

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: P208880

Luminaire Tested: **LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208880
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: LDSQA6A10927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 926.1 lumens
Efficiency: N/A
Efficacy: 67.5 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

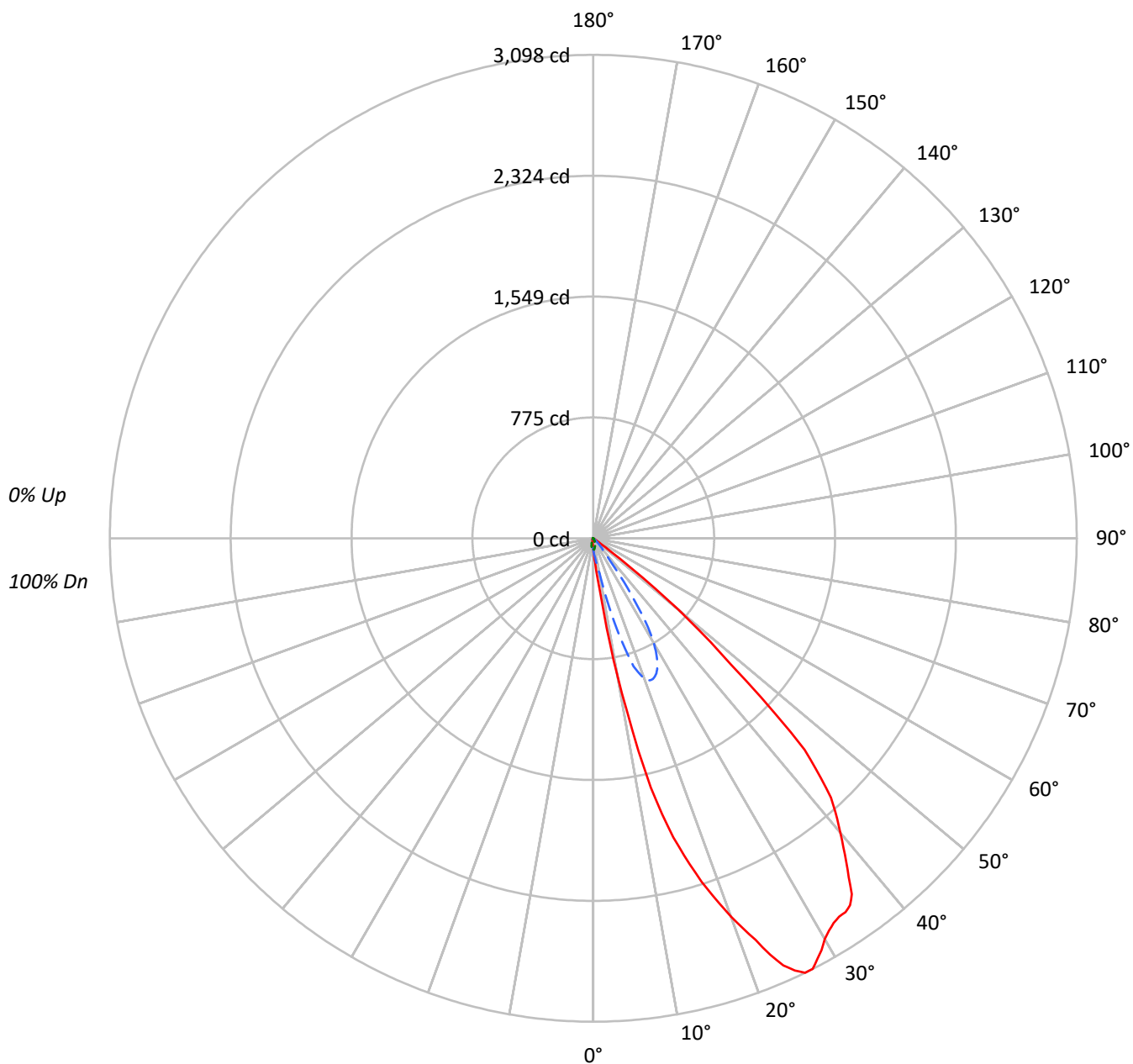
Input Watts (W): 13.73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

