

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: P212846

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212846
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: LD6B50D010TE EU6B30509727 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3648.0 lumens
Efficiency: N/A
Efficacy: 62.1 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

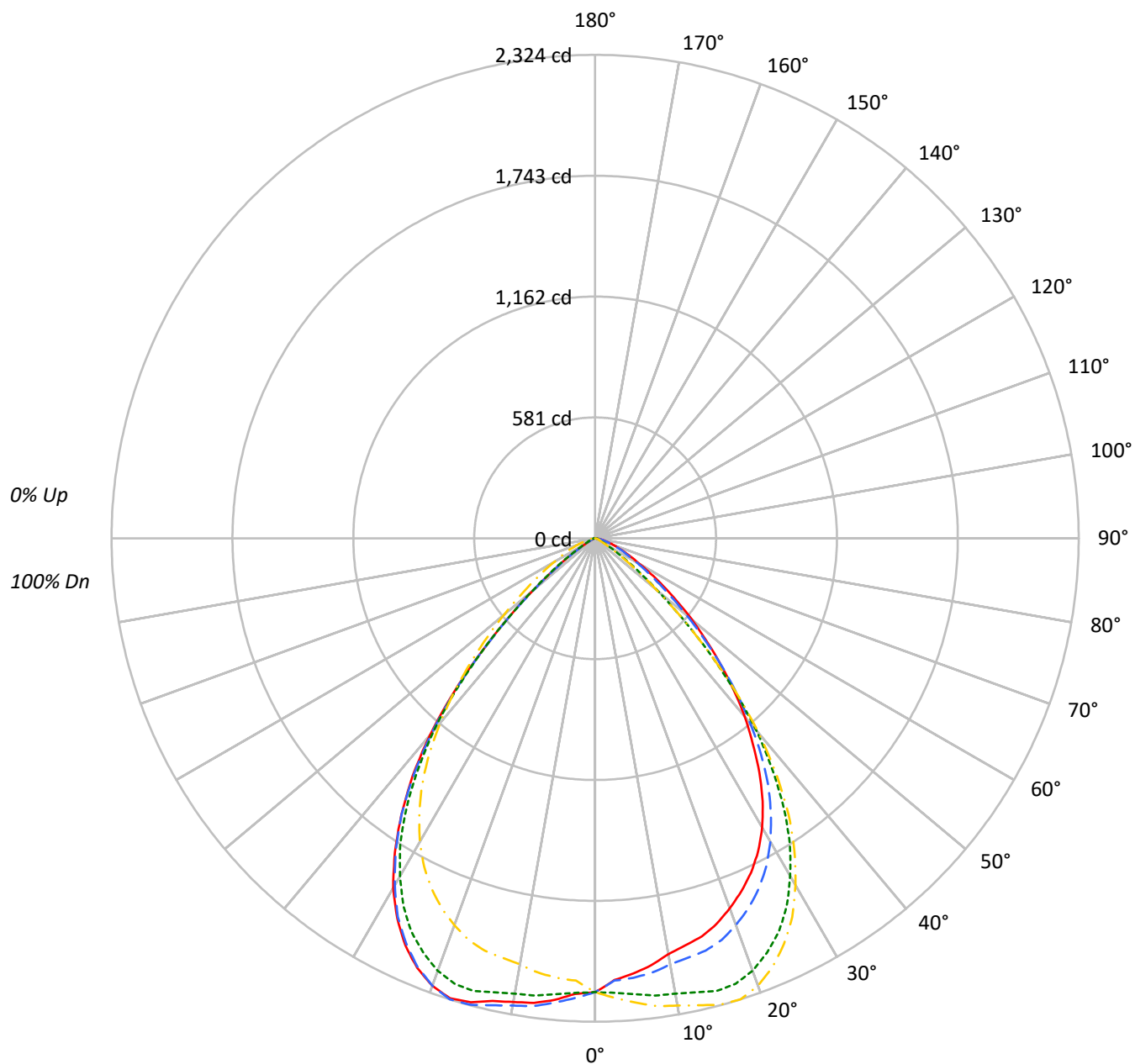
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	99		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	119612	119612	119612	119612
5°	115595	121049	122589	121049
10°	112974	123723	125983	123723
15°	112447	127872	131039	127872
20°	110400	129068	133513	129068
25°	107244	126292	130598	126292
30°	101617	118664	122842	118664
35°	92133	105732	108623	105732
40°	79978	86161	88344	86161
45°	65573	59471	59867	59471
50°	51555	33364	32715	33364
55°	38116	16506	14805	16506
60°	27015	7236	5296	7236
65°	20093	4618	3295	4618
70°	14650	3670	2436	3670
75°	10760	2690	1610	2690
80°	7229	2399	789	2399
85°	4780	1572	1572	1572



TEST NUMBER: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	5.7
10°-20°	618.6	17.0
20°-30°	923.2	25.3
30°-40°	948.5	26.0
40°-50°	614.2	16.8
50°-60°	228.4	6.3
60°-70°	74.9	2.1
70°-80°	26.4	0.7
80°-90°	4.7	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°	1750.7	48.0
0°-40°	2699.3	74.0
0°-60°	3541.9	97.1
0°-90°	3648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3648.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2182	2182	2182	2182	2182	
5°	2101	2200	2228	2200	2101	198
15°	1981	2253	2309	2253	1981	557
25°	1773	2088	2159	2088	1773	813
35°	1377	1580	1623	1580	1377	855
45°	846	767	772	767	846	654
55°	399	173	155	173	399	364
65°	155	36	25	36	155	158
75°	51	13	8	13	51	56
85°	8	2	2	2	8	10
90°	0	0	0	0	0	



TEST NUMBER: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2126.0	2156.5	2136.2	2148.9	2128.6	2128.6	2169.2	2146.4	2164.2	2146.4	2128.6
5°	2100.6	2138.8	2113.3	2126.0	2108.3	2110.8	2148.9	2131.1	2148.9	2136.2	2121.0
7.5°	2070.2	2108.3	2085.4	2098.1	2080.3	2085.4	2126.0	2108.3	2128.6	2115.9	2105.7
10°	2029.5	2070.2	2049.8	2062.5	2047.3	2049.8	2090.5	2077.8	2095.6	2087.9	2080.3
12.5°	2004.1	2042.2	2019.4	2032.1	2021.9	2027.0	2065.1	2054.9	2077.8	2070.2	2065.1
15°	1981.3	2016.8	1996.5	2009.2	2001.6	2004.1	2044.8	2034.6	2060.0	2054.9	2052.4
17.5°	1943.2	1981.3	1958.4	1973.6	1966.0	1968.6	2009.2	2001.6	2027.0	2027.0	2024.4
20°	1892.4	1930.5	1912.7	1922.8	1917.8	1922.8	1958.4	1953.3	1978.7	1978.7	1978.7
22.5°	1836.5	1874.6	1854.3	1864.4	1859.3	1867.0	1900.0	1900.0	1920.3	1922.8	1925.4
