

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: P208878

Luminaire Tested: **LDSQA6A10835D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208878
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: LDSQA6A10835D010TE 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: 1199.0 lumens
Efficiency: N/A
Efficacy: 87.3 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

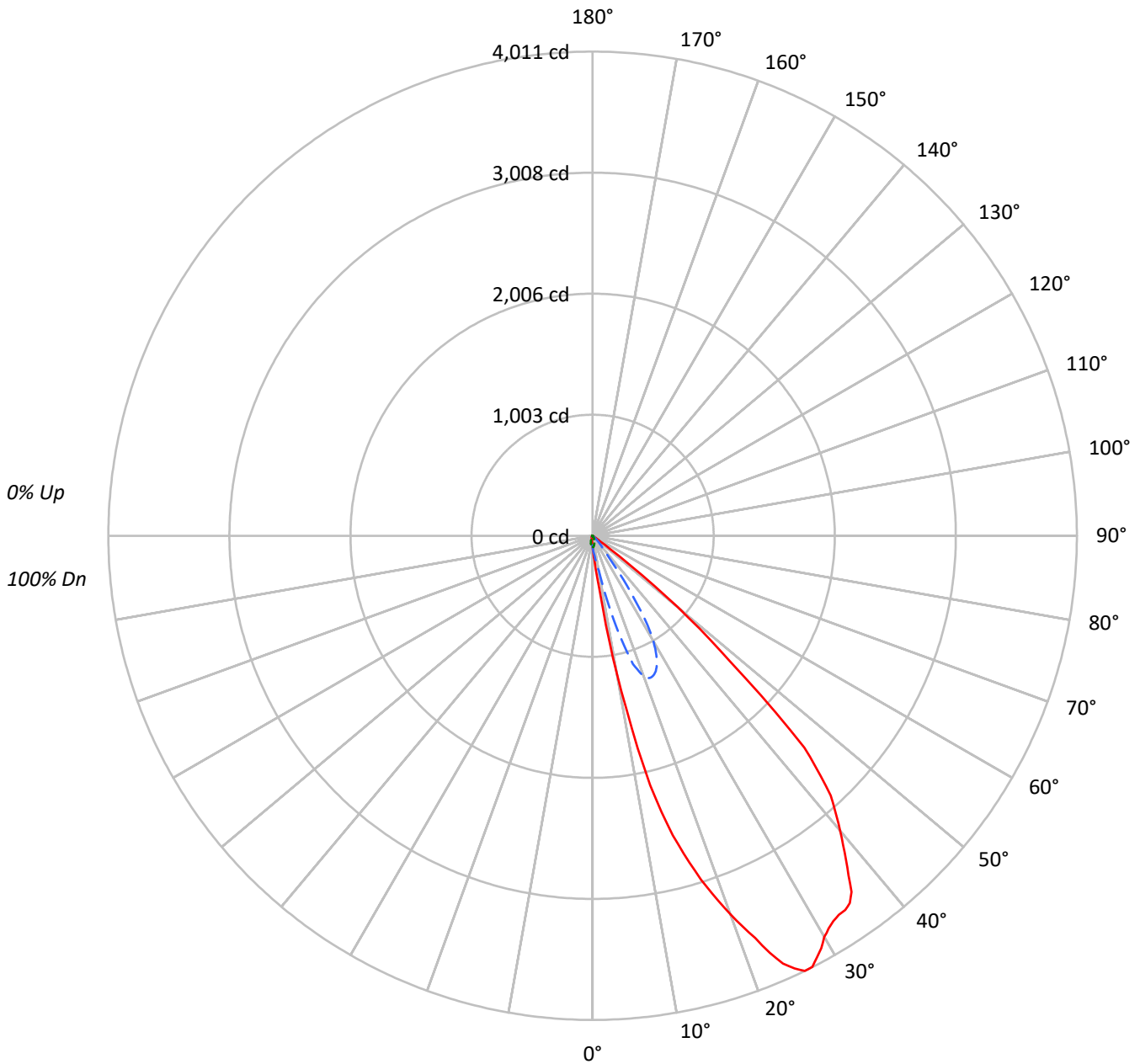
Input Watts (W): 13.73
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4099	4099	4099
5°	10044	3907	2161
10°	50907	3244	1578
15°	114521	2456	1257
20°	152953	1727	1054
25°	187922	1207	922
30°	190846	830	850
35°	195260	520	752
40°	179306	315	691
45°	151001	219	627
50°	61765	188	556
55°	3010	180	420
60°	172	172	276
65°	41	204	245
70°	50	252	252
75°	0	399	266
80°	0	595	298
85°	0	1186	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	1.2
10°-20°	158.5	13.2
20°-30°	365.0	30.4
30°-40°	401.3	33.5
40°-50°	235.4	19.6
50°-60°	19.2	1.6
60°-70°	2.0	0.2
70°-80°	1.7	0.1
80°-90°	1.3	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°	538.1	44.9
0°-40°	939.4	78.3
0°-60°	1194.0	99.6
0°-90°	1199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	232	160	90	56	50	49
15°	2569	840	55	30	28	725
25°	3956	1237	25	18	19	1772
35°	3715	445	10	11	14	2263
45°	2480	50	4	7	10	1717
55°	40	2	2	4	6	160
65°	0	1	2	3	2	1
75°	0	1	2	2	2	0
85°	0	1	2	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°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	146.7	143.6	142.8	142.4	140.0	141.2	142.0	140.0	140.0	140.0	135.6
5°	232.4	223.7	222.5	220.5	214.6	214.6	215.4	210.2	208.2	201.1	194.7
7.5°	476.7	443.8	459.3	450.5	426.3	418.4	416.8	395.0	381.5	354.6	330.0
10°	1164.4	1090.6	1113.3	1089.5	1033.1	997.4	997.4	936.4	890.8	810.6	729.7
11°	1454.7	1408.7	1431.7	1404.0	1337.7	1293.7	1292.5	1220.7	1164.8	1066.1	965.3
12°	1802.5	1731.9	1717.3	1724.0	1649.8	1599.5	1593.5	1514.6	1451.5	1337.3	1222.3
13°	2121.4	2073.8	2023.8	2027.0	1949.3	1897.7	1885.0	1802.1	1735.5	1611.8	1484.5
14°	2358.2	2331.6	2288.4	2283.6	2213.4	2161.5	2146.0	2061.5	1991.7	1867.2	1733.5
15°	2569.2	2544.2	2503.3	2492.6	2425.2	2372.4	2354.6	2266.6	2195.2	2077.8	1948.5
