

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: P212828

Luminaire Tested: **LD6B40D010 EU6B30509027 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212828  
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 EU6B30509027 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3278.9 lumens  
Efficiency: N/A  
Efficacy: 76.2 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

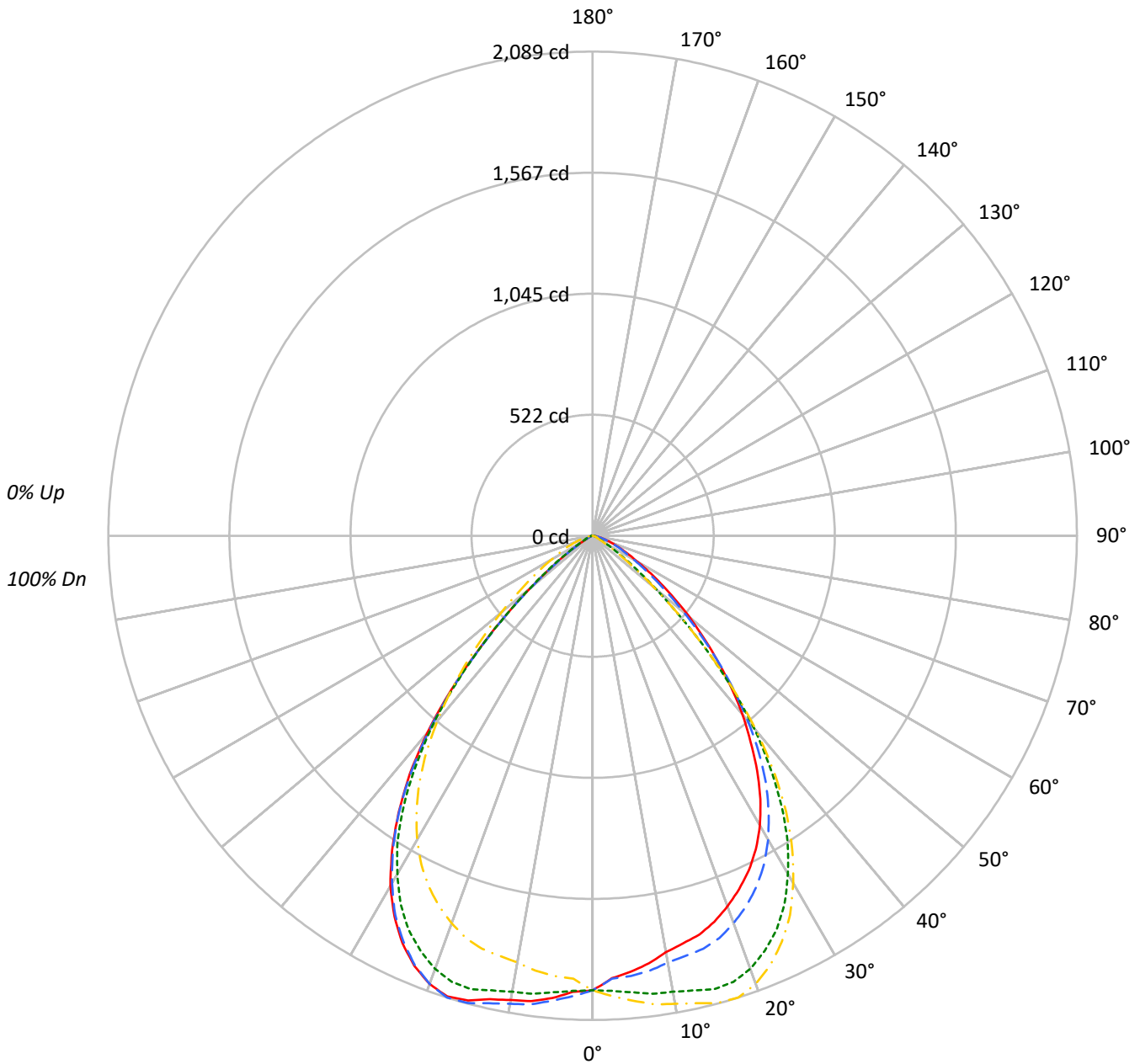
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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°	107508	107508	107508	107508
5°	103901	108799	110180	108799
10°	101540	111204	113235	111204
15°	101068	114933	117782	114933
20°	99228	116006	120002	116006
25°	96393	113517	117382	113517
30°	91337	106656	110409	106656
35°	82811	95037	97634	95037
40°	71885	77445	79406	77445
45°	58944	53455	53804	53455
50°	46344	29986	29398	29986
55°	34254	14833	13314	14833
60°	24285	6513	4758	6513
65°	18069	4151	2958	4151
70°	13175	3286	2196	3286
75°	9680	2415	1440	2415
80°	6472	2147	726	2147
85°	4277	1447	1447	1447



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.7	5.7
10°-20°	556.0	17.0
20°-30°	829.8	25.3
30°-40°	852.5	26.0
40°-50°	552.1	16.8
50°-60°	205.3	6.3
60°-70°	67.4	2.1
70°-80°	23.8	0.7
80°-90°	4.3	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°	1573.6	48.0
0°-40°	2426.1	74.0
0°-60°	3183.5	97.1
0°-90°	3278.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1961	1961	1961	1961	1961	
5°	1888	1977	2002	1977	1888	178
15°	1781	2025	2075	2025	1781	501
25°	1594	1877	1941	1877	1594	730
35°	1237	1420	1459	1420	1237	768
45°	760	690	694	690	760	588
55°	358	155	139	155	358	327
65°	139	32	23	32	139	142
75°	46	11	7	11	46	50
85°	7	2	2	2	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1910.9	1938.3	1920.0	1931.5	1913.2	1913.2	1949.7	1929.2	1945.2	1929.2	1913.2
5°	1888.1	1922.3	1899.5	1910.9	1894.9	1897.2	1931.5	1915.5	1931.5	1920.0	1906.3
7.5°	1860.7	1894.9	1874.4	1885.8	1869.8	1874.4	1910.9	1894.9	1913.2	1901.8	1892.6
10°	1824.1	1860.7	1842.4	1853.8	1840.1	1842.4	1878.9	1867.5	1883.5	1876.7	1869.8
12.5°	1801.3	1835.6	1815.0	1826.4	1817.3	1821.9	1856.1	1847.0	1867.5	1860.7	1856.1
15°	1780.8	1812.7	1794.5	1805.9	1799.0	1801.3	1837.8	1828.7	1851.5	1847.0	1844.7
17.5°	1746.5	1780.8	1760.2	1773.9	1767.1	1769.4	1805.9	1799.0	1821.9	1821.9	1819.6
20°	1700.9	1735.1	1719.1	1728.3	1723.7	1728.3	1760.2	1755.7	1778.5	1778.5	1778.5
22.5°	1650.6	1684.9	1666.6	1675.8	1671.2	1678.0	1707.7	1707.7	1726.0	1728.3	1730.5
25°	1593.6	1627.8	1609.5	1621.0	1616.4	1621.0	1648.4	1650.6	1666.6	1666.6	1671.2