25°	1773.0	1811.1	1790.8	1803.5	1798.4	1803.5	1833.9	1836.5	1854.3	1854.3	1859.3
27.5°	1696.8	1734.9	1714.6	1724.7	1722.2	1724.7	1757.7	1762.8	1773.0	1775.5	1780.6
30°	1605.3	1640.9	1620.6	1630.7	1630.7	1630.7	1663.8	1666.3	1676.5	1679.0	1684.1
32.5°	1498.6	1529.1	1513.9	1524.0	1521.5	1526.6	1549.5	1559.6	1572.3	1569.8	1572.3
35°	1376.7	1409.7	1394.5	1402.1	1404.7	1412.3	1427.5	1440.2	1442.8	1445.3	1450.4
37.5°	1244.6	1277.7	1262.4	1270.0	1272.6	1287.8	1292.9	1305.6	1310.7	1310.7	1310.7
40°	1117.6	1132.9	1120.2	1127.8	1130.3	1143.0	1148.1	1158.3	1163.4	1160.8	1158.3
42.5°	980.5	993.2	980.5	988.1	988.1	998.3	1000.8	1013.5	1013.5	1008.4	1000.8
45°	845.8	858.5	845.8	850.9	850.9	861.1	861.1	861.1	866.2	858.5	845.8
47.5°	718.8	731.5	718.8	723.9	721.4	729.0	726.5	729.0	721.4	716.3	701.1
50°	604.5	609.6	604.5	602.0	604.5	609.6	607.1	607.1	596.9	589.3	571.5
52.5°	492.8	500.4	492.8	492.8	492.8	497.9	497.9	495.3	485.2	475.0	457.2
55°	398.8	403.9	401.3	398.8	398.8	403.9	398.8	398.8	388.6	381.0	363.2
57.5°	317.5	320.1	317.5	317.5	317.5	320.1	320.1	315.0	307.4	299.7	287.0
60°	246.4	248.9	248.9	246.4	246.4	251.5	251.5	248.9	241.3	236.2	223.5
62.5°	195.6	195.6	195.6	195.6	195.6	198.1	198.1	198.1	193.0	188.0	177.8
65°	154.9	157.5	154.9	154.9	157.5	160.0	157.5	160.0	154.9	152.4	144.8
67.5°	119.4	121.9	119.4	121.9	121.9	124.5	121.9	124.5	119.4	116.8	111.8
70°	91.4	91.4	91.4	91.4	91.4	94.0	91.4	94.0	91.4	88.9	83.8
72.5°	68.6	68.6	71.1	71.1	68.6	71.1	68.6	68.6	68.6	66.0	63.5
75°	50.8	50.8	53.3	50.8	50.8	50.8	50.8	50.8	48.3	48.3	45.7
77.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	33.0	33.0	30.5
80°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	20.3	20.3
82.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	12.7	12.7
85°	7.6	7.6	7.6	10.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	2.5	2.5	2.5	5.1	2.5	2.5	5.1	5.1	2.5	2.5	2.5
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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2148.9	2156.5	2156.5	2148.9	2166.7	2151.5	2181.9	2154.0	2161.6	2187.0	2184.5
5°	2141.3	2151.5	2154.0	2148.9	2171.8	2159.1	2189.6	2161.6	2174.3	2199.7	2199.7
7.5°	2131.1	2143.8	2148.9	2154.0	2174.3	2161.6	2197.2	2169.2	2187.0	2217.5	2215.0
10°	2108.3	2126.0	2136.2	2143.8	2164.2	2156.5	2194.6	2171.8	2187.0	2222.6	2220.0
12.5°	2095.6	2115.9	2131.1	2143.8	2166.7	2161.6	2199.7	2179.4	2199.7	2235.3	2235.3
15°	2085.4	2108.3	2126.0	2148.9	2171.8	2166.7	2207.3	2189.6	2209.9	2253.1	2250.5
