

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: P212829

Luminaire Tested: **LD6B40D010 EU6B30509030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30509030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3409.1 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

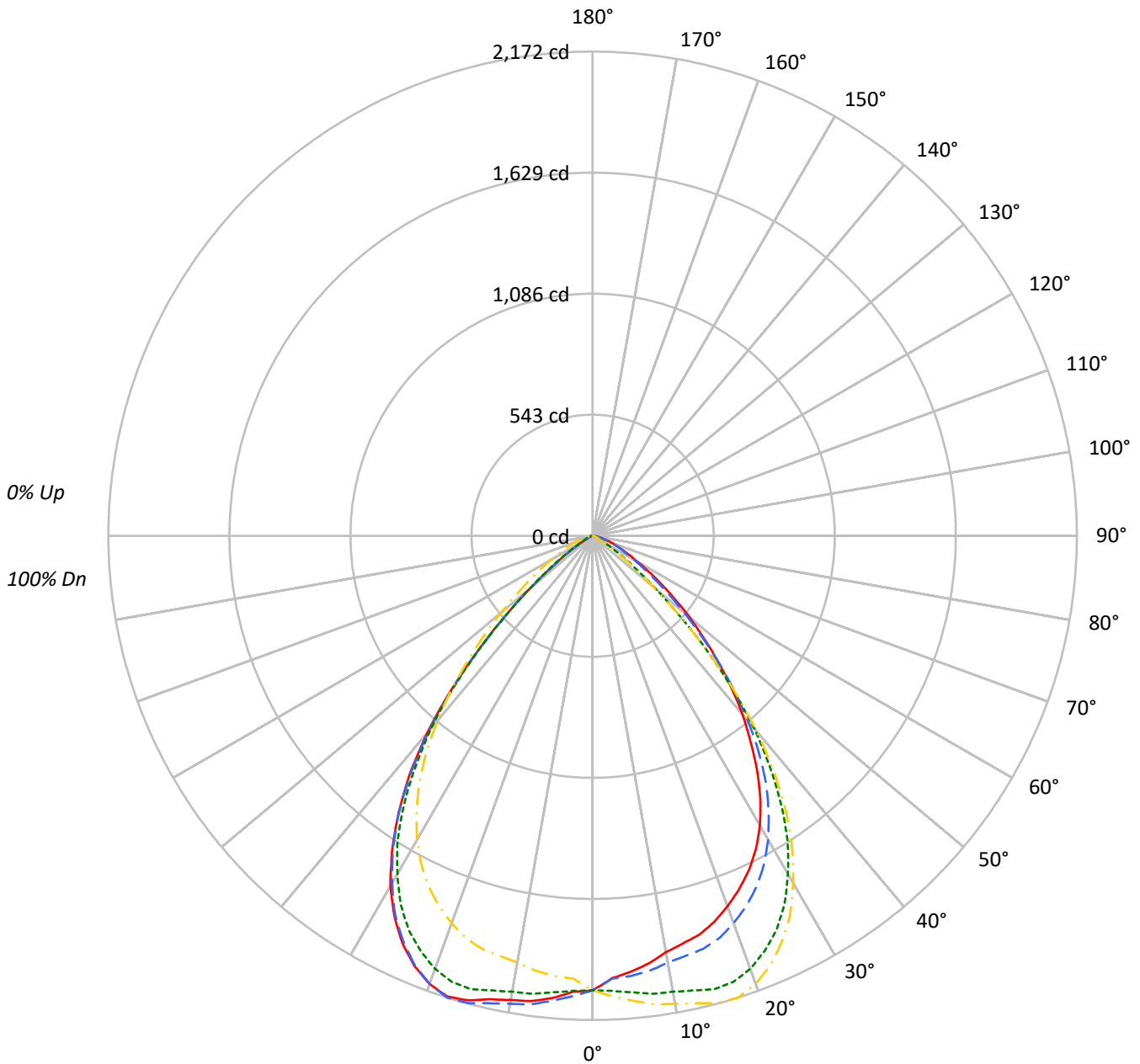
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWL11

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	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	111778	111778	111778	111778
5°	108029	113124	114561	113124
10°	105576	115618	117733	115618
15°	105080	119496	122458	119496
20°	103166	120615	124768	120615
25°	100222	118023	122045	118023
30°	94964	110890	114796	110890
35°	86103	98812	101509	98812
40°	74740	80522	82555	80522
45°	61285	55579	55944	55579
50°	48186	31180	30566	31180
55°	35621	15426	13839	15426
60°	25250	6765	4945	6765
65°	18783	4307	3074	4307
70°	13704	3430	2276	3430
75°	10061	2521	1504	2521
80°	6756	2241	758	2241
85°	4466	1510	1510	1510



TEST NUMBER: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	5.7
10°-20°	578.1	17.0
20°-30°	862.8	25.3
30°-40°	886.4	26.0
40°-50°	574.0	16.8
50°-60°	213.4	6.3
60°-70°	70.0	2.1
70°-80°	24.7	0.7
80°-90°	4.4	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°	1636.1	48.0
0°-40°	2522.5	74.0
0°-60°	3310.0	97.1
0°-90°	3409.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2039	2039	2039	2039	2039	
5°	1963	2056	2082	2056	1963	185
15°	1852	2106	2158	2106	1852	521
25°	1657	1951	2018	1951	1657	759
35°	1287	1476	1517	1476	1287	799
45°	790	717	722	717	790	611
55°	373	161	145	161	373	340
65°	145	33	24	33	145	147
75°	48	12	7	12	48	52
85°	7	2	2	2	7	9
90°	0	0	0	0	0	



TEST NUMBER: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	1986.8	2015.3	1996.3	2008.2	1989.2	1989.2	2027.2	2005.8	2022.4	2005.8	1989.2
5°	1963.1	1998.7	1975.0	1986.8	1970.2	1972.6	2008.2	1991.6	2008.2	1996.3	1982.1
7.5°	1934.6	1970.2	1948.8	1960.7	1944.1	1948.8	1986.8	1970.2	1989.2	1977.3	1967.8
10°	1896.6	1934.6	1915.6	1927.5	1913.2	1915.6	1953.6	1941.7	1958.3	1951.2	1944.1
12.5°	1872.9	1908.5	1887.1	1899.0	1889.5	1894.3	1929.9	1920.4	1941.7	1934.6	1929.9
15°	1851.5	1884.8	1865.8	1877.6	1870.5	1872.9	1910.9	1901.4	1925.1	1920.4	1918.0
17.5°	1815.9	1851.5	1830.2	1844.4	1837.3	1839.7	1877.6	1870.5	1894.3	1894.3	1891.9
20°	1768.4	1804.0	1787.4	1796.9	1792.2	1796.9	1830.2	1825.4	1849.1	1849.1	1849.1
22.5°	1716.2	1751.8	1732.8	1742.3	1737.6	1744.7	1775.6	1775.6	1794.6	1796.9	1799.3
