

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: P175562

Luminaire Tested: **LDA6A30840D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175562
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: LDA6A30840D010TE LAR35FL 6LLWW1
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2066.6 lumens
Efficiency: N/A
Efficacy: 46.5 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

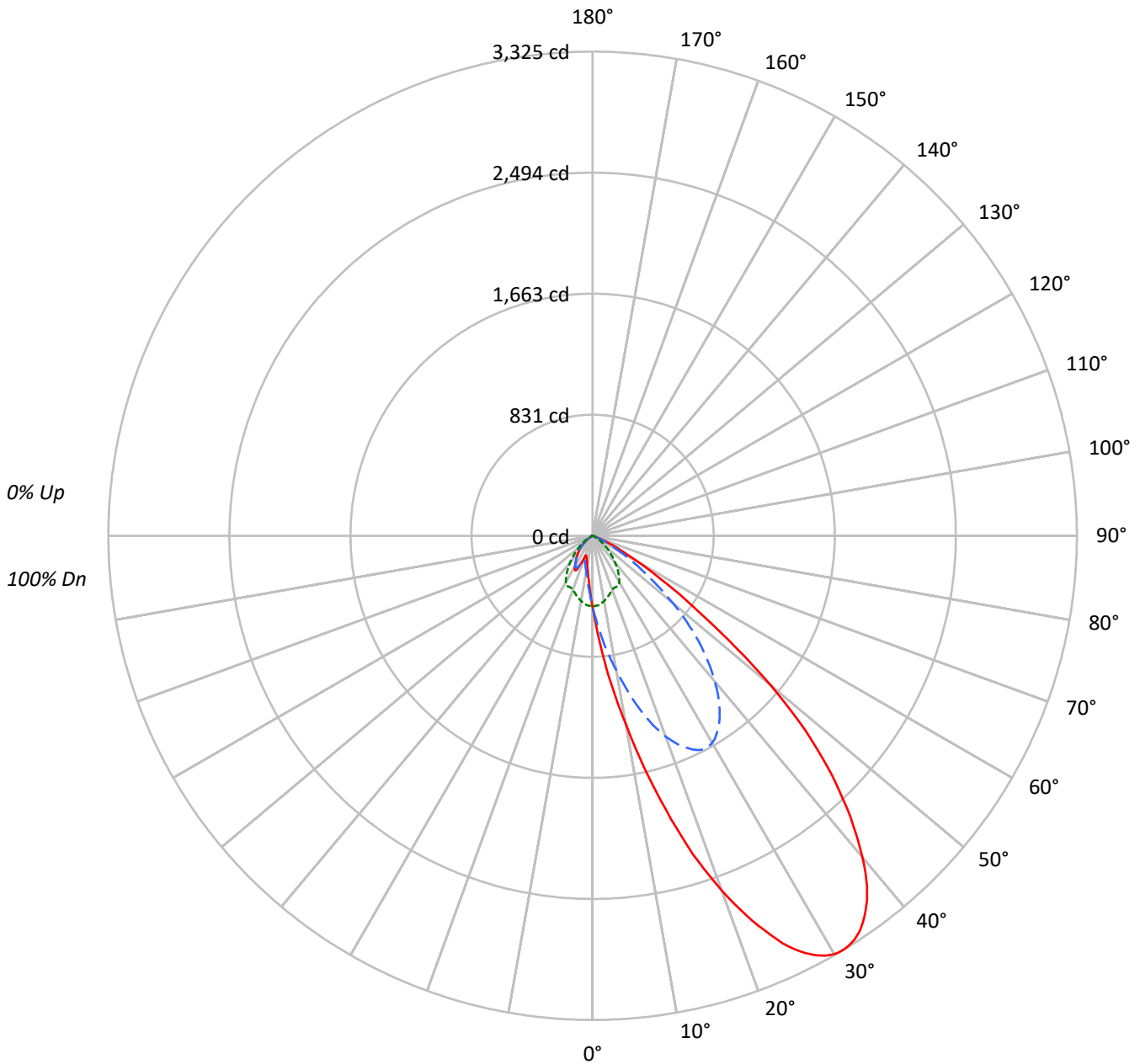
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26763	26763	26763
5°	45542	26299	16817
10°	73134	25289	11590
15°	110824	24155	8961
20°	151312	23032	8377
25°	186785	23384	15321
30°	210020	23174	15515
35°	216684	20592	13043
40°	206308	17175	11228
45°	180011	13676	9226
50°	135748	10319	6123
55°	78420	7159	3230
60°	40589	4495	1009
65°	17563	1998	532
70°	5914	994	497
75°	1949	868	657
80°	1294	979	663
85°	629	1950	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	2.5
10°-20°	210.8	10.2
20°-30°	449.0	21.7
30°-40°	582.9	28.2
40°-50°	488.9	23.7
50°-60°	225.4	10.9
60°-70°	48.7	2.4
70°-80°	6.3	0.3
80°-90°	2.3	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°	712.2	34.5
0°-40°	1295.1	62.7
0°-60°	2009.4	97.2
0°-90°	2066.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	488	488	488	488	488	
5°	828	692	478	342	306	94
15°	1953	1224	426	197	158	573
25°	3088	1619	387	233	253	1417
35°	3238	1520	308	197	195	1999
45°	2322	1034	176	122	119	1761
55°	820	422	75	44	34	780
65°	135	78	15	6	4	156
75°	9	6	4	4	3	14
85°	1	2	3	3	2	1
90°	0	0	0	0	0	



