

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: P175580

Luminaire Tested: **LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26297)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt
Description: PORTFOLIO 6" Lensed Adjustable, Self-flange Trim Ring, 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: 703.2 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Spacing Criteria (0/90/45): 2.79 / 0.61 / 1.41
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

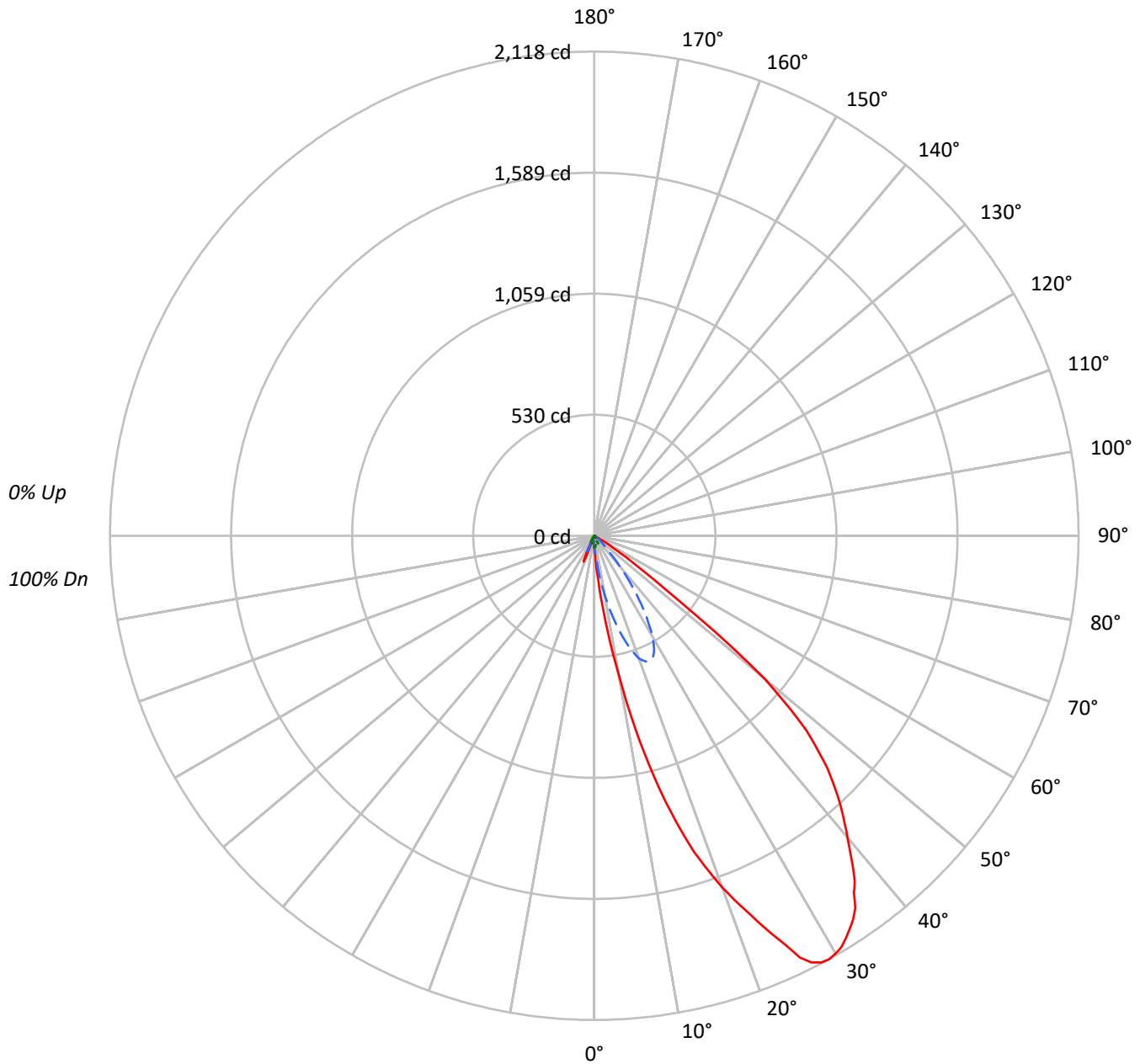
Input Watts (W): 13.84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	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
1	112	109	106	103		110	107	104	101		103	100	98		99	97	95		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	85	83
3	98	90	84	79		96	88	83	78		86	81	77		83	79	75		81	77	74
4	91	82	75	69		89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	74	67	61		83	73	66	61		71	65	60		69	64	60		68	63	59
6	79	68	60	55		77	67	60	54		65	59	54		63	58	54		62	57	53
7	73	62	54	49		72	61	54	49		59	53	48		58	52	48		57	52	48
8	68	56	49	44		67	56	49	44		54	48	43		53	47	43		52	47	43
9	64	52	44	39		62	51	44	39		50	44	39		49	43	39		48	43	39
10	60	48	40	36		58	47	40	36		46	40	35		45	39	35		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2818	2818	2818
5°	10648	2641	1354
10°	34613	2232	880
15°	68366	1810	783
20°	95488	1517	1383
25°	119257	2099	4149
30°	133603	1215	1969
35°	133190	890	1024
40°	123302	487	487
45°	111981	310	264
50°	83051	171	119
55°	20281	134	57
60°	3596	121	33
65°	662	182	39
70°	128	224	96
75°	0	297	127
80°	0	442	189
85°	0	881	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	1.4
10°-20°	79.3	11.3
20°-30°	192.6	27.4
30°-40°	227.3	32.3
40°-50°	161.2	22.9
50°-60°	29.2	4.2
60°-70°	1.9	0.3
