

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: P212825

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212825
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 EU6B30508040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4134.9 lumens
Efficiency: N/A
Efficacy: 96.1 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

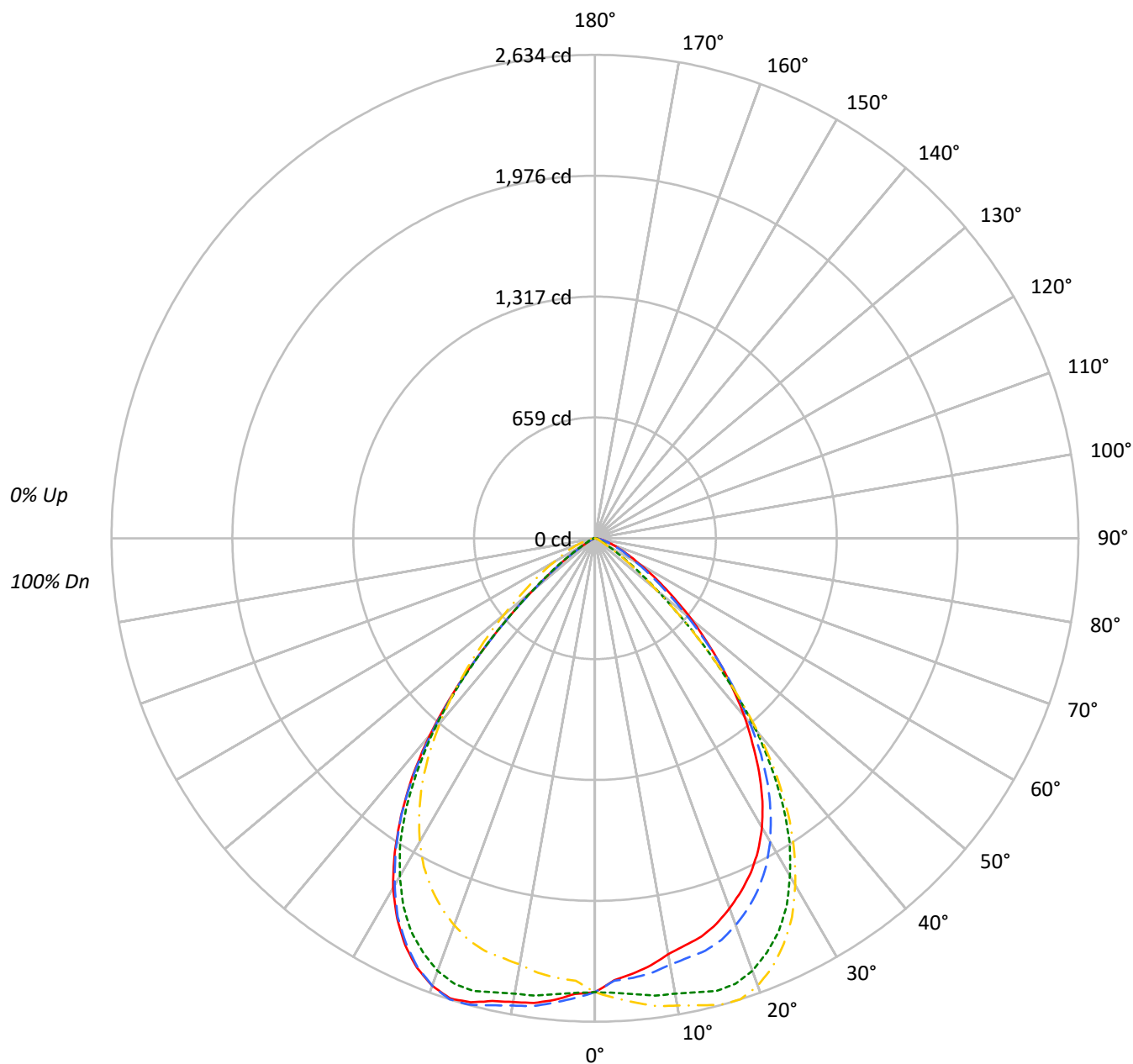
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	96		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	86	84
3	98	91	84	80		96	89	84	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71		90	82	75	70		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	57		79	69	62	57		67	61	57		66	60	56		64	60	56
7	76	64	57	52		74	64	57	52		62	56	52		61	56	51		60	55	51
8	71	60	53	48		70	59	52	48		58	52	47		57	51	47		56	51	47
9	67	55	48	44		66	55	48	44		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	135581	135581	135581	135581
5°	131025	137205	138950	137205
10°	128054	140233	142800	140233
15°	127452	144938	148531	144938
20°	125130	146295	151336	146295
25°	121555	143149	148025	143149
30°	115182	134502	139237	134502
35°	104433	119846	123125	119846
40°	90656	97662	100130	97662
45°	74326	67410	67852	67410
50°	58437	37815	37073	37815
55°	43200	18714	16783	18714
60°	30623	8212	5997	8212
65°	22778	5228	3736	5228
70°	16605	4151	2773	4151
75°	12200	3050	1822	3050
80°	8177	2715	916	2715
85°	5409	1824	1824	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	5.7
10°-20°	701.2	17.0
20°-30°	1046.4	25.3
30°-40°	1075.1	26.0
40°-50°	696.2	16.8
50°-60°	258.9	6.3
60°-70°	84.9	2.1
70°-80°	30.0	0.7
80°-90°	5.4	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°	1984.4	48.0
0°-40°	3059.5	74.0
0°-60°	4014.6	97.1
0°-90°	4134.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4134.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2473	2473	2473	2473	2473	
5°	2381	2493	2525	2493	2381	225
15°	2246	2554	2617	2554	2246	632
25°	2010	2367	2447	2367	2010	921
35°	1560	1791	1840	1791	1560	969
45°	959	870	875	870	959	741
55°	452	196	176	196	452	412
65°	176	40	29	40	176	179
75°	58	14	9	14	58	63
85°	9	3	3	3	9	11
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°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2409.8	2444.4	2421.3	2435.7	2412.7	2412.7	2458.8	2432.8	2453.0	2432.8	2412.7
5°	2381.0	2424.2	2395.4	2409.8	2389.7	2392.5	2435.7	2415.6	2435.7	2421.3	2404.1
7.5°	2346.5	2389.7	2363.7	2378.1	2358.0	2363.7	2409.8	2389.7	2412.7	2398.3	2386.8
10°	2300.4	2346.5	2323.4	2337.8	2320.6	2323.4	2369.5	2355.1	2375.3	2366.6	2358.0
12.5°	2271.6	2314.8	2288.9	2303.3	2291.8	2297.5	2340.7	2329.2	2355.1	2346.5	2340.7
