

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: P175538

Luminaire Tested: **LDA6A20840D010TE LAR35FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175538
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: LDA6A20840D010TE 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: 1319.8 lumens
Efficiency: N/A
Efficacy: 45.3 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

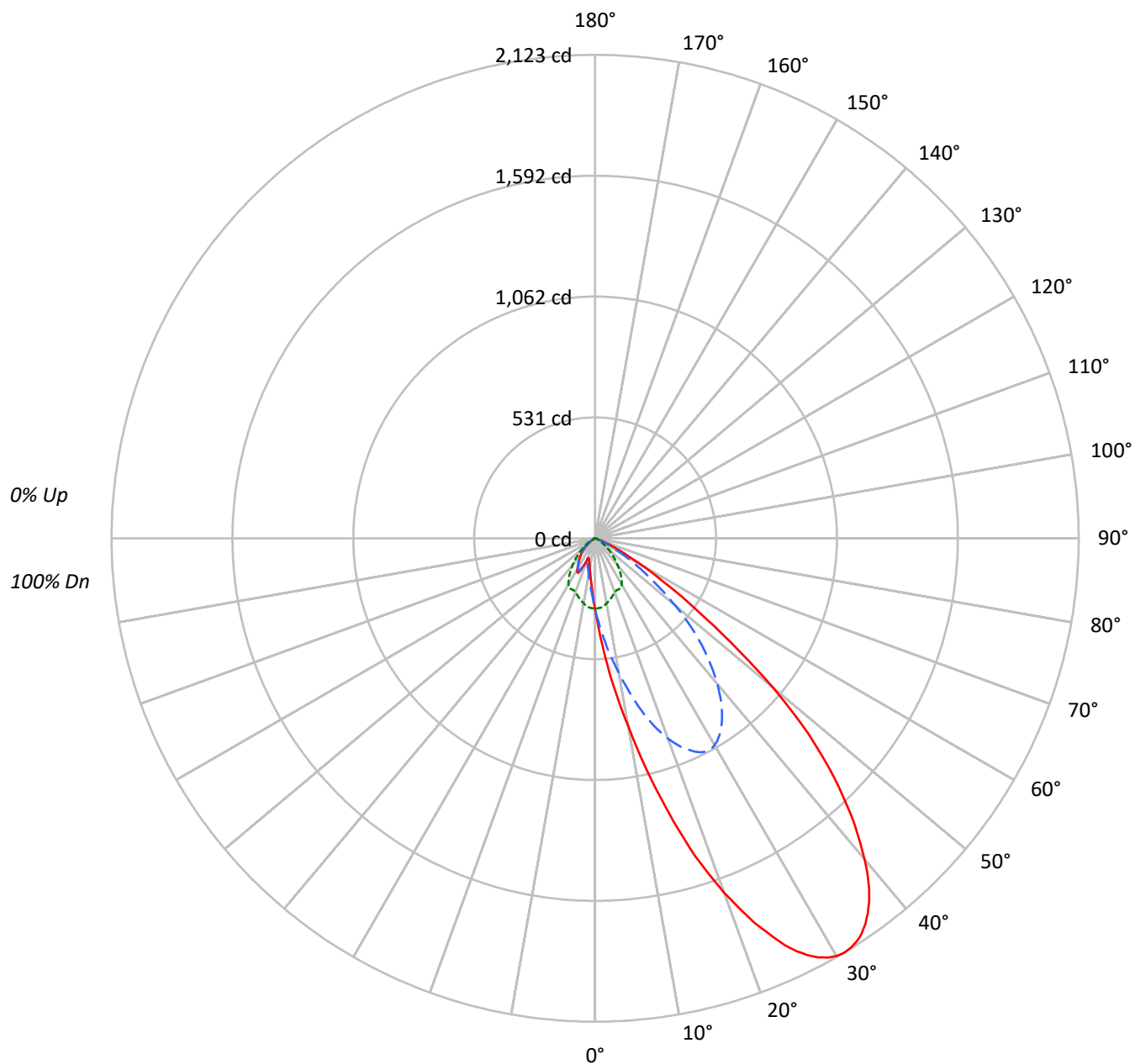
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17093	17093	17093
5°	29089	16795	10742
10°	46704	16154	7404
15°	70778	15426	5726
20°	96632	14713	5350
25°	119287	14934	9787
30°	134128	14800	9907
35°	138384	13150	8325
40°	131754	10971	7171
45°	114965	8737	5892
50°	86692	6593	3906
55°	50082	4569	2064
60°	25919	2873	647
65°	11220	1271	337
70°	3783	625	321
75°	1250	551	424
80°	821	631	410
85°	440	1258	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	2.5
10°-20°	134.6	10.2
20°-30°	286.8	21.7
30°-40°	372.3	28.2
40°-50°	312.2	23.7
50°-60°	144.0	10.9
60°-70°	31.1	2.4
70°-80°	4.0	0.3
80°-90°	1.4	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°	454.8	34.5
0°-40°	827.1	62.7
0°-60°	1283.3	97.2
0°-90°	1319.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1319.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	529	442	305	219	195	60
15°	1247	782	272	126	101	366
25°	1972	1034	247	149	162	905
35°	2068	971	196	126	124	1277
45°	1483	660	113	78	76	1125
55°	524	270	48	28	22	498
65°	86	50	10	4	3	99
75°	6	4	3	3	2	9
85°	1	1	2	2	1	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°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	403.5	397.6	402.8	402.8	399.5	396.9	401.5	395.6	398.9	393.0	393.0
