

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: P175595

Luminaire Tested: **LDA6A30927D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175595
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: LDA6A30927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1756.3 lumens
Efficiency: N/A
Efficacy: 39.5 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

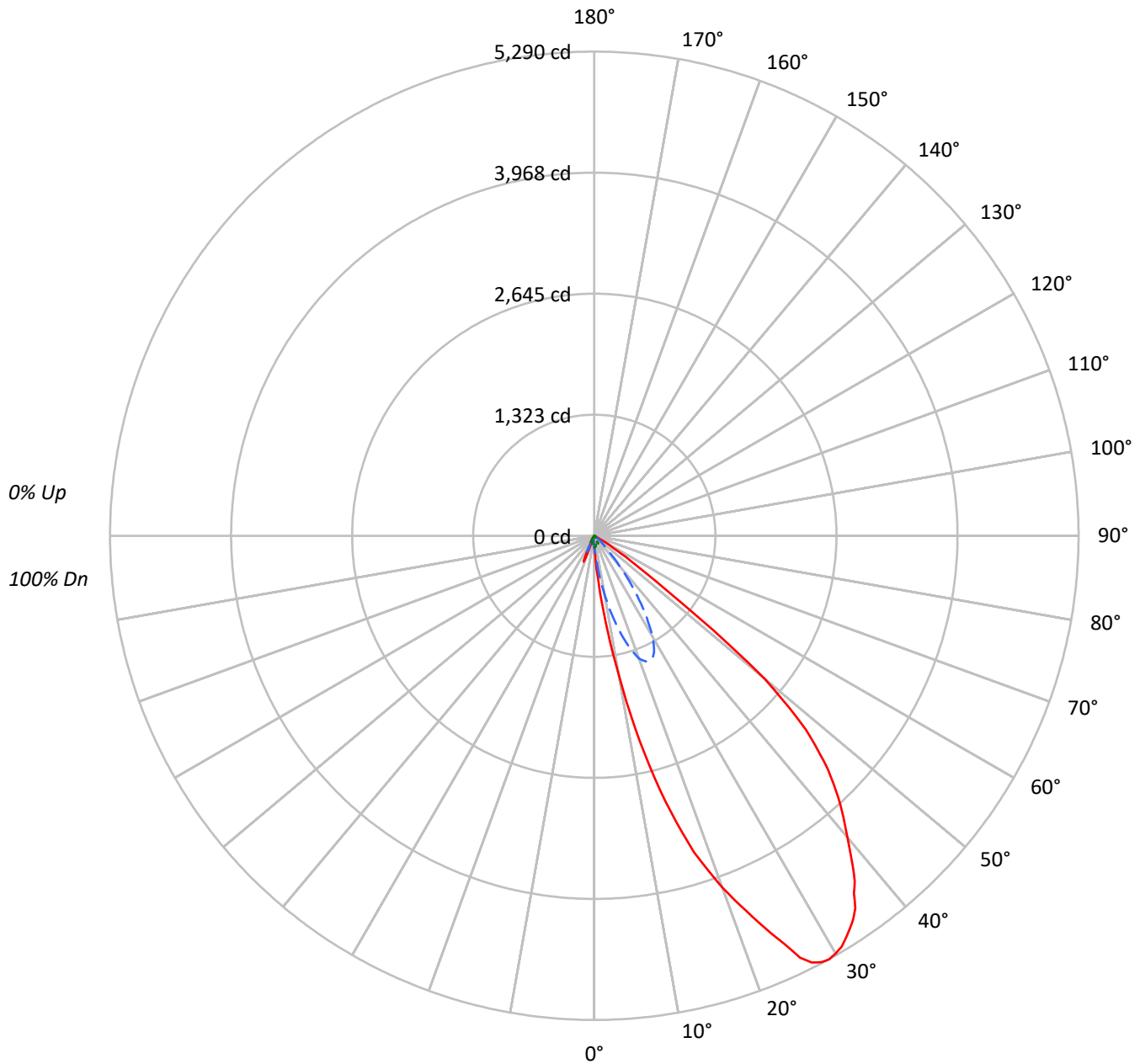
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7039	7039	7039
5°	26596	6598	3379
10°	86444	5578	2199
15°	170744	4523	1964
20°	238487	3786	3459
25°	297846	5250	10374
30°	333672	3038	4912
35°	332655	2222	2550
40°	307948	1209	1209
45°	279680	768	659
50°	207422	418	298
55°	50646	335	134
60°	8969	307	77
65°	1647	454	91
70°	337	561	224
75°	0	741	297
80°	0	1105	442
85°	0	2201	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	1.4
10°-20°	198.1	11.3
20°-30°	480.9	27.4
30°-40°	567.8	32.3
40°-50°	402.7	22.9
50°-60°	73.0	4.2
60°-70°	4.6	0.3
70°-80°	2.4	0.1
80°-90°	2.1	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°	703.6	40.1
0°-40°	1271.4	72.4
0°-60°	1747.1	99.5
0°-90°	1756.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	483	277	120	73	61	81
15°	3008	1094	80	40	35	870
25°	4924	1484	87	192	172	2265
35°	4971	852	33	38	38	3062
45°	3608	162	10	11	8	2709
55°	530	21	4	3	1	688
65°	13	4	4	3	1	20
75°	0	2	4	3	1	0
85°	0	2	4	3	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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	215.2	210.3	210.3	212.4	213.1	208.8	208.8	203.2	200.4	201.1	195.4