17.5°	2987.6	2971.3	2955.4	2912.6	2861.5	2784.5	2759.5	2657.2	2564.4	2458.5	2317.3
20°	3338.2	3316.4	3283.0	3248.1	3183.5	3100.2	3082.8	2959.4	2862.2	2756.8	2591.8
21°	3466.3	3444.9	3409.2	3369.1	3295.7	3207.7	3183.5	3053.4	2951.1	2841.6	2673.9
22°	3594.4	3574.1	3537.7	3486.9	3405.6	3306.8	3270.7	3133.5	3025.6	2905.1	2736.5
23°	3753.0	3705.4	3665.8	3603.5	3507.9	3396.1	3347.3	3199.4	3085.9	2960.2	2788.5
24°	3878.7	3830.3	3783.9	3708.2	3600.3	3476.2	3413.9	3256.5	3140.7	3004.6	2831.3
25°	3955.7	3930.7	3881.9	3795.8	3678.8	3543.2	3470.2	3303.3	3176.8	3041.9	2866.6
26°	4010.8	3984.6	3942.6	3852.6	3740.7	3602.7	3513.9	3342.5	3211.7	3066.1	2890.0
27°	4008.8	3992.9	3957.7	3878.3	3784.3	3643.9	3550.3	3368.7	3229.9	3078.4	2899.1
28°	3955.7	3955.7	3939.8	3875.6	3794.7	3662.2	3563.4	3373.5	3231.9	3075.6	2893.2
29°	3907.3	3895.0	3898.2	3847.8	3778.8	3649.5	3553.9	3359.6	3217.2	3057.8	2875.3
30°	3838.7	3835.1	3849.0	3808.5	3751.4	3622.5	3523.4	3330.6	3188.3	3028.4	2846.8
31°	3795.8	3786.3	3799.8	3766.1	3703.4	3571.4	3477.0	3289.0	3150.2	2990.7	2811.9
32°	3763.7	3752.2	3768.1	3724.5	3656.2	3525.8	3425.0	3243.4	3100.6	2949.1	2767.5
33°	3744.3	3740.7	3746.7	3687.6	3599.9	3463.9	3372.7	3194.6	3053.0	2902.3	2718.7
34°	3740.7	3733.2	3722.9	3638.0	3543.2	3405.2	3313.6	3140.3	3001.9	2847.2	2659.2
35°	3714.9	3698.3	3674.9	3569.4	3463.1	3331.0	3244.6	3077.6	2937.6	2781.3	2585.4
36°	3648.3	3620.1	3594.8	3484.9	3374.7	3251.3	3170.0	3006.6	2867.0	2705.6	2500.9
37°	3520.2	3510.7	3479.8	3386.2	3285.4	3166.8	3088.3	2932.4	2788.1	2618.7	2406.6
38°	3409.2	3398.8	3370.3	3285.8	3194.2	3080.4	3002.2	2836.9	2699.2	2521.2	2303.4
39°	3296.5	3287.4	3265.6	3173.6	3093.9	2986.8	2908.7	2743.3	2602.5	2412.9	2189.6
40°	3190.2	3181.1	3161.3	3070.1	2991.1	2889.2	2809.9	2641.3	2508.9	2295.1	2059.1
42.5°	2919.4	2888.4	2863.0	2775.4	2704.8	2598.9	2513.2	2339.9	2154.3	1927.9	1691.1
45°	2479.9	2441.5	2411.3	2355.0	2278.1	2196.4	2080.6	1893.4	1701.4	1482.5	1160.0
47.5°	1548.3	1494.4	1459.9	1395.6	1309.2	1253.3	1222.7	1124.0	993.1	896.3	651.2
50°	922.1	882.4	853.5	760.3	694.4	612.7	535.0	391.4	314.1	237.6	196.7