17.5°	2060.0	2087.9	2105.7	2131.1	2154.0	2151.5	2194.6	2181.9	2204.8	2245.4	2248.0
20°	2016.8	2042.2	2062.5	2093.0	2118.4	2113.3	2159.1	2146.4	2169.2	2212.4	2215.0
22.5°	1960.9	1986.3	2006.7	2039.7	2062.5	2060.0	2105.7	2093.0	2115.9	2156.5	2159.1
25°	1894.9	1917.8	1938.1	1968.6	1994.0	1994.0	2034.6	2021.9	2047.3	2087.9	2087.9
27.5°	1813.6	1833.9	1851.7	1887.3	1907.6	1907.6	1945.7	1933.0	1958.4	1994.0	1991.4
30°	1714.6	1732.3	1747.6	1778.1	1795.8	1798.4	1831.4	1818.7	1844.1	1874.6	1874.6
32.5°	1595.2	1613.0	1623.1	1661.2	1673.9	1671.4	1696.8	1684.1	1709.5	1742.5	1734.9
35°	1468.2	1475.8	1483.4	1521.5	1526.6	1516.4	1541.8	1529.1	1546.9	1579.9	1574.9
37.5°	1323.4	1325.9	1325.9	1358.9	1361.5	1353.9	1369.1	1353.9	1366.6	1397.0	1394.5
40°	1163.4	1160.8	1158.3	1183.7	1181.1	1165.9	1176.1	1163.4	1181.1	1204.0	1191.3
42.5°	1000.8	993.2	983.0	995.7	985.6	972.9	977.9	957.6	970.3	988.1	972.9
45°	840.8	825.5	805.2	807.7	795.0	779.8	772.2	751.9	749.3	767.1	754.4
47.5°	690.9	660.4	642.6	632.5	612.2	599.5	584.2	561.4	551.2	561.4	548.7
50°	556.3	525.8	502.9	480.1	459.8	444.5	419.1	403.9	388.6	391.2	381.0
52.5°	439.4	419.1	381.0	363.2	342.9	325.1	302.3	284.5	266.7	266.7	256.5
55°	348.0	320.1	294.6	269.2	248.9	233.7	210.8	193.0	175.3	172.7	162.6
57.5°	269.2	248.9	221.0	195.6	182.9	167.6	144.8	124.5	114.3	106.7	99.1
60°	208.3	188.0	165.1	144.8	129.5	119.4	96.5	81.3	71.1	66.0	58.4
62.5°	167.6	149.9	129.5	109.2	99.1	88.9	71.1	58.4	48.3	43.2	38.1
65°	134.6	119.4	104.1	88.9	81.3	71.1	58.4	48.3	40.6	35.6	30.5
67.5°	104.1	94.0	81.3	71.1	63.5	55.9	45.7	38.1	33.0	27.9	25.4
70°	78.7	71.1	63.5	53.3	48.3	43.2	35.6	27.9	25.4	22.9	20.3
72.5°	61.0	53.3	45.7	40.6	35.6	33.0	27.9	22.9	20.3	17.8	15.2
75°	40.6	38.1	33.0	27.9	25.4	22.9	20.3	17.8	15.2	12.7	12.7
77.5°	27.9	25.4	22.9	20.3	17.8	17.8	15.2	12.7	10.2	10.2	7.6
80°	17.8	15.2	15.2	12.7	12.7	12.7	10.2	7.6	7.6	7.6	5.1
82.5°	12.7	10.2	10.2	7.6	7.6	7.6	7.6	5.1	5.1	5.1	2.5
85°	7.6	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2164.2	2187.0	2187.0	2207.3	2209.9	2204.8	2181.9	2181.9	2212.4	2230.2	2199.7
5°	2184.5	2207.3	2207.3	2227.7	2237.8	2230.2	2207.3	2209.9	2240.4	2260.7	2230.2
7.5°	2202.3	2225.1	2230.2	2253.1	2260.7	2253.1	2230.2	2235.3	2268.3	2286.1	2255.6
10°	2209.9	2232.7	2235.3	2260.7	2270.8	2260.7	2242.9	2245.4	2281.0	2293.7	2265.8
12.5°	2227.7	2250.5	2250.5	2278.5	2288.6	2281.0	2258.1	2263.2	2298.8	2311.5	2283.5
15°	2245.4	2268.3	2268.3	2298.8	2311.5	2301.3	2283.5	2286.1	2321.6	2334.3	2311.5
17.5°	2245.4	2265.8	2265.8	2298.8	2311.5	2303.9	2283.5	2286.1	2324.2	2334.3	2311.5