70°-80°	1.0	0.1
80°-90°	0.9	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°	281.7	40.1
0°-40°	509.0	72.4
0°-60°	699.5	99.5
0°-90°	703.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	194	111	48	29	25	32
15°	1205	438	32	16	14	348
25°	1972	594	35	77	69	907
35°	1990	341	13	15	15	1226
45°	1444	65	4	4	3	1084
55°	212	8	1	1	1	275
65°	5	1	1	1	0	8
75°	0	1	1	1	1	0
85°	0	1	1	1	1	0
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°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	86.2	84.2	84.2	85.0	85.3	83.6	83.6	81.4	80.2	80.5	78.3
5°	193.5	197.5	189.6	190.7	189.8	184.5	182.2	174.6	169.5	167.0	158.8
7.5°	378.0	372.1	360.2	360.8	357.7	348.9	341.5	328.3	317.0	308.8	293.8
10°	621.8	623.5	604.6	602.9	595.5	578.9	562.5	536.8	513.6	495.5	467.8
12.5°	920.1	902.9	896.1	891.3	879.4	856.6	831.1	795.5	760.2	730.0	687.3
15°	1204.6	1195.0	1184.8	1176.6	1161.7	1132.8	1100.9	1056.3	1010.2	970.4	916.4
17.5°	1450.4	1438.8	1426.6	1417.0	1390.8	1370.4	1327.5	1290.5	1237.9	1190.5	1125.5
20°	1636.8	1630.6	1616.5	1603.2	1575.2	1548.7	1504.1	1462.0	1403.8	1343.6	1281.4
22.5°	1801.8	1792.5	1774.7	1754.6	1719.6	1684.6	1633.2	1586.3	1522.7	1458.6	1391.6
25°	1971.6	1967.4	1940.2	1908.0	1858.6	1809.2	1745.0	1687.1	1615.4	1547.8	1469.9
26°	2053.8	2034.6	2006.9	1969.3	1911.1	1851.3	1781.8	1718.2	1641.6	1567.6	1489.6
27°	2094.8	2079.8	2055.5	2017.4	1956.6	1886.0	1809.4	1741.1	1660.0	1583.4	1502.6
28°	2113.7	2101.0	2080.9	2045.6	1986.6	1907.2	1826.7	1754.4	1669.9	1590.8	1507.4
29°	2117.9	2108.0	2090.5	2058.0	2002.7	1921.6	1835.7	1760.3	1674.1	1593.3	1508.6
30°	2110.6	2104.9	2091.4	2060.3	2006.9	1925.8	1837.4	1760.3	1673.0	1590.8	1504.1
31°	2098.4	2095.1	2083.8	2054.7	2002.7	1920.5	1830.9	1753.5	1665.6	1582.6	1493.9
32°	2075.6	2078.7	2069.3	2040.8	1989.4	1906.6	1818.2	1741.6	1653.5	1569.6	1478.3