51°	663.1	630.6	613.5	536.6	486.6	428.3	373.6	272.5	219.3	165.8	136.8
52°	383.9	358.9	358.1	308.6	289.1	265.3	226.9	179.7	153.5	120.2	102.7
53°	178.5	163.8	166.6	143.6	136.0	132.9	131.7	104.7	102.3	89.6	75.8
54°	80.1	73.4	68.6	66.2	64.2	65.0	66.6	60.3	57.9	56.3	51.6
55°	40.1	36.5	34.5	36.5	32.5	32.9	34.1	31.7	30.9	30.9	30.1
57.5°	8.7	8.3	8.3	8.7	8.3	8.3	8.7	8.7	8.7	8.3	8.3
60°	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
64°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
66°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
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°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	135.2	132.1	132.5	130.1	128.5	127.3	128.5	124.9	124.1	120.6	118.6
5°	193.1	185.6	183.2	177.7	171.3	168.2	167.0	160.2	156.7	149.9	145.9
7.5°	319.3	295.5	281.6	265.3	245.5	235.6	222.9	210.6	197.1	184.4	175.7
10°	694.4	618.7	562.0	503.7	424.8	385.1	334.3	297.1	259.8	230.4	212.2
11°	920.1	823.7	747.2	666.3	561.6	504.9	430.7	369.6	305.0	260.2	230.8
12°	1164.4	1049.0	954.6	849.1	721.0	644.9	552.1	471.2	381.1	312.1	261.8
13°	1410.7	1278.2	1169.2	1041.5	895.9	798.0	688.5	588.6	475.9	387.9	314.9
14°	1649.1	1503.5	1382.5	1234.2	1076.4	958.2	833.6	713.9	581.0	473.9	382.3
15°	1862.0	1708.1	1581.6	1421.4	1255.6	1118.8	979.2	840.0	701.6	565.2	456.1
17.5°	2228.5	2066.7	1942.1	1773.6	1609.8	1453.9	1294.1	1113.3	942.3	773.0	644.1
20°	2505.7	2310.6	2161.5	1962.0	1775.2	1599.5	1430.5	1246.1	1077.2	894.3	747.6
21°	2576.3	2374.0	2221.7	2021.9	1820.4	1634.8	1457.1	1263.6	1088.3	903.8	757.9
22°	2636.2	2433.1	2270.1	2060.3	1854.5	1658.2	1473.4	1269.9	1087.5	897.1	750.4
23°	2681.8	2475.2	2309.4	2094.0	1881.1	1675.2	1480.9	1267.1	1078.0	883.2	732.9
24°	2725.0	2513.6	2340.7	2115.1	1896.5	1678.0	1476.9	1256.0	1062.1	862.2	709.5
25°	2752.8	2539.4	2357.8	2125.4	1897.3	1670.5	1463.8	1237.4	1037.9	833.6	679.0
26°	2772.6	2551.7	2363.7	2121.8	1891.0	1655.4	1443.2	1209.6	1004.6	798.4	643.7
27°	2775.8	2550.9	2356.2	2109.5	1870.0	1626.8	1409.9	1170.8	961.8	757.5	605.2
28°	2763.9	2536.2	2337.2	2085.7	1840.6	1588.8	1366.7	1124.0	914.2	712.3	562.8
29°	2742.9	2511.7	2304.6	2046.8	1794.6	1537.6	1314.7	1069.6	860.6	661.1	516.0
