

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: P208890

Luminaire Tested: **LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208890
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: LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.6 lumens
Efficiency: N/A
Efficacy: 67.2 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

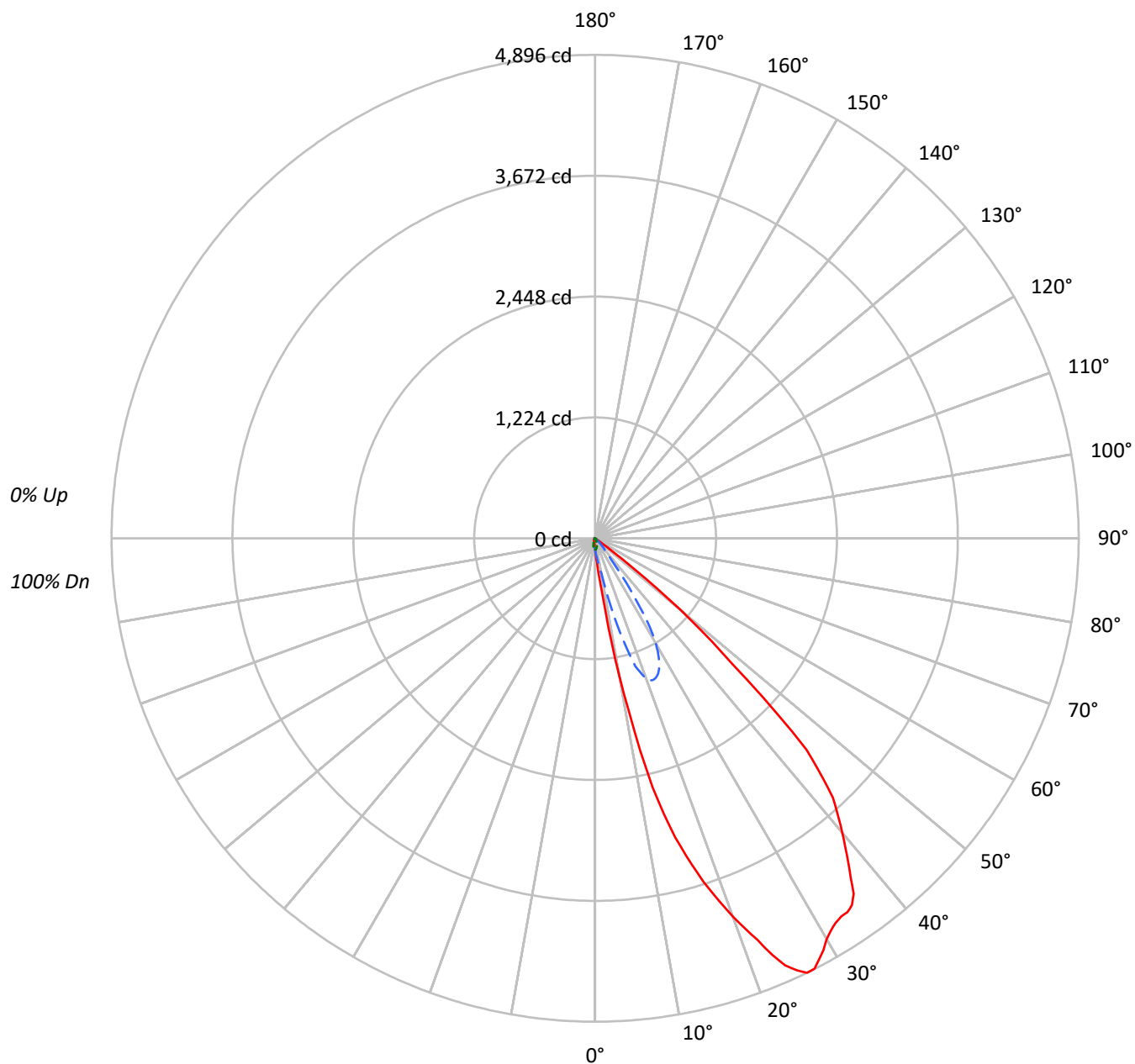
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	91	85	80		96	89	84	80		87	82	78		84	80	77		82	79	76
4	92	83	76	71		90	82	76	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		69	65	61
6	80	69	62	57		78	68	62	57		67	61	56		65	60	56		64	59	55
7	75	64	56	51		73	63	56	51		61	55	51		60	54	50		59	54	50
8	70	58	51	46		68	58	51	46		56	50	46		55	50	46		54	49	45
9	65	54	47	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	61	49	42	38		60	49	42	38		48	42	38		47	42	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5003	5003	5003
5°	12262	4772	2636
10°	62143	3957	1928
15°	139799	3000	1533
20°	186712	2108	1288
25°	229400	1473	1126
30°	232971	1009	1034
35°	238360	636	915
40°	218885	382	843
45°	184332	268	767
50°	75396	228	683
55°	3671	218	510
60°	207	207	336
65°	51	245	295
70°	63	302	302
75°	0	482	316
80°	0	719	372
85°	0	1433	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	1.2
10°-20°	193.4	13.2
20°-30°	445.5	30.4
30°-40°	489.9	33.5
40°-50°	287.4	19.6
50°-60°	23.4	1.6
60°-70°	2.4	0.2
70°-80°	2.0	0.1
80°-90°	1.6	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°	656.8	44.9
0°-40°	1146.8	78.4
0°-60°	1457.6	99.6
0°-90°	1463.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	284	196	110	68	61	60
15°	3136	1025	67	37	34	885
25°	4829	1510	31	21	24	2164
35°	4535	544	12	13	17	2762
45°	3027	60	4	8	13	2096
55°	49	3	3	5	7	195
65°	0	2	2	3	3	1
75°	0	2	3	2	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°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	179.1	175.3	174.3	173.8	170.9	172.4	173.3	170.9	170.9	170.9	165.6
5°	283.7	273.1	271.6	269.2	261.9	261.9	262.9	256.6	254.2	245.5	237.7
7.5°	581.9	541.8	560.6	550.0	520.5	510.8	508.8	482.2	465.7	432.8	402.8
10°	1421.4	1331.4	1359.0	1329.9	1261.2	1217.6	1217.6	1143.1	1087.4	989.6	890.8
11°	1775.8	1719.7	1747.7	1713.9	1633.0	1579.3	1577.8	1490.2	1421.9	1301.4	1178.4
