

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: P175554

Luminaire Tested: **LDA6A15840D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175554
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: LDA6A15840D010TE 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: 1065.3 lumens
Efficiency: N/A
Efficacy: 47.8 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

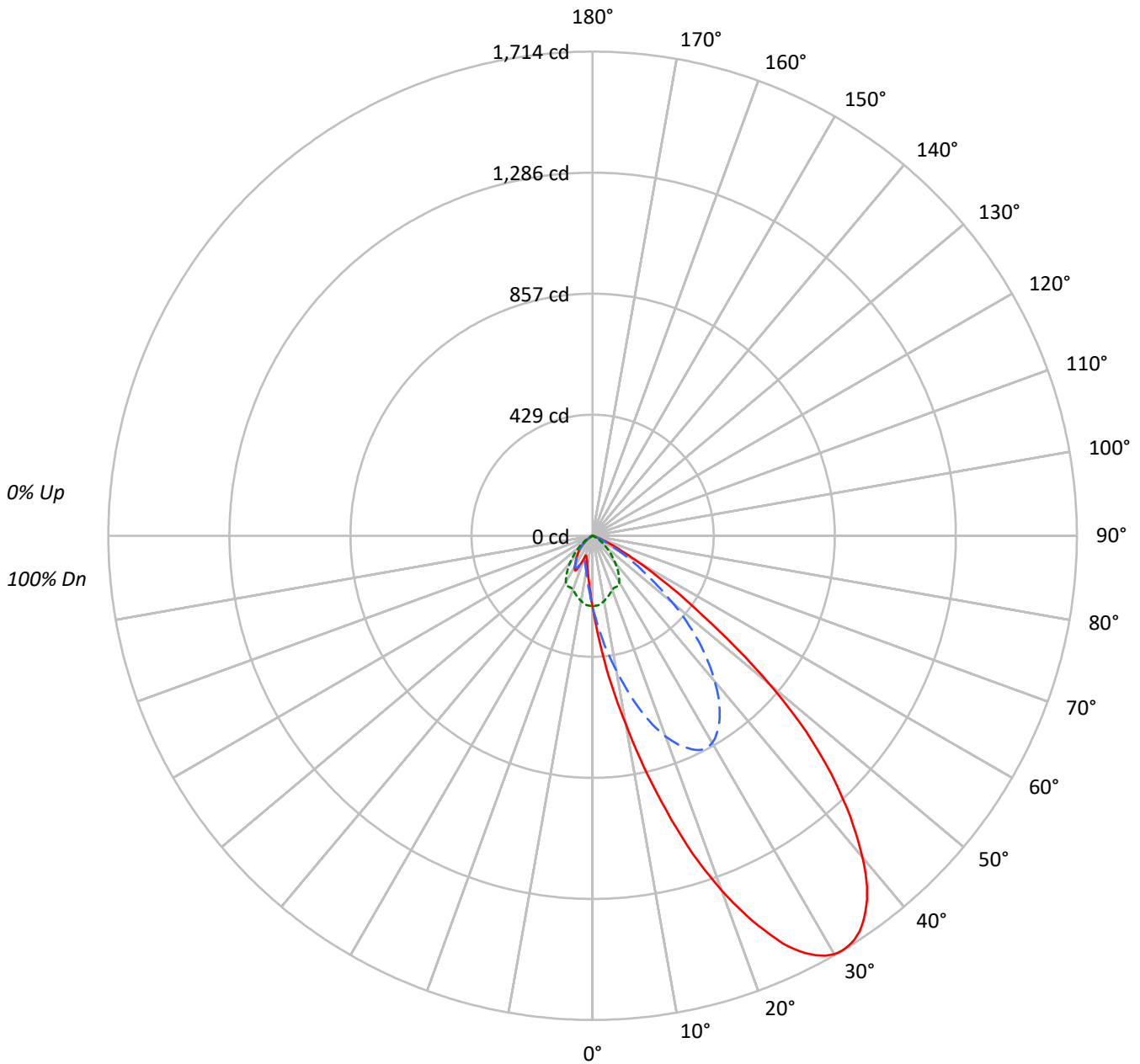
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

Luminous Intensity Polar Plot





TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

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			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	87	101	96	91	86	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61			61
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	65	60	56	54			54
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48			48
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			42
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			38
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34			34
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	13793	13793	13793
5°	23476	13559	8667
10°	37697	13037	5973
15°	57129	12452	4620
20°	77998	11872	4317
25°	96284	12055	7900
30°	108263	11945	8001
35°	111695	10614	6719
40°	106349	8852	5789
45°	92793	7047	4752
50°	69976	5322	3156
55°	40419	3689	1663
60°	20930	2313	526
65°	9054	1025	272
70°	3045	513	256
75°	1017	445	339
80°	663	505	347
85°	314	1006	692



