

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: P175540

Luminaire Tested: **LDA6A20930D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175540
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: LDA6A20930D010TE 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: 1046.8 lumens
Efficiency: N/A
Efficacy: 35.9 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

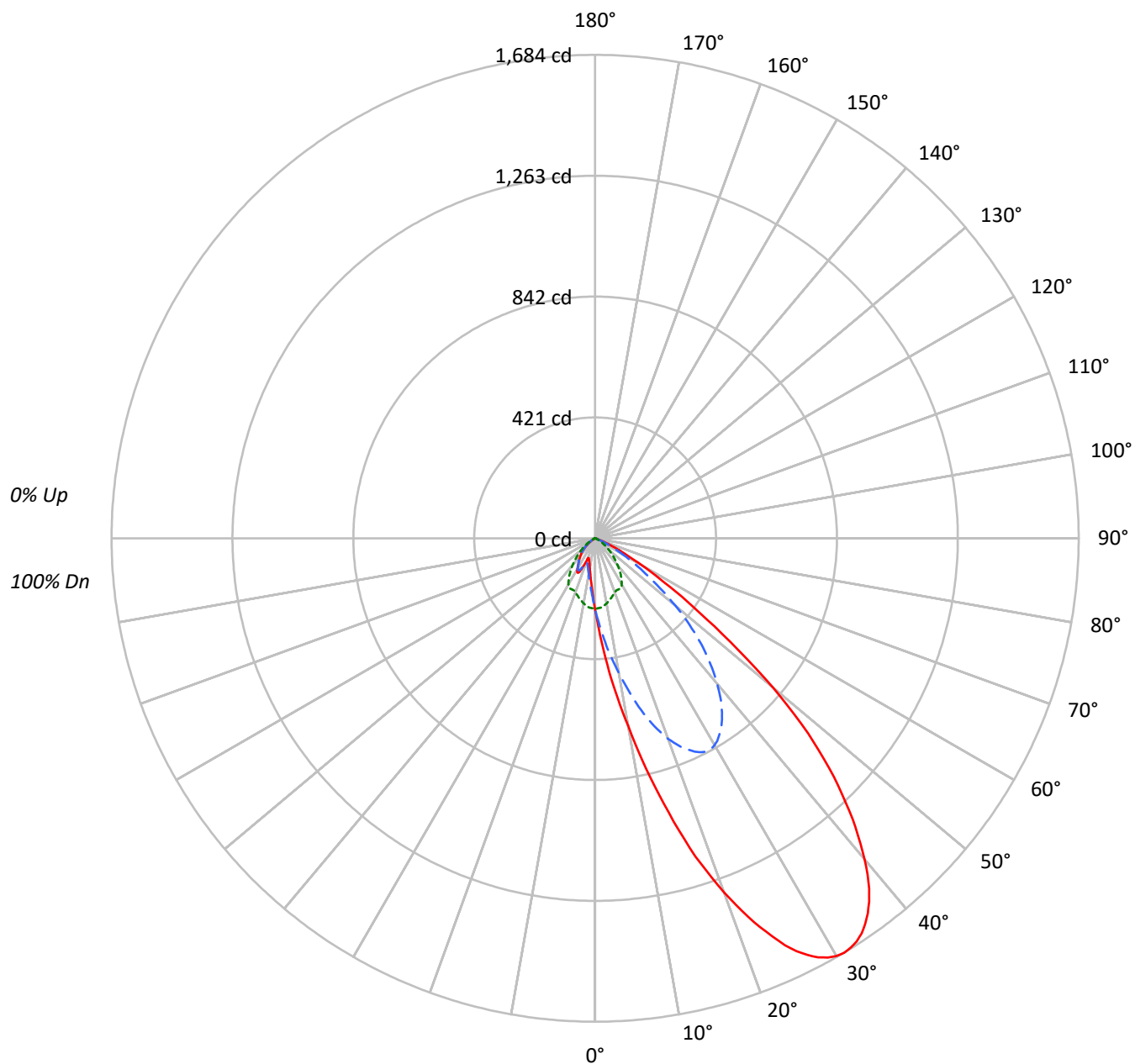
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

Luminous Intensity Polar Plot





TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	13557	13557	13557
5°	23068	13323	8519
10°	37046	12809	5873
15°	56135	12236	4540
20°	76645	11668	4241
25°	94608	11843	7761
30°	106377	11742	7862
35°	109754	10427	6605
40°	104503	8702	5689
45°	91180	6931	4675
50°	68757	5228	3104
55°	39721	3622	1634
60°	20558	2281	515
65°	8898	1012	272
70°	2997	497	256
75°	996	445	339
80°	663	505	316
85°	314	1006	629



