

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: P208889

Luminaire Tested: **LDSQA6A15930D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208889
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: LDSQA6A15930D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1449.7 lumens
Efficiency: N/A
Efficacy: 66.5 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

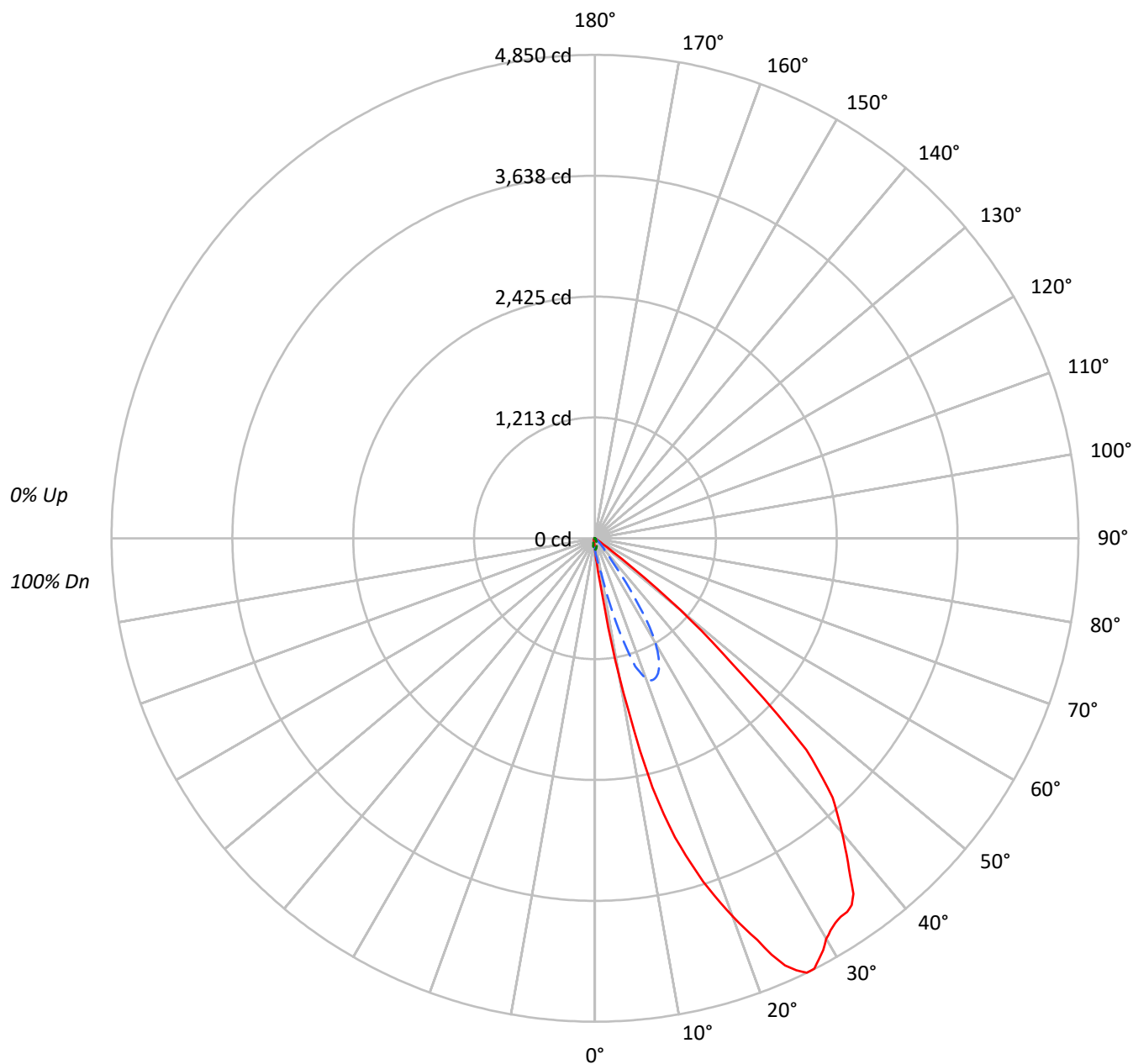
Input Watts (W): 21.79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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°	4956	4956	4956
5°	12145	4724	2610
10°	61553	3922	1906
15°	138471	2973	1516
20°	184939	2089	1274
25°	227220	1458	1116
30°	230759	999	1024
35°	236095	631	909
40°	216806	377	837
45°	182584	262	761
50°	74679	228	677
55°	3633	218	503
60°	207	207	327
65°	51	245	295
70°	63	302	302
75°	0	482	316
80°	0	719	347
85°	0	1433	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	1.2
10°-20°	191.6	13.2
20°-30°	441.3	30.4
30°-40°	485.3	33.5
40°-50°	284.6	19.6
50°-60°	23.2	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°	650.6	44.9
0°-40°	1135.8	78.4
0°-60°	1443.7	99.6
0°-90°	1449.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	281	194	109	68	60	59
15°	3106	1016	67	36	34	877
25°	4783	1496	31	21	24	2143
35°	4492	538	12	13	17	2736
45°	2999	60	4	8	12	2076
55°	48	3	3	5	7	193
65°	0	1	2	3	3	1
75°	0	1	3	2	2	0
85°	0	1	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	177.4	173.6	172.6	172.2	169.3	170.7	171.7	169.3	169.3	169.3	164.0
5°	281.0	270.5	269.0	266.6	259.4	259.4	260.4	254.2	251.8	243.1	235.5
