

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: P212859

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212859
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 EU6B60709727 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: 4075.9 lumens
Efficiency: N/A
Efficacy: 65.2 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

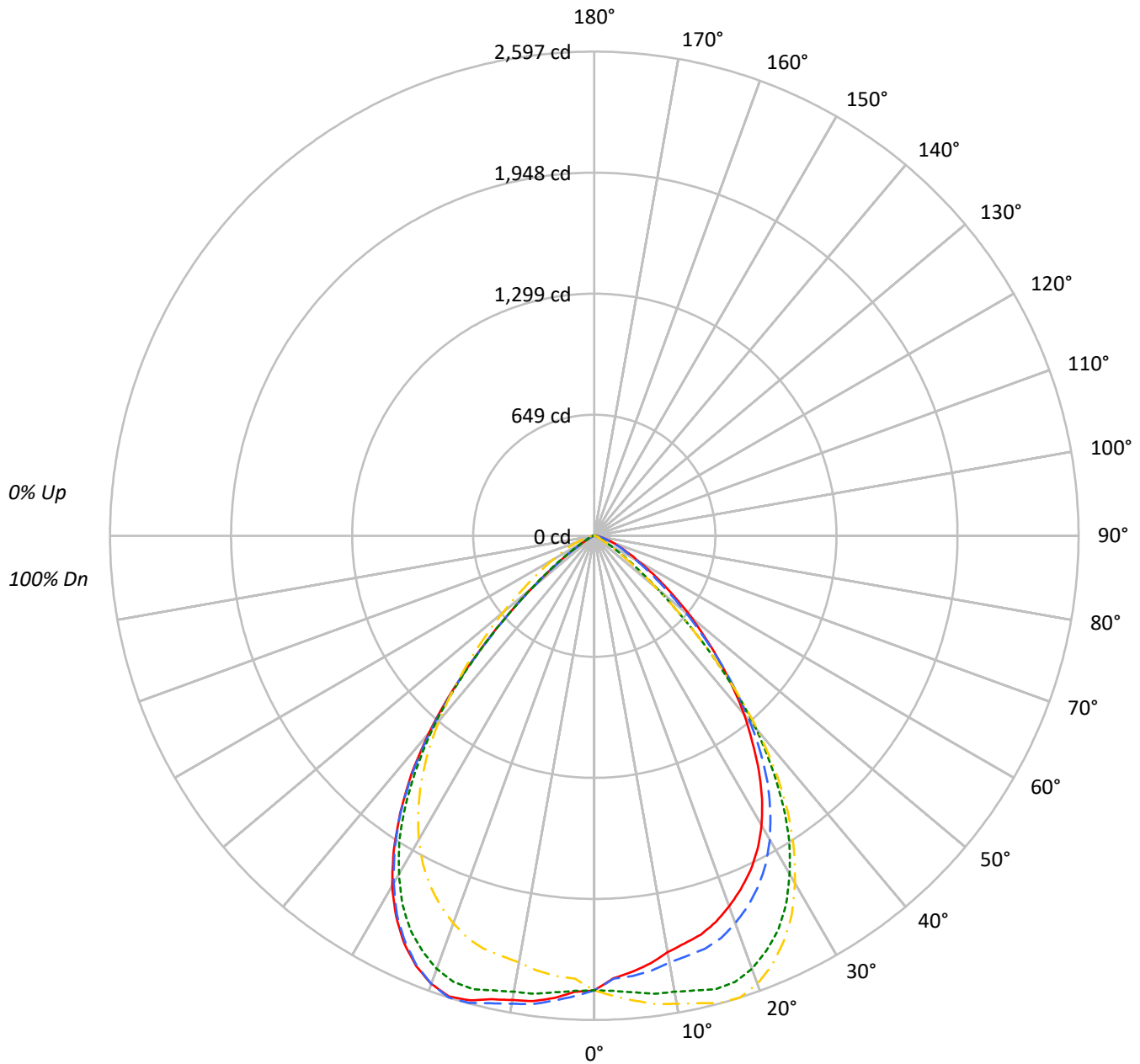
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWLI1

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					0
RW	70	50	30	10	70	50	30	10	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	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	71	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°	133646	133646	133646	133646
5°	129154	135246	136963	135246
10°	126228	138235	140762	138235
15°	125636	142867	146414	142867
20°	123345	144207	149177	144207
25°	119819	141111	145914	141111
30°	113536	132584	137255	132584
35°	102941	118139	121365	118139
40°	89360	96266	98706	96266
45°	73271	66449	66891	66449
50°	57610	37278	36545	37278
55°	42589	18446	16544	18446
60°	30184	8091	5910	8091
65°	22454	5150	3684	5150
70°	16381	4087	2725	4087
75°	12031	3008	1800	3008
80°	8050	2683	884	2683
85°	5346	1761	1761	1761



TEST NUMBER: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	5.7
10°-20°	691.2	17.0
20°-30°	1031.5	25.3
30°-40°	1059.8	26.0
40°-50°	686.3	16.8
50°-60°	255.2	6.3
60°-70°	83.7	2.1
70°-80°	29.5	0.7
80°-90°	5.3	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°	1956.1	48.0
0°-40°	3015.9	74.0
0°-60°	3957.4	97.1
0°-90°	4075.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4075.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2438	2438	2438	2438	2438	
5°	2347	2458	2489	2458	2347	222
15°	2214	2517	2580	2517	2214	623
25°	1981	2333	2412	2333	1981	908
35°	1538	1765	1814	1765	1538	955
45°	945	857	863	857	945	731
55°	446	193	173	193	446	406
65°	173	40	28	40	173	176
75°	57	14	8	14	57	62
85°	8	3	3	3	8	11
90°	0	0	0	0	0	



TEST NUMBER: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2375.4	2409.5	2386.8	2401.0	2378.3	2378.3	2423.7	2398.1	2418.0	2398.1	2378.3
5°	2347.0	2389.6	2361.2	2375.4	2355.6	2358.4	2401.0	2381.1	2401.0	2386.8	2369.8
7.5°	2313.0	2355.6	2330.0	2344.2	2324.3	2330.0	2375.4	2355.6	2378.3	2364.1	2352.7
10°	2267.6	2313.0	2290.3	2304.5	2287.4	2290.3	2335.7	2321.5	2341.4	2332.9	2324.3
12.5°	2239.2	2281.8	2256.2	2270.4	2259.1	2264.7	2307.3	2296.0	2321.5	2313.0	2307.3
15°	2213.7	2253.4	2230.7	2244.9	2236.4	2239.2	2284.6	2273.3	2301.6	2296.0	2293.1
17.5°	2171.1	2213.7	2188.1	2205.1	2196.6	2199.5	2244.9	2236.4	2264.7	2264.7	2261.9