27.5°	1525.1	1559.3	1541.1	1550.2	1547.9	1550.2	1579.9	1584.4	1593.6	1595.8	1600.4
30°	1442.9	1474.8	1456.6	1465.7	1465.7	1465.7	1495.4	1497.7	1506.8	1509.1	1513.7
32.5°	1347.0	1374.4	1360.7	1369.8	1367.5	1372.1	1392.7	1401.8	1413.2	1410.9	1413.2
35°	1237.4	1267.1	1253.4	1260.2	1262.5	1269.4	1283.1	1294.5	1296.8	1299.1	1303.6
37.5°	1118.7	1148.4	1134.7	1141.5	1143.8	1157.5	1162.1	1173.5	1178.0	1178.0	1178.0
40°	1004.5	1018.2	1006.8	1013.7	1016.0	1027.4	1031.9	1041.1	1045.6	1043.3	1041.1
42.5°	881.3	892.7	881.3	888.1	888.1	897.2	899.5	910.9	910.9	906.4	899.5
45°	760.3	771.7	760.3	764.8	764.8	774.0	774.0	774.0	778.5	771.7	760.3
47.5°	646.1	657.5	646.1	650.7	648.4	655.2	652.9	655.2	648.4	643.8	630.1
50°	543.4	547.9	543.4	541.1	543.4	547.9	545.6	545.6	536.5	529.7	513.7
52.5°	442.9	449.8	442.9	442.9	442.9	447.5	447.5	445.2	436.1	426.9	410.9
55°	358.4	363.0	360.7	358.4	358.4	363.0	358.4	358.4	349.3	342.5	326.5
57.5°	285.4	287.7	285.4	285.4	285.4	287.7	287.7	283.1	276.2	269.4	258.0
60°	221.5	223.7	223.7	221.5	221.5	226.0	226.0	223.7	216.9	212.3	200.9
62.5°	175.8	175.8	175.8	175.8	175.8	178.1	178.1	178.1	173.5	168.9	159.8
65°	139.3	141.5	139.3	139.3	141.5	143.8	141.5	143.8	139.3	137.0	130.1
67.5°	107.3	109.6	107.3	109.6	109.6	111.9	109.6	111.9	107.3	105.0	100.5
70°	82.2	82.2	82.2	82.2	82.2	84.5	82.2	84.5	82.2	79.9	75.3
72.5°	61.6	61.6	63.9	63.9	61.6	63.9	61.6	61.6	61.6	59.4	57.1
75°	45.7	45.7	47.9	45.7	45.7	45.7	45.7	45.7	43.4	43.4	41.1
77.5°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	29.7	29.7	27.4
80°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	18.3	18.3
82.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	11.4	11.4
85°	6.8	6.8	6.8	9.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8
87.5°	2.3	2.3	2.3	4.6	2.3	2.3	4.6	4.6	2.3	2.3	2.3
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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1931.5	1938.3	1938.3	1931.5	1947.4	1933.7	1961.1	1936.0	1942.9	1965.7	1963.4
5°	1924.6	1933.7	1936.0	1931.5	1952.0	1940.6	1968.0	1942.9	1954.3	1977.1	1977.1
7.5°	1915.5	1926.9	1931.5	1936.0	1954.3	1942.9	1974.8	1949.7	1965.7	1993.1	1990.8
10°	1894.9	1910.9	1920.0	1926.9	1945.2	1938.3	1972.5	1952.0	1965.7	1997.7	1995.4
12.5°	1883.5	1901.8	1915.5	1926.9	1947.4	1942.9	1977.1	1958.8	1977.1	2009.1	2009.1
15°	1874.4	1894.9	1910.9	1931.5	1952.0	1947.4	1984.0	1968.0	1986.2	2025.1	2022.8
17.5°	1851.5	1876.7	1892.6	1915.5	1936.0	1933.7	1972.5	1961.1	1981.7	2018.2	2020.5
20°	1812.7	1835.6	1853.8	1881.2	1904.1	1899.5	1940.6	1929.2	1949.7	1988.5	1990.8
