

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: P175590

Luminaire Tested: **LDA6A15940D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175590
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: LDA6A15940D010TE 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 / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1129.3 lumens
Efficiency: N/A
Efficacy: 50.7 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

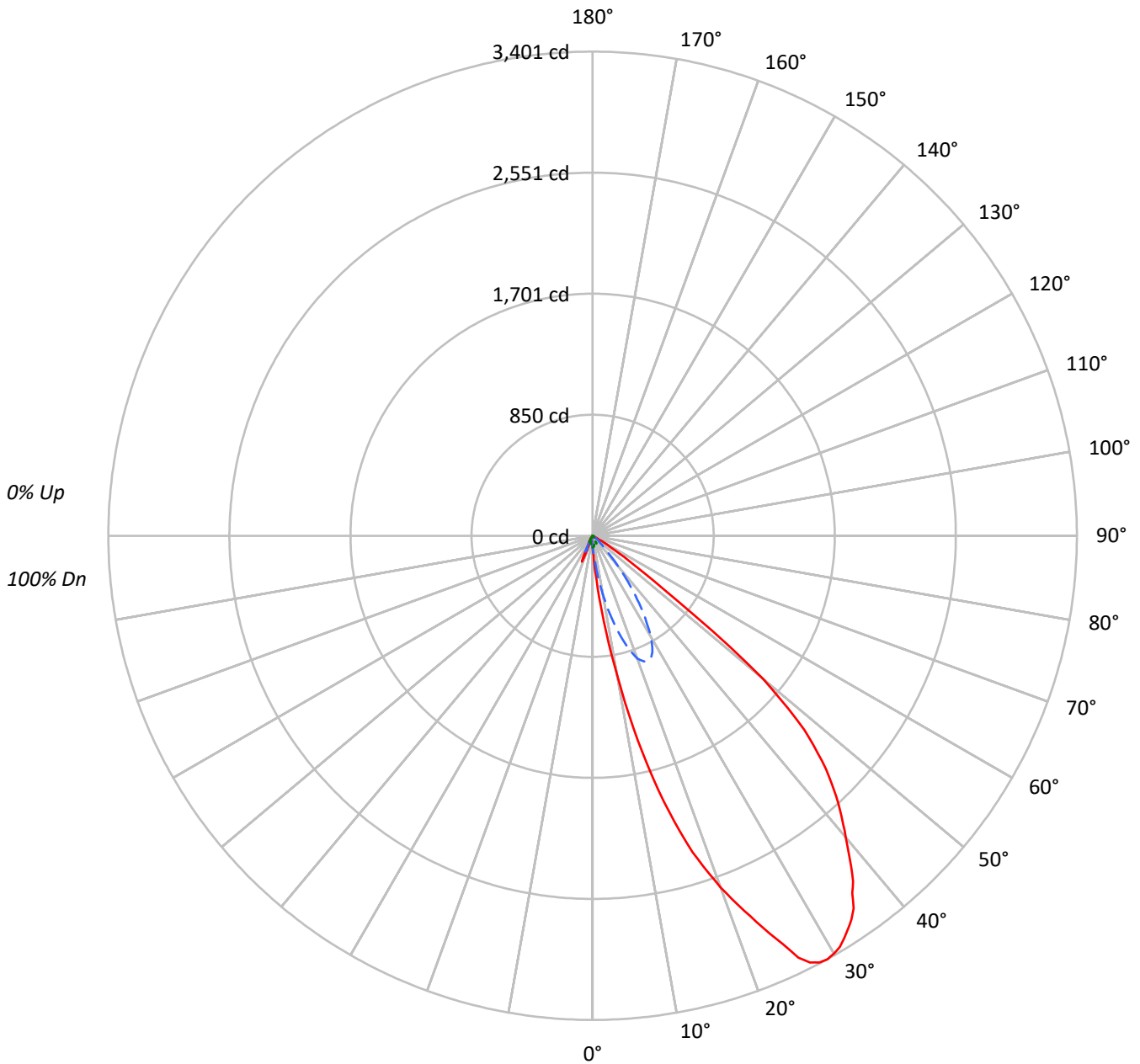
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4528	4528	4528
5°	17098	4243	2174
10°	55582	3585	1414
15°	109779	2911	1260
20°	153337	2433	2223
25°	191497	3375	6666
30°	214533	1950	3159
35°	213879	1425	1640
40°	197992	780	780
45°	179817	496	419
50°	133360	273	196
55°	32563	220	86
60°	5767	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°	15.8	1.4
10°-20°	127.4	11.3
20°-30°	309.2	27.4
30°-40°	365.0	32.3
40°-50°	258.9	22.9
50°-60°	47.0	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°	452.4	40.1
0°-40°	817.4	72.4
0°-60°	1123.3	99.5
0°-90°	1129.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	311	178	77	47	40	52
15°	1934	704	51	26	22	559
25°	3166	954	56	123	110	1457
35°	3196	548	21	24	24	1969
45°	2319	104	6	7	5	1741
55°	341	14	2	2	1	442
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°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	138.4	135.2	135.2	136.5	137.0	134.3	134.3	130.6	128.8	129.3	125.7
5°	310.7	317.1	304.4	306.2	304.8	296.2	292.6	280.3	272.2	268.1	254.9
7.5°	607.0	597.4	578.4	579.3	574.3	560.2	548.4	527.1	509.0	495.8	471.8
10°	998.5	1001.2	970.8	968.1	956.3	929.5	903.2	861.9	824.7	795.7	751.2
12.5°	1477.5	1449.8	1438.9	1431.2	1412.2	1375.4	1334.6	1277.4	1220.7	1172.2	1103.7
15°	1934.3	1918.9	1902.5	1889.4	1865.4	1819.1	1767.8	1696.1	1622.2	1558.2	1471.6
17.5°	2329.0	2310.4	2290.9	2275.4	2233.2	2200.6	2131.6	2072.2	1987.8	1911.6	1807.3
20°	2628.4	2618.4	2595.7	2574.4	2529.5	2486.8	2415.2	2347.6	2254.1	2157.5	2057.7
22.5°	2893.3	2878.3	2849.7	2817.5	2761.3	2705.0	2622.5	2547.2	2445.1	2342.1	2234.6
25°	3165.9	3159.1	3115.6	3063.9	2984.5	2905.1	2802.1	2709.1	2593.9	2485.5	2360.3