20°	2114.3	2156.9	2137.0	2148.4	2142.7	2148.4	2188.1	2182.4	2210.8	2210.8	2210.8
22.5°	2051.9	2094.5	2071.8	2083.1	2077.4	2085.9	2122.8	2122.8	2145.5	2148.4	2151.2
25°	1980.9	2023.5	2000.8	2015.0	2009.3	2015.0	2049.1	2051.9	2071.8	2071.8	2077.4
27.5°	1895.8	1938.4	1915.7	1927.0	1924.2	1927.0	1963.9	1969.6	1980.9	1983.8	1989.5
30°	1793.6	1833.4	1810.7	1822.0	1822.0	1822.0	1858.9	1861.7	1873.1	1875.9	1881.6
32.5°	1674.4	1708.5	1691.5	1702.8	1700.0	1705.7	1731.2	1742.5	1756.7	1753.9	1756.7
35°	1538.2	1575.1	1558.1	1566.6	1569.4	1577.9	1595.0	1609.2	1612.0	1614.8	1620.5
37.5°	1390.6	1427.5	1410.5	1419.0	1421.9	1438.9	1444.6	1458.7	1464.4	1464.4	1464.4
40°	1248.7	1265.8	1251.6	1260.1	1262.9	1277.1	1282.8	1294.1	1299.8	1297.0	1294.1
42.5°	1095.5	1109.7	1095.5	1104.0	1104.0	1115.3	1118.2	1132.4	1132.4	1126.7	1118.2
45°	945.1	959.3	945.1	950.7	950.7	962.1	962.1	962.1	967.8	959.3	945.1
47.5°	803.2	817.4	803.2	808.8	806.0	814.5	811.7	814.5	806.0	800.3	783.3
50°	675.5	681.1	675.5	672.6	675.5	681.1	678.3	678.3	666.9	658.4	638.6
52.5°	550.6	559.1	550.6	550.6	550.6	556.3	556.3	553.4	542.1	530.7	510.8
55°	445.6	451.2	448.4	445.6	445.6	451.2	445.6	445.6	434.2	425.7	405.8
57.5°	354.8	357.6	354.8	354.8	354.8	357.6	357.6	351.9	343.4	334.9	320.7
60°	275.3	278.1	278.1	275.3	275.3	281.0	281.0	278.1	269.6	263.9	249.7
62.5°	218.5	218.5	218.5	218.5	218.5	221.4	221.4	221.4	215.7	210.0	198.7
65°	173.1	176.0	173.1	173.1	176.0	178.8	176.0	178.8	173.1	170.3	161.8
67.5°	133.4	136.2	133.4	136.2	136.2	139.1	136.2	139.1	133.4	130.5	124.9
70°	102.2	102.2	102.2	102.2	102.2	105.0	102.2	105.0	102.2	99.3	93.7
72.5°	76.6	76.6	79.5	79.5	76.6	79.5	76.6	76.6	76.6	73.8	71.0
75°	56.8	56.8	59.6	56.8	56.8	56.8	56.8	56.8	53.9	53.9	51.1
77.5°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	36.9	36.9	34.1
80°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	22.7	22.7
82.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	14.2	14.2
85°	8.5	8.5	8.5	11.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.8	2.8	2.8	5.7	2.8	2.8	5.7	5.7	2.8	2.8	2.8
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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2401.0	2409.5	2409.5	2401.0	2420.8	2403.8	2437.9	2406.6	2415.2	2443.5	2440.7
5°	2392.5	2403.8	2406.6	2401.0	2426.5	2412.3	2446.4	2415.2	2429.3	2457.7	2457.7
7.5°	2381.1	2395.3	2401.0	2406.6	2429.3	2415.2	2454.9	2423.7	2443.5	2477.6	2474.8
10°	2355.6	2375.4	2386.8	2395.3	2418.0	2409.5	2452.1	2426.5	2443.5	2483.3	2480.4
