

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: P212860

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212860
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: LD6B60D010TE EU6B60709730 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4259.9 lumens
Efficiency: N/A
Efficacy: 68.2 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

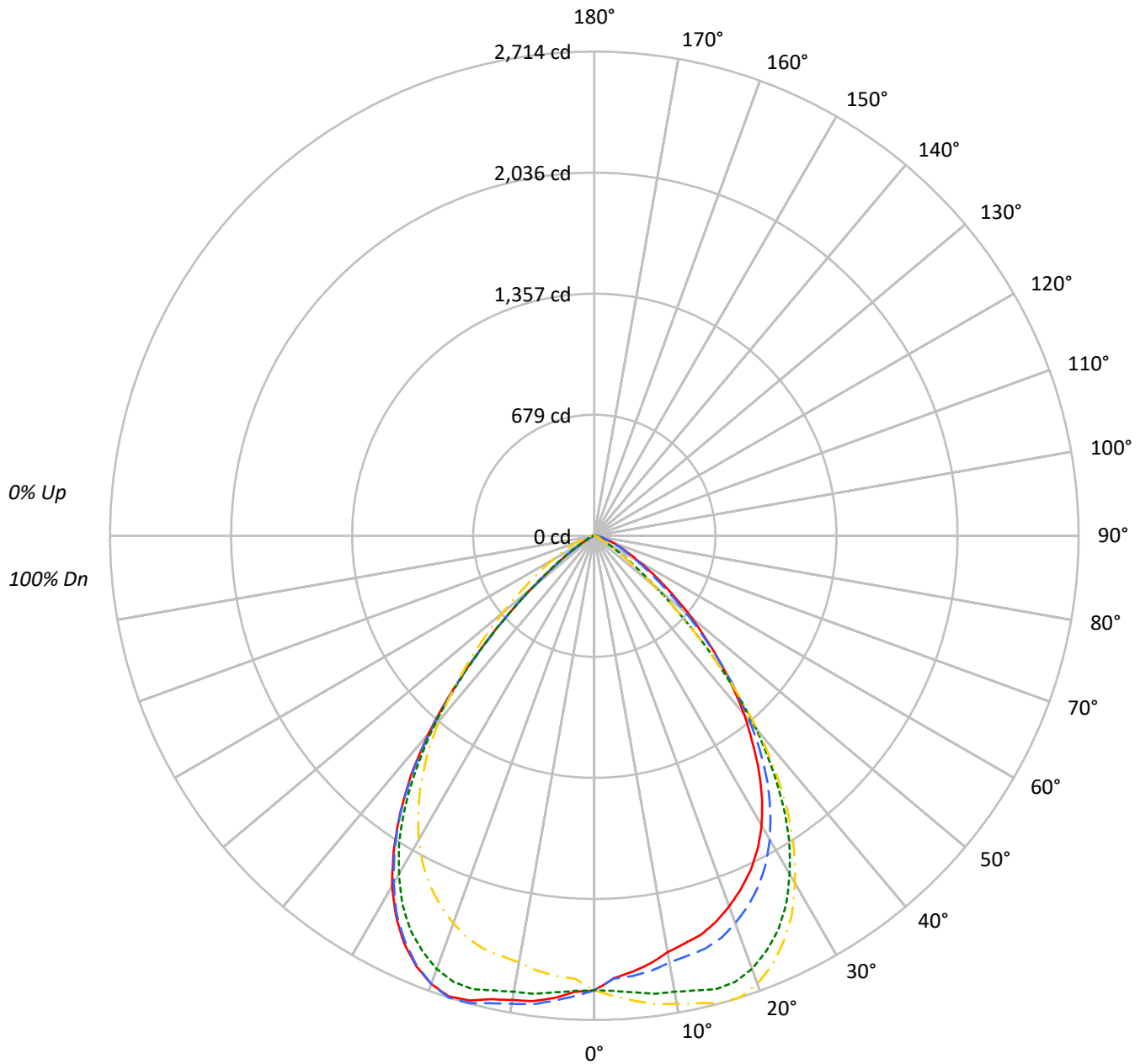
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	98		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	70	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°	139676	139676	139676	139676
5°	134982	141349	143148	141349
10°	131923	144470	147114	144470
15°	131300	149314	153020	149314
20°	128910	150717	155904	150717
25°	125227	147474	152501	147474
30°	118664	138566	143446	138566
35°	107586	123466	126839	123466
40°	93396	100610	103158	100610
45°	76574	69449	69906	69449
50°	60203	38958	38199	38958
55°	44510	19278	17290	19278
60°	31544	8453	6184	8453
65°	23466	5383	3853	5383
70°	17118	4280	2853	4280
75°	12560	3135	1885	3135
80°	8429	2810	947	2810
85°	5598	1887	1887	1887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	5.7
10°-20°	722.4	17.0
20°-30°	1078.0	25.3
30°-40°	1107.6	26.0
40°-50°	717.3	16.8
50°-60°	266.7	6.3
60°-70°	87.5	2.1
70°-80°	30.9	0.7
80°-90°	5.6	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°	2044.4	48.0
0°-40°	3152.0	74.0
0°-60°	4135.9	97.1
0°-90°	4259.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4259.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2548	2548	2548	2548	2548	
5°	2453	2569	2601	2569	2453	232
15°	2314	2631	2696	2631	2314	651
25°	2070	2438	2521	2438	2070	949
35°	1608	1845	1895	1845	1608	998
45°	988	896	902	896	988	764
55°	466	202	181	202	466	425
65°	181	42	30	42	181	184
75°	59	15	9	15	59	65
85°	9	3	3	3	9	12
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°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2482.6	2518.2	2494.5	2509.3	2485.6	2485.6	2533.0	2506.3	2527.1	2506.3	2485.6
5°	2452.9	2497.4	2467.8	2482.6	2461.8	2464.8	2509.3	2488.5	2509.3	2494.5	2476.7
7.5°	2417.4	2461.8	2435.2	2450.0	2429.2	2435.2	2482.6	2461.8	2485.6	2470.7	2458.9
10°	2369.9	2417.4	2393.6	2408.5	2390.7	2393.6	2441.1	2426.3	2447.0	2438.1	2429.2
12.5°	2340.2	2384.7	2358.0	2372.9	2361.0	2366.9	2411.4	2399.6	2426.3	2417.4	2411.4
15°	2313.5	2355.1	2331.3	2346.2	2337.3	2340.2	2387.7	2375.8	2405.5	2399.6	2396.6
17.5°	2269.1	2313.5	2286.8	2304.6	2295.7	2298.7	2346.2	2337.3	2366.9	2366.9	2364.0
20°	2209.7	2254.2	2233.5	2245.3	2239.4	2245.3	2286.8	2280.9	2310.6	2310.6	2310.6
22.5°	2144.5	2189.0	2165.2	2177.1	2171.2	2180.1	2218.6	2218.6	2242.4	2245.3	2248.3