5°	483.3	493.2	473.4	476.3	474.1	460.7	455.1	436.0	423.3	417.0	396.5
7.5°	944.0	929.2	899.6	901.0	893.2	871.4	853.0	819.9	791.6	771.2	733.8
10°	1552.9	1557.2	1509.9	1505.7	1487.3	1445.7	1404.8	1340.6	1282.7	1237.5	1168.4
12.5°	2298.0	2255.0	2238.0	2226.0	2196.4	2139.3	2075.8	1986.9	1898.7	1823.2	1716.6
15°	3008.5	2984.5	2959.1	2938.6	2901.3	2829.3	2749.6	2638.1	2523.1	2423.6	2288.8
17.5°	3622.3	3593.4	3563.1	3539.1	3473.5	3422.7	3315.4	3223.0	3091.8	2973.2	2810.9
20°	4088.0	4072.5	4037.2	4004.0	3934.2	3867.9	3756.4	3651.3	3505.9	3355.6	3200.4
22.5°	4500.0	4476.8	4432.3	4382.2	4294.7	4207.2	4078.8	3961.7	3803.0	3642.8	3475.6
25°	4924.1	4913.5	4845.8	4765.3	4641.9	4518.4	4358.2	4213.6	4034.4	3865.8	3671.0
26°	5129.4	5081.4	5012.3	4918.4	4773.1	4623.5	4450.0	4291.2	4100.0	3915.1	3720.4
27°	5231.7	5194.3	5133.6	5038.4	4886.7	4710.3	4519.1	4348.4	4145.9	3954.7	3752.9
28°	5279.0	5247.2	5197.1	5108.9	4961.5	4763.2	4562.1	4381.5	4170.6	3973.0	3764.9
29°	5289.6	5264.9	5221.1	5140.0	5001.7	4799.2	4584.7	4396.3	4181.1	3979.3	3767.7
30°	5271.2	5257.1	5223.2	5145.6	5012.3	4809.8	4588.9	4396.3	4178.3	3973.0	3756.4
31°	5240.9	5232.4	5204.2	5131.5	5001.7	4796.4	4572.7	4379.4	4160.0	3952.5	3731.0
32°	5183.7	5191.5	5168.2	5096.9	4968.5	4761.8	4541.0	4349.8	4129.6	3920.1	3692.2
33°	5123.1	5142.1	5120.9	5044.0	4911.4	4706.1	4493.7	4307.4	4086.6	3874.9	3641.4
34°	5056.7	5078.6	5051.8	4965.0	4828.1	4629.9	4429.5	4248.9	4029.4	3817.1	3575.1
35°	4970.7	4989.0	4953.7	4862.0	4722.3	4534.6	4349.8	4173.4	3956.8	3740.9	3493.2