TEST NUMBER: P175562

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2
2.5°	631.8	622.5	630.7	630.7	625.6	621.5	628.7	619.5	624.6	615.3	615.3
5°	827.6	804.1	815.3	814.3	805.1	807.1	804.1	790.7	793.8	779.4	775.3
7.5°	1057.4	1032.8	1045.1	1042.0	1028.7	1027.6	1022.5	1001.0	1001.0	979.4	968.1
10°	1313.8	1295.3	1309.7	1303.5	1287.1	1279.9	1271.7	1242.0	1235.8	1203.0	1184.5
12.5°	1623.5	1614.3	1598.9	1588.6	1581.4	1570.2	1555.8	1516.8	1502.5	1458.4	1429.7
15°	1952.7	1948.6	1931.2	1933.2	1905.5	1872.7	1880.9	1816.3	1791.7	1734.3	1695.3
17.5°	2294.2	2281.9	2265.5	2242.9	2228.6	2189.6	2172.2	2111.7	2075.8	2004.0	1955.8
20°	2593.7	2588.6	2574.2	2545.5	2524.0	2479.9	2452.2	2382.4	2332.2	2248.1	2189.6
22.5°	2860.3	2852.1	2838.8	2803.9	2778.3	2726.0	2691.1	2611.1	2549.6	2454.2	2383.5
25°	3088.0	3072.6	3061.4	3019.3	2991.6	2930.1	2889.1	2799.8	2727.0	2621.4	2539.3
26°	3158.8	3145.5	3135.2	3091.1	3061.4	2996.7	2953.7	2860.3	2782.4	2674.7	2587.5
27°	3217.2	3206.0	3197.8	3151.6	3119.8	3053.2	3006.0	2911.6	2828.6	2717.8	2627.5
28°	3263.4	3253.1	3244.9	3196.7	3163.9	3095.2	3045.0	2948.5	2861.4	2747.5	2655.2
29°	3297.2	3287.0	3280.8	3229.6	3196.7	3126.0	3073.7	2974.2	2883.9	2768.0	2672.7
30°	3317.8	3307.5	3301.3	3248.0	3215.2	3143.4	3087.0	2987.5	2893.2	2776.2	2678.8
31°	3324.9	3313.7	3309.6	3255.2	3220.3	3146.5	3090.1	2987.5	2891.1	2773.2	2673.7
32°	3318.8	3308.5	3305.4	3250.1	3214.2	3139.3	3081.9	2978.3	2879.8	2760.9	2659.3
33°	3304.4	3294.2	3292.1	3235.7	3199.8	3122.9	3066.5	2960.9	2860.3	2740.4	2638.8
34°	3277.8	3267.5	3267.5	3210.1	3173.1	3096.2	3039.8	2934.2	2830.6	2711.6	2609.1
35°	3237.8	3233.7	3229.6	3171.1	3134.2	3057.3	3000.9	2894.2	2790.6	2672.7	2568.1