30°	2709.6	2476.0	2263.0	2001.2	1741.9	1479.7	1254.4	1006.2	795.2	598.5	454.9
31°	2669.5	2430.0	2206.7	1938.6	1675.6	1411.5	1184.6	921.7	711.1	519.5	381.9
32°	2617.5	2371.7	2142.0	1869.2	1601.5	1333.4	1089.1	813.8	611.2	427.9	303.0
33°	2560.0	2307.0	2065.1	1779.5	1519.0	1228.7	963.7	691.7	499.7	331.2	222.9
34°	2489.0	2229.7	1983.4	1688.3	1413.1	1092.6	802.7	560.0	384.7	236.8	151.5
35°	2407.0	2140.4	1884.2	1580.8	1270.7	936.0	652.8	445.4	275.2	157.8	110.3
36°	2311.4	2043.7	1779.1	1441.6	1108.5	772.2	508.0	326.4	188.4	120.2	94.8
37°	2208.3	1935.4	1638.3	1296.5	934.4	610.8	378.0	229.6	142.4	106.7	82.1
38°	2092.5	1820.0	1478.9	1116.4	759.5	461.6	270.1	171.3	122.5	92.8	70.2
39°	1964.4	1677.6	1296.5	926.8	590.9	332.7	205.8	140.8	105.9	80.1	60.7
40°	1822.4	1476.9	1097.8	739.7	439.4	239.9	167.8	121.8	92.4	68.6	51.6
42.5°	1349.6	979.6	604.0	349.0	207.4	149.5	111.4	85.7	60.7	41.2	26.6
45°	811.0	500.1	264.9	181.2	131.3	100.3	71.8	49.6	29.0	17.8	12.3
47.5°	362.5	209.0	148.3	117.0	84.9	59.9	34.9	21.0	13.1	9.1	6.7
50°	141.2	114.6	88.4	67.4	40.8	23.8	15.1	9.9	6.7	4.8	3.2
51°	109.1	88.8	69.0	49.6	27.4	16.7	11.1	7.5	5.2	3.6	2.4
52°	83.7	68.2	52.0	33.3	18.6	12.7	8.7	5.6	4.0	2.4	2.0
53°	61.5	52.4	36.1	23.4	13.5	9.5	6.7	4.4	2.8	2.0	1.6
54°	42.4	36.1	23.0	14.7	9.9	7.1	4.8	3.2	2.0	1.6	1.6
55°	25.8	22.6	15.1	10.7	7.1	5.2	3.6	2.4	1.6	1.2	1.2
57.5°	7.9	7.1	5.9	4.8	3.2	2.4	1.6	1.2	1.2	1.2	1.2
60°	2.8	2.8	2.4	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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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°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
64°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.6
65°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.6
66°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.6
67.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.6
70°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	1.6
72.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	1.6
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
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: P208878

