

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: P175566

Luminaire Tested: **LDA6A30940D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175566
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: LDA6A30940D010TE LAR35FL 6LLWW1
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1773.4 lumens
Efficiency: N/A
Efficacy: 39.9 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

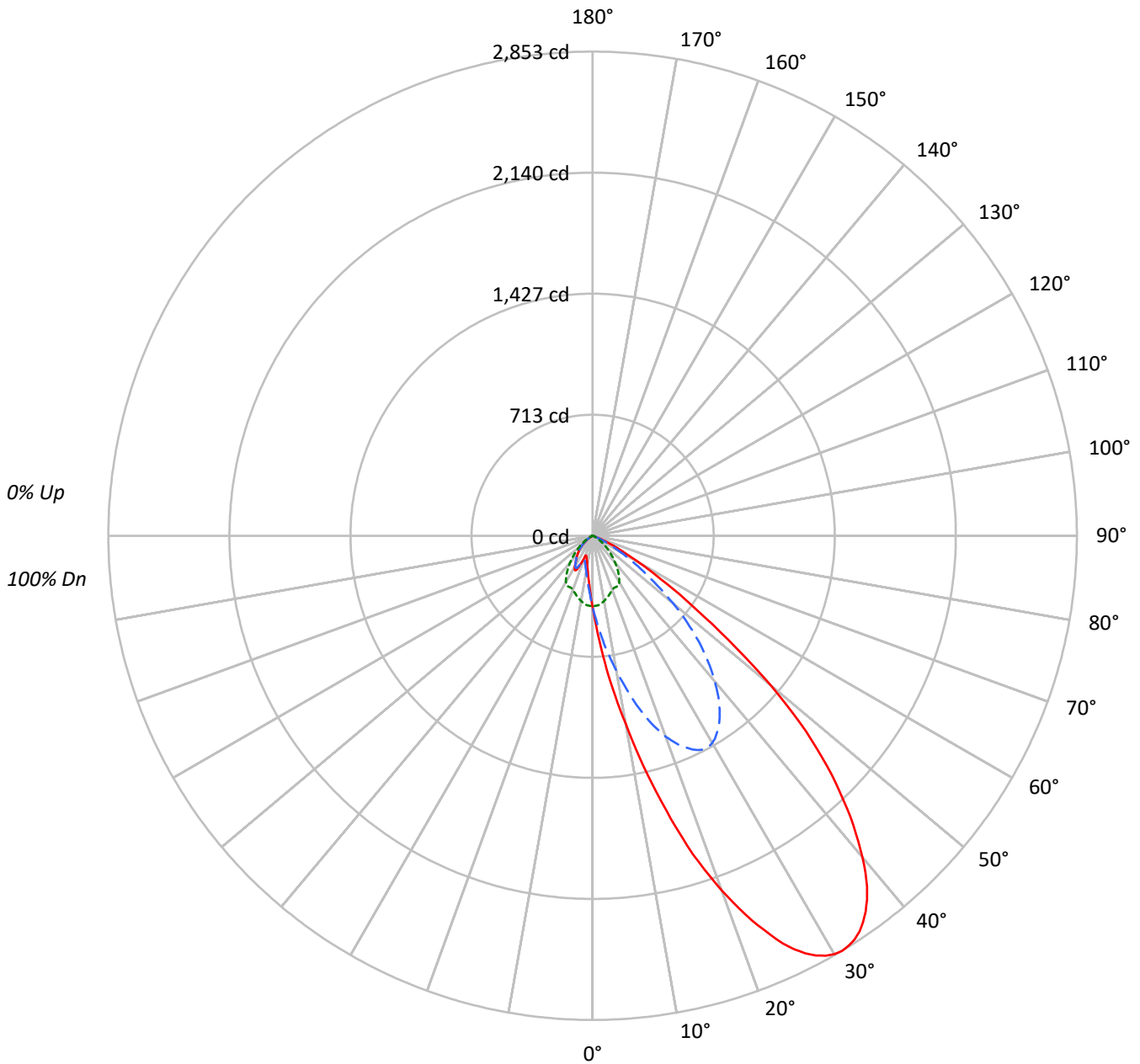
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90								
2	104	97	92	87	101	96	91	86	92	88	85	89	86	83	86	83	81	79								
3	96	88	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61								
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	65	60	56	54								
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38								
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34								
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22964	22964	22964
5°	39082	22568	14434
10°	62758	21704	9947
15°	95103	20727	7690
20°	129850	19765	7187
25°	160292	20070	13150
30°	180224	19889	13312
35°	185946	17668	11190
40°	177046	14735	9639
45°	154481	11738	7916
50°	116491	8861	5254
55°	67295	6136	2772
60°	34833	3859	866
65°	15073	1712	454
70°	5081	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°	45.0	2.5
10°-20°	180.9	10.2
20°-30°	385.3	21.7
30°-40°	500.2	28.2
40°-50°	419.5	23.7
50°-60°	193.5	10.9
60°-70°	41.8	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°	611.2	34.5
0°-40°	1111.4	62.7
0°-60°	1724.4	97.2
0°-90°	1773.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	419	419	419	419	419	
5°	710	594	410	294	262	81
15°	1676	1051	365	169	136	492
25°	2650	1390	332	200	217	1216
35°	2778	1304	264	169	167	1716
45°	1993	887	151	105	102	1511