25°	2070.3	2114.8	2091.1	2105.9	2100.0	2105.9	2141.5	2144.5	2165.2	2165.2	2171.2
27.5°	1981.3	2025.8	2002.1	2014.0	2011.0	2014.0	2052.5	2058.5	2070.3	2073.3	2079.2
30°	1874.6	1916.1	1892.4	1904.2	1904.2	1904.2	1942.8	1945.7	1957.6	1960.6	1966.5
32.5°	1750.0	1785.6	1767.8	1779.6	1776.7	1782.6	1809.3	1821.2	1836.0	1833.0	1836.0
35°	1607.6	1646.2	1628.4	1637.3	1640.2	1649.1	1666.9	1681.8	1684.7	1687.7	1693.6
37.5°	1453.4	1491.9	1474.1	1483.0	1486.0	1503.8	1509.7	1524.6	1530.5	1530.5	1530.5
40°	1305.1	1322.9	1308.0	1316.9	1319.9	1334.7	1340.7	1352.5	1358.5	1355.5	1352.5
42.5°	1144.9	1159.7	1144.9	1153.8	1153.8	1165.7	1168.6	1183.5	1183.5	1177.5	1168.6
45°	987.7	1002.5	987.7	993.6	993.6	1005.5	1005.5	1005.5	1011.4	1002.5	987.7
47.5°	839.4	854.2	839.4	845.3	842.4	851.3	848.3	851.3	842.4	836.4	818.6
50°	705.9	711.9	705.9	703.0	705.9	711.9	708.9	708.9	697.0	688.1	667.4
52.5°	575.4	584.3	575.4	575.4	575.4	581.4	581.4	578.4	566.5	554.7	533.9
55°	465.7	471.6	468.6	465.7	465.7	471.6	465.7	465.7	453.8	444.9	424.1
57.5°	370.8	373.7	370.8	370.8	370.8	373.7	373.7	367.8	358.9	350.0	335.2
60°	287.7	290.7	290.7	287.7	287.7	293.6	293.6	290.7	281.8	275.8	261.0
62.5°	228.4	228.4	228.4	228.4	228.4	231.4	231.4	231.4	225.4	219.5	207.6
65°	180.9	183.9	180.9	180.9	183.9	186.9	183.9	186.9	180.9	178.0	169.1
67.5°	139.4	142.4	139.4	142.4	142.4	145.3	142.4	145.3	139.4	136.4	130.5
70°	106.8	106.8	106.8	106.8	106.8	109.7	106.8	109.7	106.8	103.8	97.9
72.5°	80.1	80.1	83.1	83.1	80.1	83.1	80.1	80.1	80.1	77.1	74.2
75°	59.3	59.3	62.3	59.3	59.3	59.3	59.3	59.3	56.4	56.4	53.4
77.5°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	38.6	38.6	35.6
80°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	23.7	23.7
82.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.8	14.8
85°	8.9	8.9	8.9	11.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	3.0	3.0	3.0	5.9	3.0	3.0	5.9	5.9	3.0	3.0	3.0
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2509.3	2518.2	2518.2	2509.3	2530.1	2512.3	2547.9	2515.2	2524.1	2553.8	2550.8
5°	2500.4	2512.3	2515.2	2509.3	2536.0	2521.2	2556.8	2524.1	2539.0	2568.6	2568.6
7.5°	2488.5	2503.4	2509.3	2515.2	2539.0	2524.1	2565.7	2533.0	2553.8	2589.4	2586.4
10°	2461.8	2482.6	2494.5	2503.4	2527.1	2518.2	2562.7	2536.0	2553.8	2595.3	2592.4
12.5°	2447.0	2470.7	2488.5	2503.4	2530.1	2524.1	2568.6	2544.9	2568.6	2610.2	2610.2
15°	2435.2	2461.8	2482.6	2509.3	2536.0	2530.1	2577.5	2556.8	2580.5	2630.9	2627.9
17.5°	2405.5	2438.1	2458.9	2488.5	2515.2	2512.3	2562.7	2547.9	2574.6	2622.0	2625.0
20°	2355.1	2384.7	2408.5	2444.1	2473.7	2467.8	2521.2	2506.3	2533.0	2583.5	2586.4
