

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: P175568

Luminaire Tested: **LDA6A20830D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175568
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: LDA6A20830D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.9 lumens
Efficiency: N/A
Efficacy: 51.9 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

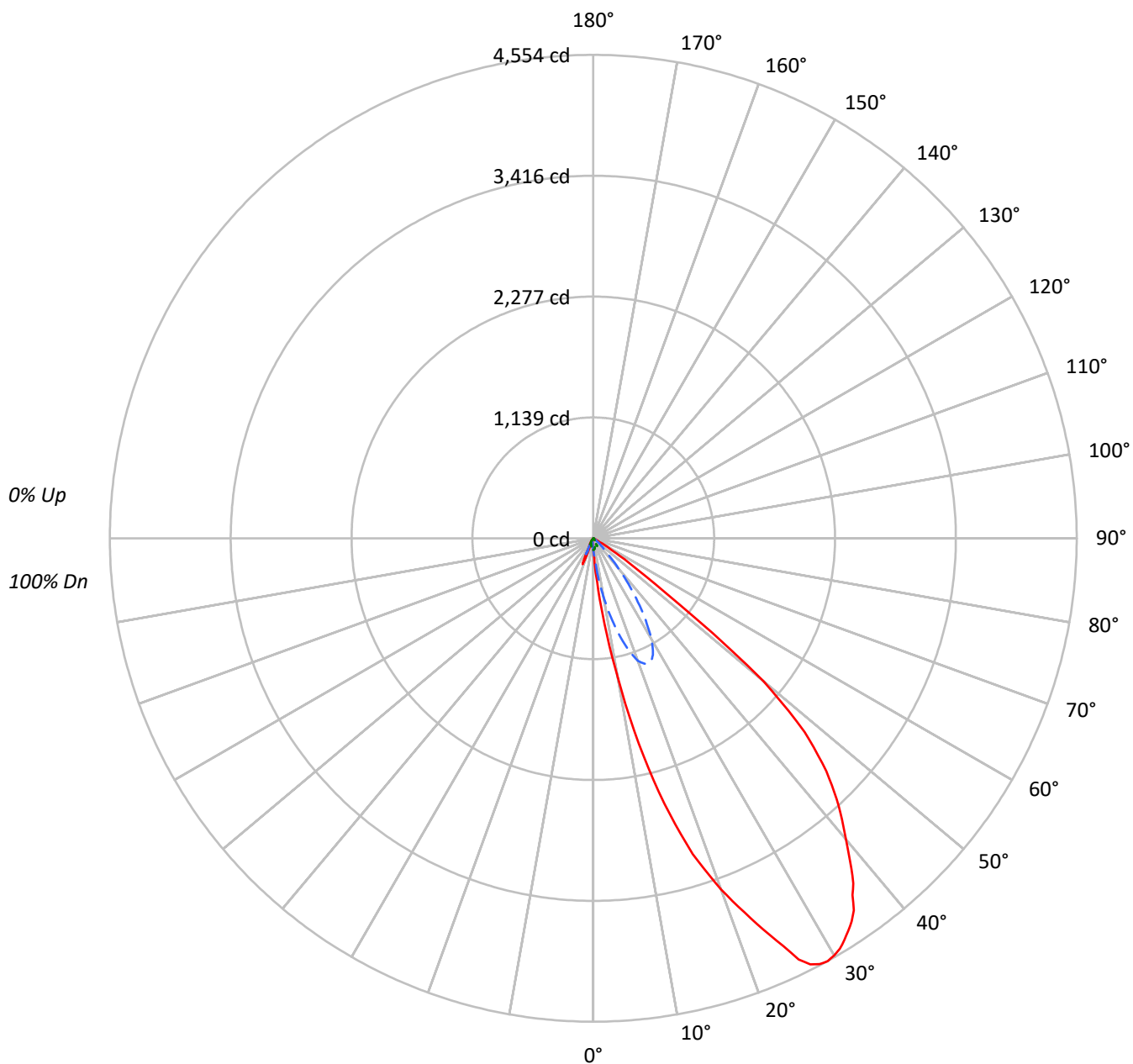
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				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°	6058	6058	6058
5°	22898	5685	2906
10°	74420	4798	1893
15°	146987	3893	1691
20°	205305	3261	2975
25°	256400	4518	8928
30°	287247	2614	4228
35°	286364	1907	2195
40°	265097	1045	1045
45°	240769	659	566
50°	178561	367	256
55°	43592	287	115
60°	7730	263	66
65°	1414	389	78
70°	289	481	192
75°	0	635	254
80°	0	947	379
85°	0	1887	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	1.4
10°-20°	170.6	11.3
20°-30°	414.0	27.4
30°-40°	488.8	32.3
40°-50°	346.7	22.9
50°-60°	62.9	4.2
60°-70°	4.0	0.3
70°-80°	2.1	0.1
80°-90°	1.8	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°	605.7	40.1
0°-40°	1094.5	72.4
0°-60°	1504.0	99.5
0°-90°	1511.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	110	110	110	110	110	
5°	416	238	103	63	53	69
15°	2590	942	69	35	30	749
25°	4239	1278	75	165	148	1950
35°	4279	733	28	33	33	2636
45°	3106	140	8	9	7	2332
55°	456	18	3	2	1	592
65°	11	3	3	2	1	17
75°	0	2	3	2	1	0
85°	0	2	3	2	1	0
90°	0	0	0	0	0	



