

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: P208885

Luminaire Tested: **LDSQA6A15830D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208885
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: LDSQA6A15830D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1761.8 lumens
Efficiency: N/A
Efficacy: 80.9 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

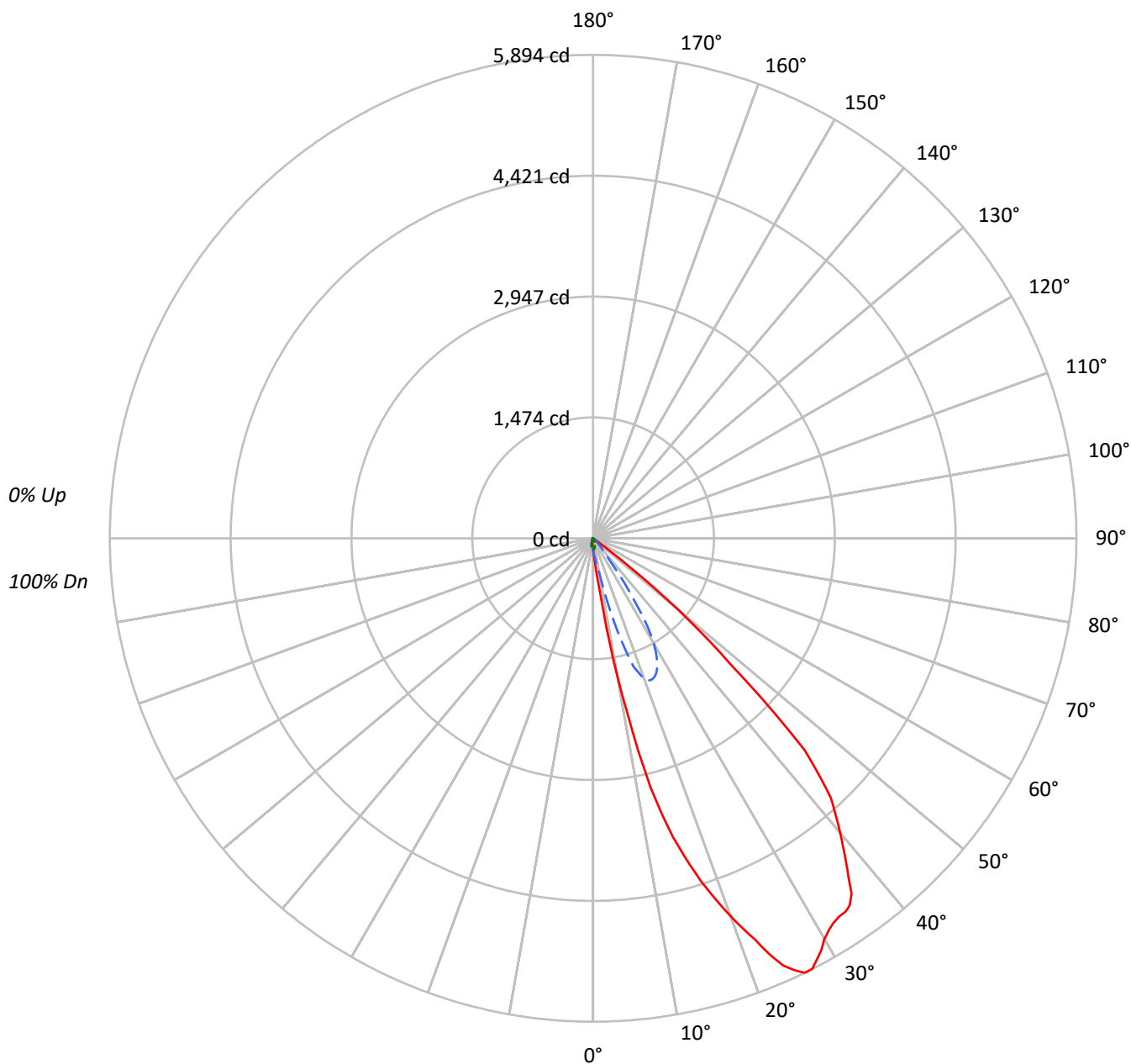
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	55	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°	6023	6023	6023
5°	14760	5744	3172
10°	74809	4765	2317
15°	168287	3611	1845
20°	224764	2538	1549
25°	276151	1772	1359
30°	280450	1218	1248
35°	286942	767	1104
40°	263495	461	1017
45°	221901	317	926
50°	90762	275	817
55°	4421	263	616
60°	250	250	405
65°	61	295	357
70°	76	365	365
75°	0	582	383
80°	0	868	422
85°	0	1729	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.2
10°-20°	232.9	13.2
20°-30°	536.3	30.4
30°-40°	589.8	33.5
40°-50°	345.9	19.6
50°-60°	28.2	1.6
60°-70°	2.9	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°	790.7	44.9
0°-40°	1380.5	78.4
0°-60°	1754.6	99.6
0°-90°	1761.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1761.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	342	236	133	82	73	72
15°	3775	1234	81	44	41	1066
25°	5813	1818	37	26	29	2605
35°	5459	654	15	16	21	3325
45°	3644	73	5	10	15	2524
55°	59	4	4	6	8	235
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°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	215.6	211.0	209.8	209.2	205.7	207.5	208.6	205.7	205.7	205.7	199.3
5°	341.5	328.7	327.0	324.0	315.3	315.3	316.5	308.9	306.0	295.5	286.2
7.5°	700.5	652.2	674.9	662.1	626.5	614.9	612.5	580.5	560.7	521.0	484.9
10°	1711.1	1602.7	1635.9	1601.0	1518.2	1465.8	1465.8	1376.0	1309.0	1191.3	1072.4
11°	2137.7	2070.1	2103.9	2063.1	1965.8	1901.1	1899.4	1793.9	1711.7	1566.6	1418.6
12°	2648.9	2545.1	2523.6	2533.5	2424.5	2350.5	2341.7	2225.7	2133.1	1965.2	1796.2
13°	3117.4	3047.5	2974.1	2978.7	2864.5	2788.7	2770.1	2648.3	2550.4	2368.5	2181.5
14°	3465.4	3426.3	3362.8	3355.8	3252.7	3176.3	3153.6	3029.4	2926.9	2743.9	2547.5
15°	3775.4	3738.7	3678.7	3663.0	3563.9	3486.4	3460.1	3330.7	3225.8	3053.3	2863.3
17.5°	4390.3	4366.4	4343.1	4280.1	4205.0	4091.9	4055.2	3904.8	3768.4	3612.8	3405.3
