

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: P175559

Luminaire Tested: **LDA6A30827D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26296)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A30827D010TE LAR35FL 6LLWW1
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1770.5 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 1.13 / 1.63
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

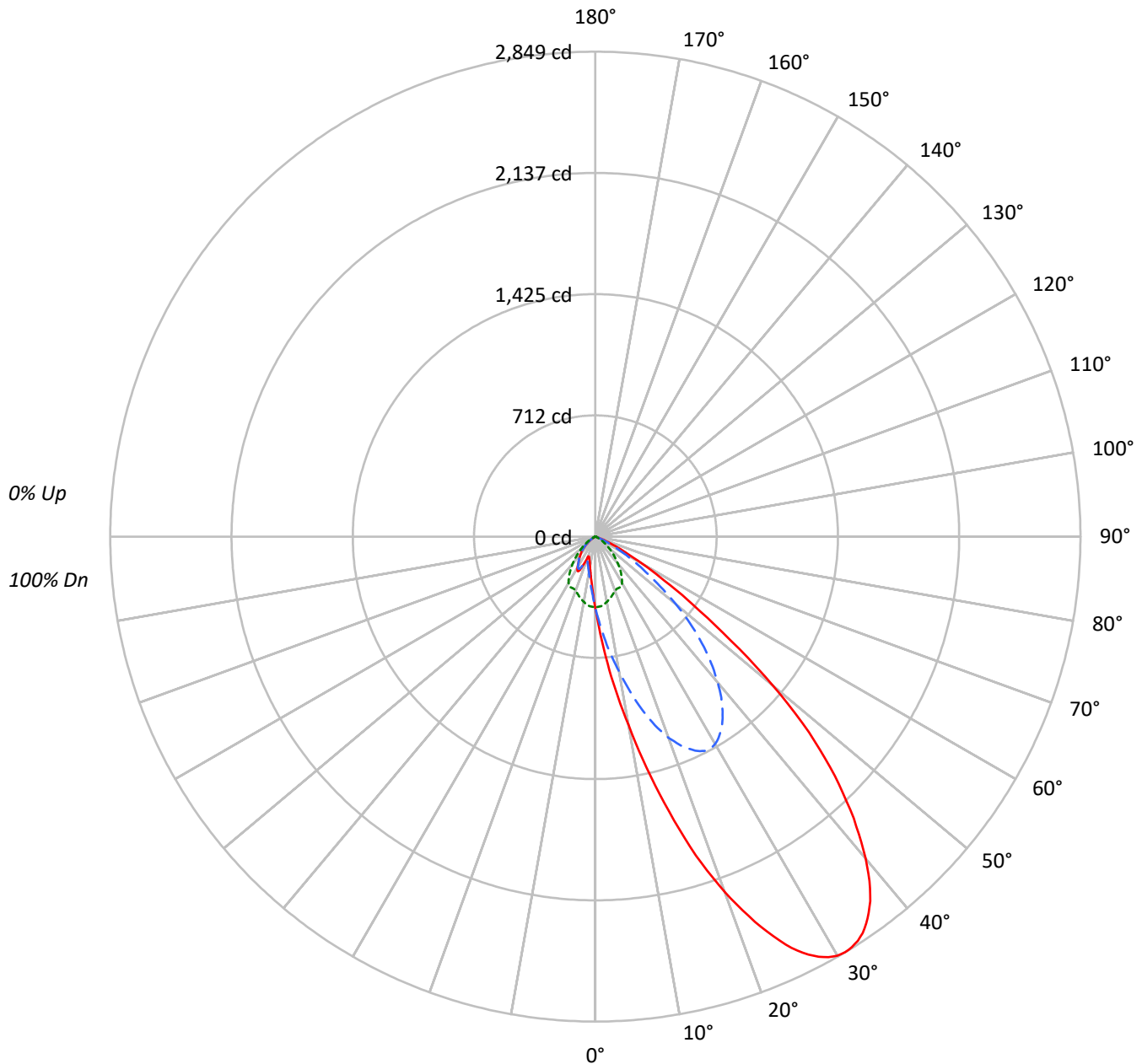
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102		109	106	103	100		102	99	97		98	96	94		94	93	92
2	104	97	92	87		101	96	91	86		92	88	85		89	86	83		86	83	81
3	96	88	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	89	79	71	66		87	78	71	65		75	69	65		73	68	64		71	67	63
5	82	71	63	58		80	70	63	57		68	62	57		66	61	56		65	60	56
6	76	64	57	51		75	64	56	51		62	55	50		60	54	50		59	54	49
7	71	59	51	45		69	58	50	45		56	50	45		55	49	44		54	48	44
8	66	53	46	40		64	53	45	40		52	45	40		50	44	40		49	44	40
9	61	49	41	36		60	48	41	36		47	41	36		46	40	36		45	40	36