55°	704	363	64	38	29	669
65°	116	67	13	5	4	134
75°	8	5	4	4	3	12
85°	1	2	3	3	2	1
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°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	542.1	534.2	541.3	541.3	536.9	533.3	539.5	531.6	536.0	528.1	528.1
5°	710.2	690.0	699.7	698.8	690.9	692.6	690.0	678.6	681.2	668.9	665.4
7.5°	907.4	886.3	896.8	894.2	882.7	881.9	877.5	859.0	859.0	840.5	830.8
10°	1127.4	1111.6	1123.9	1118.6	1104.5	1098.4	1091.3	1065.8	1060.5	1032.4	1016.5
12.5°	1393.2	1385.3	1372.1	1363.3	1357.1	1347.4	1335.1	1301.7	1289.4	1251.5	1226.9
15°	1675.7	1672.2	1657.2	1659.0	1635.2	1607.1	1614.1	1558.7	1537.5	1488.3	1454.8
17.5°	1968.8	1958.2	1944.2	1924.8	1912.5	1879.0	1864.1	1812.1	1781.3	1719.7	1678.4
20°	2225.8	2221.4	2209.1	2184.4	2165.9	2128.1	2104.3	2044.5	2001.4	1929.2	1879.0
22.5°	2454.6	2447.6	2436.1	2406.2	2384.2	2339.3	2309.4	2240.7	2187.9	2106.1	2045.4
25°	2650.0	2636.8	2627.1	2591.0	2567.3	2514.5	2479.3	2402.7	2340.2	2249.5	2179.1
26°	2710.7	2699.3	2690.5	2652.6	2627.1	2571.7	2534.7	2454.6	2387.7	2295.3	2220.5
27°	2760.9	2751.2	2744.2	2704.6	2677.3	2620.1	2579.6	2498.6	2427.3	2332.3	2254.8
28°	2800.5	2791.7	2784.7	2743.3	2715.1	2656.2	2613.0	2530.3	2455.5	2357.8	2278.6
29°	2829.5	2820.7	2815.5	2771.5	2743.3	2682.6	2637.7	2552.3	2474.9	2375.4	2293.6
30°	2847.1	2838.3	2833.1	2787.3	2759.1	2697.5	2649.1	2563.7	2482.8	2382.4	2298.8
31°	2853.3	2843.6	2840.1	2793.5	2763.5	2700.2	2651.8	2563.7	2481.0	2379.8	2294.4
32°	2848.0	2839.2	2836.6	2789.1	2758.3	2694.0	2644.7	2555.8	2471.3	2369.2	2282.1
33°	2835.7	2826.9	2825.1	2776.7	2745.9	2679.9	2631.5	2540.9	2454.6	2351.6	2264.5
34°	2812.8	2804.0	2804.0	2754.7	2723.0	2657.0	2608.6	2518.0	2429.1	2327.0	2239.0