Luminous Intensity Polar Plot





TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

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	55	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°	3165	3165	3165
5°	7758	3021	1668
10°	39326	2505	1220
15°	88467	1899	972
20°	118158	1333	816
25°	145171	931	713
30°	147429	641	656
35°	150840	405	578
40°	138518	242	534
45°	116653	170	487
50°	47712	141	429
55°	2320	135	323
60°	129	129	215
65°	31	153	183
70°	38	189	189
75°	0	299	200
80°	0	446	223
85°	0	889	296



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	1.2
10°-20°	122.4	13.2
20°-30°	281.9	30.4
30°-40°	310.0	33.5
40°-50°	181.9	19.6
50°-60°	14.8	1.6
60°-70°	1.5	0.2
70°-80°	1.3	0.1
80°-90°	1.0	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°	415.7	44.9
0°-40°	725.7	78.4
0°-60°	922.4	99.6
0°-90°	926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	926.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	74	74	74	74	74	
5°	180	124	70	43	39	38
15°	1985	649	43	23	22	560
25°	3056	956	20	14	15	1369
35°	2870	344	8	8	11	1748
45°	1916	38	3	5	8	1327
55°	31	2	2	3	4	124
65°	0	1	2	2	2	0
75°	0	1	2	2	1	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	113.4	110.9	110.3	110.0	108.2	109.1	109.7	108.2	108.2	108.2	104.8
5°	179.5	172.8	171.9	170.3	165.7	165.7	166.4	162.4	160.8	155.3	150.4
7.5°	368.3	342.8	354.8	348.0	329.4	323.2	322.0	305.2	294.7	273.9	254.9
10°	899.5	842.5	860.0	841.6	798.1	770.5	770.5	723.4	688.1	626.2	563.7
11°	1123.8	1088.3	1106.0	1084.6	1033.4	999.4	998.5	943.0	899.8	823.5	745.7
12°	1392.5	1337.9	1326.6	1331.8	1274.5	1235.6	1231.0	1170.1	1121.3	1033.1	944.3
13°	1638.8	1602.0	1563.4	1565.9	1505.8	1466.0	1456.2	1392.2	1340.7	1245.1	1146.8
14°	1821.7	1801.2	1767.8	1764.1	1709.9	1669.8	1657.8	1592.5	1538.6	1442.4	1339.2
15°	1984.7	1965.4	1933.9	1925.6	1873.5	1832.7	1819.0	1750.9	1695.8	1605.1	1505.2
17.5°	2307.9	2295.4	2283.1	2250.0	2210.5	2151.1	2131.8	2052.7	1981.0	1899.2	1790.2
20°	2578.8	2561.9	2536.2	2509.2	2459.3	2394.9	2381.5	2286.2	2211.1	2129.6	2002.2
21°	2677.7	2661.2	2633.6	2602.7	2546.0	2478.0	2459.3	2358.8	2279.7	2195.2	2065.6
22°	2776.7	2761.1	2732.9	2693.7	2630.9	2554.6	2526.7	2420.7	2337.3	2244.2	2114.0
23°	2899.2	2862.5	2831.8	2783.7	2709.9	2623.5	2585.8	2471.5	2383.9	2286.8	2154.1
24°	2996.4	2959.0	2923.1	2864.6	2781.3	2685.4	2637.3	2515.7	2426.2	2321.1	2187.2
25°	3055.8	3036.5	2998.8	2932.3	2842.0	2737.2	2680.8	2551.8	2454.1	2349.9	2214.5
26°	3098.4	3078.2	3045.7	2976.1	2889.7	2783.1	2714.5	2582.1	2481.0	2368.6	2232.6
27°	3096.9	3084.6	3057.3	2996.1	2923.4	2815.0	2742.7	2602.4	2495.1	2378.1	2239.6
28°	3055.8	3055.8	3043.5	2993.9	2931.4	2829.1	2752.8	2606.0	2496.7	2376.0	2235.0
29°	3018.4	3008.9	3011.4	2972.5	2919.2	2819.3	2745.4	2595.3	2485.3	2362.2	2221.2
30°	2965.4	2962.7	2973.4	2942.1	2898.0	2798.4	2721.9	2573.0	2463.0	2339.5	2199.2
31°	2932.3	2925.0	2935.4	2909.4	2860.9	2758.9	2686.0	2540.8	2433.6	2310.4	2172.2
32°	2907.5	2898.6	2910.9	2877.2	2824.5	2723.7	2645.9	2505.5	2395.3	2278.2	2137.9
33°	2892.5	2889.7	2894.3	2848.7	2781.0	2675.9	2605.4	2467.9	2358.5	2242.1	2100.2
34°	2889.7	2883.9	2876.0	2810.4	2737.2	2630.6	2559.8	2425.9	2319.0	2199.5	2054.3
35°	2869.8	2857.0	2838.9	2757.4	2675.3	2573.3	2506.5	2377.5	2269.3	2148.6	1997.3
36°	2818.4	2796.6	2777.0	2692.1	2607.0	2511.7	2448.9	2322.6	2214.8	2090.1	1932.0
37°	2719.4	2712.0	2688.2	2615.8	2538.0	2446.4	2385.8	2265.4	2153.8	2023.0	1859.1
38°	2633.6	2625.6	2603.6	2538.3	2467.6	2379.6	2319.3	2191.5	2085.2	1947.6	1779.4
39°	2546.6	2539.6	2522.7	2451.6	2390.0	2307.3	2247.0	2119.2	2010.4	1864.0	1691.5
40°	2464.5	2457.4	2442.1	2371.7	2310.7	2232.0	2170.7	2040.5	1938.1	1773.0	1590.7
42.5°	2255.2	2231.3	2211.7	2144.0	2089.5	2007.7	1941.5	1807.6	1664.2	1489.3	1306.4
45°	1915.8	1886.1	1862.8	1819.3	1759.8	1696.7	1607.3	1462.6	1314.4	1145.2	896.2
47.5°	1196.1	1154.4	1127.8	1078.1	1011.3	968.2	944.6	868.3	767.2	692.4	503.1
50°	712.3	681.7	659.3	587.3	536.5	473.4	413.3	302.4	242.7	183.5	152.0
51°	512.3	487.1	474.0	414.5	375.9	330.9	288.6	210.5	169.4	128.1	105.7
52°	296.6	277.3	276.7	238.4	223.3	205.0	175.2	138.8	118.6	92.8	79.4
53°	137.9	126.5	128.7	110.9	105.1	102.6	101.7	80.9	79.0	69.2	58.5
54°	61.9	56.7	53.0	51.2	49.6	50.2	51.5	46.6	44.7	43.5	39.8
55°	30.9	28.2	26.7	28.2	25.1	25.4	26.3	24.5	23.9	23.9	23.3
57.5°	6.7	6.4	6.4	6.7	6.4	6.4	6.7	6.7	6.7	6.4	6.4
60°	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	2.1	2.5	2.5