22.5°	2289.8	2319.5	2343.2	2381.8	2408.5	2405.5	2458.9	2444.1	2470.7	2518.2	2521.2
25°	2212.7	2239.4	2263.1	2298.7	2328.4	2328.4	2375.8	2361.0	2390.7	2438.1	2438.1
27.5°	2117.8	2141.5	2162.3	2203.8	2227.5	2227.5	2272.0	2257.2	2286.8	2328.4	2325.4
30°	2002.1	2022.9	2040.7	2076.3	2097.0	2100.0	2138.5	2123.7	2153.4	2189.0	2189.0
32.5°	1862.7	1883.5	1895.3	1939.8	1954.6	1951.7	1981.3	1966.5	1996.2	2034.7	2025.8
35°	1714.4	1723.3	1732.2	1776.7	1782.6	1770.8	1800.4	1785.6	1806.3	1844.9	1839.0
37.5°	1545.3	1548.3	1548.3	1586.9	1589.8	1580.9	1598.7	1580.9	1595.8	1631.3	1628.4
40°	1358.5	1355.5	1352.5	1382.2	1379.2	1361.4	1373.3	1358.5	1379.2	1405.9	1391.1
42.5°	1168.6	1159.7	1147.9	1162.7	1150.8	1136.0	1141.9	1118.2	1133.0	1153.8	1136.0
45°	981.8	964.0	940.2	943.2	928.4	910.6	901.7	878.0	875.0	895.8	880.9
47.5°	806.8	771.2	750.4	738.6	714.8	700.0	682.2	655.5	643.6	655.5	640.7
50°	649.6	614.0	587.3	560.6	536.9	519.1	489.4	471.6	453.8	456.8	444.9
52.5°	513.1	489.4	444.9	424.1	400.4	379.7	353.0	332.2	311.4	311.4	299.6
55°	406.4	373.7	344.1	314.4	290.7	272.9	246.2	225.4	204.7	201.7	189.8
57.5°	314.4	290.7	258.0	228.4	213.6	195.8	169.1	145.3	133.5	124.6	115.7
60°	243.2	219.5	192.8	169.1	151.3	139.4	112.7	94.9	83.1	77.1	68.2
62.5°	195.8	175.0	151.3	127.5	115.7	103.8	83.1	68.2	56.4	50.4	44.5
65°	157.2	139.4	121.6	103.8	94.9	83.1	68.2	56.4	47.5	41.5	35.6
67.5°	121.6	109.7	94.9	83.1	74.2	65.3	53.4	44.5	38.6	32.6	29.7
70°	91.9	83.1	74.2	62.3	56.4	50.4	41.5	32.6	29.7	26.7	23.7
72.5°	71.2	62.3	53.4	47.5	41.5	38.6	32.6	26.7	23.7	20.8	17.8
75°	47.5	44.5	38.6	32.6	29.7	26.7	23.7	20.8	17.8	14.8	14.8
77.5°	32.6	29.7	26.7	23.7	20.8	20.8	17.8	14.8	11.9	11.9	8.9
80°	20.8	17.8	17.8	14.8	14.8	14.8	11.9	8.9	8.9	8.9	5.9
82.5°	14.8	11.9	11.9	8.9	8.9	8.9	8.9	5.9	5.9	5.9	3.0
85°	8.9	5.9	5.9	5.9	5.9	5.9	5.9	3.0	3.0	3.0	3.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2527.1	2553.8	2553.8	2577.5	2580.5	2574.6	2547.9	2547.9	2583.5	2604.2	2568.6
5°	2550.8	2577.5	2577.5	2601.3	2613.1	2604.2	2577.5	2580.5	2616.1	2639.8	2604.2
7.5°	2571.6	2598.3	2604.2	2630.9	2639.8	2630.9	2604.2	2610.2	2648.7	2669.5	2633.9
10°	2580.5	2607.2	2610.2	2639.8	2651.7	2639.8	2619.0	2622.0	2663.5	2678.4	2645.7
12.5°	2601.3	2627.9	2627.9	2660.6	2672.4	2663.5	2636.8	2642.8	2684.3	2699.1	2666.5
15°	2622.0	2648.7	2648.7	2684.3	2699.1	2687.3	2666.5	2669.5	2711.0	2725.8	2699.1
17.5°	2622.0	2645.7	2645.7	2684.3	2699.1	2690.2	2666.5	2669.5	2714.0	2725.8	2699.1
20°	2583.5	2610.2	2604.2	2642.8	2657.6	2648.7	2627.9	2627.9	2672.4	2684.3	2657.6
22.5°	2521.2	2544.9	2539.0	2574.6	2592.4	2580.5	2562.7	2559.7	2604.2	2616.1	2589.4