CATALOG NUMBER: LDSQA6A10835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	117.0	115.0	113.4	111.8	109.9	108.7	107.5	105.1	103.9	101.1	99.1
5°	141.6	137.2	132.9	128.5	124.5	121.4	118.2	113.8	110.7	105.9	101.9
7.5°	166.2	157.4	149.5	142.8	135.6	130.5	124.5	118.2	112.6	106.3	100.3
10°	193.9	177.7	164.2	152.3	142.0	133.7	125.7	117.0	110.3	101.9	95.2
11°	205.8	186.4	169.7	155.5	143.6	134.1	124.9	115.4	107.9	99.5	92.0
12°	223.3	194.7	175.3	158.6	144.4	133.7	123.7	113.4	105.5	96.8	89.2
13°	252.6	209.8	180.8	160.6	145.6	132.9	121.8	110.7	102.3	93.2	85.3
14°	301.4	236.4	192.4	164.2	145.6	132.1	119.4	107.5	98.4	89.2	81.3
15°	360.9	279.6	214.6	171.7	145.2	130.5	117.0	104.3	94.4	84.9	76.1
17.5°	513.2	404.5	309.7	227.6	166.6	127.7	108.3	93.6	82.9	72.2	64.2
20°	604.4	480.7	374.4	279.6	201.1	140.0	100.7	81.7	70.2	60.7	53.1
21°	615.5	490.6	381.5	285.9	205.0	141.6	98.4	76.5	65.0	55.5	48.8
22°	612.0	487.8	378.4	282.4	201.1	138.0	94.0	71.8	60.3	51.2	44.4
23°	594.5	472.3	363.3	268.1	190.4	129.7	87.6	66.6	55.5	46.8	40.5
24°	569.1	446.6	340.3	247.1	171.3	115.0	78.5	61.1	50.8	42.8	37.7
25°	539.0	417.2	311.3	223.3	148.7	98.8	69.0	55.5	46.0	38.9	34.5
26°	505.3	385.5	281.2	196.3	124.9	82.9	61.1	50.4	41.2	34.9	31.3
27°	469.2	351.0	249.5	167.0	103.9	70.6	55.1	44.8	37.3	32.1	28.6
28°	430.7	316.5	215.0	139.2	86.1	61.9	49.6	40.1	33.3	29.0	26.2
29°	387.5	276.0	181.6	113.8	71.0	54.7	44.0	35.7	30.1	26.6	24.2
30°	333.1	230.4	145.6	91.6	61.1	48.8	39.3	32.1	27.4	24.6	22.2
31°	271.3	179.3	110.7	72.6	53.1	43.2	34.9	29.0	25.0	22.6	20.2
32°	205.0	130.5	82.5	60.3	46.8	38.1	30.9	26.2	23.0	20.2	18.6
33°	144.4	93.2	66.6	52.4	40.8	33.3	27.8	23.8	21.0	18.2	16.7
34°	99.1	75.0	57.9	45.2	35.7	29.7	25.0	21.4	18.6	16.3	14.7
35°	83.7	65.4	50.0	38.9	30.9	26.2	22.2	19.0	16.3	14.3	12.7
36°	72.2	56.7	42.8	34.1	27.0	22.6	19.4	16.3	13.9	11.9	11.1
37°	62.3	48.8	36.9	29.3	23.0	19.0	15.9	13.5	11.9	10.3	9.5
38°	53.9	41.2	31.3	25.0	19.0	15.5	13.1	11.1	9.9	8.7	7.9
39°	46.0	34.5	25.4	19.8	15.1	12.7	10.7	9.5	8.3	7.5	6.7
40°	38.1	27.4	19.4	15.5	11.9	10.3	8.7	7.9	6.7	6.3	5.9
42.5°	17.8	13.1	10.3	8.7	7.1	6.3	5.6	4.8	4.4	4.0	4.0
45°	9.1	7.5	5.6	4.8	4.0	3.6	3.2	2.8	2.8	2.8	2.8
47.5°	4.8	3.6	2.8	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
50°	2.4	1.6	1.6	1.6	1.2	1.6	1.6	1.6	1.6	2.0	2.0
51°	1.6	1.6	1.2	1.2	1.2	1.6	1.6	1.6	1.6	2.0	2.0
52°	1.6	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	2.0	2.0
53°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	2.0	2.0
54°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	2.0	2.0
55°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	2.0
57.5°	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0
60°	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	2.0