15°	2245.7	2286.0	2263.0	2277.4	2268.7	2271.6	2317.7	2306.2	2335.0	2329.2	2326.3
17.5°	2202.5	2245.7	2219.8	2237.1	2228.4	2231.3	2277.4	2268.7	2297.5	2297.5	2294.7
20°	2144.9	2188.1	2168.0	2179.5	2173.7	2179.5	2219.8	2214.0	2242.8	2242.8	2242.8
22.5°	2081.6	2124.8	2101.8	2113.3	2107.5	2116.1	2153.6	2153.6	2176.6	2179.5	2182.4
25°	2009.6	2052.8	2029.8	2044.2	2038.4	2044.2	2078.7	2081.6	2101.8	2101.8	2107.5
27.5°	1923.2	1966.4	1943.4	1954.9	1952.0	1954.9	1992.3	1998.1	2009.6	2012.5	2018.3
30°	1819.6	1859.9	1836.9	1848.4	1848.4	1848.4	1885.8	1888.7	1900.2	1903.1	1908.8
32.5°	1698.7	1733.2	1715.9	1727.5	1724.6	1730.3	1756.3	1767.8	1782.2	1779.3	1782.2
35°	1560.5	1597.9	1580.6	1589.3	1592.1	1600.8	1618.1	1632.5	1635.3	1638.2	1644.0
37.5°	1410.8	1448.2	1430.9	1439.6	1442.4	1459.7	1465.5	1479.9	1485.6	1485.6	1485.6
40°	1266.8	1284.1	1269.7	1278.3	1281.2	1295.6	1301.4	1312.9	1318.6	1315.8	1312.9
42.5°	1111.3	1125.7	1111.3	1120.0	1120.0	1131.5	1134.4	1148.8	1148.8	1143.0	1134.4
45°	958.7	973.1	958.7	964.5	964.5	976.0	976.0	976.0	981.8	973.1	958.7
47.5°	814.8	829.2	814.8	820.5	817.7	826.3	823.4	826.3	817.7	811.9	794.6
50°	685.2	691.0	685.2	682.3	685.2	691.0	688.1	688.1	676.6	668.0	647.8
52.5°	558.5	567.2	558.5	558.5	558.5	564.3	564.3	561.4	549.9	538.4	518.2
55°	452.0	457.8	454.9	452.0	452.0	457.8	452.0	452.0	440.5	431.9	411.7
57.5°	359.9	362.8	359.9	359.9	359.9	362.8	362.8	357.0	348.4	339.7	325.3
60°	279.3	282.2	282.2	279.3	279.3	285.0	285.0	282.2	273.5	267.8	253.4
62.5°	221.7	221.7	221.7	221.7	221.7	224.6	224.6	224.6	218.8	213.1	201.5
65°	175.6	178.5	175.6	175.6	178.5	181.4	178.5	181.4	175.6	172.7	164.1
67.5°	135.3	138.2	135.3	138.2	138.2	141.1	138.2	141.1	135.3	132.4	126.7
70°	103.6	103.6	103.6	103.6	103.6	106.5	103.6	106.5	103.6	100.8	95.0
72.5°	77.7	77.7	80.6	80.6	77.7	80.6	77.7	77.7	77.7	74.9	72.0
75°	57.6	57.6	60.5	57.6	57.6	57.6	57.6	57.6	54.7	54.7	51.8
77.5°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	37.4	37.4	34.5
80°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	23.0	23.0
82.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	14.4	14.4
85°	8.6	8.6	8.6	11.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	2.9	2.9	2.9	5.8	2.9	2.9	5.8	5.8	2.9	2.9	2.9
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°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2435.7	2444.4	2444.4	2435.7	2455.9	2438.6	2473.2	2441.5	2450.1	2478.9	2476.0
5°	2427.1	2438.6	2441.5	2435.7	2461.6	2447.2	2481.8	2450.1	2464.5	2493.3	2493.3
7.5°	2415.6	2430.0	2435.7	2441.5	2464.5	2450.1	2490.4	2458.8	2478.9	2513.5	2510.6
