22.2	21.4	20.5	19.7	20.5	22.6	23.1	22.6
36°	19.3	18.4	17.6	16.8	17.6	19.3	19.7	19.3
37°	17.2	16.4	15.5	14.7	14.7	16.8	17.2	16.4
38°	15.5	14.3	13.4	13.0	13.0	14.7	14.7	13.8
39°	13.8	13.0	12.2	11.3	11.3	12.6	12.6	11.7
40°	12.2	11.3	10.5	10.1	10.1	10.9	10.9	10.1
42.5°	8.8	8.4	8.0	7.5	7.5	8.4	8.0	7.1
45°	6.7	6.3	5.9	5.9	5.9	6.3	5.5	5.0
47.5°	4.6	4.6	4.2	4.2	4.2	4.6	4.2	3.8
50°	3.4	3.4	2.9	2.9	3.4	3.4	2.9	2.1
51°	2.9	2.9	2.9	2.5	2.9	2.9	2.5	2.1
52°	2.5	2.5	2.5	2.5	2.5	2.5	2.1	1.7
53°	2.1	2.1	2.1	2.1	2.1	2.1	1.7	1.3
54°	2.1	2.1	2.1	2.1	2.1	2.1	1.3	1.3
55°	2.1	2.1	2.1	2.1	2.1	1.7	1.3	0.8
57.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.3	0.8
60°	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.4
61°	1.7	1.7	1.7	1.7	2.1	1.7	0.8	0.4
62°	1.7	1.7	1.7	1.7	2.1	1.7	0.8	0.4
63°	1.7	1.7	1.7	1.7	2.1	1.7	0.8	0.4
64°	1.7	1.7	1.7	2.1	2.1	1.7	0.8	0.4
65°	1.7	1.7	2.1	2.1	2.1	1.7	0.8	0.4
66°	1.7	2.1	2.1	2.1	2.1	1.7	0.8	0.4



TEST NUMBER: P175588

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	1.7	2.1	2.1	2.1	2.1	1.7	1.3	0.8
75°	1.7	2.1	2.1	2.1	2.1	1.7	1.3	0.8
77.5°	2.1	2.1	2.1	2.1	2.1	1.7	1.3	0.8
80°	2.1	2.1	2.1	2.1	2.1	1.7	1.3	0.8
82.5°	2.1	2.1	2.1	2.1	2.1	1.7	1.3	0.8
85°	2.1	2.1	2.1	2.1	2.1	1.7	1.3	0.8
87.5°	2.1	2.1	2.1	2.1	2.1	1.7	0.8	0.4
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°	3.4	2.9	2.9	2.9	2.9	2.5	2.5	2.5	2.1	2.1	1.7
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.8





67.5°	1.7	1.7	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3





67.5°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7





67.5°	1.7	2.1	2.1	2.1	2.1	1.7	0.8	0.8
70°	1.7	1.7	2.1	2.1	2.1	1.7	1.3	0.8



(END OF REPORT)