

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: P212853

Luminaire Tested: **LD6B60D010TE EU6B60709024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212853
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 EU6B60709024 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4123.5 lumens
Efficiency: N/A
Efficacy: 66.0 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

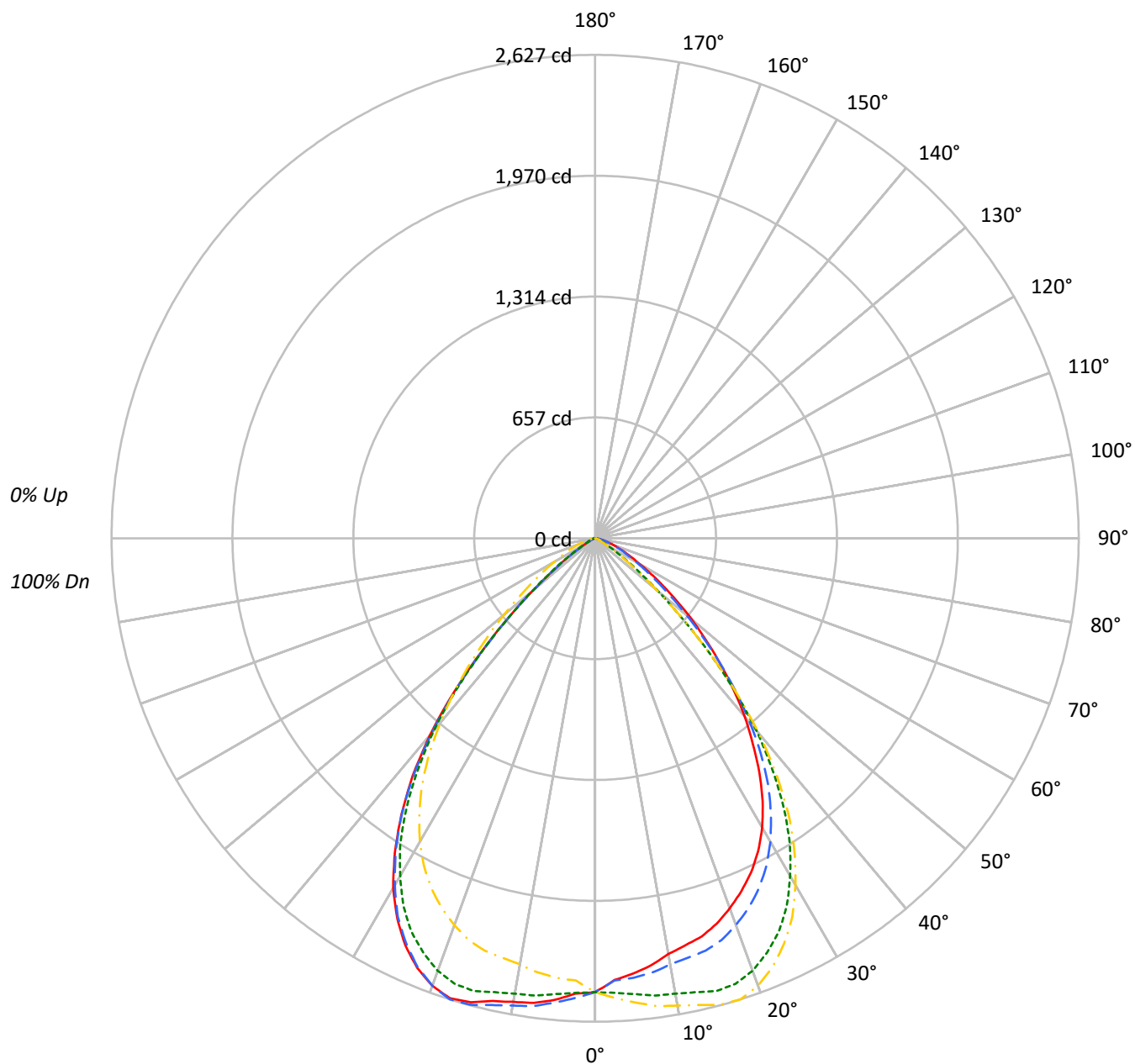
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	135203	135203	135203	135203
5°	130662	136826	138564	136826
10°	127697	139849	142404	139849
15°	127101	144535	148122	144535
20°	124786	145893	150916	145893
25°	121223	142756	147619	142756
30°	114866	134128	138857	134128
35°	104146	119518	122784	119518
40°	90405	97390	99859	97390
45°	74124	67224	67666	67224
50°	58275	37713	36971	37713
55°	43086	18656	16735	18656
60°	30535	8179	5986	8179
65°	22713	5215	3723	5215
70°	16573	4135	2757	4135
75°	12158	3050	1822	3050
80°	8145	2715	916	2715
85°	5409	1824	1824	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	5.7
10°-20°	699.3	17.0
20°-30°	1043.5	25.3
30°-40°	1072.1	26.0
40°-50°	694.3	16.8
50°-60°	258.2	6.3
60°-70°	84.7	2.1
70°-80°	29.9	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°	1978.9	48.0
0°-40°	3051.1	74.0
0°-60°	4003.5	97.1
0°-90°	4123.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2466	2466	2466	2466	2466	
5°	2374	2486	2518	2486	2374	224
15°	2240	2547	2610	2547	2240	630
25°	2004	2360	2440	2360	2004	918
35°	1556	1786	1835	1786	1556	966
45°	956	867	873	867	956	739
55°	451	195	175	195	451	411
65°	175	40	29	40	175	178
75°	57	14	9	14	57	63
85°	9	3	3	3	9	11
90°	0	0	0	0	0	



TEST NUMBER: P212853

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2403.2	2437.6	2414.6	2429.0	2406.0	2406.0	2452.0	2426.1	2446.2	2426.1	2406.0
5°	2374.4	2417.5	2388.8	2403.2	2383.1	2385.9	2429.0	2408.9	2429.0	2414.6	2397.4
7.5°	2340.0	2383.1	2357.2	2371.6	2351.5	2357.2	2403.2	2383.1	2406.0	2391.7	2380.2
10°	2294.0	2340.0	2317.0	2331.4	2314.1	2317.0	2363.0	2348.6	2368.7	2360.1	2351.5
12.5°	2265.3	2308.4	2282.6	2296.9	2285.4	2291.2	2334.2	2322.8	2348.6	2340.0	2334.2
15°	2239.5	2279.7	2256.7	2271.1	2262.5	2265.3	2311.3	2299.8	2328.5	2322.8	2319.9
17.5°	2196.4	2239.5	2213.7	2230.9	2222.3	2225.1	2271.1	2262.5	2291.2	2291.2	2288.3
20°	2139.0	2182.1	2162.0	2173.5	2167.7	2173.5	2213.7	2207.9	2236.6	2236.6	2236.6