10°	2389.7	2409.8	2421.3	2430.0	2453.0	2444.4	2487.6	2461.6	2478.9	2519.2	2516.3
12.5°	2375.3	2398.3	2415.6	2430.0	2455.9	2450.1	2493.3	2470.3	2493.3	2533.6	2533.6
15°	2363.7	2389.7	2409.8	2435.7	2461.6	2455.9	2501.9	2481.8	2504.8	2553.8	2550.9
17.5°	2335.0	2366.6	2386.8	2415.6	2441.5	2438.6	2487.6	2473.2	2499.1	2545.1	2548.0
20°	2286.0	2314.8	2337.8	2372.4	2401.2	2395.4	2447.2	2432.8	2458.8	2507.7	2510.6
22.5°	2222.7	2251.5	2274.5	2311.9	2337.8	2335.0	2386.8	2372.4	2398.3	2444.4	2447.2
25°	2147.8	2173.7	2196.8	2231.3	2260.1	2260.1	2306.2	2291.8	2320.6	2366.6	2366.6
27.5°	2055.7	2078.7	2098.9	2139.2	2162.2	2162.2	2205.4	2191.0	2219.8	2260.1	2257.2
30°	1943.4	1963.6	1980.8	2015.4	2035.5	2038.4	2075.8	2061.4	2090.2	2124.8	2124.8
32.5°	1808.1	1828.2	1839.8	1882.9	1897.3	1894.5	1923.2	1908.8	1937.6	1975.1	1966.4
35°	1664.1	1672.8	1681.4	1724.6	1730.3	1718.8	1747.6	1733.2	1753.4	1790.8	1785.0
37.5°	1500.0	1502.9	1502.9	1540.3	1543.2	1534.6	1551.8	1534.6	1549.0	1583.5	1580.6
40°	1318.6	1315.8	1312.9	1341.7	1338.8	1321.5	1333.0	1318.6	1338.8	1364.7	1350.3
42.5°	1134.4	1125.7	1114.2	1128.6	1117.1	1102.7	1108.5	1085.4	1099.8	1120.0	1102.7
45°	953.0	935.7	912.7	915.6	901.2	883.9	875.2	852.2	849.3	869.5	855.1
47.5°	783.1	748.6	728.4	716.9	693.9	679.5	662.2	636.3	624.8	636.3	621.9
50°	630.5	596.0	570.1	544.2	521.1	503.8	475.1	457.8	440.5	443.4	431.9
52.5°	498.1	475.1	431.9	411.7	388.7	368.5	342.6	322.5	302.3	302.3	290.8
55°	394.4	362.8	334.0	305.2	282.2	264.9	239.0	218.8	198.7	195.8	184.3
57.5°	305.2	282.2	250.5	221.7	207.3	190.0	164.1	141.1	129.6	120.9	112.3
60°	236.1	213.1	187.1	164.1	146.8	135.3	109.4	92.1	80.6	74.9	66.2
62.5°	190.0	169.9	146.8	123.8	112.3	100.8	80.6	66.2	54.7	48.9	43.2
65°	152.6	135.3	118.0	100.8	92.1	80.6	66.2	54.7	46.1	40.3	34.5
67.5°	118.0	106.5	92.1	80.6	72.0	63.3	51.8	43.2	37.4	31.7	28.8
70°	89.3	80.6	72.0	60.5	54.7	48.9	40.3	31.7	28.8	25.9	23.0
72.5°	69.1	60.5	51.8	46.1	40.3	37.4	31.7	25.9	23.0	20.2	17.3
75°	46.1	43.2	37.4	31.7	28.8	25.9	23.0	20.2	17.3	14.4	14.4
77.5°	31.7	28.8	25.9	23.0	20.2	20.2	17.3	14.4	11.5	11.5	8.6
80°	20.2	17.3	17.3	14.4	14.4	14.4	11.5	8.6	8.6	8.6	5.8
82.5°	14.4	11.5	11.5	8.6	8.6	8.6	8.6	5.8	5.8	5.8	2.9
85°	8.6	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2453.0	2478.9	2478.9	2501.9	2504.8	2499.1	2473.2	2473.2	2507.7	2527.9	2493.3
5°	2476.0	2501.9	2501.9	2525.0	2536.5	2527.9	2501.9	2504.8	2539.4	2562.4	2527.9
7.5°	2496.2	2522.1	2527.9	2553.8	2562.4	2553.8	2527.9	2533.6	2571.0	2591.2	2556.6
10°	2504.8	2530.7	2533.6	2562.4	2573.9	2562.4	2542.3	2545.1	2585.4	2599.8	2568.2