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	2.5
10°-20°	108.7	10.2
20°-30°	231.5	21.7
30°-40°	300.5	28.2
40°-50°	252.0	23.7
50°-60°	116.2	10.9
60°-70°	25.1	2.4
70°-80°	3.3	0.3
80°-90°	1.2	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°	367.1	34.5
0°-40°	667.6	62.7
0°-60°	1035.8	97.2
0°-90°	1065.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	252	252	252	252	252	
5°	427	357	246	177	158	48
15°	1007	631	219	102	81	296
25°	1592	835	199	120	131	730
35°	1669	784	159	102	100	1031
45°	1197	533	91	63	61	908
55°	423	218	39	23	17	402
65°	70	40	8	3	2	80
75°	5	3	2	2	2	7
85°	0	1	2	2	1	1
90°	0	0	0	0	0	



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6
2.5°	325.7	320.9	325.1	325.1	322.5	320.4	324.1	319.3	322.0	317.2	317.2
5°	426.6	414.5	420.3	419.8	415.0	416.1	414.5	407.6	409.2	401.8	399.7
7.5°	545.1	532.4	538.7	537.1	530.3	529.7	527.1	516.0	516.0	504.9	499.1
10°	677.2	667.7	675.1	671.9	663.5	659.8	655.6	640.2	637.1	620.1	610.6
12.5°	836.9	832.1	824.2	818.9	815.2	809.4	802.0	781.9	774.5	751.8	737.0
15°	1006.6	1004.5	995.5	996.5	982.3	965.4	969.6	936.3	923.6	894.0	873.9
17.5°	1182.6	1176.3	1167.8	1156.2	1148.8	1128.7	1119.7	1088.5	1070.0	1033.0	1008.2
20°	1337.0	1334.4	1327.0	1312.2	1301.1	1278.3	1264.1	1228.1	1202.2	1158.9	1128.7
22.5°	1474.5	1470.2	1463.4	1445.4	1432.2	1405.2	1387.2	1346.0	1314.3	1265.1	1228.6
25°	1591.8	1583.9	1578.1	1556.4	1542.1	1510.4	1489.3	1443.3	1405.7	1351.3	1309.0
26°	1628.3	1621.4	1616.2	1593.4	1578.1	1544.8	1522.6	1474.5	1434.3	1378.8	1333.8
27°	1658.4	1652.6	1648.4	1624.6	1608.2	1573.9	1549.5	1500.9	1458.1	1401.0	1354.5
28°	1682.2	1677.0	1672.7	1647.9	1631.0	1595.5	1569.6	1519.9	1475.0	1416.3	1368.7
29°	1699.7	1694.4	1691.2	1664.8	1647.9	1611.4	1584.4	1533.2	1486.6	1426.9	1377.7
30°	1710.3	1705.0	1701.8	1674.3	1657.4	1620.4	1591.3	1540.0	1491.4	1431.1	1380.9
31°	1714.0	1708.1	1706.0	1678.0	1660.0	1622.0	1592.9	1540.0	1490.3	1429.5	1378.3