10	57	45	38	33		56	45	37	33		44	37	32		43	37	32		42	36	32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22926	22926	22926
5°	39021	22535	14407
10°	62657	21665	9931
15°	94949	20693	7679
20°	129634	19736	7176
25°	160025	20039	13126
30°	179926	19857	13293
35°	185638	17641	11169
40°	176753	14713	9618
45°	154225	11714	7900
50°	116303	8844	5245
55°	67180	6126	2772
60°	34778	3848	866
65°	15047	1712	454
70°	5065	850	417
75°	1673	741	551
80°	1105	821	568
85°	566	1635	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	2.5
10°-20°	180.6	10.2
20°-30°	384.7	21.7
30°-40°	499.4	28.2
40°-50°	418.8	23.7
50°-60°	193.1	10.9
60°-70°	41.7	2.4
70°-80°	5.4	0.3
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°	610.1	34.5
0°-40°	1109.5	62.7
0°-60°	1721.5	97.2
0°-90°	1770.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	418	418	418	418	418	
5°	709	593	410	294	262	81
15°	1673	1049	365	169	135	491
25°	2646	1387	331	200	217	1214
35°	2774	1302	264	169	167	1713
45°	1989	886	151	105	102	1509
55°	703	362	64	38	29	668
65°	116	67	13	5	4	133
75°	8	5	4	4	3	12
85°	1	2	3	3	2	1
90°	0	0	0	0	0	