36°	3188.5	3185.5	3181.4	3122.9	3084.9	3008.0	2953.7	2847.0	2742.4	2625.5	2521.9
37°	3130.1	3128.0	3124.9	3066.5	3028.5	2952.6	2897.3	2792.7	2688.0	2572.2	2468.6
38°	3059.3	3059.3	3056.2	2997.8	2959.8	2885.0	2831.6	2727.0	2623.4	2509.6	2408.1
39°	2975.2	2977.3	2975.2	2916.8	2878.8	2805.0	2753.7	2652.2	2548.6	2437.8	2346.5
40°	2882.9	2886.0	2885.0	2827.5	2789.6	2717.8	2668.6	2569.1	2476.8	2358.8	2270.6
42.5°	2621.4	2626.5	2627.5	2573.2	2537.3	2470.6	2426.5	2335.2	2238.8	2140.4	2060.4
45°	2321.9	2331.1	2333.2	2284.0	2251.2	2190.6	2153.7	2071.7	1999.9	1898.4	1828.6
47.5°	1986.6	1999.9	2005.0	1959.9	1928.1	1875.8	1848.1	1778.4	1715.8	1624.5	1566.1
50°	1591.7	1607.1	1594.8	1576.3	1549.7	1508.6	1492.2	1435.8	1369.2	1310.7	1269.7
51°	1420.4	1436.8	1446.1	1410.2	1387.6	1350.7	1338.4	1290.2	1230.7	1180.4	1145.6
52°	1252.2	1269.7	1278.9	1247.1	1227.6	1196.9	1189.7	1147.6	1095.3	1053.3	1024.6
53°	1094.3	1110.7	1100.4	1093.3	1075.8	1050.2	1046.1	1011.2	966.1	931.2	908.7
54°	949.7	964.0	974.3	950.7	935.3	913.8	912.8	884.1	846.1	816.4	800.0
55°	820.5	833.8	843.0	823.5	810.2	791.7	791.7	768.2	736.4	711.8	699.4
57.5°	561.0	570.2	578.4	564.1	554.8	543.6	545.6	531.3	509.7	494.3	487.2
60°	370.2	377.4	382.5	373.3	368.2	361.0	363.1	353.8	346.6	330.2	327.2
61°	308.7	315.9	321.0	312.8	314.9	301.5	304.6	296.4	290.2	283.1	274.9
62°	255.4	261.5	265.6	258.4	260.5	249.2	252.3	246.1	241.0	233.8	227.7
63°	208.2	213.3	217.4	216.4	213.3	204.1	206.1	201.0	196.9	191.8	186.7
64°	169.2	173.3	176.4	176.4	173.3	165.1	167.2	162.0	160.0	154.9	150.8
65°	135.4	138.5	140.5	140.5	138.5	132.3	133.3	130.2	127.2	124.1	121.0
66°	106.7	109.7	111.8	111.8	109.7	104.6	105.6	102.6	100.5	97.4	95.4



