

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: P175591

Luminaire Tested: **LDA6A30827D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175591
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: LDA6A30827D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2187.0 lumens
Efficiency: N/A
Efficacy: 49.2 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

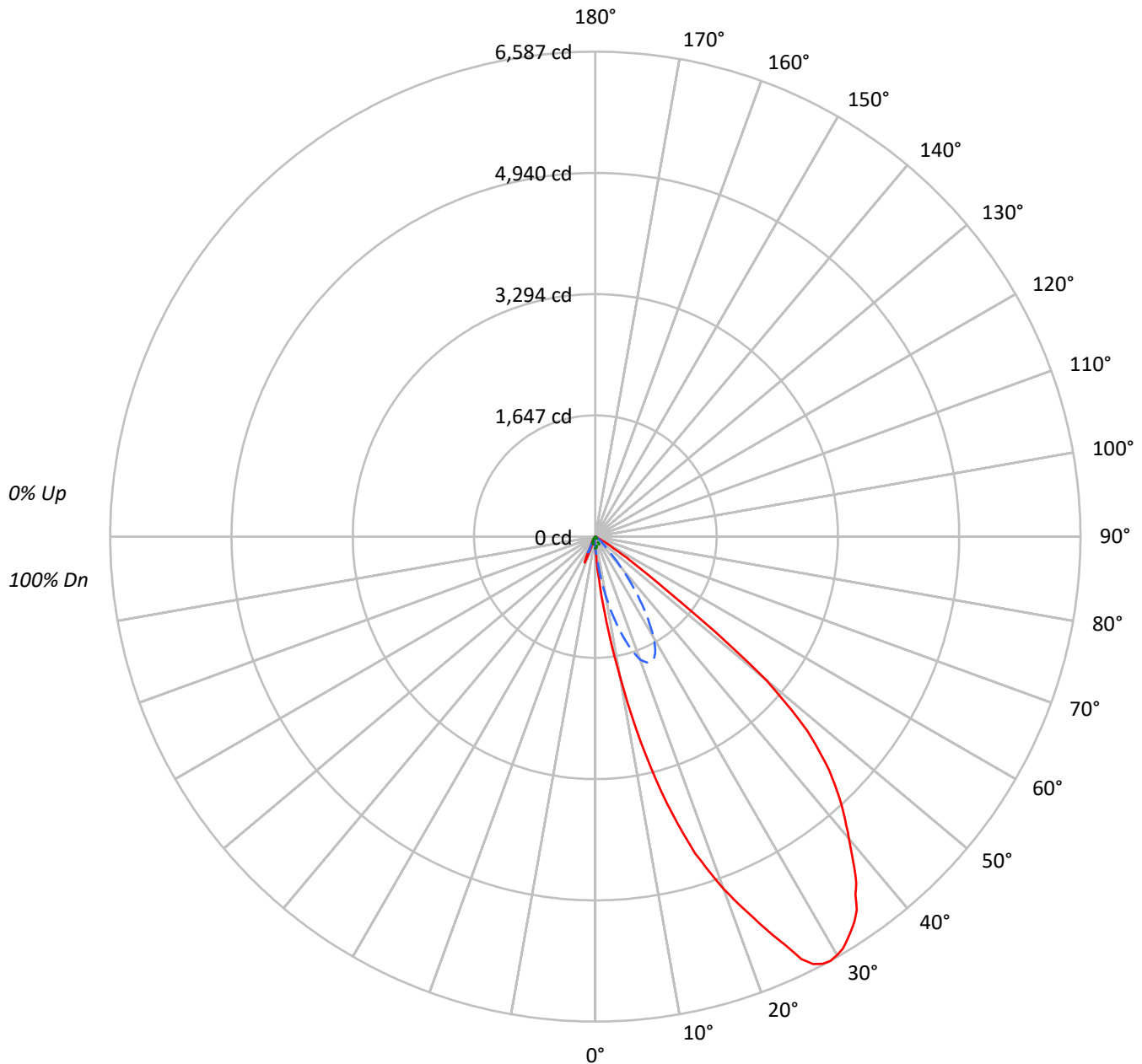
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8766	8766	8766
5°	33117	8221	4204
10°	107641	6947	2739
15°	212612	5636	2440
20°	296966	4714	4305
25°	370878	6539	12914
30°	415494	3779	6115
35°	414220	2764	3172
40°	383461	1510	1510
45°	348261	954	814
50°	258277	520	375
55°	63061	421	172
60°	11172	384	99
65°	2050	571	117
70°	417	705	289
75°	0	932	381
80°	0	1389	568
85°	0	2768	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	1.4
10°-20°	246.7	11.3
20°-30°	598.8	27.4
30°-40°	707.0	32.3
40°-50°	501.5	22.9
50°-60°	91.0	4.2
60°-70°	5.8	0.3
70°-80°	3.0	0.1
80°-90°	2.7	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°	876.1	40.1
0°-40°	1583.1	72.4
0°-60°	2175.5	99.5
0°-90°	2187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	602	344	149	90	76	100
15°	3746	1363	99	50	43	1083
25°	6132	1848	108	239	214	2821
35°	6190	1060	41	47	47	3813
45°	4492	202	12	13	10	3373
55°	660	26	4	4	2	856
65°	16	4	4	4	1	25
75°	0	3	4	4	2	1
85°	0	3	4	4	2	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°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	268.0	261.8	261.8	264.4	265.3	260.1	260.1	253.0	249.5	250.4	243.4