TEST NUMBER: P175559

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	541.3	533.3	540.4	540.4	536.0	532.5	538.6	530.7	535.1	527.2	527.2
5°	709.1	688.9	698.5	697.7	689.7	691.5	688.9	677.4	680.1	667.8	664.3
7.5°	905.9	884.8	895.3	892.7	881.3	880.4	876.0	857.6	857.6	839.1	829.5
10°	1125.6	1109.7	1122.0	1116.8	1102.7	1096.6	1089.5	1064.1	1058.8	1030.7	1014.8
12.5°	1390.9	1383.0	1369.8	1361.0	1354.9	1345.2	1332.9	1299.5	1287.2	1249.4	1224.8
15°	1673.0	1669.4	1654.5	1656.3	1632.5	1604.4	1611.5	1556.1	1535.0	1485.8	1452.4
17.5°	1965.6	1955.0	1940.9	1921.6	1909.3	1875.9	1861.0	1809.2	1778.4	1716.9	1675.6
20°	2222.1	2217.7	2205.4	2180.8	2162.4	2124.6	2100.9	2041.1	1998.1	1926.0	1875.9
22.5°	2450.6	2443.5	2432.1	2402.2	2380.3	2335.5	2305.6	2237.1	2184.3	2102.6	2042.0
25°	2645.6	2632.5	2622.8	2586.8	2563.0	2510.3	2475.2	2398.7	2336.3	2245.8	2175.6
26°	2706.3	2694.8	2686.0	2648.3	2622.8	2567.4	2530.5	2450.6	2383.8	2291.5	2216.8
27°	2756.3	2746.7	2739.6	2700.1	2672.9	2615.8	2575.3	2494.5	2423.3	2328.4	2251.1
28°	2795.9	2787.1	2780.1	2738.8	2710.7	2651.8	2608.7	2526.1	2451.4	2353.9	2274.8
29°	2824.9	2816.1	2810.8	2766.9	2738.8	2678.1	2633.3	2548.1	2470.8	2371.5	2289.8
30°	2842.4	2833.7	2828.4	2782.7	2754.6	2693.1	2644.8	2559.5	2478.7	2378.5	2295.0
31°	2848.6	2838.9	2835.4	2788.9	2759.0	2695.7	2647.4	2559.5	2476.9	2375.9	2290.7
32°	2843.3	2834.5	2831.9	2784.5	2753.7	2689.6	2640.4	2551.6	2467.3	2365.3	2278.4
33°	2831.0	2822.2	2820.5	2772.2	2741.4	2675.5	2627.2	2536.7	2450.6	2347.8	2260.8
34°	2808.2	2799.4	2799.4	2750.2	2718.6	2652.7	2604.3	2513.8	2425.1	2323.2	2235.3
35°	2773.9	2770.4	2766.9	2716.8	2685.2	2619.3	2570.9	2479.6	2390.8	2289.8	2200.2
36°	2731.7	2729.1	2725.6	2675.5	2643.0	2577.1	2530.5	2439.1	2349.5	2249.4	2160.6
37°	2681.7	2679.9	2677.3	2627.2	2594.7	2529.6	2482.2	2392.6	2303.0	2203.7	2114.9
38°	2621.0	2621.0	2618.4	2568.3	2535.8	2471.7	2426.0	2336.3	2247.6	2150.1	2063.1
39°	2549.0	2550.7	2549.0	2498.9	2466.4	2403.1	2359.2	2272.2	2183.5	2088.6	2010.4
40°	2469.9	2472.5	2471.7	2422.5	2389.9	2328.4	2286.3	2201.0	2122.0	2020.9	1945.3
42.5°	2245.8	2250.2	2251.1	2204.5	2173.8	2116.7	2078.9	2000.7	1918.1	1833.8	1765.2
45°	1989.3	1997.2	1998.9	1956.8	1928.6	1876.8	1845.2	1774.9	1713.4	1626.4	1566.6
47.5°	1702.0	1713.4	1717.8	1679.1	1651.9	1607.1	1583.3	1523.6	1470.0	1391.8	1341.7