5°	528.6	513.5	520.7	520.1	514.2	515.5	513.5	505.0	507.0	497.8	495.2
7.5°	675.3	659.6	667.4	665.5	656.9	656.3	653.0	639.3	639.3	625.5	618.3
10°	839.0	827.2	836.4	832.5	822.0	817.4	812.2	793.2	789.3	768.3	756.5
12.5°	1036.8	1030.9	1021.1	1014.6	1010.0	1002.8	993.6	968.7	959.5	931.4	913.0
15°	1247.1	1244.5	1233.3	1234.6	1217.0	1196.0	1201.2	1160.0	1144.3	1107.6	1082.7
17.5°	1465.2	1457.3	1446.9	1432.4	1423.3	1398.4	1387.2	1348.6	1325.7	1279.8	1249.0
20°	1656.4	1653.2	1644.0	1625.7	1611.9	1583.7	1566.1	1521.5	1489.4	1435.7	1398.4
22.5°	1826.7	1821.5	1813.0	1790.7	1774.3	1740.9	1718.7	1667.6	1628.3	1567.4	1522.2
25°	1972.1	1962.3	1955.1	1928.3	1910.6	1871.3	1845.1	1788.1	1741.6	1674.1	1621.7
26°	2017.3	2008.8	2002.3	1974.1	1955.1	1913.9	1886.3	1826.7	1777.0	1708.2	1652.5
27°	2054.7	2047.5	2042.2	2012.8	1992.4	1949.9	1919.7	1859.5	1806.4	1735.7	1678.1
28°	2084.1	2077.6	2072.4	2041.6	2020.6	1976.7	1944.6	1883.1	1827.4	1754.7	1695.7
29°	2105.8	2099.2	2095.3	2062.5	2041.6	1996.4	1963.0	1899.4	1841.8	1767.8	1706.9
30°	2118.9	2112.3	2108.4	2074.3	2053.4	2007.5	1971.5	1908.0	1847.7	1773.0	1710.8
31°	2123.4	2116.2	2113.6	2078.9	2056.6	2009.5	1973.5	1908.0	1846.4	1771.1	1707.5
32°	2119.5	2113.0	2111.0	2075.6	2052.7	2004.9	1968.2	1902.1	1839.2	1763.2	1698.4
33°	2110.3	2103.8	2102.5	2066.5	2043.5	1994.4	1958.4	1890.9	1826.7	1750.1	1685.3
34°	2093.3	2086.8	2086.8	2050.1	2026.5	1977.4	1941.4	1873.9	1807.7	1731.8	1666.3
35°	2067.8	2065.2	2062.5	2025.2	2001.6	1952.5	1916.5	1848.4	1782.2	1706.9	1640.1