36°	4826.0	4870.5	4833.8	4739.2	4602.4	4430.9	4259.5	4088.0	3873.5	3656.9	3403.6
37°	4728.6	4737.1	4701.1	4605.2	4478.9	4326.5	4164.2	3997.0	3785.3	3563.1	3305.5
38°	4588.2	4591.8	4555.8	4466.2	4356.8	4217.1	4061.9	3898.9	3687.2	3461.5	3196.2
39°	4441.5	4440.8	4408.3	4331.4	4234.1	4100.7	3950.4	3790.3	3575.8	3344.3	3068.5
40°	4303.2	4301.1	4272.9	4202.3	4107.8	3978.6	3831.2	3670.3	3451.6	3214.5	2927.4
42.5°	3975.8	3961.7	3933.5	3864.3	3774.0	3646.3	3492.5	3318.9	3086.8	2819.4	2494.9
45°	3607.5	3577.2	3547.5	3467.8	3366.2	3229.3	3056.5	2859.6	2600.0	2307.2	1969.9
47.5°	3136.2	3095.3	3066.4	2975.3	2859.6	2705.8	2508.3	2293.8	2020.0	1706.0	1361.7
50°	2432.1	2341.0	2310.7	2167.5	2011.5	1812.6	1564.2	1315.9	1040.0	783.2	548.2
51°	1931.8	1830.2	1800.6	1653.8	1502.8	1319.4	1093.6	883.4	668.9	493.9	366.9
52°	1411.8	1317.3	1290.5	1157.8	1030.8	883.4	715.4	577.1	456.5	369.0	296.3
53°	974.4	913.0	889.0	800.1	716.1	621.6	520.0	436.0	358.4	296.3	242.0
54°	719.0	677.3	658.3	594.1	533.4	467.1	397.2	340.1	286.5	240.6	195.4
55°	529.9	498.8	485.4	441.0	401.5	356.3	309.7	268.8	227.2	189.1	148.2
57.5°	239.9	224.4	218.7	199.7	184.2	170.7	139.0	116.4	94.5	76.2	59.3
60°	81.8	75.5	73.4	66.3	62.1	57.9	48.7	41.6	36.0	31.0	26.1
61°	52.2	48.7	47.3	43.7	41.6	39.5	33.9	29.6	26.1	23.3	19.8
62°	35.3	33.2	32.5	30.3	28.9	28.2	24.7	21.9	19.1	16.9	14.8
63°	24.7	23.3	23.3	21.9	21.2	20.5	17.6	16.2	14.1	12.7	11.3
64°	17.6	16.9	16.2	15.5	14.8	14.8	12.7	12.0	10.6	9.9	8.5
65°	12.7	12.0	12.0	11.3	11.3	10.6	9.9	8.5	7.8	7.1	6.4
66°	9.2	8.5	8.5	8.5	7.8	7.8	7.1	6.4	5.6	5.6	4.9