TEST NUMBER: P175568

CATALOG NUMBER: LDA6A20830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	185.3	181.0	181.0	182.8	183.4	179.8	179.8	174.9	172.5	173.1	168.2
5°	416.1	424.6	407.6	410.0	408.2	396.6	391.8	375.4	364.4	359.0	341.3
7.5°	812.7	799.9	774.4	775.6	768.9	750.1	734.3	705.8	681.5	663.9	631.7
10°	1336.9	1340.5	1299.8	1296.2	1280.4	1244.5	1209.3	1154.0	1104.2	1065.4	1005.8
12.5°	1978.2	1941.2	1926.6	1916.3	1890.8	1841.6	1786.9	1710.4	1634.5	1569.5	1477.8
15°	2589.9	2569.2	2547.4	2529.8	2497.6	2435.6	2367.0	2271.0	2172.0	2086.4	1970.4
17.5°	3118.3	3093.4	3067.3	3046.6	2990.1	2946.4	2854.1	2774.5	2661.6	2559.5	2419.8
20°	3519.2	3505.8	3475.4	3446.9	3386.8	3329.7	3233.7	3143.2	3018.1	2888.7	2755.1
22.5°	3873.9	3853.8	3815.6	3772.5	3697.1	3621.8	3511.3	3410.5	3273.8	3135.9	2992.0
25°	4238.9	4229.8	4171.5	4102.3	3996.0	3889.7	3751.8	3627.3	3473.0	3327.9	3160.2
26°	4415.7	4374.4	4314.9	4234.1	4109.0	3980.2	3830.8	3694.1	3529.5	3370.4	3202.7
27°	4503.7	4471.6	4419.3	4337.3	4206.7	4054.9	3890.3	3743.3	3569.0	3404.4	3230.7
28°	4544.4	4517.1	4474.0	4398.1	4271.1	4100.4	3927.3	3771.9	3590.2	3420.2	3241.0
29°	4553.6	4532.3	4494.6	4424.8	4305.7	4131.4	3946.8	3784.6	3599.4	3425.6	3243.4
30°	4537.8	4525.6	4496.5	4429.6	4314.9	4140.5	3950.4	3784.6	3596.9	3420.2	3233.7
31°	4511.6	4504.4	4480.1	4417.5	4305.7	4129.0	3936.5	3770.0	3581.1	3402.6	3211.8
32°	4462.4	4469.1	4449.1	4387.7	4277.2	4099.2	3909.1	3744.5	3555.0	3374.6	3178.4
33°	4410.2	4426.6	4408.4	4342.2	4228.0	4051.2	3868.4	3708.1	3518.0	3335.8	3134.7
34°	4353.1	4371.9	4348.9	4274.2	4156.3	3985.7	3813.2	3657.7	3468.8	3285.9	3077.6