33°	2051.3	2058.9	2050.4	2019.6	1966.5	1884.3	1799.3	1724.7	1636.3	1551.5	1458.0
34°	2024.7	2033.5	2022.7	1988.0	1933.2	1853.8	1773.6	1701.2	1613.4	1528.3	1431.4
35°	1990.2	1997.6	1983.5	1946.7	1890.8	1815.7	1741.6	1671.0	1584.3	1497.8	1398.7
36°	1932.3	1950.1	1935.4	1897.6	1842.8	1774.1	1705.5	1636.8	1550.9	1464.2	1362.8
37°	1893.3	1896.7	1882.3	1843.9	1793.3	1732.3	1667.3	1600.4	1515.6	1426.6	1323.5
38°	1837.1	1838.5	1824.1	1788.3	1744.5	1688.5	1626.4	1561.1	1476.4	1386.0	1279.7
39°	1778.4	1778.1	1765.1	1734.3	1695.3	1641.9	1581.7	1517.6	1431.7	1339.1	1228.6
40°	1723.0	1722.1	1710.8	1682.6	1644.7	1593.0	1534.0	1469.6	1382.0	1287.1	1172.1
42.5°	1591.9	1586.3	1575.0	1547.3	1511.1	1460.0	1398.4	1328.9	1236.0	1128.9	998.9
45°	1444.4	1432.3	1420.4	1388.5	1347.8	1293.0	1223.8	1145.0	1041.0	923.8	788.8
47.5°	1255.7	1239.3	1227.8	1191.3	1145.0	1083.4	1004.3	918.4	808.8	683.1	545.2
50°	973.8	937.3	925.2	867.9	805.4	725.8	626.3	526.9	416.4	313.6	219.5
51°	773.5	732.8	721.0	662.2	601.7	528.3	437.9	353.7	267.8	197.8	146.9
52°	565.3	527.4	516.7	463.6	412.7	353.7	286.5	231.1	182.8	147.7	118.7
53°	390.1	365.6	356.0	320.4	286.7	248.9	208.2	174.6	143.5	118.7	96.9
54°	287.9	271.2	263.6	237.9	213.6	187.0	159.0	136.2	114.7	96.3	78.3
55°	212.2	199.7	194.4	176.6	160.7	142.7	124.0	107.6	91.0	75.7	59.3
57.5°	96.1	89.8	87.6	79.9	73.7	68.4	55.7	46.6	37.9	30.5	23.7
60°	32.8	30.2	29.4	26.6	24.9	23.2	19.5	16.7	14.4	12.4	10.5
61°	20.9	19.5	18.9	17.5	16.7	15.8	13.6	11.9	10.5	9.3	7.9
62°	14.1	13.3	13.0	12.1	11.6	11.3	9.9	8.8	7.6	6.8	5.9
63°	9.9	9.3	9.3	8.8	8.5	8.2	7.1	6.5	5.7	5.1	4.5
64°	7.1	6.8	6.5	6.2	5.9	5.9	5.1	4.8	4.2	4.0	3.4
65°	5.1	4.8	4.8	4.5	4.5	4.2	4.0	3.4	3.1	2.8	2.5
66°	3.7	3.4	3.4	3.4	3.1	3.1	2.8	2.5	2.3	2.3	2.0