25°	1656.9	1692.5	1673.5	1685.4	1680.6	1685.4	1713.8	1716.2	1732.8	1732.8	1737.6
27.5°	1585.7	1621.3	1602.3	1611.8	1609.4	1611.8	1642.6	1647.4	1656.9	1659.2	1664.0
30°	1500.2	1533.4	1514.5	1523.9	1523.9	1523.9	1554.8	1557.2	1566.7	1569.0	1573.8
32.5°	1400.5	1429.0	1414.8	1424.2	1421.9	1426.6	1448.0	1457.5	1469.3	1467.0	1469.3
35°	1286.6	1317.4	1303.2	1310.3	1312.7	1319.8	1334.0	1345.9	1348.3	1350.7	1355.4
37.5°	1163.1	1194.0	1179.8	1186.9	1189.2	1203.5	1208.2	1220.1	1224.9	1224.9	1224.9
40°	1044.4	1058.7	1046.8	1053.9	1056.3	1068.2	1072.9	1082.4	1087.2	1084.8	1082.4
42.5°	916.3	928.1	916.3	923.4	923.4	932.9	935.3	947.1	947.1	942.4	935.3
45°	790.5	802.3	790.5	795.2	795.2	804.7	804.7	804.7	809.4	802.3	790.5
47.5°	671.8	683.6	671.8	676.5	674.1	681.3	678.9	681.3	674.1	669.4	655.2
50°	565.0	569.7	565.0	562.6	565.0	569.7	567.3	567.3	557.8	550.7	534.1
52.5°	460.5	467.6	460.5	460.5	460.5	465.3	465.3	462.9	453.4	443.9	427.3
55°	372.7	377.4	375.1	372.7	372.7	377.4	372.7	372.7	363.2	356.1	339.4
57.5°	296.7	299.1	296.7	296.7	296.7	299.1	299.1	294.3	287.2	280.1	268.2
60°	230.3	232.6	232.6	230.3	230.3	235.0	235.0	232.6	225.5	220.8	208.9
62.5°	182.8	182.8	182.8	182.8	182.8	185.2	185.2	185.2	180.4	175.7	166.2
65°	144.8	147.2	144.8	144.8	147.2	149.5	147.2	149.5	144.8	142.4	135.3
67.5°	111.6	113.9	111.6	113.9	113.9	116.3	113.9	116.3	111.6	109.2	104.4
70°	85.5	85.5	85.5	85.5	85.5	87.8	85.5	87.8	85.5	83.1	78.3
72.5°	64.1	64.1	66.5	66.5	64.1	66.5	64.1	64.1	64.1	61.7	59.3
75°	47.5	47.5	49.8	47.5	47.5	47.5	47.5	47.5	45.1	45.1	42.7
77.5°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	30.9	30.9	28.5
80°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	19.0	19.0
82.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.9	11.9
85°	7.1	7.1	7.1	9.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	2.4	2.4	2.4	4.7	2.4	2.4	4.7	4.7	2.4	2.4	2.4
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2008.2	2015.3	2015.3	2008.2	2024.8	2010.6	2039.0	2012.9	2020.1	2043.8	2041.4
5°	2001.1	2010.6	2012.9	2008.2	2029.6	2017.7	2046.2	2020.1	2031.9	2055.7	2055.7
7.5°	1991.6	2003.4	2008.2	2012.9	2031.9	2020.1	2053.3	2027.2	2043.8	2072.3	2069.9
10°	1970.2	1986.8	1996.3	2003.4	2022.4	2015.3	2050.9	2029.6	2043.8	2077.0	2074.7
12.5°	1958.3	1977.3	1991.6	2003.4	2024.8	2020.1	2055.7	2036.7	2055.7	2088.9	2088.9
15°	1948.8	1970.2	1986.8	2008.2	2029.6	2024.8	2062.8	2046.2	2065.2	2105.5	2103.1
17.5°	1925.1	1951.2	1967.8	1991.6	2012.9	2010.6	2050.9	2039.0	2060.4	2098.4	2100.8