25°	2435.2	2458.9	2452.9	2488.5	2506.3	2491.5	2470.7	2473.7	2509.3	2527.1	2503.4
27.5°	2334.3	2349.1	2340.2	2375.8	2393.6	2378.8	2358.0	2361.0	2396.6	2408.5	2390.7
30°	2197.9	2209.7	2200.8	2230.5	2242.4	2233.5	2215.7	2215.7	2248.3	2263.1	2245.3
32.5°	2034.7	2043.6	2034.7	2058.5	2082.2	2064.4	2046.6	2046.6	2082.2	2094.1	2073.3
35°	1844.9	1853.8	1847.9	1871.6	1889.4	1865.7	1850.8	1844.9	1892.4	1886.4	1874.6
37.5°	1634.3	1640.2	1622.4	1664.0	1672.9	1646.2	1634.3	1628.4	1669.9	1666.9	1655.1
40°	1397.0	1403.0	1391.1	1420.8	1423.7	1403.0	1394.1	1385.2	1426.7	1423.7	1414.8
42.5°	1144.9	1147.9	1133.0	1156.8	1162.7	1141.9	1139.0	1127.1	1165.7	1159.7	1156.8
45°	883.9	883.9	872.0	889.8	895.8	878.0	872.0	869.1	895.8	895.8	889.8
47.5°	640.7	631.8	616.9	643.6	646.6	634.7	631.8	622.9	649.6	649.6	643.6
50°	439.0	436.0	433.0	439.0	441.9	427.1	436.0	427.1	441.9	441.9	441.9
52.5°	293.6	290.7	284.7	290.7	290.7	281.8	281.8	278.8	290.7	290.7	284.7
55°	183.9	180.9	178.0	180.9	180.9	172.0	178.0	172.0	178.0	178.0	175.0
57.5°	112.7	106.8	106.8	103.8	103.8	97.9	100.8	100.8	100.8	100.8	100.8
60°	65.3	62.3	59.3	59.3	59.3	56.4	56.4	56.4	56.4	56.4	56.4
62.5°	41.5	41.5	38.6	38.6	38.6	38.6	38.6	35.6	38.6	38.6	38.6
65°	35.6	32.6	32.6	32.6	32.6	29.7	29.7	29.7	29.7	29.7	29.7
67.5°	29.7	26.7	26.7	26.7	26.7	23.7	23.7	23.7	23.7	23.7	23.7
70°	23.7	20.8	20.8	20.8	20.8	20.8	17.8	20.8	20.8	17.8	17.8
72.5°	17.8	17.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
75°	11.9	11.9	11.9	11.9	11.9	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	8.9	8.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
80°	5.9	5.9	5.9	5.9	5.9	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	0.0	3.0	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: P212860

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2610.2	2580.5	2565.7	2595.3	2607.2	2592.4	2580.5	2559.7	2580.5	2592.4	2607.2
5°	2645.7	2619.0	2607.2	2627.9	2645.7	2630.9	2622.0	2601.3	2622.0	2630.9	2645.7
7.5°	2678.4	2651.7	2636.8	2657.6	2678.4	2657.6	2648.7	2630.9	2648.7	2657.6	2678.4
10°	2690.2	2660.6	2648.7	2666.5	2687.3	2666.5	2654.6	2642.8	2654.6	2666.5	2687.3
12.5°	2711.0	2681.3	2666.5	2681.3	2702.1	2681.3	2669.5	2660.6	2669.5	2681.3	2702.1
15°	2740.7	2714.0	2696.2	2711.0	2737.7	2714.0	2699.1	2696.2	2699.1	2714.0	2737.7
17.5°	2740.7	2719.9	2702.1	2714.0	2740.7	2722.9	2702.1	2708.0	2702.1	2722.9	2740.7
20°	2702.1	2681.3	2666.5	2666.5	2705.1	2681.3	2663.5	2672.4	2663.5	2681.3	2705.1
22.5°	2633.9	2616.1	2601.3	2598.3	2636.8	2616.1	2592.4	2610.2	2592.4	2616.1	2636.8
25°	2544.9	2527.1	2515.2	2509.3	2547.9	2524.1	2503.4	2521.2	2503.4	2524.1	2547.9