20°	2212.4	2235.3	2230.2	2263.2	2275.9	2268.3	2250.5	2250.5	2288.6	2298.8	2275.9
22.5°	2159.1	2179.4	2174.3	2204.8	2220.0	2209.9	2194.6	2192.1	2230.2	2240.4	2217.5
25°	2085.4	2105.7	2100.6	2131.1	2146.4	2133.7	2115.9	2118.4	2148.9	2164.2	2143.8
27.5°	1999.0	2011.7	2004.1	2034.6	2049.8	2037.1	2019.4	2021.9	2052.4	2062.5	2047.3
30°	1882.2	1892.4	1884.7	1910.1	1920.3	1912.7	1897.4	1897.4	1925.4	1938.1	1922.8
32.5°	1742.5	1750.1	1742.5	1762.8	1783.1	1767.9	1752.7	1752.7	1783.1	1793.3	1775.5
35°	1579.9	1587.6	1582.5	1602.8	1618.0	1597.7	1585.0	1579.9	1620.6	1615.5	1605.3
37.5°	1399.6	1404.7	1389.4	1425.0	1432.6	1409.7	1399.6	1394.5	1430.1	1427.5	1417.4
40°	1196.4	1201.5	1191.3	1216.7	1219.2	1201.5	1193.8	1186.2	1221.8	1219.2	1211.6
42.5°	980.5	983.0	970.3	990.6	995.7	977.9	975.4	965.2	998.3	993.2	990.6
45°	756.9	756.9	746.8	762.0	767.1	751.9	746.8	744.2	767.1	767.1	762.0
47.5°	548.7	541.0	528.3	551.2	553.7	543.6	541.0	533.4	556.3	556.3	551.2
50°	375.9	373.4	370.9	375.9	378.5	365.8	373.4	365.8	378.5	378.5	378.5
52.5°	251.5	248.9	243.8	248.9	248.9	241.3	241.3	238.8	248.9	248.9	243.8
55°	157.5	154.9	152.4	154.9	154.9	147.3	152.4	147.3	152.4	152.4	149.9
57.5°	96.5	91.4	91.4	88.9	88.9	83.8	86.4	86.4	86.4	86.4	86.4
60°	55.9	53.3	50.8	50.8	50.8	48.3	48.3	48.3	48.3	48.3	48.3
62.5°	35.6	35.6	33.0	33.0	33.0	33.0	33.0	30.5	33.0	33.0	33.0
65°	30.5	27.9	27.9	27.9	27.9	25.4	25.4	25.4	25.4	25.4	25.4
67.5°	25.4	22.9	22.9	22.9	22.9	20.3	20.3	20.3	20.3	20.3	20.3
70°	20.3	17.8	17.8	17.8	17.8	17.8	15.2	17.8	17.8	15.2	15.2
72.5°	15.2	15.2	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
75°	10.2	10.2	10.2	10.2	10.2	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	2.5	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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2235.3	2209.9	2197.2	2222.6	2232.7	2220.0	2209.9	2192.1	2209.9	2220.0	2232.7
5°	2265.8	2242.9	2232.7	2250.5	2265.8	2253.1	2245.4	2227.7	2245.4	2253.1	2265.8
7.5°	2293.7	2270.8	2258.1	2275.9	2293.7	2275.9	2268.3	2253.1	2268.3	2275.9	2293.7
10°	2303.9	2278.5	2268.3	2283.5	2301.3	2283.5	2273.4	2263.2	2273.4	2283.5	2301.3
12.5°	2321.6	2296.2	2283.5	2296.2	2314.0	2296.2	2286.1	2278.5	2286.1	2296.2	2314.0
15°	2347.0	2324.2	2308.9	2321.6	2344.5	2324.2	2311.5	2308.9	2311.5	2324.2	2344.5
17.5°	2347.0	2329.3	2314.0	2324.2	2347.0	2331.8	2314.0	2319.1	2314.0	2331.8	2347.0
20°	2314.0	2296.2	2283.5	2283.5	2316.6	2296.2	2281.0	2288.6	2281.0	2296.2	2316.6
22.5°	2255.6	2240.4	2227.7	2225.1	2258.1	2240.4	2220.0	2235.3	2220.0	2240.4	2258.1
