

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: P175589

Luminaire Tested: **LDA6A15935D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175589
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: LDA6A15935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1051.7 lumens
Efficiency: N/A
Efficacy: 47.2 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

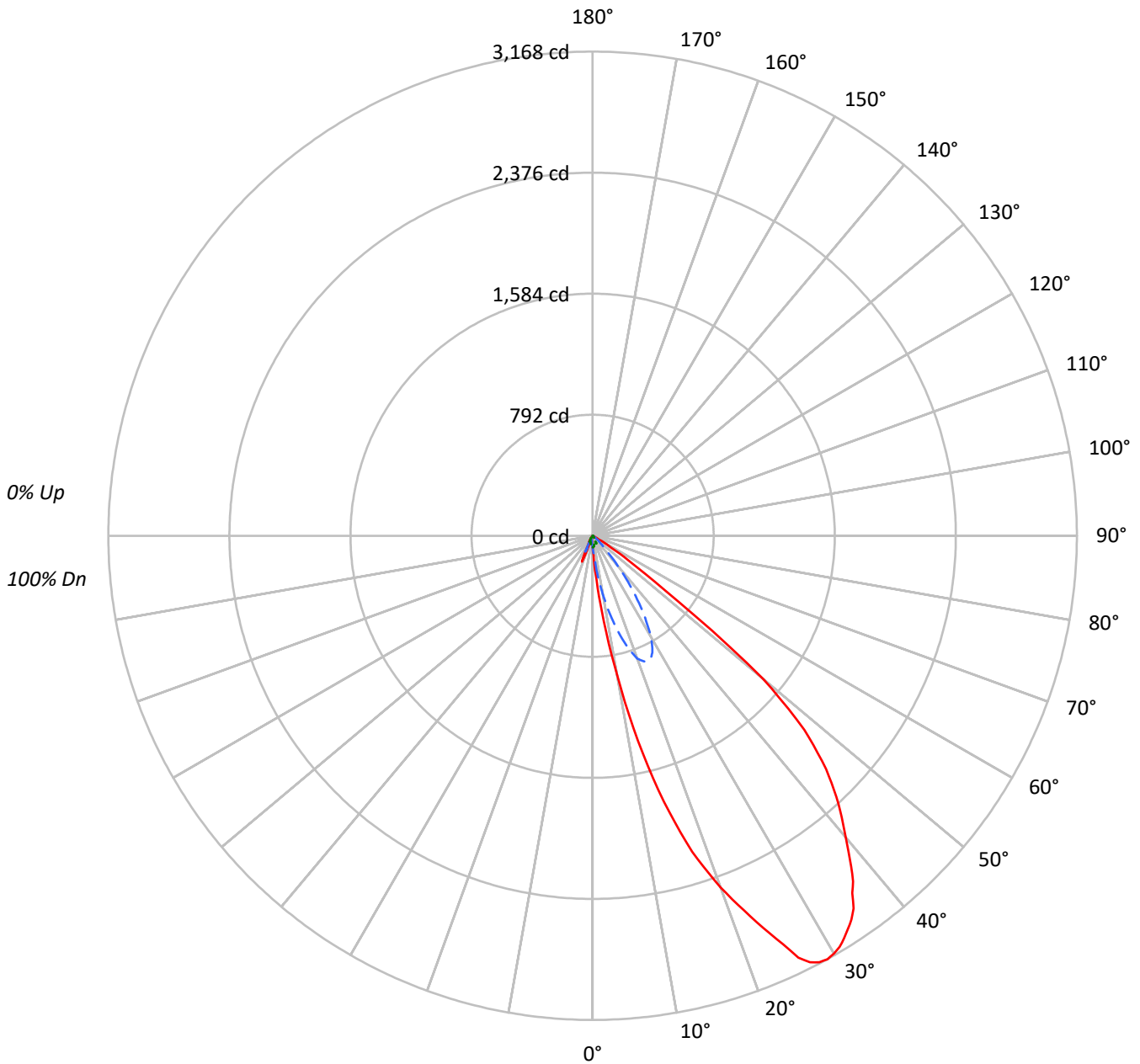
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4216	4216	4216
5°	15926	3951	2025
10°	51764	3340	1319
15°	102242	2707	1175
20°	142807	2269	2071
25°	178353	3145	6212
30°	199809	1817	2943
35°	199197	1332	1526
40°	184403	723	723
45°	167475	457	395
50°	124201	256	179
55°	30326	201	76
60°	5372	186	44
65°	986	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°	14.7	1.4
10°-20°	118.6	11.3
20°-30°	288.0	27.4
30°-40°	340.0	32.3
40°-50°	241.1	22.9
50°-60°	43.7	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°	421.3	40.1
0°-40°	761.3	72.4
0°-60°	1046.2	99.5
0°-90°	1051.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	77	77	77	77	77	
5°	289	166	72	44	37	48
15°	1802	655	48	24	21	521
25°	2949	889	52	115	103	1357
35°	2976	510	20	23	23	1834
45°	2160	97	6	6	5	1622
55°	317	13	2	2	1	412
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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	128.9	125.9	125.9	127.2	127.6	125.1	125.1	121.7	120.0	120.4	117.0
5°	289.4	295.3	283.5	285.2	283.9	275.9	272.5	261.1	253.5	249.7	237.4
7.5°	565.3	556.4	538.7	539.5	534.9	521.8	510.8	490.9	474.0	461.8	439.4
10°	929.9	932.4	904.1	901.6	890.6	865.7	841.2	802.7	768.1	741.1	699.7
12.5°	1376.1	1350.3	1340.2	1333.0	1315.2	1281.0	1243.0	1189.7	1136.9	1091.7	1027.9
15°	1801.5	1787.2	1771.9	1759.7	1737.3	1694.2	1646.5	1579.7	1510.8	1451.3	1370.6
17.5°	2169.1	2151.8	2133.6	2119.2	2079.9	2049.5	1985.3	1930.0	1851.4	1780.4	1683.2
20°	2447.9	2438.6	2417.5	2397.7	2355.8	2316.1	2249.4	2186.4	2099.4	2009.4	1916.4
22.5°	2694.7	2680.7	2654.1	2624.1	2571.7	2519.3	2442.5	2372.3	2277.3	2181.3	2081.2
25°	2948.6	2942.3	2901.7	2853.5	2779.6	2705.7	2609.8	2523.1	2415.8	2314.9	2198.2
26°	3071.5	3042.8	3001.4	2945.2	2858.2	2768.6	2664.7	2569.6	2455.1	2344.4	2227.8
27°	3132.8	3110.4	3074.1	3017.0	2926.2	2820.6	2706.1	2603.8	2482.6	2368.1	2247.3