50°	1363.7	1376.9	1366.3	1350.5	1327.6	1292.5	1278.4	1230.1	1173.0	1122.9	1087.8
51°	1216.9	1231.0	1238.9	1208.2	1188.8	1157.2	1146.6	1105.3	1054.4	1011.3	981.5
52°	1072.8	1087.8	1095.7	1068.4	1051.8	1025.4	1019.2	983.2	938.4	902.4	877.8
53°	937.5	951.6	942.8	936.6	921.7	899.7	896.2	866.4	827.7	797.8	778.5
54°	813.6	825.9	834.7	814.5	801.3	782.9	782.0	757.4	724.9	699.4	685.4
55°	702.9	714.3	722.3	705.6	694.1	678.3	678.3	658.1	630.9	609.8	599.2
57.5°	480.6	488.5	495.6	483.3	475.4	465.7	467.4	455.1	436.7	423.5	417.4
60°	317.2	323.3	327.7	319.8	315.4	309.3	311.0	303.1	297.0	282.9	280.3
61°	264.5	270.6	275.0	268.0	269.7	258.3	261.0	253.9	248.7	242.5	235.5
62°	218.8	224.1	227.6	221.4	223.2	213.5	216.1	210.9	206.5	200.3	195.1
63°	178.4	182.8	186.3	185.4	182.8	174.9	176.6	172.2	168.7	164.3	159.9
64°	145.0	148.5	151.1	151.1	148.5	141.5	143.2	138.8	137.1	132.7	129.2
65°	116.0	118.6	120.4	120.4	118.6	113.3	114.2	111.6	109.0	106.3	103.7
66°	91.4	94.0	95.8	95.8	94.0	89.6	90.5	87.9	86.1	83.5	81.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	14.9	15.8	15.8	15.8	15.8	14.9	14.9	14.9	14.1	14.1	13.2
75°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.0	7.0	7.0	7.0
77.5°	5.3	5.3	5.3	5.3	5.3	4.4	4.4	4.4	4.4	4.4	4.4
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6
82.5°	1.8	2.6	2.6	2.6	2.6	1.8	1.8	1.8	2.6	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	524.6	520.2	519.3	513.1	503.5	508.7	497.3	497.3	492.9	491.2	483.3
5°	656.4	647.6	642.3	630.0	620.3	616.8	598.4	593.1	582.5	574.6	560.6
7.5°	816.3	799.6	787.3	767.9	749.5	740.7	712.6	699.4	681.8	666.0	644.1
10°	992.9	967.4	947.2	918.2	890.1	872.5	833.8	805.7	783.8	758.3	727.5
12.5°	1192.3	1156.3	1125.6	1084.3	1044.7	1017.5	965.6	925.2	892.7	856.7	815.4
15°	1405.8	1357.5	1315.3	1260.0	1200.2	1167.7	1102.7	1049.1	1005.2	956.9	902.4
17.5°	1613.2	1551.7	1495.5	1426.9	1355.8	1301.3	1230.1	1162.5	1105.3	1042.1	979.7
20°	1798.6	1723.9	1654.5	1572.8	1491.1	1423.4	1339.1	1258.2	1188.8	1115.9	1042.1
22.5°	1953.3	1866.3	1784.5	1692.3	1599.2	1521.0	1424.3	1332.9	1253.0	1171.2	1086.9
25°	2075.4	1978.7	1887.4	1784.5	1682.6	1595.6	1488.4	1387.4	1299.5	1209.9	1118.5
26°	2114.0	2013.0	1918.1	1808.3	1707.2	1616.7	1506.9	1402.3	1311.8	1220.5	1126.4