25°	2179.4	2164.2	2154.0	2148.9	2181.9	2161.6	2143.8	2159.1	2143.8	2161.6	2181.9
27.5°	2080.3	2067.6	2057.5	2049.8	2080.3	2062.5	2044.8	2060.0	2044.8	2062.5	2080.3
30°	1953.3	1945.7	1935.5	1925.4	1955.9	1938.1	1920.3	1940.6	1920.3	1938.1	1955.9
32.5°	1806.0	1800.9	1788.2	1778.1	1808.5	1788.2	1775.5	1790.8	1775.5	1788.2	1808.5
35°	1635.8	1628.2	1620.6	1602.8	1635.8	1618.0	1618.0	1623.1	1618.0	1618.0	1635.8
37.5°	1445.3	1440.2	1430.1	1414.8	1442.8	1430.1	1425.0	1440.2	1425.0	1430.1	1442.8
40°	1231.9	1229.4	1221.8	1204.0	1234.5	1221.8	1214.2	1234.5	1214.2	1221.8	1234.5
42.5°	1008.4	1003.3	995.7	993.2	1008.4	998.3	1005.9	1005.9	1005.9	998.3	1008.4
45°	777.3	772.2	767.1	756.9	774.7	769.6	767.1	772.2	767.1	769.6	774.7
47.5°	563.9	558.8	553.7	546.1	563.9	556.3	556.3	561.4	556.3	556.3	563.9
50°	378.5	381.0	378.5	373.4	378.5	375.9	378.5	383.6	378.5	375.9	378.5
52.5°	251.5	251.5	246.4	243.8	248.9	246.4	254.0	248.9	254.0	246.4	248.9
55°	152.4	154.9	152.4	149.9	152.4	149.9	157.5	154.9	157.5	149.9	152.4
57.5°	86.4	86.4	88.9	86.4	91.4	88.9	88.9	88.9	88.9	88.9	91.4
60°	48.3	48.3	48.3	48.3	48.3	48.3	50.8	48.3	50.8	48.3	48.3
62.5°	33.0	33.0	33.0	30.5	33.0	30.5	33.0	33.0	33.0	30.5	33.0
65°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
67.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
70°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
72.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
75°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2222.6	2197.2	2209.9	2235.3	2199.7	2230.2	2212.4	2181.9	2181.9	2204.8	2209.9
5°	2250.5	2232.7	2242.9	2265.8	2230.2	2260.7	2240.4	2209.9	2207.3	2230.2	2237.8
7.5°	2275.9	2258.1	2270.8	2293.7	2255.6	2286.1	2268.3	2235.3	2230.2	2253.1	2260.7
10°	2283.5	2268.3	2278.5	2303.9	2265.8	2293.7	2281.0	2245.4	2242.9	2260.7	2270.8
12.5°	2296.2	2283.5	2296.2	2321.6	2283.5	2311.5	2298.8	2263.2	2258.1	2281.0	2288.6
15°	2321.6	2308.9	2324.2	2347.0	2311.5	2334.3	2321.6	2286.1	2283.5	2301.3	2311.5
17.5°	2324.2	2314.0	2329.3	2347.0	2311.5	2334.3	2324.2	2286.1	2283.5	2303.9	2311.5
20°	2283.5	2283.5	2296.2	2314.0	2275.9	2298.8	2288.6	2250.5	2250.5	2268.3	2275.9
22.5°	2225.1	2227.7	2240.4	2255.6	2217.5	2240.4	2230.2	2192.1	2194.6	2209.9	2220.0
25°	2148.9	2154.0	2164.2	2179.4	2143.8	2164.2	2148.9	2118.4	2115.9	2133.7	2146.4
27.5°	2049.8	2057.5	2067.6	2080.3	2047.3	2062.5	2052.4	2021.9	2019.4	2037.1	2049.8
30°	1925.4	1935.5	1945.7	1953.3	1922.8	1938.1	1925.4	1897.4	1897.4	1912.7	1920.3
32.5°	1778.1	1788.2	1800.9	1806.0	1775.5	1793.3	1783.1	1752.7	1752.7	1767.9	1783.1