12.5°	2341.4	2364.1	2381.1	2395.3	2420.8	2415.2	2457.7	2435.0	2457.7	2497.5	2497.5
15°	2330.0	2355.6	2375.4	2401.0	2426.5	2420.8	2466.2	2446.4	2469.1	2517.3	2514.5
17.5°	2301.6	2332.9	2352.7	2381.1	2406.6	2403.8	2452.1	2437.9	2463.4	2508.8	2511.7
20°	2253.4	2281.8	2304.5	2338.5	2366.9	2361.2	2412.3	2398.1	2423.7	2471.9	2474.8
22.5°	2191.0	2219.3	2242.0	2278.9	2304.5	2301.6	2352.7	2338.5	2364.1	2409.5	2412.3
25°	2117.2	2142.7	2165.4	2199.5	2227.8	2227.8	2273.3	2259.1	2287.4	2332.9	2332.9
27.5°	2026.4	2049.1	2068.9	2108.7	2131.4	2131.4	2173.9	2159.7	2188.1	2227.8	2225.0
30°	1915.7	1935.5	1952.6	1986.6	2006.5	2009.3	2046.2	2032.0	2060.4	2094.5	2094.5
32.5°	1782.3	1802.1	1813.5	1856.1	1870.3	1867.4	1895.8	1881.6	1910.0	1946.9	1938.4
35°	1640.4	1648.9	1657.4	1700.0	1705.7	1694.3	1722.7	1708.5	1728.4	1765.3	1759.6
37.5°	1478.6	1481.4	1481.4	1518.3	1521.2	1512.7	1529.7	1512.7	1526.9	1560.9	1558.1
40°	1299.8	1297.0	1294.1	1322.5	1319.7	1302.7	1314.0	1299.8	1319.7	1345.2	1331.0
42.5°	1118.2	1109.7	1098.3	1112.5	1101.2	1087.0	1092.6	1069.9	1084.1	1104.0	1087.0
45°	939.4	922.4	899.7	902.5	888.3	871.3	862.8	840.1	837.2	857.1	842.9
47.5°	771.9	737.9	718.0	706.7	684.0	669.8	652.7	627.2	615.9	627.2	613.0
50°	621.5	587.5	561.9	536.4	513.7	496.7	468.3	451.2	434.2	437.1	425.7
52.5°	491.0	468.3	425.7	405.8	383.1	363.3	337.7	317.9	298.0	298.0	286.6
55°	388.8	357.6	329.2	300.8	278.1	261.1	235.6	215.7	195.8	193.0	181.6
57.5°	300.8	278.1	246.9	218.5	204.3	187.3	161.8	139.1	127.7	119.2	110.7
60°	232.7	210.0	184.5	161.8	144.7	133.4	107.8	90.8	79.5	73.8	65.3
62.5°	187.3	167.4	144.7	122.0	110.7	99.3	79.5	65.3	53.9	48.2	42.6
65°	150.4	133.4	116.4	99.3	90.8	79.5	65.3	53.9	45.4	39.7	34.1
67.5°	116.4	105.0	90.8	79.5	71.0	62.4	51.1	42.6	36.9	31.2	28.4
70°	88.0	79.5	71.0	59.6	53.9	48.2	39.7	31.2	28.4	25.5	22.7
72.5°	68.1	59.6	51.1	45.4	39.7	36.9	31.2	25.5	22.7	19.9	17.0
75°	45.4	42.6	36.9	31.2	28.4	25.5	22.7	19.9	17.0	14.2	14.2
77.5°	31.2	28.4	25.5	22.7	19.9	19.9	17.0	14.2	11.4	11.4	8.5
80°	19.9	17.0	17.0	14.2	14.2	14.2	11.4	8.5	8.5	8.5	5.7
82.5°	14.2	11.4	11.4	8.5	8.5	8.5	8.5	5.7	5.7	5.7	2.8
85°	8.5	5.7	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2418.0	2443.5	2443.5	2466.2	2469.1	2463.4	2437.9	2437.9	2471.9	2491.8	2457.7
5°	2440.7	2466.2	2466.2	2488.9	2500.3	2491.8	2466.2	2469.1	2503.1	2525.8	2491.8
7.5°	2460.6	2486.1	2491.8	2517.3	2525.8	2517.3	2491.8	2497.5	2534.4	2554.2	2520.2
10°	2469.1	2494.6	2497.5	2525.8	2537.2	2525.8	2506.0	2508.8	2548.5	2562.7	2531.5
12.5°	2488.9	2514.5	2514.5	2545.7	2557.1	2548.5	2523.0	2528.7	2568.4	2582.6	2551.4
