

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: P208886

Luminaire Tested: **LDSQA6A15835D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208886
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: LDSQA6A15835D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1793.6 lumens
Efficiency: N/A
Efficacy: 82.3 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

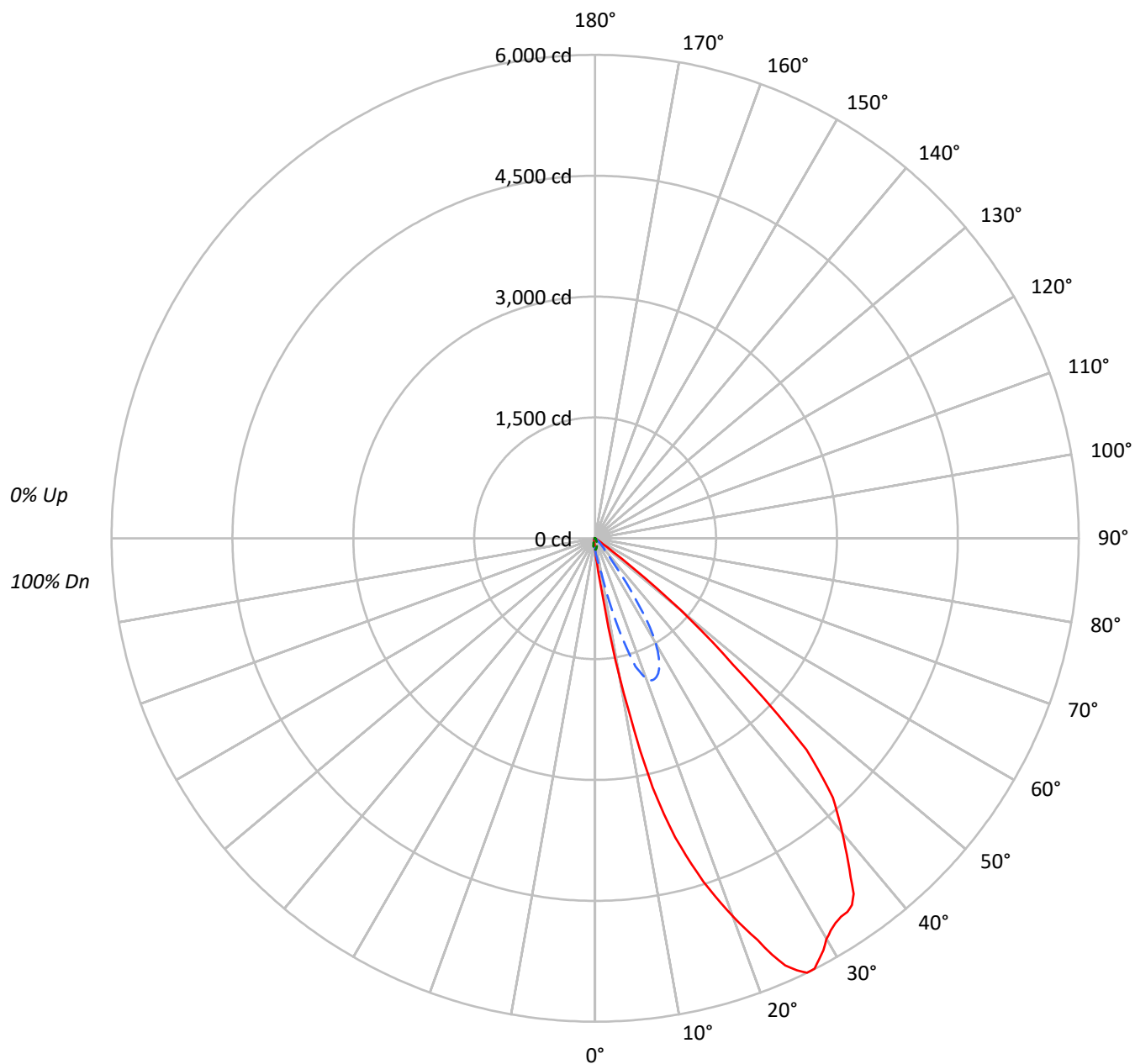
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	92	83	76	71	90	82	76	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	61	55	51		60	54	50		59
8	70	58	51	46	68	58	51	46	56	50	46		55	50	46		54
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50
10	61	49	42	38	60	49	42	38	48	42	38		47	42	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6131	6131	6131
5°	15028	5848	3233
10°	76156	4849	2361
15°	171313	3677	1877
20°	228806	2584	1576
25°	281121	1805	1382
30°	285491	1238	1268
35°	292099	778	1125
40°	268234	467	1034
45°	225889	323	938
50°	92396	281	837
55°	4496	270	623
60°	258	258	405
65°	61	306	367
70°	76	378	378
75°	0	599	399
80°	0	893	446
85°	0	1778	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	1.2
10°-20°	237.1	13.2
20°-30°	546.0	30.4
30°-40°	600.4	33.5
40°-50°	352.2	19.6
50°-60°	28.7	1.6
60°-70°	3.0	0.2
70°-80°	2.5	0.1
80°-90°	2.0	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°	804.9	44.9
0°-40°	1405.3	78.4
0°-60°	1786.2	99.6
0°-90°	1793.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1793.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	348	240	135	84	75	73
15°	3843	1257	82	45	42	1085
25°	5918	1851	38	26	29	2652
35°	5557	666	15	16	21	3385
45°	3710	74	5	10	15	2569
55°	60	4	4	6	8	239
65°	1	2	3	4	4	1