22.5°	2075.8	2118.9	2095.9	2107.4	2101.7	2110.3	2147.6	2147.6	2170.6	2173.5	2176.3
25°	2004.1	2047.1	2024.2	2038.5	2032.8	2038.5	2073.0	2075.8	2095.9	2095.9	2101.7
27.5°	1917.9	1961.0	1938.0	1949.5	1946.6	1949.5	1986.8	1992.6	2004.1	2006.9	2012.7
30°	1814.6	1854.8	1831.8	1843.3	1843.3	1843.3	1880.6	1883.5	1895.0	1897.8	1903.6
32.5°	1694.0	1728.4	1711.2	1722.7	1719.8	1725.6	1751.4	1762.9	1777.2	1774.4	1777.2
35°	1556.2	1593.5	1576.3	1584.9	1587.7	1596.4	1613.6	1627.9	1630.8	1633.7	1639.4
37.5°	1406.9	1444.2	1427.0	1435.6	1438.4	1455.7	1461.4	1475.8	1481.5	1481.5	1481.5
40°	1263.3	1280.5	1266.2	1274.8	1277.7	1292.0	1297.8	1309.2	1315.0	1312.1	1309.2
42.5°	1108.3	1122.6	1108.3	1116.9	1116.9	1128.4	1131.2	1145.6	1145.6	1139.8	1131.2
45°	956.1	970.4	956.1	961.8	961.8	973.3	973.3	973.3	979.1	970.4	956.1
47.5°	812.5	826.9	812.5	818.3	815.4	824.0	821.1	824.0	815.4	809.7	792.4
50°	683.3	689.1	683.3	680.5	683.3	689.1	686.2	686.2	674.7	666.1	646.0
52.5°	557.0	565.6	557.0	557.0	557.0	562.7	562.7	559.9	548.4	536.9	516.8
55°	450.8	456.5	453.6	450.8	450.8	456.5	450.8	450.8	439.3	430.7	410.6
57.5°	358.9	361.8	358.9	358.9	358.9	361.8	361.8	356.0	347.4	338.8	324.4
60°	278.5	281.4	281.4	278.5	278.5	284.2	284.2	281.4	272.8	267.0	252.7
62.5°	221.1	221.1	221.1	221.1	221.1	223.9	223.9	223.9	218.2	212.5	201.0
65°	175.1	178.0	175.1	175.1	178.0	180.9	178.0	180.9	175.1	172.3	163.7
67.5°	134.9	137.8	134.9	137.8	137.8	140.7	137.8	140.7	134.9	132.1	126.3
70°	103.4	103.4	103.4	103.4	103.4	106.2	103.4	106.2	103.4	100.5	94.7
72.5°	77.5	77.5	80.4	80.4	77.5	80.4	77.5	77.5	77.5	74.6	71.8
75°	57.4	57.4	60.3	57.4	57.4	57.4	57.4	57.4	54.6	54.6	51.7
77.5°	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	37.3	37.3	34.5
80°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	23.0	23.0
82.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	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	5.7	2.9	2.9	5.7	5.7	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°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2429.0	2437.6	2437.6	2429.0	2449.1	2431.9	2466.3	2434.7	2443.3	2472.1	2469.2
5°	2420.4	2431.9	2434.7	2429.0	2454.8	2440.5	2474.9	2443.3	2457.7	2486.4	2486.4
7.5°	2408.9	2423.2	2429.0	2434.7	2457.7	2443.3	2483.5	2452.0	2472.1	2506.5	2503.6
10°	2383.1	2403.2	2414.6	2423.2	2446.2	2437.6	2480.7	2454.8	2472.1	2512.3	2509.4
12.5°	2368.7	2391.7	2408.9	2423.2	2449.1	2443.3	2486.4	2463.4	2486.4	2526.6	2526.6