20°	4905.5	4873.4	4824.5	4773.2	4678.2	4555.8	4530.2	4348.9	4206.1	4051.1	3808.7
21°	5093.7	5062.3	5009.8	4951.0	4843.1	4713.8	4678.2	4487.0	4336.7	4175.8	3929.3
22°	5282.0	5252.3	5198.6	5124.1	5004.6	4859.5	4806.4	4604.8	4446.2	4269.1	4021.4
23°	5515.1	5445.2	5386.9	5295.4	5154.9	4990.6	4918.9	4701.5	4534.8	4350.1	4097.7
24°	5699.9	5628.8	5560.6	5449.3	5290.7	5108.3	5016.8	4785.4	4615.3	4415.4	4160.7
25°	5812.9	5776.2	5704.5	5578.1	5406.1	5206.8	5099.6	4854.2	4668.3	4470.1	4212.5
26°	5893.9	5855.5	5793.7	5661.4	5497.0	5294.2	5163.7	4911.9	4719.6	4505.7	4246.9
27°	5891.0	5867.7	5815.8	5699.3	5561.2	5354.8	5217.3	4950.4	4746.4	4523.8	4260.3
28°	5812.9	5812.9	5789.6	5695.2	5576.3	5381.7	5236.5	4957.4	4749.3	4519.7	4251.6
29°	5741.8	5723.8	5728.4	5654.4	5553.0	5363.0	5222.5	4937.0	4727.7	4493.5	4225.4
30°	5641.0	5635.8	5656.2	5596.7	5512.8	5323.4	5177.7	4894.4	4685.2	4450.3	4183.4
31°	5578.1	5564.1	5583.9	5534.3	5442.3	5248.2	5109.5	4833.2	4629.2	4395.0	4132.1
32°	5530.9	5513.9	5537.3	5473.2	5372.9	5181.2	5033.1	4766.2	4556.4	4333.8	4066.8
33°	5502.3	5497.0	5505.8	5419.0	5290.2	5090.2	4956.2	4694.5	4486.5	4265.0	3995.2
34°	5497.0	5486.0	5470.8	5346.1	5206.8	5004.0	4869.4	4614.7	4411.3	4184.0	3907.7
35°	5459.2	5434.7	5400.3	5245.3	5089.1	4895.0	4768.0	4522.6	4316.9	4087.2	3799.3
36°	5361.3	5319.9	5282.6	5121.1	4959.1	4777.9	4658.4	4418.3	4213.1	3975.9	3675.2
37°	5173.0	5159.0	5113.6	4976.0	4828.0	4653.7	4538.3	4309.3	4097.1	3848.3	3536.5
38°	5009.8	4994.7	4952.7	4828.6	4693.9	4526.7	4411.9	4168.8	3966.6	3704.9	3385.0
39°	4844.3	4830.9	4798.8	4663.6	4546.5	4389.1	4274.3	4031.3	3824.4	3545.8	3217.7
40°	4688.1	4674.7	4645.6	4511.5	4395.5	4245.8	4129.2	3881.5	3686.8	3372.7	3025.9
42.5°	4290.1	4244.6	4207.3	4078.5	3974.8	3819.1	3693.3	3438.6	3165.8	2833.0	2485.1
45°	3644.3	3587.8	3543.5	3460.7	3347.7	3227.6	3057.4	2782.3	2500.2	2178.5	1704.7
47.5°	2275.3	2196.0	2145.3	2050.9	1923.9	1841.7	1796.8	1651.7	1459.4	1317.1	957.0
50°	1355.0	1296.7	1254.2	1117.2	1020.5	900.4	786.2	575.2	461.6	349.1	289.1
51°	974.5	926.7	901.6	788.5	715.1	629.4	549.0	400.4	322.3	243.6	201.1
52°	564.2	527.4	526.3	453.4	424.9	389.9	333.4	264.0	225.5	176.6	150.9
53°	262.3	240.7	244.8	211.0	199.9	195.2	193.5	153.9	150.4	131.7	111.3
54°	117.7	107.8	100.8	97.3	94.4	95.6	97.9	88.6	85.1	82.8	75.8
55°	58.9	53.6	50.7	53.6	47.8	48.4	50.1	46.6	45.5	45.5	44.3