75°	0	2	4	3	2	0
85°	0	2	4	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°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4
2.5°	219.5	214.8	213.6	213.0	209.4	211.2	212.4	209.4	209.4	209.4	202.9
5°	347.7	334.6	332.8	329.9	321.0	321.0	322.2	314.4	311.5	300.8	291.3
7.5°	713.1	663.9	687.0	674.0	637.8	625.9	623.5	590.9	570.7	530.4	493.6
10°	1741.9	1631.5	1665.4	1629.8	1545.5	1492.1	1492.1	1400.8	1332.5	1212.7	1091.7
11°	2176.2	2107.4	2141.8	2100.2	2001.2	1935.3	1933.5	1826.1	1742.5	1594.8	1444.1
12°	2696.5	2590.9	2568.9	2579.0	2468.1	2392.7	2383.8	2265.8	2171.4	2000.6	1828.5
13°	3173.5	3102.3	3027.6	3032.3	2916.0	2838.9	2819.9	2695.9	2596.2	2411.1	2220.7
14°	3527.7	3487.9	3423.3	3416.2	3311.1	3233.4	3210.3	3083.9	2979.5	2793.2	2593.3
15°	3843.3	3805.9	3744.8	3728.8	3628.0	3549.1	3522.4	3390.6	3283.9	3108.2	2914.8
17.5°	4469.2	4444.9	4421.2	4357.1	4280.6	4165.5	4128.1	3975.0	3836.2	3677.8	3466.6
20°	4993.7	4961.1	4911.2	4859.0	4762.3	4637.7	4611.6	4427.1	4281.8	4124.0	3877.1
21°	5185.3	5153.3	5099.9	5040.0	4930.2	4798.5	4762.3	4567.7	4414.7	4250.9	4000.0
22°	5377.0	5346.7	5292.1	5216.2	5094.6	4946.8	4892.9	4687.6	4526.2	4345.8	4093.7
23°	5614.3	5543.1	5483.8	5390.6	5247.6	5080.3	5007.4	4786.1	4616.4	4428.3	4171.4
24°	5802.4	5730.0	5660.6	5547.2	5385.9	5200.2	5107.0	4871.5	4698.3	4494.8	4235.5
25°	5917.5	5880.1	5807.1	5678.4	5503.3	5300.4	5191.3	4941.5	4752.2	4550.5	4288.3
26°	5999.9	5960.8	5897.9	5763.2	5595.9	5389.4	5256.5	5000.2	4804.5	4586.7	4323.3
27°	5997.0	5973.2	5920.4	5801.8	5661.2	5451.1	5311.1	5039.4	4831.7	4605.1	4336.9
28°	5917.5	5917.5	5893.7	5797.6	5676.6	5478.4	5330.7	5046.5	4834.7	4601.0	4328.0
29°	5845.1	5826.7	5831.4	5756.1	5652.9	5459.4	5316.5	5025.7	4812.8	4574.3	4301.3