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	2.5
10°-20°	106.8	10.2
20°-30°	227.4	21.7
30°-40°	295.3	28.2
40°-50°	247.6	23.7
50°-60°	114.2	10.9
60°-70°	24.7	2.4
70°-80°	3.2	0.3
80°-90°	1.1	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°	360.7	34.5
0°-40°	656.0	62.7
0°-60°	1017.8	97.2
0°-90°	1046.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	247	247	247	247	247	
5°	419	351	242	174	155	48
15°	989	620	216	100	80	290
25°	1564	820	196	118	128	718
35°	1640	770	156	100	99	1013
45°	1176	524	89	62	60	892
55°	416	214	38	22	17	395
65°	69	40	8	3	2	79
75°	5	3	2	2	2	7
85°	0	1	2	2	1	1
90°	0	0	0	0	0	



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	320.0	315.3	319.5	319.5	316.9	314.8	318.4	313.8	316.4	311.7	311.7
5°	419.2	407.3	413.0	412.5	407.8	408.8	407.3	400.5	402.1	394.8	392.7
7.5°	535.6	523.1	529.3	527.8	521.0	520.5	517.9	507.0	507.0	496.1	490.4
10°	665.5	656.1	663.4	660.3	651.9	648.3	644.2	629.1	626.0	609.3	600.0
12.5°	822.3	817.7	809.9	804.7	801.0	795.3	788.0	768.3	761.0	738.7	724.2
15°	989.1	987.0	978.2	979.2	965.2	948.6	952.7	920.0	907.5	878.4	858.7
17.5°	1162.1	1155.8	1147.5	1136.1	1128.8	1109.1	1100.3	1069.6	1051.4	1015.1	990.6
20°	1313.8	1311.2	1303.9	1289.3	1278.4	1256.1	1242.1	1206.7	1181.3	1138.7	1109.1
22.5°	1448.8	1444.7	1437.9	1420.3	1407.3	1380.8	1363.1	1322.6	1291.4	1243.1	1207.3
25°	1564.1	1556.4	1550.6	1529.3	1515.3	1484.1	1463.4	1418.2	1381.3	1327.8	1286.2
26°	1600.0	1593.2	1588.0	1565.7	1550.6	1517.9	1496.1	1448.8	1409.3	1354.8	1310.6
27°	1629.6	1623.9	1619.7	1596.4	1580.3	1546.5	1522.6	1474.8	1432.7	1376.6	1330.9
28°	1653.0	1647.8	1643.6	1619.2	1602.6	1567.8	1542.3	1493.5	1449.3	1391.7	1344.9
29°	1670.1	1664.9	1661.8	1635.8	1619.2	1583.4	1556.9	1506.5	1460.8	1402.1	1353.8
30°	1680.5	1675.3	1672.2	1645.2	1628.6	1592.2	1563.6	1513.2	1465.4	1406.2	1356.9
31°	1684.1	1678.4	1676.4	1648.8	1631.2	1593.8	1565.2	1513.2	1464.4	1404.7	1354.3