35°	4279.0	4294.8	4264.4	4185.5	4065.2	3903.7	3744.5	3592.7	3406.2	3220.3	3007.2
36°	4154.5	4192.8	4161.2	4079.8	3962.0	3814.4	3666.8	3519.2	3334.5	3148.1	2930.0
37°	4070.7	4078.0	4047.0	3964.4	3855.7	3724.5	3584.8	3440.8	3258.6	3067.3	2845.6
38°	3949.8	3952.9	3921.9	3844.7	3750.6	3630.3	3496.7	3356.4	3174.2	2979.8	2751.4
39°	3823.5	3822.9	3794.9	3728.7	3644.9	3530.1	3400.7	3262.9	3078.2	2879.0	2641.5
40°	3704.4	3702.6	3678.3	3617.6	3536.2	3425.0	3298.1	3159.6	2971.3	2767.2	2520.0
42.5°	3422.6	3410.5	3386.2	3326.6	3248.9	3139.0	3006.5	2857.1	2657.3	2427.1	2147.7
45°	3105.6	3079.4	3053.9	2985.3	2897.8	2780.0	2631.2	2461.7	2238.2	1986.1	1695.8
47.5°	2699.8	2664.6	2639.7	2561.3	2461.7	2329.3	2159.2	1974.6	1738.9	1468.7	1172.3
50°	2093.7	2015.3	1989.2	1865.9	1731.7	1560.4	1346.6	1132.8	895.3	674.2	471.9
51°	1663.0	1575.6	1550.0	1423.7	1293.7	1135.8	941.4	760.4	575.8	425.2	315.8
52°	1215.4	1134.0	1110.9	996.7	887.4	760.4	615.9	496.8	393.0	317.7	255.1
53°	838.8	786.0	765.3	688.8	616.5	535.1	447.6	375.4	308.6	255.1	208.3
54°	618.9	583.1	566.7	511.4	459.2	402.1	342.0	292.8	246.6	207.1	168.2
55°	456.1	429.4	417.9	379.6	345.6	306.7	266.6	231.4	195.6	162.8	127.6
57.5°	206.5	193.1	188.3	171.9	158.5	147.0	119.7	100.2	81.4	65.6	51.0
60°	70.5	65.0	63.2	57.1	53.4	49.8	41.9	35.8	31.0	26.7	22.5
61°	44.9	41.9	40.7	37.7	35.8	34.0	29.2	25.5	22.5	20.0	17.0
62°	30.4	28.5	27.9	26.1	24.9	24.3	21.3	18.8	16.4	14.6	12.8
63°	21.3	20.0	20.0	18.8	18.2	17.6	15.2	14.0	12.1	10.9	9.7
64°	15.2	14.6	14.0	13.4	12.8	12.8	10.9	10.3	9.1	8.5	7.3
65°	10.9	10.3	10.3	9.7	9.7	9.1	8.5	7.3	6.7	6.1	5.5
66°	7.9	7.3	7.3	7.3	6.7	6.7	6.1	5.5	4.9	4.9	4.3