30°	5742.4	5737.1	5757.9	5697.4	5611.9	5419.1	5270.8	4982.4	4769.4	4530.4	4258.6
31°	5678.4	5664.1	5684.3	5633.9	5540.1	5342.6	5201.4	4920.1	4712.5	4474.0	4206.4
32°	5630.3	5613.1	5636.8	5571.6	5469.5	5274.3	5123.6	4851.9	4638.3	4411.7	4140.0
33°	5601.2	5595.9	5604.8	5516.4	5385.3	5181.8	5045.3	4778.9	4567.1	4341.7	4067.0
34°	5595.9	5584.6	5569.2	5442.2	5300.4	5094.0	4956.9	4697.7	4490.6	4259.2	3978.0
35°	5557.3	5532.4	5497.4	5339.6	5180.6	4983.0	4853.7	4603.9	4394.5	4160.7	3867.6
36°	5457.7	5415.5	5377.6	5213.2	5048.3	4863.8	4742.2	4497.7	4288.9	4047.4	3741.3
37°	5266.0	5251.8	5205.5	5065.5	4914.8	4737.4	4619.9	4386.8	4170.8	3917.5	3600.1
38°	5099.9	5084.5	5041.8	4915.4	4778.3	4608.1	4491.2	4243.8	4037.9	3771.5	3445.8
39°	4931.4	4917.8	4885.1	4747.5	4628.2	4468.1	4351.2	4103.8	3893.2	3609.6	3275.5
40°	4772.4	4758.8	4729.1	4592.6	4474.6	4322.1	4203.5	3951.3	3753.1	3433.4	3080.4
42.5°	4367.2	4320.9	4283.0	4151.8	4046.2	3887.8	3759.7	3500.4	3222.7	2884.0	2529.8
45°	3709.8	3652.3	3607.2	3522.9	3407.9	3285.6	3112.4	2832.4	2545.2	2217.7	1735.4
47.5°	2316.2	2235.5	2183.9	2087.8	1958.4	1874.8	1829.1	1681.4	1485.6	1340.8	974.2
50°	1379.4	1320.1	1276.8	1137.3	1038.8	916.6	800.3	585.6	469.9	355.4	294.3
51°	992.0	943.3	917.8	802.7	728.0	640.8	558.9	407.6	328.1	248.0	204.7
52°	574.3	536.9	535.7	461.6	432.5	396.9	339.4	268.8	229.6	179.8	153.7
53°	267.0	245.0	249.2	214.8	203.5	198.8	197.0	156.6	153.1	134.1	113.3
54°	119.8	109.8	102.6	99.1	96.1	97.3	99.7	90.2	86.6	84.2	77.1
55°	59.9	54.6	51.6	54.6	48.6	49.2	51.0	47.5	46.3	46.3	45.1
57.5°	13.1	12.5	12.5	13.1	12.5	12.5	13.1	13.1	13.1	12.5	12.5
60°	3.0	3.0	3.0	3.0	3.6	3.6	3.6	3.6	4.2	4.7	4.7