15°	2508.8	2534.4	2534.4	2568.4	2582.6	2571.3	2551.4	2554.2	2594.0	2608.1	2582.6
17.5°	2508.8	2531.5	2531.5	2568.4	2582.6	2574.1	2551.4	2554.2	2596.8	2608.1	2582.6
20°	2471.9	2497.5	2491.8	2528.7	2542.9	2534.4	2514.5	2514.5	2557.1	2568.4	2542.9
22.5°	2412.3	2435.0	2429.3	2463.4	2480.4	2469.1	2452.1	2449.2	2491.8	2503.1	2477.6
25°	2330.0	2352.7	2347.0	2381.1	2398.1	2383.9	2364.1	2366.9	2401.0	2418.0	2395.3
27.5°	2233.5	2247.7	2239.2	2273.3	2290.3	2276.1	2256.2	2259.1	2293.1	2304.5	2287.4
30°	2103.0	2114.3	2105.8	2134.2	2145.5	2137.0	2120.0	2120.0	2151.2	2165.4	2148.4
32.5°	1946.9	1955.4	1946.9	1969.6	1992.3	1975.3	1958.2	1958.2	1992.3	2003.6	1983.8
35°	1765.3	1773.8	1768.1	1790.8	1807.8	1785.1	1770.9	1765.3	1810.7	1805.0	1793.6
37.5°	1563.8	1569.4	1552.4	1592.1	1600.6	1575.1	1563.8	1558.1	1597.8	1595.0	1583.6
40°	1336.7	1342.4	1331.0	1359.4	1362.3	1342.4	1333.9	1325.4	1365.1	1362.3	1353.7
42.5°	1095.5	1098.3	1084.1	1106.8	1112.5	1092.6	1089.8	1078.4	1115.3	1109.7	1106.8
45°	845.7	845.7	834.4	851.4	857.1	840.1	834.4	831.5	857.1	857.1	851.4
47.5°	613.0	604.5	590.3	615.9	618.7	607.3	604.5	596.0	621.5	621.5	615.9
50°	420.0	417.2	414.4	420.0	422.9	408.7	417.2	408.7	422.9	422.9	422.9
52.5°	281.0	278.1	272.5	278.1	278.1	269.6	269.6	266.8	278.1	278.1	272.5
55°	176.0	173.1	170.3	173.1	173.1	164.6	170.3	164.6	170.3	170.3	167.4
57.5°	107.8	102.2	102.2	99.3	99.3	93.7	96.5	96.5	96.5	96.5	96.5
60°	62.4	59.6	56.8	56.8	56.8	53.9	53.9	53.9	53.9	53.9	53.9
62.5°	39.7	39.7	36.9	36.9	36.9	36.9	36.9	34.1	36.9	36.9	36.9
65°	34.1	31.2	31.2	31.2	31.2	28.4	28.4	28.4	28.4	28.4	28.4
67.5°	28.4	25.5	25.5	25.5	25.5	22.7	22.7	22.7	22.7	22.7	22.7
70°	22.7	19.9	19.9	19.9	19.9	19.9	17.0	19.9	19.9	17.0	17.0
72.5°	17.0	17.0	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	11.4	11.4	11.4	11.4	11.4	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	8.5	8.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	0.0	2.8	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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2497.5	2469.1	2454.9	2483.3	2494.6	2480.4	2469.1	2449.2	2469.1	2480.4	2494.6
5°	2531.5	2506.0	2494.6	2514.5	2531.5	2517.3	2508.8	2488.9	2508.8	2517.3	2531.5
7.5°	2562.7	2537.2	2523.0	2542.9	2562.7	2542.9	2534.4	2517.3	2534.4	2542.9	2562.7
10°	2574.1	2545.7	2534.4	2551.4	2571.3	2551.4	2540.0	2528.7	2540.0	2551.4	2571.3
12.5°	2594.0	2565.6	2551.4	2565.6	2585.4	2565.6	2554.2	2545.7	2554.2	2565.6	2585.4
15°	2622.3	2596.8	2579.8	2594.0	2619.5	2596.8	2582.6	2579.8	2582.6	2596.8	2619.5
17.5°	2622.3	2602.5	2585.4	2596.8	2622.3	2605.3	2585.4	2591.1	2585.4	2605.3	2622.3