27.5°	2429.2	2414.4	2402.5	2393.6	2429.2	2408.5	2387.7	2405.5	2387.7	2408.5	2429.2
30°	2280.9	2272.0	2260.2	2248.3	2283.9	2263.1	2242.4	2266.1	2242.4	2263.1	2283.9
32.5°	2108.9	2103.0	2088.1	2076.3	2111.9	2088.1	2073.3	2091.1	2073.3	2088.1	2111.9
35°	1910.2	1901.3	1892.4	1871.6	1910.2	1889.4	1889.4	1895.3	1889.4	1889.4	1910.2
37.5°	1687.7	1681.8	1669.9	1652.1	1684.7	1669.9	1664.0	1681.8	1664.0	1669.9	1684.7
40°	1438.5	1435.6	1426.7	1405.9	1441.5	1426.7	1417.8	1441.5	1417.8	1426.7	1441.5
42.5°	1177.5	1171.6	1162.7	1159.7	1177.5	1165.7	1174.6	1174.6	1174.6	1165.7	1177.5
45°	907.6	901.7	895.8	883.9	904.7	898.7	895.8	901.7	895.8	898.7	904.7
47.5°	658.5	652.5	646.6	637.7	658.5	649.6	649.6	655.5	649.6	649.6	658.5
50°	441.9	444.9	441.9	436.0	441.9	439.0	441.9	447.9	441.9	439.0	441.9
52.5°	293.6	293.6	287.7	284.7	290.7	287.7	296.6	290.7	296.6	287.7	290.7
55°	178.0	180.9	178.0	175.0	178.0	175.0	183.9	180.9	183.9	175.0	178.0
57.5°	100.8	100.8	103.8	100.8	106.8	103.8	103.8	103.8	103.8	103.8	106.8
60°	56.4	56.4	56.4	56.4	56.4	56.4	59.3	56.4	59.3	56.4	56.4
62.5°	38.6	38.6	38.6	35.6	38.6	35.6	38.6	38.6	38.6	35.6	38.6
65°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
67.5°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
70°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
72.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
75°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	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: P212860

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2595.3	2565.7	2580.5	2610.2	2568.6	2604.2	2583.5	2547.9	2547.9	2574.6	2580.5
5°	2627.9	2607.2	2619.0	2645.7	2604.2	2639.8	2616.1	2580.5	2577.5	2604.2	2613.1
7.5°	2657.6	2636.8	2651.7	2678.4	2633.9	2669.5	2648.7	2610.2	2604.2	2630.9	2639.8
10°	2666.5	2648.7	2660.6	2690.2	2645.7	2678.4	2663.5	2622.0	2619.0	2639.8	2651.7
12.5°	2681.3	2666.5	2681.3	2711.0	2666.5	2699.1	2684.3	2642.8	2636.8	2663.5	2672.4
15°	2711.0	2696.2	2714.0	2740.7	2699.1	2725.8	2711.0	2669.5	2666.5	2687.3	2699.1
17.5°	2714.0	2702.1	2719.9	2740.7	2699.1	2725.8	2714.0	2669.5	2666.5	2690.2	2699.1
20°	2666.5	2666.5	2681.3	2702.1	2657.6	2684.3	2672.4	2627.9	2627.9	2648.7	2657.6
22.5°	2598.3	2601.3	2616.1	2633.9	2589.4	2616.1	2604.2	2559.7	2562.7	2580.5	2592.4
25°	2509.3	2515.2	2527.1	2544.9	2503.4	2527.1	2509.3	2473.7	2470.7	2491.5	2506.3
27.5°	2393.6	2402.5	2414.4	2429.2	2390.7	2408.5	2396.6	2361.0	2358.0	2378.8	2393.6
30°	2248.3	2260.2	2272.0	2280.9	2245.3	2263.1	2248.3	2215.7	2215.7	2233.5	2242.4
32.5°	2076.3	2088.1	2103.0	2108.9	2073.3	2094.1	2082.2	2046.6	2046.6	2064.4	2082.2