12°	2200.4	2114.2	2096.3	2104.6	2014.0	1952.5	1945.3	1848.9	1772.0	1632.5	1492.1
13°	2589.7	2531.6	2470.6	2474.4	2379.5	2316.6	2301.1	2199.9	2118.6	1967.5	1812.1
14°	2878.7	2846.3	2793.5	2787.7	2702.0	2638.6	2619.7	2516.6	2431.4	2279.3	2116.2
15°	3136.3	3105.8	3055.9	3042.8	2960.5	2896.1	2874.3	2766.9	2679.7	2536.4	2378.6
17.5°	3647.0	3627.2	3607.8	3555.5	3493.1	3399.1	3368.6	3243.7	3130.5	3001.2	2828.8
20°	4075.0	4048.4	4007.7	3965.1	3886.2	3784.5	3763.2	3612.7	3494.0	3365.3	3163.9
21°	4231.4	4205.2	4161.7	4112.8	4023.2	3915.7	3886.2	3727.4	3602.5	3468.9	3264.1
22°	4387.8	4363.1	4318.5	4256.6	4157.3	4036.8	3992.7	3825.2	3693.5	3546.3	3340.6
23°	4581.4	4523.3	4474.9	4398.9	4282.2	4145.7	4086.1	3905.6	3767.1	3613.6	3404.0
24°	4734.9	4675.8	4619.2	4526.7	4395.0	4243.5	4167.5	3975.3	3833.9	3667.8	3456.3
25°	4828.8	4798.3	4738.8	4633.7	4490.9	4325.3	4236.2	4032.4	3878.0	3713.4	3499.4
26°	4896.1	4864.2	4812.8	4702.9	4566.4	4397.9	4289.5	4080.3	3920.6	3742.9	3527.9
27°	4893.7	4874.3	4831.2	4734.4	4619.7	4448.3	4334.0	4112.3	3942.8	3757.9	3539.1
28°	4828.8	4828.8	4809.4	4731.0	4632.3	4470.6	4350.0	4118.1	3945.3	3754.5	3531.8
29°	4769.7	4754.7	4758.6	4697.1	4612.9	4455.1	4338.4	4101.2	3927.3	3732.7	3510.0
30°	4686.0	4681.6	4698.6	4649.2	4579.5	4422.1	4301.1	4065.8	3892.0	3696.9	3475.2
31°	4633.7	4622.1	4638.5	4597.4	4520.9	4359.7	4244.5	4015.0	3845.5	3650.9	3432.6
32°	4594.5	4580.5	4599.8	4546.6	4463.3	4304.0	4181.0	3959.3	3785.0	3600.1	3378.3
33°	4570.8	4566.4	4573.7	4501.5	4394.5	4228.5	4117.1	3899.7	3726.9	3542.9	3318.8
34°	4566.4	4557.2	4544.6	4441.0	4325.3	4156.8	4045.0	3833.4	3664.5	3475.6	3246.2
35°	4534.9	4514.6	4486.0	4357.3	4227.5	4066.3	3960.8	3756.9	3586.0	3395.3	3156.1
36°	4453.6	4419.2	4388.2	4254.1	4119.5	3969.0	3869.7	3670.3	3499.8	3302.8	3053.0
37°	4297.2	4285.6	4247.8	4133.6	4010.6	3865.9	3770.0	3579.7	3403.5	3196.8	2937.8
38°	4161.7	4149.1	4114.2	4011.1	3899.3	3760.3	3664.9	3463.1	3295.1	3077.7	2811.9
39°	4024.2	4013.0	3986.4	3874.1	3776.8	3646.1	3550.7	3348.8	3176.9	2945.5	2672.9
40°	3894.4	3883.3	3859.1	3747.7	3651.4	3527.0	3430.1	3224.4	3062.7	2801.7	2513.7
42.5°	3563.8	3526.0	3495.0	3388.0	3301.8	3172.6	3068.0	2856.4	2629.8	2353.4	2064.4
45°	3027.3	2980.4	2943.6	2874.8	2780.9	2681.2	2539.8	2311.3	2077.0	1809.7	1416.1