35°	1602.8	1620.6	1628.2	1635.8	1605.3	1615.5	1620.6	1579.9	1585.0	1597.7	1618.0
37.5°	1414.8	1430.1	1440.2	1445.3	1417.4	1427.5	1430.1	1394.5	1399.6	1409.7	1432.6
40°	1204.0	1221.8	1229.4	1231.9	1211.6	1219.2	1221.8	1186.2	1193.8	1201.5	1219.2
42.5°	993.2	995.7	1003.3	1008.4	990.6	993.2	998.3	965.2	975.4	977.9	995.7
45°	756.9	767.1	772.2	777.3	762.0	767.1	767.1	744.2	746.8	751.9	767.1
47.5°	546.1	553.7	558.8	563.9	551.2	556.3	556.3	533.4	541.0	543.6	553.7
50°	373.4	378.5	381.0	378.5	378.5	378.5	378.5	365.8	373.4	365.8	378.5
52.5°	243.8	246.4	251.5	251.5	243.8	248.9	248.9	238.8	241.3	241.3	248.9
55°	149.9	152.4	154.9	152.4	149.9	152.4	152.4	147.3	152.4	147.3	154.9
57.5°	86.4	88.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	83.8	88.9
60°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	50.8
62.5°	30.5	33.0	33.0	33.0	33.0	33.0	33.0	30.5	33.0	33.0	33.0
65°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	27.9
67.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	22.9
70°	15.2	15.2	15.2	15.2	15.2	15.2	17.8	17.8	15.2	17.8	17.8
72.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
75°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.2
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0	2.5
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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2207.3	2187.0	2187.0	2164.2	2184.5	2187.0	2161.6	2154.0	2181.9	2151.5	2166.7
5°	2227.7	2207.3	2207.3	2184.5	2199.7	2199.7	2174.3	2161.6	2189.6	2159.1	2171.8
7.5°	2253.1	2230.2	2225.1	2202.3	2215.0	2217.5	2187.0	2169.2	2197.2	2161.6	2174.3
10°	2260.7	2235.3	2232.7	2209.9	2220.0	2222.6	2187.0	2171.8	2194.6	2156.5	2164.2
12.5°	2278.5	2250.5	2250.5	2227.7	2235.3	2235.3	2199.7	2179.4	2199.7	2161.6	2166.7
15°	2298.8	2268.3	2268.3	2245.4	2250.5	2253.1	2209.9	2189.6	2207.3	2166.7	2171.8
17.5°	2298.8	2265.8	2265.8	2245.4	2248.0	2245.4	2204.8	2181.9	2194.6	2151.5	2154.0
20°	2263.2	2230.2	2235.3	2212.4	2215.0	2212.4	2169.2	2146.4	2159.1	2113.3	2118.4
22.5°	2204.8	2174.3	2179.4	2159.1	2159.1	2156.5	2115.9	2093.0	2105.7	2060.0	2062.5
25°	2131.1	2100.6	2105.7	2085.4	2087.9	2087.9	2047.3	2021.9	2034.6	1994.0	1994.0
27.5°	2034.6	2004.1	2011.7	1999.0	1991.4	1994.0	1958.4	1933.0	1945.7	1907.6	1907.6
30°	1910.1	1884.7	1892.4	1882.2	1874.6	1874.6	1844.1	1818.7	1831.4	1798.4	1795.8
32.5°	1762.8	1742.5	1750.1	1742.5	1734.9	1742.5	1709.5	1684.1	1696.8	1671.4	1673.9
35°	1602.8	1582.5	1587.6	1579.9	1574.9	1579.9	1546.9	1529.1	1541.8	1516.4	1526.6