35°	1871.6	1892.4	1901.3	1910.2	1874.6	1886.4	1892.4	1844.9	1850.8	1865.7	1889.4
37.5°	1652.1	1669.9	1681.8	1687.7	1655.1	1666.9	1669.9	1628.4	1634.3	1646.2	1672.9
40°	1405.9	1426.7	1435.6	1438.5	1414.8	1423.7	1426.7	1385.2	1394.1	1403.0	1423.7
42.5°	1159.7	1162.7	1171.6	1177.5	1156.8	1159.7	1165.7	1127.1	1139.0	1141.9	1162.7
45°	883.9	895.8	901.7	907.6	889.8	895.8	895.8	869.1	872.0	878.0	895.8
47.5°	637.7	646.6	652.5	658.5	643.6	649.6	649.6	622.9	631.8	634.7	646.6
50°	436.0	441.9	444.9	441.9	441.9	441.9	441.9	427.1	436.0	427.1	441.9
52.5°	284.7	287.7	293.6	293.6	284.7	290.7	290.7	278.8	281.8	281.8	290.7
55°	175.0	178.0	180.9	178.0	175.0	178.0	178.0	172.0	178.0	172.0	180.9
57.5°	100.8	103.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	97.9	103.8
60°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	59.3
62.5°	35.6	38.6	38.6	38.6	38.6	38.6	38.6	35.6	38.6	38.6	38.6
65°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	32.6
67.5°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	26.7
70°	17.8	17.8	17.8	17.8	17.8	17.8	20.8	20.8	17.8	20.8	20.8
72.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
75°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.9
77.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0
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: P212860

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2577.5	2553.8	2553.8	2527.1	2550.8	2553.8	2524.1	2515.2	2547.9	2512.3	2530.1
5°	2601.3	2577.5	2577.5	2550.8	2568.6	2568.6	2539.0	2524.1	2556.8	2521.2	2536.0
7.5°	2630.9	2604.2	2598.3	2571.6	2586.4	2589.4	2553.8	2533.0	2565.7	2524.1	2539.0
10°	2639.8	2610.2	2607.2	2580.5	2592.4	2595.3	2553.8	2536.0	2562.7	2518.2	2527.1
12.5°	2660.6	2627.9	2627.9	2601.3	2610.2	2610.2	2568.6	2544.9	2568.6	2524.1	2530.1
15°	2684.3	2648.7	2648.7	2622.0	2627.9	2630.9	2580.5	2556.8	2577.5	2530.1	2536.0
17.5°	2684.3	2645.7	2645.7	2622.0	2625.0	2622.0	2574.6	2547.9	2562.7	2512.3	2515.2
20°	2642.8	2604.2	2610.2	2583.5	2586.4	2583.5	2533.0	2506.3	2521.2	2467.8	2473.7
22.5°	2574.6	2539.0	2544.9	2521.2	2521.2	2518.2	2470.7	2444.1	2458.9	2405.5	2408.5
25°	2488.5	2452.9	2458.9	2435.2	2438.1	2438.1	2390.7	2361.0	2375.8	2328.4	2328.4
27.5°	2375.8	2340.2	2349.1	2334.3	2325.4	2328.4	2286.8	2257.2	2272.0	2227.5	2227.5
30°	2230.5	2200.8	2209.7	2197.9	2189.0	2189.0	2153.4	2123.7	2138.5	2100.0	2097.0
32.5°	2058.5	2034.7	2043.6	2034.7	2025.8	2034.7	1996.2	1966.5	1981.3	1951.7	1954.6
35°	1871.6	1847.9	1853.8	1844.9	1839.0	1844.9	1806.3	1785.6	1800.4	1770.8	1782.6
37.5°	1664.0	1622.4	1640.2	1634.3	1628.4	1631.3	1595.8	1580.9	1598.7	1580.9	1589.8