22.5°	1762.5	1785.3	1803.6	1833.3	1853.8	1851.5	1892.6	1881.2	1901.8	1938.3	1940.6
25°	1703.1	1723.7	1742.0	1769.4	1792.2	1792.2	1828.7	1817.3	1840.1	1876.7	1876.7
27.5°	1630.1	1648.4	1664.3	1696.3	1714.6	1714.6	1748.8	1737.4	1760.2	1792.2	1789.9
30°	1541.1	1557.0	1570.7	1598.1	1614.1	1616.4	1646.1	1634.7	1657.5	1684.9	1684.9
32.5°	1433.7	1449.7	1458.9	1493.1	1504.5	1502.2	1525.1	1513.7	1536.5	1566.2	1559.3
35°	1319.6	1326.4	1333.3	1367.5	1372.1	1363.0	1385.8	1374.4	1390.4	1420.1	1415.5
37.5°	1189.5	1191.7	1191.7	1221.4	1223.7	1216.9	1230.6	1216.9	1228.3	1255.7	1253.4
40°	1045.6	1043.3	1041.1	1063.9	1061.6	1047.9	1057.0	1045.6	1061.6	1082.2	1070.7
42.5°	899.5	892.7	883.5	895.0	885.8	874.4	879.0	860.7	872.1	888.1	874.4
45°	755.7	742.0	723.7	726.0	714.6	700.9	694.0	675.8	673.5	689.5	678.1
47.5°	621.0	593.6	577.6	568.5	550.2	538.8	525.1	504.6	495.4	504.6	493.1
50°	500.0	472.6	452.0	431.5	413.2	399.5	376.7	363.0	349.3	351.6	342.5
52.5°	395.0	376.7	342.5	326.5	308.2	292.2	271.7	255.7	239.7	239.7	230.6
55°	312.8	287.7	264.8	242.0	223.7	210.0	189.5	173.5	157.5	155.2	146.1
57.5°	242.0	223.7	198.6	175.8	164.4	150.7	130.1	111.9	102.7	95.9	89.0
60°	187.2	168.9	148.4	130.1	116.4	107.3	86.8	73.1	63.9	59.4	52.5
62.5°	150.7	134.7	116.4	98.2	89.0	79.9	63.9	52.5	43.4	38.8	34.2
65°	121.0	107.3	93.6	79.9	73.1	63.9	52.5	43.4	36.5	32.0	27.4
67.5°	93.6	84.5	73.1	63.9	57.1	50.2	41.1	34.2	29.7	25.1	22.8
70°	70.8	63.9	57.1	47.9	43.4	38.8	32.0	25.1	22.8	20.5	18.3
72.5°	54.8	47.9	41.1	36.5	32.0	29.7	25.1	20.5	18.3	16.0	13.7
75°	36.5	34.2	29.7	25.1	22.8	20.5	18.3	16.0	13.7	11.4	11.4
77.5°	25.1	22.8	20.5	18.3	16.0	16.0	13.7	11.4	9.1	9.1	6.8
80°	16.0	13.7	13.7	11.4	11.4	11.4	9.1	6.8	6.8	6.8	4.6
82.5°	11.4	9.1	9.1	6.8	6.8	6.8	6.8	4.6	4.6	4.6	2.3
85°	6.8	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1945.2	1965.7	1965.7	1984.0	1986.2	1981.7	1961.1	1961.1	1988.5	2004.5	1977.1
5°	1963.4	1984.0	1984.0	2002.2	2011.4	2004.5	1984.0	1986.2	2013.6	2031.9	2004.5
7.5°	1979.4	1999.9	2004.5	2025.1	2031.9	2025.1	2004.5	2009.1	2038.8	2054.7	2027.3
10°	1986.2	2006.8	2009.1	2031.9	2041.0	2031.9	2015.9	2018.2	2050.2	2061.6	2036.5
12.5°	2002.2	2022.8	2022.8	2047.9	2057.0	2050.2	2029.6	2034.2	2066.2	2077.6	2052.5
15°	2018.2	2038.8	2038.8	2066.2	2077.6	2068.4	2052.5	2054.7	2086.7	2098.1	2077.6
17.5°	2018.2	2036.5	2036.5	2066.2	2077.6	2070.7	2052.5	2054.7	2089.0	2098.1	2077.6
20°	1988.5	2009.1	2004.5	2034.2	2045.6	2038.8	2022.8	2022.8	2057.0	2066.2	2045.6
22.5°	1940.6	1958.8	1954.3	1981.7	1995.4	1986.2	1972.5	1970.3	2004.5	2013.6	1993.1
