

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: P208884

Luminaire Tested: **LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P208884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29058)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°  
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,  
SELF-FLANGED, 35° FLOOD, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1726.3 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

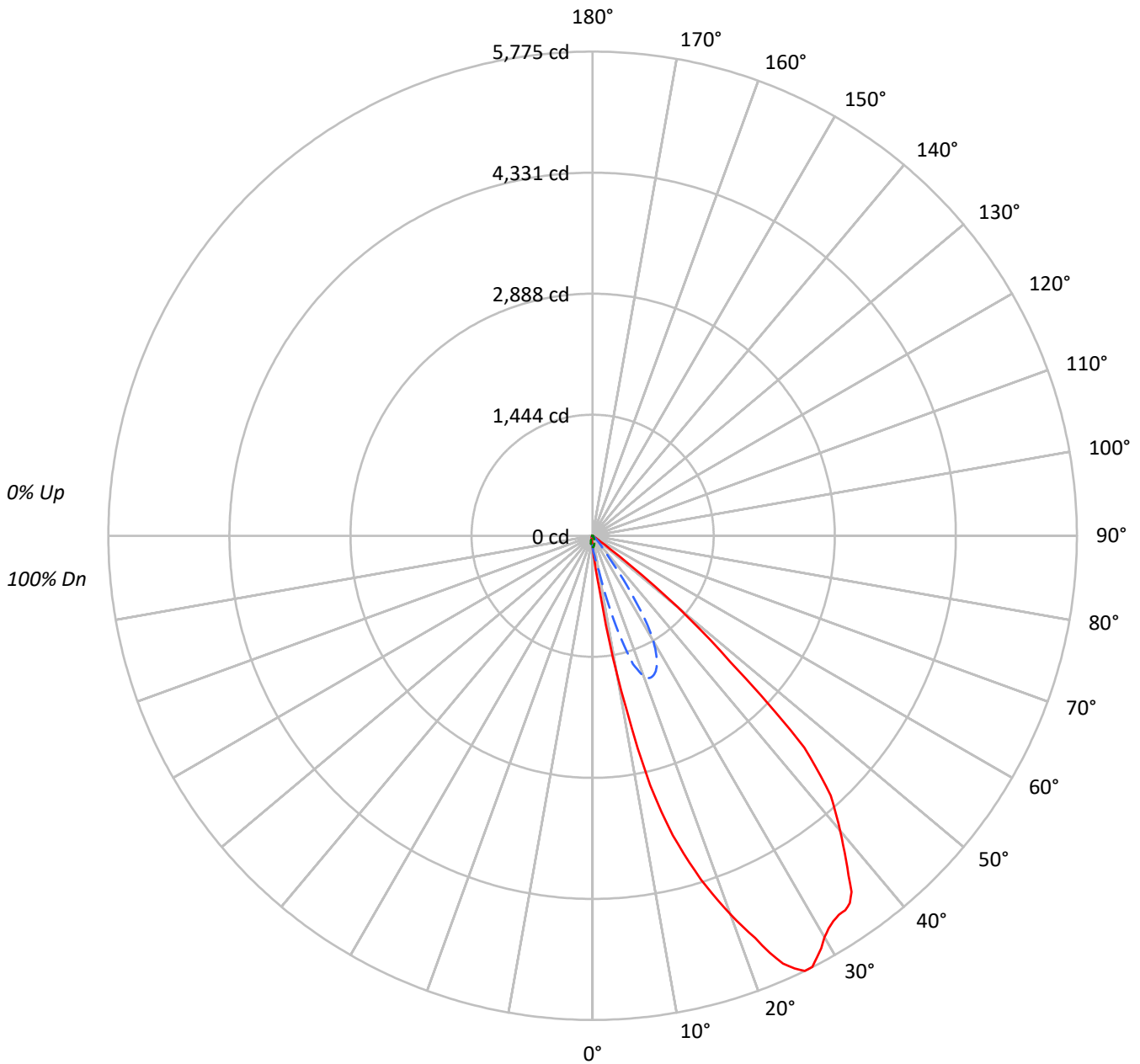
Input Watts (W): 21.79  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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				100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82				82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74				74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60				60
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54				54
7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48				48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44				44
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36				36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	5903	5903	5903
5°	14461	5627	3112
10°	73301	4669	2273
15°	164894	3539	1805
20°	220228	2483	1517
25°	270584	1734	1330
30°	274792	1193	1223
35°	281150	752	1083
40°	258178	450	995
45°	217426	311	901
50°	88933	268	804
55°	4331	255	601
60°	250	250	396
65°	61	295	346
70°	76	365	365
75°	0	566	383
80°	0	843	422
85°	0	1680	543