20°	1884.8	1908.5	1927.5	1956.0	1979.7	1975.0	2017.7	2005.8	2027.2	2067.5	2069.9
22.5°	1832.5	1856.3	1875.3	1906.1	1927.5	1925.1	1967.8	1956.0	1977.3	2015.3	2017.7
25°	1770.8	1792.2	1811.2	1839.7	1863.4	1863.4	1901.4	1889.5	1913.2	1951.2	1951.2
27.5°	1694.9	1713.8	1730.5	1763.7	1782.7	1782.7	1818.3	1806.4	1830.2	1863.4	1861.0
30°	1602.3	1618.9	1633.1	1661.6	1678.2	1680.6	1711.5	1699.6	1723.3	1751.8	1751.8
32.5°	1490.7	1507.3	1516.8	1552.4	1564.3	1561.9	1585.7	1573.8	1597.5	1628.4	1621.3
35°	1372.0	1379.1	1386.3	1421.9	1426.6	1417.1	1440.9	1429.0	1445.6	1476.5	1471.7
37.5°	1236.7	1239.1	1239.1	1270.0	1272.3	1265.2	1279.4	1265.2	1277.1	1305.6	1303.2
40°	1087.2	1084.8	1082.4	1106.2	1103.8	1089.5	1099.0	1087.2	1103.8	1125.2	1113.3
42.5°	935.3	928.1	918.6	930.5	921.0	909.1	913.9	894.9	906.8	923.4	909.1
45°	785.7	771.5	752.5	754.9	743.0	728.7	721.6	702.6	700.3	716.9	705.0
47.5°	645.7	617.2	600.6	591.1	572.1	560.2	546.0	524.6	515.1	524.6	512.7
50°	519.9	491.4	470.0	448.6	429.6	415.4	391.7	377.4	363.2	365.6	356.1
52.5°	410.7	391.7	356.1	339.4	320.5	303.8	282.5	265.9	249.2	249.2	239.7
55°	325.2	299.1	275.4	251.6	232.6	218.4	197.0	180.4	163.8	161.4	151.9
57.5°	251.6	232.6	206.5	182.8	170.9	156.7	135.3	116.3	106.8	99.7	92.6
60°	194.6	175.7	154.3	135.3	121.1	111.6	90.2	76.0	66.5	61.7	54.6
62.5°	156.7	140.1	121.1	102.1	92.6	83.1	66.5	54.6	45.1	40.4	35.6
65°	125.8	111.6	97.3	83.1	76.0	66.5	54.6	45.1	38.0	33.2	28.5
67.5°	97.3	87.8	76.0	66.5	59.3	52.2	42.7	35.6	30.9	26.1	23.7
70°	73.6	66.5	59.3	49.8	45.1	40.4	33.2	26.1	23.7	21.4	19.0
72.5°	57.0	49.8	42.7	38.0	33.2	30.9	26.1	21.4	19.0	16.6	14.2
75°	38.0	35.6	30.9	26.1	23.7	21.4	19.0	16.6	14.2	11.9	11.9
77.5°	26.1	23.7	21.4	19.0	16.6	16.6	14.2	11.9	9.5	9.5	7.1
80°	16.6	14.2	14.2	11.9	11.9	11.9	9.5	7.1	7.1	7.1	4.7
82.5°	11.9	9.5	9.5	7.1	7.1	7.1	7.1	4.7	4.7	4.7	2.4
85°	7.1	4.7	4.7	4.7	4.7	4.7	4.7	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2022.4	2043.8	2043.8	2062.8	2065.2	2060.4	2039.0	2039.0	2067.5	2084.1	2055.7
5°	2041.4	2062.8	2062.8	2081.8	2091.3	2084.1	2062.8	2065.2	2093.6	2112.6	2084.1
7.5°	2058.0	2079.4	2084.1	2105.5	2112.6	2105.5	2084.1	2088.9	2119.8	2136.4	2107.9
10°	2065.2	2086.5	2088.9	2112.6	2122.1	2112.6	2096.0	2098.4	2131.6	2143.5	2117.4
12.5°	2081.8	2103.1	2103.1	2129.3	2138.7	2131.6	2110.3	2115.0	2148.2	2160.1	2134.0
15°	2098.4	2119.8	2119.8	2148.2	2160.1	2150.6	2134.0	2136.4	2169.6	2181.5	2160.1
17.5°	2098.4	2117.4	2117.4	2148.2	2160.1	2153.0	2134.0	2136.4	2172.0	2181.5	2160.1