32°	1681.0	1675.8	1674.3	1646.2	1628.0	1590.1	1561.0	1508.6	1458.7	1398.4	1347.0
33°	1673.8	1668.6	1667.5	1639.0	1620.8	1581.8	1553.2	1499.7	1448.8	1388.0	1336.6
34°	1660.3	1655.1	1655.1	1626.0	1607.3	1568.3	1539.7	1486.2	1433.8	1373.5	1321.6
35°	1640.0	1637.9	1635.8	1606.2	1587.5	1548.6	1520.0	1466.0	1413.5	1353.8	1300.8
36°	1615.1	1613.5	1611.4	1581.8	1562.6	1523.6	1496.1	1442.1	1389.1	1329.9	1277.4
37°	1585.4	1584.4	1582.8	1553.2	1534.0	1495.6	1467.5	1414.5	1361.6	1302.9	1250.4
38°	1549.6	1549.6	1548.0	1518.4	1499.2	1461.3	1434.3	1381.3	1328.8	1271.2	1219.7
39°	1507.0	1508.0	1507.0	1477.4	1458.2	1420.8	1394.8	1343.4	1290.9	1234.8	1188.6
40°	1460.3	1461.8	1461.3	1432.2	1413.0	1376.6	1351.7	1301.3	1254.5	1194.8	1150.1
42.5°	1327.8	1330.4	1330.9	1303.4	1285.2	1251.4	1229.1	1182.9	1134.0	1084.2	1043.6
45°	1176.1	1180.8	1181.8	1156.9	1140.3	1109.6	1090.9	1049.3	1013.0	961.6	926.2
47.5°	1006.2	1013.0	1015.6	992.7	976.6	950.1	936.1	900.8	869.1	822.9	793.2
50°	806.2	814.0	807.8	798.4	784.9	764.2	755.8	727.3	693.5	663.9	643.1
51°	719.5	727.8	732.5	714.3	702.9	684.2	677.9	653.5	623.4	597.9	580.3
52°	634.3	643.1	647.8	631.7	621.8	606.2	602.6	581.3	554.8	533.5	519.0
53°	554.3	562.6	557.4	553.8	544.9	531.9	529.9	512.2	489.3	471.7	460.3
54°	481.0	488.3	493.5	481.6	473.8	462.9	462.3	447.8	428.6	413.5	405.2
55°	415.6	422.3	427.0	417.1	410.4	401.0	401.0	389.1	373.0	360.5	354.3
57.5°	284.2	288.8	293.0	285.7	281.0	275.3	276.4	269.1	258.2	250.4	246.8
60°	187.5	191.2	193.8	189.1	186.5	182.9	183.9	179.2	175.6	167.3	165.7
61°	156.4	160.0	162.6	158.4	159.5	152.7	154.3	150.1	147.0	143.4	139.2
62°	129.3	132.5	134.5	130.9	131.9	126.2	127.8	124.7	122.1	118.4	115.3
63°	105.5	108.1	110.1	109.6	108.1	103.4	104.4	101.8	99.7	97.1	94.5
64°	85.7	87.8	89.4	89.4	87.8	83.6	84.7	82.1	81.0	78.4	76.4
65°	68.6	70.1	71.2	71.2	70.1	67.0	67.5	66.0	64.4	62.9	61.3
66°	54.0	55.6	56.6	56.6	55.6	53.0	53.5	51.9	50.9	49.4	48.3