7.5°	576.4	536.6	555.3	544.8	515.5	505.9	504.0	477.6	461.3	428.7	399.0
10°	1407.9	1318.7	1346.1	1317.3	1249.2	1206.0	1206.0	1132.2	1077.0	980.2	882.4
11°	1758.9	1703.3	1731.1	1697.6	1617.5	1564.3	1562.8	1476.0	1408.4	1289.0	1167.2
12°	2179.5	2094.1	2076.4	2084.6	1994.9	1934.0	1926.8	1831.4	1755.1	1617.0	1477.9
13°	2565.1	2507.5	2447.1	2450.9	2356.9	2294.6	2279.2	2179.0	2098.5	1948.8	1794.9
14°	2851.3	2819.2	2766.9	2761.2	2676.3	2613.5	2594.8	2492.6	2408.2	2257.7	2096.1
15°	3106.5	3076.2	3026.8	3013.9	2932.4	2868.6	2847.0	2740.6	2654.2	2512.3	2356.0
17.5°	3612.4	3592.7	3573.5	3521.7	3459.9	3366.8	3336.6	3212.9	3100.7	2972.7	2801.9
20°	4036.3	4009.9	3969.6	3927.4	3849.3	3748.6	3727.5	3578.3	3460.8	3333.3	3133.8
21°	4191.2	4165.3	4122.1	4073.7	3985.0	3878.5	3849.3	3692.0	3568.2	3435.9	3233.0
22°	4346.1	4321.6	4277.5	4216.1	4117.8	3998.4	3954.8	3788.8	3658.4	3512.6	3308.8
23°	4537.9	4480.3	4432.4	4357.1	4241.5	4106.3	4047.3	3868.4	3731.3	3579.3	3371.6
24°	4689.9	4631.4	4575.3	4483.7	4353.3	4203.2	4127.9	3937.5	3797.5	3633.0	3423.4
25°	4782.9	4752.7	4693.7	4589.7	4448.2	4284.2	4196.0	3994.1	3841.1	3678.1	3466.1
26°	4849.6	4817.9	4767.1	4658.2	4523.0	4356.1	4248.7	4041.6	3883.3	3707.3	3494.4
27°	4847.2	4828.0	4785.3	4689.4	4575.8	4406.0	4292.8	4073.2	3905.4	3722.2	3505.4
28°	4782.9	4782.9	4763.7	4686.1	4588.2	4428.1	4308.7	4079.0	3907.8	3718.8	3498.2
29°	4724.4	4709.5	4713.4	4652.5	4569.0	4412.7	4297.1	4062.2	3890.0	3697.2	3476.7
30°	4641.5	4637.1	4653.9	4605.0	4536.0	4380.1	4260.2	4027.2	3855.0	3661.8	3442.1