15°	2357.2	2383.1	2403.2	2429.0	2454.8	2449.1	2495.0	2474.9	2497.9	2546.7	2543.8
17.5°	2328.5	2360.1	2380.2	2408.9	2434.7	2431.9	2480.7	2466.3	2492.2	2538.1	2541.0
20°	2279.7	2308.4	2331.4	2365.8	2394.5	2388.8	2440.5	2426.1	2452.0	2500.8	2503.6
22.5°	2216.5	2245.2	2268.2	2305.5	2331.4	2328.5	2380.2	2365.8	2391.7	2437.6	2440.5
25°	2141.9	2167.7	2190.7	2225.1	2253.9	2253.9	2299.8	2285.4	2314.1	2360.1	2360.1
27.5°	2050.0	2073.0	2093.1	2133.3	2156.2	2156.2	2199.3	2184.9	2213.7	2253.9	2251.0
30°	1938.0	1958.1	1975.4	2009.8	2029.9	2032.8	2070.1	2055.7	2084.5	2118.9	2118.9
32.5°	1803.1	1823.2	1834.7	1877.7	1892.1	1889.2	1917.9	1903.6	1932.3	1969.6	1961.0
35°	1659.5	1668.1	1676.8	1719.8	1725.6	1714.1	1742.8	1728.4	1748.5	1785.9	1780.1
37.5°	1495.9	1498.7	1498.7	1536.1	1538.9	1530.3	1547.5	1530.3	1544.7	1579.1	1576.3
40°	1315.0	1312.1	1309.2	1338.0	1335.1	1317.9	1329.3	1315.0	1335.1	1360.9	1346.6
42.5°	1131.2	1122.6	1111.1	1125.5	1114.0	1099.6	1105.4	1082.4	1096.8	1116.9	1099.6
45°	950.4	933.1	910.2	913.0	898.7	881.4	872.8	849.9	847.0	867.1	852.7
47.5°	781.0	746.5	726.4	714.9	691.9	677.6	660.4	634.5	623.0	634.5	620.2
50°	628.8	594.3	568.5	542.6	519.7	502.5	473.7	456.5	439.3	442.2	430.7
52.5°	496.7	473.7	430.7	410.6	387.6	367.5	341.7	321.6	301.5	301.5	290.0
55°	393.3	361.8	333.1	304.3	281.4	264.1	238.3	218.2	198.1	195.2	183.8
57.5°	304.3	281.4	249.8	221.1	206.7	189.5	163.7	140.7	129.2	120.6	112.0
60°	235.4	212.5	186.6	163.7	146.4	134.9	109.1	91.9	80.4	74.6	66.0
62.5°	189.5	169.4	146.4	123.5	112.0	100.5	80.4	66.0	54.6	48.8	43.1
65°	152.2	134.9	117.7	100.5	91.9	80.4	66.0	54.6	45.9	40.2	34.5
67.5°	117.7	106.2	91.9	80.4	71.8	63.2	51.7	43.1	37.3	31.6	28.7
70°	89.0	80.4	71.8	60.3	54.6	48.8	40.2	31.6	28.7	25.8	23.0
72.5°	68.9	60.3	51.7	45.9	40.2	37.3	31.6	25.8	23.0	20.1	17.2
75°	45.9	43.1	37.3	31.6	28.7	25.8	23.0	20.1	17.2	14.4	14.4
77.5°	31.6	28.7	25.8	23.0	20.1	20.1	17.2	14.4	11.5	11.5	8.6
80°	20.1	17.2	17.2	14.4	14.4	14.4	11.5	8.6	8.6	8.6	5.7
82.5°	14.4	11.5	11.5	8.6	8.6	8.6	8.6	5.7	5.7	5.7	2.9
85°	8.6	5.7	5.7	5.7	5.7	5.7	5.7	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°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2446.2	2472.1	2472.1	2495.0	2497.9	2492.2	2466.3	2466.3	2500.8	2520.9	2486.4
5°	2469.2	2495.0	2495.0	2518.0	2529.5	2520.9	2495.0	2497.9	2532.4	2555.3	2520.9
7.5°	2489.3	2515.1	2520.9	2546.7	2555.3	2546.7	2520.9	2526.6	2563.9	2584.0	2549.6