12.5°	2525.0	2550.9	2550.9	2582.6	2594.1	2585.4	2559.5	2565.3	2605.6	2620.0	2588.3
15°	2545.1	2571.0	2571.0	2605.6	2620.0	2608.5	2588.3	2591.2	2631.5	2645.9	2620.0
17.5°	2545.1	2568.2	2568.2	2605.6	2620.0	2611.4	2588.3	2591.2	2634.4	2645.9	2620.0
20°	2507.7	2533.6	2527.9	2565.3	2579.7	2571.0	2550.9	2550.9	2594.1	2605.6	2579.7
22.5°	2447.2	2470.3	2464.5	2499.1	2516.3	2504.8	2487.6	2484.7	2527.9	2539.4	2513.5
25°	2363.7	2386.8	2381.0	2415.6	2432.8	2418.5	2398.3	2401.2	2435.7	2453.0	2430.0
27.5°	2265.9	2280.3	2271.6	2306.2	2323.4	2309.0	2288.9	2291.8	2326.3	2337.8	2320.6
30°	2133.4	2144.9	2136.3	2165.1	2176.6	2168.0	2150.7	2150.7	2182.4	2196.8	2179.5
32.5°	1975.1	1983.7	1975.1	1998.1	2021.1	2003.9	1986.6	1986.6	2021.1	2032.7	2012.5
35°	1790.8	1799.4	1793.7	1816.7	1834.0	1811.0	1796.6	1790.8	1836.9	1831.1	1819.6
37.5°	1586.4	1592.1	1574.9	1615.2	1623.8	1597.9	1586.4	1580.6	1620.9	1618.1	1606.5
40°	1356.1	1361.8	1350.3	1379.1	1382.0	1361.8	1353.2	1344.5	1384.9	1382.0	1373.3
42.5°	1111.3	1114.2	1099.8	1122.9	1128.6	1108.5	1105.6	1094.1	1131.5	1125.7	1122.9
45°	858.0	858.0	846.5	863.7	869.5	852.2	846.5	843.6	869.5	869.5	863.7
47.5°	621.9	613.3	598.9	624.8	627.6	616.1	613.3	604.6	630.5	630.5	624.8
50°	426.1	423.2	420.4	426.1	429.0	414.6	423.2	414.6	429.0	429.0	429.0
52.5°	285.0	282.2	276.4	282.2	282.2	273.5	273.5	270.6	282.2	282.2	276.4
55°	178.5	175.6	172.7	175.6	175.6	167.0	172.7	167.0	172.7	172.7	169.9
57.5°	109.4	103.6	103.6	100.8	100.8	95.0	97.9	97.9	97.9	97.9	97.9
60°	63.3	60.5	57.6	57.6	57.6	54.7	54.7	54.7	54.7	54.7	54.7
62.5°	40.3	40.3	37.4	37.4	37.4	37.4	37.4	34.5	37.4	37.4	37.4
65°	34.5	31.7	31.7	31.7	31.7	28.8	28.8	28.8	28.8	28.8	28.8
67.5°	28.8	25.9	25.9	25.9	25.9	23.0	23.0	23.0	23.0	23.0	23.0
70°	23.0	20.2	20.2	20.2	20.2	20.2	17.3	20.2	20.2	17.3	17.3
72.5°	17.3	17.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	11.5	11.5	11.5	11.5	11.5	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	0.0	2.9	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: P212825

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2533.6	2504.8	2490.4	2519.2	2530.7	2516.3	2504.8	2484.7	2504.8	2516.3	2530.7
5°	2568.2	2542.3	2530.7	2550.9	2568.2	2553.8	2545.1	2525.0	2545.1	2553.8	2568.2
7.5°	2599.8	2573.9	2559.5	2579.7	2599.8	2579.7	2571.0	2553.8	2571.0	2579.7	2599.8
10°	2611.4	2582.6	2571.0	2588.3	2608.5	2588.3	2576.8	2565.3	2576.8	2588.3	2608.5
12.5°	2631.5	2602.7	2588.3	2602.7	2622.9	2602.7	2591.2	2582.6	2591.2	2602.7	2622.9
15°	2660.3	2634.4	2617.1	2631.5	2657.4	2634.4	2620.0	2617.1	2620.0	2634.4	2657.4
17.5°	2660.3	2640.1	2622.9	2634.4	2660.3	2643.0	2622.9	2628.6	2622.9	2643.0	2660.3