20°	2067.5	2088.9	2084.1	2115.0	2126.9	2119.8	2103.1	2103.1	2138.7	2148.2	2126.9
22.5°	2017.7	2036.7	2031.9	2060.4	2074.7	2065.2	2050.9	2048.5	2084.1	2093.6	2072.3
25°	1948.8	1967.8	1963.1	1991.6	2005.8	1993.9	1977.3	1979.7	2008.2	2022.4	2003.4
27.5°	1868.1	1880.0	1872.9	1901.4	1915.6	1903.7	1887.1	1889.5	1918.0	1927.5	1913.2
30°	1758.9	1768.4	1761.3	1785.1	1794.6	1787.4	1773.2	1773.2	1799.3	1811.2	1796.9
32.5°	1628.4	1635.5	1628.4	1647.4	1666.4	1652.1	1637.9	1637.9	1666.4	1675.9	1659.2
35°	1476.5	1483.6	1478.8	1497.8	1512.1	1493.1	1481.2	1476.5	1514.5	1509.7	1500.2
37.5°	1307.9	1312.7	1298.4	1331.7	1338.8	1317.4	1307.9	1303.2	1336.4	1334.0	1324.6
40°	1118.0	1122.8	1113.3	1137.0	1139.4	1122.8	1115.7	1108.5	1141.8	1139.4	1132.3
42.5°	916.3	918.6	906.8	925.8	930.5	913.9	911.5	902.0	932.9	928.1	925.8
45°	707.4	707.4	697.9	712.1	716.9	702.6	697.9	695.5	716.9	716.9	712.1
47.5°	512.7	505.6	493.7	515.1	517.5	508.0	505.6	498.5	519.9	519.9	515.1
50°	351.3	348.9	346.6	351.3	353.7	341.8	348.9	341.8	353.7	353.7	353.7
52.5°	235.0	232.6	227.9	232.6	232.6	225.5	225.5	223.1	232.6	232.6	227.9
55°	147.2	144.8	142.4	144.8	144.8	137.7	142.4	137.7	142.4	142.4	140.1
57.5°	90.2	85.5	85.5	83.1	83.1	78.3	80.7	80.7	80.7	80.7	80.7
60°	52.2	49.8	47.5	47.5	47.5	45.1	45.1	45.1	45.1	45.1	45.1
62.5°	33.2	33.2	30.9	30.9	30.9	30.9	30.9	28.5	30.9	30.9	30.9
65°	28.5	26.1	26.1	26.1	26.1	23.7	23.7	23.7	23.7	23.7	23.7
67.5°	23.7	21.4	21.4	21.4	21.4	19.0	19.0	19.0	19.0	19.0	19.0
70°	19.0	16.6	16.6	16.6	16.6	16.6	14.2	16.6	16.6	14.2	14.2
72.5°	14.2	14.2	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
75°	9.5	9.5	9.5	9.5	9.5	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	0.0	2.4	0.0	2.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2088.9	2065.2	2053.3	2077.0	2086.5	2074.7	2065.2	2048.5	2065.2	2074.7	2086.5
5°	2117.4	2096.0	2086.5	2103.1	2117.4	2105.5	2098.4	2081.8	2098.4	2105.5	2117.4
7.5°	2143.5	2122.1	2110.3	2126.9	2143.5	2126.9	2119.8	2105.5	2119.8	2126.9	2143.5
10°	2153.0	2129.3	2119.8	2134.0	2150.6	2134.0	2124.5	2115.0	2124.5	2134.0	2150.6
12.5°	2169.6	2145.9	2134.0	2145.9	2162.5	2145.9	2136.4	2129.3	2136.4	2145.9	2162.5
15°	2193.3	2172.0	2157.7	2169.6	2191.0	2172.0	2160.1	2157.7	2160.1	2172.0	2191.0
17.5°	2193.3	2176.7	2162.5	2172.0	2193.3	2179.1	2162.5	2167.2	2162.5	2179.1	2193.3
20°	2162.5	2145.9	2134.0	2134.0	2164.9	2145.9	2131.6	2138.7	2131.6	2145.9	2164.9
22.5°	2107.9	2093.6	2081.8	2079.4	2110.3	2093.6	2074.7	2088.9	2074.7	2093.6	2110.3