36°	2036.3	2034.4	2031.7	1994.4	1970.2	1921.1	1886.3	1818.2	1751.4	1676.7	1610.6
37°	1999.0	1997.7	1995.7	1958.4	1934.2	1885.7	1850.3	1783.5	1716.7	1642.7	1576.5
38°	1953.8	1953.8	1951.8	1914.5	1890.3	1842.5	1808.4	1741.6	1675.4	1602.7	1537.9
39°	1900.1	1901.4	1900.1	1862.8	1838.5	1791.4	1758.6	1693.8	1627.6	1556.9	1498.6
40°	1841.1	1843.1	1842.5	1805.8	1781.5	1735.7	1704.3	1640.7	1581.8	1506.5	1450.1
42.5°	1674.1	1677.4	1678.1	1643.3	1620.4	1577.8	1549.7	1491.4	1429.8	1366.9	1315.9
45°	1482.9	1488.8	1490.1	1458.6	1437.7	1399.0	1375.5	1323.1	1277.2	1212.4	1167.8
47.5°	1268.7	1277.2	1280.5	1251.7	1231.4	1198.0	1180.3	1135.7	1095.8	1037.5	1000.2
50°	1016.5	1026.4	1018.5	1006.7	989.7	963.5	953.0	917.0	874.4	837.1	810.9
51°	907.1	917.6	923.5	900.6	886.2	862.6	854.7	824.0	786.0	753.9	731.6
52°	799.7	810.9	816.8	796.5	784.0	764.4	759.8	732.9	699.5	672.7	654.3
53°	698.9	709.3	702.8	698.2	687.1	670.7	668.1	645.8	617.0	594.7	580.3
54°	606.5	615.7	622.2	607.2	597.3	583.6	582.9	564.6	540.4	521.4	510.9
55°	524.0	532.5	538.4	525.9	517.4	505.6	505.6	490.6	470.3	454.6	446.7
57.5°	358.3	364.2	369.4	360.2	354.3	347.1	348.4	339.3	325.5	315.7	311.1
60°	236.4	241.0	244.3	238.4	235.1	230.6	231.9	226.0	221.4	210.9	208.9
61°	197.1	201.7	205.0	199.8	201.1	192.6	194.5	189.3	185.4	180.8	175.5
62°	163.1	167.0	169.6	165.1	166.4	159.2	161.1	157.2	153.9	149.3	145.4
63°	133.0	136.2	138.9	138.2	136.2	130.3	131.7	128.4	125.8	122.5	119.2
64°	108.1	110.7	112.7	112.7	110.7	105.5	106.8	103.5	102.2	98.9	96.3
65°	86.5	88.4	89.7	89.7	88.4	84.5	85.1	83.2	81.2	79.3	77.3
66°	68.1	70.1	71.4	71.4	70.1	66.8	67.5	65.5	64.2	62.2	60.9



