

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: P175564

Luminaire Tested: **LDA6A30930D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175564  
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: LDA6A30930D010TE LAR35FL 6LLWW1  
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

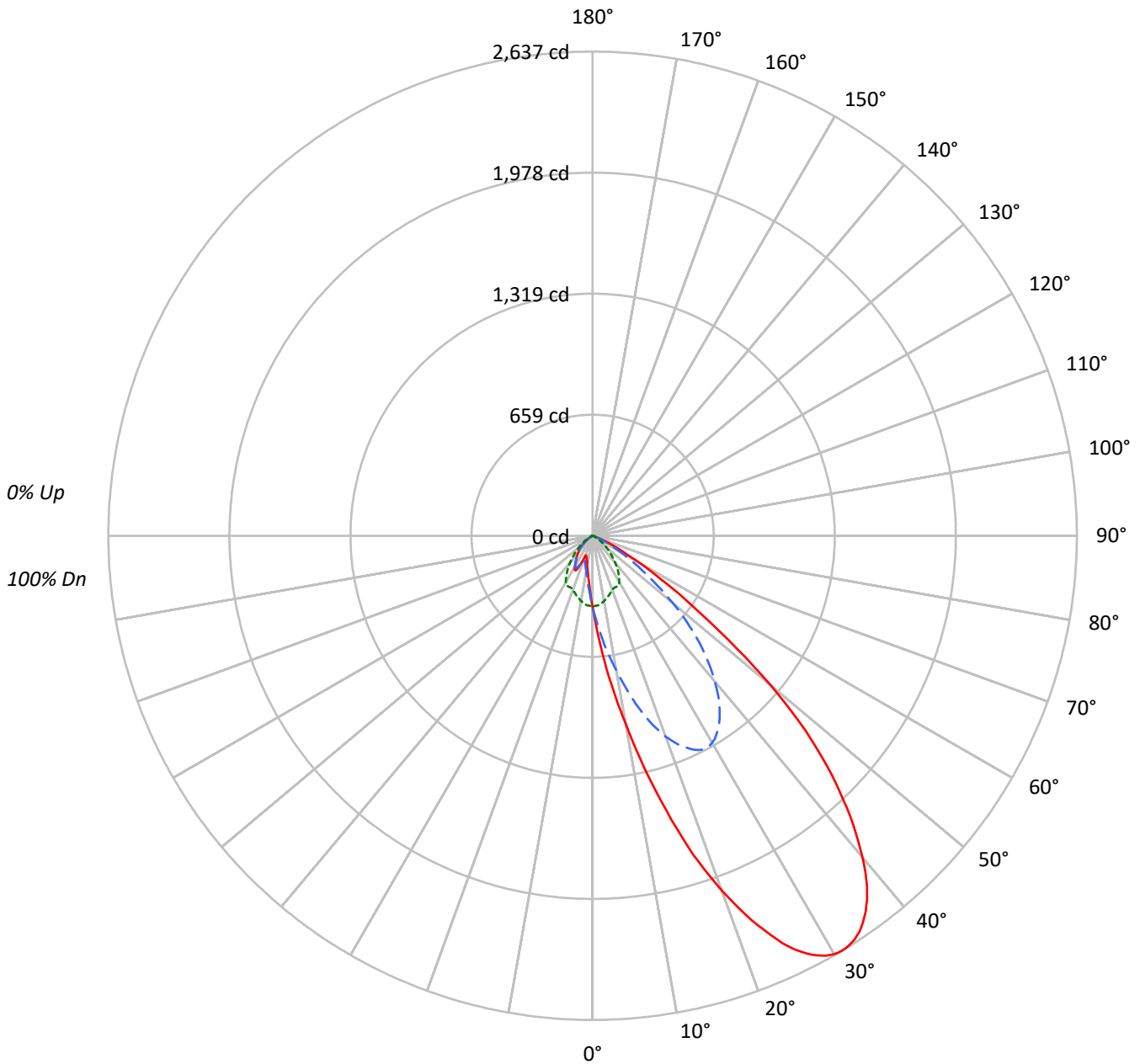
Lumens per Lamp: N/A  
Luminaire Lumens: 1639.1 lumens  
Efficiency: N/A  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 1.13 / 1.63  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 44.49  
Input Voltage (V): NR  
Input Current (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