20°	2585.4	2565.6	2551.4	2551.4	2588.3	2565.6	2548.5	2557.1	2548.5	2565.6	2588.3
22.5°	2520.2	2503.1	2488.9	2486.1	2523.0	2503.1	2480.4	2497.5	2480.4	2503.1	2523.0
25°	2435.0	2418.0	2406.6	2401.0	2437.9	2415.2	2395.3	2412.3	2395.3	2415.2	2437.9
27.5°	2324.3	2310.2	2298.8	2290.3	2324.3	2304.5	2284.6	2301.6	2284.6	2304.5	2324.3
30°	2182.4	2173.9	2162.6	2151.2	2185.3	2165.4	2145.5	2168.3	2145.5	2165.4	2185.3
32.5°	2017.8	2012.2	1998.0	1986.6	2020.7	1998.0	1983.8	2000.8	1983.8	1998.0	2020.7
35°	1827.7	1819.2	1810.7	1790.8	1827.7	1807.8	1807.8	1813.5	1807.8	1807.8	1827.7
37.5°	1614.8	1609.2	1597.8	1580.8	1612.0	1597.8	1592.1	1609.2	1592.1	1597.8	1612.0
40°	1376.4	1373.6	1365.1	1345.2	1379.3	1365.1	1356.6	1379.3	1356.6	1365.1	1379.3
42.5°	1126.7	1121.0	1112.5	1109.7	1126.7	1115.3	1123.9	1123.9	1123.9	1115.3	1126.7
45°	868.4	862.8	857.1	845.7	865.6	859.9	857.1	862.8	857.1	859.9	865.6
47.5°	630.0	624.4	618.7	610.2	630.0	621.5	621.5	627.2	621.5	621.5	630.0
50°	422.9	425.7	422.9	417.2	422.9	420.0	422.9	428.5	422.9	420.0	422.9
52.5°	281.0	281.0	275.3	272.5	278.1	275.3	283.8	278.1	283.8	275.3	278.1
55°	170.3	173.1	170.3	167.4	170.3	167.4	176.0	173.1	176.0	167.4	170.3
57.5°	96.5	96.5	99.3	96.5	102.2	99.3	99.3	99.3	99.3	99.3	102.2
60°	53.9	53.9	53.9	53.9	53.9	53.9	56.8	53.9	56.8	53.9	53.9
62.5°	36.9	36.9	36.9	34.1	36.9	34.1	36.9	36.9	36.9	34.1	36.9
65°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
67.5°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
70°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2483.3	2454.9	2469.1	2497.5	2457.7	2491.8	2471.9	2437.9	2437.9	2463.4	2469.1
5°	2514.5	2494.6	2506.0	2531.5	2491.8	2525.8	2503.1	2469.1	2466.2	2491.8	2500.3
7.5°	2542.9	2523.0	2537.2	2562.7	2520.2	2554.2	2534.4	2497.5	2491.8	2517.3	2525.8
10°	2551.4	2534.4	2545.7	2574.1	2531.5	2562.7	2548.5	2508.8	2506.0	2525.8	2537.2
12.5°	2565.6	2551.4	2565.6	2594.0	2551.4	2582.6	2568.4	2528.7	2523.0	2548.5	2557.1
15°	2594.0	2579.8	2596.8	2622.3	2582.6	2608.1	2594.0	2554.2	2551.4	2571.3	2582.6
17.5°	2596.8	2585.4	2602.5	2622.3	2582.6	2608.1	2596.8	2554.2	2551.4	2574.1	2582.6
20°	2551.4	2551.4	2565.6	2585.4	2542.9	2568.4	2557.1	2514.5	2514.5	2534.4	2542.9
22.5°	2486.1	2488.9	2503.1	2520.2	2477.6	2503.1	2491.8	2449.2	2452.1	2469.1	2480.4
25°	2401.0	2406.6	2418.0	2435.0	2395.3	2418.0	2401.0	2366.9	2364.1	2383.9	2398.1
27.5°	2290.3	2298.8	2310.2	2324.3	2287.4	2304.5	2293.1	2259.1	2256.2	2276.1	2290.3
30°	2151.2	2162.6	2173.9	2182.4	2148.4	2165.4	2151.2	2120.0	2120.0	2137.0	2145.5