5°	601.8	614.1	589.5	593.0	590.4	573.7	566.7	543.0	527.1	519.2	493.8
7.5°	1175.5	1157.1	1120.2	1121.9	1112.3	1085.0	1062.2	1020.9	985.7	960.3	913.7
10°	1933.7	1939.0	1880.1	1874.9	1852.0	1800.2	1749.2	1669.3	1597.2	1541.0	1454.9
12.5°	2861.5	2807.9	2786.8	2771.9	2735.0	2663.8	2584.7	2474.0	2364.2	2270.2	2137.5
15°	3746.2	3716.3	3684.7	3659.2	3612.7	3523.0	3423.8	3285.0	3141.7	3017.9	2850.1
17.5°	4510.6	4474.5	4436.8	4406.9	4325.2	4261.9	4128.4	4013.3	3849.9	3702.3	3500.2
20°	5090.4	5071.1	5027.1	4985.9	4898.9	4816.3	4677.5	4546.6	4365.6	4178.5	3985.2
22.5°	5603.5	5574.5	5519.1	5456.8	5347.8	5238.9	5079.0	4933.1	4735.5	4536.0	4327.8
25°	6131.5	6118.3	6034.0	5933.8	5780.1	5626.3	5426.9	5246.8	5023.6	4813.7	4571.2
26°	6387.2	6327.4	6241.3	6124.5	5943.5	5757.2	5541.1	5343.4	5105.3	4875.2	4632.7
27°	6514.6	6468.0	6392.4	6273.8	6084.9	5865.3	5627.2	5414.6	5162.4	4924.4	4673.1
28°	6573.4	6533.9	6471.5	6361.7	6178.1	5931.2	5680.8	5455.9	5193.2	4947.2	4688.0
29°	6586.6	6555.8	6501.4	6400.3	6228.1	5976.0	5708.9	5474.3	5206.4	4955.1	4691.5
30°	6563.8	6546.2	6504.0	6407.4	6241.3	5989.2	5714.2	5474.3	5202.9	4947.2	4677.5
31°	6526.0	6515.4	6480.3	6389.8	6228.1	5972.5	5694.0	5453.2	5180.0	4921.7	4645.8
32°	6454.8	6464.5	6435.5	6346.7	6186.9	5929.4	5654.4	5416.4	5142.2	4881.3	4597.5
33°	6379.3	6403.0	6376.6	6280.9	6115.7	5860.0	5595.6	5363.6	5088.6	4825.1	4534.3
34°	6296.7	6323.9	6290.5	6182.5	6012.0	5765.1	5515.6	5290.7	5017.5	4753.0	4451.7
35°	6189.5	6212.3	6168.4	6054.2	5880.2	5646.5	5416.4	5196.7	4927.0	4658.1	4349.8