32°	1710.8	1705.5	1703.9	1675.4	1656.9	1618.3	1588.7	1535.3	1484.5	1423.2	1370.8
33°	1703.4	1698.1	1697.0	1668.0	1649.5	1609.8	1580.7	1526.3	1474.5	1412.6	1360.3
34°	1689.6	1684.4	1684.4	1654.7	1635.7	1596.1	1567.0	1512.5	1459.1	1397.8	1344.9
35°	1669.0	1666.9	1664.8	1634.7	1615.6	1576.0	1546.9	1491.9	1438.5	1377.7	1323.8
36°	1643.6	1642.1	1639.9	1609.8	1590.2	1550.6	1522.6	1467.6	1413.7	1353.4	1300.0
37°	1613.5	1612.5	1610.9	1580.7	1561.2	1522.1	1493.5	1439.6	1385.7	1325.9	1272.5
38°	1577.0	1577.0	1575.4	1545.3	1525.8	1487.2	1459.7	1405.7	1352.3	1293.7	1241.3
39°	1533.7	1534.7	1533.7	1503.5	1484.0	1445.9	1419.5	1367.1	1313.8	1256.7	1209.6
40°	1486.1	1487.7	1487.2	1457.6	1438.0	1401.0	1375.6	1324.3	1276.7	1215.9	1170.5
42.5°	1351.3	1353.9	1354.5	1326.4	1307.9	1273.6	1250.8	1203.8	1154.1	1103.3	1062.1
45°	1196.9	1201.7	1202.7	1177.4	1160.4	1129.2	1110.2	1067.9	1030.9	978.6	942.6
47.5°	1024.0	1030.9	1033.6	1010.3	993.9	966.9	952.7	916.7	884.5	837.4	807.3
50°	820.5	828.4	822.1	812.6	798.8	777.7	769.2	740.1	705.8	675.6	654.5
51°	732.2	740.7	745.4	726.9	715.3	696.3	689.9	665.1	634.4	608.5	590.5
52°	645.5	654.5	659.3	642.9	632.8	617.0	613.3	591.6	564.6	542.9	528.1
53°	564.1	572.6	567.3	563.6	554.6	541.4	539.2	521.3	498.0	480.0	468.4
54°	489.6	497.0	502.2	490.1	482.1	471.0	470.5	455.7	436.2	420.8	412.4
55°	422.9	429.8	434.6	424.5	417.7	408.1	408.1	396.0	379.6	366.9	360.6
57.5°	289.2	293.9	298.2	290.8	286.0	280.2	281.3	273.9	262.8	254.8	251.1
60°	190.9	194.6	197.2	192.4	189.8	186.1	187.2	182.4	178.7	170.2	168.6
61°	159.1	162.8	165.5	161.2	162.3	155.4	157.0	152.8	149.6	145.9	141.7
62°	131.6	134.8	136.9	133.2	134.3	128.5	130.1	126.9	124.2	120.5	117.4
63°	107.3	110.0	112.1	111.6	110.0	105.2	106.3	103.6	101.5	98.9	96.2
64°	87.2	89.3	90.9	90.9	89.3	85.1	86.2	83.5	82.5	79.8	77.7
65°	69.8	71.4	72.4	72.4	71.4	68.2	68.7	67.1	65.6	64.0	62.4
66°	55.0	56.6	57.6	57.6	56.6	53.9	54.5	52.9	51.8	50.2	49.2