25°	1874.4	1892.6	1888.1	1915.5	1929.2	1917.8	1901.8	1904.1	1931.5	1945.2	1926.9
27.5°	1796.8	1808.2	1801.3	1828.7	1842.4	1831.0	1815.0	1817.3	1844.7	1853.8	1840.1
30°	1691.7	1700.9	1694.0	1716.8	1726.0	1719.1	1705.4	1705.4	1730.5	1742.0	1728.3
32.5°	1566.2	1573.0	1566.2	1584.4	1602.7	1589.0	1575.3	1575.3	1602.7	1611.8	1595.8
35°	1420.1	1426.9	1422.3	1440.6	1454.3	1436.0	1424.6	1420.1	1456.6	1452.0	1442.9
37.5°	1258.0	1262.5	1248.8	1280.8	1287.6	1267.1	1258.0	1253.4	1285.4	1283.1	1273.9
40°	1075.3	1079.9	1070.7	1093.6	1095.9	1079.9	1073.0	1066.2	1098.1	1095.9	1089.0
42.5°	881.3	883.5	872.1	890.4	895.0	879.0	876.7	867.6	897.2	892.7	890.4
45°	680.3	680.3	671.2	684.9	689.5	675.8	671.2	668.9	689.5	689.5	684.9
47.5°	493.1	486.3	474.9	495.4	497.7	488.6	486.3	479.4	500.0	500.0	495.4
50°	337.9	335.6	333.3	337.9	340.2	328.8	335.6	328.8	340.2	340.2	340.2
52.5°	226.0	223.7	219.2	223.7	223.7	216.9	216.9	214.6	223.7	223.7	219.2
55°	141.5	139.3	137.0	139.3	139.3	132.4	137.0	132.4	137.0	137.0	134.7
57.5°	86.8	82.2	82.2	79.9	79.9	75.3	77.6	77.6	77.6	77.6	77.6
60°	50.2	47.9	45.7	45.7	45.7	43.4	43.4	43.4	43.4	43.4	43.4
62.5°	32.0	32.0	29.7	29.7	29.7	29.7	29.7	27.4	29.7	29.7	29.7
65°	27.4	25.1	25.1	25.1	25.1	22.8	22.8	22.8	22.8	22.8	22.8
67.5°	22.8	20.5	20.5	20.5	20.5	18.3	18.3	18.3	18.3	18.3	18.3
70°	18.3	16.0	16.0	16.0	16.0	16.0	13.7	16.0	16.0	13.7	13.7
72.5°	13.7	13.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
75°	9.1	9.1	9.1	9.1	9.1	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	0.0	2.3	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: P212828

CATALOG NUMBER: LD6B40D010 EU6B30509027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	2009.1	1986.2	1974.8	1997.7	2006.8	1995.4	1986.2	1970.3	1986.2	1995.4	2006.8
5°	2036.5	2015.9	2006.8	2022.8	2036.5	2025.1	2018.2	2002.2	2018.2	2025.1	2036.5
7.5°	2061.6	2041.0	2029.6	2045.6	2061.6	2045.6	2038.8	2025.1	2038.8	2045.6	2061.6
10°	2070.7	2047.9	2038.8	2052.5	2068.4	2052.5	2043.3	2034.2	2043.3	2052.5	2068.4
12.5°	2086.7	2063.9	2052.5	2063.9	2079.9	2063.9	2054.7	2047.9	2054.7	2063.9	2079.9
15°	2109.5	2089.0	2075.3	2086.7	2107.2	2089.0	2077.6	2075.3	2077.6	2089.0	2107.2
17.5°	2109.5	2093.5	2079.9	2089.0	2109.5	2095.8	2079.9	2084.4	2079.9	2095.8	2109.5
20°	2079.9	2063.9	2052.5	2052.5	2082.1	2063.9	2050.2	2057.0	2050.2	2063.9	2082.1
22.5°	2027.3	2013.6	2002.2	1999.9	2029.6	2013.6	1995.4	2009.1	1995.4	2013.6	2029.6
25°	1958.8	1945.2	1936.0	1931.5	1961.1	1942.9	1926.9	1940.6	1926.9	1942.9	1961.1
27.5°	1869.8	1858.4	1849.3	1842.4	1869.8	1853.8	1837.8	1851.5	1837.8	1853.8	1869.8
