

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: P175560

Luminaire Tested: **LDA6A30830D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175560  
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: LDA6A30830D010TE LAR35FL 6LLWW1  
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

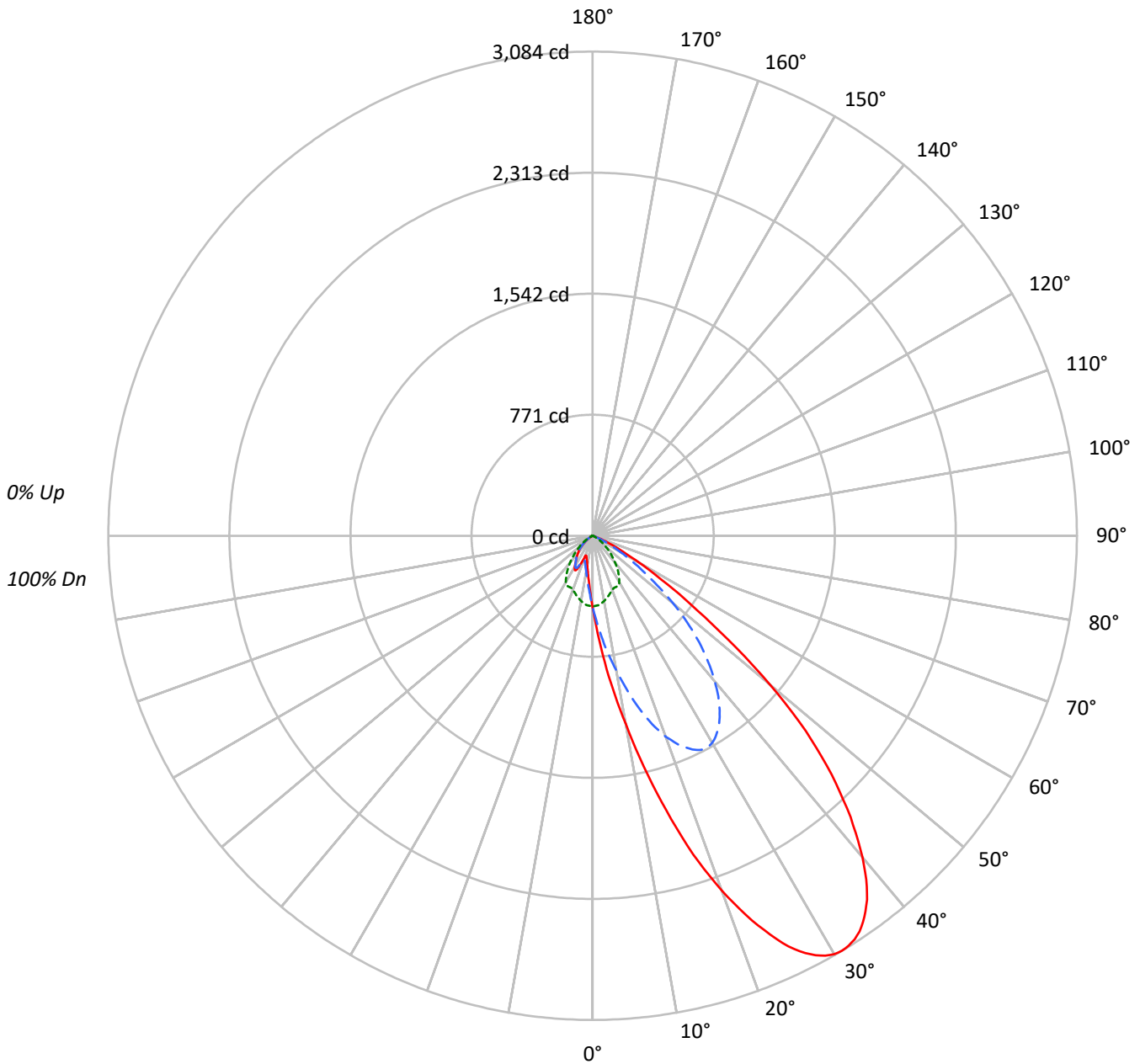
Lumens per Lamp: N/A  
Luminaire Lumens: 1916.7 lumens  
Efficiency: N/A  
Efficacy: 43.1 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 1.13 / 1.63  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 44.49  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P175560  
CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