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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	1.2	1.2	1.2
64°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
66°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
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°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4
2.5°	202.3	197.6	198.2	194.6	192.2	190.4	192.2	186.9	185.7	180.4	177.4
5°	288.9	277.7	274.1	265.8	256.3	251.6	249.8	239.7	234.3	224.3	218.3
7.5°	477.6	442.0	421.2	396.9	367.2	352.4	333.4	315.0	294.9	275.9	262.8
10°	1038.8	925.5	840.7	753.5	635.4	576.1	500.1	444.4	388.6	344.7	317.4
11°	1376.4	1232.3	1117.8	996.7	840.1	755.3	644.3	552.9	456.2	389.2	345.3
12°	1741.9	1569.2	1428.0	1270.2	1078.6	964.7	825.9	704.8	570.2	466.9	391.6
13°	2110.3	1912.2	1749.0	1558.0	1340.2	1193.7	1029.9	880.4	711.9	580.2	471.1
14°	2466.9	2249.2	2068.2	1846.3	1610.2	1433.4	1247.1	1067.9	869.2	709.0	571.9
15°	2785.5	2555.3	2366.0	2126.3	1878.4	1673.7	1464.8	1256.6	1049.5	845.4	682.3
17.5°	3333.7	3091.6	2905.3	2653.2	2408.2	2175.0	1935.9	1665.4	1409.7	1156.3	963.5
20°	3748.4	3456.5	3233.4	2935.0	2655.6	2392.7	2140.0	1864.1	1611.4	1337.9	1118.3
21°	3854.0	3551.4	3323.6	3024.6	2723.2	2445.5	2179.7	1890.2	1628.0	1352.1	1133.8
22°	3943.6	3639.8	3396.0	3082.1	2774.2	2480.5	2204.1	1899.7	1626.8	1342.0	1122.5
23°	4011.8	3702.7	3454.7	3132.6	2814.0	2506.1	2215.3	1895.6	1612.6	1321.3	1096.4
24°	4076.5	3760.3	3501.6	3164.0	2837.1	2510.2	2209.4	1878.9	1588.8	1289.8	1061.4
25°	4118.0	3798.8	3527.1	3179.4	2838.3	2498.9	2189.8	1851.1	1552.6	1247.1	1015.7
26°	4147.7	3817.2	3536.0	3174.1	2828.8	2476.4	2159.0	1809.5	1502.8	1194.3	962.9
27°	4152.4	3816.0	3524.7	3155.7	2797.4	2433.7	2109.1	1751.4	1438.7	1133.2	905.4
28°	4134.6	3794.1	3496.3	3120.1	2753.5	2376.7	2044.5	1681.4	1367.5	1065.5	841.9
29°	4103.2	3757.3	3447.6	3062.0	2684.6	2300.2	1966.8	1600.1	1287.4	989.0	771.9
30°	4053.3	3703.9	3385.3	2993.7	2605.7	2213.6	1876.6	1505.2	1189.5	895.3	680.5