20°	2622.9	2602.7	2588.3	2588.3	2625.7	2602.7	2585.4	2594.1	2585.4	2602.7	2625.7
22.5°	2556.6	2539.4	2525.0	2522.1	2559.5	2539.4	2516.3	2533.6	2516.3	2539.4	2559.5
25°	2470.3	2453.0	2441.5	2435.7	2473.2	2450.1	2430.0	2447.2	2430.0	2450.1	2473.2
27.5°	2358.0	2343.6	2332.1	2323.4	2358.0	2337.8	2317.7	2335.0	2317.7	2337.8	2358.0
30°	2214.0	2205.4	2193.9	2182.4	2216.9	2196.8	2176.6	2199.6	2176.6	2196.8	2216.9
32.5°	2047.0	2041.3	2026.9	2015.4	2049.9	2026.9	2012.5	2029.8	2012.5	2026.9	2049.9
35°	1854.1	1845.5	1836.9	1816.7	1854.1	1834.0	1834.0	1839.8	1834.0	1834.0	1854.1
37.5°	1638.2	1632.5	1620.9	1603.7	1635.3	1620.9	1615.2	1632.5	1615.2	1620.9	1635.3
40°	1396.4	1393.5	1384.9	1364.7	1399.2	1384.9	1376.2	1399.2	1376.2	1384.9	1399.2
42.5°	1143.0	1137.2	1128.6	1125.7	1143.0	1131.5	1140.1	1140.1	1140.1	1131.5	1143.0
45°	881.0	875.2	869.5	858.0	878.1	872.4	869.5	875.2	869.5	872.4	878.1
47.5°	639.2	633.4	627.6	619.0	639.2	630.5	630.5	636.3	630.5	630.5	639.2
50°	429.0	431.9	429.0	423.2	429.0	426.1	429.0	434.7	429.0	426.1	429.0
52.5°	285.0	285.0	279.3	276.4	282.2	279.3	287.9	282.2	287.9	279.3	282.2
55°	172.7	175.6	172.7	169.9	172.7	169.9	178.5	175.6	178.5	169.9	172.7
57.5°	97.9	97.9	100.8	97.9	103.6	100.8	100.8	100.8	100.8	100.8	103.6
60°	54.7	54.7	54.7	54.7	54.7	54.7	57.6	54.7	57.6	54.7	54.7
62.5°	37.4	37.4	37.4	34.5	37.4	34.5	37.4	37.4	37.4	34.5	37.4
65°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
67.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
70°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
72.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P212825

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2519.2	2490.4	2504.8	2533.6	2493.3	2527.9	2507.7	2473.2	2473.2	2499.1	2504.8
5°	2550.9	2530.7	2542.3	2568.2	2527.9	2562.4	2539.4	2504.8	2501.9	2527.9	2536.5
7.5°	2579.7	2559.5	2573.9	2599.8	2556.6	2591.2	2571.0	2533.6	2527.9	2553.8	2562.4
10°	2588.3	2571.0	2582.6	2611.4	2568.2	2599.8	2585.4	2545.1	2542.3	2562.4	2573.9
12.5°	2602.7	2588.3	2602.7	2631.5	2588.3	2620.0	2605.6	2565.3	2559.5	2585.4	2594.1
15°	2631.5	2617.1	2634.4	2660.3	2620.0	2645.9	2631.5	2591.2	2588.3	2608.5	2620.0
17.5°	2634.4	2622.9	2640.1	2660.3	2620.0	2645.9	2634.4	2591.2	2588.3	2611.4	2620.0
20°	2588.3	2588.3	2602.7	2622.9	2579.7	2605.6	2594.1	2550.9	2550.9	2571.0	2579.7
22.5°	2522.1	2525.0	2539.4	2556.6	2513.5	2539.4	2527.9	2484.7	2487.6	2504.8	2516.3
25°	2435.7	2441.5	2453.0	2470.3	2430.0	2453.0	2435.7	2401.2	2398.3	2418.5	2432.8
27.5°	2323.4	2332.1	2343.6	2358.0	2320.6	2337.8	2326.3	2291.8	2288.9	2309.0	2323.4