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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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	169.5	165.2	164.0	162.8	161.0	159.1	153.7	152.5	151.2	146.4	145.2
5°	336.5	319.5	308.6	297.0	284.9	270.9	248.4	238.1	227.2	208.3	199.2
7.5°	612.9	578.2	550.3	521.7	493.2	459.8	416.1	389.9	362.0	325.0	300.0
10°	960.9	897.1	842.4	789.6	738.6	680.3	623.2	566.1	517.5	459.8	413.0
12.5°	1398.8	1294.9	1205.0	1116.4	1028.9	935.4	844.3	755.6	669.3	592.8	520.5
15°	1866.5	1732.3	1606.5	1480.2	1347.8	1207.5	1070.2	942.1	820.0	713.1	615.3
17.5°	2265.5	2113.1	1952.1	1794.8	1626.0	1437.7	1269.4	1104.2	947.5	809.6	683.9
20°	2588.7	2415.0	2224.2	2037.2	1830.7	1629.0	1427.4	1230.6	1031.9	863.7	711.9
22.5°	2820.1	2635.4	2427.1	2214.5	1978.9	1746.2	1512.4	1281.0	1057.5	866.7	697.9
25°	2975.6	2774.5	2548.6	2312.9	2049.9	1793.6	1531.2	1277.9	1033.8	830.3	651.1
26°	3012.6	2806.7	2574.7	2329.9	2060.2	1797.2	1522.1	1260.9	1011.3	803.6	622.6
27°	3036.3	2824.3	2586.2	2334.2	2059.6	1801.5	1501.5	1234.2	979.7	770.8	589.8
28°	3044.8	2828.6	2585.6	2325.7	2045.7	1759.6	1469.3	1195.9	945.1	731.3	552.1
29°	3043.6	2823.1	2573.5	2305.0	2019.6	1724.4	1424.9	1148.6	897.7	687.0	511.4
30°	3031.5	2804.9	2548.6	2270.4	1980.1	1675.2	1367.8	1091.5	845.5	638.4	467.1
31°	3006.5	2773.9	2508.5	2219.4	1925.4	1612.6	1301.0	1027.1	787.8	586.1	421.5
32°	2968.9	2729.6	2454.4	2156.2	1858.6	1539.7	1225.7	948.1	726.4	532.7	382.0
33°	2920.3	2673.1	2389.4	2082.1	1783.3	1455.9	1142.5	892.9	663.9	478.6	330.4
34°	2858.3	2604.5	2310.5	1996.5	1695.8	1363.0	1056.2	808.4	600.7	424.0	291.5
35°	2784.2	2521.9	2220.6	1901.7	1598.6	1262.1	977.9	733.1	536.3	369.3	247.8
36°	2701.0	2430.1	2119.8	1799.7	1492.3	1159.5	888.6	657.8	472.5	315.8	208.9
37°	2609.9	2329.3	2012.9	1687.9	1378.2	1053.2	799.3	583.7	410.0	264.8	178.0
38°	2507.3	2216.3	1894.4	1564.6	1256.1	947.5	711.2	509.6	347.4	219.3	155.5
39°	2388.2	2087.6	1765.7	1428.6	1130.9	841.2	624.4	436.7	288.5	182.8	138.5
40°	2255.8	1950.9	1624.8	1284.6	1004.6	738.0	539.4	366.3	235.7	157.9	123.9
42.5°	1867.1	1550.7	1223.3	944.5	710.6	501.7	345.6	219.3	152.5	117.2	91.1
45°	1407.9	1111.5	844.9	635.9	462.2	300.7	196.8	139.7	108.1	81.4	63.8
47.5°	921.4	692.4	492.6	342.0	231.4	154.3	120.3	91.1	70.5	54.1	43.1
50°	347.4	256.3	199.2	159.1	125.7	95.4	75.3	57.7	44.3	34.0	27.3
51°	256.9	207.1	163.4	130.6	103.9	79.0	61.3	45.6	35.2	27.3	22.5
52°	210.8	170.1	134.2	106.9	84.4	61.3	47.4	35.8	28.5	22.5	18.2
53°	172.5	138.5	108.1	84.4	64.4	46.8	36.4	28.5	23.1	18.2	15.2
54°	137.3	107.5	80.8	62.0	48.0	35.2	28.5	22.5	18.2	15.2	12.8
55°	102.0	77.7	57.7	45.6	35.8	27.3	22.5	18.2	15.2	12.1	10.3
57.5°	41.9	33.4	27.3	22.5	18.8	15.2	12.8	10.9	9.1	7.3	6.1
60°	19.4	16.4	14.6	12.1	10.3	8.5	7.3	6.7	5.5	4.9	4.3
61°	15.2	12.8	10.9	9.7	8.5	6.7	6.1	5.5	4.9	4.3	3.6
62°	11.5	9.7	8.5	7.3	6.7	5.5	4.9	4.3	3.6	3.6	3.0
63°	8.5	7.3	6.7	6.1	5.5	4.9	4.3	3.6	3.6	3.0	3.0
64°	6.7	6.1	5.5	4.9	4.3	3.6	3.6	3.0	3.0	2.4	2.4
65°	4.9	4.9	4.3	3.6	3.6	3.0	3.0	3.0	2.4	2.4	2.4
66°	4.3	3.6	3.0	3.0	3.0	2.4	2.4	2.4	2.4	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
82.5°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	1.2	1.2	1.2	1.2	1.2	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