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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°	11.1	11.8	11.8	11.8	11.8	11.1	11.1	11.1	10.5	10.5	9.8
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.2	5.2	5.2	5.2
77.5°	3.9	3.9	3.9	3.9	3.9	3.3	3.3	3.3	3.3	3.3	3.3
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0
82.5°	1.3	2.0	2.0	2.0	2.0	1.3	1.3	1.3	2.0	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	391.0	387.7	387.1	382.5	375.3	379.2	370.7	370.7	367.4	366.1	360.2
5°	489.3	482.7	478.8	469.6	462.4	459.8	446.0	442.1	434.3	428.4	417.9
7.5°	608.5	596.0	586.9	572.5	558.7	552.1	531.2	521.4	508.3	496.5	480.1
10°	740.1	721.1	706.1	684.5	663.5	650.4	621.6	600.6	584.2	565.2	542.3
12.5°	888.8	862.0	839.0	808.2	778.8	758.5	719.8	689.7	665.5	638.6	607.8
15°	1048.0	1011.9	980.5	939.2	894.7	870.5	822.0	782.0	749.3	713.3	672.7
17.5°	1202.5	1156.7	1114.8	1063.7	1010.6	970.0	917.0	866.5	824.0	776.8	730.3
20°	1340.7	1285.1	1233.3	1172.4	1111.5	1061.1	998.2	937.9	886.2	831.8	776.8
22.5°	1456.0	1391.2	1330.3	1261.5	1192.1	1133.8	1061.7	993.6	934.0	873.1	810.2
25°	1547.1	1475.0	1406.9	1330.3	1254.3	1189.4	1109.5	1034.2	968.7	901.9	833.8
26°	1575.9	1500.6	1429.8	1347.9	1272.6	1205.2	1123.3	1045.3	977.9	909.8	839.7
27°	1598.2	1520.2	1446.9	1364.3	1286.4	1217.0	1132.5	1053.2	983.1	913.7	842.3
28°	1613.2	1533.3	1457.3	1373.5	1294.2	1222.8	1137.0	1055.8	984.4	914.4	841.6
29°	1623.0	1540.5	1462.6	1378.7	1297.5	1224.2	1137.0	1054.5	982.5	911.1	837.7
30°	1625.0	1541.2	1461.9	1376.8	1294.2	1220.2	1131.8	1048.6	975.3	903.9	829.9
31°	1621.7	1535.3	1454.7	1370.2	1287.0	1211.1	1122.6	1039.5	966.8	894.0	819.4
32°	1611.9	1524.8	1443.6	1358.4	1274.6	1198.6	1110.2	1025.7	953.0	880.9	806.3