36°	6009.4	6064.7	6019.0	5901.3	5730.9	5517.4	5303.9	5090.4	4823.3	4553.6	4238.2
37°	5888.1	5898.7	5853.9	5734.4	5577.1	5387.4	5185.3	4977.1	4713.5	4436.8	4116.1
38°	5713.3	5717.7	5672.9	5561.3	5425.1	5251.2	5057.9	4854.9	4591.4	4310.2	3979.9
39°	5530.6	5529.7	5489.3	5393.5	5272.3	5106.2	4919.1	4719.6	4452.6	4164.4	3820.9
40°	5358.4	5355.7	5320.6	5232.7	5115.0	4954.2	4770.6	4570.3	4297.9	4002.7	3645.2
42.5°	4950.7	4933.1	4898.0	4811.9	4699.4	4540.4	4348.9	4132.8	3843.7	3510.7	3106.6
45°	4492.1	4454.3	4417.4	4318.1	4191.6	4021.2	3805.9	3560.8	3237.5	2872.9	2453.0
47.5°	3905.2	3854.3	3818.2	3704.9	3560.8	3369.3	3123.3	2856.2	2515.3	2124.4	1695.6
50°	3028.4	2915.1	2877.3	2699.0	2504.8	2257.0	1947.8	1638.5	1295.0	975.2	682.6
51°	2405.5	2279.0	2242.1	2059.4	1871.3	1642.9	1361.8	1100.0	832.9	615.0	456.9
52°	1758.0	1640.3	1606.9	1441.7	1283.6	1100.0	890.9	718.7	568.4	459.5	369.0
53°	1213.3	1136.9	1107.0	996.3	891.7	774.0	647.5	543.0	446.3	369.0	301.3
54°	895.3	843.4	819.7	739.8	664.2	581.6	494.6	423.5	356.7	299.6	243.4
55°	659.8	621.1	604.5	549.1	499.9	443.7	385.7	334.7	282.9	235.5	184.5
57.5°	298.7	279.4	272.4	248.6	229.3	212.6	173.1	145.0	117.7	94.9	73.8
60°	101.9	94.0	91.4	82.6	77.3	72.0	60.6	51.8	44.8	38.7	32.5
61°	65.0	60.6	58.9	54.5	51.8	49.2	42.2	36.9	32.5	29.0	24.6
62°	43.9	41.3	40.4	37.8	36.0	35.1	30.7	27.2	23.7	21.1	18.4
63°	30.7	29.0	29.0	27.2	26.4	25.5	22.0	20.2	17.6	15.8	14.1
64°	22.0	21.1	20.2	19.3	18.4	18.4	15.8	14.9	13.2	12.3	10.5
65°	15.8	14.9	14.9	14.1	14.1	13.2	12.3	10.5	9.7	8.8	7.9
66°	11.4	10.5	10.5	10.5	9.7	9.7	8.8	7.9	7.0	7.0	6.1