47.5°	1890.1	1824.2	1782.1	1703.7	1598.1	1529.9	1492.6	1372.1	1212.3	1094.2	795.0
50°	1125.6	1077.2	1041.9	928.1	847.7	748.0	653.1	477.8	383.4	290.0	240.1
51°	809.5	769.8	749.0	655.0	594.0	522.9	456.1	332.6	267.7	202.4	167.0
52°	468.6	438.1	437.2	376.7	352.9	323.9	276.9	219.3	187.4	146.7	125.4
53°	217.9	199.9	203.3	175.3	166.1	162.2	160.7	127.8	124.9	109.4	92.5
54°	97.8	89.6	83.8	80.9	78.4	79.4	81.3	73.6	70.7	68.7	62.9
55°	48.9	44.5	42.1	44.5	39.7	40.2	41.6	38.7	37.8	37.8	36.8
57.5°	10.7	10.2	10.2	10.7	10.2	10.2	10.7	10.7	10.7	10.2	10.2
60°	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9	3.4	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
64°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
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°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	165.1	161.2	161.7	158.8	156.9	155.4	156.9	152.5	151.5	147.2	144.8
5°	235.8	226.6	223.7	216.9	209.1	205.3	203.8	195.6	191.2	183.0	178.2
7.5°	389.7	360.7	343.7	323.9	299.7	287.6	272.1	257.1	240.6	225.1	214.5
10°	847.7	755.3	686.0	614.9	518.5	470.1	408.1	362.6	317.1	281.3	259.0
11°	1123.2	1005.6	912.1	813.4	685.5	616.3	525.8	451.2	372.3	317.6	281.8
12°	1421.4	1280.6	1165.3	1036.5	880.2	787.2	673.9	575.2	465.3	381.0	319.5
13°	1722.1	1560.4	1427.2	1271.4	1093.7	974.1	840.5	718.5	581.0	473.5	384.4
14°	2013.1	1835.4	1687.7	1506.6	1314.0	1169.7	1017.7	871.5	709.3	578.5	466.7
15°	2273.0	2085.2	1930.8	1735.2	1532.8	1365.8	1195.3	1025.4	856.4	689.9	556.8
17.5°	2720.4	2522.9	2370.8	2165.1	1965.1	1774.9	1579.7	1359.0	1150.3	943.6	786.2
20°	3058.8	2820.6	2638.6	2395.0	2167.0	1952.5	1746.3	1521.2	1314.9	1091.7	912.6
21°	3145.0	2898.1	2712.2	2468.1	2222.2	1995.6	1778.7	1542.5	1328.5	1103.4	925.2
22°	3218.1	2970.2	2771.2	2515.1	2263.8	2024.2	1798.6	1550.2	1327.5	1095.1	916.0
23°	3273.8	3021.5	2819.1	2556.3	2296.3	2045.0	1807.8	1546.8	1315.9	1078.2	894.7
24°	3326.5	3068.5	2857.4	2581.9	2315.2	2048.4	1802.9	1533.3	1296.5	1052.5	866.1
25°	3360.4	3099.9	2878.2	2594.5	2316.1	2039.2	1787.0	1510.5	1267.0	1017.7	828.8
26°	3384.6	3115.0	2885.5	2590.2	2308.4	2020.8	1761.8	1476.6	1226.3	974.6	785.8
27°	3388.5	3114.0	2876.3	2575.1	2282.7	1985.9	1721.1	1429.2	1174.0	924.7	738.8
28°	3374.0	3096.1	2853.0	2546.1	2246.9	1939.5	1668.3	1372.1	1115.9	869.5	687.0