33°	1598.8	1509.7	1427.9	1342.7	1259.5	1182.9	1094.5	1010.6	937.9	865.2	791.2
34°	1580.5	1490.7	1408.2	1324.4	1240.5	1163.9	1075.5	992.3	919.6	847.5	774.2
35°	1555.6	1465.2	1383.3	1300.8	1217.0	1141.0	1053.2	970.7	899.3	827.9	755.2
36°	1526.8	1437.7	1355.2	1273.3	1190.1	1114.8	1029.0	947.1	876.4	805.6	734.2
37°	1494.7	1405.6	1324.4	1243.8	1161.9	1087.3	1002.8	922.2	852.8	782.7	712.6
38°	1457.3	1368.9	1289.0	1210.4	1129.8	1056.5	974.0	894.7	826.6	757.8	689.0
39°	1414.1	1327.6	1249.0	1173.1	1094.5	1022.4	941.9	864.6	797.8	731.0	663.5
40°	1367.6	1283.8	1207.1	1133.1	1056.5	986.4	907.8	833.1	768.3	702.8	637.3
42.5°	1240.5	1161.9	1091.2	1025.0	954.3	889.5	818.7	750.0	689.7	629.4	569.2
45°	1101.0	1029.6	966.1	907.8	843.6	786.0	722.4	660.2	605.9	550.8	497.1
47.5°	943.2	880.3	825.3	776.2	720.5	670.0	615.7	562.0	514.2	466.3	419.2
50°	765.7	714.6	671.4	632.1	587.5	546.3	502.4	458.5	419.2	378.6	339.3
51°	693.0	647.1	607.8	574.4	533.2	496.5	457.2	417.2	381.2	344.5	307.8
52°	620.9	581.0	546.9	517.4	481.4	448.7	413.3	377.3	344.5	311.1	277.1
53°	552.1	517.4	488.0	463.1	431.6	402.8	371.4	339.9	309.8	279.7	248.9
54°	487.3	457.8	432.9	412.0	384.5	358.9	332.1	303.9	277.1	248.9	220.7
55°	427.0	402.2	381.2	363.5	339.9	317.7	294.7	269.9	245.6	220.1	198.5
57.5°	299.3	283.0	269.2	258.1	242.3	231.2	211.6	194.5	179.5	157.2	140.8
60°	201.7	190.6	182.1	175.5	165.1	159.2	145.4	133.0	123.1	106.8	95.0
61°	169.6	160.5	153.3	148.0	139.5	134.3	122.5	112.7	103.5	89.7	79.3
62°	140.8	133.0	130.3	123.1	115.9	112.0	102.2	93.7	86.5	74.0	65.5
63°	115.3	108.7	106.8	100.9	95.0	92.4	83.8	77.3	70.7	60.3	53.7
64°	93.0	87.8	86.5	81.9	77.3	74.7	68.1	62.2	57.0	48.5	43.2
65°	74.0	72.0	68.8	65.5	61.6	59.6	54.4	49.8	45.2	38.6	34.7
66°	58.3	57.0	53.7	51.1	47.8	46.5	41.9	38.6	35.4	30.1	27.5