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	142.1	141.5	137.3	135.4	133.0	130.0	127.6	125.7	122.7	120.3	117.8
5°	186.5	179.8	168.9	161.6	154.9	148.2	142.7	137.9	132.4	127.6	122.7
7.5°	269.1	246.6	219.3	198.6	181.6	166.4	155.5	146.4	137.9	130.6	122.1
10°	361.4	320.1	278.2	238.7	207.7	181.6	163.4	149.4	137.9	128.2	117.2
12.5°	446.4	385.7	324.3	271.5	225.9	190.1	165.2	147.6	134.2	122.1	109.3
15°	518.7	437.3	359.6	291.5	235.1	190.7	162.2	142.7	127.6	113.0	100.2
17.5°	564.3	461.0	369.3	290.9	229.0	181.0	152.5	133.6	116.6	102.0	89.9
20°	574.0	455.5	355.3	269.7	207.7	162.8	139.1	119.7	102.6	89.9	79.6
22.5°	549.7	424.6	318.3	233.2	178.0	143.9	123.9	105.1	91.1	80.8	72.3
25°	497.4	370.5	267.2	191.3	152.5	126.9	108.7	93.5	83.2	76.5	71.7
26°	470.1	343.8	244.2	176.1	143.9	120.9	103.9	90.5	82.0	77.1	73.5
27°	438.5	315.2	221.1	162.8	136.1	113.0	97.8	85.6	77.7	73.5	71.1
28°	403.9	284.9	199.2	150.6	126.3	103.3	89.3	77.7	69.8	65.0	60.7
29°	367.5	254.5	179.2	139.7	116.6	94.8	81.4	70.5	62.6	57.7	53.4
30°	329.2	225.3	162.2	130.0	106.9	86.9	74.7	64.4	57.1	52.2	48.0
31°	292.2	198.6	150.0	119.7	98.4	80.2	69.2	60.7	53.4	48.6	45.6
32°	255.1	176.1	138.5	109.9	90.5	75.3	64.4	57.1	51.0	46.8	44.3
33°	221.7	157.3	128.2	100.8	83.8	70.5	61.3	54.7	49.2	45.6	43.1
34°	191.9	144.6	116.6	91.7	77.1	65.0	56.5	50.4	44.9	41.9	38.9
35°	167.6	131.2	105.1	82.6	69.2	58.3	51.0	44.9	40.1	37.1	34.0
36°	148.8	117.8	93.5	73.5	62.0	52.8	45.6	40.1	35.8	32.8	30.4
37°	134.2	105.7	83.8	66.2	56.5	47.4	41.3	36.4	32.2	29.2	26.7
38°	120.9	94.1	75.3	60.1	51.0	43.1	37.1	33.4	29.2	26.1	23.7
39°	107.5	82.6	67.4	54.7	46.8	39.5	34.0	30.4	26.1	23.7	21.3
40°	95.4	74.1	60.7	49.2	42.5	35.2	31.0	27.3	23.7	21.3	18.8
42.5°	70.5	55.3	46.2	37.7	32.2	27.3	23.7	20.0	17.6	15.8	14.0
45°	50.4	40.1	33.4	27.3	23.1	19.4	16.4	14.6	12.8	11.5	10.3
47.5°	34.0	27.3	23.1	18.2	15.8	13.4	11.5	10.3	9.1	7.9	7.3
50°	21.9	17.6	15.2	12.1	10.3	9.1	7.9	6.7	6.1	5.5	5.5
51°	18.2	14.6	12.8	10.3	9.1	7.9	6.7	6.1	5.5	4.9	4.3
52°	15.2	12.1	10.3	8.5	7.3	6.7	5.5	4.9	4.3	4.3	4.3
53°	12.8	10.3	9.1	7.3	6.7	5.5	4.9	4.3	3.6	3.6	3.6
54°	10.3	8.5	7.3	6.1	5.5	4.9	4.3	3.6	3.6	3.0	3.0
55°	8.5	7.3	6.1	5.5	4.9	4.3	3.6	3.0	3.0	3.0	3.0
57.5°	5.5	4.9	4.3	3.6	3.0	3.0	2.4	2.4	2.4	2.4	2.4
60°	3.6	3.0	3.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
61°	3.0	3.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62°	3.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
63°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
64°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
66°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P175568