32.5°	1986.6	1998.0	2012.2	2017.8	1983.8	2003.6	1992.3	1958.2	1958.2	1975.3	1992.3
35°	1790.8	1810.7	1819.2	1827.7	1793.6	1805.0	1810.7	1765.3	1770.9	1785.1	1807.8
37.5°	1580.8	1597.8	1609.2	1614.8	1583.6	1595.0	1597.8	1558.1	1563.8	1575.1	1600.6
40°	1345.2	1365.1	1373.6	1376.4	1353.7	1362.3	1365.1	1325.4	1333.9	1342.4	1362.3
42.5°	1109.7	1112.5	1121.0	1126.7	1106.8	1109.7	1115.3	1078.4	1089.8	1092.6	1112.5
45°	845.7	857.1	862.8	868.4	851.4	857.1	857.1	831.5	834.4	840.1	857.1
47.5°	610.2	618.7	624.4	630.0	615.9	621.5	621.5	596.0	604.5	607.3	618.7
50°	417.2	422.9	425.7	422.9	422.9	422.9	422.9	408.7	417.2	408.7	422.9
52.5°	272.5	275.3	281.0	281.0	272.5	278.1	278.1	266.8	269.6	269.6	278.1
55°	167.4	170.3	173.1	170.3	167.4	170.3	170.3	164.6	170.3	164.6	173.1
57.5°	96.5	99.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	93.7	99.3
60°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	56.8
62.5°	34.1	36.9	36.9	36.9	36.9	36.9	36.9	34.1	36.9	36.9	36.9
65°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	31.2
67.5°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	25.5
70°	17.0	17.0	17.0	17.0	17.0	17.0	19.9	19.9	17.0	19.9	19.9
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.4
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0	2.8
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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2466.2	2443.5	2443.5	2418.0	2440.7	2443.5	2415.2	2406.6	2437.9	2403.8	2420.8
5°	2488.9	2466.2	2466.2	2440.7	2457.7	2457.7	2429.3	2415.2	2446.4	2412.3	2426.5
7.5°	2517.3	2491.8	2486.1	2460.6	2474.8	2477.6	2443.5	2423.7	2454.9	2415.2	2429.3
10°	2525.8	2497.5	2494.6	2469.1	2480.4	2483.3	2443.5	2426.5	2452.1	2409.5	2418.0
12.5°	2545.7	2514.5	2514.5	2488.9	2497.5	2497.5	2457.7	2435.0	2457.7	2415.2	2420.8
15°	2568.4	2534.4	2534.4	2508.8	2514.5	2517.3	2469.1	2446.4	2466.2	2420.8	2426.5
17.5°	2568.4	2531.5	2531.5	2508.8	2511.7	2508.8	2463.4	2437.9	2452.1	2403.8	2406.6
20°	2528.7	2491.8	2497.5	2471.9	2474.8	2471.9	2423.7	2398.1	2412.3	2361.2	2366.9
22.5°	2463.4	2429.3	2435.0	2412.3	2412.3	2409.5	2364.1	2338.5	2352.7	2301.6	2304.5
25°	2381.1	2347.0	2352.7	2330.0	2332.9	2332.9	2287.4	2259.1	2273.3	2227.8	2227.8
27.5°	2273.3	2239.2	2247.7	2233.5	2225.0	2227.8	2188.1	2159.7	2173.9	2131.4	2131.4
30°	2134.2	2105.8	2114.3	2103.0	2094.5	2094.5	2060.4	2032.0	2046.2	2009.3	2006.5
32.5°	1969.6	1946.9	1955.4	1946.9	1938.4	1946.9	1910.0	1881.6	1895.8	1867.4	1870.3
35°	1790.8	1768.1	1773.8	1765.3	1759.6	1765.3	1728.4	1708.5	1722.7	1694.3	1705.7