26°	3297.9	3267.1	3222.6	3162.3	3068.8	2972.7	2861.1	2759.0	2636.1	2517.2	2392.0
27°	3363.7	3339.7	3300.7	3239.4	3141.9	3028.5	2905.5	2795.8	2665.6	2542.6	2412.9
28°	3394.1	3373.7	3341.5	3284.8	3190.0	3062.5	2933.2	2817.1	2681.4	2554.4	2420.6
29°	3400.9	3385.0	3356.9	3304.7	3215.8	3085.6	2947.7	2826.6	2688.2	2558.5	2422.4
30°	3389.1	3380.0	3358.3	3308.4	3222.6	3092.4	2950.4	2826.6	2686.4	2554.4	2415.2
31°	3369.6	3364.2	3346.0	3299.3	3215.8	3083.8	2940.0	2815.7	2674.6	2541.3	2398.8
32°	3332.9	3337.9	3322.9	3277.1	3194.5	3061.6	2919.6	2796.7	2655.1	2520.4	2373.9
33°	3293.9	3306.1	3292.5	3243.0	3157.8	3025.8	2889.2	2769.4	2627.5	2491.4	2341.2
34°	3251.2	3265.3	3248.0	3192.2	3104.2	2976.8	2847.9	2731.8	2590.7	2454.2	2298.6
35°	3195.9	3207.7	3185.0	3126.0	3036.2	2915.5	2796.7	2683.3	2544.0	2405.2	2246.0
36°	3102.9	3131.4	3107.9	3047.1	2959.1	2848.8	2738.6	2628.4	2490.5	2351.2	2188.3
37°	3040.3	3045.7	3022.6	2960.9	2879.7	2781.7	2677.4	2569.8	2433.8	2290.9	2125.3
38°	2950.0	2952.3	2929.1	2871.5	2801.2	2711.4	2611.6	2506.8	2370.7	2225.5	2055.0
39°	2855.6	2855.2	2834.3	2784.9	2722.3	2636.5	2539.9	2436.9	2299.0	2150.2	1972.9
40°	2766.7	2765.4	2747.2	2701.9	2641.1	2558.1	2463.2	2359.8	2219.2	2066.8	1882.1
42.5°	2556.2	2547.2	2529.0	2484.6	2426.5	2344.4	2245.5	2133.9	1984.7	1812.7	1604.1
45°	2319.4	2299.9	2280.9	2229.6	2164.3	2076.3	1965.2	1838.6	1671.6	1483.4	1266.6
47.5°	2016.4	1990.1	1971.5	1913.0	1838.6	1739.7	1612.7	1474.8	1298.8	1096.9	875.5
50°	1563.7	1505.2	1485.7	1393.6	1293.3	1165.4	1005.7	846.0	668.7	503.5	352.5
51°	1242.1	1176.7	1157.7	1063.3	966.2	848.3	703.1	568.0	430.0	317.5	235.9
52°	907.7	846.9	829.7	744.4	662.8	568.0	460.0	371.1	293.5	237.3	190.5
53°	626.5	587.0	571.6	514.4	460.4	399.7	334.3	280.3	230.4	190.5	155.6
54°	462.3	435.5	423.2	382.0	342.9	300.3	255.4	218.7	184.2	154.7	125.7
55°	340.7	320.7	312.1	283.5	258.1	229.1	199.1	172.8	146.1	121.6	95.3
57.5°	154.2	144.3	140.6	128.4	118.4	109.8	89.4	74.8	60.8	49.0	38.1
60°	52.6	48.5	47.2	42.6	39.9	37.2	31.3	26.8	23.1	20.0	16.8
61°	33.6	31.3	30.4	28.1	26.8	25.4	21.8	19.1	16.8	15.0	12.7
62°	22.7	21.3	20.9	19.5	18.6	18.1	15.9	14.1	12.2	10.9	9.5
63°	15.9	15.0	15.0	14.1	13.6	13.2	11.3	10.4	9.1	8.2	7.3