25°	2036.7	2022.4	2012.9	2008.2	2039.0	2020.1	2003.4	2017.7	2003.4	2020.1	2039.0
27.5°	1944.1	1932.2	1922.7	1915.6	1944.1	1927.5	1910.9	1925.1	1910.9	1927.5	1944.1
30°	1825.4	1818.3	1808.8	1799.3	1827.8	1811.2	1794.6	1813.5	1794.6	1811.2	1827.8
32.5°	1687.7	1683.0	1671.1	1661.6	1690.1	1671.1	1659.2	1673.5	1659.2	1671.1	1690.1
35°	1528.7	1521.6	1514.5	1497.8	1528.7	1512.1	1512.1	1516.8	1512.1	1512.1	1528.7
37.5°	1350.7	1345.9	1336.4	1322.2	1348.3	1336.4	1331.7	1345.9	1331.7	1336.4	1348.3
40°	1151.3	1148.9	1141.8	1125.2	1153.6	1141.8	1134.7	1153.6	1134.7	1141.8	1153.6
42.5°	942.4	937.6	930.5	928.1	942.4	932.9	940.0	940.0	940.0	932.9	942.4
45°	726.4	721.6	716.9	707.4	724.0	719.2	716.9	721.6	716.9	719.2	724.0
47.5°	527.0	522.2	517.5	510.4	527.0	519.9	519.9	524.6	519.9	519.9	527.0
50°	353.7	356.1	353.7	348.9	353.7	351.3	353.7	358.4	353.7	351.3	353.7
52.5°	235.0	235.0	230.3	227.9	232.6	230.3	237.4	232.6	237.4	230.3	232.6
55°	142.4	144.8	142.4	140.1	142.4	140.1	147.2	144.8	147.2	140.1	142.4
57.5°	80.7	80.7	83.1	80.7	85.5	83.1	83.1	83.1	83.1	83.1	85.5
60°	45.1	45.1	45.1	45.1	45.1	45.1	47.5	45.1	47.5	45.1	45.1
62.5°	30.9	30.9	30.9	28.5	30.9	28.5	30.9	30.9	30.9	28.5	30.9
65°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
67.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
70°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
72.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2077.0	2053.3	2065.2	2088.9	2055.7	2084.1	2067.5	2039.0	2039.0	2060.4	2065.2
5°	2103.1	2086.5	2096.0	2117.4	2084.1	2112.6	2093.6	2065.2	2062.8	2084.1	2091.3
7.5°	2126.9	2110.3	2122.1	2143.5	2107.9	2136.4	2119.8	2088.9	2084.1	2105.5	2112.6
10°	2134.0	2119.8	2129.3	2153.0	2117.4	2143.5	2131.6	2098.4	2096.0	2112.6	2122.1
12.5°	2145.9	2134.0	2145.9	2169.6	2134.0	2160.1	2148.2	2115.0	2110.3	2131.6	2138.7
15°	2169.6	2157.7	2172.0	2193.3	2160.1	2181.5	2169.6	2136.4	2134.0	2150.6	2160.1
17.5°	2172.0	2162.5	2176.7	2193.3	2160.1	2181.5	2172.0	2136.4	2134.0	2153.0	2160.1
20°	2134.0	2134.0	2145.9	2162.5	2126.9	2148.2	2138.7	2103.1	2103.1	2119.8	2126.9
22.5°	2079.4	2081.8	2093.6	2107.9	2072.3	2093.6	2084.1	2048.5	2050.9	2065.2	2074.7
25°	2008.2	2012.9	2022.4	2036.7	2003.4	2022.4	2008.2	1979.7	1977.3	1993.9	2005.8
27.5°	1915.6	1922.7	1932.2	1944.1	1913.2	1927.5	1918.0	1889.5	1887.1	1903.7	1915.6
30°	1799.3	1808.8	1818.3	1825.4	1796.9	1811.2	1799.3	1773.2	1773.2	1787.4	1794.6
32.5°	1661.6	1671.1	1683.0	1687.7	1659.2	1675.9	1666.4	1637.9	1637.9	1652.1	1666.4