35°	2778.5	2775.0	2771.5	2721.3	2689.6	2623.6	2575.2	2483.7	2394.8	2293.6	2203.8
36°	2736.2	2733.6	2730.1	2679.9	2647.4	2581.3	2534.7	2443.2	2353.4	2253.1	2164.2
37°	2686.1	2684.3	2681.7	2631.5	2599.0	2533.8	2486.3	2396.5	2306.8	2207.3	2118.4
38°	2625.4	2625.4	2622.7	2572.5	2540.0	2475.7	2430.0	2340.2	2251.3	2153.6	2066.5
39°	2553.2	2554.9	2553.2	2503.0	2470.5	2407.1	2363.1	2276.0	2187.1	2092.0	2013.7
40°	2474.0	2476.6	2475.7	2426.5	2393.9	2332.3	2290.0	2204.7	2125.5	2024.2	1948.6
42.5°	2249.5	2253.9	2254.8	2208.2	2177.4	2120.2	2082.3	2004.0	1921.3	1836.8	1768.1
45°	1992.6	2000.5	2002.2	1960.0	1931.8	1879.9	1848.2	1777.8	1716.2	1629.1	1569.2
47.5°	1704.8	1716.2	1720.6	1681.9	1654.6	1609.7	1585.9	1526.1	1472.4	1394.1	1343.9
50°	1365.9	1379.1	1368.6	1352.7	1329.8	1294.6	1280.6	1232.1	1174.9	1124.8	1089.6
51°	1218.9	1233.0	1240.9	1210.1	1190.8	1159.1	1148.5	1107.2	1056.1	1013.0	983.1
52°	1074.6	1089.6	1097.5	1070.2	1053.5	1027.1	1020.9	984.8	940.0	903.9	879.2
53°	939.1	953.2	944.4	938.2	923.2	901.2	897.7	867.8	829.1	799.1	779.8
54°	815.0	827.3	836.1	815.9	802.7	784.2	783.3	758.7	726.1	700.6	686.5
55°	704.1	715.5	723.4	706.7	695.3	679.4	679.4	659.2	631.9	610.8	600.2
57.5°	481.4	489.3	496.4	484.1	476.1	466.5	468.2	455.9	437.4	424.2	418.1
60°	317.7	323.9	328.3	320.4	316.0	309.8	311.6	303.6	297.5	283.4	280.8
61°	264.9	271.1	275.5	268.4	270.2	258.8	261.4	254.4	249.1	242.9	235.9
62°	219.1	224.4	227.9	221.8	223.5	213.9	216.5	211.2	206.8	200.7	195.4
63°	178.7	183.1	186.6	185.7	183.1	175.1	176.9	172.5	169.0	164.6	160.2
64°	145.2	148.7	151.4	151.4	148.7	141.7	143.5	139.1	137.3	132.9	129.4
65°	116.2	118.8	120.6	120.6	118.8	113.5	114.4	111.8	109.1	106.5	103.9
66°	91.5	94.2	95.9	95.9	94.2	89.8	90.7	88.0	86.3	83.6	81.8