64°	11.3	10.9	10.4	10.0	9.5	9.5	8.2	7.7	6.8	6.4	5.4
65°	8.2	7.7	7.7	7.3	7.3	6.8	6.4	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°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	126.6	123.4	122.5	121.6	120.2	118.9	114.8	113.9	113.0	109.3	108.4
5°	251.3	238.6	230.4	221.8	212.8	202.3	185.5	177.8	169.7	155.6	148.8
7.5°	457.7	431.9	411.0	389.7	368.4	343.4	310.7	291.2	270.4	242.7	224.1
10°	717.7	670.0	629.2	589.7	551.6	508.1	465.4	422.8	386.5	343.4	308.5
12.5°	1044.7	967.2	900.0	833.8	768.5	698.6	630.6	564.3	499.9	442.7	388.8
15°	1394.0	1293.8	1199.9	1105.5	1006.6	901.8	799.3	703.6	612.4	532.6	459.5
17.5°	1692.1	1578.2	1458.0	1340.5	1214.4	1073.8	948.1	824.7	707.7	604.7	510.8
20°	1933.4	1803.7	1661.2	1521.5	1367.3	1216.7	1066.0	919.1	770.7	645.1	531.7
22.5°	2106.2	1968.3	1812.7	1654.0	1477.9	1304.2	1129.6	956.7	789.8	647.3	521.2
25°	2222.4	2072.2	1903.5	1727.4	1531.0	1339.6	1143.6	954.4	772.1	620.1	486.3
26°	2250.0	2096.3	1923.0	1740.1	1538.7	1342.3	1136.8	941.7	755.3	600.2	465.0
27°	2267.7	2109.4	1931.6	1743.3	1538.3	1345.5	1121.4	921.8	731.7	575.7	440.5
28°	2274.1	2112.6	1931.1	1737.0	1527.8	1314.2	1097.3	893.2	705.9	546.2	412.4
29°	2273.2	2108.5	1922.1	1721.5	1508.3	1287.9	1064.2	857.8	670.5	513.1	382.0
30°	2264.1	2094.9	1903.5	1695.7	1478.9	1251.1	1021.6	815.2	631.5	476.8	348.8
31°	2245.5	2071.8	1873.5	1657.6	1438.0	1204.4	971.7	767.1	588.4	437.8	314.8
32°	2217.4	2038.6	1833.1	1610.4	1388.1	1150.0	915.4	708.1	542.5	397.8	285.3
33°	2181.1	1996.5	1784.6	1555.1	1331.9	1087.4	853.3	666.8	495.8	357.5	246.8
34°	2134.8	1945.2	1725.6	1491.1	1266.6	1018.0	788.9	603.8	448.6	316.6	217.7
35°	2079.5	1883.5	1658.5	1420.3	1194.0	942.7	730.4	547.5	400.6	275.8	185.1
36°	2017.3	1815.0	1583.2	1344.1	1114.6	866.0	663.7	491.3	352.9	235.9	156.1
37°	1949.3	1739.7	1503.3	1260.7	1029.3	786.6	597.0	435.9	306.2	197.8	132.9
38°	1872.6	1655.3	1414.9	1168.6	938.1	707.7	531.2	380.6	259.5	163.8	116.1
39°	1783.7	1559.1	1318.7	1067.0	844.7	628.3	466.3	326.2	215.5	136.5	103.4
40°	1684.8	1457.1	1213.5	959.4	750.3	551.2	402.8	273.5	176.0	117.9	92.5
42.5°	1394.5	1158.1	913.6	705.4	530.8	374.7	258.1	163.8	113.9	87.6	68.0