35°	1497.8	1514.5	1521.6	1528.7	1500.2	1509.7	1514.5	1476.5	1481.2	1493.1	1512.1
37.5°	1322.2	1336.4	1345.9	1350.7	1324.6	1334.0	1336.4	1303.2	1307.9	1317.4	1338.8
40°	1125.2	1141.8	1148.9	1151.3	1132.3	1139.4	1141.8	1108.5	1115.7	1122.8	1139.4
42.5°	928.1	930.5	937.6	942.4	925.8	928.1	932.9	902.0	911.5	913.9	930.5
45°	707.4	716.9	721.6	726.4	712.1	716.9	716.9	695.5	697.9	702.6	716.9
47.5°	510.4	517.5	522.2	527.0	515.1	519.9	519.9	498.5	505.6	508.0	517.5
50°	348.9	353.7	356.1	353.7	353.7	353.7	353.7	341.8	348.9	341.8	353.7
52.5°	227.9	230.3	235.0	235.0	227.9	232.6	232.6	223.1	225.5	225.5	232.6
55°	140.1	142.4	144.8	142.4	140.1	142.4	142.4	137.7	142.4	137.7	144.8
57.5°	80.7	83.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	78.3	83.1
60°	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	47.5
62.5°	28.5	30.9	30.9	30.9	30.9	30.9	30.9	28.5	30.9	30.9	30.9
65°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	26.1
67.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	21.4
70°	14.2	14.2	14.2	14.2	14.2	14.2	16.6	16.6	14.2	16.6	16.6
72.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	9.5
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.4	0.0	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2062.8	2043.8	2043.8	2022.4	2041.4	2043.8	2020.1	2012.9	2039.0	2010.6	2024.8
5°	2081.8	2062.8	2062.8	2041.4	2055.7	2055.7	2031.9	2020.1	2046.2	2017.7	2029.6
7.5°	2105.5	2084.1	2079.4	2058.0	2069.9	2072.3	2043.8	2027.2	2053.3	2020.1	2031.9
10°	2112.6	2088.9	2086.5	2065.2	2074.7	2077.0	2043.8	2029.6	2050.9	2015.3	2022.4
12.5°	2129.3	2103.1	2103.1	2081.8	2088.9	2088.9	2055.7	2036.7	2055.7	2020.1	2024.8
15°	2148.2	2119.8	2119.8	2098.4	2103.1	2105.5	2065.2	2046.2	2062.8	2024.8	2029.6
17.5°	2148.2	2117.4	2117.4	2098.4	2100.8	2098.4	2060.4	2039.0	2050.9	2010.6	2012.9
20°	2115.0	2084.1	2088.9	2067.5	2069.9	2067.5	2027.2	2005.8	2017.7	1975.0	1979.7
22.5°	2060.4	2031.9	2036.7	2017.7	2017.7	2015.3	1977.3	1956.0	1967.8	1925.1	1927.5
25°	1991.6	1963.1	1967.8	1948.8	1951.2	1951.2	1913.2	1889.5	1901.4	1863.4	1863.4
27.5°	1901.4	1872.9	1880.0	1868.1	1861.0	1863.4	1830.2	1806.4	1818.3	1782.7	1782.7
30°	1785.1	1761.3	1768.4	1758.9	1751.8	1751.8	1723.3	1699.6	1711.5	1680.6	1678.2
32.5°	1647.4	1628.4	1635.5	1628.4	1621.3	1628.4	1597.5	1573.8	1585.7	1561.9	1564.3
35°	1497.8	1478.8	1483.6	1476.5	1471.7	1476.5	1445.6	1429.0	1440.9	1417.1	1426.6
37.5°	1331.7	1298.4	1312.7	1307.9	1303.2	1305.6	1277.1	1265.2	1279.4	1265.2	1272.3
40°	1137.0	1113.3	1122.8	1118.0	1113.3	1125.2	1103.8	1087.2	1099.0	1089.5	1103.8