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	1.2
10°-20°	228.2	13.2
20°-30°	525.5	30.4
30°-40°	577.9	33.5
40°-50°	339.0	19.6
50°-60°	27.6	1.6
60°-70°	2.8	0.2
70°-80°	2.4	0.1
80°-90°	1.9	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°	774.7	44.9
0°-40°	1352.6	78.4
0°-60°	1719.2	99.6
0°-90°	1726.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	335	231	130	80	72	70
15°	3699	1210	79	43	40	1044
25°	5696	1782	36	25	28	2552
35°	5349	641	14	15	21	3258
45°	3571	71	5	10	15	2473
55°	58	3	3	6	8	230
65°	1	2	3	4	3	1
75°	0	2	3	3	2	0
85°	0	2	3	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°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	211.3	206.7	205.6	205.0	201.6	203.3	204.4	201.6	201.6	201.6	195.3
5°	334.6	322.1	320.4	317.5	308.9	308.9	310.1	302.7	299.8	289.5	280.4
7.5°	686.4	639.0	661.3	648.7	613.9	602.5	600.2	568.8	549.4	510.5	475.1
10°	1676.6	1570.4	1602.9	1568.7	1487.6	1436.2	1436.2	1348.2	1282.6	1167.2	1050.7
11°	2094.6	2028.4	2061.5	2021.5	1926.2	1862.8	1861.1	1757.7	1677.2	1535.0	1389.9
12°	2595.4	2493.8	2472.6	2482.4	2375.6	2303.0	2294.5	2180.8	2090.0	1925.6	1760.0
13°	3054.5	2986.0	2914.1	2918.6	2806.7	2732.5	2714.2	2594.9	2498.9	2320.7	2137.4
14°	3395.5	3357.2	3295.0	3288.1	3187.0	3112.2	3090.0	2968.3	2867.8	2688.5	2496.1
15°	3699.3	3663.3	3604.5	3589.0	3492.0	3416.0	3390.3	3263.6	3160.8	2991.7	2805.6
17.5°	4301.7	4278.3	4255.5	4193.8	4120.1	4009.3	3973.4	3826.0	3692.4	3539.9	3336.6
20°	4806.5	4775.1	4727.2	4676.9	4583.8	4463.9	4438.8	4261.2	4121.3	3969.4	3731.8
21°	4991.0	4960.1	4908.7	4851.1	4745.4	4618.7	4583.8	4396.5	4249.2	4091.6	3850.0
22°	5175.4	5146.3	5093.8	5020.7	4903.6	4761.4	4709.4	4511.9	4356.5	4182.9	3940.2
23°	5403.8	5335.3	5278.2	5188.6	5050.9	4889.9	4819.7	4606.7	4443.3	4262.3	4015.1
24°	5584.9	5515.2	5448.4	5339.3	5184.0	5005.3	4915.6	4688.9	4522.1	4326.3	4076.7
25°	5695.7	5659.7	5589.4	5465.5	5297.1	5101.8	4996.7	4756.3	4574.1	4380.0	4127.5
26°	5775.0	5737.3	5676.8	5547.2	5386.1	5187.4	5059.5	4812.8	4624.4	4414.8	4161.2
27°	5772.2	5749.3	5698.5	5584.3	5449.0	5246.8	5112.0	4850.5	4650.6	4432.5	4174.4
28°	5695.7	5695.7	5672.8	5580.3	5463.8	5273.1	5130.9	4857.4	4653.5	4428.5	4165.8
29°	5626.0	5608.3	5612.9	5540.3	5441.0	5254.8	5117.2	4837.4	4632.4	4402.8	4140.1
30°	5527.2	5522.1	5542.0	5483.8	5401.6	5216.0	5073.2	4795.7	4590.7	4360.5	4099.0
31°	5465.5	5451.8	5471.2	5422.7	5332.5	5142.3	5006.4	4735.7	4535.9	4306.3	4048.7