31°	3993.4	3635.1	3301.1	2900.0	2506.6	2111.5	1772.2	1378.8	1063.8	777.2	571.3
32°	3915.7	3547.9	3204.4	2796.2	2395.7	1994.6	1629.2	1217.4	914.3	640.2	453.3
33°	3829.7	3451.2	3089.3	2662.1	2272.3	1838.0	1441.7	1034.7	747.5	495.4	333.4
34°	3723.5	3335.5	2967.0	2525.6	2113.9	1634.5	1200.8	837.7	575.5	354.2	226.6
35°	3600.7	3202.0	2818.7	2364.8	1900.9	1400.2	976.6	666.3	411.7	236.1	164.9
36°	3457.7	3057.2	2661.5	2156.6	1658.2	1155.1	760.0	488.3	281.8	179.8	141.8
37°	3303.4	2895.2	2450.9	1939.5	1397.8	913.7	565.4	343.5	213.0	159.6	122.8
38°	3130.2	2722.6	2212.4	1670.1	1136.1	690.6	404.0	256.3	183.3	138.8	105.0
39°	2938.6	2509.6	1939.5	1386.5	884.0	497.8	307.9	210.6	158.4	119.8	90.8
40°	2726.2	2209.4	1642.2	1106.5	657.4	358.9	251.0	182.1	138.2	102.6	77.1
42.5°	2019.0	1465.4	903.6	522.1	310.3	223.7	166.7	128.2	90.8	61.7	39.8
45°	1213.3	748.1	396.3	271.1	196.4	150.1	107.4	74.2	43.3	26.7	18.4
47.5°	542.3	312.7	221.9	175.0	127.0	89.6	52.2	31.4	19.6	13.6	10.1
50°	211.2	171.5	132.3	100.9	61.1	35.6	22.5	14.8	10.1	7.1	4.7
51°	163.2	132.9	103.2	74.2	40.9	24.9	16.6	11.3	7.7	5.3	3.6
52°	125.2	102.0	77.7	49.8	27.9	19.0	13.1	8.3	5.9	3.6	3.0
53°	92.0	78.3	54.0	35.0	20.2	14.2	10.1	6.5	4.2	3.0	2.4
54°	63.5	54.0	34.4	22.0	14.8	10.7	7.1	4.7	3.0	2.4	2.4
55°	38.6	33.8	22.5	16.0	10.7	7.7	5.3	3.6	2.4	1.8	1.8
57.5°	11.9	10.7	8.9	7.1	4.7	3.6	2.4	1.8	1.8	1.8	1.8
60°	4.2	4.2	3.6	3.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
64°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.4
65°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.4
66°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.4
67.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	2.4
70°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.4	2.4
72.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.4	2.4
75°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4
77.5°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	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: P208886