### 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	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°	24817	24817	24817
5°	42241	24389	15595
10°	67823	23458	10749
15°	102782	22401	8314
20°	140333	21364	7771
25°	173230	21691	14208
30°	194777	21497	14388
35°	200957	19093	12093
40°	191337	15930	10412
45°	166948	12683	8551
50°	125898	9569	5680
55°	72724	6633	3001
60°	37650	4166	943
65°	16292	1855	493
70°	5482	914	465
75°	1822	805	614
80°	1200	916	600
85°	629	1824	1195



TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	2.5
10°-20°	195.5	10.2
20°-30°	416.4	21.7
30°-40°	540.6	28.2
40°-50°	453.4	23.7
50°-60°	209.1	10.9
60°-70°	45.1	2.4
70°-80°	5.9	0.3
80°-90°	2.1	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°	660.5	34.5
0°-40°	1201.1	62.7
0°-60°	1863.6	97.2
0°-90°	1916.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	453	453	453	453	453	
5°	768	642	443	318	283	87
15°	1811	1136	395	183	146	532
25°	2864	1502	359	216	235	1314
35°	3003	1410	285	183	181	1854
45°	2153	959	164	113	110	1634
55°	761	392	69	41	31	723
65°	126	72	14	6	4	144
75°	9	6	4	4	3	13
85°	1	2	3	3	2	1
90°	0	0	0	0	0	



TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	585.9	577.3	585.0	585.0	580.2	576.4	583.1	574.5	579.3	570.7	570.7
5°	767.6	745.7	756.2	755.2	746.7	748.6	745.7	733.3	736.2	722.9	719.1
7.5°	980.6	957.8	969.2	966.4	954.0	953.1	948.3	928.3	928.3	908.3	897.9
10°	1218.4	1201.3	1214.6	1208.9	1193.7	1187.0	1179.4	1151.8	1146.1	1115.7	1098.6
12.5°	1505.7	1497.1	1482.8	1473.3	1466.7	1456.2	1442.9	1406.8	1393.4	1352.5	1325.9
15°	1811.0	1807.2	1791.0	1792.9	1767.2	1736.8	1744.4	1684.5	1661.7	1608.4	1572.3
17.5°	2127.7	2116.3	2101.1	2080.2	2066.9	2030.7	2014.5	1958.4	1925.1	1858.6	1813.8
20°	2405.5	2400.7	2387.4	2360.8	2340.8	2299.9	2274.2	2209.5	2162.9	2084.9	2030.7
22.5°	2652.8	2645.2	2632.8	2600.4	2576.7	2528.2	2495.8	2421.6	2364.6	2276.1	2210.5
25°	2863.9	2849.7	2839.2	2800.2	2774.5	2717.4	2679.4	2596.6	2529.1	2431.1	2355.1
26°	2929.5	2917.2	2907.7	2866.8	2839.2	2779.3	2739.3	2652.8	2580.5	2480.6	2399.8
27°	2983.8	2973.3	2965.7	2922.9	2893.4	2831.6	2787.8	2700.3	2623.3	2520.6	2436.9
28°	3026.6	3017.1	3009.4	2964.7	2934.3	2870.6	2824.0	2734.6	2653.7	2548.1	2462.5
29°	3058.0	3048.4	3042.7	2995.2	2964.7	2899.1	2850.6	2758.3	2674.6	2567.2	2478.7
30°	3077.0	3067.5	3061.8	3012.3	2981.9	2915.3	2863.0	2770.7	2683.2	2574.8	2484.4
31°	3083.6	3073.2	3069.4	3019.0	2986.6	2918.1	2865.8	2770.7	2681.3	2571.9	2479.7
32°	3077.9	3068.4	3065.6	3014.2	2980.9	2911.5	2858.2	2762.1	2670.8	2560.5	2466.3
33°	3064.6	3055.1	3053.2	3000.9	2967.6	2896.3	2843.9	2746.0	2652.8	2541.5	2447.3
34°	3039.9	3030.4	3030.4	2977.1	2942.9	2871.5	2819.2	2721.2	2625.2	2514.8	2419.7
35°	3002.8	2999.0	2995.2	2941.0	2906.7	2835.4	2783.1	2684.1	2588.1	2478.7	2381.7
36°	2957.1	2954.3	2950.5	2896.3	2861.1	2789.7	2739.3	2640.4	2543.4	2434.9	2338.9
37°	2902.9	2901.0	2898.2	2843.9	2808.8	2738.4	2687.0	2590.0	2493.0	2385.5	2289.4
38°	2837.3	2837.3	2834.4	2780.2	2745.0	2675.6	2626.1	2529.1	2433.0	2327.5	2233.3
39°	2759.3	2761.2	2759.3	2705.1	2669.9	2601.4	2553.8	2459.7	2363.6	2260.9	2176.2
40°	2673.7	2676.5	2675.6	2622.3	2587.1	2520.6	2474.9	2382.6	2297.0	2187.6	2105.8
42.5°	2431.1	2435.9	2436.9	2386.4	2353.1	2291.3	2250.4	2165.8	2076.4	1985.1	1910.9
45°	2153.4	2162.0	2163.9	2118.2	2087.8	2031.7	1997.4	1921.3	1854.7	1760.6	1695.9
47.5°	1842.4	1854.7	1859.5	1817.7	1788.2	1739.7	1714.0	1649.3	1591.3	1506.6	1452.4
50°	1476.2	1490.5	1479.0	1461.9	1437.2	1399.1	1383.9	1331.6	1269.8	1215.6	1177.5
51°	1317.3	1332.6	1341.1	1307.8	1286.9	1252.7	1241.3	1196.5	1141.4	1094.8	1062.4
52°	1161.4	1177.5	1186.1	1156.6	1138.5	1110.0	1103.3	1064.3	1015.8	976.8	950.2
53°	1014.9	1030.1	1020.6	1013.9	997.8	974.0	970.2	937.8	896.0	863.6	842.7
54°	880.8	894.1	903.6	881.7	867.5	847.5	846.5	819.9	784.7	757.1	741.9
55°	760.9	773.3	781.8	763.8	751.4	734.3	734.3	712.4	682.9	660.1	648.7
57.5°	520.3	528.8	536.4	523.1	514.6	504.1	506.0	492.7	472.7	458.5	451.8
60°	343.4	350.0	354.8	346.2	341.5	334.8	336.7	328.1	321.5	306.3	303.4
61°	286.3	293.0	297.7	290.1	292.0	279.6	282.5	274.9	269.2	262.5	254.9
62°	236.8	242.5	246.3	239.7	241.6	231.1	234.0	228.3	223.5	216.9	211.2
63°	193.1	197.8	201.6	200.7	197.8	189.3	191.2	186.4	182.6	177.9	173.1
64°	156.9	160.7	163.6	163.6	160.7	153.1	155.0	150.3	148.4	143.6	139.8
65°	125.6	128.4	130.3	130.3	128.4	122.7	123.6	120.8	117.9	115.1	112.2
66°	98.9	101.8	103.7	103.7	101.8	97.0	98.0	95.1	93.2	90.4	88.5



TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	16.2	17.1	17.1	17.1	17.1	16.2	16.2	16.2	15.2	15.2	14.3
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.6	7.6	7.6	7.6
77.5°	5.7	5.7	5.7	5.7	5.7	4.8	4.8	4.8	4.8	4.8	4.8
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.9	2.9	2.9	2.9
82.5°	1.9	2.9	2.9	2.9	2.9	1.9	1.9	1.9	2.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	567.8	563.1	562.1	555.5	545.0	550.7	538.4	538.4	533.6	531.7	523.1
5°	710.5	701.0	695.3	682.0	671.5	667.7	647.7	642.0	630.6	622.1	606.8
7.5°	883.6	865.5	852.2	831.3	811.3	801.8	771.4	757.1	738.1	721.0	697.2
10°	1074.8	1047.2	1025.3	994.0	963.5	944.5	902.6	872.2	848.4	820.8	787.6
12.5°	1290.7	1251.7	1218.4	1173.7	1130.9	1101.4	1045.3	1001.6	966.4	927.4	882.7
15°	1521.8	1469.5	1423.9	1364.0	1299.3	1264.1	1193.7	1135.7	1088.1	1035.8	976.8
17.5°	1746.3	1679.7	1618.9	1544.7	1467.6	1408.7	1331.6	1258.4	1196.5	1128.1	1060.5
20°	1947.0	1866.2	1791.0	1702.6	1614.1	1540.9	1449.6	1362.0	1286.9	1208.0	1128.1
22.5°	2114.4	2020.2	1931.8	1831.9	1731.1	1646.4	1541.8	1442.9	1356.3	1267.9	1176.6
25°	2246.6	2142.0	2043.1	1931.8	1821.5	1727.3	1611.3	1501.9	1406.8	1309.7	1210.8
26°	2288.5	2179.1	2076.4	1957.5	1848.1	1750.1	1631.2	1518.0	1420.1	1321.1	1219.4
27°	2320.8	2207.6	2101.1	1981.2	1868.1	1767.2	1644.5	1529.5	1427.7	1326.9	1223.2
28°	2342.7	2226.6	2116.3	1994.6	1879.5	1775.8	1651.2	1533.3	1429.6	1327.8	1222.2
29°	2357.0	2237.1	2123.9	2002.2	1884.2	1777.7	1651.2	1531.4	1426.7	1323.1	1216.5
30°	2359.8	2238.1	2123.0	1999.3	1879.5	1772.0	1643.6	1522.8	1416.3	1312.6	1205.1
31°	2355.1	2229.5	2112.5	1989.8	1869.0	1758.7	1630.3	1509.5	1403.9	1298.3	1189.9
32°	2340.8	2214.3	2096.3	1972.7	1850.9	1740.6	1612.2	1489.5	1383.9	1279.3	1170.9
33°	2321.8	2192.4	2073.5	1949.9	1829.1	1717.8	1589.4	1467.6	1362.0	1256.5	1149.0
34°	2295.1	2164.8	2045.0	1923.2	1801.5	1690.2	1561.8	1441.0	1335.4	1230.8	1124.3
35°	2259.0	2127.7	2008.8	1889.0	1767.2	1656.9	1529.5	1409.6	1305.9	1202.3	1096.7
36°	2217.1	2087.8	1967.9	1849.0	1728.2	1618.9	1494.3	1375.4	1272.6	1169.9	1066.2
37°	2170.5	2041.2	1923.2	1806.2	1687.3	1578.9	1456.2	1339.2	1238.4	1136.6	1034.9
38°	2116.3	1987.9	1871.9	1757.7	1640.7	1534.2	1414.4	1299.3	1200.4	1100.5	1000.6
39°	2053.5	1928.0	1813.8	1703.5	1589.4	1484.7	1367.8	1255.5	1158.5	1061.5	963.5
40°	1986.0	1864.3	1753.0	1645.5	1534.2	1432.4	1318.3	1209.9	1115.7	1020.6	925.5
42.5°	1801.5	1687.3	1584.6	1488.6	1385.8	1291.7	1188.9	1089.1	1001.6	914.1	826.6
45°	1598.9	1495.2	1402.9	1318.3	1225.1	1141.4	1049.1	958.8	879.8	799.9	721.9
47.5°	1369.7	1278.3	1198.5	1127.1	1046.3	973.0	894.1	816.1	746.7	677.2	608.7
50°	1111.9	1037.7	974.9	917.9	853.2	793.3	729.5	665.8	608.7	549.8	492.7
51°	1006.3	939.7	882.7	834.2	774.2	721.0	663.9	605.9	553.6	500.3	447.0
52°	901.7	843.7	794.2	751.4	699.1	651.5	600.2	547.9	500.3	451.8	402.3
53°	801.8	751.4	708.6	672.5	626.8	585.0	539.3	493.6	449.9	406.1	361.4
54°	707.7	664.9	628.7	598.3	558.3	521.2	482.2	441.3	402.3	361.4	320.5
55°	620.2	584.0	553.6	527.9	493.6	461.3	428.0	391.9	356.7	319.6	288.2
57.5°	434.7	410.9	390.9	374.8	351.9	335.8	307.2	282.5	260.6	228.3	204.5
60°	293.0	276.8	264.4	254.9	239.7	231.1	211.2	193.1	178.8	155.0	137.9
61°	246.3	233.0	222.6	215.0	202.6	195.0	177.9	163.6	150.3	130.3	115.1
62°	204.5	193.1	189.3	178.8	168.4	162.6	148.4	136.0	125.6	107.5	95.1
63°	167.4	157.9	155.0	146.5	137.9	134.1	121.7	112.2	102.7	87.5	78.0
64°	135.1	127.5	125.6	118.9	112.2	108.4	98.9	90.4	82.8	70.4	62.8
65°	107.5	104.6	99.9	95.1	89.4	86.6	78.9	72.3	65.6	56.1	50.4
66°	84.7	82.8	78.0	74.2	69.4	67.5	60.9	56.1	51.4	43.8	39.9





TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	13.3	13.3	12.4	12.4	10.5	10.5	9.5	8.6	8.6	7.6	7.6
75°	6.7	6.7	6.7	6.7	5.7	5.7	5.7	5.7	4.8	4.8	4.8
77.5°	4.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	520.3	511.7	507.9	505.1	499.4	494.6	487.9	484.1	475.6	476.5	466.1
5°	597.3	582.1	572.6	562.1	550.7	540.3	526.9	517.4	503.2	498.4	482.2
7.5°	679.1	655.3	639.2	620.2	602.1	584.0	563.1	546.9	527.9	515.5	493.6
10°	760.0	730.5	701.0	673.4	646.8	621.1	592.6	570.7	544.1	526.0	499.4
12.5°	843.7	799.9	763.8	727.6	691.5	658.2	622.1	591.6	557.4	534.5	502.2
15°	926.4	871.3	825.6	779.0	734.3	691.5	647.7	610.6	570.7	541.2	503.2
17.5°	998.7	933.1	877.0	818.9	767.6	717.2	664.9	622.1	576.4	542.2	500.3
20°	1054.8	979.7	915.0	848.4	789.5	731.4	674.4	626.8	576.4	538.4	492.7
22.5°	1093.8	1012.0	939.7	867.5	801.8	740.0	677.2	626.8	573.5	532.6	487.0
25°	1120.5	1033.9	955.9	878.9	809.4	743.8	679.1	625.9	571.6	530.7	483.2
26°	1126.2	1037.7	958.8	879.8	809.4	742.8	677.2	624.0	569.7	528.8	481.3
27°	1128.1	1038.7	957.8	878.9	807.5	740.0	674.4	621.1	565.9	525.0	478.4
28°	1125.2	1035.8	954.0	874.1	802.8	734.3	668.7	615.4	560.2	520.3	472.7
29°	1118.6	1028.2	946.4	866.5	795.2	725.7	660.1	607.8	552.6	512.7	466.1
30°	1107.1	1016.8	935.0	854.1	782.8	714.3	648.7	596.4	542.2	502.2	455.6
31°	1091.9	1002.5	920.7	839.9	768.5	701.0	635.4	584.0	529.8	490.8	444.2
32°	1072.9	986.3	902.6	822.7	751.4	684.8	620.2	568.8	515.5	476.5	430.9
33°	1051.0	966.4	882.7	803.7	734.3	667.7	603.0	552.6	501.3	462.3	417.6
34°	1027.2	944.5	860.8	783.7	714.3	648.7	585.9	536.4	485.1	447.0	404.2
35°	1000.6	919.8	837.0	760.0	693.4	628.7	566.9	518.4	468.0	430.9	389.0
36°	972.1	893.1	811.3	739.0	670.6	606.8	547.9	499.4	449.9	413.8	372.9
37°	942.6	865.5	785.7	715.3	647.7	585.9	527.9	480.3	432.8	397.6	357.6
38°	910.3	836.1	757.1	689.6	623.0	563.1	506.0	460.4	414.7	380.5	341.5
39°	876.0	800.9	727.6	662.0	597.3	539.3	484.1	440.4	394.7	362.4	324.3
40°	840.8	767.6	697.2	633.5	570.7	515.5	461.3	418.5	375.7	343.4	307.2
42.5°	749.5	682.9	617.3	560.2	501.3	450.8	401.4	362.4	323.4	294.9	262.5
45°	652.5	593.5	533.6	482.2	429.0	383.3	339.6	304.4	269.2	245.4	217.8
47.5°	553.6	496.5	444.2	398.5	355.7	312.0	274.9	244.4	215.9	196.9	176.9
50°	441.3	399.5	353.8	315.8	275.8	243.5	212.1	190.2	169.3	156.9	141.7
51°	399.5	360.5	318.6	283.4	246.3	216.9	190.2	171.2	153.1	142.7	129.4
52°	364.3	323.4	284.4	252.1	221.6	193.1	170.3	154.1	138.9	129.4	117.0
53°	321.5	289.2	253.0	223.5	195.9	171.2	152.2	137.9	124.6	117.0	106.5
54°	285.3	255.9	222.6	195.9	173.1	152.2	135.1	123.6	112.2	104.6	96.1
55°	251.1	228.3	194.0	171.2	152.2	134.1	120.8	110.3	99.9	94.2	85.6
57.5°	176.0	156.0	135.1	121.7	109.4	98.0	88.5	80.8	74.2	70.4	63.7
60°	117.0	104.6	92.3	83.7	76.1	69.4	62.8	57.1	52.3	50.4	45.7
61°	98.0	88.5	78.0	72.3	65.6	59.0	53.3	49.5	45.7	43.8	39.9
62°	83.7	74.2	65.6	60.9	55.2	50.4	45.7	41.9	39.0	37.1	34.2
63°	68.5	61.8	55.2	51.4	46.6	41.9	39.0	35.2	33.3	31.4	28.5
64°	56.1	50.4	45.7	41.9	39.0	34.2	32.3	29.5	26.6	26.6	23.8
65°	45.7	40.9	37.1	34.2	31.4	28.5	26.6	23.8	21.9	20.9	19.0
66°	36.1	32.3	29.5	27.6	24.7	22.8	20.9	19.0	17.1	17.1	15.2



TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	6.7	6.7	6.7	5.7	5.7	5.7	5.7	4.8	4.8	4.8	4.8
75°	4.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	463.2	461.3	449.9	446.1	407.1	373.8	360.5	351.9
5°	474.6	467.0	450.8	443.2	370.0	317.7	293.9	283.4
7.5°	481.3	468.0	446.1	434.7	333.9	271.1	241.6	231.1
10°	480.3	463.2	437.5	421.4	300.6	233.0	203.5	193.1
12.5°	479.4	457.5	428.0	408.0	273.0	205.4	175.0	165.5
15°	476.5	449.9	417.6	394.7	249.2	182.6	155.0	146.5
17.5°	468.9	440.4	404.2	379.5	229.2	165.5	141.7	133.2
20°	459.4	428.0	391.9	366.2	216.9	158.8	138.9	133.2
22.5°	451.8	419.5	383.3	358.6	220.7	178.8	177.9	181.7
25°	448.9	417.6	381.4	358.6	239.7	215.9	228.3	234.9
26°	447.0	416.6	381.4	358.6	245.4	225.4	236.8	244.4
27°	444.2	413.8	379.5	356.7	248.3	230.2	240.6	246.3
28°	439.4	409.0	374.8	353.8	248.3	230.2	238.7	243.5
29°	432.8	403.3	369.0	348.1	245.4	226.4	233.0	236.8
30°	423.3	393.8	360.5	339.6	238.7	220.7	224.5	227.3
31°	411.8	383.3	350.0	330.0	232.1	213.1	215.9	217.8
32°	399.5	370.9	338.6	319.6	223.5	204.5	206.4	207.4
33°	386.2	358.6	327.2	308.2	215.9	196.9	196.9	197.8
34°	372.9	345.3	316.7	296.8	208.3	190.2	188.3	189.3
35°	359.5	332.0	304.4	285.3	200.7	182.6	180.7	180.7
36°	344.3	317.7	291.1	273.0	193.1	176.9	173.1	173.1
37°	330.0	304.4	278.7	260.6	184.5	170.3	166.5	165.5
38°	314.8	290.1	265.4	248.3	176.9	163.6	159.8	158.8
39°	299.6	275.8	252.1	235.9	169.3	156.9	154.1	152.2
40°	283.4	260.6	238.7	222.6	161.7	149.3	147.4	145.5
42.5°	241.6	221.6	203.5	192.1	142.7	131.3	128.4	129.4
45°	200.7	185.5	171.2	163.6	123.6	113.2	110.3	110.3
47.5°	164.5	153.1	143.6	136.0	103.7	94.2	91.3	87.5
50°	133.2	124.6	117.0	112.2	85.6	76.1	70.4	66.6
51°	121.7	114.1	107.5	102.7	78.0	68.5	61.8	58.0
52°	110.3	103.7	98.0	94.2	70.4	60.9	54.2	50.4
53°	99.9	94.2	89.4	85.6	63.7	54.2	47.6	43.8
54°	90.4	84.7	80.8	77.0	57.1	47.6	39.9	37.1
55°	81.8	76.1	73.2	69.4	50.4	40.9	33.3	31.4
57.5°	60.9	57.1	55.2	52.3	37.1	26.6	20.0	17.1
60°	43.8	40.9	39.9	38.0	23.8	14.3	10.5	8.6
61°	38.0	36.1	34.2	32.3	19.0	11.4	8.6	7.6
62°	32.3	30.4	28.5	27.6	15.2	9.5	7.6	6.7
63°	26.6	25.7	23.8	22.8	12.4	7.6	6.7	5.7
64°	21.9	20.9	19.0	18.1	10.5	6.7	5.7	4.8
65°	18.1	17.1	15.2	14.3	8.6	5.7	4.8	3.8
66°	14.3	13.3	12.4	11.4	7.6	5.7	3.8	3.8