30°	1755.7	1748.8	1739.7	1730.5	1757.9	1742.0	1726.0	1744.2	1726.0	1742.0	1757.9
32.5°	1623.2	1618.7	1607.3	1598.1	1625.5	1607.3	1595.8	1609.5	1595.8	1607.3	1625.5
35°	1470.3	1463.4	1456.6	1440.6	1470.3	1454.3	1454.3	1458.9	1454.3	1454.3	1470.3
37.5°	1299.1	1294.5	1285.4	1271.7	1296.8	1285.4	1280.8	1294.5	1280.8	1285.4	1296.8
40°	1107.3	1105.0	1098.1	1082.2	1109.6	1098.1	1091.3	1109.6	1091.3	1098.1	1109.6
42.5°	906.4	901.8	895.0	892.7	906.4	897.2	904.1	904.1	904.1	897.2	906.4
45°	698.6	694.0	689.5	680.3	696.3	691.8	689.5	694.0	689.5	691.8	696.3
47.5°	506.8	502.3	497.7	490.9	506.8	500.0	500.0	504.6	500.0	500.0	506.8
50°	340.2	342.5	340.2	335.6	340.2	337.9	340.2	344.7	340.2	337.9	340.2
52.5°	226.0	226.0	221.5	219.2	223.7	221.5	228.3	223.7	228.3	221.5	223.7
55°	137.0	139.3	137.0	134.7	137.0	134.7	141.5	139.3	141.5	134.7	137.0
57.5°	77.6	77.6	79.9	77.6	82.2	79.9	79.9	79.9	79.9	79.9	82.2
60°	43.4	43.4	43.4	43.4	43.4	43.4	45.7	43.4	45.7	43.4	43.4
62.5°	29.7	29.7	29.7	27.4	29.7	27.4	29.7	29.7	29.7	27.4	29.7
65°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
67.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
70°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
72.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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: P212828

CATALOG NUMBER: LD6B40D010 EU6B30509027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1997.7	1974.8	1986.2	2009.1	1977.1	2004.5	1988.5	1961.1	1961.1	1981.7	1986.2
5°	2022.8	2006.8	2015.9	2036.5	2004.5	2031.9	2013.6	1986.2	1984.0	2004.5	2011.4
7.5°	2045.6	2029.6	2041.0	2061.6	2027.3	2054.7	2038.8	2009.1	2004.5	2025.1	2031.9
10°	2052.5	2038.8	2047.9	2070.7	2036.5	2061.6	2050.2	2018.2	2015.9	2031.9	2041.0
12.5°	2063.9	2052.5	2063.9	2086.7	2052.5	2077.6	2066.2	2034.2	2029.6	2050.2	2057.0
15°	2086.7	2075.3	2089.0	2109.5	2077.6	2098.1	2086.7	2054.7	2052.5	2068.4	2077.6
17.5°	2089.0	2079.9	2093.5	2109.5	2077.6	2098.1	2089.0	2054.7	2052.5	2070.7	2077.6
20°	2052.5	2052.5	2063.9	2079.9	2045.6	2066.2	2057.0	2022.8	2022.8	2038.8	2045.6
22.5°	1999.9	2002.2	2013.6	2027.3	1993.1	2013.6	2004.5	1970.3	1972.5	1986.2	1995.4
25°	1931.5	1936.0	1945.2	1958.8	1926.9	1945.2	1931.5	1904.1	1901.8	1917.8	1929.2
27.5°	1842.4	1849.3	1858.4	1869.8	1840.1	1853.8	1844.7	1817.3	1815.0	1831.0	1842.4
30°	1730.5	1739.7	1748.8	1755.7	1728.3	1742.0	1730.5	1705.4	1705.4	1719.1	1726.0
32.5°	1598.1	1607.3	1618.7	1623.2	1595.8	1611.8	1602.7	1575.3	1575.3	1589.0	1602.7
35°	1440.6	1456.6	1463.4	1470.3	1442.9	1452.0	1456.6	1420.1	1424.6	1436.0	1454.3
37.5°	1271.7	1285.4	1294.5	1299.1	1273.9	1283.1	1285.4	1253.4	1258.0	1267.1	1287.6