37.5°	1425.0	1389.4	1404.7	1399.6	1394.5	1397.0	1366.6	1353.9	1369.1	1353.9	1361.5
40°	1216.7	1191.3	1201.5	1196.4	1191.3	1204.0	1181.1	1163.4	1176.1	1165.9	1181.1
42.5°	990.6	970.3	983.0	980.5	972.9	988.1	970.3	957.6	977.9	972.9	985.6
45°	762.0	746.8	756.9	756.9	754.4	767.1	749.3	751.9	772.2	779.8	795.0
47.5°	551.2	528.3	541.0	548.7	548.7	561.4	551.2	561.4	584.2	599.5	612.2
50°	375.9	370.9	373.4	375.9	381.0	391.2	388.6	403.9	419.1	444.5	459.8
52.5°	248.9	243.8	248.9	251.5	256.5	266.7	266.7	284.5	302.3	325.1	342.9
55°	154.9	152.4	154.9	157.5	162.6	172.7	175.3	193.0	210.8	233.7	248.9
57.5°	88.9	91.4	91.4	96.5	99.1	106.7	114.3	124.5	144.8	167.6	182.9
60°	50.8	50.8	53.3	55.9	58.4	66.0	71.1	81.3	96.5	119.4	129.5
62.5°	33.0	33.0	35.6	35.6	38.1	43.2	48.3	58.4	71.1	88.9	99.1
65°	27.9	27.9	27.9	30.5	30.5	35.6	40.6	48.3	58.4	71.1	81.3
67.5°	22.9	22.9	22.9	25.4	25.4	27.9	33.0	38.1	45.7	55.9	63.5
70°	17.8	17.8	17.8	20.3	20.3	22.9	25.4	27.9	35.6	43.2	48.3
72.5°	12.7	12.7	15.2	15.2	15.2	17.8	20.3	22.9	27.9	33.0	35.6
75°	10.2	10.2	10.2	10.2	12.7	12.7	15.2	17.8	20.3	22.9	25.4
77.5°	5.1	5.1	7.6	7.6	7.6	10.2	10.2	12.7	15.2	17.8	17.8
80°	5.1	5.1	5.1	5.1	5.1	7.6	7.6	7.6	10.2	12.7	12.7
82.5°	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	7.6	7.6	7.6
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2148.9	2156.5	2156.5	2148.9	2128.6	2146.4	2164.2	2146.4	2169.2	2128.6	2128.6
5°	2148.9	2154.0	2151.5	2141.3	2121.0	2136.2	2148.9	2131.1	2148.9	2110.8	2108.3
7.5°	2154.0	2148.9	2143.8	2131.1	2105.7	2115.9	2128.6	2108.3	2126.0	2085.4	2080.3
10°	2143.8	2136.2	2126.0	2108.3	2080.3	2087.9	2095.6	2077.8	2090.5	2049.8	2047.3
12.5°	2143.8	2131.1	2115.9	2095.6	2065.1	2070.2	2077.8	2054.9	2065.1	2027.0	2021.9
15°	2148.9	2126.0	2108.3	2085.4	2052.4	2054.9	2060.0	2034.6	2044.8	2004.1	2001.6
17.5°	2131.1	2105.7	2087.9	2060.0	2024.4	2027.0	2027.0	2001.6	2009.2	1968.6	1966.0
20°	2093.0	2062.5	2042.2	2016.8	1978.7	1978.7	1978.7	1953.3	1958.4	1922.8	1917.8
22.5°	2039.7	2006.7	1986.3	1960.9	1925.4	1922.8	1920.3	1900.0	1900.0	1867.0	1859.3
25°	1968.6	1938.1	1917.8	1894.9	1859.3	1854.3	1854.3	1836.5	1833.9	1803.5	1798.4
27.5°	1887.3	1851.7	1833.9	1813.6	1780.6	1775.5	1773.0	1762.8	1757.7	1724.7	1722.2
30°	1778.1	1747.6	1732.3	1714.6	1684.1	1679.0	1676.5	1666.3	1663.8	1630.7	1630.7
32.5°	1661.2	1623.1	1613.0	1595.2	1572.3	1569.8	1572.3	1559.6	1549.5	1526.6	1521.5
35°	1521.5	1483.4	1475.8	1468.2	1450.4	1445.3	1442.8	1440.2	1427.5	1412.3	1404.7
37.5°	1358.9	1325.9	1325.9	1323.4	1310.7	1310.7	1310.7	1305.6	1292.9	1287.8	1272.6