42.5°	925.8	906.8	918.6	916.3	909.1	923.4	906.8	894.9	913.9	909.1	921.0
45°	712.1	697.9	707.4	707.4	705.0	716.9	700.3	702.6	721.6	728.7	743.0
47.5°	515.1	493.7	505.6	512.7	512.7	524.6	515.1	524.6	546.0	560.2	572.1
50°	351.3	346.6	348.9	351.3	356.1	365.6	363.2	377.4	391.7	415.4	429.6
52.5°	232.6	227.9	232.6	235.0	239.7	249.2	249.2	265.9	282.5	303.8	320.5
55°	144.8	142.4	144.8	147.2	151.9	161.4	163.8	180.4	197.0	218.4	232.6
57.5°	83.1	85.5	85.5	90.2	92.6	99.7	106.8	116.3	135.3	156.7	170.9
60°	47.5	47.5	49.8	52.2	54.6	61.7	66.5	76.0	90.2	111.6	121.1
62.5°	30.9	30.9	33.2	33.2	35.6	40.4	45.1	54.6	66.5	83.1	92.6
65°	26.1	26.1	26.1	28.5	28.5	33.2	38.0	45.1	54.6	66.5	76.0
67.5°	21.4	21.4	21.4	23.7	23.7	26.1	30.9	35.6	42.7	52.2	59.3
70°	16.6	16.6	16.6	19.0	19.0	21.4	23.7	26.1	33.2	40.4	45.1
72.5°	11.9	11.9	14.2	14.2	14.2	16.6	19.0	21.4	26.1	30.9	33.2
75°	9.5	9.5	9.5	9.5	11.9	11.9	14.2	16.6	19.0	21.4	23.7
77.5°	4.7	4.7	7.1	7.1	7.1	9.5	9.5	11.9	14.2	16.6	16.6
80°	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1	9.5	11.9	11.9
82.5°	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7	7.1	7.1	7.1
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2008.2	2015.3	2015.3	2008.2	1989.2	2005.8	2022.4	2005.8	2027.2	1989.2	1989.2
5°	2008.2	2012.9	2010.6	2001.1	1982.1	1996.3	2008.2	1991.6	2008.2	1972.6	1970.2
7.5°	2012.9	2008.2	2003.4	1991.6	1967.8	1977.3	1989.2	1970.2	1986.8	1948.8	1944.1
10°	2003.4	1996.3	1986.8	1970.2	1944.1	1951.2	1958.3	1941.7	1953.6	1915.6	1913.2
12.5°	2003.4	1991.6	1977.3	1958.3	1929.9	1934.6	1941.7	1920.4	1929.9	1894.3	1889.5
15°	2008.2	1986.8	1970.2	1948.8	1918.0	1920.4	1925.1	1901.4	1910.9	1872.9	1870.5
17.5°	1991.6	1967.8	1951.2	1925.1	1891.9	1894.3	1894.3	1870.5	1877.6	1839.7	1837.3
20°	1956.0	1927.5	1908.5	1884.8	1849.1	1849.1	1849.1	1825.4	1830.2	1796.9	1792.2
22.5°	1906.1	1875.3	1856.3	1832.5	1799.3	1796.9	1794.6	1775.6	1775.6	1744.7	1737.6
25°	1839.7	1811.2	1792.2	1770.8	1737.6	1732.8	1732.8	1716.2	1713.8	1685.4	1680.6
27.5°	1763.7	1730.5	1713.8	1694.9	1664.0	1659.2	1656.9	1647.4	1642.6	1611.8	1609.4
30°	1661.6	1633.1	1618.9	1602.3	1573.8	1569.0	1566.7	1557.2	1554.8	1523.9	1523.9
32.5°	1552.4	1516.8	1507.3	1490.7	1469.3	1467.0	1469.3	1457.5	1448.0	1426.6	1421.9
35°	1421.9	1386.3	1379.1	1372.0	1355.4	1350.7	1348.3	1345.9	1334.0	1319.8	1312.7
37.5°	1270.0	1239.1	1239.1	1236.7	1224.9	1224.9	1224.9	1220.1	1208.2	1203.5	1189.2
40°	1106.2	1082.4	1084.8	1087.2	1082.4	1084.8	1087.2	1082.4	1072.9	1068.2	1056.3