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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°	15.0	15.8	15.8	15.8	15.8	15.0	15.0	15.0	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



TEST NUMBER: P175566

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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°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	525.4	521.0	520.1	514.0	504.3	509.6	498.1	498.1	493.7	492.0	484.1
5°	657.4	648.6	643.4	631.0	621.4	617.8	599.4	594.1	583.5	575.6	561.5
7.5°	817.6	800.9	788.6	769.2	750.7	741.9	713.8	700.6	683.0	667.1	645.1
10°	994.5	969.0	948.8	919.7	891.5	873.9	835.2	807.1	785.1	759.5	728.7
12.5°	1194.3	1158.2	1127.4	1086.0	1046.4	1019.2	967.2	926.8	894.2	858.1	816.7
15°	1408.2	1359.8	1317.5	1262.1	1202.2	1169.7	1104.5	1050.8	1006.8	958.4	903.9
17.5°	1615.9	1554.3	1497.9	1429.3	1358.0	1303.4	1232.1	1164.4	1107.2	1043.8	981.3
20°	1801.6	1726.8	1657.2	1575.4	1493.5	1425.8	1341.3	1260.3	1190.8	1117.7	1043.8
22.5°	1956.5	1869.3	1787.5	1695.1	1601.8	1523.5	1426.7	1335.1	1255.0	1173.2	1088.7
25°	2078.8	1982.0	1890.5	1787.5	1685.4	1598.3	1490.9	1389.7	1301.7	1211.9	1120.4
26°	2117.5	2016.3	1921.3	1811.3	1710.0	1619.4	1509.4	1404.6	1314.0	1222.5	1128.3
27°	2147.5	2042.7	1944.2	1833.3	1728.5	1635.2	1521.7	1415.2	1321.0	1227.7	1131.8
28°	2167.7	2060.3	1958.2	1845.6	1739.1	1643.2	1527.9	1418.7	1322.8	1228.6	1130.9
29°	2180.9	2070.0	1965.3	1852.6	1743.5	1644.9	1527.9	1417.0	1320.2	1224.2	1125.7
30°	2183.5	2070.9	1964.4	1850.0	1739.1	1639.6	1520.8	1409.0	1310.5	1214.5	1115.1
31°	2179.1	2063.0	1954.7	1841.2	1729.4	1627.3	1508.5	1396.7	1299.0	1201.3	1101.0
32°	2165.9	2048.9	1939.8	1825.3	1712.7	1610.6	1491.8	1378.2	1280.6	1183.7	1083.4
33°	2148.3	2028.6	1918.6	1804.2	1692.4	1589.5	1470.7	1358.0	1260.3	1162.6	1063.2
34°	2123.7	2003.1	1892.2	1779.6	1666.9	1563.9	1445.1	1333.4	1235.7	1138.9	1040.3
35°	2090.3	1968.8	1858.8	1747.9	1635.2	1533.1	1415.2	1304.3	1208.4	1112.5	1014.8
36°	2051.5	1931.8	1820.9	1710.9	1599.2	1497.9	1382.6	1272.6	1177.6	1082.5	986.6
37°	2008.4	1888.7	1779.6	1671.3	1561.3	1461.0	1347.4	1239.2	1145.9	1051.7	957.6
38°	1958.2	1839.4	1732.0	1626.4	1518.2	1419.6	1308.7	1202.2	1110.7	1018.3	925.9
39°	1900.1	1784.0	1678.4	1576.3	1470.7	1373.8	1265.6	1161.7	1072.0	982.2	891.5
40°	1837.7	1725.0	1622.0	1522.6	1419.6	1325.4	1219.8	1119.5	1032.4	944.4	856.3
42.5°	1666.9	1561.3	1466.3	1377.4	1282.3	1195.2	1100.1	1007.7	926.8	845.8	764.8
45°	1479.5	1383.5	1298.2	1219.8	1133.6	1056.1	970.8	887.1	814.1	740.2	668.0
47.5°	1267.4	1182.9	1108.9	1042.9	968.1	900.3	827.3	755.1	690.9	626.6	563.3
50°	1028.8	960.2	902.1	849.3	789.5	734.0	675.0	616.1	563.3	508.7	455.9
51°	931.2	869.5	816.7	771.9	716.4	667.1	614.3	560.6	512.2	462.9	413.6
52°	834.3	780.7	734.9	695.3	646.9	602.9	555.3	506.9	462.9	418.1	372.3
53°	741.9	695.3	655.7	622.2	580.0	541.3	499.0	456.8	416.3	375.8	334.4
54°	654.8	615.2	581.7	553.6	516.6	482.3	446.2	408.4	372.3	334.4	296.6
55°	573.8	540.4	512.2	488.5	456.8	426.9	396.0	362.6	330.0	295.7	266.7
57.5°	402.2	380.2	361.7	346.8	325.6	310.7	284.3	261.4	241.1	211.2	189.2
60°	271.1	256.1	244.7	235.9	221.8	213.9	195.4	178.7	165.5	143.5	127.6
61°	227.9	215.6	205.9	198.9	187.5	180.4	164.6	151.4	139.1	120.6	106.5
62°	189.2	178.7	175.1	165.5	155.8	150.5	137.3	125.9	116.2	99.5	88.0
63°	154.9	146.1	143.5	135.5	127.6	124.1	112.7	103.9	95.1	81.0	72.2
64°	125.0	117.9	116.2	110.0	103.9	100.3	91.5	83.6	76.6	65.1	58.1
65°	99.5	96.8	92.4	88.0	82.7	80.1	73.0	66.9	60.7	51.9	46.6
66°	78.3	76.6	72.2	68.6	64.2	62.5	56.3	51.9	47.5	40.5	37.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
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