27°	2143.9	2039.4	1940.9	1830.2	1725.7	1632.5	1519.2	1412.9	1318.9	1225.7	1130.0
28°	2164.1	2056.9	1955.0	1842.5	1736.2	1640.4	1525.3	1416.4	1320.6	1226.6	1129.1
29°	2177.3	2066.6	1962.0	1849.6	1740.6	1642.2	1525.3	1414.6	1318.0	1222.2	1123.8
30°	2179.9	2067.5	1961.2	1846.9	1736.2	1636.9	1518.3	1406.7	1308.3	1212.5	1113.3
31°	2175.6	2059.6	1951.5	1838.1	1726.6	1624.6	1506.0	1394.4	1296.9	1199.4	1099.2
32°	2162.4	2045.5	1936.6	1822.3	1709.9	1607.9	1489.3	1376.0	1278.4	1181.8	1081.6
33°	2144.8	2025.3	1915.5	1801.2	1689.7	1586.9	1468.2	1355.8	1258.2	1160.7	1061.4
34°	2120.2	1999.8	1889.1	1776.6	1664.2	1561.4	1442.8	1331.2	1233.6	1137.0	1038.6
35°	2086.8	1965.6	1855.7	1745.0	1632.5	1530.6	1412.9	1302.2	1206.4	1110.6	1013.1
36°	2048.1	1928.6	1817.9	1708.1	1596.5	1495.5	1380.4	1270.5	1175.6	1080.7	985.0
37°	2005.1	1885.6	1776.6	1668.6	1558.7	1458.6	1345.2	1237.1	1144.0	1050.0	956.0
38°	1955.0	1836.4	1729.2	1623.8	1515.7	1417.3	1306.6	1200.2	1108.9	1016.6	924.3
39°	1897.0	1781.0	1675.6	1573.7	1468.2	1371.6	1263.5	1159.8	1070.2	980.6	890.1
40°	1834.6	1722.2	1619.4	1520.1	1417.3	1323.3	1217.8	1117.6	1030.7	942.8	854.9
42.5°	1664.2	1558.7	1463.8	1375.1	1280.2	1193.2	1098.3	1006.1	925.2	844.4	763.6
45°	1477.0	1381.2	1296.0	1217.8	1131.7	1054.4	969.2	885.7	812.8	738.9	666.9
47.5°	1265.3	1180.9	1107.1	1041.2	966.5	898.9	825.9	753.9	689.7	625.6	562.3
50°	1027.1	958.6	900.6	847.9	788.2	732.8	673.9	615.1	562.3	507.9	455.1
51°	929.6	868.1	815.4	770.6	715.2	666.0	613.3	559.7	511.4	462.2	413.0
52°	833.0	779.4	733.7	694.1	645.8	601.9	554.4	506.1	462.2	417.4	371.7
53°	740.7	694.1	654.6	621.2	579.0	540.4	498.2	456.0	415.6	375.2	333.9
54°	653.7	614.2	580.8	552.7	515.8	481.5	445.5	407.7	371.7	333.9	296.1
55°	572.9	539.5	511.4	487.7	456.0	426.1	395.4	362.0	329.5	295.2	266.2
57.5°	401.5	379.6	361.1	346.2	325.1	310.2	283.8	261.0	240.8	210.9	188.9
60°	270.6	255.7	244.3	235.5	221.4	213.5	195.1	178.4	165.2	143.2	127.4
61°	227.6	215.3	205.6	198.6	187.2	180.1	164.3	151.1	138.8	120.4	106.3
62°	188.9	178.4	174.9	165.2	155.5	150.3	137.1	125.6	116.0	99.3	87.9
63°	154.6	145.9	143.2	135.3	127.4	123.9	112.5	103.7	94.9	80.8	72.0
64°	124.8	117.7	116.0	109.8	103.7	100.2	91.4	83.5	76.4	65.0	58.0
65°	99.3	96.7	92.3	87.9	82.6	80.0	72.9	66.8	60.6	51.8	46.6
66°	78.2	76.4	72.0	68.5	64.1	62.4	56.2	51.8	47.4	40.4	36.9