31°	4589.7	4578.2	4594.5	4553.7	4477.9	4318.2	4204.1	3976.8	3809.0	3616.2	3399.9
32°	4550.8	4536.9	4556.1	4503.3	4420.9	4263.1	4141.3	3921.7	3749.0	3565.8	3346.2
33°	4527.3	4523.0	4530.2	4458.8	4352.8	4188.3	4078.0	3862.7	3691.5	3509.3	3287.2
34°	4523.0	4513.9	4501.4	4398.8	4284.2	4117.3	4006.5	3797.0	3629.6	3442.6	3215.3
35°	4491.8	4471.7	4443.4	4315.8	4187.3	4027.6	3923.1	3721.2	3551.9	3363.0	3126.1
36°	4411.3	4377.2	4346.5	4213.7	4080.4	3931.3	3833.0	3635.4	3466.6	3271.4	3024.0
37°	4256.4	4244.9	4207.5	4094.3	3972.5	3829.1	3734.2	3545.7	3371.2	3166.4	2909.8
38°	4122.1	4109.6	4075.1	3973.0	3862.2	3724.6	3630.1	3430.1	3263.7	3048.4	2785.2
39°	3985.9	3974.9	3948.5	3837.3	3740.9	3611.4	3516.9	3317.0	3146.7	2917.5	2647.5
40°	3857.4	3846.4	3822.4	3712.1	3616.7	3493.4	3397.5	3193.7	3033.6	2775.1	2489.8
42.5°	3529.9	3492.5	3461.8	3355.8	3270.5	3142.4	3038.8	2829.3	2604.9	2331.0	2044.8
45°	2998.6	2952.0	2915.6	2847.5	2754.5	2655.7	2515.7	2289.3	2057.2	1792.5	1402.7
47.5°	1872.1	1806.9	1765.2	1687.5	1583.0	1515.3	1478.4	1359.0	1200.8	1083.8	787.4
50°	1114.9	1067.0	1032.0	919.3	839.7	740.9	646.9	473.3	379.8	287.2	237.9
51°	801.8	762.5	741.8	648.8	588.4	517.9	451.7	329.4	265.2	200.4	165.4
52°	464.2	434.0	433.0	373.1	349.6	320.8	274.3	217.2	185.6	145.3	124.2
53°	215.8	198.0	201.4	173.6	164.5	160.6	159.2	126.6	123.7	108.4	91.6
54°	96.9	88.7	83.0	80.1	77.7	78.6	80.6	72.9	70.0	68.1	62.3
55°	48.4	44.1	41.7	44.1	39.3	39.8	41.2	38.4	37.4	37.4	36.4
57.5°	10.5	10.1	10.1	10.5	10.1	10.1	10.5	10.5	10.5	10.1	10.1
60°	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9	3.4	3.8	3.8