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CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
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°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	245.1	239.0	237.2	235.5	232.8	230.2	222.3	220.5	218.8	211.7	210.0
5°	486.7	462.1	446.3	429.6	412.0	391.8	359.3	344.4	328.6	301.3	288.2
7.5°	886.5	836.4	796.0	754.7	713.4	665.1	601.8	564.0	523.6	470.0	434.0
10°	1389.9	1297.6	1218.6	1142.1	1068.3	984.0	901.4	818.8	748.5	665.1	597.4
12.5°	2023.3	1873.1	1743.1	1614.8	1488.3	1353.0	1221.2	1092.9	968.2	857.5	752.9
15°	2699.8	2505.7	2323.8	2141.1	1949.5	1746.6	1548.0	1362.7	1186.1	1031.4	890.0
17.5°	3277.0	3056.5	2823.7	2596.2	2351.9	2079.6	1836.2	1597.2	1370.6	1171.1	989.3
20°	3744.4	3493.2	3217.3	2946.7	2648.0	2356.3	2064.6	1780.0	1492.7	1249.3	1029.7
22.5°	4079.2	3812.1	3510.7	3203.2	2862.4	2525.9	2187.6	1852.9	1529.6	1253.7	1009.5
25°	4304.1	4013.3	3686.5	3345.6	2965.2	2594.4	2214.9	1848.5	1495.3	1201.0	941.8
26°	4357.7	4059.8	3724.2	3370.2	2980.1	2599.7	2201.7	1823.9	1462.8	1162.3	900.5
27°	4391.9	4085.3	3740.9	3376.3	2979.2	2605.8	2171.8	1785.2	1417.1	1114.9	853.1
28°	4404.2	4091.5	3740.0	3364.0	2959.0	2545.2	2125.2	1729.9	1367.0	1057.8	798.6
29°	4402.5	4083.6	3722.5	3334.2	2921.2	2494.2	2061.1	1661.4	1298.5	993.7	739.8
30°	4384.9	4057.2	3686.5	3284.1	2864.1	2423.1	1978.5	1578.8	1223.0	923.4	675.6
31°	4348.9	4012.4	3628.5	3210.3	2785.0	2332.6	1881.9	1485.7	1139.5	847.8	609.7
32°	4294.4	3948.3	3550.3	3118.9	2688.4	2227.2	1772.9	1371.4	1050.8	770.5	552.6
33°	4224.1	3866.6	3456.3	3011.7	2579.5	2105.9	1652.6	1291.5	960.3	692.3	477.9
34°	4134.5	3767.3	3342.1	2887.8	2453.0	1971.5	1527.8	1169.4	868.9	613.2	421.7
35°	4027.3	3647.8	3212.0	2750.8	2312.4	1825.7	1414.5	1060.4	775.8	534.2	358.5
36°	3907.0	3515.1	3066.2	2603.2	2158.6	1677.2	1285.3	951.5	683.5	456.9	302.2
37°	3775.2	3369.3	2911.6	2441.5	1993.5	1523.4	1156.2	844.3	593.0	383.1	257.4
38°	3626.7	3205.9	2740.2	2263.2	1816.9	1370.6	1028.8	737.1	502.5	317.2	224.9
39°	3454.5	3019.6	2554.0	2066.4	1635.9	1216.8	903.2	631.7	417.3	264.4	200.3
40°	3263.0	2821.9	2350.2	1858.2	1453.1	1067.5	780.2	529.8	340.9	228.4	179.2
42.5°	2700.7	2243.0	1769.4	1366.2	1027.9	725.7	499.9	317.2	220.5	169.6	131.8
45°	2036.5	1607.8	1222.1	919.9	668.6	434.9	284.7	202.1	156.4	117.7	92.2
47.5°	1332.8	1001.6	712.5	494.6	334.7	223.2	174.0	131.8	101.9	78.2	62.4
50°	502.5	370.8	288.2	230.2	181.9	137.9	108.9	83.5	64.1	49.2	39.5
51°	371.6	299.6	236.3	188.9	150.2	114.2	88.7	65.9	51.0	39.5	32.5
52°	304.9	246.0	194.2	154.6	122.1	88.7	68.5	51.8	41.3	32.5	26.4
53°	249.5	200.3	156.4	122.1	93.1	67.6	52.7	41.3	33.4	26.4	22.0
54°	198.6	155.5	116.8	89.6	69.4	51.0	41.3	32.5	26.4	22.0	18.4
55°	147.6	112.5	83.5	65.9	51.8	39.5	32.5	26.4	22.0	17.6	14.9
57.5°	60.6	48.3	39.5	32.5	27.2	22.0	18.4	15.8	13.2	10.5	8.8
60°	28.1	23.7	21.1	17.6	14.9	12.3	10.5	9.7	7.9	7.0	6.1
61°	22.0	18.4	15.8	14.1	12.3	9.7	8.8	7.9	7.0	6.1	5.3
62°	16.7	14.1	12.3	10.5	9.7	7.9	7.0	6.1	5.3	5.3	4.4
63°	12.3	10.5	9.7	8.8	7.9	7.0	6.1	5.3	5.3	4.4	4.4
64°	9.7	8.8	7.9	7.0	6.1	5.3	5.3	4.4	4.4	3.5	3.5
65°	7.0	7.0	6.1	5.3	5.3	4.4	4.4	4.4	3.5	3.5	3.5
66°	6.1	5.3	4.4	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5