TEST NUMBER: P175566

CATALOG NUMBER: LDA6A30940D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	481.4	473.5	470.0	467.3	462.1	457.7	451.5	448.0	440.1	440.9	431.3
5°	552.7	538.6	529.8	520.1	509.6	499.9	487.6	478.8	465.6	461.2	446.2
7.5°	628.4	606.4	591.4	573.8	557.1	540.4	521.0	506.1	488.5	477.0	456.8
10°	703.2	675.9	648.6	623.1	598.5	574.7	548.3	528.1	503.4	486.7	462.1
12.5°	780.7	740.2	706.7	673.3	639.8	609.0	575.6	547.4	515.7	494.6	464.7
15°	857.2	806.2	763.9	720.8	679.4	639.8	599.4	565.0	528.1	500.8	465.6
17.5°	924.1	863.4	811.5	757.8	710.2	663.6	615.2	575.6	533.3	501.7	462.9
20°	976.0	906.5	846.7	785.1	730.5	676.8	624.0	580.0	533.3	498.1	455.9
22.5°	1012.1	936.4	869.5	802.7	741.9	684.7	626.6	580.0	530.7	492.9	450.6
25°	1036.8	956.7	884.5	813.2	749.0	688.2	628.4	579.1	528.9	491.1	447.1
26°	1042.0	960.2	887.1	814.1	749.0	687.4	626.6	577.3	527.2	489.3	445.3
27°	1043.8	961.1	886.3	813.2	747.2	684.7	624.0	574.7	523.7	485.8	442.7
28°	1041.2	958.4	882.7	808.8	742.8	679.4	618.7	569.4	518.4	481.4	437.4
29°	1035.0	951.4	875.7	801.8	735.8	671.5	610.8	562.4	511.3	474.4	431.3
30°	1024.4	940.8	865.1	790.3	724.3	661.0	600.2	551.8	501.7	464.7	421.6
31°	1010.4	927.6	851.9	777.1	711.1	648.6	587.9	540.4	490.2	454.1	411.0
32°	992.8	912.7	835.2	761.3	695.3	633.7	573.8	526.3	477.0	440.9	398.7
33°	972.5	894.2	816.7	743.7	679.4	617.8	558.0	511.3	463.8	427.7	386.4
34°	950.5	873.9	796.5	725.2	661.0	600.2	542.1	496.4	448.9	413.6	374.0
35°	925.9	851.1	774.5	703.2	641.6	581.7	524.5	479.7	433.0	398.7	360.0
36°	899.5	826.4	750.7	683.8	620.5	561.5	506.9	462.1	416.3	382.8	345.0
37°	872.2	800.9	727.0	661.8	599.4	542.1	488.5	444.5	400.4	367.9	330.9
38°	842.3	773.6	700.6	638.1	576.5	521.0	468.2	426.0	383.7	352.0	316.0
39°	810.6	741.0	673.3	612.6	552.7	499.0	448.0	407.5	365.2	335.3	300.1
40°	778.0	710.2	645.1	586.2	528.1	477.0	426.9	387.2	347.6	317.7	284.3
42.5°	693.5	631.9	571.2	518.4	463.8	417.2	371.4	335.3	299.2	272.8	242.9
45°	603.8	549.2	493.7	446.2	396.9	354.7	314.2	281.6	249.1	227.1	201.5
47.5°	512.2	459.4	411.0	368.8	329.2	288.7	254.4	226.2	199.8	182.2	163.7
50°	408.4	369.6	327.4	292.2	255.2	225.3	196.3	176.0	156.7	145.2	131.1
51°	369.6	333.6	294.8	262.3	227.9	200.7	176.0	158.4	141.7	132.0	119.7
52°	337.1	299.2	263.2	233.2	205.1	178.7	157.5	142.6	128.5	119.7	108.3
53°	297.5	267.6	234.1	206.8	181.3	158.4	140.8	127.6	115.3	108.3	98.6
54°	264.0	236.7	205.9	181.3	160.2	140.8	125.0	114.4	103.9	96.8	88.9
55°	232.3	211.2	179.5	158.4	140.8	124.1	111.8	102.1	92.4	87.1	79.2
57.5°	162.8	144.3	125.0	112.7	101.2	90.7	81.8	74.8	68.6	65.1	59.0
60°	108.3	96.8	85.4	77.4	70.4	64.2	58.1	52.8	48.4	46.6	42.2
61°	90.7	81.8	72.2	66.9	60.7	54.6	49.3	45.8	42.2	40.5	37.0
62°	77.4	68.6	60.7	56.3	51.0	46.6	42.2	38.7	36.1	34.3	31.7
63°	63.4	57.2	51.0	47.5	43.1	38.7	36.1	32.6	30.8	29.0	26.4
64°	51.9	46.6	42.2	38.7	36.1	31.7	29.9	27.3	24.6	24.6	22.0
65°	42.2	37.8	34.3	31.7	29.0	26.4	24.6	22.0	20.2	19.4	17.6
66°	33.4	29.9	27.3	25.5	22.9	21.1	19.4	17.6	15.8	15.8	14.1