TEST NUMBER: P175560

CATALOG NUMBER: LDA6A30830D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	4.8	4.8	3.8	3.8	3.8	3.8	3.8	2.9
75°	3.8	3.8	3.8	3.8	3.8	3.8	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	3.8	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9
85°	2.9	2.9	2.9	2.9	2.9	2.9	1.9	1.9
87.5°	1.9	2.9	2.9	2.9	2.9	1.9	1.0	1.0
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°	68.5	70.4	71.3	71.3	70.4	66.6	67.5	65.6	63.7	61.8	59.9
70°	34.2	35.2	36.1	36.1	35.2	33.3	34.2	33.3	32.3	31.4	29.5





67.5°	58.0	56.1	53.3	50.4	46.6	45.7	40.9	37.1	34.2	29.5	27.6
70°	28.5	27.6	25.7	23.8	22.8	21.9	19.0	18.1	16.2	14.3	13.3





67.5°	24.7	21.9	20.0	19.0	17.1	16.2	15.2	13.3	12.4	12.4	11.4
70°	12.4	11.4	10.5	10.5	9.5	8.6	8.6	7.6	7.6	7.6	6.7







67.5°	10.5	10.5	9.5	8.6	5.7	4.8	3.8	3.8
70°	6.7	6.7	5.7	5.7	4.8	3.8	3.8	2.9



(END OF REPORT)