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	12.3	12.3	11.4	11.4	9.7	9.7	8.8	7.9	7.9	7.0	7.0
75°	6.2	6.2	6.2	6.2	5.3	5.3	5.3	5.3	4.4	4.4	4.4
77.5°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
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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CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	480.6	472.7	469.2	466.6	461.3	456.9	450.8	447.2	439.3	440.2	430.5
5°	551.8	537.7	529.0	519.3	508.7	499.1	486.8	478.0	464.8	460.4	445.5
7.5°	627.4	605.4	590.5	572.9	556.2	539.5	520.2	505.2	487.7	476.2	456.0
10°	702.0	674.8	647.6	622.1	597.5	573.8	547.4	527.2	502.6	485.9	461.3
12.5°	779.4	738.9	705.6	672.2	638.8	608.0	574.6	546.5	514.9	493.8	463.9
15°	855.8	804.8	762.7	719.6	678.3	638.8	598.4	564.1	527.2	500.0	464.8
17.5°	922.6	862.0	810.1	756.5	709.1	662.5	614.2	574.6	532.5	500.8	462.2
20°	974.4	905.0	845.3	783.8	729.3	675.7	623.0	579.0	532.5	497.3	455.1
22.5°	1010.5	934.9	868.1	801.3	740.7	683.6	625.6	579.0	529.8	492.0	449.9
25°	1035.1	955.1	883.0	811.9	747.7	687.1	627.4	578.2	528.1	490.3	446.4
26°	1040.3	958.6	885.7	812.8	747.7	686.2	625.6	576.4	526.3	488.5	444.6
27°	1042.1	959.5	884.8	811.9	746.0	683.6	623.0	573.8	522.8	485.0	442.0
28°	1039.4	956.9	881.3	807.5	741.6	678.3	617.7	568.5	517.5	480.6	436.7
29°	1033.3	949.8	874.3	800.5	734.6	670.4	609.8	561.5	510.5	473.6	430.5
30°	1022.8	939.3	863.7	789.0	723.1	659.9	599.2	550.9	500.8	463.9	420.9
31°	1008.7	926.1	850.5	775.9	710.0	647.6	586.9	539.5	489.4	453.4	410.3
32°	991.1	911.2	833.8	760.0	694.1	632.6	572.9	525.4	476.2	440.2	398.0
33°	970.9	892.7	815.4	742.5	678.3	616.8	557.1	510.5	463.1	427.0	385.7
34°	948.9	872.5	795.2	724.0	659.9	599.2	541.3	495.6	448.1	413.0	373.4
35°	924.3	849.7	773.2	702.0	640.5	580.8	523.7	478.9	432.3	398.0	359.4
36°	898.0	825.1	749.5	682.7	619.5	560.6	506.1	461.3	415.6	382.2	344.4
37°	870.7	799.6	725.8	660.7	598.4	541.3	487.7	443.7	399.8	367.3	330.4
38°	840.9	772.3	699.4	637.0	575.5	520.2	467.4	425.3	383.1	351.5	315.4
39°	809.2	739.8	672.2	611.5	551.8	498.2	447.2	406.8	364.6	334.8	299.6
40°	776.7	709.1	644.1	585.2	527.2	476.2	426.1	386.6	347.1	317.2	283.8
42.5°	692.4	630.9	570.2	517.5	463.1	416.5	370.8	334.8	298.7	272.4	242.5
45°	602.8	548.3	492.9	445.5	396.3	354.1	313.7	281.2	248.7	226.7	201.2
47.5°	511.4	458.7	410.3	368.2	328.6	288.2	253.9	225.8	199.5	181.9	163.4
50°	407.7	369.0	326.9	291.7	254.8	224.9	195.9	175.7	156.4	145.0	130.9
51°	369.0	333.0	294.3	261.8	227.6	200.3	175.7	158.2	141.5	131.8	119.5
52°	336.5	298.7	262.7	232.8	204.7	178.4	157.3	142.3	128.3	119.5	108.1
53°	297.0	267.1	233.7	206.5	181.0	158.2	140.6	127.4	115.1	108.1	98.4
54°	263.6	236.4	205.6	181.0	159.9	140.6	124.8	114.2	103.7	96.7	88.7
55°	232.0	210.9	179.2	158.2	140.6	123.9	111.6	101.9	92.3	87.0	79.1
57.5°	162.6	144.1	124.8	112.5	101.0	90.5	81.7	74.7	68.5	65.0	58.9
60°	108.1	96.7	85.2	77.3	70.3	64.1	58.0	52.7	48.3	46.6	42.2
61°	90.5	81.7	72.0	66.8	60.6	54.5	49.2	45.7	42.2	40.4	36.9
62°	77.3	68.5	60.6	56.2	51.0	46.6	42.2	38.7	36.0	34.3	31.6
63°	63.3	57.1	51.0	47.4	43.1	38.7	36.0	32.5	30.8	29.0	26.4
64°	51.8	46.6	42.2	38.7	36.0	31.6	29.9	27.2	24.6	24.6	22.0
65°	42.2	37.8	34.3	31.6	29.0	26.4	24.6	22.0	20.2	19.3	17.6
66°	33.4	29.9	27.2	25.5	22.8	21.1	19.3	17.6	15.8	15.8	14.1