TEST NUMBER: P175566

CATALOG NUMBER: LDA6A30940D010TE 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: P175566

CATALOG NUMBER: LDA6A30940D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	428.6	426.9	416.3	412.8	376.7	345.9	333.6	325.6
5°	439.2	432.1	417.2	410.1	342.4	294.0	272.0	262.3
7.5°	445.3	433.0	412.8	402.2	308.9	250.8	223.5	213.9
10°	444.5	428.6	404.8	389.9	278.1	215.6	188.3	178.7
12.5°	443.6	423.3	396.0	377.6	252.6	190.1	161.9	153.1
15°	440.9	416.3	386.4	365.2	230.6	169.0	143.5	135.5
17.5°	433.9	407.5	374.0	351.2	212.1	153.1	131.1	123.2
20°	425.1	396.0	362.6	338.8	200.7	147.0	128.5	123.2
22.5°	418.1	388.1	354.7	331.8	204.2	165.5	164.6	168.1
25°	415.4	386.4	352.9	331.8	221.8	199.8	211.2	217.4
26°	413.6	385.5	352.9	331.8	227.1	208.6	219.1	226.2
27°	411.0	382.8	351.2	330.0	229.7	213.0	222.7	227.9
28°	406.6	378.4	346.8	327.4	229.7	213.0	220.9	225.3
29°	400.4	373.2	341.5	322.1	227.1	209.5	215.6	219.1
30°	391.6	364.4	333.6	314.2	220.9	204.2	207.7	210.3
31°	381.1	354.7	323.9	305.4	214.7	197.1	199.8	201.5
32°	369.6	343.2	313.3	295.7	206.8	189.2	191.0	191.9
33°	357.3	331.8	302.8	285.2	199.8	182.2	182.2	183.1
34°	345.0	319.5	293.1	274.6	192.7	176.0	174.3	175.1
35°	332.7	307.2	281.6	264.0	185.7	169.0	167.2	167.2
36°	318.6	294.0	269.3	252.6	178.7	163.7	160.2	160.2
37°	305.4	281.6	257.9	241.1	170.7	157.5	154.0	153.1
38°	291.3	268.4	245.5	229.7	163.7	151.4	147.9	147.0
39°	277.2	255.2	233.2	218.3	156.7	145.2	142.6	140.8
40°	262.3	241.1	220.9	205.9	149.6	138.2	136.4	134.7
42.5°	223.5	205.1	188.3	177.8	132.0	121.5	118.8	119.7
45°	185.7	171.6	158.4	151.4	114.4	104.7	102.1	102.1
47.5°	152.3	141.7	132.9	125.9	95.9	87.1	84.5	81.0
50°	123.2	115.3	108.3	103.9	79.2	70.4	65.1	61.6
51°	112.7	105.6	99.5	95.1	72.2	63.4	57.2	53.7
52°	102.1	95.9	90.7	87.1	65.1	56.3	50.2	46.6
53°	92.4	87.1	82.7	79.2	59.0	50.2	44.0	40.5
54°	83.6	78.3	74.8	71.3	52.8	44.0	37.0	34.3
55°	75.7	70.4	67.8	64.2	46.6	37.8	30.8	29.0
57.5°	56.3	52.8	51.0	48.4	34.3	24.6	18.5	15.8
60°	40.5	37.8	37.0	35.2	22.0	13.2	9.7	7.9
61°	35.2	33.4	31.7	29.9	17.6	10.6	7.9	7.0
62°	29.9	28.2	26.4	25.5	14.1	8.8	7.0	6.2
63°	24.6	23.8	22.0	21.1	11.4	7.0	6.2	5.3
64°	20.2	19.4	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	10.6	7.0	5.3	3.5	3.5



TEST NUMBER: P175566

CATALOG NUMBER: LDA6A30940D010TE 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°	63.4	65.1	66.0	66.0	65.1	61.6	62.5	60.7	59.0	57.2	55.4
70°	31.7	32.6	33.4	33.4	32.6	30.8	31.7	30.8	29.9	29.0	27.3





67.5°	53.7	51.9	49.3	46.6	43.1	42.2	37.8	34.3	31.7	27.3	25.5
70°	26.4	25.5	23.8	22.0	21.1	20.2	17.6	16.7	15.0	13.2	12.3





67.5°	22.9	20.2	18.5	17.6	15.8	15.0	14.1	12.3	11.4	11.4	10.6
70°	11.4	10.6	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)