30°	2182.4	2193.9	2205.4	2214.0	2179.5	2196.8	2182.4	2150.7	2150.7	2168.0	2176.6
32.5°	2015.4	2026.9	2041.3	2047.0	2012.5	2032.7	2021.1	1986.6	1986.6	2003.9	2021.1
35°	1816.7	1836.9	1845.5	1854.1	1819.6	1831.1	1836.9	1790.8	1796.6	1811.0	1834.0
37.5°	1603.7	1620.9	1632.5	1638.2	1606.5	1618.1	1620.9	1580.6	1586.4	1597.9	1623.8
40°	1364.7	1384.9	1393.5	1396.4	1373.3	1382.0	1384.9	1344.5	1353.2	1361.8	1382.0
42.5°	1125.7	1128.6	1137.2	1143.0	1122.9	1125.7	1131.5	1094.1	1105.6	1108.5	1128.6
45°	858.0	869.5	875.2	881.0	863.7	869.5	869.5	843.6	846.5	852.2	869.5
47.5°	619.0	627.6	633.4	639.2	624.8	630.5	630.5	604.6	613.3	616.1	627.6
50°	423.2	429.0	431.9	429.0	429.0	429.0	429.0	414.6	423.2	414.6	429.0
52.5°	276.4	279.3	285.0	285.0	276.4	282.2	282.2	270.6	273.5	273.5	282.2
55°	169.9	172.7	175.6	172.7	169.9	172.7	172.7	167.0	172.7	167.0	175.6
57.5°	97.9	100.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	95.0	100.8
60°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	57.6
62.5°	34.5	37.4	37.4	37.4	37.4	37.4	37.4	34.5	37.4	37.4	37.4
65°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	31.7
67.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	25.9
70°	17.3	17.3	17.3	17.3	17.3	17.3	20.2	20.2	17.3	20.2	20.2
72.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0	2.9
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: P212825

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2501.9	2478.9	2478.9	2453.0	2476.0	2478.9	2450.1	2441.5	2473.2	2438.6	2455.9
5°	2525.0	2501.9	2501.9	2476.0	2493.3	2493.3	2464.5	2450.1	2481.8	2447.2	2461.6
7.5°	2553.8	2527.9	2522.1	2496.2	2510.6	2513.5	2478.9	2458.8	2490.4	2450.1	2464.5
10°	2562.4	2533.6	2530.7	2504.8	2516.3	2519.2	2478.9	2461.6	2487.6	2444.4	2453.0
12.5°	2582.6	2550.9	2550.9	2525.0	2533.6	2533.6	2493.3	2470.3	2493.3	2450.1	2455.9
15°	2605.6	2571.0	2571.0	2545.1	2550.9	2553.8	2504.8	2481.8	2501.9	2455.9	2461.6
17.5°	2605.6	2568.2	2568.2	2545.1	2548.0	2545.1	2499.1	2473.2	2487.6	2438.6	2441.5
20°	2565.3	2527.9	2533.6	2507.7	2510.6	2507.7	2458.8	2432.8	2447.2	2395.4	2401.2
22.5°	2499.1	2464.5	2470.3	2447.2	2447.2	2444.4	2398.3	2372.4	2386.8	2335.0	2337.8
25°	2415.6	2381.0	2386.8	2363.7	2366.6	2366.6	2320.6	2291.8	2306.2	2260.1	2260.1
27.5°	2306.2	2271.6	2280.3	2265.9	2257.2	2260.1	2219.8	2191.0	2205.4	2162.2	2162.2
30°	2165.1	2136.3	2144.9	2133.4	2124.8	2124.8	2090.2	2061.4	2075.8	2038.4	2035.5
32.5°	1998.1	1975.1	1983.7	1975.1	1966.4	1975.1	1937.6	1908.8	1923.2	1894.5	1897.3
35°	1816.7	1793.7	1799.4	1790.8	1785.0	1790.8	1753.4	1733.2	1747.6	1718.8	1730.3
37.5°	1615.2	1574.9	1592.1	1586.4	1580.6	1583.5	1549.0	1534.6	1551.8	1534.6	1543.2