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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°	9.2	9.2	8.5	8.5	7.2	7.2	6.5	5.9	5.9	5.2	5.2
75°	4.6	4.6	4.6	4.6	3.9	3.9	3.9	3.9	3.3	3.3	3.3
77.5°	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
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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CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	358.3	352.4	349.8	347.8	343.9	340.6	336.0	333.4	327.5	328.1	320.9
5°	411.3	400.8	394.3	387.1	379.2	372.0	362.9	356.3	346.5	343.2	332.1
7.5°	467.7	451.3	440.1	427.0	414.6	402.2	387.7	376.6	363.5	355.0	339.9
10°	523.3	503.0	482.7	463.7	445.4	427.7	408.1	393.0	374.6	362.2	343.9
12.5°	581.0	550.8	525.9	501.1	476.2	453.2	428.4	407.4	383.8	368.1	345.8
15°	638.0	600.0	568.5	536.4	505.6	476.2	446.0	420.5	393.0	372.7	346.5
17.5°	687.7	642.5	603.9	563.9	528.6	493.9	457.8	428.4	396.9	373.3	344.5
20°	726.4	674.6	630.1	584.2	543.6	503.7	464.4	431.6	396.9	370.7	339.3
22.5°	753.2	696.9	647.1	597.3	552.1	509.6	466.3	431.6	395.0	366.8	335.3
25°	771.6	712.0	658.3	605.2	557.4	512.2	467.7	431.0	393.6	365.5	332.7
26°	775.5	714.6	660.2	605.9	557.4	511.5	466.3	429.7	392.3	364.2	331.4
27°	776.8	715.2	659.6	605.2	556.1	509.6	464.4	427.7	389.7	361.5	329.5
28°	774.8	713.3	656.9	601.9	552.8	505.6	460.5	423.8	385.8	358.3	325.5
29°	770.3	708.0	651.7	596.7	547.6	499.7	454.6	418.5	380.5	353.0	320.9
30°	762.4	700.2	643.8	588.2	539.0	491.9	446.7	410.7	373.3	345.8	313.7
31°	751.9	690.3	634.0	578.3	529.2	482.7	437.5	402.2	364.8	338.0	305.9
32°	738.8	679.2	621.6	566.6	517.4	471.6	427.0	391.7	355.0	328.1	296.7
33°	723.8	665.5	607.8	553.5	505.6	459.8	415.3	380.5	345.2	318.3	287.5
34°	707.4	650.4	592.8	539.7	491.9	446.7	403.5	369.4	334.0	307.8	278.4
35°	689.0	633.4	576.4	523.3	477.5	432.9	390.4	357.0	322.3	296.7	267.9
36°	669.4	615.0	558.7	508.9	461.8	417.9	377.3	343.9	309.8	284.9	256.8
37°	649.1	596.0	541.0	492.5	446.0	403.5	363.5	330.8	298.0	273.8	246.3
38°	626.8	575.7	521.4	474.9	429.0	387.7	348.4	317.0	285.6	262.0	235.1
39°	603.2	551.5	501.1	455.9	411.3	371.4	333.4	303.3	271.8	249.5	223.3
40°	579.0	528.6	480.1	436.2	393.0	355.0	317.7	288.2	258.7	236.4	211.6
42.5°	516.1	470.3	425.1	385.8	345.2	310.5	276.4	249.5	222.7	203.0	180.8
45°	449.3	408.7	367.4	332.1	295.4	264.0	233.8	209.6	185.4	169.0	150.0
47.5°	381.2	341.9	305.9	274.4	245.0	214.8	189.3	168.3	148.7	135.6	121.8
50°	303.9	275.1	243.7	217.5	189.9	167.7	146.1	131.0	116.6	108.1	97.6
51°	275.1	248.2	219.4	195.2	169.6	149.3	131.0	117.9	105.5	98.2	89.1
52°	250.9	222.7	195.8	173.6	152.6	133.0	117.2	106.1	95.6	89.1	80.6
53°	221.4	199.1	174.2	153.9	134.9	117.9	104.8	95.0	85.8	80.6	73.4
54°	196.5	176.2	153.3	134.9	119.2	104.8	93.0	85.1	77.3	72.0	66.2
55°	172.9	157.2	133.6	117.9	104.8	92.4	83.2	76.0	68.8	64.8	58.9
57.5°	121.2	107.4	93.0	83.8	75.3	67.5	60.9	55.7	51.1	48.5	43.9
60°	80.6	72.0	63.5	57.6	52.4	47.8	43.2	39.3	36.0	34.7	31.4
61°	67.5	60.9	53.7	49.8	45.2	40.6	36.7	34.1	31.4	30.1	27.5
62°	57.6	51.1	45.2	41.9	38.0	34.7	31.4	28.8	26.9	25.5	23.6
63°	47.2	42.6	38.0	35.4	32.1	28.8	26.9	24.2	22.9	21.6	19.6
64°	38.6	34.7	31.4	28.8	26.9	23.6	22.3	20.3	18.3	18.3	16.4
65°	31.4	28.2	25.5	23.6	21.6	19.6	18.3	16.4	15.1	14.4	13.1
66°	24.9	22.3	20.3	19.0	17.0	15.7	14.4	13.1	11.8	11.8	10.5