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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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	196.9	191.9	190.5	189.1	187.0	184.9	178.5	177.1	175.7	170.0	168.6
5°	390.9	371.1	358.4	345.0	330.9	314.7	288.6	276.6	263.9	242.0	231.4
7.5°	711.9	671.7	639.2	606.1	572.9	534.1	483.3	453.0	420.5	377.5	348.5
10°	1116.2	1042.1	978.6	917.2	858.0	790.2	723.9	657.6	601.1	534.1	479.8
12.5°	1624.9	1504.2	1399.8	1296.8	1195.2	1086.6	980.7	877.7	777.5	688.6	604.7
15°	2168.2	2012.3	1866.2	1719.4	1565.6	1402.6	1243.2	1094.3	952.5	828.3	714.7
17.5°	2631.7	2454.6	2267.7	2084.9	1888.8	1670.1	1474.6	1282.7	1100.7	940.5	794.5
20°	3007.1	2805.3	2583.8	2366.4	2126.6	1892.3	1658.1	1429.5	1198.7	1003.3	826.9
22.5°	3275.9	3061.4	2819.4	2572.5	2298.7	2028.5	1756.8	1488.0	1228.4	1006.8	810.7
25°	3456.5	3223.0	2960.5	2686.8	2381.3	2083.5	1778.7	1484.5	1200.9	964.5	756.4
26°	3499.6	3260.4	2990.9	2706.5	2393.3	2087.7	1768.1	1464.7	1174.8	933.5	723.2
27°	3527.1	3280.8	3004.3	2711.5	2392.5	2092.7	1744.1	1433.7	1138.1	895.4	685.1
28°	3537.0	3285.8	3003.6	2701.6	2376.3	2044.0	1706.7	1389.2	1097.8	849.5	641.4
29°	3535.6	3279.4	2989.4	2677.6	2346.0	2003.1	1655.2	1334.2	1042.8	798.0	594.1
30°	3521.4	3258.3	2960.5	2637.4	2300.1	1945.9	1588.9	1267.9	982.1	741.5	542.6
31°	3492.5	3222.3	2914.0	2578.1	2236.6	1873.3	1511.3	1193.1	915.1	680.9	489.7
32°	3448.8	3170.8	2851.2	2504.7	2159.0	1788.6	1423.8	1101.4	843.8	618.8	443.8
33°	3392.3	3105.2	2775.7	2418.7	2071.5	1691.2	1327.2	1037.2	771.2	556.0	383.8
34°	3320.4	3025.4	2683.9	2319.2	1969.9	1583.3	1227.0	939.1	697.8	492.5	338.7
35°	3234.3	2929.5	2579.5	2209.1	1857.0	1466.1	1135.9	851.6	623.0	429.0	287.9
36°	3137.6	2822.9	2462.4	2090.6	1733.6	1346.9	1032.2	764.1	548.9	366.9	242.7
37°	3031.8	2705.8	2338.2	1960.7	1600.9	1223.4	928.5	678.0	476.3	307.6	206.7
38°	2912.5	2574.6	2200.6	1817.5	1459.1	1100.7	826.2	592.0	403.6	254.7	180.6
39°	2774.3	2425.0	2051.1	1659.5	1313.7	977.2	725.3	507.3	335.1	212.4	160.9
40°	2620.4	2266.3	1887.4	1492.3	1167.0	857.3	626.5	425.5	273.8	183.4	143.9
42.5°	2168.9	1801.3	1421.0	1097.1	825.5	582.8	401.5	254.7	177.1	136.2	105.8
45°	1635.5	1291.2	981.4	738.7	536.9	349.3	228.6	162.3	125.6	94.5	74.1
47.5°	1070.3	804.3	572.2	397.2	268.8	179.2	139.7	105.8	81.8	62.8	50.1
50°	403.6	297.7	231.4	184.9	146.1	110.8	87.5	67.0	51.5	39.5	31.8
51°	298.5	240.6	189.8	151.7	120.7	91.7	71.3	52.9	40.9	31.8	26.1
52°	244.8	197.6	155.9	124.2	98.1	71.3	55.0	41.6	33.2	26.1	21.2
53°	200.4	160.9	125.6	98.1	74.8	54.3	42.3	33.2	26.8	21.2	17.6
54°	159.5	124.9	93.8	72.0	55.7	40.9	33.2	26.1	21.2	17.6	14.8
55°	118.5	90.3	67.0	52.9	41.6	31.8	26.1	21.2	17.6	14.1	12.0
57.5°	48.7	38.8	31.8	26.1	21.9	17.6	14.8	12.7	10.6	8.5	7.1
60°	22.6	19.1	16.9	14.1	12.0	9.9	8.5	7.8	6.4	5.6	4.9
61°	17.6	14.8	12.7	11.3	9.9	7.8	7.1	6.4	5.6	4.9	4.2
62°	13.4	11.3	9.9	8.5	7.8	6.4	5.6	4.9	4.2	4.2	3.5
63°	9.9	8.5	7.8	7.1	6.4	5.6	4.9	4.2	4.2	3.5	3.5
64°	7.8	7.1	6.4	5.6	4.9	4.2	4.2	3.5	3.5	2.8	2.8
65°	5.6	5.6	4.9	4.2	4.2	3.5	3.5	3.5	2.8	2.8	2.8
66°	4.9	4.2	3.5	3.5	3.5	2.8	2.8	2.8	2.8	2.8	2.8