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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	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°	21226	21226	21226
5°	36121	20856	13339
10°	58004	20056	9190
15°	87895	19160	7111
20°	120008	18272	6645
25°	148146	18551	12152
30°	166570	18383	12306
35°	171852	16329	10340
40°	163628	13618	8910
45°	142775	10846	7319
50°	107664	8187	4853
55°	62191	5677	2561
60°	32190	3563	800
65°	13931	1583	428
70°	4696	785	385
75°	1546	699	508
80°	1042	758	505
85°	503	1510	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	2.5
10°-20°	167.2	10.2
20°-30°	356.1	21.7
30°-40°	462.3	28.2
40°-50°	387.7	23.7
50°-60°	178.8	10.9
60°-70°	38.6	2.4
70°-80°	5.0	0.3
80°-90°	1.7	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°	564.8	34.5
0°-40°	1027.2	62.7
0°-60°	1593.7	97.2
0°-90°	1639.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	387	387	387	387	387	
5°	656	549	379	272	242	75
15°	1549	971	338	156	125	455
25°	2449	1284	307	185	201	1124
35°	2568	1206	244	156	154	1586
45°	1842	820	140	97	94	1397
55°	651	335	59	35	27	619
65°	107	62	12	5	3	123
75°	7	5	3	3	2	11
85°	1	2	2	2	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°	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2
2.5°	501.1	493.7	500.2	500.2	496.2	492.9	498.6	491.3	495.4	488.0	488.0
5°	656.4	637.7	646.7	645.8	638.5	640.2	637.7	627.1	629.6	618.2	614.9
7.5°	838.6	819.1	828.9	826.4	815.8	815.0	811.0	793.9	793.9	776.8	767.9
10°	1042.0	1027.3	1038.7	1033.8	1020.8	1015.1	1008.6	985.0	980.2	954.1	939.5
12.5°	1287.6	1280.3	1268.1	1260.0	1254.3	1245.3	1233.9	1203.0	1191.6	1156.7	1133.9
15°	1548.7	1545.5	1531.6	1533.3	1511.3	1485.3	1491.8	1440.5	1421.0	1375.5	1344.6
17.5°	1819.6	1809.8	1796.8	1778.9	1767.5	1736.6	1722.8	1674.8	1646.3	1589.4	1551.2
20°	2057.1	2053.0	2041.7	2018.9	2001.8	1966.8	1944.9	1889.5	1849.7	1783.0	1736.6
22.5°	2268.6	2262.1	2251.5	2223.9	2203.5	2162.0	2134.4	2070.9	2022.1	1946.5	1890.4
25°	2449.2	2437.0	2428.0	2394.7	2372.7	2323.9	2291.4	2220.6	2162.9	2079.1	2014.0
26°	2505.3	2494.7	2486.6	2451.6	2428.0	2376.8	2342.6	2268.6	2206.8	2121.4	2052.2
27°	2551.7	2542.7	2536.2	2499.6	2474.4	2421.5	2384.1	2309.3	2243.4	2155.5	2084.0
28°	2588.3	2580.1	2573.6	2535.4	2509.4	2454.9	2415.0	2338.5	2269.4	2179.1	2105.9