37.5°	1592.1	1552.4	1569.4	1563.8	1558.1	1560.9	1526.9	1512.7	1529.7	1512.7	1521.2
40°	1359.4	1331.0	1342.4	1336.7	1331.0	1345.2	1319.7	1299.8	1314.0	1302.7	1319.7
42.5°	1106.8	1084.1	1098.3	1095.5	1087.0	1104.0	1084.1	1069.9	1092.6	1087.0	1101.2
45°	851.4	834.4	845.7	845.7	842.9	857.1	837.2	840.1	862.8	871.3	888.3
47.5°	615.9	590.3	604.5	613.0	613.0	627.2	615.9	627.2	652.7	669.8	684.0
50°	420.0	414.4	417.2	420.0	425.7	437.1	434.2	451.2	468.3	496.7	513.7
52.5°	278.1	272.5	278.1	281.0	286.6	298.0	298.0	317.9	337.7	363.3	383.1
55°	173.1	170.3	173.1	176.0	181.6	193.0	195.8	215.7	235.6	261.1	278.1
57.5°	99.3	102.2	102.2	107.8	110.7	119.2	127.7	139.1	161.8	187.3	204.3
60°	56.8	56.8	59.6	62.4	65.3	73.8	79.5	90.8	107.8	133.4	144.7
62.5°	36.9	36.9	39.7	39.7	42.6	48.2	53.9	65.3	79.5	99.3	110.7
65°	31.2	31.2	31.2	34.1	34.1	39.7	45.4	53.9	65.3	79.5	90.8
67.5°	25.5	25.5	25.5	28.4	28.4	31.2	36.9	42.6	51.1	62.4	71.0
70°	19.9	19.9	19.9	22.7	22.7	25.5	28.4	31.2	39.7	48.2	53.9
72.5°	14.2	14.2	17.0	17.0	17.0	19.9	22.7	25.5	31.2	36.9	39.7
75°	11.4	11.4	11.4	11.4	14.2	14.2	17.0	19.9	22.7	25.5	28.4
77.5°	5.7	5.7	8.5	8.5	8.5	11.4	11.4	14.2	17.0	19.9	19.9
80°	5.7	5.7	5.7	5.7	5.7	8.5	8.5	8.5	11.4	14.2	14.2
82.5°	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7	8.5	8.5	8.5
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9	2437.9
2.5°	2401.0	2409.5	2409.5	2401.0	2378.3	2398.1	2418.0	2398.1	2423.7	2378.3	2378.3
5°	2401.0	2406.6	2403.8	2392.5	2369.8	2386.8	2401.0	2381.1	2401.0	2358.4	2355.6
7.5°	2406.6	2401.0	2395.3	2381.1	2352.7	2364.1	2378.3	2355.6	2375.4	2330.0	2324.3
10°	2395.3	2386.8	2375.4	2355.6	2324.3	2332.9	2341.4	2321.5	2335.7	2290.3	2287.4
12.5°	2395.3	2381.1	2364.1	2341.4	2307.3	2313.0	2321.5	2296.0	2307.3	2264.7	2259.1
15°	2401.0	2375.4	2355.6	2330.0	2293.1	2296.0	2301.6	2273.3	2284.6	2239.2	2236.4
17.5°	2381.1	2352.7	2332.9	2301.6	2261.9	2264.7	2264.7	2236.4	2244.9	2199.5	2196.6
20°	2338.5	2304.5	2281.8	2253.4	2210.8	2210.8	2210.8	2182.4	2188.1	2148.4	2142.7
22.5°	2278.9	2242.0	2219.3	2191.0	2151.2	2148.4	2145.5	2122.8	2122.8	2085.9	2077.4
25°	2199.5	2165.4	2142.7	2117.2	2077.4	2071.8	2071.8	2051.9	2049.1	2015.0	2009.3
27.5°	2108.7	2068.9	2049.1	2026.4	1989.5	1983.8	1980.9	1969.6	1963.9	1927.0	1924.2
30°	1986.6	1952.6	1935.5	1915.7	1881.6	1875.9	1873.1	1861.7	1858.9	1822.0	1822.0
32.5°	1856.1	1813.5	1802.1	1782.3	1756.7	1753.9	1756.7	1742.5	1731.2	1705.7	1700.0
35°	1700.0	1657.4	1648.9	1640.4	1620.5	1614.8	1612.0	1609.2	1595.0	1577.9	1569.4
37.5°	1518.3	1481.4	1481.4	1478.6	1464.4	1464.4	1464.4	1458.7	1444.6	1438.9	1421.9