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
64°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
66°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
80°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
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: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	104.5	102.0	102.3	100.5	99.3	98.3	99.3	96.5	95.9	93.1	91.6
5°	149.2	143.4	141.5	137.3	132.4	129.9	129.0	123.8	121.0	115.8	112.7
7.5°	246.6	228.3	217.5	205.0	189.6	182.0	172.2	162.7	152.3	142.5	135.7
10°	536.5	477.9	434.1	389.1	328.1	297.5	258.3	229.5	200.7	178.0	163.9
11°	710.8	636.3	577.2	514.7	433.8	390.0	332.7	285.5	235.6	201.0	178.3
12°	899.5	810.4	737.4	656.0	557.0	498.2	426.5	364.0	294.4	241.1	202.2
13°	1089.8	987.5	903.2	804.5	692.1	616.4	531.9	454.7	367.7	299.6	243.3
14°	1273.9	1161.5	1068.0	953.4	831.5	740.2	644.0	551.5	448.8	366.1	295.3
15°	1438.4	1319.6	1221.8	1098.1	970.0	864.3	756.4	648.9	542.0	436.6	352.3
17.5°	1721.5	1596.5	1500.3	1370.1	1243.6	1123.2	999.7	860.0	728.0	597.1	497.6
20°	1935.7	1785.0	1669.8	1515.6	1371.3	1235.6	1105.1	962.6	832.1	690.9	577.5
21°	1990.2	1834.0	1716.3	1561.9	1406.3	1262.9	1125.6	976.1	840.7	698.2	585.5
22°	2036.5	1879.6	1753.7	1591.6	1432.6	1281.0	1138.2	981.0	840.1	693.0	579.7
23°	2071.7	1912.1	1784.0	1617.7	1453.1	1294.1	1144.0	978.9	832.7	682.3	566.2
24°	2105.1	1941.8	1808.2	1633.9	1465.1	1296.3	1140.9	970.3	820.5	666.1	548.1
25°	2126.6	1961.7	1821.4	1641.9	1465.7	1290.5	1130.8	955.9	801.8	644.0	524.5
26°	2141.9	1971.2	1826.0	1639.1	1460.8	1278.8	1114.9	934.4	776.1	616.7	497.2
27°	2144.3	1970.6	1820.2	1629.6	1444.6	1256.8	1089.2	904.4	743.0	585.2	467.5
28°	2135.1	1959.3	1805.5	1611.2	1421.9	1227.3	1055.8	868.3	706.2	550.3	434.7
29°	2118.9	1940.3	1780.4	1581.2	1386.4	1187.8	1015.6	826.3	664.8	510.7	398.6
30°	2093.2	1912.7	1748.2	1546.0	1345.6	1143.1	969.1	777.3	614.3	462.3	351.4
31°	2062.2	1877.2	1704.7	1497.6	1294.4	1090.4	915.1	712.0	549.3	401.4	295.0
32°	2022.1	1832.1	1654.7	1444.0	1237.1	1030.0	841.3	628.7	472.1	330.6	234.1
33°	1977.7	1782.2	1595.3	1374.7	1173.4	949.2	744.5	534.3	386.0	255.8	172.2
34°	1922.8	1722.5	1532.2	1304.2	1091.6	844.1	620.1	432.6	297.2	182.9	117.0
35°	1859.4	1653.5	1455.6	1221.2	981.6	723.0	504.3	344.1	212.6	121.9	85.2
36°	1785.6	1578.8	1374.4	1113.7	856.3	596.5	392.5	252.1	145.5	92.8	73.2
37°	1705.9	1495.1	1265.6	1001.5	721.8	471.8	292.0	177.4	110.0	82.4	63.4
38°	1616.4	1406.0	1142.5	862.5	586.7	356.6	208.6	132.4	94.7	71.7	54.2
39°	1517.5	1296.0	1001.5	716.0	456.5	257.1	159.0	108.8	81.8	61.9	46.9
40°	1407.8	1140.9	848.1	571.4	339.5	185.4	129.6	94.1	71.4	53.0	39.8
42.5°	1042.6	756.8	466.6	269.6	160.2	115.5	86.1	66.2	46.9	31.9	20.5
45°	626.5	386.3	204.7	140.0	101.4	77.5	55.5	38.3	22.4	13.8	9.5
47.5°	280.0	161.5	114.6	90.4	65.6	46.3	27.0	16.2	10.1	7.0	5.2
50°	109.1	88.5	68.3	52.1	31.6	18.4	11.6	7.7	5.2	3.7	2.5
51°	84.3	68.6	53.3	38.3	21.1	12.9	8.6	5.8	4.0	2.8	1.8
52°	64.6	52.7	40.1	25.7	14.4	9.8	6.7	4.3	3.1	1.8	1.5
53°	47.5	40.4	27.9	18.1	10.4	7.4	5.2	3.4	2.1	1.5	1.2
54°	32.8	27.9	17.8	11.3	7.7	5.5	3.7	2.5	1.5	1.2	1.2
55°	19.9	17.5	11.6	8.3	5.5	4.0	2.8	1.8	1.2	0.9	0.9
57.5°	6.1	5.5	4.6	3.7	2.5	1.8	1.2	0.9	0.9	0.9	0.9
60°	2.1	2.1	1.8	1.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.2
65°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.2
66°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.2
67.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.2
70°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.2	1.2
72.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.2	1.2
75°	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2
77.5°	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.2	1.2	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