28°	3161.1	3142.1	3112.1	3059.3	2971.0	2852.3	2731.9	2623.7	2497.4	2379.1	2254.4
29°	3167.5	3152.7	3126.5	3077.9	2995.1	2873.8	2745.4	2632.6	2503.7	2382.9	2256.1
30°	3156.5	3148.0	3127.7	3081.3	3001.4	2880.2	2747.9	2632.6	2502.0	2379.1	2249.4
31°	3138.3	3133.2	3116.3	3072.8	2995.1	2872.1	2738.2	2622.4	2491.0	2366.8	2234.2
32°	3104.1	3108.7	3094.8	3052.1	2975.2	2851.4	2719.2	2604.7	2472.9	2347.4	2210.9
33°	3067.7	3079.2	3066.5	3020.4	2941.0	2818.1	2690.9	2579.3	2447.1	2320.3	2180.5
34°	3028.0	3041.1	3025.1	2973.1	2891.1	2772.4	2652.4	2544.3	2412.9	2285.7	2140.8
35°	2976.5	2987.5	2966.3	2911.4	2827.8	2715.4	2604.7	2499.1	2369.4	2240.1	2091.8
36°	2889.9	2916.5	2894.5	2837.9	2755.9	2653.3	2550.6	2447.9	2319.5	2189.8	2038.1
37°	2831.6	2836.6	2815.1	2757.6	2682.0	2590.7	2493.6	2393.4	2266.7	2133.6	1979.4
38°	2747.5	2749.6	2728.1	2674.4	2608.9	2525.3	2432.3	2334.7	2208.0	2072.8	1913.9
39°	2659.6	2659.2	2639.8	2593.7	2535.4	2455.5	2365.6	2269.7	2141.2	2002.6	1837.4
40°	2576.8	2575.5	2558.6	2516.4	2459.8	2382.5	2294.2	2197.8	2066.9	1924.9	1752.9
42.5°	2380.8	2372.3	2355.4	2314.0	2259.9	2183.5	2091.4	1987.4	1848.4	1688.3	1493.9
45°	2160.2	2142.1	2124.3	2076.6	2015.7	1933.8	1830.3	1712.4	1556.9	1381.6	1179.6
47.5°	1878.0	1853.5	1836.2	1781.7	1712.4	1620.3	1502.0	1373.5	1209.6	1021.6	815.4
50°	1456.3	1401.8	1383.7	1297.9	1204.5	1085.4	936.7	788.0	622.8	469.0	328.3
51°	1156.8	1096.0	1078.2	990.3	899.9	790.1	654.9	529.0	400.5	295.7	219.7
52°	845.4	788.8	772.7	693.3	617.3	529.0	428.4	345.6	273.4	221.0	177.4
53°	583.5	546.7	532.3	479.1	428.8	372.2	311.4	261.1	214.6	177.4	144.9
54°	430.5	405.6	394.2	355.7	319.4	279.7	237.9	203.6	171.5	144.1	117.0
55°	317.3	298.7	290.7	264.1	240.4	213.4	185.5	161.0	136.0	113.2	88.7
57.5°	143.6	134.4	131.0	119.6	110.3	102.2	83.2	69.7	56.6	45.6	35.5
60°	49.0	45.2	43.9	39.7	37.2	34.6	29.2	24.9	21.5	18.6	15.6
61°	31.3	29.2	28.3	26.2	24.9	23.7	20.3	17.7	15.6	13.9	11.8
62°	21.1	19.9	19.4	18.2	17.3	16.9	14.8	13.1	11.4	10.1	8.9
63°	14.8	13.9	13.9	13.1	12.7	12.3	10.6	9.7	8.4	7.6	6.8
64°	10.6	10.1	9.7	9.3	8.9	8.9	7.6	7.2	6.3	5.9	5.1
65°	7.6	7.2	7.2	6.8	6.8	6.3	5.9	5.1	4.6	4.2	3.8
66°	5.5	5.1	5.1	5.1	4.6	4.6	4.2	3.8	3.4	3.4	3.0