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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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	163.5	159.7	160.2	157.3	155.4	153.9	155.4	151.1	150.1	145.8	143.4
5°	233.5	224.4	221.5	214.8	207.2	203.3	201.9	193.7	189.4	181.3	176.5
7.5°	386.0	357.3	340.5	320.8	296.8	284.8	269.5	254.6	238.3	223.0	212.4
10°	839.7	748.1	679.5	609.0	513.6	465.6	404.3	359.2	314.1	278.6	256.6
11°	1112.5	996.0	903.5	805.6	679.0	610.5	520.8	446.9	368.8	314.6	279.1
12°	1407.9	1268.4	1154.2	1026.7	871.8	779.7	667.5	569.7	460.8	377.4	316.5
13°	1705.7	1545.6	1413.7	1259.3	1083.3	964.8	832.5	711.6	575.4	469.0	380.8
14°	1993.9	1817.9	1671.7	1492.3	1301.5	1158.6	1008.0	863.2	702.5	573.0	462.3
15°	2251.4	2065.4	1912.4	1718.7	1518.2	1352.8	1184.0	1015.7	848.3	683.3	551.5
17.5°	2694.5	2498.9	2348.3	2144.5	1946.4	1758.0	1564.7	1346.1	1139.4	934.6	778.8
20°	3029.7	2793.8	2613.5	2372.3	2146.4	1934.0	1729.7	1506.7	1302.4	1081.4	903.9
21°	3115.1	2870.5	2686.4	2444.7	2201.1	1976.7	1761.8	1527.8	1315.9	1092.9	916.4
22°	3187.5	2942.0	2744.9	2491.2	2242.3	2005.0	1781.5	1535.5	1314.9	1084.7	907.3
23°	3242.6	2992.8	2792.4	2532.0	2274.5	2025.6	1790.6	1532.1	1303.4	1067.9	886.2
24°	3294.9	3039.3	2830.2	2557.4	2293.2	2028.9	1785.8	1518.7	1284.2	1042.5	857.9
25°	3328.5	3070.5	2850.9	2569.8	2294.1	2019.8	1770.0	1496.2	1255.0	1008.0	821.0
26°	3352.5	3085.4	2858.1	2565.5	2286.4	2001.6	1745.0	1462.6	1214.7	965.3	778.3
27°	3356.3	3084.4	2848.9	2550.7	2261.0	1967.1	1704.8	1415.6	1162.9	915.9	731.8
28°	3341.9	3066.6	2825.9	2521.9	2225.5	1921.0	1652.5	1359.0	1105.3	861.3	680.5
29°	3316.5	3036.9	2786.6	2474.9	2169.9	1859.2	1589.7	1293.3	1040.6	799.4	623.9
30°	3276.2	2993.8	2736.2	2419.8	2106.1	1789.2	1516.8	1216.6	961.5	723.6	550.0
31°	3227.8	2938.1	2668.2	2344.0	2026.1	1706.7	1432.4	1114.4	859.8	628.2	461.8
32°	3165.0	2867.6	2590.0	2260.1	1936.4	1612.2	1316.8	984.0	739.0	517.4	366.4
33°	3095.4	2789.5	2497.0	2151.7	1836.6	1485.6	1165.3	836.3	604.2	400.4	269.5
34°	3009.6	2696.0	2398.2	2041.4	1708.6	1321.1	970.6	677.1	465.2	286.3	183.2
35°	2910.3	2588.1	2278.3	1911.4	1536.4	1131.7	789.3	538.5	332.8	190.9	133.3
36°	2794.8	2471.1	2151.2	1743.1	1340.3	933.7	614.3	394.7	227.8	145.3	114.6
37°	2670.1	2340.1	1981.0	1567.6	1129.8	738.5	457.0	277.7	172.2	129.0	99.3
38°	2530.0	2200.6	1788.2	1349.9	918.3	558.2	326.6	207.2	148.2	112.2	84.9
39°	2375.2	2028.4	1567.6	1120.7	714.5	402.3	248.9	170.2	128.0	96.9	73.4
40°	2203.5	1785.8	1327.4	894.3	531.3	290.1	202.8	147.2	111.7	83.0	62.3
42.5°	1631.9	1184.5	730.3	422.0	250.8	180.8	134.8	103.6	73.4	49.9	32.1
45°	980.7	604.7	320.3	219.1	158.7	121.3	86.8	59.9	35.0	21.6	14.9
47.5°	438.3	252.7	179.3	141.5	102.6	72.4	42.2	25.4	15.8	11.0	8.2
50°	170.7	138.6	106.9	81.5	49.4	28.8	18.2	12.0	8.2	5.8	3.8
51°	131.9	107.4	83.4	59.9	33.1	20.1	13.4	9.1	6.2	4.3	2.9
52°	101.2	82.5	62.8	40.3	22.5	15.3	10.5	6.7	4.8	2.9	2.4
53°	74.3	63.3	43.6	28.3	16.3	11.5	8.2	5.3	3.4	2.4	1.9
54°	51.3	43.6	27.8	17.7	12.0	8.6	5.8	3.8	2.4	1.9	1.9
55°	31.2	27.3	18.2	12.9	8.6	6.2	4.3	2.9	1.9	1.4	1.4
57.5°	9.6	8.6	7.2	5.8	3.8	2.9	1.9	1.4	1.4	1.4	1.4
60°	3.4	3.4	2.9	2.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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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	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
64°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.9
65°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.9
66°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.9
67.5°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.9
70°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.9	1.9
72.5°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.9	1.9
75°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9
77.5°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9
80°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.9	1.9	1.9
87.5°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	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: P208889