45°	1051.5	830.2	631.0	475.0	345.2	224.5	147.0	104.3	80.7	60.8	47.6
47.5°	688.2	517.1	367.9	255.4	172.8	115.2	89.8	68.0	52.6	40.4	32.2
50°	259.5	191.4	148.8	118.9	93.9	71.2	56.3	43.1	33.1	25.4	20.4
51°	191.9	154.7	122.0	97.5	77.6	59.0	45.8	34.0	26.3	20.4	16.8
52°	157.4	127.0	100.3	79.8	63.1	45.8	35.4	26.8	21.3	16.8	13.6
53°	128.8	103.4	80.7	63.1	48.1	34.9	27.2	21.3	17.2	13.6	11.3
54°	102.5	80.3	60.3	46.3	35.8	26.3	21.3	16.8	13.6	11.3	9.5
55°	76.2	58.1	43.1	34.0	26.8	20.4	16.8	13.6	11.3	9.1	7.7
57.5°	31.3	24.9	20.4	16.8	14.1	11.3	9.5	8.2	6.8	5.4	4.5
60°	14.5	12.2	10.9	9.1	7.7	6.4	5.4	5.0	4.1	3.6	3.2
61°	11.3	9.5	8.2	7.3	6.4	5.0	4.5	4.1	3.6	3.2	2.7
62°	8.6	7.3	6.4	5.4	5.0	4.1	3.6	3.2	2.7	2.7	2.3
63°	6.4	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: LDA6A15940D010TE 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: LDA6A15940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	106.2	105.7	102.5	101.2	99.3	97.1	95.3	93.9	91.6	89.8	88.0
5°	139.3	134.3	126.1	120.7	115.7	110.7	106.6	103.0	98.9	95.3	91.6
7.5°	201.0	184.2	163.8	148.3	135.6	124.3	116.1	109.3	103.0	97.5	91.2
10°	269.9	239.1	207.8	178.3	155.1	135.6	122.0	111.6	103.0	95.7	87.6
12.5°	333.4	288.1	242.2	202.8	168.8	142.0	123.4	110.2	100.3	91.2	81.7
15°	387.4	326.6	268.6	217.7	175.6	142.4	121.1	106.6	95.3	84.4	74.8
17.5°	421.4	344.3	275.8	217.3	171.0	135.2	113.9	99.8	87.1	76.2	67.1
20°	428.7	340.2	265.4	201.4	155.1	121.6	103.9	89.4	76.7	67.1	59.4
22.5°	410.5	317.1	237.7	174.2	132.9	107.5	92.5	78.5	68.0	60.3	54.0
25°	371.5	276.7	199.6	142.9	113.9	94.8	81.2	69.9	62.1	57.2	53.5
26°	351.1	256.8	182.4	131.6	107.5	90.3	77.6	67.6	61.2	57.6	54.9
27°	327.5	235.4	165.1	121.6	101.6	84.4	73.0	64.0	58.1	54.9	53.1
28°	301.7	212.8	148.8	112.5	94.4	77.1	66.7	58.1	52.2	48.5	45.4
29°	274.4	190.1	133.8	104.3	87.1	70.8	60.8	52.6	46.7	43.1	39.9
30°	245.9	168.3	121.1	97.1	79.8	64.9	55.8	48.1	42.6	39.0	35.8
31°	218.2	148.3	112.0	89.4	73.5	59.9	51.7	45.4	39.9	36.3	34.0
32°	190.5	131.6	103.4	82.1	67.6	56.3	48.1	42.6	38.1	34.9	33.1
33°	165.6	117.5	95.7	75.3	62.6	52.6	45.8	40.8	36.7	34.0	32.2
34°	143.3	108.0	87.1	68.5	57.6	48.5	42.2	37.7	33.6	31.3	29.0
35°	125.2	98.0	78.5	61.7	51.7	43.5	38.1	33.6	29.9	27.7	25.4