40°	1082.2	1098.1	1105.0	1107.3	1089.0	1095.9	1098.1	1066.2	1073.0	1079.9	1095.9
42.5°	892.7	895.0	901.8	906.4	890.4	892.7	897.2	867.6	876.7	879.0	895.0
45°	680.3	689.5	694.0	698.6	684.9	689.5	689.5	668.9	671.2	675.8	689.5
47.5°	490.9	497.7	502.3	506.8	495.4	500.0	500.0	479.4	486.3	488.6	497.7
50°	335.6	340.2	342.5	340.2	340.2	340.2	340.2	328.8	335.6	328.8	340.2
52.5°	219.2	221.5	226.0	226.0	219.2	223.7	223.7	214.6	216.9	216.9	223.7
55°	134.7	137.0	139.3	137.0	134.7	137.0	137.0	132.4	137.0	132.4	139.3
57.5°	77.6	79.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	75.3	79.9
60°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	45.7
62.5°	27.4	29.7	29.7	29.7	29.7	29.7	29.7	27.4	29.7	29.7	29.7
65°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	25.1
67.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	20.5
70°	13.7	13.7	13.7	13.7	13.7	13.7	16.0	16.0	13.7	16.0	16.0
72.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	9.1
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	0.0	2.3
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: P212828

CATALOG NUMBER: LD6B40D010 EU6B30509027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1984.0	1965.7	1965.7	1945.2	1963.4	1965.7	1942.9	1936.0	1961.1	1933.7	1947.4
5°	2002.2	1984.0	1984.0	1963.4	1977.1	1977.1	1954.3	1942.9	1968.0	1940.6	1952.0
7.5°	2025.1	2004.5	1999.9	1979.4	1990.8	1993.1	1965.7	1949.7	1974.8	1942.9	1954.3
10°	2031.9	2009.1	2006.8	1986.2	1995.4	1997.7	1965.7	1952.0	1972.5	1938.3	1945.2
12.5°	2047.9	2022.8	2022.8	2002.2	2009.1	2009.1	1977.1	1958.8	1977.1	1942.9	1947.4
15°	2066.2	2038.8	2038.8	2018.2	2022.8	2025.1	1986.2	1968.0	1984.0	1947.4	1952.0
17.5°	2066.2	2036.5	2036.5	2018.2	2020.5	2018.2	1981.7	1961.1	1972.5	1933.7	1936.0
20°	2034.2	2004.5	2009.1	1988.5	1990.8	1988.5	1949.7	1929.2	1940.6	1899.5	1904.1
22.5°	1981.7	1954.3	1958.8	1940.6	1940.6	1938.3	1901.8	1881.2	1892.6	1851.5	1853.8
25°	1915.5	1888.1	1892.6	1874.4	1876.7	1876.7	1840.1	1817.3	1828.7	1792.2	1792.2
27.5°	1828.7	1801.3	1808.2	1796.8	1789.9	1792.2	1760.2	1737.4	1748.8	1714.6	1714.6
30°	1716.8	1694.0	1700.9	1691.7	1684.9	1684.9	1657.5	1634.7	1646.1	1616.4	1614.1
32.5°	1584.4	1566.2	1573.0	1566.2	1559.3	1566.2	1536.5	1513.7	1525.1	1502.2	1504.5
35°	1440.6	1422.3	1426.9	1420.1	1415.5	1420.1	1390.4	1374.4	1385.8	1363.0	1372.1
37.5°	1280.8	1248.8	1262.5	1258.0	1253.4	1255.7	1228.3	1216.9	1230.6	1216.9	1223.7
40°	1093.6	1070.7	1079.9	1075.3	1070.7	1082.2	1061.6	1045.6	1057.0	1047.9	1061.6
42.5°	890.4	872.1	883.5	881.3	874.4	888.1	872.1	860.7	879.0	874.4	885.8