CATALOG NUMBER: LDSQA6A15930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	141.5	139.1	137.1	135.2	132.8	131.4	130.0	127.1	125.6	122.3	119.9
5°	171.2	165.9	160.6	155.4	150.6	146.7	142.9	137.6	133.8	128.0	123.2
7.5°	200.9	190.4	180.8	172.6	164.0	157.8	150.6	142.9	136.2	128.5	121.3
10°	234.5	214.8	198.5	184.1	171.7	161.6	152.0	141.5	133.3	123.2	115.1
11°	248.9	225.4	205.2	188.0	173.6	162.1	151.1	139.5	130.4	120.4	111.3
12°	270.0	235.5	212.0	191.8	174.6	161.6	149.6	137.1	127.6	117.0	107.9
13°	305.5	253.7	218.7	194.2	176.0	160.6	147.2	133.8	123.7	112.7	103.1
14°	364.4	285.8	232.6	198.5	176.0	159.7	144.3	130.0	118.9	107.9	98.3
15°	436.4	338.1	259.4	207.6	175.5	157.8	141.5	126.1	114.1	102.6	92.1
17.5°	620.5	489.1	374.5	275.3	201.4	154.4	130.9	113.2	100.2	87.3	77.7
20°	730.8	581.2	452.7	338.1	243.1	169.3	121.8	98.8	84.9	73.4	64.3
21°	744.2	593.2	461.3	345.7	247.9	171.2	118.9	92.6	78.6	67.1	59.0
22°	739.9	589.8	457.5	341.4	243.1	166.9	113.7	86.8	72.9	61.9	53.7
23°	718.8	571.1	439.3	324.2	230.2	156.8	106.0	80.6	67.1	56.6	48.9
24°	688.1	540.0	411.4	298.8	207.2	139.1	94.9	73.8	61.4	51.8	45.6
25°	651.7	504.5	376.4	270.0	179.8	119.4	83.4	67.1	55.6	47.0	41.7
26°	610.9	466.1	340.0	237.4	151.1	100.2	73.8	60.9	49.9	42.2	37.9
27°	567.3	424.4	301.6	201.9	125.6	85.4	66.7	54.2	45.1	38.8	34.5
28°	520.8	382.7	259.9	168.3	104.1	74.8	59.9	48.4	40.3	35.0	31.6
29°	468.5	333.8	219.6	137.6	85.8	66.2	53.2	43.2	36.4	32.1	29.3
30°	402.8	278.6	176.0	110.8	73.8	59.0	47.5	38.8	33.1	29.7	26.9
31°	328.0	216.8	133.8	87.8	64.3	52.3	42.2	35.0	30.2	27.3	24.5
32°	247.9	157.8	99.7	72.9	56.6	46.0	37.4	31.6	27.8	24.5	22.5
33°	174.6	112.7	80.6	63.3	49.4	40.3	33.6	28.8	25.4	22.1	20.1
34°	119.9	90.6	70.0	54.7	43.2	36.0	30.2	25.9	22.5	19.7	17.7
35°	101.2	79.1	60.4	47.0	37.4	31.6	26.9	23.0	19.7	17.3	15.3
36°	87.3	68.6	51.8	41.2	32.6	27.3	23.5	19.7	16.8	14.4	13.4
37°	75.3	59.0	44.6	35.5	27.8	23.0	19.2	16.3	14.4	12.5	11.5
38°	65.2	49.9	37.9	30.2	23.0	18.7	15.8	13.4	12.0	10.5	9.6
39°	55.6	41.7	30.7	24.0	18.2	15.3	12.9	11.5	10.1	9.1	8.2
40°	46.0	33.1	23.5	18.7	14.4	12.5	10.5	9.6	8.2	7.7	7.2
42.5°	21.6	15.8	12.5	10.5	8.6	7.7	6.7	5.8	5.3	4.8	4.8
45°	11.0	9.1	6.7	5.8	4.8	4.3	3.8	3.4	3.4	3.4	3.4
47.5°	5.8	4.3	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	1.4	1.9	1.9	1.9	1.9	2.4	2.4
51°	1.9	1.9	1.4	1.4	1.4	1.9	1.9	1.9	1.9	2.4	2.4
52°	1.9	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	2.4	2.4
53°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	2.4	2.4
54°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	2.4	2.4
55°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	2.4
57.5°	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	2.4
60°	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	2.4