40°	1420.8	1391.1	1403.0	1397.0	1391.1	1405.9	1379.2	1358.5	1373.3	1361.4	1379.2
42.5°	1156.8	1133.0	1147.9	1144.9	1136.0	1153.8	1133.0	1118.2	1141.9	1136.0	1150.8
45°	889.8	872.0	883.9	883.9	880.9	895.8	875.0	878.0	901.7	910.6	928.4
47.5°	643.6	616.9	631.8	640.7	640.7	655.5	643.6	655.5	682.2	700.0	714.8
50°	439.0	433.0	436.0	439.0	444.9	456.8	453.8	471.6	489.4	519.1	536.9
52.5°	290.7	284.7	290.7	293.6	299.6	311.4	311.4	332.2	353.0	379.7	400.4
55°	180.9	178.0	180.9	183.9	189.8	201.7	204.7	225.4	246.2	272.9	290.7
57.5°	103.8	106.8	106.8	112.7	115.7	124.6	133.5	145.3	169.1	195.8	213.6
60°	59.3	59.3	62.3	65.3	68.2	77.1	83.1	94.9	112.7	139.4	151.3
62.5°	38.6	38.6	41.5	41.5	44.5	50.4	56.4	68.2	83.1	103.8	115.7
65°	32.6	32.6	32.6	35.6	35.6	41.5	47.5	56.4	68.2	83.1	94.9
67.5°	26.7	26.7	26.7	29.7	29.7	32.6	38.6	44.5	53.4	65.3	74.2
70°	20.8	20.8	20.8	23.7	23.7	26.7	29.7	32.6	41.5	50.4	56.4
72.5°	14.8	14.8	17.8	17.8	17.8	20.8	23.7	26.7	32.6	38.6	41.5
75°	11.9	11.9	11.9	11.9	14.8	14.8	17.8	20.8	23.7	26.7	29.7
77.5°	5.9	5.9	8.9	8.9	8.9	11.9	11.9	14.8	17.8	20.8	20.8
80°	5.9	5.9	5.9	5.9	5.9	8.9	8.9	8.9	11.9	14.8	14.8
82.5°	3.0	3.0	3.0	3.0	3.0	5.9	5.9	5.9	8.9	8.9	8.9
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9	5.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
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: P212860

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
2.5°	2509.3	2518.2	2518.2	2509.3	2485.6	2506.3	2527.1	2506.3	2533.0	2485.6	2485.6
5°	2509.3	2515.2	2512.3	2500.4	2476.7	2494.5	2509.3	2488.5	2509.3	2464.8	2461.8
7.5°	2515.2	2509.3	2503.4	2488.5	2458.9	2470.7	2485.6	2461.8	2482.6	2435.2	2429.2
10°	2503.4	2494.5	2482.6	2461.8	2429.2	2438.1	2447.0	2426.3	2441.1	2393.6	2390.7
12.5°	2503.4	2488.5	2470.7	2447.0	2411.4	2417.4	2426.3	2399.6	2411.4	2366.9	2361.0
15°	2509.3	2482.6	2461.8	2435.2	2396.6	2399.6	2405.5	2375.8	2387.7	2340.2	2337.3
17.5°	2488.5	2458.9	2438.1	2405.5	2364.0	2366.9	2366.9	2337.3	2346.2	2298.7	2295.7
20°	2444.1	2408.5	2384.7	2355.1	2310.6	2310.6	2310.6	2280.9	2286.8	2245.3	2239.4
22.5°	2381.8	2343.2	2319.5	2289.8	2248.3	2245.3	2242.4	2218.6	2218.6	2180.1	2171.2
25°	2298.7	2263.1	2239.4	2212.7	2171.2	2165.2	2165.2	2144.5	2141.5	2105.9	2100.0
27.5°	2203.8	2162.3	2141.5	2117.8	2079.2	2073.3	2070.3	2058.5	2052.5	2014.0	2011.0
30°	2076.3	2040.7	2022.9	2002.1	1966.5	1960.6	1957.6	1945.7	1942.8	1904.2	1904.2
32.5°	1939.8	1895.3	1883.5	1862.7	1836.0	1833.0	1836.0	1821.2	1809.3	1782.6	1776.7
35°	1776.7	1732.2	1723.3	1714.4	1693.6	1687.7	1684.7	1681.8	1666.9	1649.1	1640.2
37.5°	1586.9	1548.3	1548.3	1545.3	1530.5	1530.5	1530.5	1524.6	1509.7	1503.8	1486.0