CATALOG NUMBER: LDSQA6A15835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4
2.5°	175.0	172.1	169.7	167.3	164.3	162.6	160.8	157.2	155.4	151.3	148.3
5°	211.8	205.3	198.8	192.2	186.3	181.5	176.8	170.3	165.5	158.4	152.5
7.5°	248.6	235.5	223.7	213.6	202.9	195.2	186.3	176.8	168.5	159.0	150.1
10°	290.1	265.8	245.6	227.8	212.4	199.9	188.1	175.0	164.9	152.5	142.4
11°	307.9	278.8	253.9	232.6	214.8	200.5	186.9	172.6	161.4	148.9	137.6
12°	334.0	291.3	262.2	237.3	216.0	199.9	185.1	169.7	157.8	144.8	133.5
13°	377.9	313.8	270.5	240.3	217.7	198.8	182.1	165.5	153.1	139.4	127.6
14°	450.9	353.6	287.7	245.6	217.7	197.6	178.6	160.8	147.1	133.5	121.6
15°	539.9	418.3	321.0	256.9	217.1	195.2	175.0	156.0	141.2	127.0	113.9
17.5°	767.7	605.2	463.4	340.5	249.2	191.0	162.0	140.0	124.0	108.0	96.1
20°	904.2	719.1	560.1	418.3	300.8	209.4	150.7	122.2	105.0	90.8	79.5
21°	920.8	733.9	570.7	427.8	306.7	211.8	147.1	114.5	97.3	83.1	73.0
22°	915.4	729.7	566.0	422.4	300.8	206.5	140.6	107.4	90.2	76.5	66.4
23°	889.3	706.6	543.5	401.1	284.8	194.0	131.1	99.7	83.1	70.0	60.5
24°	851.4	668.0	509.0	369.6	256.3	172.1	117.5	91.4	75.9	64.1	56.4
25°	806.3	624.1	465.7	334.0	222.5	147.7	103.2	83.1	68.8	58.1	51.6
26°	755.8	576.7	420.6	293.7	186.9	124.0	91.4	75.3	61.7	52.2	46.9
27°	701.9	525.1	373.2	249.8	155.4	105.6	82.5	67.0	55.8	48.1	42.7
28°	644.3	473.4	321.6	208.2	128.7	92.6	74.2	59.9	49.8	43.3	39.2
29°	579.6	412.9	271.7	170.3	106.2	81.9	65.9	53.4	45.1	39.8	36.2
30°	498.4	344.7	217.7	137.0	91.4	73.0	58.7	48.1	40.9	36.8	33.2
31°	405.8	268.2	165.5	108.6	79.5	64.7	52.2	43.3	37.4	33.8	30.3
32°	306.7	195.2	123.4	90.2	70.0	57.0	46.3	39.2	34.4	30.3	27.9
33°	216.0	139.4	99.7	78.3	61.1	49.8	41.5	35.6	31.4	27.3	24.9
34°	148.3	112.1	86.6	67.6	53.4	44.5	37.4	32.0	27.9	24.3	22.0
35°	125.2	97.9	74.8	58.1	46.3	39.2	33.2	28.5	24.3	21.4	19.0
36°	108.0	84.8	64.1	51.0	40.3	33.8	29.1	24.3	20.8	17.8	16.6
37°	93.1	73.0	55.2	43.9	34.4	28.5	23.7	20.2	17.8	15.4	14.2
38°	80.7	61.7	46.9	37.4	28.5	23.1	19.6	16.6	14.8	13.1	11.9
39°	68.8	51.6	38.0	29.7	22.5	19.0	16.0	14.2	12.5	11.3	10.1
40°	57.0	40.9	29.1	23.1	17.8	15.4	13.1	11.9	10.1	9.5	8.9
42.5°	26.7	19.6	15.4	13.1	10.7	9.5	8.3	7.1	6.5	5.9	5.9
45°	13.6	11.3	8.3	7.1	5.9	5.3	4.7	4.2	4.2	4.2	4.2
47.5°	7.1	5.3	4.2	3.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
50°	3.6	2.4	2.4	2.4	1.8	2.4	2.4	2.4	2.4	3.0	3.0
51°	2.4	2.4	1.8	1.8	1.8	2.4	2.4	2.4	2.4	3.0	3.0
52°	2.4	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	3.0	3.0
53°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	3.0	3.0
54°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	3.0	3.0
55°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	3.0
57.5°	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	3.0
60°	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	3.0