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	90.4	88.8	87.6	86.4	84.9	83.9	83.0	81.2	80.3	78.1	76.6
5°	109.4	106.0	102.6	99.3	96.2	93.8	91.3	87.9	85.5	81.8	78.7
7.5°	128.4	121.6	115.5	110.3	104.8	100.8	96.2	91.3	87.0	82.1	77.5
10°	149.8	137.3	126.8	117.6	109.7	103.2	97.1	90.4	85.2	78.7	73.5
11°	159.0	144.0	131.1	120.1	110.9	103.6	96.5	89.2	83.3	76.9	71.1
12°	172.5	150.4	135.4	122.6	111.5	103.2	95.6	87.6	81.5	74.8	68.9
13°	195.2	162.1	139.7	124.1	112.4	102.6	94.1	85.5	79.0	72.0	65.9
14°	232.8	182.6	148.6	126.8	112.4	102.0	92.2	83.0	76.0	68.9	62.8
15°	278.8	216.0	165.7	132.7	112.1	100.8	90.4	80.6	72.9	65.6	58.8
17.5°	396.5	312.5	239.3	175.9	128.7	98.7	83.6	72.3	64.0	55.8	49.6
20°	466.9	371.3	289.2	216.0	155.3	108.2	77.8	63.1	54.2	46.9	41.1
21°	475.5	379.0	294.7	220.9	158.4	109.4	76.0	59.1	50.2	42.9	37.7
22°	472.7	376.8	292.3	218.1	155.3	106.6	72.6	55.5	46.6	39.5	34.3
23°	459.3	364.9	280.6	207.1	147.1	100.2	67.7	51.5	42.9	36.2	31.3
24°	439.7	345.0	262.9	190.9	132.4	88.8	60.7	47.2	39.2	33.1	29.1
25°	416.4	322.3	240.5	172.5	114.9	76.3	53.3	42.9	35.5	30.0	26.7
26°	390.3	297.8	217.2	151.7	96.5	64.0	47.2	38.9	31.9	27.0	24.2
27°	362.4	271.1	192.7	129.0	80.3	54.5	42.6	34.6	28.8	24.8	22.1
28°	332.7	244.5	166.1	107.5	66.5	47.8	38.3	30.9	25.7	22.4	20.2
29°	299.3	213.2	140.3	87.9	54.8	42.3	34.0	27.6	23.3	20.5	18.7
30°	257.4	178.0	112.4	70.8	47.2	37.7	30.3	24.8	21.1	19.0	17.2
31°	209.6	138.5	85.5	56.1	41.1	33.4	27.0	22.4	19.3	17.5	15.6
32°	158.4	100.8	63.7	46.6	36.2	29.4	23.9	20.2	17.8	15.6	14.4
33°	111.5	72.0	51.5	40.4	31.6	25.7	21.4	18.4	16.2	14.1	12.9
34°	76.6	57.9	44.7	34.9	27.6	23.0	19.3	16.5	14.4	12.6	11.3
35°	64.6	50.6	38.6	30.0	23.9	20.2	17.2	14.7	12.6	11.0	9.8
36°	55.8	43.8	33.1	26.3	20.8	17.5	15.0	12.6	10.7	9.2	8.6
37°	48.1	37.7	28.5	22.7	17.8	14.7	12.3	10.4	9.2	8.0	7.4
38°	41.7	31.9	24.2	19.3	14.7	11.9	10.1	8.6	7.7	6.7	6.1
39°	35.5	26.7	19.6	15.3	11.6	9.8	8.3	7.4	6.4	5.8	5.2
40°	29.4	21.1	15.0	11.9	9.2	8.0	6.7	6.1	5.2	4.9	4.6
42.5°	13.8	10.1	8.0	6.7	5.5	4.9	4.3	3.7	3.4	3.1	3.1
45°	7.0	5.8	4.3	3.7	3.1	2.8	2.5	2.1	2.1	2.1	2.1
47.5°	3.7	2.8	2.1	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50°	1.8	1.2	1.2	1.2	0.9	1.2	1.2	1.2	1.2	1.5	1.5
51°	1.2	1.2	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.5	1.5
52°	1.2	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.5	1.5
53°	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.5	1.5
54°	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.5	1.5
55°	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.5
57.5°	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.5
60°	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.5