32°	5419.3	5402.7	5425.5	5362.7	5264.5	5076.6	4931.6	4670.0	4464.5	4246.3	3984.8
33°	5391.3	5386.1	5394.7	5309.6	5183.4	4987.6	4856.2	4599.8	4395.9	4178.9	3914.5
34°	5386.1	5375.3	5360.4	5238.2	5101.8	4903.0	4771.1	4521.6	4322.3	4099.6	3828.9
35°	5349.0	5325.0	5291.3	5139.5	4986.4	4796.2	4671.8	4431.3	4229.8	4004.8	3722.7
36°	5253.1	5212.5	5176.0	5017.8	4859.1	4681.5	4564.4	4329.1	4128.1	3895.7	3601.0
37°	5068.6	5054.9	5010.4	4875.6	4730.6	4559.8	4446.8	4222.3	4014.5	3770.6	3465.1
38°	4908.7	4893.9	4852.8	4731.1	4599.2	4435.3	4322.8	4084.7	3886.6	3630.2	3316.7
39°	4746.6	4733.4	4702.0	4569.5	4454.8	4300.6	4188.1	3950.0	3747.2	3474.3	3152.8
40°	4593.5	4580.4	4551.8	4420.5	4306.9	4160.1	4045.9	3803.2	3612.5	3304.7	2964.9
42.5°	4203.5	4159.0	4122.4	3996.2	3894.6	3742.1	3618.7	3369.2	3101.9	2775.9	2435.0
45°	3570.8	3515.4	3472.0	3390.9	3280.1	3162.5	2995.7	2726.2	2449.8	2134.6	1670.3
47.5°	2229.4	2151.7	2102.0	2009.5	1885.0	1804.5	1760.5	1618.4	1429.9	1290.6	937.7
50°	1327.7	1270.6	1228.9	1094.7	999.9	882.3	770.3	563.6	452.3	342.1	283.2
51°	954.8	908.0	883.4	772.6	700.7	616.7	537.9	392.3	315.8	238.7	197.0
52°	552.8	516.8	515.7	444.3	416.3	382.0	326.6	258.7	221.0	173.0	147.9
53°	257.0	235.8	239.8	206.7	195.9	191.3	189.6	150.8	147.3	129.1	109.1
54°	115.4	105.6	98.8	95.4	92.5	93.7	95.9	86.8	83.4	81.1	74.2
55°	57.7	52.5	49.7	52.5	46.8	47.4	49.1	45.7	44.5	44.5	43.4
57.5°	12.6	12.0	12.0	12.6	12.0	12.0	12.6	12.6	12.6	12.0	12.0
60°	2.9	2.9	2.9	2.9	3.4	3.4	3.4	3.4	4.0	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.1
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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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	194.7	190.2	190.7	187.3	185.0	183.3	185.0	179.9	178.7	173.6	170.7
5°	278.1	267.3	263.8	255.8	246.7	242.1	240.4	230.7	225.6	215.9	210.1
7.5°	459.7	425.4	405.4	382.0	353.5	339.2	320.9	303.2	283.8	265.5	253.0
10°	999.9	890.8	809.2	725.2	611.6	554.5	481.4	427.7	374.0	331.8	305.5
11°	1324.8	1186.1	1075.9	959.4	808.6	726.9	620.2	532.2	439.1	374.6	332.4
12°	1676.6	1510.4	1374.5	1222.6	1038.2	928.5	794.9	678.4	548.8	449.4	376.9
13°	2031.2	1840.5	1683.5	1499.6	1290.0	1149.0	991.3	847.4	685.3	558.5	453.4
14°	2374.4	2164.9	1990.7	1777.1	1549.8	1379.7	1200.3	1027.9	836.6	682.4	550.5
15°	2681.1	2459.5	2277.3	2046.6	1807.9	1610.9	1409.9	1209.5	1010.2	813.7	656.7