TEST NUMBER: P208889

CATALOG NUMBER: LDSQA6A15930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.4	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: P208889

CATALOG NUMBER: LDSQA6A15930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	119.9	115.6	116.0	113.7	94.9	84.9	79.6	75.8
5°	120.8	114.6	113.2	109.3	79.1	67.6	62.8	60.4
7.5°	117.5	109.3	106.5	101.2	67.1	56.6	52.7	50.8
10°	109.8	100.7	95.9	89.7	57.5	48.9	45.1	43.6
11°	106.0	96.4	91.6	85.4	54.2	46.0	42.7	41.2
12°	101.7	91.6	87.3	80.6	50.8	43.2	40.3	38.8
13°	96.9	86.8	82.5	76.2	47.5	40.8	38.4	36.9
14°	91.1	82.0	77.7	71.9	44.6	38.4	36.4	35.5
15°	85.8	77.2	72.4	66.7	42.2	36.4	35.0	34.0
17.5°	71.9	64.3	60.4	55.6	35.5	31.2	31.2	30.7
20°	59.0	52.3	49.4	45.6	29.7	27.3	27.8	27.8
21°	54.2	48.4	45.6	42.2	28.3	25.9	26.9	26.9
22°	49.4	44.1	42.2	38.8	26.4	24.5	25.9	25.9
23°	45.6	40.3	38.8	36.0	24.5	23.5	24.9	24.9
24°	41.7	37.4	35.5	33.1	23.0	22.1	24.0	24.5
25°	38.4	34.0	32.6	30.7	21.6	21.1	23.0	23.5
26°	35.0	31.2	30.2	28.3	20.1	20.1	22.1	23.0
27°	32.1	29.3	27.8	25.9	18.7	19.2	21.6	22.1
28°	29.7	26.9	25.4	24.0	17.3	18.2	20.6	21.6
29°	27.3	24.5	23.5	22.1	16.3	17.3	19.7	21.1
30°	24.9	22.5	21.6	20.1	15.3	16.3	19.2	20.6
31°	23.0	20.6	19.7	18.2	14.4	15.8	18.2	19.7
32°	20.6	18.7	17.7	16.8	13.4	14.9	17.7	19.2
33°	18.7	16.3	15.8	14.9	12.9	14.4	17.3	18.2
34°	16.3	14.4	13.9	13.4	12.0	13.4	16.3	17.7
35°	13.9	12.9	12.5	12.0	11.0	12.9	15.8	17.3
36°	12.5	11.0	11.0	10.5	10.5	12.5	15.3	16.8
37°	10.5	10.1	9.6	9.6	9.6	11.5	14.4	16.3
38°	9.1	8.6	8.6	8.6	9.1	11.0	13.9	15.8
39°	7.7	7.7	7.7	7.7	8.6	10.5	13.4	15.3
40°	6.7	6.7	6.7	6.7	8.2	10.1	12.9	14.9
42.5°	4.8	4.8	4.8	5.3	6.7	9.1	11.5	13.9
45°	3.8	3.8	3.8	4.3	6.2	8.2	10.5	12.5
47.5°	2.9	2.9	3.4	3.8	5.3	7.2	9.6	11.5
50°	2.4	2.9	2.9	3.4	4.8	6.7	8.2	10.1
51°	2.4	2.4	2.9	2.9	4.3	6.2	7.7	9.6
52°	2.4	2.4	2.9	2.9	4.3	5.8	7.7	8.6
53°	2.4	2.4	2.9	2.9	4.3	5.8	7.2	8.2
54°	2.4	2.4	2.9	2.9	3.8	5.3	6.7	7.7
55°	2.4	2.4	2.9	2.9	3.8	5.3	6.7	6.7
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	4.3	5.3	3.8



TEST NUMBER: P208889

CATALOG NUMBER: LDSQA6A15930D010TE 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	3.8	4.3	2.9
64°	2.4	2.4	2.4	2.9	2.9	3.8	3.8	2.9
65°	2.4	2.4	2.4	2.4	2.9	3.4	3.8	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	1.4
80°	2.4	2.4	2.9	2.9	2.4	1.9	1.4	1.4
82.5°	2.4	2.4	2.9	2.9	2.4	1.9	1.4	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	1.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	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	1.4	1.4	1.4





61°	2.4	2.4	1.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
62°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4





61°	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
62°	1.4	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	4.3	4.8	3.4
62°	2.4	2.4	2.4	2.4	3.4	4.3	4.3	3.4



(END OF REPORT)