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
72.5°	8.8	9.4	9.4	9.4	9.4	8.8	8.8	8.8	8.3	8.3	7.8
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.2
77.5°	3.1	3.1	3.1	3.1	3.1	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°	1.0	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.0	1.0
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: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	310.1	307.5	307.0	303.4	297.7	300.8	294.0	294.0	291.4	290.4	285.7
5°	388.0	382.9	379.7	372.5	366.8	364.7	353.8	350.6	344.4	339.7	331.4
7.5°	482.6	472.7	465.5	454.0	443.1	437.9	421.3	413.5	403.1	393.8	380.8
10°	587.0	571.9	560.0	542.9	526.2	515.8	493.0	476.4	463.4	448.3	430.1
12.5°	704.9	683.6	665.5	641.0	617.7	601.6	570.9	547.0	527.8	506.5	482.1
15°	831.2	802.6	777.7	744.9	709.6	690.4	651.9	620.3	594.3	565.7	533.5
17.5°	953.8	917.4	884.2	843.6	801.6	769.3	727.3	687.3	653.5	616.1	579.2
20°	1063.4	1019.2	978.2	929.9	881.6	841.6	791.7	743.9	702.9	659.7	616.1
22.5°	1154.8	1103.4	1055.1	1000.5	945.4	899.2	842.1	788.0	740.8	692.5	642.6
25°	1227.0	1169.9	1115.8	1055.1	994.8	943.4	880.0	820.3	768.3	715.3	661.3
26°	1249.9	1190.1	1134.0	1069.1	1009.3	955.8	890.9	829.1	775.6	721.6	666.0
27°	1267.5	1205.7	1147.5	1082.1	1020.3	965.2	898.2	835.3	779.7	724.7	668.0
28°	1279.5	1216.1	1155.8	1089.3	1026.5	969.9	901.8	837.4	780.8	725.2	667.5
29°	1287.3	1221.8	1160.0	1093.5	1029.1	970.9	901.8	836.4	779.2	722.6	664.4
30°	1288.8	1222.3	1159.5	1091.9	1026.5	967.8	897.7	831.7	773.5	716.9	658.2
31°	1286.2	1217.7	1153.8	1086.7	1020.8	960.5	890.4	824.4	766.7	709.1	649.9
32°	1278.4	1209.3	1144.9	1077.4	1010.9	950.6	880.5	813.5	755.8	698.7	639.5
33°	1268.0	1197.4	1132.5	1064.9	999.0	938.2	868.0	801.6	743.9	686.2	627.5
34°	1253.5	1182.3	1116.9	1050.4	983.9	923.1	853.0	787.0	729.3	672.2	614.0
35°	1233.8	1162.1	1097.1	1031.7	965.2	904.9	835.3	769.9	713.2	656.6	599.0
36°	1210.9	1140.3	1074.8	1009.9	943.9	884.2	816.1	751.2	695.1	639.0	582.3
37°	1185.4	1114.8	1050.4	986.5	921.6	862.3	795.3	731.4	676.4	620.8	565.2
38°	1155.8	1085.7	1022.3	960.0	896.1	837.9	772.5	709.6	655.6	601.0	546.5
39°	1121.6	1053.0	990.6	930.4	868.0	810.9	747.0	685.7	632.7	579.7	526.2
40°	1084.7	1018.2	957.4	898.7	837.9	782.3	720.0	660.8	609.3	557.4	505.5
42.5°	983.9	921.6	865.4	813.0	756.9	705.5	649.3	594.8	547.0	499.2	451.4
45°	873.2	816.6	766.2	720.0	669.1	623.4	573.0	523.6	480.5	436.9	394.3
47.5°	748.0	698.2	654.5	615.6	571.4	531.4	488.3	445.7	407.8	369.9	332.5
50°	607.3	566.8	532.5	501.3	466.0	433.2	398.4	363.6	332.5	300.3	269.1
51°	549.6	513.2	482.1	455.6	422.9	393.8	362.6	330.9	302.3	273.2	244.2
52°	492.5	460.8	433.8	410.4	381.8	355.8	327.8	299.2	273.2	246.8	219.7
53°	437.9	410.4	387.0	367.3	342.3	319.5	294.5	269.6	245.7	221.8	197.4
54°	386.5	363.1	343.4	326.8	304.9	284.7	263.4	241.0	219.7	197.4	175.1
55°	338.7	319.0	302.3	288.3	269.6	251.9	233.8	214.0	194.8	174.5	157.4
57.5°	237.4	224.4	213.5	204.7	192.2	183.4	167.8	154.3	142.3	124.7	111.7
60°	160.0	151.2	144.4	139.2	130.9	126.2	115.3	105.5	97.7	84.7	75.3
61°	134.5	127.3	121.6	117.4	110.6	106.5	97.1	89.4	82.1	71.2	62.9
62°	111.7	105.5	103.4	97.7	91.9	88.8	81.0	74.3	68.6	58.7	51.9
63°	91.4	86.2	84.7	80.0	75.3	73.2	66.5	61.3	56.1	47.8	42.6
64°	73.8	69.6	68.6	64.9	61.3	59.2	54.0	49.4	45.2	38.4	34.3
65°	58.7	57.1	54.5	51.9	48.8	47.3	43.1	39.5	35.8	30.6	27.5
66°	46.2	45.2	42.6	40.5	37.9	36.9	33.2	30.6	28.1	23.9	21.8