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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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
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°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	78.8	76.8	76.3	75.7	74.9	74.0	71.5	70.9	70.3	68.1	67.5
5°	156.5	148.6	143.5	138.1	132.5	126.0	115.5	110.7	105.7	96.9	92.7
7.5°	285.0	268.9	255.9	242.7	229.4	213.9	193.5	181.4	168.4	151.1	139.6
10°	446.9	417.3	391.8	367.3	343.5	316.4	289.8	263.3	240.7	213.9	192.1
12.5°	650.6	602.3	560.5	519.2	478.6	435.1	392.7	351.4	311.3	275.7	242.1
15°	868.1	805.7	747.2	688.5	626.9	561.6	497.8	438.2	381.4	331.7	286.2
17.5°	1053.7	982.8	908.0	834.8	756.3	668.7	590.4	513.6	440.7	376.6	318.1
20°	1204.0	1123.2	1034.5	947.5	851.5	757.7	663.9	572.4	480.0	401.7	331.1
22.5°	1311.7	1225.8	1128.9	1030.0	920.4	812.2	703.4	595.8	491.8	403.1	324.6
25°	1384.0	1290.5	1185.4	1075.8	953.5	834.2	712.2	594.4	480.8	386.2	302.8
26°	1401.2	1305.5	1197.5	1083.7	958.3	835.9	708.0	586.5	470.4	373.8	289.6
27°	1412.2	1313.6	1202.9	1085.7	958.0	837.9	698.4	574.0	455.7	358.5	274.3
28°	1416.2	1315.6	1202.6	1081.7	951.5	818.4	683.4	556.3	439.6	340.1	256.8
29°	1415.6	1313.1	1197.0	1072.1	939.3	802.0	662.8	534.2	417.5	319.5	237.9
30°	1410.0	1304.6	1185.4	1056.0	921.0	779.1	636.2	507.7	393.2	296.9	217.2
31°	1398.4	1290.2	1166.7	1032.3	895.5	750.0	605.1	477.7	366.4	272.6	196.1
32°	1380.9	1269.6	1141.6	1002.9	864.5	716.1	570.1	441.0	337.9	247.8	177.7
33°	1358.3	1243.3	1111.4	968.4	829.4	677.2	531.4	415.3	308.8	222.6	153.7
34°	1329.5	1211.4	1074.6	928.6	788.8	633.9	491.3	376.0	279.4	197.2	135.6
35°	1295.0	1173.0	1032.8	884.5	743.6	587.0	454.8	341.0	249.5	171.8	115.3
36°	1256.3	1130.3	985.9	837.1	694.1	539.3	413.3	306.0	219.8	146.9	97.2
37°	1213.9	1083.4	936.2	785.1	641.0	489.9	371.8	271.5	190.7	123.2	82.8
38°	1166.2	1030.9	881.1	727.7	584.2	440.7	330.8	237.0	161.6	102.0	72.3
39°	1110.8	971.0	821.2	664.5	526.0	391.3	290.4	203.1	134.2	85.0	64.4
40°	1049.2	907.4	755.7	597.5	467.3	343.2	250.9	170.4	109.6	73.5	57.6
42.5°	868.4	721.2	569.0	439.3	330.5	233.3	160.7	102.0	70.9	54.5	42.4
45°	654.8	517.0	393.0	295.8	215.0	139.8	91.5	65.0	50.3	37.9	29.7
47.5°	428.6	322.1	229.1	159.0	107.6	71.8	55.9	42.4	32.8	25.1	20.1
50°	161.6	119.2	92.7	74.0	58.5	44.4	35.0	26.8	20.6	15.8	12.7
51°	119.5	96.3	76.0	60.7	48.3	36.7	28.5	21.2	16.4	12.7	10.5
52°	98.0	79.1	62.4	49.7	39.3	28.5	22.0	16.7	13.3	10.5	8.5
53°	80.2	64.4	50.3	39.3	29.9	21.8	17.0	13.3	10.7	8.5	7.1
54°	63.8	50.0	37.6	28.8	22.3	16.4	13.3	10.5	8.5	7.1	5.9
55°	47.5	36.2	26.8	21.2	16.7	12.7	10.5	8.5	7.1	5.7	4.8
57.5°	19.5	15.5	12.7	10.5	8.8	7.1	5.9	5.1	4.2	3.4	2.8
60°	9.0	7.6	6.8	5.7	4.8	4.0	3.4	3.1	2.5	2.3	2.0
61°	7.1	5.9	5.1	4.5	4.0	3.1	2.8	2.5	2.3	2.0	1.7
62°	5.4	4.5	4.0	3.4	3.1	2.5	2.3	2.0	1.7	1.7	1.4
63°	4.0	3.4	3.1	2.8	2.5	2.3	2.0	1.7	1.7	1.4	1.4
64°	3.1	2.8	2.5	2.3	2.0	1.7	1.7	1.4	1.4	1.1	1.1
65°	2.3	2.3	2.0	1.7	1.7	1.4	1.4	1.4	1.1	1.1	1.1
66°	2.0	1.7	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1