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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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	117.9	114.9	114.1	113.2	112.0	110.7	106.9	106.0	105.2	101.8	101.0
5°	234.1	222.2	214.6	206.6	198.2	188.4	172.8	165.6	158.0	144.9	138.6
7.5°	426.3	402.2	382.8	362.9	343.1	319.8	289.4	271.2	251.8	226.0	208.7
10°	668.4	624.0	586.0	549.2	513.8	473.2	433.5	393.8	360.0	319.8	287.3
12.5°	973.0	900.8	838.2	776.5	715.7	650.6	587.3	525.6	465.6	412.4	362.1
15°	1298.3	1205.0	1117.5	1029.6	937.5	839.9	744.4	655.3	570.4	496.0	428.0
17.5°	1575.9	1469.9	1357.9	1248.5	1131.0	1000.0	883.0	768.1	659.1	563.2	475.7
20°	1800.7	1679.8	1547.2	1417.1	1273.4	1133.1	992.9	856.0	717.8	600.8	495.2
22.5°	1961.7	1833.2	1688.3	1540.4	1376.5	1214.7	1052.0	891.0	735.6	602.9	485.4
25°	2069.8	1930.0	1772.8	1608.9	1425.9	1247.6	1065.1	888.9	719.1	577.6	452.9
26°	2095.6	1952.4	1791.0	1620.7	1433.1	1250.2	1058.8	877.1	703.5	559.0	433.1
27°	2112.1	1964.6	1799.0	1623.7	1432.7	1253.1	1044.4	858.5	681.5	536.1	410.2
28°	2118.0	1967.6	1798.6	1617.7	1423.0	1224.0	1022.0	831.9	657.4	508.7	384.0
29°	2117.1	1963.8	1790.1	1603.4	1404.8	1199.5	991.2	798.9	624.4	477.8	355.7
30°	2108.7	1951.1	1772.8	1579.3	1377.3	1165.2	951.5	759.2	588.1	444.0	324.9
31°	2091.4	1929.5	1744.9	1543.8	1339.3	1121.7	905.0	714.4	548.0	407.7	293.2
32°	2065.2	1898.7	1707.3	1499.9	1292.8	1071.0	852.6	659.5	505.3	370.5	265.8
33°	2031.4	1859.4	1662.1	1448.3	1240.4	1012.7	794.7	621.1	461.8	332.9	229.8
34°	1988.3	1811.7	1607.2	1388.7	1179.6	948.1	734.7	562.3	417.8	294.9	202.8
35°	1936.7	1754.2	1544.6	1322.8	1112.0	877.9	680.2	510.0	373.1	256.9	172.4
36°	1878.8	1690.4	1474.5	1251.9	1038.1	806.5	618.1	457.6	328.7	219.7	145.3
37°	1815.5	1620.3	1400.2	1174.1	958.6	732.6	556.0	406.0	285.2	184.2	123.8
38°	1744.1	1541.7	1317.8	1088.4	873.7	659.1	494.7	354.5	241.7	152.5	108.2
39°	1661.3	1452.1	1228.2	993.7	786.7	585.2	434.3	303.8	200.7	127.2	96.3
40°	1569.2	1357.1	1130.2	893.6	698.8	513.3	375.2	254.8	163.9	109.8	86.2
42.5°	1298.8	1078.6	850.9	657.0	494.3	349.0	240.4	152.5	106.0	81.5	63.4
45°	979.3	773.2	587.7	442.4	321.5	209.1	136.9	97.2	75.2	56.6	44.4
47.5°	640.9	481.6	342.6	237.9	161.0	107.3	83.7	63.4	49.0	37.6	30.0
50°	241.7	178.3	138.6	110.7	87.5	66.3	52.4	40.1	30.8	23.7	19.0
51°	178.7	144.1	113.7	90.8	72.2	54.9	42.7	31.7	24.5	19.0	15.6
52°	146.6	118.3	93.4	74.4	58.7	42.7	33.0	24.9	19.9	15.6	12.7