45°	684.9	671.2	680.3	680.3	678.1	689.5	673.5	675.8	694.0	700.9	714.6
47.5°	495.4	474.9	486.3	493.1	493.1	504.6	495.4	504.6	525.1	538.8	550.2
50°	337.9	333.3	335.6	337.9	342.5	351.6	349.3	363.0	376.7	399.5	413.2
52.5°	223.7	219.2	223.7	226.0	230.6	239.7	239.7	255.7	271.7	292.2	308.2
55°	139.3	137.0	139.3	141.5	146.1	155.2	157.5	173.5	189.5	210.0	223.7
57.5°	79.9	82.2	82.2	86.8	89.0	95.9	102.7	111.9	130.1	150.7	164.4
60°	45.7	45.7	47.9	50.2	52.5	59.4	63.9	73.1	86.8	107.3	116.4
62.5°	29.7	29.7	32.0	32.0	34.2	38.8	43.4	52.5	63.9	79.9	89.0
65°	25.1	25.1	25.1	27.4	27.4	32.0	36.5	43.4	52.5	63.9	73.1
67.5°	20.5	20.5	20.5	22.8	22.8	25.1	29.7	34.2	41.1	50.2	57.1
70°	16.0	16.0	16.0	18.3	18.3	20.5	22.8	25.1	32.0	38.8	43.4
72.5°	11.4	11.4	13.7	13.7	13.7	16.0	18.3	20.5	25.1	29.7	32.0
75°	9.1	9.1	9.1	9.1	11.4	11.4	13.7	16.0	18.3	20.5	22.8
77.5°	4.6	4.6	6.8	6.8	6.8	9.1	9.1	11.4	13.7	16.0	16.0
80°	4.6	4.6	4.6	4.6	4.6	6.8	6.8	6.8	9.1	11.4	11.4
82.5°	2.3	2.3	2.3	2.3	2.3	4.6	4.6	4.6	6.8	6.8	6.8
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	4.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
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):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1	1961.1
2.5°	1931.5	1938.3	1938.3	1931.5	1913.2	1929.2	1945.2	1929.2	1949.7	1913.2	1913.2
5°	1931.5	1936.0	1933.7	1924.6	1906.3	1920.0	1931.5	1915.5	1931.5	1897.2	1894.9
7.5°	1936.0	1931.5	1926.9	1915.5	1892.6	1901.8	1913.2	1894.9	1910.9	1874.4	1869.8
10°	1926.9	1920.0	1910.9	1894.9	1869.8	1876.7	1883.5	1867.5	1878.9	1842.4	1840.1
12.5°	1926.9	1915.5	1901.8	1883.5	1856.1	1860.7	1867.5	1847.0	1856.1	1821.9	1817.3
15°	1931.5	1910.9	1894.9	1874.4	1844.7	1847.0	1851.5	1828.7	1837.8	1801.3	1799.0
17.5°	1915.5	1892.6	1876.7	1851.5	1819.6	1821.9	1821.9	1799.0	1805.9	1769.4	1767.1
20°	1881.2	1853.8	1835.6	1812.7	1778.5	1778.5	1778.5	1755.7	1760.2	1728.3	1723.7
22.5°	1833.3	1803.6	1785.3	1762.5	1730.5	1728.3	1726.0	1707.7	1707.7	1678.0	1671.2
25°	1769.4	1742.0	1723.7	1703.1	1671.2	1666.6	1666.6	1650.6	1648.4	1621.0	1616.4
27.5°	1696.3	1664.3	1648.4	1630.1	1600.4	1595.8	1593.6	1584.4	1579.9	1550.2	1547.9
30°	1598.1	1570.7	1557.0	1541.1	1513.7	1509.1	1506.8	1497.7	1495.4	1465.7	1465.7
32.5°	1493.1	1458.9	1449.7	1433.7	1413.2	1410.9	1413.2	1401.8	1392.7	1372.1	1367.5
35°	1367.5	1333.3	1326.4	1319.6	1303.6	1299.1	1296.8	1294.5	1283.1	1269.4	1262.5
37.5°	1221.4	1191.7	1191.7	1189.5	1178.0	1178.0	1178.0	1173.5	1162.1	1157.5	1143.8
40°	1063.9	1041.1	1043.3	1045.6	1041.1	1043.3	1045.6	1041.1	1031.9	1027.4	1016.0