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	7.3	7.3	6.8	6.8	5.7	5.7	5.2	4.7	4.7	4.2	4.2
75°	3.6	3.6	3.6	3.6	3.1	3.1	3.1	3.1	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	284.2	279.5	277.4	275.8	272.7	270.1	266.5	264.4	259.7	260.3	254.5
5°	326.2	317.9	312.7	307.0	300.8	295.1	287.8	282.6	274.8	272.2	263.4
7.5°	370.9	357.9	349.1	338.7	328.8	319.0	307.5	298.7	288.3	281.6	269.6
10°	415.1	399.0	382.9	367.8	353.2	339.2	323.6	311.7	297.1	287.3	272.7
12.5°	460.8	436.9	417.1	397.4	377.7	359.5	339.7	323.1	304.4	291.9	274.3
15°	506.0	475.8	450.9	425.5	401.0	377.7	353.8	333.5	311.7	295.6	274.8
17.5°	545.5	509.6	479.0	447.3	419.2	391.7	363.1	339.7	314.8	296.1	273.2
20°	576.1	535.1	499.7	463.4	431.2	399.5	368.3	342.3	314.8	294.0	269.1
22.5°	597.4	552.7	513.2	473.8	437.9	404.2	369.9	342.3	313.2	290.9	266.0
25°	611.9	564.7	522.1	480.0	442.1	406.2	370.9	341.8	312.2	289.9	263.9
26°	615.1	566.8	523.6	480.5	442.1	405.7	369.9	340.8	311.2	288.8	262.9
27°	616.1	567.3	523.1	480.0	441.0	404.2	368.3	339.2	309.1	286.8	261.3
28°	614.5	565.7	521.0	477.4	438.4	401.0	365.2	336.1	306.0	284.2	258.2
29°	610.9	561.6	516.9	473.2	434.3	396.4	360.5	331.9	301.8	280.0	254.5
30°	604.7	555.3	510.6	466.5	427.5	390.1	354.3	325.7	296.1	274.3	248.8
31°	596.4	547.5	502.9	458.7	419.7	382.9	347.0	319.0	289.3	268.1	242.6
32°	586.0	538.7	493.0	449.3	410.4	374.0	338.7	310.6	281.6	260.3	235.3
33°	574.0	527.8	482.1	439.0	401.0	364.7	329.3	301.8	273.8	252.5	228.1
34°	561.0	515.8	470.1	428.0	390.1	354.3	320.0	293.0	264.9	244.2	220.8
35°	546.5	502.3	457.1	415.1	378.7	343.4	309.6	283.1	255.6	235.3	212.5
36°	530.9	487.8	443.1	403.6	366.2	331.4	299.2	272.7	245.7	226.0	203.6
37°	514.8	472.7	429.1	390.6	353.8	320.0	288.3	262.3	236.4	217.1	195.3
38°	497.1	456.6	413.5	376.6	340.3	307.5	276.4	251.4	226.5	207.8	186.5
39°	478.4	437.4	397.4	361.6	326.2	294.5	264.4	240.5	215.6	197.9	177.1
40°	459.2	419.2	380.8	346.0	311.7	281.6	251.9	228.6	205.2	187.5	167.8
42.5°	409.3	373.0	337.1	306.0	273.8	246.2	219.2	197.9	176.6	161.0	143.4
45°	356.4	324.2	291.4	263.4	234.3	209.3	185.5	166.2	147.0	134.0	119.0
47.5°	302.3	271.2	242.6	217.7	194.3	170.4	150.1	133.5	117.9	107.5	96.6
50°	241.0	218.2	193.2	172.5	150.6	133.0	115.8	103.9	92.5	85.7	77.4
51°	218.2	196.9	174.0	154.8	134.5	118.4	103.9	93.5	83.6	77.9	70.6
52°	199.0	176.6	155.3	137.7	121.0	105.5	93.0	84.2	75.8	70.6	63.9
53°	175.6	157.9	138.2	122.1	107.0	93.5	83.1	75.3	68.1	63.9	58.2
54°	155.8	139.7	121.6	107.0	94.5	83.1	73.8	67.5	61.3	57.1	52.5
55°	137.1	124.7	106.0	93.5	83.1	73.2	66.0	60.3	54.5	51.4	46.8
57.5°	96.1	85.2	73.8	66.5	59.7	53.5	48.3	44.2	40.5	38.4	34.8
60°	63.9	57.1	50.4	45.7	41.6	37.9	34.3	31.2	28.6	27.5	24.9
61°	53.5	48.3	42.6	39.5	35.8	32.2	29.1	27.0	24.9	23.9	21.8
62°	45.7	40.5	35.8	33.2	30.1	27.5	24.9	22.9	21.3	20.3	18.7
63°	37.4	33.8	30.1	28.1	25.5	22.9	21.3	19.2	18.2	17.1	15.6
64°	30.6	27.5	24.9	22.9	21.3	18.7	17.7	16.1	14.5	14.5	13.0
65°	24.9	22.3	20.3	18.7	17.1	15.6	14.5	13.0	11.9	11.4	10.4
66°	19.7	17.7	16.1	15.1	13.5	12.5	11.4	10.4	9.4	9.4	8.3