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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°	17.4	18.5	18.5	18.5	18.5	17.4	17.4	17.4	16.4	16.4	15.4
75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	8.2	8.2	8.2	8.2
77.5°	6.2	6.2	6.2	6.2	6.2	5.1	5.1	5.1	5.1	5.1	5.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.1	3.1	3.1	3.1
82.5°	2.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1
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°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2
2.5°	612.3	607.1	606.1	598.9	587.7	593.8	580.5	580.5	575.4	573.3	564.1
5°	766.1	755.9	749.7	735.3	724.1	720.0	698.4	692.3	680.0	670.7	654.3
7.5°	952.8	933.3	918.9	896.4	874.8	864.6	831.7	816.4	795.9	777.4	751.8
10°	1158.9	1129.2	1105.6	1071.7	1038.9	1018.4	973.3	940.5	914.8	885.1	849.2
12.5°	1391.7	1349.7	1313.8	1265.6	1219.4	1187.6	1127.1	1079.9	1042.0	999.9	951.7
15°	1640.9	1584.5	1535.3	1470.7	1400.9	1363.0	1287.1	1224.5	1173.3	1116.9	1053.3
17.5°	1883.0	1811.2	1745.5	1665.5	1582.5	1518.9	1435.8	1356.8	1290.2	1216.3	1143.5
20°	2099.4	2012.2	1931.2	1835.8	1740.4	1661.4	1563.0	1468.6	1387.6	1302.5	1216.3
22.5°	2279.9	2178.3	2083.0	1975.3	1866.6	1775.3	1662.5	1555.8	1462.5	1367.1	1268.6
25°	2422.4	2309.6	2202.9	2083.0	1964.0	1862.5	1737.3	1619.4	1516.8	1412.2	1305.6
26°	2467.5	2349.6	2238.8	2110.6	1992.7	1887.1	1758.9	1636.8	1531.2	1424.5	1314.8
27°	2502.4	2380.4	2265.5	2136.3	2014.2	1905.5	1773.2	1649.1	1539.4	1430.7	1318.9
28°	2526.0	2400.9	2281.9	2150.6	2026.5	1914.8	1780.4	1653.2	1541.4	1431.7	1317.9
29°	2541.4	2412.2	2290.1	2158.8	2031.7	1916.8	1780.4	1651.2	1538.4	1426.6	1311.7
30°	2544.5	2413.2	2289.1	2155.8	2026.5	1910.7	1772.2	1642.0	1527.1	1415.3	1299.4
31°	2539.3	2404.0	2277.8	2145.5	2015.3	1896.3	1757.8	1627.6	1513.8	1399.9	1283.0
32°	2524.0	2387.6	2260.4	2127.1	1995.8	1876.8	1738.4	1606.1	1492.2	1379.4	1262.5