TEST NUMBER: P208886

CATALOG NUMBER: LDSQA6A15835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
64°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
66°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.0
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.0
70°	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0
75°	2.4	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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: P208886

CATALOG NUMBER: LDSQA6A15835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4
2.5°	148.3	143.0	143.6	140.6	117.5	105.0	98.5	93.7
5°	149.5	141.8	140.0	135.3	97.9	83.7	77.7	74.8
7.5°	145.4	135.3	131.7	125.2	83.1	70.0	65.3	62.9
10°	135.9	124.6	118.7	110.9	71.2	60.5	55.8	54.0
11°	131.1	119.3	113.3	105.6	67.0	57.0	52.8	51.0
12°	125.8	113.3	108.0	99.7	62.9	53.4	49.8	48.1
13°	119.8	107.4	102.0	94.3	58.7	50.4	47.5	45.7
14°	112.7	101.5	96.1	89.0	55.2	47.5	45.1	43.9
15°	106.2	95.5	89.6	82.5	52.2	45.1	43.3	42.1
17.5°	89.0	79.5	74.8	68.8	43.9	38.6	38.6	38.0
20°	73.0	64.7	61.1	56.4	36.8	33.8	34.4	34.4
21°	67.0	59.9	56.4	52.2	35.0	32.0	33.2	33.2
22°	61.1	54.6	52.2	48.1	32.6	30.3	32.0	32.0
23°	56.4	49.8	48.1	44.5	30.3	29.1	30.9	30.9
24°	51.6	46.3	43.9	40.9	28.5	27.3	29.7	30.3
25°	47.5	42.1	40.3	38.0	26.7	26.1	28.5	29.1
26°	43.3	38.6	37.4	35.0	24.9	24.9	27.3	28.5
27°	39.8	36.2	34.4	32.0	23.1	23.7	26.7	27.3
28°	36.8	33.2	31.4	29.7	21.4	22.5	25.5	26.7
29°	33.8	30.3	29.1	27.3	20.2	21.4	24.3	26.1
30°	30.9	27.9	26.7	24.9	19.0	20.2	23.7	25.5
31°	28.5	25.5	24.3	22.5	17.8	19.6	22.5	24.3
32°	25.5	23.1	22.0	20.8	16.6	18.4	22.0	23.7
33°	23.1	20.2	19.6	18.4	16.0	17.8	21.4	22.5
34°	20.2	17.8	17.2	16.6	14.8	16.6	20.2	22.0
35°	17.2	16.0	15.4	14.8	13.6	16.0	19.6	21.4
36°	15.4	13.6	13.6	13.1	13.1	15.4	19.0	20.8
37°	13.1	12.5	11.9	11.9	11.9	14.2	17.8	20.2
38°	11.3	10.7	10.7	10.7	11.3	13.6	17.2	19.6
39°	9.5	9.5	9.5	9.5	10.7	13.1	16.6	19.0
40°	8.3	8.3	8.3	8.3	10.1	12.5	16.0	18.4
42.5°	5.9	5.9	5.9	6.5	8.3	11.3	14.2	17.2
45°	4.7	4.7	4.7	5.3	7.7	10.1	13.1	15.4
47.5°	3.6	3.6	4.2	4.7	6.5	8.9	11.9	14.2
50°	3.0	3.6	3.6	4.2	5.9	8.3	10.1	12.5
51°	3.0	3.0	3.6	3.6	5.3	7.7	9.5	11.9
52°	3.0	3.0	3.6	3.6	5.3	7.1	9.5	10.7
53°	3.0	3.0	3.6	3.6	5.3	7.1	8.9	10.1
54°	3.0	3.0	3.6	3.6	4.7	6.5	8.3	9.5
55°	3.0	3.0	3.6	3.6	4.7	6.5	8.3	8.3
57.5°	3.0	3.0	3.0	3.6	4.2	5.9	7.1	7.1
60°	3.0	3.0	3.0	3.0	4.2	5.3	6.5	4.7



TEST NUMBER: P208886

CATALOG NUMBER: LDSQA6A15835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.0	3.0	3.0	3.0	3.6	4.7	5.3	3.6
64°	3.0	3.0	3.0	3.6	3.6	4.7	4.7	3.6
65°	3.0	3.0	3.0	3.0	3.6	4.2	4.7	3.6
66°	3.0	3.0	3.0	3.0	3.6	4.2	4.2	3.6
67.5°	3.0	3.0	3.0	3.0	3.6	4.2	4.2	3.0
70°	3.0	3.0	3.0	3.0	3.6	3.6	3.6	3.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.6	3.0	2.4
75°	3.0	3.0	3.6	3.6	3.0	3.0	2.4	2.4
77.5°	3.0	3.0	3.6	3.6	3.0	3.0	2.4	1.8
80°	3.0	3.0	3.6	3.6	3.0	2.4	1.8	1.8
82.5°	3.0	3.0	3.6	3.6	3.0	2.4	1.8	1.2
85°	3.0	3.0	3.6	3.6	3.0	2.4	1.2	1.2
87.5°	3.0	3.0	3.6	3.6	3.0	1.8	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°







61°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	3.0	3.0
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8





61°	3.0	3.0	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





61°	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
62°	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0





61°	3.0	3.0	3.0	3.0	4.2	5.3	5.9	4.2
62°	3.0	3.0	3.0	3.0	4.2	5.3	5.3	4.2



(END OF REPORT)