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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°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
75°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6
82.5°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
85°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
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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CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	205.6	204.7	198.6	195.9	192.4	188.0	184.5	181.9	177.5	174.0	170.4
5°	269.7	260.1	244.2	233.7	224.0	214.4	206.5	199.4	191.5	184.5	177.5
7.5°	389.2	356.7	317.2	287.3	262.7	240.7	224.9	211.7	199.4	188.9	176.6
10°	522.7	463.0	402.4	345.3	300.5	262.7	236.3	216.1	199.4	185.4	169.6
12.5°	645.7	557.9	469.2	392.7	326.8	275.0	239.0	213.5	194.2	176.6	158.1
15°	750.3	632.6	520.1	421.7	340.0	275.9	234.6	206.5	184.5	163.4	145.0
17.5°	816.2	666.8	534.2	420.8	331.2	261.8	220.5	193.3	168.7	147.6	130.0
20°	830.2	658.9	514.0	390.1	300.5	235.5	201.2	173.1	148.5	130.0	115.1
22.5°	795.1	614.1	460.4	337.4	257.4	208.2	179.2	152.0	131.8	116.8	104.5
25°	719.5	535.9	386.6	276.7	220.5	183.6	157.3	135.3	120.4	110.7	103.7
26°	680.0	497.3	353.2	254.8	208.2	174.8	150.2	130.9	118.6	111.6	106.3
27°	634.3	456.0	319.8	235.5	196.8	163.4	141.4	123.9	112.5	106.3	102.8
28°	584.2	412.0	288.2	217.9	182.7	149.4	129.1	112.5	101.0	94.0	87.9
29°	531.5	368.1	259.2	202.1	168.7	137.1	117.7	101.9	90.5	83.5	77.3
30°	476.2	325.9	234.6	188.0	154.6	125.6	108.1	93.1	82.6	75.6	69.4
31°	422.6	287.3	217.0	173.1	142.3	116.0	100.2	87.9	77.3	70.3	65.9
32°	369.0	254.8	200.3	159.0	130.9	108.9	93.1	82.6	73.8	67.6	64.1
33°	320.7	227.5	185.4	145.8	121.2	101.9	88.7	79.1	71.2	65.9	62.4
34°	277.6	209.1	168.7	132.7	111.6	94.0	81.7	72.9	65.0	60.6	56.2
35°	242.5	189.8	152.0	119.5	100.2	84.3	73.8	65.0	58.0	53.6	49.2
36°	215.2	170.4	135.3	106.3	89.6	76.4	65.9	58.0	51.8	47.4	43.9
37°	194.2	152.9	121.2	95.8	81.7	68.5	59.7	52.7	46.6	42.2	38.7
38°	174.8	136.2	108.9	87.0	73.8	62.4	53.6	48.3	42.2	37.8	34.3
39°	155.5	119.5	97.5	79.1	67.6	57.1	49.2	43.9	37.8	34.3	30.7
40°	137.9	107.2	87.9	71.2	61.5	51.0	44.8	39.5	34.3	30.7	27.2
42.5°	101.9	79.9	66.8	54.5	46.6	39.5	34.3	29.0	25.5	22.8	20.2
45°	72.9	58.0	48.3	39.5	33.4	28.1	23.7	21.1	18.4	16.7	14.9
47.5°	49.2	39.5	33.4	26.4	22.8	19.3	16.7	14.9	13.2	11.4	10.5
50°	31.6	25.5	22.0	17.6	14.9	13.2	11.4	9.7	8.8	7.9	7.9
51°	26.4	21.1	18.4	14.9	13.2	11.4	9.7	8.8	7.9	7.0	6.1
52°	22.0	17.6	14.9	12.3	10.5	9.7	7.9	7.0	6.1	6.1	6.1
53°	18.4	14.9	13.2	10.5	9.7	7.9	7.0	6.1	5.3	5.3	5.3
54°	14.9	12.3	10.5	8.8	7.9	7.0	6.1	5.3	5.3	4.4	4.4
55°	12.3	10.5	8.8	7.9	7.0	6.1	5.3	4.4	4.4	4.4	4.4
57.5°	7.9	7.0	6.1	5.3	4.4	4.4	3.5	3.5	3.5	3.5	3.5
60°	5.3	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
61°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62°	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
63°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
64°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
66°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P175591