TEST NUMBER: P175559

CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	6.2	6.2	6.2	5.3	5.3	5.3	5.3	4.4	4.4	4.4	4.4
75°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P175559

CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	427.9	426.1	415.6	412.1	376.1	345.3	333.0	325.1
5°	438.4	431.4	416.5	409.5	341.8	293.5	271.5	261.8
7.5°	444.6	432.3	412.1	401.5	308.4	250.4	223.2	213.5
10°	443.7	427.9	404.2	389.2	277.7	215.3	188.0	178.4
12.5°	442.8	422.6	395.4	376.9	252.2	189.8	161.7	152.9
15°	440.2	415.6	385.7	364.6	230.2	168.7	143.2	135.3
17.5°	433.2	406.8	373.4	350.6	211.8	152.9	130.9	123.0
20°	424.4	395.4	362.0	338.3	200.3	146.7	128.3	123.0
22.5°	417.4	387.5	354.1	331.3	203.8	165.2	164.3	167.8
25°	414.7	385.7	352.3	331.3	221.4	199.5	210.9	217.0
26°	413.0	384.9	352.3	331.3	226.7	208.2	218.8	225.8
27°	410.3	382.2	350.6	329.5	229.3	212.6	222.3	227.6
28°	405.9	377.8	346.2	326.9	229.3	212.6	220.5	224.9
29°	399.8	372.5	340.9	321.6	226.7	209.1	215.3	218.8
30°	391.0	363.8	333.0	313.7	220.5	203.8	207.4	210.0
31°	380.5	354.1	323.3	304.9	214.4	196.8	199.5	201.2
32°	369.0	342.7	312.8	295.2	206.5	188.9	190.7	191.5
33°	356.7	331.3	302.3	284.7	199.5	181.9	181.9	182.8
34°	344.4	319.0	292.6	274.1	192.4	175.7	174.0	174.9
35°	332.1	306.7	281.2	263.6	185.4	168.7	166.9	166.9
36°	318.1	293.5	268.9	252.2	178.4	163.4	159.9	159.9
37°	304.9	281.2	257.4	240.8	170.5	157.3	153.8	152.9
38°	290.8	268.0	245.1	229.3	163.4	151.1	147.6	146.7
39°	276.8	254.8	232.8	217.9	156.4	145.0	142.3	140.6
40°	261.8	240.8	220.5	205.6	149.4	137.9	136.2	134.4
42.5°	223.2	204.7	188.0	177.5	131.8	121.3	118.6	119.5
45°	185.4	171.3	158.2	151.1	114.2	104.6	101.9	101.9
47.5°	152.0	141.5	132.7	125.6	95.8	87.0	84.4	80.8
50°	123.0	115.1	108.1	103.7	79.1	70.3	65.0	61.5
51°	112.5	105.4	99.3	94.9	72.0	63.3	57.1	53.6
52°	101.9	95.8	90.5	87.0	65.0	56.2	50.1	46.6
53°	92.3	87.0	82.6	79.1	58.9	50.1	43.9	40.4
54°	83.5	78.2	74.7	71.2	52.7	43.9	36.9	34.3
55°	75.6	70.3	67.7	64.1	46.6	37.8	30.8	29.0
57.5°	56.2	52.7	51.0	48.3	34.3	24.6	18.5	15.8
60°	40.4	37.8	36.9	35.1	22.0	13.2	9.7	7.9
61°	35.1	33.4	31.6	29.9	17.6	10.5	7.9	7.0
62°	29.9	28.1	26.4	25.5	14.1	8.8	7.0	6.2
63°	24.6	23.7	22.0	21.1	11.4	7.0	6.2	5.3
64°	20.2	19.3	17.6	16.7	9.7	6.2	5.3	4.4
65°	16.7	15.8	14.1	13.2	7.9	5.3	4.4	3.5
66°	13.2	12.3	11.4	10.5	7.0	5.3	3.5	3.5



TEST NUMBER: P175559

CATALOG NUMBER: LDA6A30827D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	2.6
75°	3.5	3.5	3.5	3.5	3.5	3.5	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	3.5	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8
85°	2.6	2.6	2.6	2.6	2.6	2.6	1.8	1.8
87.5°	1.8	2.6	2.6	2.6	2.6	1.8	0.9	0.9
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°







67.5°	63.3	65.0	65.9	65.9	65.0	61.5	62.4	60.6	58.9	57.1	55.4
70°	31.6	32.5	33.4	33.4	32.5	30.8	31.6	30.8	29.9	29.0	27.2





67.5°	53.6	51.8	49.2	46.6	43.1	42.2	37.8	34.3	31.6	27.2	25.5
70°	26.4	25.5	23.7	22.0	21.1	20.2	17.6	16.7	14.9	13.2	12.3





67.5°	22.8	20.2	18.5	17.6	15.8	14.9	14.1	12.3	11.4	11.4	10.5
70°	11.4	10.5	9.7	9.7	8.8	7.9	7.9	7.0	7.0	7.0	6.2





67.5°	9.7	9.7	8.8	7.9	5.3	4.4	3.5	3.5
70°	6.2	6.2	5.3	5.3	4.4	3.5	3.5	2.6



(END OF REPORT)