53°	120.0	96.3	75.2	58.7	44.8	32.5	25.3	19.9	16.1	12.7	10.6
54°	95.5	74.8	56.2	43.1	33.4	24.5	19.9	15.6	12.7	10.6	8.9
55°	71.0	54.1	40.1	31.7	24.9	19.0	15.6	12.7	10.6	8.4	7.2
57.5°	29.2	23.2	19.0	15.6	13.1	10.6	8.9	7.6	6.3	5.1	4.2
60°	13.5	11.4	10.1	8.4	7.2	5.9	5.1	4.6	3.8	3.4	3.0
61°	10.6	8.9	7.6	6.8	5.9	4.6	4.2	3.8	3.4	3.0	2.5
62°	8.0	6.8	5.9	5.1	4.6	3.8	3.4	3.0	2.5	2.5	2.1
63°	5.9	5.1	4.6	4.2	3.8	3.4	3.0	2.5	2.5	2.1	2.1
64°	4.6	4.2	3.8	3.4	3.0	2.5	2.5	2.1	2.1	1.7	1.7
65°	3.4	3.4	3.0	2.5	2.5	2.1	2.1	2.1	1.7	1.7	1.7
66°	3.0	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: LDA6A15935D010TE 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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	98.9	98.4	95.5	94.2	92.5	90.4	88.7	87.5	85.3	83.7	82.0
5°	129.7	125.1	117.5	112.4	107.7	103.1	99.3	95.9	92.1	88.7	85.3
7.5°	187.2	171.5	152.5	138.2	126.3	115.8	108.2	101.8	95.9	90.8	84.9
10°	251.4	222.7	193.5	166.0	144.5	126.3	113.7	103.9	95.9	89.1	81.5
12.5°	310.5	268.3	225.6	188.9	157.2	132.2	114.9	102.7	93.4	84.9	76.0
15°	360.8	304.2	250.1	202.8	163.5	132.7	112.8	99.3	88.7	78.6	69.7
17.5°	392.5	320.7	256.9	202.4	159.3	125.9	106.0	92.9	81.1	71.0	62.5
20°	399.3	316.9	247.2	187.6	144.5	113.2	96.8	83.2	71.4	62.5	55.3
22.5°	382.4	295.3	221.4	162.2	123.8	100.1	86.2	73.1	63.4	56.2	50.3
25°	346.0	257.7	185.9	133.1	106.0	88.3	75.6	65.1	57.9	53.2	49.9
26°	327.0	239.1	169.8	122.5	100.1	84.1	72.2	63.0	57.0	53.7	51.1
27°	305.0	219.3	153.8	113.2	94.6	78.6	68.0	59.6	54.1	51.1	49.4
28°	281.0	198.2	138.6	104.8	87.9	71.8	62.1	54.1	48.6	45.2	42.2
29°	255.6	177.0	124.6	97.2	81.1	65.9	56.6	49.0	43.5	40.1	37.2
30°	229.0	156.7	112.8	90.4	74.4	60.4	52.0	44.8	39.7	36.3	33.4
31°	203.2	138.2	104.4	83.2	68.4	55.8	48.2	42.2	37.2	33.8	31.7
32°	177.4	122.5	96.3	76.5	63.0	52.4	44.8	39.7	35.5	32.5	30.8
33°	154.2	109.4	89.1	70.1	58.3	49.0	42.7	38.0	34.2	31.7	30.0
34°	133.5	100.6	81.1	63.8	53.7	45.2	39.3	35.1	31.3	29.2	27.0
35°	116.6	91.3	73.1	57.5	48.2	40.6	35.5	31.3	27.9	25.8	23.7
36°	103.5	82.0	65.1	51.1	43.1	36.8	31.7	27.9	24.9	22.8	21.1
37°	93.4	73.5	58.3	46.1	39.3	33.0	28.7	25.3	22.4	20.3	18.6
38°	84.1	65.5	52.4	41.8	35.5	30.0	25.8	23.2	20.3	18.2	16.5
39°	74.8	57.5	46.9	38.0	32.5	27.5	23.7	21.1	18.2	16.5	14.8