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	3.6	3.6	3.6	3.1	3.1	3.1	3.1	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°	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3
2.5°	253.0	251.9	245.7	243.6	222.3	204.2	196.9	192.2
5°	259.2	255.1	246.2	242.1	202.1	173.5	160.5	154.8
7.5°	262.9	255.6	243.6	237.4	182.3	148.1	131.9	126.2
10°	262.3	253.0	239.0	230.1	164.2	127.3	111.2	105.5
12.5°	261.8	249.9	233.8	222.9	149.1	112.2	95.6	90.4
15°	260.3	245.7	228.1	215.6	136.1	99.7	84.7	80.0
17.5°	256.1	240.5	220.8	207.3	125.2	90.4	77.4	72.7
20°	250.9	233.8	214.0	200.0	118.4	86.8	75.8	72.7
22.5°	246.8	229.1	209.3	195.8	120.5	97.7	97.1	99.2
25°	245.2	228.1	208.3	195.8	130.9	117.9	124.7	128.3
26°	244.2	227.5	208.3	195.8	134.0	123.1	129.3	133.5
27°	242.6	226.0	207.3	194.8	135.6	125.7	131.4	134.5
28°	240.0	223.4	204.7	193.2	135.6	125.7	130.4	133.0
29°	236.4	220.3	201.6	190.1	134.0	123.6	127.3	129.3
30°	231.2	215.1	196.9	185.5	130.4	120.5	122.6	124.2
31°	224.9	209.3	191.2	180.3	126.8	116.4	117.9	119.0
32°	218.2	202.6	184.9	174.5	122.1	111.7	112.7	113.2
33°	210.9	195.8	178.7	168.3	117.9	107.5	107.5	108.1
34°	203.6	188.6	173.0	162.1	113.8	103.9	102.9	103.4
35°	196.4	181.3	166.2	155.8	109.6	99.7	98.7	98.7
36°	188.1	173.5	159.0	149.1	105.5	96.6	94.5	94.5
37°	180.3	166.2	152.2	142.3	100.8	93.0	90.9	90.4
38°	171.9	158.4	144.9	135.6	96.6	89.4	87.3	86.8
39°	163.6	150.6	137.7	128.8	92.5	85.7	84.2	83.1
40°	154.8	142.3	130.4	121.6	88.3	81.6	80.5	79.5
42.5°	131.9	121.0	111.2	104.9	77.9	71.7	70.1	70.6
45°	109.6	101.3	93.5	89.4	67.5	61.8	60.3	60.3
47.5°	89.9	83.6	78.4	74.3	56.6	51.4	49.9	47.8
50°	72.7	68.1	63.9	61.3	46.8	41.6	38.4	36.4
51°	66.5	62.3	58.7	56.1	42.6	37.4	33.8	31.7
52°	60.3	56.6	53.5	51.4	38.4	33.2	29.6	27.5
53°	54.5	51.4	48.8	46.8	34.8	29.6	26.0	23.9
54°	49.4	46.2	44.2	42.1	31.2	26.0	21.8	20.3
55°	44.7	41.6	40.0	37.9	27.5	22.3	18.2	17.1
57.5°	33.2	31.2	30.1	28.6	20.3	14.5	10.9	9.4
60°	23.9	22.3	21.8	20.8	13.0	7.8	5.7	4.7
61°	20.8	19.7	18.7	17.7	10.4	6.2	4.7	4.2
62°	17.7	16.6	15.6	15.1	8.3	5.2	4.2	3.6
63°	14.5	14.0	13.0	12.5	6.8	4.2	3.6	3.1
64°	11.9	11.4	10.4	9.9	5.7	3.6	3.1	2.6
65°	9.9	9.4	8.3	7.8	4.7	3.1	2.6	2.1
66°	7.8	7.3	6.8	6.2	4.2	3.1	2.1	2.1



TEST NUMBER: P175540

CATALOG NUMBER: LDA6A20930D010TE 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	1.0
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0
87.5°	1.0	1.6	1.6	1.6	1.6	1.0	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°	37.4	38.4	39.0	39.0	38.4	36.4	36.9	35.8	34.8	33.8	32.7
70°	18.7	19.2	19.7	19.7	19.2	18.2	18.7	18.2	17.7	17.1	16.1





67.5°	31.7	30.6	29.1	27.5	25.5	24.9	22.3	20.3	18.7	16.1	15.1
70°	15.6	15.1	14.0	13.0	12.5	11.9	10.4	9.9	8.8	7.8	7.3





67.5°	13.5	11.9	10.9	10.4	9.4	8.8	8.3	7.3	6.8	6.8	6.2
70°	6.8	6.2	5.7	5.7	5.2	4.7	4.7	4.2	4.2	4.2	3.6





67.5°	5.7	5.7	5.2	4.7	3.1	2.6	2.1	2.1
70°	3.6	3.6	3.1	3.1	2.6	2.1	2.1	1.6



(END OF REPORT)