57.5°	12.8	12.2	12.2	12.8	12.2	12.2	12.8	12.8	12.8	12.2	12.2
60°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1	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°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	198.7	194.1	194.7	191.2	188.8	187.1	188.8	183.6	182.4	177.2	174.3
5°	283.8	272.8	269.3	261.1	251.8	247.1	245.4	235.5	230.2	220.3	214.5
7.5°	469.2	434.2	413.8	389.9	360.8	346.2	327.5	309.5	289.7	271.0	258.2
10°	1020.5	909.2	825.8	740.2	624.2	565.9	491.3	436.5	381.7	338.6	311.8
11°	1352.1	1210.5	1098.0	979.1	825.3	741.9	632.9	543.2	448.2	382.3	339.2
12°	1711.1	1541.5	1402.8	1247.8	1059.5	947.6	811.3	692.4	560.1	458.7	384.7
13°	2073.0	1878.4	1718.1	1530.5	1316.6	1172.6	1011.8	864.9	699.4	570.0	462.7
14°	2423.3	2209.4	2031.7	1813.7	1581.7	1408.1	1225.1	1049.1	853.8	696.5	561.8
15°	2736.3	2510.2	2324.2	2088.8	1845.2	1644.1	1439.0	1234.4	1031.0	830.5	670.2
17.5°	3274.8	3037.0	2854.0	2606.3	2365.6	2136.6	1901.7	1635.9	1384.8	1135.9	946.5
20°	3682.2	3395.4	3176.3	2883.2	2608.6	2350.5	2102.2	1831.2	1582.9	1314.2	1098.6
21°	3785.9	3488.7	3264.9	2971.2	2675.1	2402.3	2141.2	1856.8	1599.2	1328.2	1113.7
22°	3873.9	3575.5	3336.0	3027.7	2725.2	2436.7	2165.1	1866.2	1598.1	1318.3	1102.7
23°	3940.9	3637.3	3393.7	3077.2	2764.3	2461.8	2176.2	1862.1	1584.1	1297.9	1077.0
24°	4004.5	3693.8	3439.7	3108.1	2787.0	2465.9	2170.4	1845.8	1560.8	1267.0	1042.6
25°	4045.3	3731.7	3464.8	3123.3	2788.2	2454.8	2151.1	1818.4	1525.2	1225.1	997.8
26°	4074.4	3749.8	3473.5	3118.0	2778.8	2432.6	2120.8	1777.6	1476.3	1173.2	945.9
27°	4079.1	3748.6	3462.5	3100.0	2747.9	2390.7	2071.9	1720.5	1413.3	1113.2	889.4
28°	4061.6	3727.1	3434.5	3065.0	2704.8	2334.7	2008.4	1651.7	1343.4	1046.7	827.0
29°	4030.7	3690.9	3386.7	3007.9	2637.2	2259.5	1932.0	1571.8	1264.7	971.5	758.2
30°	3981.7	3638.5	3325.5	2940.9	2559.7	2174.5	1843.4	1478.6	1168.5	879.5	668.5
31°	3922.9	3570.9	3242.7	2848.8	2462.4	2074.2	1740.8	1354.4	1045.0	763.5	561.2
32°	3846.5	3485.2	3147.7	2746.8	2353.4	1959.4	1600.4	1195.9	898.1	628.9	445.3
33°	3762.0	3390.2	3034.7	2615.1	2232.2	1805.5	1416.2	1016.4	734.3	486.6	327.5
34°	3657.7	3276.5	2914.6	2481.0	2076.5	1605.6	1179.6	822.9	565.3	347.9	222.6
35°	3537.1	3145.4	2768.9	2323.1	1867.3	1375.4	959.3	654.5	404.5	232.0	162.0