40°	1382.2	1352.5	1355.5	1358.5	1352.5	1355.5	1358.5	1352.5	1340.7	1334.7	1319.9
42.5°	1162.7	1147.9	1159.7	1168.6	1168.6	1177.5	1183.5	1183.5	1168.6	1165.7	1153.8
45°	943.2	940.2	964.0	981.8	987.7	1002.5	1011.4	1005.5	1005.5	1005.5	993.6
47.5°	738.6	750.4	771.2	806.8	818.6	836.4	842.4	851.3	848.3	851.3	842.4
50°	560.6	587.3	614.0	649.6	667.4	688.1	697.0	708.9	708.9	711.9	705.9
52.5°	424.1	444.9	489.4	513.1	533.9	554.7	566.5	578.4	581.4	581.4	575.4
55°	314.4	344.1	373.7	406.4	424.1	444.9	453.8	465.7	465.7	471.6	465.7
57.5°	228.4	258.0	290.7	314.4	335.2	350.0	358.9	367.8	373.7	373.7	370.8
60°	169.1	192.8	219.5	243.2	261.0	275.8	281.8	290.7	293.6	293.6	287.7
62.5°	127.5	151.3	175.0	195.8	207.6	219.5	225.4	231.4	231.4	231.4	228.4
65°	103.8	121.6	139.4	157.2	169.1	178.0	180.9	186.9	183.9	186.9	183.9
67.5°	83.1	94.9	109.7	121.6	130.5	136.4	139.4	145.3	142.4	145.3	142.4
70°	62.3	74.2	83.1	91.9	97.9	103.8	106.8	109.7	106.8	109.7	106.8
72.5°	47.5	53.4	62.3	71.2	74.2	77.1	80.1	80.1	80.1	83.1	80.1
75°	32.6	38.6	44.5	47.5	53.4	56.4	56.4	59.3	59.3	59.3	59.3
77.5°	23.7	26.7	29.7	32.6	35.6	38.6	38.6	41.5	41.5	41.5	41.5
80°	14.8	17.8	17.8	20.8	23.7	23.7	26.7	26.7	26.7	26.7	26.7
82.5°	8.9	11.9	11.9	14.8	14.8	14.8	17.8	17.8	17.8	17.8	17.8
85°	5.9	5.9	5.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9	5.9	3.0	3.0
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: P212860

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2547.9	2547.9	2547.9	2547.9
2.5°	2509.3	2494.5	2518.2	2482.6
5°	2482.6	2467.8	2497.4	2452.9
7.5°	2450.0	2435.2	2461.8	2417.4
10°	2408.5	2393.6	2417.4	2369.9
12.5°	2372.9	2358.0	2384.7	2340.2
15°	2346.2	2331.3	2355.1	2313.5
17.5°	2304.6	2286.8	2313.5	2269.1
20°	2245.3	2233.5	2254.2	2209.7
22.5°	2177.1	2165.2	2189.0	2144.5
25°	2105.9	2091.1	2114.8	2070.3
27.5°	2014.0	2002.1	2025.8	1981.3
30°	1904.2	1892.4	1916.1	1874.6
32.5°	1779.6	1767.8	1785.6	1750.0
35°	1637.3	1628.4	1646.2	1607.6
37.5°	1483.0	1474.1	1491.9	1453.4
40°	1316.9	1308.0	1322.9	1305.1
42.5°	1153.8	1144.9	1159.7	1144.9
45°	993.6	987.7	1002.5	987.7
47.5°	845.3	839.4	854.2	839.4
50°	703.0	705.9	711.9	705.9
52.5°	575.4	575.4	584.3	575.4
55°	465.7	468.6	471.6	465.7
57.5°	370.8	370.8	373.7	370.8
60°	287.7	290.7	290.7	287.7
62.5°	228.4	228.4	228.4	228.4
65°	180.9	180.9	183.9	180.9
67.5°	142.4	139.4	142.4	139.4
70°	106.8	106.8	106.8	106.8
72.5°	83.1	83.1	80.1	80.1
75°	59.3	62.3	59.3	59.3
77.5°	41.5	41.5	41.5	41.5
80°	26.7	26.7	26.7	26.7
82.5°	17.8	17.8	17.8	17.8
85°	11.9	8.9	8.9	8.9
87.5°	5.9	3.0	3.0	3.0
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)