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
64°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
66°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2.5°	76.6	73.8	74.1	72.6	60.7	54.2	50.9	48.4
5°	77.2	73.2	72.3	69.9	50.6	43.2	40.1	38.6
7.5°	75.1	69.9	68.0	64.6	42.9	36.2	33.7	32.5
10°	70.2	64.3	61.3	57.3	36.8	31.3	28.8	27.9
11°	67.7	61.6	58.5	54.5	34.6	29.4	27.3	26.3
12°	65.0	58.5	55.8	51.5	32.5	27.6	25.7	24.8
13°	61.9	55.5	52.7	48.7	30.3	26.0	24.5	23.6
14°	58.2	52.4	49.6	46.0	28.5	24.5	23.3	22.7
15°	54.8	49.3	46.3	42.6	27.0	23.3	22.4	21.8
17.5°	46.0	41.1	38.6	35.5	22.7	19.9	19.9	19.6
20°	37.7	33.4	31.6	29.1	19.0	17.5	17.8	17.8
21°	34.6	30.9	29.1	27.0	18.1	16.5	17.2	17.2
22°	31.6	28.2	27.0	24.8	16.9	15.6	16.5	16.5
23°	29.1	25.7	24.8	23.0	15.6	15.0	15.9	15.9
24°	26.7	23.9	22.7	21.1	14.7	14.1	15.3	15.6
25°	24.5	21.8	20.8	19.6	13.8	13.5	14.7	15.0
26°	22.4	19.9	19.3	18.1	12.9	12.9	14.1	14.7
27°	20.5	18.7	17.8	16.5	11.9	12.3	13.8	14.1
28°	19.0	17.2	16.2	15.3	11.0	11.6	13.2	13.8
29°	17.5	15.6	15.0	14.1	10.4	11.0	12.6	13.5
30°	15.9	14.4	13.8	12.9	9.8	10.4	12.3	13.2
31°	14.7	13.2	12.6	11.6	9.2	10.1	11.6	12.6
32°	13.2	11.9	11.3	10.7	8.6	9.5	11.3	12.3
33°	11.9	10.4	10.1	9.5	8.3	9.2	11.0	11.6
34°	10.4	9.2	8.9	8.6	7.7	8.6	10.4	11.3
35°	8.9	8.3	8.0	7.7	7.0	8.3	10.1	11.0
36°	8.0	7.0	7.0	6.7	6.7	8.0	9.8	10.7
37°	6.7	6.4	6.1	6.1	6.1	7.4	9.2	10.4
38°	5.8	5.5	5.5	5.5	5.8	7.0	8.9	10.1
39°	4.9	4.9	4.9	4.9	5.5	6.7	8.6	9.8
40°	4.3	4.3	4.3	4.3	5.2	6.4	8.3	9.5
42.5°	3.1	3.1	3.1	3.4	4.3	5.8	7.4	8.9
45°	2.5	2.5	2.5	2.8	4.0	5.2	6.7	8.0
47.5°	1.8	1.8	2.1	2.5	3.4	4.6	6.1	7.4
50°	1.5	1.8	1.8	2.1	3.1	4.3	5.2	6.4
51°	1.5	1.5	1.8	1.8	2.8	4.0	4.9	6.1
52°	1.5	1.5	1.8	1.8	2.8	3.7	4.9	5.5
53°	1.5	1.5	1.8	1.8	2.8	3.7	4.6	5.2
54°	1.5	1.5	1.8	1.8	2.5	3.4	4.3	4.9
55°	1.5	1.5	1.8	1.8	2.5	3.4	4.3	4.3
57.5°	1.5	1.5	1.5	1.8	2.1	3.1	3.7	3.7
60°	1.5	1.5	1.5	1.5	2.1	2.8	3.4	2.5