TEST NUMBER: P175538

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
72.5°	4.6	4.6	4.6	3.9	3.9	3.9	3.9	3.3	3.3	3.3	3.3
75°	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P175538

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	311.8	311.8	311.8	311.8	311.8	311.8	311.8	311.8
2.5°	319.0	317.7	309.8	307.2	280.3	257.4	248.2	242.3
5°	326.8	321.6	310.5	305.2	254.8	218.8	202.4	195.2
7.5°	331.4	322.3	307.2	299.3	229.9	186.7	166.4	159.2
10°	330.8	319.0	301.3	290.2	207.0	160.5	140.2	133.0
12.5°	330.1	315.0	294.7	281.0	188.0	141.5	120.5	114.0
15°	328.1	309.8	287.5	271.8	171.6	125.8	106.8	100.9
17.5°	322.9	303.3	278.4	261.3	157.9	114.0	97.6	91.7
20°	316.4	294.7	269.9	252.2	149.3	109.4	95.6	91.7
22.5°	311.1	288.8	264.0	246.9	152.0	123.1	122.5	125.1
25°	309.2	287.5	262.6	246.9	165.1	148.7	157.2	161.8
26°	307.8	286.9	262.6	246.9	169.0	155.2	163.1	168.3
27°	305.9	284.9	261.3	245.6	170.9	158.5	165.7	169.6
28°	302.6	281.6	258.1	243.7	170.9	158.5	164.4	167.7
29°	298.0	277.7	254.1	239.7	169.0	155.9	160.5	163.1
30°	291.5	271.2	248.2	233.8	164.4	152.0	154.6	156.5
31°	283.6	264.0	241.0	227.3	159.8	146.7	148.7	150.0
32°	275.1	255.4	233.2	220.1	153.9	140.8	142.1	142.8
33°	265.9	246.9	225.3	212.2	148.7	135.6	135.6	136.2
34°	256.8	237.8	218.1	204.4	143.4	131.0	129.7	130.3
35°	247.6	228.6	209.6	196.5	138.2	125.8	124.4	124.4
36°	237.1	218.8	200.4	188.0	133.0	121.8	119.2	119.2
37°	227.3	209.6	191.9	179.5	127.1	117.2	114.6	114.0
38°	216.8	199.8	182.7	170.9	121.8	112.7	110.0	109.4
39°	206.3	189.9	173.6	162.4	116.6	108.1	106.1	104.8
40°	195.2	179.5	164.4	153.3	111.3	102.8	101.5	100.2
42.5°	166.4	152.6	140.2	132.3	98.2	90.4	88.4	89.1
45°	138.2	127.7	117.9	112.7	85.1	77.9	76.0	76.0
47.5°	113.3	105.5	98.9	93.7	71.4	64.8	62.9	60.3
50°	91.7	85.8	80.6	77.3	58.9	52.4	48.5	45.8
51°	83.8	78.6	74.0	70.7	53.7	47.2	42.6	40.0
52°	76.0	71.4	67.5	64.8	48.5	41.9	37.3	34.7
53°	68.8	64.8	61.6	58.9	43.9	37.3	32.7	30.1
54°	62.2	58.3	55.7	53.1	39.3	32.7	27.5	25.5
55°	56.3	52.4	50.4	47.8	34.7	28.2	22.9	21.6
57.5°	41.9	39.3	38.0	36.0	25.5	18.3	13.8	11.8
60°	30.1	28.2	27.5	26.2	16.4	9.8	7.2	5.9
61°	26.2	24.9	23.6	22.3	13.1	7.9	5.9	5.2
62°	22.3	21.0	19.6	19.0	10.5	6.5	5.2	4.6
63°	18.3	17.7	16.4	15.7	8.5	5.2	4.6	3.9
64°	15.1	14.4	13.1	12.4	7.2	4.6	3.9	3.3
65°	12.4	11.8	10.5	9.8	5.9	3.9	3.3	2.6
66°	9.8	9.2	8.5	7.9	5.2	3.9	2.6	2.6



TEST NUMBER: P175538

CATALOG NUMBER: LDA6A20840D010TE LAR35FL 6LLWW1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
72.5°	3.3	3.3	2.6	2.6	2.6	2.6	2.6	2.0
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.6	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.3
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.3	1.3
87.5°	1.3	2.0	2.0	2.0	2.0	1.3	0.7	0.7
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°	47.2	48.5	49.1	49.1	48.5	45.8	46.5	45.2	43.9	42.6	41.3
70°	23.6	24.2	24.9	24.9	24.2	22.9	23.6	22.9	22.3	21.6	20.3





67.5°	40.0	38.6	36.7	34.7	32.1	31.4	28.2	25.5	23.6	20.3	19.0
70°	19.6	19.0	17.7	16.4	15.7	15.1	13.1	12.4	11.1	9.8	9.2





67.5°	17.0	15.1	13.8	13.1	11.8	11.1	10.5	9.2	8.5	8.5	7.9
70°	8.5	7.9	7.2	7.2	6.5	5.9	5.9	5.2	5.2	5.2	4.6





67.5°	7.2	7.2	6.5	5.9	3.9	3.3	2.6	2.6
70°	4.6	4.6	3.9	3.9	3.3	2.6	2.6	2.0



(END OF REPORT)