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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°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
75°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
82.5°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
85°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
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: LDA6A30927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	165.1	164.4	159.5	157.3	154.5	151.0	148.2	146.1	142.5	139.7	136.9
5°	216.6	208.8	196.1	187.7	179.9	172.2	165.8	160.2	153.8	148.2	142.5
7.5°	312.6	286.5	254.7	230.7	211.0	193.3	180.6	170.0	160.2	151.7	141.8
10°	419.8	371.8	323.1	277.3	241.3	211.0	189.8	173.6	160.2	148.9	136.2
12.5°	518.6	448.0	376.8	315.4	262.5	220.8	191.9	171.5	155.9	141.8	127.0
15°	602.5	508.0	417.7	338.7	273.1	221.5	188.4	165.8	148.2	131.2	116.4
17.5°	655.5	535.5	429.0	338.0	266.0	210.3	177.1	155.2	135.5	118.5	104.4
20°	666.8	529.2	412.8	313.3	241.3	189.1	161.6	139.0	119.2	104.4	92.4
22.5°	638.5	493.2	369.7	270.9	206.7	167.2	143.9	122.1	105.8	93.8	84.0
25°	577.9	430.4	310.4	222.3	177.1	147.5	126.3	108.7	96.7	88.9	83.3
26°	546.1	399.3	283.6	204.6	167.2	140.4	120.7	105.1	95.3	89.6	85.4
27°	509.4	366.2	256.8	189.1	158.0	131.2	113.6	99.5	90.3	85.4	82.6
28°	469.2	330.9	231.4	175.0	146.8	119.9	103.7	90.3	81.1	75.5	70.6
29°	426.9	295.6	208.1	162.3	135.5	110.1	94.5	81.8	72.7	67.0	62.1
30°	382.4	261.8	188.4	151.0	124.2	100.9	86.8	74.8	66.3	60.7	55.7
31°	339.4	230.7	174.3	139.0	114.3	93.1	80.4	70.6	62.1	56.4	52.9
32°	296.3	204.6	160.9	127.7	105.1	87.5	74.8	66.3	59.3	54.3	51.5
33°	257.5	182.7	148.9	117.1	97.4	81.8	71.3	63.5	57.2	52.9	50.1
34°	223.0	167.9	135.5	106.5	89.6	75.5	65.6	58.6	52.2	48.7	45.2
35°	194.7	152.4	122.1	96.0	80.4	67.7	59.3	52.2	46.6	43.0	39.5
36°	172.9	136.9	108.7	85.4	72.0	61.4	52.9	46.6	41.6	38.1	35.3
37°	155.9	122.8	97.4	76.9	65.6	55.0	48.0	42.3	37.4	33.9	31.0
38°	140.4	109.4	87.5	69.9	59.3	50.1	43.0	38.8	33.9	30.3	27.5
39°	124.9	96.0	78.3	63.5	54.3	45.9	39.5	35.3	30.3	27.5	24.7
40°	110.8	86.1	70.6	57.2	49.4	40.9	36.0	31.8	27.5	24.7	21.9
42.5°	81.8	64.2	53.6	43.7	37.4	31.8	27.5	23.3	20.5	18.3	16.2
45°	58.6	46.6	38.8	31.8	26.8	22.6	19.1	16.9	14.8	13.4	12.0
47.5°	39.5	31.8	26.8	21.2	18.3	15.5	13.4	12.0	10.6	9.2	8.5
50°	25.4	20.5	17.6	14.1	12.0	10.6	9.2	7.8	7.1	6.4	6.4
51°	21.2	16.9	14.8	12.0	10.6	9.2	7.8	7.1	6.4	5.6	4.9
52°	17.6	14.1	12.0	9.9	8.5	7.8	6.4	5.6	4.9	4.9	4.9
53°	14.8	12.0	10.6	8.5	7.8	6.4	5.6	4.9	4.2	4.2	4.2
54°	12.0	9.9	8.5	7.1	6.4	5.6	4.9	4.2	4.2	3.5	3.5
55°	9.9	8.5	7.1	6.4	5.6	4.9	4.2	3.5	3.5	3.5	3.5
57.5°	6.4	5.6	4.9	4.2	3.5	3.5	2.8	2.8	2.8	2.8	2.8
60°	4.2	3.5	3.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
61°	3.5	3.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
62°	3.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
63°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
64°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
66°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P175595