36°	3396.6	3003.2	2614.5	2118.5	1628.9	1134.7	746.6	479.7	276.8	176.6	139.3
37°	3245.1	2844.1	2407.6	1905.2	1373.1	897.5	555.4	337.4	209.2	156.8	120.6
38°	3074.9	2674.5	2173.3	1640.6	1116.1	678.4	396.9	251.8	180.1	136.4	103.2
39°	2886.6	2465.3	1905.2	1362.0	868.4	489.0	302.5	206.9	155.6	117.7	89.2
40°	2678.0	2170.4	1613.2	1086.9	645.8	352.6	246.5	178.9	135.8	100.8	75.8
42.5°	1983.3	1439.5	887.6	512.9	304.8	219.7	163.8	125.9	89.2	60.6	39.0
45°	1191.8	734.9	389.3	266.3	192.9	147.5	105.5	72.9	42.5	26.2	18.1
47.5°	532.7	307.1	218.0	171.9	124.7	88.0	51.3	30.9	19.2	13.4	9.9
50°	207.5	168.4	130.0	99.1	60.0	35.0	22.1	14.6	9.9	7.0	4.7
51°	160.3	130.5	101.4	72.9	40.2	24.5	16.3	11.1	7.6	5.2	3.5
52°	123.0	100.2	76.3	49.0	27.4	18.6	12.8	8.2	5.8	3.5	2.9
53°	90.3	76.9	53.0	34.4	19.8	14.0	9.9	6.4	4.1	2.9	2.3
54°	62.4	53.0	33.8	21.6	14.6	10.5	7.0	4.7	2.9	2.3	2.3
55°	37.9	33.2	22.1	15.7	10.5	7.6	5.2	3.5	2.3	1.7	1.7
57.5°	11.7	10.5	8.7	7.0	4.7	3.5	2.3	1.7	1.7	1.7	1.7
60°	4.1	4.1	3.5	2.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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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	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
64°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
65°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
66°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
67.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	2.3
70°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3
72.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3
75°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	2.3	2.3	2.3
87.5°	1.2	1.2	1.2	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: P208885

CATALOG NUMBER: LDSQA6A15830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	171.9	169.0	166.7	164.4	161.4	159.7	157.9	154.4	152.7	148.6	145.7
5°	208.1	201.7	195.2	188.8	183.0	178.3	173.7	167.3	162.6	155.6	149.8
7.5°	244.2	231.4	219.7	209.8	199.3	191.7	183.0	173.7	165.5	156.2	147.5
10°	285.0	261.1	241.3	223.8	208.6	196.4	184.8	171.9	162.0	149.8	139.9
11°	302.5	273.9	249.4	228.5	211.0	197.0	183.6	169.6	158.5	146.3	135.2
12°	328.1	286.2	257.6	233.1	212.1	196.4	181.8	166.7	155.0	142.2	131.1
13°	371.2	308.3	265.8	236.0	213.9	195.2	178.9	162.6	150.4	137.0	125.3
14°	442.9	347.4	282.7	241.3	213.9	194.1	175.4	157.9	144.5	131.1	119.5