29°	2615.1	2607.0	2602.1	2561.4	2535.4	2479.3	2437.8	2358.9	2287.3	2195.4	2119.7
30°	2631.4	2623.2	2618.4	2576.1	2550.0	2493.1	2448.4	2369.5	2294.6	2201.9	2124.6
31°	2637.1	2628.1	2624.9	2581.8	2554.1	2495.5	2450.8	2369.5	2293.0	2199.5	2120.6
32°	2632.2	2624.1	2621.6	2577.7	2549.2	2489.8	2444.3	2362.1	2284.1	2189.7	2109.2
33°	2620.8	2612.7	2611.0	2566.3	2537.8	2476.8	2432.1	2348.3	2268.6	2173.4	2092.9
34°	2599.7	2591.5	2591.5	2546.0	2516.7	2455.7	2410.9	2327.2	2245.0	2150.7	2069.3
35°	2567.9	2564.7	2561.4	2515.1	2485.8	2424.8	2380.0	2295.4	2213.3	2119.7	2036.8
36°	2528.9	2526.4	2523.2	2476.8	2446.7	2385.7	2342.6	2258.0	2175.1	2082.3	2000.2
37°	2482.5	2480.9	2478.5	2432.1	2402.0	2341.8	2297.9	2214.9	2131.9	2040.0	1957.9
38°	2426.4	2426.4	2424.0	2377.6	2347.5	2288.1	2245.8	2162.9	2080.7	1990.4	1909.9
39°	2359.7	2361.3	2359.7	2313.3	2283.2	2224.7	2184.0	2103.5	2021.3	1933.5	1861.1
40°	2286.5	2288.9	2288.1	2242.6	2212.5	2155.5	2116.5	2037.6	1964.4	1870.8	1800.9
42.5°	2079.1	2083.1	2084.0	2040.8	2012.4	1959.5	1924.5	1852.1	1775.7	1697.6	1634.1
45°	1841.6	1848.9	1850.5	1811.5	1785.4	1737.4	1708.2	1643.1	1586.1	1505.6	1450.3
47.5°	1575.6	1586.1	1590.2	1554.4	1529.2	1487.7	1465.8	1410.5	1360.8	1288.4	1242.1
50°	1262.4	1274.6	1264.9	1250.2	1229.1	1196.5	1183.5	1138.8	1085.9	1039.5	1007.0
51°	1126.6	1139.6	1146.9	1118.4	1100.5	1071.3	1061.5	1023.3	976.1	936.2	908.6
52°	993.2	1007.0	1014.3	989.1	973.6	949.2	943.6	910.2	868.7	835.4	812.6
53°	867.9	880.9	872.8	867.1	853.3	832.9	829.7	802.0	766.2	738.6	720.7
54°	753.2	764.6	772.7	754.0	741.8	724.7	723.9	701.2	671.1	647.5	634.5
55°	650.7	661.3	668.6	653.2	642.6	628.0	628.0	609.2	584.0	564.5	554.7
57.5°	444.9	452.3	458.8	447.4	440.1	431.1	432.7	421.3	404.3	392.1	386.4
60°	293.6	299.3	303.4	296.1	292.0	286.3	287.9	280.6	274.9	261.9	259.5
61°	244.8	250.5	254.6	248.1	249.7	239.1	241.6	235.1	230.2	224.5	218.0
62°	202.5	207.4	210.7	205.0	206.6	197.7	200.1	195.2	191.2	185.5	180.6
63°	165.1	169.2	172.4	171.6	169.2	161.9	163.5	159.4	156.2	152.1	148.0
64°	134.2	137.5	139.9	139.9	137.5	131.0	132.6	128.5	126.9	122.8	119.6
65°	107.4	109.8	111.4	111.4	109.8	104.9	105.7	103.3	100.9	98.4	96.0
66°	84.6	87.0	88.7	88.7	87.0	83.0	83.8	81.3	79.7	77.3	75.6