36°	111.1	88.0	69.9	54.9	46.3	39.5	34.0	29.9	26.8	24.5	22.7
37°	100.3	78.9	62.6	49.4	42.2	35.4	30.8	27.2	24.0	21.8	20.0
38°	90.3	70.3	56.3	44.9	38.1	32.2	27.7	24.9	21.8	19.5	17.7
39°	80.3	61.7	50.4	40.8	34.9	29.5	25.4	22.7	19.5	17.7	15.9
40°	71.2	55.3	45.4	36.7	31.8	26.3	23.1	20.4	17.7	15.9	14.1
42.5°	52.6	41.3	34.5	28.1	24.0	20.4	17.7	15.0	13.2	11.8	10.4
45°	37.7	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	13.2	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	6.4	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	6.4	5.4	4.5	4.1	3.6	3.2	2.7	2.7	2.3	2.3
55°	6.4	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: P175590

CATALOG NUMBER: LDA6A15940D010TE 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: P175590

CATALOG NUMBER: LDA6A15940D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	85.7	84.4	82.1	80.7	68.0	61.2	54.9	54.4
5°	87.6	83.9	80.3	77.1	56.3	46.7	40.4	39.5
7.5°	85.7	80.3	75.3	71.7	47.2	36.7	31.3	30.4
10°	80.7	74.8	69.0	64.4	40.4	31.3	26.3	25.4
12.5°	74.4	68.0	62.1	57.2	34.9	28.1	24.0	23.1
15°	67.1	60.8	55.8	51.3	32.2	25.9	23.1	22.2
17.5°	60.3	54.4	49.9	45.8	29.9	24.9	23.6	24.0
20°	53.5	49.0	44.9	41.7	30.8	29.5	34.0	38.1
22.5°	49.4	46.3	44.0	41.7	47.6	73.5	166.0	196.9
25°	51.7	51.3	52.6	55.8	97.5	123.4	108.9	110.2
26°	54.4	55.3	57.6	60.8	83.5	77.6	71.2	76.2
27°	52.6	53.1	52.6	52.2	54.9	54.4	57.2	62.1
28°	44.0	43.1	42.2	40.8	41.7	46.3	52.6	56.7
29°	38.1	37.2	35.8	34.5	36.3	44.9	50.8	53.5
30°	34.5	33.1	31.8	30.8	36.3	44.5	48.5	49.9
31°	32.2	31.3	30.4	30.4	36.7	42.2	44.5	44.9
32°	32.2	31.3	30.8	30.8	34.0	37.7	39.0	39.5
33°	31.3	30.4	29.0	28.6	29.9	32.7	34.0	34.0
34°	27.7	26.8	25.9	24.5	25.9	28.1	29.5	29.0
35°	24.0	23.1	22.2	21.3	22.2	24.5	24.9	24.5
36°	20.9	20.0	19.1	18.1	19.1	20.9	21.3	20.9
37°	18.6	17.7	16.8	15.9	15.9	18.1	18.6	17.7
38°	16.8	15.4	14.5	14.1	14.1	15.9	15.9	15.0
39°	15.0	14.1	13.2	12.2	12.2	13.6	13.6	12.7
40°	13.2	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°	7.3	6.8	6.4	6.4	6.4	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: P175590

CATALOG NUMBER: LDA6A15940D010TE 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)