TEST NUMBER: P208880

CATALOG NUMBER: LDSQA6A10927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	1.5	1.5	1.5	1.5	1.8	2.5	2.8	1.8
64°	1.5	1.5	1.5	1.8	1.8	2.5	2.5	1.8
65°	1.5	1.5	1.5	1.5	1.8	2.1	2.5	1.8
66°	1.5	1.5	1.5	1.5	1.8	2.1	2.1	1.8
67.5°	1.5	1.5	1.5	1.5	1.8	2.1	2.1	1.5
70°	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.8	1.5	1.2
75°	1.5	1.5	1.8	1.8	1.5	1.5	1.2	1.2
77.5°	1.5	1.5	1.8	1.8	1.5	1.5	1.2	0.9
80°	1.5	1.5	1.8	1.8	1.5	1.2	0.9	0.9
82.5°	1.5	1.5	1.8	1.8	1.5	1.2	0.9	0.6
85°	1.5	1.5	1.8	1.8	1.5	1.2	0.6	0.6
87.5°	1.5	1.5	1.8	1.8	1.5	0.9	0.6	0.3
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°	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.5	1.5
62°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9





61°	1.5	1.5	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
62°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





61°	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
62°	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5





61°	1.5	1.5	1.5	1.5	2.1	2.8	3.1	2.1
62°	1.5	1.5	1.5	1.5	2.1	2.8	2.8	2.1



(END OF REPORT)