TEST NUMBER: P208878

CATALOG NUMBER: LDSQA6A10835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
64°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
66°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0
70°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P208878

CATALOG NUMBER: LDSQA6A10835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	99.1	95.6	96.0	94.0	78.5	70.2	65.8	62.7
5°	99.9	94.8	93.6	90.4	65.4	55.9	52.0	50.0
7.5°	97.2	90.4	88.0	83.7	55.5	46.8	43.6	42.0
10°	90.8	83.3	79.3	74.2	47.6	40.5	37.3	36.1
11°	87.6	79.7	75.8	70.6	44.8	38.1	35.3	34.1
12°	84.1	75.8	72.2	66.6	42.0	35.7	33.3	32.1
13°	80.1	71.8	68.2	63.1	39.3	33.7	31.7	30.5
14°	75.4	67.8	64.2	59.5	36.9	31.7	30.1	29.3
15°	71.0	63.9	59.9	55.1	34.9	30.1	29.0	28.2
17.5°	59.5	53.1	50.0	46.0	29.3	25.8	25.8	25.4
20°	48.8	43.2	40.8	37.7	24.6	22.6	23.0	23.0
21°	44.8	40.1	37.7	34.9	23.4	21.4	22.2	22.2
22°	40.8	36.5	34.9	32.1	21.8	20.2	21.4	21.4
23°	37.7	33.3	32.1	29.7	20.2	19.4	20.6	20.6
24°	34.5	30.9	29.3	27.4	19.0	18.2	19.8	20.2
25°	31.7	28.2	27.0	25.4	17.8	17.5	19.0	19.4
26°	29.0	25.8	25.0	23.4	16.7	16.7	18.2	19.0
27°	26.6	24.2	23.0	21.4	15.5	15.9	17.8	18.2
28°	24.6	22.2	21.0	19.8	14.3	15.1	17.1	17.8
29°	22.6	20.2	19.4	18.2	13.5	14.3	16.3	17.5
30°	20.6	18.6	17.8	16.7	12.7	13.5	15.9	17.1
31°	19.0	17.1	16.3	15.1	11.9	13.1	15.1	16.3
32°	17.1	15.5	14.7	13.9	11.1	12.3	14.7	15.9
33°	15.5	13.5	13.1	12.3	10.7	11.9	14.3	15.1
34°	13.5	11.9	11.5	11.1	9.9	11.1	13.5	14.7
35°	11.5	10.7	10.3	9.9	9.1	10.7	13.1	14.3
36°	10.3	9.1	9.1	8.7	8.7	10.3	12.7	13.9
37°	8.7	8.3	7.9	7.9	7.9	9.5	11.9	13.5
38°	7.5	7.1	7.1	7.1	7.5	9.1	11.5	13.1
39°	6.3	6.3	6.3	6.3	7.1	8.7	11.1	12.7
40°	5.6	5.6	5.6	5.6	6.7	8.3	10.7	12.3
42.5°	4.0	4.0	4.0	4.4	5.6	7.5	9.5	11.5
45°	3.2	3.2	3.2	3.6	5.2	6.7	8.7	10.3
47.5°	2.4	2.4	2.8	3.2	4.4	5.9	7.9	9.5
50°	2.0	2.4	2.4	2.8	4.0	5.6	6.7	8.3
51°	2.0	2.0	2.4	2.4	3.6	5.2	6.3	7.9
52°	2.0	2.0	2.4	2.4	3.6	4.8	6.3	7.1
53°	2.0	2.0	2.4	2.4	3.6	4.8	5.9	6.7
54°	2.0	2.0	2.4	2.4	3.2	4.4	5.6	6.3
55°	2.0	2.0	2.4	2.4	3.2	4.4	5.6	5.6
57.5°	2.0	2.0	2.0	2.4	2.8	4.0	4.8	4.8
60°	2.0	2.0	2.0	2.0	2.8	3.6	4.4	3.2



TEST NUMBER: P208878

CATALOG NUMBER: LDSQA6A10835D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.0	2.0	2.0	2.0	2.4	3.2	3.6	2.4
64°	2.0	2.0	2.0	2.4	2.4	3.2	3.2	2.4
65°	2.0	2.0	2.0	2.0	2.4	2.8	3.2	2.4
66°	2.0	2.0	2.0	2.0	2.4	2.8	2.8	2.4
67.5°	2.0	2.0	2.0	2.0	2.4	2.8	2.8	2.0
70°	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.4	2.0	1.6
75°	2.0	2.0	2.4	2.4	2.0	2.0	1.6	1.6
77.5°	2.0	2.0	2.4	2.4	2.0	2.0	1.6	1.2
80°	2.0	2.0	2.4	2.4	2.0	1.6	1.2	1.2
82.5°	2.0	2.0	2.4	2.4	2.0	1.6	1.2	0.8
85°	2.0	2.0	2.4	2.4	2.0	1.6	0.8	0.8
87.5°	2.0	2.0	2.4	2.4	2.0	1.2	0.8	0.4
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	2.0	2.0
62°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2





61°	2.0	2.0	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
62°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2





61°	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
62°	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0





61°	2.0	2.0	2.0	2.0	2.8	3.6	4.0	2.8
62°	2.0	2.0	2.0	2.0	2.8	3.6	3.6	2.8



(END OF REPORT)