40°	1379.1	1350.3	1361.8	1356.1	1350.3	1364.7	1338.8	1318.6	1333.0	1321.5	1338.8
42.5°	1122.9	1099.8	1114.2	1111.3	1102.7	1120.0	1099.8	1085.4	1108.5	1102.7	1117.1
45°	863.7	846.5	858.0	858.0	855.1	869.5	849.3	852.2	875.2	883.9	901.2
47.5°	624.8	598.9	613.3	621.9	621.9	636.3	624.8	636.3	662.2	679.5	693.9
50°	426.1	420.4	423.2	426.1	431.9	443.4	440.5	457.8	475.1	503.8	521.1
52.5°	282.2	276.4	282.2	285.0	290.8	302.3	302.3	322.5	342.6	368.5	388.7
55°	175.6	172.7	175.6	178.5	184.3	195.8	198.7	218.8	239.0	264.9	282.2
57.5°	100.8	103.6	103.6	109.4	112.3	120.9	129.6	141.1	164.1	190.0	207.3
60°	57.6	57.6	60.5	63.3	66.2	74.9	80.6	92.1	109.4	135.3	146.8
62.5°	37.4	37.4	40.3	40.3	43.2	48.9	54.7	66.2	80.6	100.8	112.3
65°	31.7	31.7	31.7	34.5	34.5	40.3	46.1	54.7	66.2	80.6	92.1
67.5°	25.9	25.9	25.9	28.8	28.8	31.7	37.4	43.2	51.8	63.3	72.0
70°	20.2	20.2	20.2	23.0	23.0	25.9	28.8	31.7	40.3	48.9	54.7
72.5°	14.4	14.4	17.3	17.3	17.3	20.2	23.0	25.9	31.7	37.4	40.3
75°	11.5	11.5	11.5	11.5	14.4	14.4	17.3	20.2	23.0	25.9	28.8
77.5°	5.8	5.8	8.6	8.6	8.6	11.5	11.5	14.4	17.3	20.2	20.2
80°	5.8	5.8	5.8	5.8	5.8	8.6	8.6	8.6	11.5	14.4	14.4
82.5°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	8.6	8.6	8.6
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
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: P212825

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2	2473.2
2.5°	2435.7	2444.4	2444.4	2435.7	2412.7	2432.8	2453.0	2432.8	2458.8	2412.7	2412.7
5°	2435.7	2441.5	2438.6	2427.1	2404.1	2421.3	2435.7	2415.6	2435.7	2392.5	2389.7
7.5°	2441.5	2435.7	2430.0	2415.6	2386.8	2398.3	2412.7	2389.7	2409.8	2363.7	2358.0
10°	2430.0	2421.3	2409.8	2389.7	2358.0	2366.6	2375.3	2355.1	2369.5	2323.4	2320.6
12.5°	2430.0	2415.6	2398.3	2375.3	2340.7	2346.5	2355.1	2329.2	2340.7	2297.5	2291.8
15°	2435.7	2409.8	2389.7	2363.7	2326.3	2329.2	2335.0	2306.2	2317.7	2271.6	2268.7
17.5°	2415.6	2386.8	2366.6	2335.0	2294.7	2297.5	2297.5	2268.7	2277.4	2231.3	2228.4
20°	2372.4	2337.8	2314.8	2286.0	2242.8	2242.8	2242.8	2214.0	2219.8	2179.5	2173.7
22.5°	2311.9	2274.5	2251.5	2222.7	2182.4	2179.5	2176.6	2153.6	2153.6	2116.1	2107.5
25°	2231.3	2196.8	2173.7	2147.8	2107.5	2101.8	2101.8	2081.6	2078.7	2044.2	2038.4
27.5°	2139.2	2098.9	2078.7	2055.7	2018.3	2012.5	2009.6	1998.1	1992.3	1954.9	1952.0
30°	2015.4	1980.8	1963.6	1943.4	1908.8	1903.1	1900.2	1888.7	1885.8	1848.4	1848.4
32.5°	1882.9	1839.8	1828.2	1808.1	1782.2	1779.3	1782.2	1767.8	1756.3	1730.3	1724.6
35°	1724.6	1681.4	1672.8	1664.1	1644.0	1638.2	1635.3	1632.5	1618.1	1600.8	1592.1
37.5°	1540.3	1502.9	1502.9	1500.0	1485.6	1485.6	1485.6	1479.9	1465.5	1459.7	1442.4