CATALOG NUMBER: LDA6A20830D010TE 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°	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
82.5°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
85°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
87.5°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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: P175568

CATALOG NUMBER: LDA6A20830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	114.8	113.0	109.9	108.1	91.1	82.0	73.5	72.9
5°	117.2	112.4	107.5	103.3	75.3	62.6	54.1	52.8
7.5°	114.8	107.5	100.8	96.0	63.2	49.2	41.9	40.7
10°	108.1	100.2	92.3	86.2	54.1	41.9	35.2	34.0
12.5°	99.6	91.1	83.2	76.5	46.8	37.7	32.2	31.0
15°	89.9	81.4	74.7	68.6	43.1	34.6	31.0	29.8
17.5°	80.8	72.9	66.8	61.3	40.1	33.4	31.6	32.2
20°	71.7	65.6	60.1	55.9	41.3	39.5	45.6	51.0
22.5°	66.2	62.0	58.9	55.9	63.8	98.4	222.3	263.6
25°	69.2	68.6	70.5	74.7	130.6	165.2	145.8	147.6
26°	72.9	74.1	77.1	81.4	111.8	103.9	95.4	102.0
27°	70.5	71.1	70.5	69.8	73.5	72.9	76.5	83.2
28°	58.9	57.7	56.5	54.7	55.9	62.0	70.5	75.9
29°	51.0	49.8	48.0	46.2	48.6	60.1	68.0	71.7
30°	46.2	44.3	42.5	41.3	48.6	59.5	65.0	66.8
31°	43.1	41.9	40.7	40.7	49.2	56.5	59.5	60.1
32°	43.1	41.9	41.3	41.3	45.6	50.4	52.2	52.8
33°	41.9	40.7	38.9	38.3	40.1	43.7	45.6	45.6
34°	37.1	35.8	34.6	32.8	34.6	37.7	39.5	38.9
35°	32.2	31.0	29.8	28.5	29.8	32.8	33.4	32.8
36°	27.9	26.7	25.5	24.3	25.5	27.9	28.5	27.9
37°	24.9	23.7	22.5	21.3	21.3	24.3	24.9	23.7
38°	22.5	20.7	19.4	18.8	18.8	21.3	21.3	20.0
39°	20.0	18.8	17.6	16.4	16.4	18.2	18.2	17.0
40°	17.6	16.4	15.2	14.6	14.6	15.8	15.8	14.6
42.5°	12.8	12.1	11.5	10.9	10.9	12.1	11.5	10.3
45°	9.7	9.1	8.5	8.5	8.5	9.1	7.9	7.3
47.5°	6.7	6.7	6.1	6.1	6.1	6.7	6.1	5.5
50°	4.9	4.9	4.3	4.3	4.9	4.9	4.3	3.0
51°	4.3	4.3	4.3	3.6	4.3	4.3	3.6	3.0
52°	3.6	3.6	3.6	3.6	3.6	3.6	3.0	2.4
53°	3.0	3.0	3.0	3.0	3.0	3.0	2.4	1.8
54°	3.0	3.0	3.0	3.0	3.0	3.0	1.8	1.8
55°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2
57.5°	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2
60°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	0.6
61°	2.4	2.4	2.4	2.4	3.0	2.4	1.2	0.6
62°	2.4	2.4	2.4	2.4	3.0	2.4	1.2	0.6
63°	2.4	2.4	2.4	2.4	3.0	2.4	1.2	0.6
64°	2.4	2.4	2.4	3.0	3.0	2.4	1.2	0.6
65°	2.4	2.4	3.0	3.0	3.0	2.4	1.2	0.6
66°	2.4	3.0	3.0	3.0	3.0	2.4	1.2	0.6



TEST NUMBER: P175568

CATALOG NUMBER: LDA6A20830D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.4	3.0	3.0	3.0	3.0	2.4	1.8	1.2
75°	2.4	3.0	3.0	3.0	3.0	2.4	1.8	1.2
77.5°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2
80°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2
82.5°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2
85°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2
87.5°	3.0	3.0	3.0	3.0	3.0	2.4	1.2	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - 90°-270°







67.5°	4.9	4.3	4.3	4.3	4.3	3.6	3.6	3.6	3.0	3.0	2.4
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.2





67.5°	2.4	2.4	2.4	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8





67.5°	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4





67.5°	2.4	3.0	3.0	3.0	3.0	2.4	1.2	1.2
70°	2.4	2.4	3.0	3.0	3.0	2.4	1.8	1.2



(END OF REPORT)