15°	530.4	410.9	315.3	252.4	213.3	191.7	171.9	153.3	138.7	124.7	111.9
17.5°	754.2	594.5	455.2	334.5	244.8	187.7	159.1	137.5	121.8	106.1	94.4
20°	888.2	706.4	550.2	410.9	295.5	205.7	148.0	120.1	103.2	89.2	78.1
21°	904.5	720.9	560.7	420.2	301.3	208.1	144.5	112.5	95.6	81.6	71.7
22°	899.3	716.9	556.0	415.0	295.5	202.8	138.1	105.5	88.6	75.2	65.3
23°	873.6	694.1	533.9	394.0	279.7	190.6	128.8	97.9	81.6	68.8	59.4
24°	836.3	656.2	500.0	363.1	251.8	169.0	115.4	89.8	74.6	62.9	55.4
25°	792.0	613.1	457.5	328.1	218.6	145.1	101.4	81.6	67.6	57.1	50.7
26°	742.5	566.5	413.2	288.5	183.6	121.8	89.8	74.0	60.6	51.3	46.0
27°	689.5	515.8	366.6	245.4	152.7	103.7	81.0	65.9	54.8	47.2	42.0
28°	632.9	465.1	315.9	204.6	126.5	90.9	72.9	58.9	49.0	42.5	38.5
29°	569.4	405.6	266.9	167.3	104.3	80.4	64.7	52.5	44.3	39.0	35.6
30°	489.6	338.6	213.9	134.6	89.8	71.7	57.7	47.2	40.2	36.1	32.6
31°	398.6	263.4	162.6	106.7	78.1	63.5	51.3	42.5	36.7	33.2	29.7
32°	301.3	191.7	121.2	88.6	68.8	55.9	45.5	38.5	33.8	29.7	27.4
33°	212.1	137.0	97.9	76.9	60.0	49.0	40.8	35.0	30.9	26.8	24.5
34°	145.7	110.2	85.1	66.4	52.5	43.7	36.7	31.5	27.4	23.9	21.6
35°	123.0	96.2	73.4	57.1	45.5	38.5	32.6	28.0	23.9	21.0	18.6
36°	106.1	83.3	62.9	50.1	39.6	33.2	28.6	23.9	20.4	17.5	16.3
37°	91.5	71.7	54.2	43.1	33.8	28.0	23.3	19.8	17.5	15.2	14.0
38°	79.3	60.6	46.0	36.7	28.0	22.7	19.2	16.3	14.6	12.8	11.7
39°	67.6	50.7	37.3	29.1	22.1	18.6	15.7	14.0	12.2	11.1	9.9
40°	55.9	40.2	28.6	22.7	17.5	15.2	12.8	11.7	9.9	9.3	8.7
42.5°	26.2	19.2	15.2	12.8	10.5	9.3	8.2	7.0	6.4	5.8	5.8
45°	13.4	11.1	8.2	7.0	5.8	5.2	4.7	4.1	4.1	4.1	4.1
47.5°	7.0	5.2	4.1	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
50°	3.5	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: P208885

CATALOG NUMBER: LDSQA6A15830D010TE 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: P208885

CATALOG NUMBER: LDSQA6A15830D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9
2.5°	145.7	140.5	141.0	138.1	115.4	103.2	96.7	92.1
5°	146.9	139.3	137.5	132.9	96.2	82.2	76.3	73.4
7.5°	142.8	132.9	129.4	123.0	81.6	68.8	64.1	61.8
10°	133.5	122.4	116.6	109.0	69.9	59.4	54.8	53.0
11°	128.8	117.1	111.3	103.7	65.9	55.9	51.9	50.1
12°	123.6	111.3	106.1	97.9	61.8	52.5	49.0	47.2
13°	117.7	105.5	100.2	92.7	57.7	49.5	46.6	44.9
14°	110.7	99.7	94.4	87.4	54.2	46.6	44.3	43.1