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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°	13.8	14.6	14.6	14.6	14.6	13.8	13.8	13.8	13.0	13.0	12.2
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.5	6.5	6.5	6.5
77.5°	4.9	4.9	4.9	4.9	4.9	4.1	4.1	4.1	4.1	4.1	4.1
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.4	2.4	2.4	2.4
82.5°	1.6	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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°	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2
2.5°	485.6	481.5	480.7	475.0	466.1	471.0	460.4	460.4	456.3	454.7	447.4
5°	607.6	599.5	594.6	583.2	574.3	571.0	553.9	549.1	539.3	532.0	519.0
7.5°	755.7	740.2	728.8	710.9	693.8	685.7	659.7	647.5	631.2	616.6	596.2
10°	919.2	895.6	876.9	850.0	824.0	807.7	771.9	745.9	725.6	702.0	673.5
12.5°	1103.8	1070.4	1042.0	1003.7	967.1	941.9	893.9	856.5	826.4	793.1	754.8
15°	1301.5	1256.7	1217.7	1166.4	1111.1	1081.0	1020.8	971.2	930.5	885.8	835.4
17.5°	1493.4	1436.5	1384.4	1321.0	1255.1	1204.7	1138.8	1076.1	1023.3	964.7	907.0
20°	1665.0	1595.9	1531.6	1456.0	1380.4	1317.7	1239.6	1164.8	1100.5	1033.0	964.7
22.5°	1808.2	1727.7	1652.0	1566.6	1480.4	1408.0	1318.5	1233.9	1159.9	1084.3	1006.2
25°	1921.3	1831.8	1747.2	1652.0	1557.7	1477.1	1377.9	1284.4	1203.0	1120.1	1035.5
26°	1957.1	1863.5	1775.7	1674.0	1580.5	1496.7	1395.0	1298.2	1214.4	1129.8	1042.8
27°	1984.7	1887.9	1796.8	1694.3	1597.5	1511.3	1406.4	1308.0	1220.9	1134.7	1046.0
28°	2003.4	1904.2	1809.8	1705.7	1607.3	1518.6	1412.1	1311.2	1222.6	1135.5	1045.2
29°	2015.6	1913.1	1816.3	1712.2	1611.4	1520.3	1412.1	1309.6	1220.1	1131.5	1040.3
30°	2018.1	1913.9	1815.5	1709.8	1607.3	1515.4	1405.6	1302.3	1211.2	1122.5	1030.6
31°	2014.0	1906.6	1806.6	1701.7	1598.3	1504.0	1394.2	1290.9	1200.6	1110.3	1017.6
32°	2001.8	1893.6	1792.8	1687.0	1582.9	1488.5	1378.7	1273.8	1183.5	1094.0	1001.3