42.5°	895.0	883.5	892.7	899.5	899.5	906.4	910.9	910.9	899.5	897.2	888.1
45°	726.0	723.7	742.0	755.7	760.3	771.7	778.5	774.0	774.0	774.0	764.8
47.5°	568.5	577.6	593.6	621.0	630.1	643.8	648.4	655.2	652.9	655.2	648.4
50°	431.5	452.0	472.6	500.0	513.7	529.7	536.5	545.6	545.6	547.9	543.4
52.5°	326.5	342.5	376.7	395.0	410.9	426.9	436.1	445.2	447.5	447.5	442.9
55°	242.0	264.8	287.7	312.8	326.5	342.5	349.3	358.4	358.4	363.0	358.4
57.5°	175.8	198.6	223.7	242.0	258.0	269.4	276.2	283.1	287.7	287.7	285.4
60°	130.1	148.4	168.9	187.2	200.9	212.3	216.9	223.7	226.0	226.0	221.5
62.5°	98.2	116.4	134.7	150.7	159.8	168.9	173.5	178.1	178.1	178.1	175.8
65°	79.9	93.6	107.3	121.0	130.1	137.0	139.3	143.8	141.5	143.8	141.5
67.5°	63.9	73.1	84.5	93.6	100.5	105.0	107.3	111.9	109.6	111.9	109.6
70°	47.9	57.1	63.9	70.8	75.3	79.9	82.2	84.5	82.2	84.5	82.2
72.5°	36.5	41.1	47.9	54.8	57.1	59.4	61.6	61.6	61.6	63.9	61.6
75°	25.1	29.7	34.2	36.5	41.1	43.4	43.4	45.7	45.7	45.7	45.7
77.5°	18.3	20.5	22.8	25.1	27.4	29.7	29.7	32.0	32.0	32.0	32.0
80°	11.4	13.7	13.7	16.0	18.3	18.3	20.5	20.5	20.5	20.5	20.5
82.5°	6.8	9.1	9.1	11.4	11.4	11.4	13.7	13.7	13.7	13.7	13.7
85°	4.6	4.6	4.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	2.3	2.3
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: P212828

CATALOG NUMBER: LD6B40D010 EU6B30509027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1961.1	1961.1	1961.1	1961.1
2.5°	1931.5	1920.0	1938.3	1910.9
5°	1910.9	1899.5	1922.3	1888.1
7.5°	1885.8	1874.4	1894.9	1860.7
10°	1853.8	1842.4	1860.7	1824.1
12.5°	1826.4	1815.0	1835.6	1801.3
15°	1805.9	1794.5	1812.7	1780.8
17.5°	1773.9	1760.2	1780.8	1746.5
20°	1728.3	1719.1	1735.1	1700.9
22.5°	1675.8	1666.6	1684.9	1650.6
25°	1621.0	1609.5	1627.8	1593.6
27.5°	1550.2	1541.1	1559.3	1525.1
30°	1465.7	1456.6	1474.8	1442.9
32.5°	1369.8	1360.7	1374.4	1347.0
35°	1260.2	1253.4	1267.1	1237.4
37.5°	1141.5	1134.7	1148.4	1118.7
40°	1013.7	1006.8	1018.2	1004.5
42.5°	888.1	881.3	892.7	881.3
45°	764.8	760.3	771.7	760.3
47.5°	650.7	646.1	657.5	646.1
50°	541.1	543.4	547.9	543.4
52.5°	442.9	442.9	449.8	442.9
55°	358.4	360.7	363.0	358.4
57.5°	285.4	285.4	287.7	285.4
60°	221.5	223.7	223.7	221.5
62.5°	175.8	175.8	175.8	175.8
65°	139.3	139.3	141.5	139.3
67.5°	109.6	107.3	109.6	107.3
70°	82.2	82.2	82.2	82.2
72.5°	63.9	63.9	61.6	61.6
75°	45.7	47.9	45.7	45.7
77.5°	32.0	32.0	32.0	32.0
80°	20.5	20.5	20.5	20.5
82.5°	13.7	13.7	13.7	13.7
85°	9.1	6.8	6.8	6.8
87.5°	4.6	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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

























(END OF REPORT)