15°	104.3	93.8	88.0	81.0	51.3	44.3	42.5	41.4
17.5°	87.4	78.1	73.4	67.6	43.1	37.9	37.9	37.3
20°	71.7	63.5	60.0	55.4	36.1	33.2	33.8	33.8
21°	65.9	58.9	55.4	51.3	34.4	31.5	32.6	32.6
22°	60.0	53.6	51.3	47.2	32.1	29.7	31.5	31.5
23°	55.4	49.0	47.2	43.7	29.7	28.6	30.3	30.3
24°	50.7	45.5	43.1	40.2	28.0	26.8	29.1	29.7
25°	46.6	41.4	39.6	37.3	26.2	25.6	28.0	28.6
26°	42.5	37.9	36.7	34.4	24.5	24.5	26.8	28.0
27°	39.0	35.6	33.8	31.5	22.7	23.3	26.2	26.8
28°	36.1	32.6	30.9	29.1	21.0	22.1	25.1	26.2
29°	33.2	29.7	28.6	26.8	19.8	21.0	23.9	25.6
30°	30.3	27.4	26.2	24.5	18.6	19.8	23.3	25.1
31°	28.0	25.1	23.9	22.1	17.5	19.2	22.1	23.9
32°	25.1	22.7	21.6	20.4	16.3	18.1	21.6	23.3
33°	22.7	19.8	19.2	18.1	15.7	17.5	21.0	22.1
34°	19.8	17.5	16.9	16.3	14.6	16.3	19.8	21.6
35°	16.9	15.7	15.2	14.6	13.4	15.7	19.2	21.0
36°	15.2	13.4	13.4	12.8	12.8	15.2	18.6	20.4
37°	12.8	12.2	11.7	11.7	11.7	14.0	17.5	19.8
38°	11.1	10.5	10.5	10.5	11.1	13.4	16.9	19.2
39°	9.3	9.3	9.3	9.3	10.5	12.8	16.3	18.6
40°	8.2	8.2	8.2	8.2	9.9	12.2	15.7	18.1
42.5°	5.8	5.8	5.8	6.4	8.2	11.1	14.0	16.9
45°	4.7	4.7	4.7	5.2	7.6	9.9	12.8	15.2
47.5°	3.5	3.5	4.1	4.7	6.4	8.7	11.7	14.0
50°	2.9	3.5	3.5	4.1	5.8	8.2	9.9	12.2
51°	2.9	2.9	3.5	3.5	5.2	7.6	9.3	11.7
52°	2.9	2.9	3.5	3.5	5.2	7.0	9.3	10.5
53°	2.9	2.9	3.5	3.5	5.2	7.0	8.7	9.9
54°	2.9	2.9	3.5	3.5	4.7	6.4	8.2	9.3
55°	2.9	2.9	3.5	3.5	4.7	6.4	8.2	8.2
57.5°	2.9	2.9	2.9	3.5	4.1	5.8	7.0	7.0
60°	2.9	2.9	2.9	2.9	4.1	5.2	6.4	4.7



TEST NUMBER: P208885

CATALOG NUMBER: LDSQA6A15830D010TE 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	3.5	4.7	5.2	3.5
64°	2.9	2.9	2.9	3.5	3.5	4.7	4.7	3.5
65°	2.9	2.9	2.9	2.9	3.5	4.1	4.7	3.5
66°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	3.5
67.5°	2.9	2.9	2.9	2.9	3.5	4.1	4.1	2.9
70°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	3.5	2.9	2.3
75°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	2.3
77.5°	2.9	2.9	3.5	3.5	2.9	2.9	2.3	1.7
80°	2.9	2.9	3.5	3.5	2.9	2.3	1.7	1.7
82.5°	2.9	2.9	3.5	3.5	2.9	2.3	1.7	1.2
85°	2.9	2.9	3.5	3.5	2.9	2.3	1.2	1.2
87.5°	2.9	2.9	3.5	3.5	2.9	1.7	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°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.9	2.9
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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	4.1	5.2	5.8	4.1
62°	2.9	2.9	2.9	2.9	4.1	5.2	5.2	4.1



(END OF REPORT)