33°	1985.5	1874.9	1773.2	1667.5	1564.2	1469.0	1359.2	1255.1	1164.8	1074.5	982.6
34°	1962.8	1851.3	1748.8	1644.7	1540.6	1445.4	1335.6	1232.3	1142.0	1052.6	961.4
35°	1931.8	1819.6	1717.9	1615.4	1511.3	1417.0	1308.0	1205.5	1116.8	1028.1	937.9
36°	1896.1	1785.4	1682.9	1581.3	1478.0	1384.4	1277.9	1176.2	1088.3	1000.5	911.8
37°	1856.2	1745.6	1644.7	1544.7	1443.0	1350.3	1245.3	1145.3	1059.1	972.0	885.0
38°	1809.8	1700.0	1600.8	1503.2	1403.1	1312.0	1209.5	1111.1	1026.5	941.1	855.7
39°	1756.1	1648.8	1551.2	1456.8	1359.2	1269.7	1169.7	1073.7	990.7	907.8	824.0
40°	1698.4	1594.3	1499.1	1407.2	1312.0	1225.0	1127.4	1034.7	954.1	872.8	791.4
42.5°	1540.6	1443.0	1355.1	1273.0	1185.1	1104.6	1016.8	931.4	856.5	781.7	706.9
45°	1367.3	1278.7	1199.8	1127.4	1047.7	976.1	897.2	819.9	752.4	684.1	617.4
47.5°	1171.3	1093.2	1024.9	963.9	894.7	832.1	764.6	697.9	638.5	579.1	520.6
50°	950.9	887.4	833.7	784.9	729.6	678.4	623.9	569.4	520.6	470.2	421.3
51°	860.6	803.6	754.8	713.4	662.1	616.6	567.8	518.1	473.4	427.9	382.3
52°	771.1	721.5	679.2	642.6	597.9	557.2	513.3	468.5	427.9	386.4	344.1
53°	685.7	642.6	606.0	575.1	536.0	500.2	461.2	422.2	384.7	347.3	309.1
54°	605.2	568.6	537.7	511.6	477.5	445.7	412.4	377.4	344.1	309.1	274.1
55°	530.3	499.4	473.4	451.4	422.2	394.5	366.0	335.1	305.0	273.3	246.5
57.5°	371.7	351.4	334.3	320.5	301.0	287.1	262.7	241.6	222.9	195.2	174.9
60°	250.5	236.7	226.1	218.0	205.0	197.7	180.6	165.1	152.9	132.6	117.9
61°	210.7	199.3	190.3	183.8	173.3	166.7	152.1	139.9	128.5	111.4	98.4
62°	174.9	165.1	161.9	152.9	144.0	139.1	126.9	116.3	107.4	91.9	81.3
63°	143.2	135.0	132.6	125.3	117.9	114.7	104.1	96.0	87.8	74.8	66.7
64°	115.5	109.0	107.4	101.7	96.0	92.7	84.6	77.3	70.8	60.2	53.7
65°	91.9	89.5	85.4	81.3	76.5	74.0	67.5	61.8	56.1	48.0	43.1
66°	72.4	70.8	66.7	63.4	59.4	57.8	52.1	48.0	43.9	37.4	34.2