CATALOG NUMBER: LDA6A30827D010TE 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°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
82.5°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
85°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
87.5°	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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: P175591

CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	166.0	163.4	159.0	156.4	131.8	118.6	106.3	105.4
5°	169.6	162.5	155.5	149.4	108.9	90.5	78.2	76.4
7.5°	166.0	155.5	145.8	138.8	91.4	71.2	60.6	58.9
10°	156.4	145.0	133.5	124.8	78.2	60.6	51.0	49.2
12.5°	144.1	131.8	120.4	110.7	67.6	54.5	46.6	44.8
15°	130.0	117.7	108.1	99.3	62.4	50.1	44.8	43.0
17.5°	116.8	105.4	96.6	88.7	58.0	48.3	45.7	46.6
20°	103.7	94.9	87.0	80.8	59.7	57.1	65.9	73.8
22.5°	95.8	89.6	85.2	80.8	92.2	142.3	321.6	381.3
25°	100.2	99.3	101.9	108.1	188.9	239.0	210.9	213.5
26°	105.4	107.2	111.6	117.7	161.7	150.2	137.9	147.6
27°	101.9	102.8	101.9	101.0	106.3	105.4	110.7	120.4
28°	85.2	83.5	81.7	79.1	80.8	89.6	101.9	109.8
29°	73.8	72.0	69.4	66.8	70.3	87.0	98.4	103.7
30°	66.8	64.1	61.5	59.7	70.3	86.1	94.0	96.6
31°	62.4	60.6	58.9	58.9	71.2	81.7	86.1	87.0
32°	62.4	60.6	59.7	59.7	65.9	72.9	75.6	76.4
33°	60.6	58.9	56.2	55.3	58.0	63.3	65.9	65.9
34°	53.6	51.8	50.1	47.4	50.1	54.5	57.1	56.2
35°	46.6	44.8	43.0	41.3	43.0	47.4	48.3	47.4
36°	40.4	38.7	36.9	35.1	36.9	40.4	41.3	40.4
37°	36.0	34.3	32.5	30.7	30.7	35.1	36.0	34.3
38°	32.5	29.9	28.1	27.2	27.2	30.7	30.7	29.0
39°	29.0	27.2	25.5	23.7	23.7	26.4	26.4	24.6
40°	25.5	23.7	22.0	21.1	21.1	22.8	22.8	21.1
42.5°	18.4	17.6	16.7	15.8	15.8	17.6	16.7	14.9
45°	14.1	13.2	12.3	12.3	12.3	13.2	11.4	10.5
47.5°	9.7	9.7	8.8	8.8	8.8	9.7	8.8	7.9
50°	7.0	7.0	6.1	6.1	7.0	7.0	6.1	4.4
51°	6.1	6.1	6.1	5.3	6.1	6.1	5.3	4.4
52°	5.3	5.3	5.3	5.3	5.3	5.3	4.4	3.5
53°	4.4	4.4	4.4	4.4	4.4	4.4	3.5	2.6
54°	4.4	4.4	4.4	4.4	4.4	4.4	2.6	2.6
55°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	2.6	1.8
60°	3.5	3.5	3.5	3.5	3.5	3.5	1.8	0.9
61°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
62°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
63°	3.5	3.5	3.5	3.5	4.4	3.5	1.8	0.9
64°	3.5	3.5	3.5	4.4	4.4	3.5	1.8	0.9
65°	3.5	3.5	4.4	4.4	4.4	3.5	1.8	0.9
66°	3.5	4.4	4.4	4.4	4.4	3.5	1.8	0.9



TEST NUMBER: P175591

CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.5	4.4	4.4	4.4	4.4	3.5	2.6	1.8
75°	3.5	4.4	4.4	4.4	4.4	3.5	2.6	1.8
77.5°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
80°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
82.5°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
85°	4.4	4.4	4.4	4.4	4.4	3.5	2.6	1.8
87.5°	4.4	4.4	4.4	4.4	4.4	3.5	1.8	0.9
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°	7.0	6.1	6.1	6.1	6.1	5.3	5.3	5.3	4.4	4.4	3.5
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8





67.5°	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6





67.5°	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5





67.5°	3.5	4.4	4.4	4.4	4.4	3.5	1.8	1.8
70°	3.5	3.5	4.4	4.4	4.4	3.5	2.6	1.8



(END OF REPORT)