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	9.0	9.5	9.5	9.5	9.5	9.0	9.0	9.0	8.5	8.5	7.9
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.2	4.2	4.2	4.2
77.5°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.6	1.6	1.6
82.5°	1.1	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.6	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6
2.5°	315.6	313.0	312.4	308.7	302.9	306.1	299.2	299.2	296.6	295.5	290.8
5°	394.9	389.6	386.5	379.1	373.2	371.1	360.0	356.9	350.5	345.8	337.3
7.5°	491.1	481.1	473.7	462.1	451.0	445.7	428.8	420.8	410.3	400.7	387.5
10°	597.4	582.1	569.9	552.5	535.5	525.0	501.7	484.8	471.6	456.2	437.7
12.5°	717.4	695.7	677.2	652.4	628.6	612.2	581.0	556.7	537.1	515.5	490.6
15°	845.9	816.8	791.4	758.1	722.2	702.6	663.5	631.2	604.8	575.7	542.9
17.5°	970.6	933.6	899.8	858.6	815.7	783.0	740.1	699.4	665.1	627.0	589.5
20°	1082.2	1037.3	995.5	946.3	897.2	856.5	805.7	757.1	715.3	671.4	627.0
22.5°	1175.2	1122.9	1073.7	1018.2	962.2	915.1	857.0	802.0	753.9	704.7	654.0
25°	1248.7	1190.6	1135.6	1073.7	1012.4	960.1	895.6	834.8	781.9	728.0	673.0
26°	1272.0	1211.2	1154.1	1088.0	1027.2	972.8	906.7	843.8	789.3	734.3	677.8
27°	1290.0	1227.1	1167.8	1101.2	1038.3	982.3	914.1	850.1	793.5	737.5	679.9
28°	1302.1	1237.6	1176.3	1108.6	1044.7	987.0	917.8	852.2	794.6	738.0	679.3
29°	1310.1	1243.4	1180.5	1112.9	1047.3	988.1	917.8	851.2	793.0	735.4	676.2
30°	1311.6	1244.0	1180.0	1111.3	1044.7	984.9	913.5	846.4	787.2	729.6	669.8
31°	1309.0	1239.2	1174.2	1106.0	1038.8	977.5	906.1	839.0	780.3	721.6	661.4
32°	1301.1	1230.8	1165.2	1096.5	1028.8	967.5	896.1	827.9	769.2	711.1	650.8
33°	1290.5	1218.6	1152.5	1083.8	1016.6	954.8	883.4	815.7	757.1	698.4	638.6
34°	1275.7	1203.3	1136.6	1069.0	1001.3	939.5	868.1	800.9	742.3	684.1	624.9
35°	1255.6	1182.6	1116.6	1049.9	982.3	920.9	850.1	783.5	725.9	668.2	609.6
36°	1232.3	1160.4	1093.8	1027.7	960.6	899.8	830.5	764.5	707.4	650.3	592.6
37°	1206.4	1134.5	1069.0	1004.0	937.9	877.6	809.4	744.4	688.3	631.8	575.2
38°	1176.3	1104.9	1040.4	977.0	912.0	852.7	786.1	722.2	667.2	611.7	556.2
39°	1141.4	1071.6	1008.2	946.9	883.4	825.3	760.2	697.8	643.9	590.0	535.5
40°	1103.9	1036.2	974.3	914.6	852.7	796.2	732.7	672.5	620.1	567.3	514.4
42.5°	1001.3	937.9	880.8	827.4	770.3	717.9	660.8	605.3	556.7	508.1	459.4
45°	888.7	831.1	779.8	732.7	680.9	634.4	583.1	532.9	489.0	444.6	401.3
47.5°	761.3	710.5	666.1	626.5	581.5	540.8	497.0	453.6	415.0	376.4	338.4
50°	618.0	576.8	541.9	510.2	474.2	440.9	405.5	370.1	338.4	305.6	273.9
51°	559.3	522.3	490.6	463.6	430.3	400.7	369.0	336.8	307.7	278.1	248.5
52°	501.2	468.9	441.4	417.7	388.6	362.1	333.6	304.5	278.1	251.1	223.6
53°	445.7	417.7	393.9	373.8	348.4	325.1	299.8	274.4	250.1	225.7	200.9
54°	393.3	369.5	349.5	332.5	310.3	289.7	268.0	245.3	223.6	200.9	178.2
55°	344.7	324.6	307.7	293.4	274.4	256.4	237.9	217.8	198.3	177.6	160.2
57.5°	241.6	228.4	217.3	208.3	195.6	186.6	170.8	157.0	144.9	126.9	113.7
60°	162.8	153.8	147.0	141.7	133.2	128.5	117.4	107.3	99.4	86.2	76.7
61°	136.9	129.5	123.7	119.5	112.6	108.4	98.9	90.9	83.5	72.4	64.0
62°	113.7	107.3	105.2	99.4	93.6	90.4	82.5	75.6	69.8	59.7	52.9
63°	93.0	87.8	86.2	81.4	76.7	74.5	67.7	62.4	57.1	48.6	43.4
64°	75.1	70.8	69.8	66.1	62.4	60.3	55.0	50.2	46.0	39.1	34.9
65°	59.7	58.2	55.5	52.9	49.7	48.1	43.9	40.2	36.5	31.2	28.0
66°	47.1	46.0	43.4	41.2	38.6	37.5	33.8	31.2	28.5	24.3	22.2