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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	11.4	11.4	10.6	10.6	8.9	8.9	8.1	7.3	7.3	6.5	6.5
75°	5.7	5.7	5.7	5.7	4.9	4.9	4.9	4.9	4.1	4.1	4.1
77.5°	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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: P175564

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2
2.5°	444.9	437.6	434.4	431.9	427.0	423.0	417.3	414.0	406.7	407.5	398.6
5°	510.8	497.8	489.7	480.7	471.0	462.0	450.6	442.5	430.3	426.2	412.4
7.5°	580.8	560.4	546.6	530.3	514.9	499.4	481.5	467.7	451.4	440.9	422.2
10°	649.9	624.7	599.5	575.9	553.1	531.2	506.8	488.0	465.3	449.8	427.0
12.5°	721.5	684.1	653.2	622.3	591.3	562.9	532.0	505.9	476.7	457.1	429.5
15°	792.3	745.1	706.0	666.2	628.0	591.3	553.9	522.2	488.0	462.8	430.3
17.5°	854.1	798.0	750.0	700.3	656.4	613.3	568.6	532.0	492.9	463.6	427.9
20°	902.1	837.8	782.5	725.6	675.1	625.5	576.7	536.0	492.9	460.4	421.3
22.5°	935.4	865.5	803.6	741.8	685.7	632.8	579.1	536.0	490.5	455.5	416.5
25°	958.2	884.2	817.5	751.6	692.2	636.1	580.8	535.2	488.9	453.9	413.2
26°	963.1	887.4	819.9	752.4	692.2	635.3	579.1	533.6	487.2	452.3	411.6
27°	964.7	888.2	819.1	751.6	690.6	632.8	576.7	531.2	484.0	449.0	409.1
28°	962.3	885.8	815.8	747.5	686.5	628.0	571.8	526.3	479.1	444.9	404.3
29°	956.6	879.3	809.3	741.0	680.0	620.6	564.5	519.8	472.6	438.4	398.6
30°	946.8	869.5	799.6	730.4	669.4	610.9	554.7	510.0	463.6	429.5	389.6
31°	933.8	857.3	787.4	718.2	657.2	599.5	543.4	499.4	453.1	419.7	379.9
32°	917.5	843.5	771.9	703.6	642.6	585.7	530.3	486.4	440.9	407.5	368.5
33°	898.8	826.4	754.8	687.3	628.0	571.0	515.7	472.6	428.7	395.3	357.1
34°	878.5	807.7	736.1	670.2	610.9	554.7	501.1	458.8	414.8	382.3	345.7
35°	855.7	786.6	715.8	649.9	593.0	537.7	484.8	443.3	400.2	368.5	332.7
36°	831.3	763.8	693.8	632.0	573.5	519.0	468.5	427.0	384.7	353.8	318.9
37°	806.1	740.2	671.9	611.7	553.9	501.1	451.4	410.8	370.1	340.0	305.8
38°	778.4	715.0	647.5	589.7	532.8	481.5	432.7	393.7	354.6	325.4	292.0
39°	749.1	684.9	622.3	566.1	510.8	461.2	414.0	376.6	337.6	309.9	277.4
40°	719.1	656.4	596.2	541.7	488.0	440.9	394.5	357.9	321.3	293.6	262.7
42.5°	641.0	584.0	527.9	479.1	428.7	385.6	343.3	309.9	276.6	252.2	224.5
45°	558.0	507.6	456.3	412.4	366.8	327.8	290.4	260.3	230.2	209.9	186.3
47.5°	473.4	424.6	379.9	340.8	304.2	266.8	235.1	209.0	184.6	168.4	151.3
50°	377.4	341.6	302.6	270.1	235.9	208.2	181.4	162.7	144.8	134.2	121.2
51°	341.6	308.3	272.5	242.4	210.7	185.5	162.7	146.4	131.0	122.0	110.6
52°	311.5	276.6	243.2	215.6	189.5	165.1	145.6	131.8	118.8	110.6	100.0
53°	274.9	247.3	216.4	191.2	167.6	146.4	130.1	117.9	106.6	100.0	91.1
54°	244.0	218.8	190.3	167.6	148.0	130.1	115.5	105.7	96.0	89.5	82.2
55°	214.7	195.2	165.9	146.4	130.1	114.7	103.3	94.4	85.4	80.5	73.2
57.5°	150.5	133.4	115.5	104.1	93.5	83.8	75.6	69.1	63.4	60.2	54.5
60°	100.0	89.5	78.9	71.6	65.1	59.4	53.7	48.8	44.7	43.1	39.0
61°	83.8	75.6	66.7	61.8	56.1	50.4	45.6	42.3	39.0	37.4	34.2
62°	71.6	63.4	56.1	52.1	47.2	43.1	39.0	35.8	33.3	31.7	29.3
63°	58.6	52.9	47.2	43.9	39.9	35.8	33.3	30.1	28.5	26.8	24.4
64°	48.0	43.1	39.0	35.8	33.3	29.3	27.7	25.2	22.8	22.8	20.3
65°	39.0	35.0	31.7	29.3	26.8	24.4	22.8	20.3	18.7	17.9	16.3
66°	30.9	27.7	25.2	23.6	21.1	19.5	17.9	16.3	14.6	14.6	13.0