29°	3348.3	3066.1	2813.3	2498.6	2190.7	1877.0	1604.9	1305.7	1050.6	807.1	629.9
30°	3307.6	3022.5	2762.5	2443.0	2126.3	1806.3	1531.3	1228.3	970.7	730.6	555.3
31°	3258.7	2966.3	2693.8	2366.5	2045.5	1723.1	1446.1	1125.1	868.1	634.2	466.2
32°	3195.3	2895.2	2614.8	2281.8	1955.0	1627.7	1329.4	993.5	746.1	522.4	369.9
33°	3125.1	2816.2	2520.9	2172.3	1854.3	1499.9	1176.5	844.3	610.0	404.3	272.1
34°	3038.5	2721.8	2421.2	2061.0	1725.0	1333.8	979.9	683.6	469.6	289.0	184.9
35°	2938.2	2612.9	2300.2	1929.8	1551.2	1142.6	796.9	543.7	336.0	192.7	134.6
36°	2821.6	2494.8	2171.9	1759.8	1353.2	942.6	620.2	398.4	230.0	146.7	115.7
37°	2695.7	2362.6	2000.0	1582.7	1140.6	745.6	461.4	280.3	173.8	130.2	100.2
38°	2554.3	2221.7	1805.4	1362.9	927.1	563.5	329.7	209.1	149.6	113.3	85.7
39°	2397.9	2047.9	1582.7	1131.4	721.4	406.2	251.3	171.9	129.3	97.8	74.1
40°	2224.6	1802.9	1340.1	902.9	536.4	292.9	204.8	148.6	112.8	83.8	62.9
42.5°	1647.5	1195.8	737.3	426.0	253.2	182.5	136.0	104.6	74.1	50.4	32.4
45°	990.1	610.5	323.4	221.3	160.3	122.5	87.6	60.5	35.3	21.8	15.0
47.5°	442.5	255.1	181.1	142.8	103.6	73.1	42.6	25.7	16.0	11.1	8.2
50°	172.4	139.9	108.0	82.3	49.9	29.0	18.4	12.1	8.2	5.8	3.9
51°	133.1	108.4	84.2	60.5	33.4	20.3	13.6	9.2	6.3	4.4	2.9
52°	102.2	83.3	63.4	40.7	22.8	15.5	10.7	6.8	4.8	2.9	2.4
53°	75.0	63.9	44.1	28.6	16.5	11.6	8.2	5.3	3.4	2.4	1.9
54°	51.8	44.1	28.1	17.9	12.1	8.7	5.8	3.9	2.4	1.9	1.9
55°	31.5	27.6	18.4	13.1	8.7	6.3	4.4	2.9	1.9	1.5	1.5
57.5°	9.7	8.7	7.3	5.8	3.9	2.9	1.9	1.5	1.5	1.5	1.5
60°	3.4	3.4	2.9	2.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
64°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.9
65°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.9
66°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.9
67.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.9
70°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.9	1.9
72.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.9	1.9
75°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9
77.5°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9
80°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.9	1.9	1.9
87.5°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9
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: P208890