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CATALOG NUMBER: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	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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CATALOG NUMBER: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	66.1	65.8	63.8	63.0	61.9	60.5	59.3	58.5	57.1	55.9	54.8
5°	86.7	83.6	78.5	75.1	72.0	68.9	66.4	64.1	61.6	59.3	57.1
7.5°	125.1	114.7	102.0	92.4	84.5	77.4	72.3	68.1	64.1	60.7	56.8
10°	168.1	148.9	129.4	111.0	96.6	84.5	76.0	69.5	64.1	59.6	54.5
12.5°	207.6	179.4	150.9	126.3	105.1	88.4	76.8	68.6	62.4	56.8	50.9
15°	241.3	203.4	167.2	135.6	109.3	88.7	75.4	66.4	59.3	52.5	46.6
17.5°	262.4	214.4	171.8	135.3	106.5	84.2	70.9	62.2	54.2	47.5	41.8
20°	267.0	211.9	165.3	125.4	96.6	75.7	64.7	55.7	47.7	41.8	37.0
22.5°	255.7	197.5	148.0	108.5	82.8	67.0	57.6	48.9	42.4	37.6	33.6
25°	231.4	172.3	124.3	89.0	70.9	59.0	50.6	43.5	38.7	35.6	33.3
26°	218.7	159.9	113.6	81.9	67.0	56.2	48.3	42.1	38.1	35.9	34.2
27°	204.0	146.6	102.8	75.7	63.3	52.5	45.5	39.8	36.2	34.2	33.1
28°	187.9	132.5	92.7	70.1	58.8	48.0	41.5	36.2	32.5	30.2	28.3
29°	170.9	118.4	83.3	65.0	54.2	44.1	37.9	32.8	29.1	26.8	24.9
30°	153.1	104.8	75.4	60.5	49.7	40.4	34.7	29.9	26.6	24.3	22.3
31°	135.9	92.4	69.8	55.7	45.8	37.3	32.2	28.3	24.9	22.6	21.2
32°	118.7	81.9	64.4	51.1	42.1	35.0	29.9	26.6	23.7	21.8	20.6
33°	103.1	73.2	59.6	46.9	39.0	32.8	28.5	25.4	22.9	21.2	20.1
34°	89.3	67.2	54.2	42.7	35.9	30.2	26.3	23.4	20.9	19.5	18.1
35°	78.0	61.0	48.9	38.4	32.2	27.1	23.7	20.9	18.6	17.2	15.8
36°	69.2	54.8	43.5	34.2	28.8	24.6	21.2	18.6	16.7	15.3	14.1
37°	62.4	49.2	39.0	30.8	26.3	22.0	19.2	17.0	15.0	13.6	12.4
38°	56.2	43.8	35.0	28.0	23.7	20.1	17.2	15.5	13.6	12.1	11.0
39°	50.0	38.4	31.4	25.4	21.8	18.4	15.8	14.1	12.1	11.0	9.9
40°	44.4	34.5	28.3	22.9	19.8	16.4	14.4	12.7	11.0	9.9	8.8
42.5°	32.8	25.7	21.5	17.5	15.0	12.7	11.0	9.3	8.2	7.3	6.5
45°	23.4	18.6	15.5	12.7	10.7	9.0	7.6	6.8	5.9	5.4	4.8
47.5°	15.8	12.7	10.7	8.5	7.3	6.2	5.4	4.8	4.2	3.7	3.4
50°	10.2	8.2	7.1	5.7	4.8	4.2	3.7	3.1	2.8	2.5	2.5
51°	8.5	6.8	5.9	4.8	4.2	3.7	3.1	2.8	2.5	2.3	2.0
52°	7.1	5.7	4.8	4.0	3.4	3.1	2.5	2.3	2.0	2.0	2.0
53°	5.9	4.8	4.2	3.4	3.1	2.5	2.3	2.0	1.7	1.7	1.7
54°	4.8	4.0	3.4	2.8	2.5	2.3	2.0	1.7	1.7	1.4	1.4
55°	4.0	3.4	2.8	2.5	2.3	2.0	1.7	1.4	1.4	1.4	1.4
57.5°	2.5	2.3	2.0	1.7	1.4	1.4	1.1	1.1	1.1	1.1	1.1
60°	1.7	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
61°	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
62°	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
63°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
64°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
66°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P175580