40°	1341.7	1312.9	1315.8	1318.6	1312.9	1315.8	1318.6	1312.9	1301.4	1295.6	1281.2
42.5°	1128.6	1114.2	1125.7	1134.4	1134.4	1143.0	1148.8	1148.8	1134.4	1131.5	1120.0
45°	915.6	912.7	935.7	953.0	958.7	973.1	981.8	976.0	976.0	976.0	964.5
47.5°	716.9	728.4	748.6	783.1	794.6	811.9	817.7	826.3	823.4	826.3	817.7
50°	544.2	570.1	596.0	630.5	647.8	668.0	676.6	688.1	688.1	691.0	685.2
52.5°	411.7	431.9	475.1	498.1	518.2	538.4	549.9	561.4	564.3	564.3	558.5
55°	305.2	334.0	362.8	394.4	411.7	431.9	440.5	452.0	452.0	457.8	452.0
57.5°	221.7	250.5	282.2	305.2	325.3	339.7	348.4	357.0	362.8	362.8	359.9
60°	164.1	187.1	213.1	236.1	253.4	267.8	273.5	282.2	285.0	285.0	279.3
62.5°	123.8	146.8	169.9	190.0	201.5	213.1	218.8	224.6	224.6	224.6	221.7
65°	100.8	118.0	135.3	152.6	164.1	172.7	175.6	181.4	178.5	181.4	178.5
67.5°	80.6	92.1	106.5	118.0	126.7	132.4	135.3	141.1	138.2	141.1	138.2
70°	60.5	72.0	80.6	89.3	95.0	100.8	103.6	106.5	103.6	106.5	103.6
72.5°	46.1	51.8	60.5	69.1	72.0	74.9	77.7	77.7	77.7	80.6	77.7
75°	31.7	37.4	43.2	46.1	51.8	54.7	54.7	57.6	57.6	57.6	57.6
77.5°	23.0	25.9	28.8	31.7	34.5	37.4	37.4	40.3	40.3	40.3	40.3
80°	14.4	17.3	17.3	20.2	23.0	23.0	25.9	25.9	25.9	25.9	25.9
82.5°	8.6	11.5	11.5	14.4	14.4	14.4	17.3	17.3	17.3	17.3	17.3
85°	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	2.9	2.9
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: P212825

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2473.2	2473.2	2473.2	2473.2
2.5°	2435.7	2421.3	2444.4	2409.8
5°	2409.8	2395.4	2424.2	2381.0
7.5°	2378.1	2363.7	2389.7	2346.5
10°	2337.8	2323.4	2346.5	2300.4
12.5°	2303.3	2288.9	2314.8	2271.6
15°	2277.4	2263.0	2286.0	2245.7
17.5°	2237.1	2219.8	2245.7	2202.5
20°	2179.5	2168.0	2188.1	2144.9
22.5°	2113.3	2101.8	2124.8	2081.6
25°	2044.2	2029.8	2052.8	2009.6
27.5°	1954.9	1943.4	1966.4	1923.2
30°	1848.4	1836.9	1859.9	1819.6
32.5°	1727.5	1715.9	1733.2	1698.7
35°	1589.3	1580.6	1597.9	1560.5
37.5°	1439.6	1430.9	1448.2	1410.8
40°	1278.3	1269.7	1284.1	1266.8
42.5°	1120.0	1111.3	1125.7	1111.3
45°	964.5	958.7	973.1	958.7
47.5°	820.5	814.8	829.2	814.8
50°	682.3	685.2	691.0	685.2
52.5°	558.5	558.5	567.2	558.5
55°	452.0	454.9	457.8	452.0
57.5°	359.9	359.9	362.8	359.9
60°	279.3	282.2	282.2	279.3
62.5°	221.7	221.7	221.7	221.7
65°	175.6	175.6	178.5	175.6
67.5°	138.2	135.3	138.2	135.3
70°	103.6	103.6	103.6	103.6
72.5°	80.6	80.6	77.7	77.7
75°	57.6	60.5	57.6	57.6
77.5°	40.3	40.3	40.3	40.3
80°	25.9	25.9	25.9	25.9
82.5°	17.3	17.3	17.3	17.3
85°	11.5	8.6	8.6	8.6
87.5°	5.8	2.9	2.9	2.9
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)