CATALOG NUMBER: LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	142.8	140.4	138.5	136.5	134.1	132.7	131.2	128.3	126.8	123.5	121.0
5°	172.8	167.5	162.2	156.9	152.0	148.1	144.3	138.9	135.1	129.3	124.4
7.5°	202.9	192.2	182.5	174.3	165.6	159.3	152.0	144.3	137.5	129.7	122.5
10°	236.7	216.9	200.4	185.9	173.3	163.2	153.5	142.8	134.6	124.4	116.2
11°	251.3	227.5	207.2	189.8	175.3	163.6	152.5	140.9	131.7	121.5	112.3
12°	272.6	237.7	214.0	193.7	176.2	163.2	151.1	138.5	128.8	118.1	108.9
13°	308.4	256.1	220.8	196.1	177.7	162.2	148.6	135.1	124.9	113.8	104.1
14°	367.9	288.5	234.8	200.4	177.7	161.2	145.7	131.2	120.1	108.9	99.2
15°	440.6	341.3	261.9	209.6	177.2	159.3	142.8	127.3	115.2	103.6	93.0
17.5°	626.5	493.8	378.1	277.9	203.3	155.9	132.2	114.3	101.2	88.1	78.4
20°	737.8	586.8	457.0	341.3	245.5	170.9	123.0	99.7	85.7	74.1	64.9
21°	751.4	598.9	465.7	349.1	250.3	172.8	120.1	93.4	79.4	67.8	59.5
22°	747.0	595.5	461.9	344.7	245.5	168.5	114.7	87.6	73.6	62.5	54.2
23°	725.7	576.6	443.5	327.3	232.4	158.3	107.0	81.3	67.8	57.1	49.4
24°	694.7	545.1	415.4	301.6	209.1	140.4	95.9	74.6	62.0	52.3	46.0
25°	657.9	509.3	380.1	272.6	181.6	120.6	84.2	67.8	56.2	47.4	42.1
26°	616.8	470.6	343.3	239.6	152.5	101.2	74.6	61.5	50.4	42.6	38.2
27°	572.7	428.5	304.5	203.8	126.8	86.2	67.3	54.7	45.5	39.2	34.9
28°	525.8	386.3	262.4	169.9	105.1	75.5	60.5	48.9	40.7	35.3	32.0
29°	473.0	337.0	221.7	138.9	86.7	66.8	53.7	43.6	36.8	32.4	29.5
30°	406.7	281.3	177.7	111.8	74.6	59.5	47.9	39.2	33.4	30.0	27.1
31°	331.2	218.8	135.1	88.6	64.9	52.8	42.6	35.3	30.5	27.6	24.7
32°	250.3	159.3	100.7	73.6	57.1	46.5	37.8	32.0	28.1	24.7	22.8
33°	176.2	113.8	81.3	63.9	49.9	40.7	33.9	29.0	25.7	22.3	20.3
34°	121.0	91.5	70.7	55.2	43.6	36.3	30.5	26.1	22.8	19.8	17.9
35°	102.2	79.9	61.0	47.4	37.8	32.0	27.1	23.2	19.8	17.4	15.5
36°	88.1	69.2	52.3	41.6	32.9	27.6	23.7	19.8	16.9	14.5	13.6
37°	76.0	59.5	45.0	35.8	28.1	23.2	19.4	16.5	14.5	12.6	11.6
38°	65.8	50.4	38.2	30.5	23.2	18.9	16.0	13.6	12.1	10.7	9.7
39°	56.2	42.1	31.0	24.2	18.4	15.5	13.1	11.6	10.2	9.2	8.2
40°	46.5	33.4	23.7	18.9	14.5	12.6	10.7	9.7	8.2	7.7	7.3
42.5°	21.8	16.0	12.6	10.7	8.7	7.7	6.8	5.8	5.3	4.8	4.8
45°	11.1	9.2	6.8	5.8	4.8	4.4	3.9	3.4	3.4	3.4	3.4
47.5°	5.8	4.4	3.4	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4
50°	2.9	1.9	1.9	1.9	1.5	1.9	1.9	1.9	1.9	2.4	2.4
51°	1.9	1.9	1.5	1.5	1.5	1.9	1.9	1.9	1.9	2.4	2.4
52°	1.9	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	2.4	2.4
53°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	2.4	2.4
54°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	2.4	2.4
55°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	2.4
57.5°	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	2.4
60°	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	2.4