CATALOG NUMBER: LDA6A30927D010TE 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°	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
82.5°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
85°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5
87.5°	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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: P175595

CATALOG NUMBER: LDA6A30927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	133.4	131.2	127.7	125.6	105.8	95.3	85.4	84.7
5°	136.2	130.5	124.9	119.9	87.5	72.7	62.8	61.4
7.5°	133.4	124.9	117.1	111.5	73.4	57.2	48.7	47.3
10°	125.6	116.4	107.2	100.2	62.8	48.7	40.9	39.5
12.5°	115.7	105.8	96.7	88.9	54.3	43.7	37.4	36.0
15°	104.4	94.5	86.8	79.7	50.1	40.2	36.0	34.6
17.5°	93.8	84.7	77.6	71.3	46.6	38.8	36.7	37.4
20°	83.3	76.2	69.9	64.9	48.0	45.9	52.9	59.3
22.5°	76.9	72.0	68.4	64.9	74.1	114.3	258.2	306.2
25°	80.4	79.7	81.8	86.8	151.7	191.9	169.3	171.5
26°	84.7	86.1	89.6	94.5	129.8	120.7	110.8	118.5
27°	81.8	82.6	81.8	81.1	85.4	84.7	88.9	96.7
28°	68.4	67.0	65.6	63.5	64.9	72.0	81.8	88.2
29°	59.3	57.9	55.7	53.6	56.4	69.9	79.0	83.3
30°	53.6	51.5	49.4	48.0	56.4	69.1	75.5	77.6
31°	50.1	48.7	47.3	47.3	57.2	65.6	69.1	69.9
32°	50.1	48.7	48.0	48.0	52.9	58.6	60.7	61.4
33°	48.7	47.3	45.2	44.5	46.6	50.8	52.9	52.9
34°	43.0	41.6	40.2	38.1	40.2	43.7	45.9	45.2
35°	37.4	36.0	34.6	33.2	34.6	38.1	38.8	38.1
36°	32.5	31.0	29.6	28.2	29.6	32.5	33.2	32.5
37°	28.9	27.5	26.1	24.7	24.7	28.2	28.9	27.5
38°	26.1	24.0	22.6	21.9	21.9	24.7	24.7	23.3
39°	23.3	21.9	20.5	19.1	19.1	21.2	21.2	19.8
40°	20.5	19.1	17.6	16.9	16.9	18.3	18.3	16.9
42.5°	14.8	14.1	13.4	12.7	12.7	14.1	13.4	12.0
45°	11.3	10.6	9.9	9.9	9.9	10.6	9.2	8.5
47.5°	7.8	7.8	7.1	7.1	7.1	7.8	7.1	6.4
50°	5.6	5.6	4.9	4.9	5.6	5.6	4.9	3.5
51°	4.9	4.9	4.9	4.2	4.9	4.9	4.2	3.5
52°	4.2	4.2	4.2	4.2	4.2	4.2	3.5	2.8
53°	3.5	3.5	3.5	3.5	3.5	3.5	2.8	2.1
54°	3.5	3.5	3.5	3.5	3.5	3.5	2.1	2.1
55°	3.5	3.5	3.5	3.5	3.5	2.8	2.1	1.4
57.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.1	1.4
60°	2.8	2.8	2.8	2.8	2.8	2.8	1.4	0.7
61°	2.8	2.8	2.8	2.8	3.5	2.8	1.4	0.7
62°	2.8	2.8	2.8	2.8	3.5	2.8	1.4	0.7
63°	2.8	2.8	2.8	2.8	3.5	2.8	1.4	0.7
64°	2.8	2.8	2.8	3.5	3.5	2.8	1.4	0.7
65°	2.8	2.8	3.5	3.5	3.5	2.8	1.4	0.7
66°	2.8	3.5	3.5	3.5	3.5	2.8	1.4	0.7



TEST NUMBER: P175595

CATALOG NUMBER: LDA6A30927D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.8	3.5	3.5	3.5	3.5	2.8	2.1	1.4
75°	2.8	3.5	3.5	3.5	3.5	2.8	2.1	1.4
77.5°	3.5	3.5	3.5	3.5	3.5	2.8	2.1	1.4
80°	3.5	3.5	3.5	3.5	3.5	2.8	2.1	1.4
82.5°	3.5	3.5	3.5	3.5	3.5	2.8	2.1	1.4
85°	3.5	3.5	3.5	3.5	3.5	2.8	2.1	1.4
87.5°	3.5	3.5	3.5	3.5	3.5	2.8	1.4	0.7
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°	5.6	4.9	4.9	4.9	4.9	4.2	4.2	4.2	3.5	3.5	2.8
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.4





67.5°	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1





67.5°	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8





67.5°	2.8	3.5	3.5	3.5	3.5	2.8	1.4	1.4
70°	2.8	2.8	3.5	3.5	3.5	2.8	2.1	1.4



(END OF REPORT)