17.5°	3208.7	2975.7	2796.4	2553.7	2317.9	2093.5	1863.3	1602.9	1356.8	1113.0	927.4
20°	3607.9	3326.9	3112.2	2825.0	2556.0	2303.0	2059.8	1794.2	1551.0	1287.7	1076.4
21°	3709.5	3418.3	3199.0	2911.2	2621.1	2353.9	2098.0	1819.4	1567.0	1301.4	1091.3
22°	3795.8	3503.4	3268.7	2966.6	2670.2	2387.6	2121.5	1828.5	1565.8	1291.7	1080.4
23°	3861.4	3563.9	3325.2	3015.1	2708.5	2412.1	2132.3	1824.5	1552.1	1271.7	1055.3
24°	3923.7	3619.3	3370.3	3045.4	2730.8	2416.1	2126.6	1808.5	1529.3	1241.5	1021.6
25°	3963.7	3656.4	3394.9	3060.3	2731.9	2405.3	2107.7	1781.7	1494.4	1200.3	977.6
26°	3992.2	3674.1	3403.5	3055.1	2722.8	2383.6	2078.1	1741.7	1446.5	1149.5	926.8
27°	3996.8	3673.0	3392.6	3037.4	2692.5	2342.4	2030.1	1685.7	1384.8	1090.7	871.4
28°	3979.6	3651.9	3365.2	3003.2	2650.2	2287.6	1967.8	1618.4	1316.3	1025.6	810.3
29°	3949.4	3616.5	3318.4	2947.2	2584.0	2214.0	1893.0	1540.1	1239.2	951.9	742.9
30°	3901.4	3565.1	3258.4	2881.5	2508.1	2130.6	1806.2	1448.8	1145.0	861.7	655.0
31°	3843.7	3498.8	3177.3	2791.3	2412.7	2032.4	1705.7	1327.1	1023.9	748.1	549.9
32°	3768.9	3414.9	3084.2	2691.4	2305.9	1919.9	1568.1	1171.8	880.0	616.2	436.3
33°	3686.1	3321.8	2973.5	2562.3	2187.1	1769.1	1387.7	995.9	719.5	476.8	320.9
34°	3583.9	3210.4	2855.8	2431.0	2034.7	1573.2	1155.8	806.3	553.9	340.9	218.1
35°	3465.7	3082.0	2713.1	2276.2	1829.6	1347.7	939.9	641.3	396.3	227.3	158.8
36°	3328.1	2942.6	2561.7	2075.8	1596.1	1111.8	731.5	470.0	271.2	173.0	136.5
37°	3179.6	2786.7	2359.0	1866.8	1345.4	879.4	544.2	330.6	205.0	153.6	118.2
38°	3012.9	2620.5	2129.4	1607.5	1093.6	664.7	388.9	246.7	176.5	133.6	101.1
39°	2828.4	2415.5	1866.8	1334.5	850.9	479.1	296.4	202.7	152.5	115.4	87.4
40°	2624.0	2126.6	1580.7	1065.0	632.7	345.5	241.6	175.3	133.1	98.8	74.2
42.5°	1943.3	1410.5	869.7	502.5	298.7	215.3	160.5	123.3	87.4	59.4	38.3
45°	1167.8	720.1	381.5	261.0	189.0	144.5	103.4	71.4	41.7	25.7	17.7
47.5°	521.9	300.9	213.6	168.5	122.2	86.2	50.3	30.3	18.8	13.1	9.7
50°	203.3	165.0	127.3	97.1	58.8	34.3	21.7	14.3	9.7	6.9	4.6
51°	157.0	127.9	99.4	71.4	39.4	24.0	16.0	10.8	7.4	5.1	3.4
52°	120.5	98.2	74.8	48.0	26.8	18.3	12.6	8.0	5.7	3.4	2.9
53°	88.5	75.4	52.0	33.7	19.4	13.7	9.7	6.3	4.0	2.9	2.3
54°	61.1	52.0	33.1	21.1	14.3	10.3	6.9	4.6	2.9	2.3	2.3
55°	37.1	32.5	21.7	15.4	10.3	7.4	5.1	3.4	2.3	1.7	1.7
57.5°	11.4	10.3	8.6	6.9	4.6	3.4	2.3	1.7	1.7	1.7	1.7
60°	4.0	4.0	3.4	2.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7