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	7.4	7.4	6.9	6.9	5.8	5.8	5.3	4.8	4.8	4.2	4.2
75°	3.7	3.7	3.7	3.7	3.2	3.2	3.2	3.2	2.6	2.6	2.6
77.5°	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
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: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6
2.5°	289.2	284.4	282.3	280.7	277.6	274.9	271.2	269.1	264.3	264.9	259.0
5°	332.0	323.5	318.3	312.4	306.1	300.3	292.9	287.6	279.7	277.0	268.0
7.5°	377.5	364.3	355.3	344.7	334.7	324.6	313.0	304.0	293.4	286.5	274.4
10°	422.4	406.0	389.6	374.3	359.5	345.2	329.4	317.2	302.4	292.4	277.6
12.5°	468.9	444.6	424.5	404.4	384.3	365.8	345.8	328.8	309.8	297.1	279.1
15°	514.9	484.3	458.9	433.0	408.1	384.3	360.0	339.4	317.2	300.8	279.7
17.5°	555.1	518.6	487.4	455.2	426.6	398.6	369.5	345.8	320.4	301.3	278.1
20°	586.3	544.5	508.6	471.6	438.8	406.5	374.8	348.4	320.4	299.2	273.9
22.5°	608.0	562.5	522.3	482.1	445.7	411.3	376.4	348.4	318.8	296.1	270.7
25°	622.8	574.7	531.3	488.5	449.9	413.4	377.5	347.9	317.7	295.0	268.6
26°	625.9	576.8	532.9	489.0	449.9	412.9	376.4	346.8	316.7	293.9	267.5
27°	627.0	577.3	532.4	488.5	448.8	411.3	374.8	345.2	314.6	291.8	265.9
28°	625.4	575.7	530.3	485.9	446.2	408.1	371.7	342.1	311.4	289.2	262.8
29°	621.7	571.5	526.0	481.6	442.0	403.4	366.9	337.8	307.2	285.0	259.0
30°	615.4	565.2	519.7	474.7	435.1	397.0	360.6	331.5	301.3	279.1	253.2
31°	606.9	557.2	511.8	466.8	427.2	389.6	353.2	324.6	294.5	272.8	246.9
32°	596.3	548.2	501.7	457.3	417.7	380.6	344.7	316.1	286.5	264.9	239.5
33°	584.2	537.1	490.6	446.7	408.1	371.1	335.2	307.2	278.6	256.9	232.1
34°	571.0	525.0	478.4	435.6	397.0	360.6	325.7	298.2	269.6	248.5	224.7
35°	556.2	511.2	465.2	422.4	385.4	349.5	315.1	288.1	260.1	239.5	216.2
36°	540.3	496.4	451.0	410.8	372.7	337.3	304.5	277.6	250.1	230.0	207.2
37°	523.9	481.1	436.7	397.6	360.0	325.7	293.4	267.0	240.5	221.0	198.8
38°	505.9	464.7	420.8	383.3	346.3	313.0	281.3	255.9	230.5	211.5	189.8
39°	486.9	445.1	404.4	368.0	332.0	299.8	269.1	244.8	219.4	201.4	180.3
40°	467.3	426.6	387.5	352.1	317.2	286.5	256.4	232.6	208.8	190.9	170.8
42.5°	416.6	379.6	343.1	311.4	278.6	250.6	223.1	201.4	179.7	163.9	145.9
45°	362.7	329.9	296.6	268.0	238.4	213.1	188.7	169.2	149.6	136.4	121.1
47.5°	307.7	276.0	246.9	221.5	197.7	173.4	152.8	135.9	120.0	109.4	98.3
50°	245.3	222.0	196.7	175.5	153.3	135.3	117.9	105.7	94.1	87.2	78.8
51°	222.0	200.4	177.1	157.5	136.9	120.5	105.7	95.2	85.1	79.3	71.9
52°	202.5	179.7	158.1	140.1	123.2	107.3	94.6	85.6	77.2	71.9	65.0
53°	178.7	160.7	140.6	124.2	108.9	95.2	84.6	76.7	69.3	65.0	59.2
54°	158.6	142.2	123.7	108.9	96.2	84.6	75.1	68.7	62.4	58.2	53.4
55°	139.6	126.9	107.8	95.2	84.6	74.5	67.1	61.3	55.5	52.3	47.6
57.5°	97.8	86.7	75.1	67.7	60.8	54.5	49.2	44.9	41.2	39.1	35.4
60°	65.0	58.2	51.3	46.5	42.3	38.6	34.9	31.7	29.1	28.0	25.4
61°	54.5	49.2	43.4	40.2	36.5	32.8	29.6	27.5	25.4	24.3	22.2
62°	46.5	41.2	36.5	33.8	30.7	28.0	25.4	23.3	21.7	20.6	19.0
63°	38.1	34.4	30.7	28.5	25.9	23.3	21.7	19.6	18.5	17.4	15.9
64°	31.2	28.0	25.4	23.3	21.7	19.0	18.0	16.4	14.8	14.8	13.2
65°	25.4	22.7	20.6	19.0	17.4	15.9	14.8	13.2	12.2	11.6	10.6
66°	20.1	18.0	16.4	15.3	13.7	12.7	11.6	10.6	9.5	9.5	8.5