33°	2503.4	2364.0	2235.8	2102.4	1972.2	1852.2	1713.7	1582.5	1468.6	1354.8	1238.9
34°	2474.7	2334.2	2205.0	2073.7	1942.5	1822.5	1684.0	1553.8	1439.9	1327.1	1212.2
35°	2435.8	2294.2	2166.0	2036.8	1905.5	1786.6	1649.1	1519.9	1408.1	1296.3	1182.5
36°	2390.6	2251.2	2121.9	1993.7	1863.5	1745.5	1611.2	1483.0	1372.2	1261.5	1149.7
37°	2340.4	2200.9	2073.7	1947.6	1819.4	1702.5	1570.2	1444.0	1335.3	1225.6	1115.8
38°	2281.9	2143.5	2018.3	1895.3	1769.1	1654.3	1525.0	1400.9	1294.3	1186.6	1078.9
39°	2214.2	2078.9	1955.8	1836.8	1713.7	1600.9	1474.8	1353.8	1249.2	1144.5	1038.9
40°	2141.4	2010.1	1890.1	1774.3	1654.3	1544.5	1421.5	1304.5	1203.0	1100.4	997.9
42.5°	1942.5	1819.4	1708.6	1605.0	1494.3	1392.7	1282.0	1174.3	1079.9	985.6	891.2
45°	1724.0	1612.2	1512.7	1421.5	1320.9	1230.7	1131.2	1033.8	948.7	862.5	778.4
47.5°	1476.8	1378.4	1292.2	1215.3	1128.1	1049.2	964.0	879.9	805.1	730.2	656.4
50°	1198.9	1118.9	1051.2	989.7	919.9	855.3	786.6	717.9	656.4	592.8	531.3
51°	1085.1	1013.3	951.7	899.4	834.8	777.4	715.9	653.3	596.9	539.5	482.0
52°	972.3	909.7	856.4	810.2	753.8	702.5	647.1	590.7	539.5	487.2	433.8
53°	864.6	810.2	764.1	725.1	675.9	630.7	581.5	532.3	485.1	437.9	389.7
54°	763.0	716.9	677.9	645.1	602.0	562.0	520.0	475.9	433.8	389.7	345.6
55°	668.7	629.7	596.9	569.2	532.3	497.4	461.5	422.5	384.6	344.6	310.8
57.5°	468.7	443.1	421.5	404.1	379.5	362.0	331.3	304.6	281.0	246.1	220.5
60°	315.9	298.4	285.1	274.9	258.4	249.2	227.7	208.2	192.8	167.2	148.7
61°	265.6	251.3	240.0	231.8	218.4	210.2	191.8	176.4	162.0	140.5	124.1
62°	220.5	208.2	204.1	192.8	181.5	175.4	160.0	146.7	135.4	115.9	102.6
63°	180.5	170.2	167.2	157.9	148.7	144.6	131.3	121.0	110.8	94.4	84.1
64°	145.6	137.4	135.4	128.2	121.0	116.9	106.7	97.4	89.2	75.9	67.7
65°	115.9	112.8	107.7	102.6	96.4	93.3	85.1	77.9	70.8	60.5	54.4
66°	91.3	89.2	84.1	80.0	74.9	72.8	65.6	60.5	55.4	47.2	43.1