40°	1322.5	1294.1	1297.0	1299.8	1294.1	1297.0	1299.8	1294.1	1282.8	1277.1	1262.9
42.5°	1112.5	1098.3	1109.7	1118.2	1118.2	1126.7	1132.4	1132.4	1118.2	1115.3	1104.0
45°	902.5	899.7	922.4	939.4	945.1	959.3	967.8	962.1	962.1	962.1	950.7
47.5°	706.7	718.0	737.9	771.9	783.3	800.3	806.0	814.5	811.7	814.5	806.0
50°	536.4	561.9	587.5	621.5	638.6	658.4	666.9	678.3	678.3	681.1	675.5
52.5°	405.8	425.7	468.3	491.0	510.8	530.7	542.1	553.4	556.3	556.3	550.6
55°	300.8	329.2	357.6	388.8	405.8	425.7	434.2	445.6	445.6	451.2	445.6
57.5°	218.5	246.9	278.1	300.8	320.7	334.9	343.4	351.9	357.6	357.6	354.8
60°	161.8	184.5	210.0	232.7	249.7	263.9	269.6	278.1	281.0	281.0	275.3
62.5°	122.0	144.7	167.4	187.3	198.7	210.0	215.7	221.4	221.4	221.4	218.5
65°	99.3	116.4	133.4	150.4	161.8	170.3	173.1	178.8	176.0	178.8	176.0
67.5°	79.5	90.8	105.0	116.4	124.9	130.5	133.4	139.1	136.2	139.1	136.2
70°	59.6	71.0	79.5	88.0	93.7	99.3	102.2	105.0	102.2	105.0	102.2
72.5°	45.4	51.1	59.6	68.1	71.0	73.8	76.6	76.6	76.6	79.5	76.6
75°	31.2	36.9	42.6	45.4	51.1	53.9	53.9	56.8	56.8	56.8	56.8
77.5°	22.7	25.5	28.4	31.2	34.1	36.9	36.9	39.7	39.7	39.7	39.7
80°	14.2	17.0	17.0	19.9	22.7	22.7	25.5	25.5	25.5	25.5	25.5
82.5°	8.5	11.4	11.4	14.2	14.2	14.2	17.0	17.0	17.0	17.0	17.0
85°	5.7	5.7	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	2.8	2.8
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: P212859

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2437.9	2437.9	2437.9	2437.9
2.5°	2401.0	2386.8	2409.5	2375.4
5°	2375.4	2361.2	2389.6	2347.0
7.5°	2344.2	2330.0	2355.6	2313.0
10°	2304.5	2290.3	2313.0	2267.6
12.5°	2270.4	2256.2	2281.8	2239.2
15°	2244.9	2230.7	2253.4	2213.7
17.5°	2205.1	2188.1	2213.7	2171.1
20°	2148.4	2137.0	2156.9	2114.3
22.5°	2083.1	2071.8	2094.5	2051.9
25°	2015.0	2000.8	2023.5	1980.9
27.5°	1927.0	1915.7	1938.4	1895.8
30°	1822.0	1810.7	1833.4	1793.6
32.5°	1702.8	1691.5	1708.5	1674.4
35°	1566.6	1558.1	1575.1	1538.2
37.5°	1419.0	1410.5	1427.5	1390.6
40°	1260.1	1251.6	1265.8	1248.7
42.5°	1104.0	1095.5	1109.7	1095.5
45°	950.7	945.1	959.3	945.1
47.5°	808.8	803.2	817.4	803.2
50°	672.6	675.5	681.1	675.5
52.5°	550.6	550.6	559.1	550.6
55°	445.6	448.4	451.2	445.6
57.5°	354.8	354.8	357.6	354.8
60°	275.3	278.1	278.1	275.3
62.5°	218.5	218.5	218.5	218.5
65°	173.1	173.1	176.0	173.1
67.5°	136.2	133.4	136.2	133.4
70°	102.2	102.2	102.2	102.2
72.5°	79.5	79.5	76.6	76.6
75°	56.8	59.6	56.8	56.8
77.5°	39.7	39.7	39.7	39.7
80°	25.5	25.5	25.5	25.5
82.5°	17.0	17.0	17.0	17.0
85°	11.4	8.5	8.5	8.5
87.5°	5.7	2.8	2.8	2.8
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)