TEST NUMBER: P208890

CATALOG NUMBER: LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
64°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
66°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4
70°	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4
75°	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	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: P208890

CATALOG NUMBER: LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	121.0	116.7	117.2	114.7	95.9	85.7	80.4	76.5
5°	122.0	115.7	114.3	110.4	79.9	68.3	63.4	61.0
7.5°	118.6	110.4	107.5	102.2	67.8	57.1	53.3	51.3
10°	110.9	101.7	96.8	90.5	58.1	49.4	45.5	44.1
11°	107.0	97.3	92.5	86.2	54.7	46.5	43.1	41.6
12°	102.6	92.5	88.1	81.3	51.3	43.6	40.7	39.2
13°	97.8	87.6	83.3	77.0	47.9	41.2	38.7	37.3
14°	92.0	82.8	78.4	72.6	45.0	38.7	36.8	35.8
15°	86.7	77.9	73.1	67.3	42.6	36.8	35.3	34.4
17.5°	72.6	64.9	61.0	56.2	35.8	31.5	31.5	31.0
20°	59.5	52.8	49.9	46.0	30.0	27.6	28.1	28.1
21°	54.7	48.9	46.0	42.6	28.6	26.1	27.1	27.1
22°	49.9	44.5	42.6	39.2	26.6	24.7	26.1	26.1
23°	46.0	40.7	39.2	36.3	24.7	23.7	25.2	25.2
24°	42.1	37.8	35.8	33.4	23.2	22.3	24.2	24.7
25°	38.7	34.4	32.9	31.0	21.8	21.3	23.2	23.7
26°	35.3	31.5	30.5	28.6	20.3	20.3	22.3	23.2
27°	32.4	29.5	28.1	26.1	18.9	19.4	21.8	22.3
28°	30.0	27.1	25.7	24.2	17.4	18.4	20.8	21.8
29°	27.6	24.7	23.7	22.3	16.5	17.4	19.8	21.3
30°	25.2	22.8	21.8	20.3	15.5	16.5	19.4	20.8
31°	23.2	20.8	19.8	18.4	14.5	16.0	18.4	19.8
32°	20.8	18.9	17.9	16.9	13.6	15.0	17.9	19.4
33°	18.9	16.5	16.0	15.0	13.1	14.5	17.4	18.4
34°	16.5	14.5	14.0	13.6	12.1	13.6	16.5	17.9
35°	14.0	13.1	12.6	12.1	11.1	13.1	16.0	17.4
36°	12.6	11.1	11.1	10.7	10.7	12.6	15.5	16.9
37°	10.7	10.2	9.7	9.7	9.7	11.6	14.5	16.5
38°	9.2	8.7	8.7	8.7	9.2	11.1	14.0	16.0
39°	7.7	7.7	7.7	7.7	8.7	10.7	13.6	15.5
40°	6.8	6.8	6.8	6.8	8.2	10.2	13.1	15.0
42.5°	4.8	4.8	4.8	5.3	6.8	9.2	11.6	14.0
45°	3.9	3.9	3.9	4.4	6.3	8.2	10.7	12.6
47.5°	2.9	2.9	3.4	3.9	5.3	7.3	9.7	11.6
50°	2.4	2.9	2.9	3.4	4.8	6.8	8.2	10.2
51°	2.4	2.4	2.9	2.9	4.4	6.3	7.7	9.7
52°	2.4	2.4	2.9	2.9	4.4	5.8	7.7	8.7
53°	2.4	2.4	2.9	2.9	4.4	5.8	7.3	8.2
54°	2.4	2.4	2.9	2.9	3.9	5.3	6.8	7.7
55°	2.4	2.4	2.9	2.9	3.9	5.3	6.8	6.8
57.5°	2.4	2.4	2.4	2.9	3.4	4.8	5.8	5.8
60°	2.4	2.4	2.4	2.4	3.4	4.4	5.3	3.9



TEST NUMBER: P208890

CATALOG NUMBER: LDSQA6A15935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.4	2.4	2.4	2.4	2.9	3.9	4.4	2.9
64°	2.4	2.4	2.4	2.9	2.9	3.9	3.9	2.9
65°	2.4	2.4	2.4	2.4	2.9	3.4	3.9	2.9
66°	2.4	2.4	2.4	2.4	2.9	3.4	3.4	2.9
67.5°	2.4	2.4	2.4	2.4	2.9	3.4	3.4	2.4
70°	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.4
72.5°	2.4	2.4	2.4	2.4	2.4	2.9	2.4	1.9
75°	2.4	2.4	2.9	2.9	2.4	2.4	1.9	1.9
77.5°	2.4	2.4	2.9	2.9	2.4	2.4	1.9	1.5
80°	2.4	2.4	2.9	2.9	2.4	1.9	1.5	1.5
82.5°	2.4	2.4	2.9	2.9	2.4	1.9	1.5	1.0
85°	2.4	2.4	2.9	2.9	2.4	1.9	1.0	1.0
87.5°	2.4	2.4	2.9	2.9	2.4	1.5	1.0	0.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	2.4	2.4
62°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5





61°	2.4	2.4	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
62°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





61°	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
62°	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4





61°	2.4	2.4	2.4	2.4	3.4	4.4	4.8	3.4
62°	2.4	2.4	2.4	2.4	3.4	4.4	4.4	3.4



(END OF REPORT)