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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°	14.4	14.4	13.3	13.3	11.3	11.3	10.3	9.2	9.2	8.2	8.2
75°	7.2	7.2	7.2	7.2	6.2	6.2	6.2	6.2	5.1	5.1	5.1
77.5°	5.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
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: P175562

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2
2.5°	561.0	551.8	547.7	544.6	538.4	533.3	526.1	522.0	512.8	513.8	502.5
5°	644.1	627.7	617.4	606.1	593.8	582.5	568.2	557.9	542.5	537.4	520.0
7.5°	732.3	706.6	689.2	668.7	649.2	629.7	607.1	589.7	569.2	555.9	532.3
10°	819.4	787.6	755.9	726.1	697.4	669.7	638.9	615.3	586.6	567.1	538.4
12.5°	909.7	862.5	823.5	784.6	745.6	709.7	670.7	637.9	601.0	576.4	541.5
15°	998.9	939.4	890.2	840.0	791.7	745.6	698.4	658.4	615.3	583.6	542.5
17.5°	1076.9	1006.1	945.6	883.0	827.6	773.3	716.9	670.7	621.5	584.6	539.5
20°	1137.4	1056.3	986.6	914.8	851.2	788.7	727.1	675.9	621.5	580.5	531.3
22.5°	1179.4	1091.2	1013.3	935.3	864.6	797.9	730.2	675.9	618.4	574.3	525.1
25°	1208.1	1114.8	1030.7	947.6	872.8	802.0	732.3	674.8	616.4	572.3	521.0
26°	1214.3	1118.9	1033.8	948.7	872.8	801.0	730.2	672.8	614.3	570.2	518.9
27°	1216.3	1119.9	1032.8	947.6	870.7	797.9	727.1	669.7	610.2	566.1	515.9
28°	1213.3	1116.9	1028.7	942.5	865.6	791.7	721.0	663.6	604.1	561.0	509.7
29°	1206.1	1108.7	1020.5	934.3	857.4	782.5	711.8	655.3	595.9	552.8	502.5
30°	1193.8	1096.3	1008.1	921.0	844.1	770.2	699.4	643.0	584.6	541.5	491.3
31°	1177.4	1081.0	992.8	905.6	828.7	755.9	685.1	629.7	571.2	529.2	478.9
32°	1156.9	1063.5	973.3	887.1	810.2	738.4	668.7	613.3	555.9	513.8	464.6
33°	1133.3	1042.0	951.7	866.6	791.7	720.0	650.2	595.9	540.5	498.4	450.2
34°	1107.6	1018.4	928.2	845.1	770.2	699.4	631.8	578.4	523.0	482.0	435.9
35°	1078.9	991.7	902.5	819.4	747.6	677.9	611.2	558.9	504.6	464.6	419.5
36°	1048.1	963.0	874.8	796.9	723.0	654.3	590.7	538.4	485.1	446.1	402.0
37°	1016.4	933.3	847.1	771.2	698.4	631.8	569.2	517.9	466.6	428.7	385.6
38°	981.5	901.5	816.4	743.5	671.8	607.1	545.6	496.4	447.2	410.2	368.2
39°	944.6	863.5	784.6	713.8	644.1	581.5	522.0	474.8	425.6	390.7	349.7
40°	906.6	827.6	751.8	683.0	615.3	555.9	497.4	451.3	405.1	370.2	331.3
42.5°	808.2	736.4	665.6	604.1	540.5	486.1	432.8	390.7	348.7	317.9	283.1
45°	703.5	640.0	575.4	520.0	462.5	413.3	366.1	328.2	290.2	264.6	234.9
47.5°	596.9	535.4	478.9	429.7	383.6	336.4	296.4	263.6	232.8	212.3	190.8
50°	475.9	430.7	381.5	340.5	297.4	262.5	228.7	205.1	182.6	169.2	152.8
51°	430.7	388.7	343.6	305.6	265.6	233.8	205.1	184.6	165.1	153.8	139.5
52°	392.8	348.7	306.6	271.8	239.0	208.2	183.6	166.1	149.7	139.5	126.1
53°	346.6	311.8	272.8	241.0	211.3	184.6	164.1	148.7	134.4	126.1	114.9
54°	307.7	275.9	240.0	211.3	186.7	164.1	145.6	133.3	121.0	112.8	103.6
55°	270.8	246.1	209.2	184.6	164.1	144.6	130.2	119.0	107.7	101.5	92.3
57.5°	189.7	168.2	145.6	131.3	117.9	105.6	95.4	87.2	80.0	75.9	68.7
60°	126.1	112.8	99.5	90.3	82.0	74.9	67.7	61.5	56.4	54.4	49.2
61°	105.6	95.4	84.1	77.9	70.8	63.6	57.4	53.3	49.2	47.2	43.1
62°	90.3	80.0	70.8	65.6	59.5	54.4	49.2	45.1	42.0	40.0	36.9
63°	73.8	66.7	59.5	55.4	50.3	45.1	42.0	37.9	35.9	33.8	30.8
64°	60.5	54.4	49.2	45.1	42.0	36.9	34.9	31.8	28.7	28.7	25.6
65°	49.2	44.1	40.0	36.9	33.8	30.8	28.7	25.6	23.6	22.6	20.5
66°	39.0	34.9	31.8	29.7	26.7	24.6	22.6	20.5	18.5	18.5	16.4



TEST NUMBER: P175562

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	7.2	7.2	7.2	6.2	6.2	6.2	6.2	5.1	5.1	5.1	5.1
75°	5.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P175562