TEST NUMBER: P175564

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	5.7	5.7	5.7	4.9	4.9	4.9	4.9	4.1	4.1	4.1	4.1
75°	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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: P175564

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	387.2	387.2	387.2	387.2	387.2	387.2	387.2	387.2
2.5°	396.1	394.5	384.7	381.5	348.1	319.7	308.3	301.0
5°	405.9	399.4	385.6	379.0	316.4	271.7	251.3	242.4
7.5°	411.6	400.2	381.5	371.7	285.5	231.8	206.6	197.7
10°	410.8	396.1	374.2	360.3	257.0	199.3	174.1	165.1
12.5°	410.0	391.2	366.0	349.0	233.4	175.7	149.7	141.5
15°	407.5	384.7	357.1	337.6	213.1	156.2	132.6	125.3
17.5°	401.0	376.6	345.7	324.5	196.0	141.5	121.2	113.9
20°	392.9	366.0	335.1	313.2	185.5	135.8	118.8	113.9
22.5°	386.4	358.7	327.8	306.7	188.7	152.9	152.1	155.4
25°	383.9	357.1	326.2	306.7	205.0	184.6	195.2	200.9
26°	382.3	356.3	326.2	306.7	209.9	192.8	202.5	209.0
27°	379.9	353.8	324.5	305.0	212.3	196.8	205.8	210.7
28°	375.8	349.8	320.5	302.6	212.3	196.8	204.2	208.2
29°	370.1	344.9	315.6	297.7	209.9	193.6	199.3	202.5
30°	362.0	336.8	308.3	290.4	204.2	188.7	192.0	194.4
31°	352.2	327.8	299.3	282.3	198.5	182.2	184.6	186.3
32°	341.6	317.2	289.6	273.3	191.2	174.9	176.5	177.3
33°	330.2	306.7	279.8	263.5	184.6	168.4	168.4	169.2
34°	318.9	295.3	270.9	253.8	178.1	162.7	161.1	161.9
35°	307.5	283.9	260.3	244.0	171.6	156.2	154.5	154.5
36°	294.5	271.7	248.9	233.4	165.1	151.3	148.0	148.0
37°	282.3	260.3	238.3	222.9	157.8	145.6	142.3	141.5
38°	269.2	248.1	226.9	212.3	151.3	139.9	136.7	135.8
39°	256.2	235.9	215.6	201.7	144.8	134.2	131.8	130.1
40°	242.4	222.9	204.2	190.3	138.3	127.7	126.1	124.5
42.5°	206.6	189.5	174.1	164.3	122.0	112.3	109.8	110.6
45°	171.6	158.6	146.4	139.9	105.7	96.8	94.4	94.4
47.5°	140.7	131.0	122.8	116.3	88.7	80.5	78.1	74.8
50°	113.9	106.6	100.0	96.0	73.2	65.1	60.2	56.9
51°	104.1	97.6	91.9	87.8	66.7	58.6	52.9	49.6
52°	94.4	88.7	83.8	80.5	60.2	52.1	46.4	43.1
53°	85.4	80.5	76.5	73.2	54.5	46.4	40.7	37.4
54°	77.3	72.4	69.1	65.9	48.8	40.7	34.2	31.7
55°	70.0	65.1	62.6	59.4	43.1	35.0	28.5	26.8
57.5°	52.1	48.8	47.2	44.7	31.7	22.8	17.1	14.6
60°	37.4	35.0	34.2	32.5	20.3	12.2	8.9	7.3
61°	32.5	30.9	29.3	27.7	16.3	9.8	7.3	6.5
62°	27.7	26.0	24.4	23.6	13.0	8.1	6.5	5.7
63°	22.8	22.0	20.3	19.5	10.6	6.5	5.7	4.9
64°	18.7	17.9	16.3	15.5	8.9	5.7	4.9	4.1
65°	15.5	14.6	13.0	12.2	7.3	4.9	4.1	3.3
66°	12.2	11.4	10.6	9.8	6.5	4.9	3.3	3.3



TEST NUMBER: P175564

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	4.1	4.1	3.3	3.3	3.3	3.3	3.3	2.4
75°	3.3	3.3	3.3	3.3	3.3	3.3	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	3.3	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.6
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.6
85°	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6
87.5°	1.6	2.4	2.4	2.4	2.4	1.6	0.8	0.8
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°	58.6	60.2	61.0	61.0	60.2	56.9	57.8	56.1	54.5	52.9	51.2
70°	29.3	30.1	30.9	30.9	30.1	28.5	29.3	28.5	27.7	26.8	25.2





67.5°	49.6	48.0	45.6	43.1	39.9	39.0	35.0	31.7	29.3	25.2	23.6
70°	24.4	23.6	22.0	20.3	19.5	18.7	16.3	15.5	13.8	12.2	11.4





67.5°	21.1	18.7	17.1	16.3	14.6	13.8	13.0	11.4	10.6	10.6	9.8
70°	10.6	9.8	8.9	8.9	8.1	7.3	7.3	6.5	6.5	6.5	5.7







67.5°	8.9	8.9	8.1	7.3	4.9	4.1	3.3	3.3
70°	5.7	5.7	4.9	4.9	4.1	3.3	3.3	2.4



(END OF REPORT)