40°	1183.7	1158.3	1160.8	1163.4	1158.3	1160.8	1163.4	1158.3	1148.1	1143.0	1130.3
42.5°	995.7	983.0	993.2	1000.8	1000.8	1008.4	1013.5	1013.5	1000.8	998.3	988.1
45°	807.7	805.2	825.5	840.8	845.8	858.5	866.2	861.1	861.1	861.1	850.9
47.5°	632.5	642.6	660.4	690.9	701.1	716.3	721.4	729.0	726.5	729.0	721.4
50°	480.1	502.9	525.8	556.3	571.5	589.3	596.9	607.1	607.1	609.6	604.5
52.5°	363.2	381.0	419.1	439.4	457.2	475.0	485.2	495.3	497.9	497.9	492.8
55°	269.2	294.6	320.1	348.0	363.2	381.0	388.6	398.8	398.8	403.9	398.8
57.5°	195.6	221.0	248.9	269.2	287.0	299.7	307.4	315.0	320.1	320.1	317.5
60°	144.8	165.1	188.0	208.3	223.5	236.2	241.3	248.9	251.5	251.5	246.4
62.5°	109.2	129.5	149.9	167.6	177.8	188.0	193.0	198.1	198.1	198.1	195.6
65°	88.9	104.1	119.4	134.6	144.8	152.4	154.9	160.0	157.5	160.0	157.5
67.5°	71.1	81.3	94.0	104.1	111.8	116.8	119.4	124.5	121.9	124.5	121.9
70°	53.3	63.5	71.1	78.7	83.8	88.9	91.4	94.0	91.4	94.0	91.4
72.5°	40.6	45.7	53.3	61.0	63.5	66.0	68.6	68.6	68.6	71.1	68.6
75°	27.9	33.0	38.1	40.6	45.7	48.3	48.3	50.8	50.8	50.8	50.8
77.5°	20.3	22.9	25.4	27.9	30.5	33.0	33.0	35.6	35.6	35.6	35.6
80°	12.7	15.2	15.2	17.8	20.3	20.3	22.9	22.9	22.9	22.9	22.9
82.5°	7.6	10.2	10.2	12.7	12.7	12.7	15.2	15.2	15.2	15.2	15.2
85°	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	2.5	2.5
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: P212846

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2181.9	2181.9	2181.9	2181.9
2.5°	2148.9	2136.2	2156.5	2126.0
5°	2126.0	2113.3	2138.8	2100.6
7.5°	2098.1	2085.4	2108.3	2070.2
10°	2062.5	2049.8	2070.2	2029.5
12.5°	2032.1	2019.4	2042.2	2004.1
15°	2009.2	1996.5	2016.8	1981.3
17.5°	1973.6	1958.4	1981.3	1943.2
20°	1922.8	1912.7	1930.5	1892.4
22.5°	1864.4	1854.3	1874.6	1836.5
25°	1803.5	1790.8	1811.1	1773.0
27.5°	1724.7	1714.6	1734.9	1696.8
30°	1630.7	1620.6	1640.9	1605.3
32.5°	1524.0	1513.9	1529.1	1498.6
35°	1402.1	1394.5	1409.7	1376.7
37.5°	1270.0	1262.4	1277.7	1244.6
40°	1127.8	1120.2	1132.9	1117.6
42.5°	988.1	980.5	993.2	980.5
45°	850.9	845.8	858.5	845.8
47.5°	723.9	718.8	731.5	718.8
50°	602.0	604.5	609.6	604.5
52.5°	492.8	492.8	500.4	492.8
55°	398.8	401.3	403.9	398.8
57.5°	317.5	317.5	320.1	317.5
60°	246.4	248.9	248.9	246.4
62.5°	195.6	195.6	195.6	195.6
65°	154.9	154.9	157.5	154.9
67.5°	121.9	119.4	121.9	119.4
70°	91.4	91.4	91.4	91.4
72.5°	71.1	71.1	68.6	68.6
75°	50.8	53.3	50.8	50.8
77.5°	35.6	35.6	35.6	35.6
80°	22.9	22.9	22.9	22.9
82.5°	15.2	15.2	15.2	15.2
85°	10.2	7.6	7.6	7.6
87.5°	5.1	2.5	2.5	2.5
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)