42.5°	930.5	918.6	928.1	935.3	935.3	942.4	947.1	947.1	935.3	932.9	923.4
45°	754.9	752.5	771.5	785.7	790.5	802.3	809.4	804.7	804.7	804.7	795.2
47.5°	591.1	600.6	617.2	645.7	655.2	669.4	674.1	681.3	678.9	681.3	674.1
50°	448.6	470.0	491.4	519.9	534.1	550.7	557.8	567.3	567.3	569.7	565.0
52.5°	339.4	356.1	391.7	410.7	427.3	443.9	453.4	462.9	465.3	465.3	460.5
55°	251.6	275.4	299.1	325.2	339.4	356.1	363.2	372.7	372.7	377.4	372.7
57.5°	182.8	206.5	232.6	251.6	268.2	280.1	287.2	294.3	299.1	299.1	296.7
60°	135.3	154.3	175.7	194.6	208.9	220.8	225.5	232.6	235.0	235.0	230.3
62.5°	102.1	121.1	140.1	156.7	166.2	175.7	180.4	185.2	185.2	185.2	182.8
65°	83.1	97.3	111.6	125.8	135.3	142.4	144.8	149.5	147.2	149.5	147.2
67.5°	66.5	76.0	87.8	97.3	104.4	109.2	111.6	116.3	113.9	116.3	113.9
70°	49.8	59.3	66.5	73.6	78.3	83.1	85.5	87.8	85.5	87.8	85.5
72.5°	38.0	42.7	49.8	57.0	59.3	61.7	64.1	64.1	64.1	66.5	64.1
75°	26.1	30.9	35.6	38.0	42.7	45.1	45.1	47.5	47.5	47.5	47.5
77.5°	19.0	21.4	23.7	26.1	28.5	30.9	30.9	33.2	33.2	33.2	33.2
80°	11.9	14.2	14.2	16.6	19.0	19.0	21.4	21.4	21.4	21.4	21.4
82.5°	7.1	9.5	9.5	11.9	11.9	11.9	14.2	14.2	14.2	14.2	14.2
85°	4.7	4.7	4.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	2.4	2.4
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: P212829

CATALOG NUMBER: LD6B40D010 EU6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2039.0	2039.0	2039.0	2039.0
2.5°	2008.2	1996.3	2015.3	1986.8
5°	1986.8	1975.0	1998.7	1963.1
7.5°	1960.7	1948.8	1970.2	1934.6
10°	1927.5	1915.6	1934.6	1896.6
12.5°	1899.0	1887.1	1908.5	1872.9
15°	1877.6	1865.8	1884.8	1851.5
17.5°	1844.4	1830.2	1851.5	1815.9
20°	1796.9	1787.4	1804.0	1768.4
22.5°	1742.3	1732.8	1751.8	1716.2
25°	1685.4	1673.5	1692.5	1656.9
27.5°	1611.8	1602.3	1621.3	1585.7
30°	1523.9	1514.5	1533.4	1500.2
32.5°	1424.2	1414.8	1429.0	1400.5
35°	1310.3	1303.2	1317.4	1286.6
37.5°	1186.9	1179.8	1194.0	1163.1
40°	1053.9	1046.8	1058.7	1044.4
42.5°	923.4	916.3	928.1	916.3
45°	795.2	790.5	802.3	790.5
47.5°	676.5	671.8	683.6	671.8
50°	562.6	565.0	569.7	565.0
52.5°	460.5	460.5	467.6	460.5
55°	372.7	375.1	377.4	372.7
57.5°	296.7	296.7	299.1	296.7
60°	230.3	232.6	232.6	230.3
62.5°	182.8	182.8	182.8	182.8
65°	144.8	144.8	147.2	144.8
67.5°	113.9	111.6	113.9	111.6
70°	85.5	85.5	85.5	85.5
72.5°	66.5	66.5	64.1	64.1
75°	47.5	49.8	47.5	47.5
77.5°	33.2	33.2	33.2	33.2
80°	21.4	21.4	21.4	21.4
82.5°	14.2	14.2	14.2	14.2
85°	9.5	7.1	7.1	7.1
87.5°	4.7	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)