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2
2.5°	499.5	497.4	485.1	481.0	438.9	403.1	388.7	379.5
5°	511.8	503.6	486.1	477.9	399.0	342.5	316.9	305.6
7.5°	518.9	504.6	481.0	468.7	360.0	292.3	260.5	249.2
10°	517.9	499.5	471.8	454.3	324.1	251.3	219.5	208.2
12.5°	516.9	493.3	461.5	440.0	294.3	221.5	188.7	178.5
15°	513.8	485.1	450.2	425.6	268.7	196.9	167.2	157.9
17.5°	505.6	474.8	435.9	409.2	247.2	178.5	152.8	143.6
20°	495.4	461.5	422.5	394.8	233.8	171.3	149.7	143.6
22.5°	487.2	452.3	413.3	386.6	237.9	192.8	191.8	195.9
25°	484.1	450.2	411.3	386.6	258.4	232.8	246.1	253.3
26°	482.0	449.2	411.3	386.6	264.6	243.1	255.4	263.6
27°	478.9	446.1	409.2	384.6	267.7	248.2	259.5	265.6
28°	473.8	441.0	404.1	381.5	267.7	248.2	257.4	262.5
29°	466.6	434.8	397.9	375.4	264.6	244.1	251.3	255.4
30°	456.4	424.6	388.7	366.1	257.4	237.9	242.0	245.1
31°	444.1	413.3	377.4	355.9	250.2	229.7	232.8	234.9
32°	430.7	400.0	365.1	344.6	241.0	220.5	222.6	223.6
33°	416.4	386.6	352.8	332.3	232.8	212.3	212.3	213.3
34°	402.0	372.3	341.5	320.0	224.6	205.1	203.1	204.1
35°	387.7	357.9	328.2	307.7	216.4	196.9	194.9	194.9
36°	371.3	342.5	313.8	294.3	208.2	190.8	186.7	186.7
37°	355.9	328.2	300.5	281.0	199.0	183.6	179.5	178.5
38°	339.5	312.8	286.1	267.7	190.8	176.4	172.3	171.3
39°	323.1	297.4	271.8	254.3	182.6	169.2	166.1	164.1
40°	305.6	281.0	257.4	240.0	174.3	161.0	159.0	156.9
42.5°	260.5	239.0	219.5	207.2	153.8	141.5	138.5	139.5
45°	216.4	200.0	184.6	176.4	133.3	122.0	119.0	119.0
47.5°	177.4	165.1	154.9	146.7	111.8	101.5	98.5	94.4
50°	143.6	134.4	126.1	121.0	92.3	82.0	75.9	71.8
51°	131.3	123.1	115.9	110.8	84.1	73.8	66.7	62.6
52°	119.0	111.8	105.6	101.5	75.9	65.6	58.5	54.4
53°	107.7	101.5	96.4	92.3	68.7	58.5	51.3	47.2
54°	97.4	91.3	87.2	83.1	61.5	51.3	43.1	40.0
55°	88.2	82.0	79.0	74.9	54.4	44.1	35.9	33.8
57.5°	65.6	61.5	59.5	56.4	40.0	28.7	21.5	18.5
60°	47.2	44.1	43.1	41.0	25.6	15.4	11.3	9.2
61°	41.0	39.0	36.9	34.9	20.5	12.3	9.2	8.2
62°	34.9	32.8	30.8	29.7	16.4	10.3	8.2	7.2
63°	28.7	27.7	25.6	24.6	13.3	8.2	7.2	6.2
64°	23.6	22.6	20.5	19.5	11.3	7.2	6.2	5.1
65°	19.5	18.5	16.4	15.4	9.2	6.2	5.1	4.1
66°	15.4	14.4	13.3	12.3	8.2	6.2	4.1	4.1



TEST NUMBER: P175562

CATALOG NUMBER: LDA6A30840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	5.1	5.1	4.1	4.1	4.1	4.1	4.1	3.1
75°	4.1	4.1	4.1	4.1	4.1	4.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	4.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1
85°	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1
87.5°	2.1	3.1	3.1	3.1	3.1	2.1	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°	73.8	75.9	76.9	76.9	75.9	71.8	72.8	70.8	68.7	66.7	64.6
70°	36.9	37.9	39.0	39.0	37.9	35.9	36.9	35.9	34.9	33.8	31.8





67.5°	62.6	60.5	57.4	54.4	50.3	49.2	44.1	40.0	36.9	31.8	29.7
70°	30.8	29.7	27.7	25.6	24.6	23.6	20.5	19.5	17.4	15.4	14.4





67.5°	26.7	23.6	21.5	20.5	18.5	17.4	16.4	14.4	13.3	13.3	12.3
70°	13.3	12.3	11.3	11.3	10.3	9.2	9.2	8.2	8.2	8.2	7.2





67.5°	11.3	11.3	10.3	9.2	6.2	5.1	4.1	4.1
70°	7.2	7.2	6.2	6.2	5.1	4.1	4.1	3.1



(END OF REPORT)