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CATALOG NUMBER: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
64°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.3
65°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.3
66°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.3
67.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.3
70°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3	2.3
72.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3	2.3
75°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
77.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
80°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
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: P208884

CATALOG NUMBER: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	168.5	165.6	163.3	161.0	158.2	156.5	154.8	151.3	149.6	145.6	142.8
5°	203.9	197.6	191.3	185.0	179.3	174.7	170.2	163.9	159.3	152.5	146.8
7.5°	239.3	226.7	215.3	205.6	195.3	187.9	179.3	170.2	162.2	153.0	144.5
10°	279.2	255.8	236.4	219.3	204.4	192.4	181.0	168.5	158.8	146.8	137.1
11°	296.4	268.4	244.4	223.9	206.7	193.0	179.9	166.2	155.3	143.3	132.5
12°	321.5	280.4	252.4	228.4	207.9	192.4	178.2	163.3	151.9	139.3	128.5
13°	363.8	302.1	260.4	231.3	209.6	191.3	175.3	159.3	147.3	134.2	122.8
14°	434.0	340.3	277.0	236.4	209.6	190.2	171.9	154.8	141.6	128.5	117.1
15°	519.7	402.6	308.9	247.3	209.0	187.9	168.5	150.2	135.9	122.2	109.6
17.5°	738.9	582.5	446.0	327.8	239.8	183.9	155.9	134.8	119.3	103.9	92.5
20°	870.3	692.1	539.1	402.6	289.5	201.6	145.0	117.6	101.1	87.4	76.5
21°	886.3	706.4	549.4	411.7	295.2	203.9	141.6	110.2	93.7	79.9	70.2
22°	881.1	702.4	544.8	406.6	289.5	198.7	135.3	103.4	86.8	73.7	64.0
23°	856.0	680.1	523.1	386.0	274.1	186.7	126.2	95.9	79.9	67.4	58.2
24°	819.5	643.0	490.0	355.8	246.7	165.6	113.1	87.9	73.1	61.7	54.2
25°	776.1	600.7	448.3	321.5	214.1	142.2	99.4	79.9	66.2	56.0	49.7
26°	727.5	555.1	404.9	282.7	179.9	119.3	87.9	72.5	59.4	50.3	45.1
27°	675.6	505.4	359.2	240.4	149.6	101.6	79.4	64.5	53.7	46.3	41.1
28°	620.2	455.7	309.5	200.4	123.9	89.1	71.4	57.7	48.0	41.7	37.7
29°	557.9	397.5	261.5	163.9	102.2	78.8	63.4	51.4	43.4	38.3	34.8
30°	479.7	331.8	209.6	131.9	87.9	70.2	56.5	46.3	39.4	35.4	32.0
31°	390.6	258.1	159.3	104.5	76.5	62.2	50.3	41.7	36.0	32.5	29.1
32°	295.2	187.9	118.8	86.8	67.4	54.8	44.5	37.7	33.1	29.1	26.8
33°	207.9	134.2	95.9	75.4	58.8	48.0	40.0	34.3	30.3	26.3	24.0
34°	142.8	107.9	83.4	65.1	51.4	42.8	36.0	30.8	26.8	23.4	21.1
35°	120.5	94.2	72.0	56.0	44.5	37.7	32.0	27.4	23.4	20.6	18.3
36°	103.9	81.7	61.7	49.1	38.8	32.5	28.0	23.4	20.0	17.1	16.0
37°	89.7	70.2	53.1	42.3	33.1	27.4	22.8	19.4	17.1	14.8	13.7
38°	77.7	59.4	45.1	36.0	27.4	22.3	18.8	16.0	14.3	12.6	11.4
39°	66.2	49.7	36.5	28.6	21.7	18.3	15.4	13.7	12.0	10.8	9.7
40°	54.8	39.4	28.0	22.3	17.1	14.8	12.6	11.4	9.7	9.1	8.6
42.5°	25.7	18.8	14.8	12.6	10.3	9.1	8.0	6.9	6.3	5.7	5.7
45°	13.1	10.8	8.0	6.9	5.7	5.1	4.6	4.0	4.0	4.0	4.0
47.5°	6.9	5.1	4.0	3.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
50°	3.4	2.3	2.3	2.3	1.7	2.3	2.3	2.3	2.3	2.9	2.9
51°	2.3	2.3	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9	2.9
52°	2.3	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9	2.9
53°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
54°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
55°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.9
57.5°	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.9
60°	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.9