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	3.7	3.7	3.7	3.2	3.2	3.2	3.2	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6
2.5°	257.5	256.4	250.1	247.9	226.3	207.8	200.4	195.6
5°	263.8	259.6	250.6	246.4	205.7	176.6	163.4	157.5
7.5°	267.5	260.1	247.9	241.6	185.6	150.7	134.3	128.5
10°	267.0	257.5	243.2	234.2	167.1	129.5	113.1	107.3
12.5°	266.5	254.3	237.9	226.8	151.7	114.2	97.3	92.0
15°	264.9	250.1	232.1	219.4	138.5	101.5	86.2	81.4
17.5°	260.6	244.8	224.7	210.9	127.4	92.0	78.8	74.0
20°	255.3	237.9	217.8	203.5	120.5	88.3	77.2	74.0
22.5°	251.1	233.1	213.1	199.3	122.7	99.4	98.9	101.0
25°	249.5	232.1	212.0	199.3	133.2	120.0	126.9	130.6
26°	248.5	231.6	212.0	199.3	136.4	125.3	131.6	135.9
27°	246.9	230.0	210.9	198.3	138.0	127.9	133.8	136.9
28°	244.2	227.3	208.3	196.7	138.0	127.9	132.7	135.3
29°	240.5	224.2	205.1	193.5	136.4	125.8	129.5	131.6
30°	235.3	218.9	200.4	188.7	132.7	122.7	124.8	126.4
31°	228.9	213.1	194.6	183.4	129.0	118.4	120.0	121.1
32°	222.0	206.2	188.2	177.6	124.2	113.7	114.7	115.3
33°	214.6	199.3	181.9	171.3	120.0	109.4	109.4	110.0
34°	207.2	191.9	176.0	164.9	115.8	105.7	104.7	105.2
35°	199.8	184.5	169.2	158.6	111.6	101.5	100.4	100.4
36°	191.4	176.6	161.8	151.7	107.3	98.3	96.2	96.2
37°	183.4	169.2	154.9	144.9	102.6	94.6	92.5	92.0
38°	175.0	161.2	147.5	138.0	98.3	90.9	88.8	88.3
39°	166.5	153.3	140.1	131.1	94.1	87.2	85.6	84.6
40°	157.5	144.9	132.7	123.7	89.9	83.0	81.9	80.9
42.5°	134.3	123.2	113.1	106.8	79.3	73.0	71.4	71.9
45°	111.6	103.1	95.2	90.9	68.7	62.9	61.3	61.3
47.5°	91.5	85.1	79.8	75.6	57.6	52.3	50.8	48.6
50°	74.0	69.3	65.0	62.4	47.6	42.3	39.1	37.0
51°	67.7	63.4	59.7	57.1	43.4	38.1	34.4	32.2
52°	61.3	57.6	54.5	52.3	39.1	33.8	30.1	28.0
53°	55.5	52.3	49.7	47.6	35.4	30.1	26.4	24.3
54°	50.2	47.1	44.9	42.8	31.7	26.4	22.2	20.6
55°	45.5	42.3	40.7	38.6	28.0	22.7	18.5	17.4
57.5°	33.8	31.7	30.7	29.1	20.6	14.8	11.1	9.5
60°	24.3	22.7	22.2	21.1	13.2	7.9	5.8	4.8
61°	21.1	20.1	19.0	18.0	10.6	6.3	4.8	4.2
62°	18.0	16.9	15.9	15.3	8.5	5.3	4.2	3.7
63°	14.8	14.3	13.2	12.7	6.9	4.2	3.7	3.2
64°	12.2	11.6	10.6	10.0	5.8	3.7	3.2	2.6
65°	10.0	9.5	8.5	7.9	4.8	3.2	2.6	2.1
66°	7.9	7.4	6.9	6.3	4.2	3.2	2.1	2.1



TEST NUMBER: P175554

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	2.6	2.6	2.1	2.1	2.1	2.1	2.1	1.6
75°	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	2.1	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.1	1.1
87.5°	1.1	1.6	1.6	1.6	1.6	1.1	0.5	0.5
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°	38.1	39.1	39.7	39.7	39.1	37.0	37.5	36.5	35.4	34.4	33.3
70°	19.0	19.6	20.1	20.1	19.6	18.5	19.0	18.5	18.0	17.4	16.4





67.5°	32.2	31.2	29.6	28.0	25.9	25.4	22.7	20.6	19.0	16.4	15.3
70°	15.9	15.3	14.3	13.2	12.7	12.2	10.6	10.0	9.0	7.9	7.4





67.5°	13.7	12.2	11.1	10.6	9.5	9.0	8.5	7.4	6.9	6.9	6.3
70°	6.9	6.3	5.8	5.8	5.3	4.8	4.8	4.2	4.2	4.2	3.7





67.5°	5.8	5.8	5.3	4.8	3.2	2.6	2.1	2.1
70°	3.7	3.7	3.2	3.2	2.6	2.1	2.1	1.6



(END OF REPORT)