CATALOG NUMBER: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
87.5°	0.8	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: P175580

CATALOG NUMBER: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2.5°	53.4	52.5	51.1	50.3	42.4	38.1	34.2	33.9
5°	54.5	52.3	50.0	48.0	35.0	29.1	25.1	24.6
7.5°	53.4	50.0	46.9	44.6	29.4	22.9	19.5	18.9
10°	50.3	46.6	42.9	40.1	25.1	19.5	16.4	15.8
12.5°	46.3	42.4	38.7	35.6	21.8	17.5	15.0	14.4
15°	41.8	37.9	34.7	31.9	20.1	16.1	14.4	13.8
17.5°	37.6	33.9	31.1	28.5	18.6	15.5	14.7	15.0
20°	33.3	30.5	28.0	26.0	19.2	18.4	21.2	23.7
22.5°	30.8	28.8	27.4	26.0	29.7	45.8	103.4	122.6
25°	32.2	31.9	32.8	34.7	60.7	76.8	67.8	68.6
26°	33.9	34.5	35.9	37.9	52.0	48.3	44.4	47.5
27°	32.8	33.1	32.8	32.5	34.2	33.9	35.6	38.7
28°	27.4	26.8	26.3	25.4	26.0	28.8	32.8	35.3
29°	23.7	23.2	22.3	21.5	22.6	28.0	31.6	33.3
30°	21.5	20.6	19.8	19.2	22.6	27.7	30.2	31.1
31°	20.1	19.5	18.9	18.9	22.9	26.3	27.7	28.0
32°	20.1	19.5	19.2	19.2	21.2	23.4	24.3	24.6
33°	19.5	18.9	18.1	17.8	18.6	20.3	21.2	21.2
34°	17.2	16.7	16.1	15.3	16.1	17.5	18.4	18.1
35°	15.0	14.4	13.8	13.3	13.8	15.3	15.5	15.3
36°	13.0	12.4	11.9	11.3	11.9	13.0	13.3	13.0
37°	11.6	11.0	10.5	9.9	9.9	11.3	11.6	11.0
38°	10.5	9.6	9.0	8.8	8.8	9.9	9.9	9.3
39°	9.3	8.8	8.2	7.6	7.6	8.5	8.5	7.9
40°	8.2	7.6	7.1	6.8	6.8	7.3	7.3	6.8
42.5°	5.9	5.7	5.4	5.1	5.1	5.7	5.4	4.8
45°	4.5	4.2	4.0	4.0	4.0	4.2	3.7	3.4
47.5°	3.1	3.1	2.8	2.8	2.8	3.1	2.8	2.5
50°	2.3	2.3	2.0	2.0	2.3	2.3	2.0	1.4
51°	2.0	2.0	2.0	1.7	2.0	2.0	1.7	1.4
52°	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.1
53°	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.8
54°	1.4	1.4	1.4	1.4	1.4	1.4	0.8	0.8
55°	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6
57.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6
60°	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.3
61°	1.1	1.1	1.1	1.1	1.4	1.1	0.6	0.3
62°	1.1	1.1	1.1	1.1	1.4	1.1	0.6	0.3
63°	1.1	1.1	1.1	1.1	1.4	1.1	0.6	0.3
64°	1.1	1.1	1.1	1.4	1.4	1.1	0.6	0.3
65°	1.1	1.1	1.4	1.4	1.4	1.1	0.6	0.3
66°	1.1	1.4	1.4	1.4	1.4	1.1	0.6	0.3



TEST NUMBER: P175580

CATALOG NUMBER: LDA6A10930D010TE LAR35FL 6LAL1 30° Tilt

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	1.1	1.4	1.4	1.4	1.4	1.1	0.8	0.6
75°	1.1	1.4	1.4	1.4	1.4	1.1	0.8	0.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6
80°	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6
82.5°	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6
85°	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6
87.5°	1.4	1.4	1.4	1.4	1.4	1.1	0.6	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - 90°-270°







67.5°	2.3	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.4	1.4	1.1
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6





67.5°	1.1	1.1	1.1	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8





67.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1





67.5°	1.1	1.4	1.4	1.4	1.4	1.1	0.6	0.6
70°	1.1	1.1	1.4	1.4	1.4	1.1	0.8	0.6



(END OF REPORT)