40°	66.3	51.5	42.2	34.2	29.6	24.5	21.5	19.0	16.5	14.8	13.1
42.5°	49.0	38.4	32.1	26.2	22.4	19.0	16.5	13.9	12.3	11.0	9.7
45°	35.1	27.9	23.2	19.0	16.1	13.5	11.4	10.1	8.9	8.0	7.2
47.5°	23.7	19.0	16.1	12.7	11.0	9.3	8.0	7.2	6.3	5.5	5.1
50°	15.2	12.3	10.6	8.4	7.2	6.3	5.5	4.6	4.2	3.8	3.8
51°	12.7	10.1	8.9	7.2	6.3	5.5	4.6	4.2	3.8	3.4	3.0
52°	10.6	8.4	7.2	5.9	5.1	4.6	3.8	3.4	3.0	3.0	3.0
53°	8.9	7.2	6.3	5.1	4.6	3.8	3.4	3.0	2.5	2.5	2.5
54°	7.2	5.9	5.1	4.2	3.8	3.4	3.0	2.5	2.5	2.1	2.1
55°	5.9	5.1	4.2	3.8	3.4	3.0	2.5	2.1	2.1	2.1	2.1
57.5°	3.8	3.4	3.0	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: P175589

CATALOG NUMBER: LDA6A15935D010TE 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: P175589

CATALOG NUMBER: LDA6A15935D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	79.9	78.6	76.5	75.2	63.4	57.0	51.1	50.7
5°	81.5	78.2	74.8	71.8	52.4	43.5	37.6	36.8
7.5°	79.9	74.8	70.1	66.8	43.9	34.2	29.2	28.3
10°	75.2	69.7	64.2	60.0	37.6	29.2	24.5	23.7
12.5°	69.3	63.4	57.9	53.2	32.5	26.2	22.4	21.5
15°	62.5	56.6	52.0	47.7	30.0	24.1	21.5	20.7
17.5°	56.2	50.7	46.5	42.7	27.9	23.2	22.0	22.4
20°	49.9	45.6	41.8	38.9	28.7	27.5	31.7	35.5
22.5°	46.1	43.1	41.0	38.9	44.4	68.4	154.6	183.4
25°	48.2	47.7	49.0	52.0	90.8	114.9	101.4	102.7
26°	50.7	51.5	53.7	56.6	77.7	72.2	66.3	71.0
27°	49.0	49.4	49.0	48.6	51.1	50.7	53.2	57.9
28°	41.0	40.1	39.3	38.0	38.9	43.1	49.0	52.8
29°	35.5	34.6	33.4	32.1	33.8	41.8	47.3	49.9
30°	32.1	30.8	29.6	28.7	33.8	41.4	45.2	46.5
31°	30.0	29.2	28.3	28.3	34.2	39.3	41.4	41.8
32°	30.0	29.2	28.7	28.7	31.7	35.1	36.3	36.8
33°	29.2	28.3	27.0	26.6	27.9	30.4	31.7	31.7
34°	25.8	24.9	24.1	22.8	24.1	26.2	27.5	27.0
35°	22.4	21.5	20.7	19.9	20.7	22.8	23.2	22.8
36°	19.4	18.6	17.7	16.9	17.7	19.4	19.9	19.4
37°	17.3	16.5	15.6	14.8	14.8	16.9	17.3	16.5
38°	15.6	14.4	13.5	13.1	13.1	14.8	14.8	13.9
39°	13.9	13.1	12.3	11.4	11.4	12.7	12.7	11.8
40°	12.3	11.4	10.6	10.1	10.1	11.0	11.0	10.1
42.5°	8.9	8.4	8.0	7.6	7.6	8.4	8.0	7.2
45°	6.8	6.3	5.9	5.9	5.9	6.3	5.5	5.1
47.5°	4.6	4.6	4.2	4.2	4.2	4.6	4.2	3.8
50°	3.4	3.4	3.0	3.0	3.4	3.4	3.0	2.1
51°	3.0	3.0	3.0	2.5	3.0	3.0	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: P175589

CATALOG NUMBER: LDA6A15935D010TE 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	3.0	3.0	3.0	3.0	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)