TEST NUMBER: P208884

CATALOG NUMBER: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P208884

CATALOG NUMBER: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	142.8	137.6	138.2	135.3	113.1	101.1	94.8	90.2
5°	143.9	136.5	134.8	130.2	94.2	80.5	74.8	72.0
7.5°	139.9	130.2	126.8	120.5	79.9	67.4	62.8	60.5
10°	130.8	119.9	114.2	106.8	68.5	58.2	53.7	52.0
11°	126.2	114.8	109.1	101.6	64.5	54.8	50.8	49.1
12°	121.1	109.1	103.9	95.9	60.5	51.4	48.0	46.3
13°	115.4	103.4	98.2	90.8	56.5	48.5	45.7	44.0
14°	108.5	97.6	92.5	85.7	53.1	45.7	43.4	42.3
15°	102.2	91.9	86.2	79.4	50.3	43.4	41.7	40.5
17.5°	85.7	76.5	72.0	66.2	42.3	37.1	37.1	36.5
20°	70.2	62.2	58.8	54.2	35.4	32.5	33.1	33.1
21°	64.5	57.7	54.2	50.3	33.7	30.8	32.0	32.0
22°	58.8	52.5	50.3	46.3	31.4	29.1	30.8	30.8
23°	54.2	48.0	46.3	42.8	29.1	28.0	29.7	29.7
24°	49.7	44.5	42.3	39.4	27.4	26.3	28.6	29.1
25°	45.7	40.5	38.8	36.5	25.7	25.1	27.4	28.0
26°	41.7	37.1	36.0	33.7	24.0	24.0	26.3	27.4
27°	38.3	34.8	33.1	30.8	22.3	22.8	25.7	26.3
28°	35.4	32.0	30.3	28.6	20.6	21.7	24.6	25.7
29°	32.5	29.1	28.0	26.3	19.4	20.6	23.4	25.1
30°	29.7	26.8	25.7	24.0	18.3	19.4	22.8	24.6
31°	27.4	24.6	23.4	21.7	17.1	18.8	21.7	23.4
32°	24.6	22.3	21.1	20.0	16.0	17.7	21.1	22.8
33°	22.3	19.4	18.8	17.7	15.4	17.1	20.6	21.7
34°	19.4	17.1	16.6	16.0	14.3	16.0	19.4	21.1
35°	16.6	15.4	14.8	14.3	13.1	15.4	18.8	20.6
36°	14.8	13.1	13.1	12.6	12.6	14.8	18.3	20.0
37°	12.6	12.0	11.4	11.4	11.4	13.7	17.1	19.4
38°	10.8	10.3	10.3	10.3	10.8	13.1	16.6	18.8
39°	9.1	9.1	9.1	9.1	10.3	12.6	16.0	18.3
40°	8.0	8.0	8.0	8.0	9.7	12.0	15.4	17.7
42.5°	5.7	5.7	5.7	6.3	8.0	10.8	13.7	16.6
45°	4.6	4.6	4.6	5.1	7.4	9.7	12.6	14.8
47.5°	3.4	3.4	4.0	4.6	6.3	8.6	11.4	13.7
50°	2.9	3.4	3.4	4.0	5.7	8.0	9.7	12.0
51°	2.9	2.9	3.4	3.4	5.1	7.4	9.1	11.4
52°	2.9	2.9	3.4	3.4	5.1	6.9	9.1	10.3
53°	2.9	2.9	3.4	3.4	5.1	6.9	8.6	9.7
54°	2.9	2.9	3.4	3.4	4.6	6.3	8.0	9.1
55°	2.9	2.9	3.4	3.4	4.6	6.3	8.0	8.0
57.5°	2.9	2.9	2.9	3.4	4.0	5.7	6.9	6.9
60°	2.9	2.9	2.9	2.9	4.0	5.1	6.3	4.6



TEST NUMBER: P208884

CATALOG NUMBER: LDSQA6A15827D010TE LAR35FL 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.9	2.9	2.9	2.9	3.4	4.6	5.1	3.4
64°	2.9	2.9	2.9	3.4	3.4	4.6	4.6	3.4
65°	2.9	2.9	2.9	2.9	3.4	4.0	4.6	3.4
66°	2.9	2.9	2.9	2.9	3.4	4.0	4.0	3.4
67.5°	2.9	2.9	2.9	2.9	3.4	4.0	4.0	2.9
70°	2.9	2.9	2.9	2.9	3.4	3.4	3.4	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	3.4	2.9	2.3
75°	2.9	2.9	3.4	3.4	2.9	2.9	2.3	2.3
77.5°	2.9	2.9	3.4	3.4	2.9	2.9	2.3	1.7
80°	2.9	2.9	3.4	3.4	2.9	2.3	1.7	1.7
82.5°	2.9	2.9	3.4	3.4	2.9	2.3	1.7	1.1
85°	2.9	2.9	3.4	3.4	2.9	2.3	1.1	1.1
87.5°	2.9	2.9	3.4	3.4	2.9	1.7	1.1	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°









61°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
62°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7





61°	2.9	2.9	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





61°	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
62°	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9







61°	2.9	2.9	2.9	2.9	4.0	5.1	5.7	4.0
62°	2.9	2.9	2.9	2.9	4.0	5.1	5.1	4.0



(END OF REPORT)