10°	2497.9	2523.7	2526.6	2555.3	2566.8	2555.3	2535.2	2538.1	2578.3	2592.6	2561.1
12.5°	2518.0	2543.8	2543.8	2575.4	2586.9	2578.3	2552.5	2558.2	2598.4	2612.7	2581.2
15°	2538.1	2563.9	2563.9	2598.4	2612.7	2601.3	2581.2	2584.0	2624.2	2638.6	2612.7
17.5°	2538.1	2561.1	2561.1	2598.4	2612.7	2604.1	2581.2	2584.0	2627.1	2638.6	2612.7
20°	2500.8	2526.6	2520.9	2558.2	2572.5	2563.9	2543.8	2543.8	2586.9	2598.4	2572.5
22.5°	2440.5	2463.4	2457.7	2492.2	2509.4	2497.9	2480.7	2477.8	2520.9	2532.4	2506.5
25°	2357.2	2380.2	2374.4	2408.9	2426.1	2411.8	2391.7	2394.5	2429.0	2446.2	2423.2
27.5°	2259.6	2273.9	2265.3	2299.8	2317.0	2302.7	2282.6	2285.4	2319.9	2331.4	2314.1
30°	2127.5	2139.0	2130.4	2159.1	2170.6	2162.0	2144.7	2144.7	2176.3	2190.7	2173.5
32.5°	1969.6	1978.2	1969.6	1992.6	2015.5	1998.3	1981.1	1981.1	2015.5	2027.0	2006.9
35°	1785.9	1794.5	1788.7	1811.7	1828.9	1806.0	1791.6	1785.9	1831.8	1826.1	1814.6
37.5°	1582.0	1587.7	1570.5	1610.7	1619.3	1593.5	1582.0	1576.3	1616.5	1613.6	1602.1
40°	1352.3	1358.1	1346.6	1375.3	1378.2	1358.1	1349.4	1340.8	1381.0	1378.2	1369.5
42.5°	1108.3	1111.1	1096.8	1119.7	1125.5	1105.4	1102.5	1091.0	1128.4	1122.6	1119.7
45°	855.6	855.6	844.1	861.3	867.1	849.9	844.1	841.2	867.1	867.1	861.3
47.5°	620.2	611.6	597.2	623.0	625.9	614.4	611.6	602.9	628.8	628.8	623.0
50°	424.9	422.1	419.2	424.9	427.8	413.4	422.1	413.4	427.8	427.8	427.8
52.5°	284.2	281.4	275.6	281.4	281.4	272.8	272.8	269.9	281.4	281.4	275.6
55°	178.0	175.1	172.3	175.1	175.1	166.5	172.3	166.5	172.3	172.3	169.4
57.5°	109.1	103.4	103.4	100.5	100.5	94.7	97.6	97.6	97.6	97.6	97.6
60°	63.2	60.3	57.4	57.4	57.4	54.6	54.6	54.6	54.6	54.6	54.6
62.5°	40.2	40.2	37.3	37.3	37.3	37.3	37.3	34.5	37.3	37.3	37.3
65°	34.5	31.6	31.6	31.6	31.6	28.7	28.7	28.7	28.7	28.7	28.7
67.5°	28.7	25.8	25.8	25.8	25.8	23.0	23.0	23.0	23.0	23.0	23.0
70°	23.0	20.1	20.1	20.1	20.1	20.1	17.2	20.1	20.1	17.2	17.2
72.5°	17.2	17.2	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	5.7	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	2.9	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: P212853

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2526.6	2497.9	2483.5	2512.3	2523.7	2509.4	2497.9	2477.8	2497.9	2509.4	2523.7
5°	2561.1	2535.2	2523.7	2543.8	2561.1	2546.7	2538.1	2518.0	2538.1	2546.7	2561.1
7.5°	2592.6	2566.8	2552.5	2572.5	2592.6	2572.5	2563.9	2546.7	2563.9	2572.5	2592.6
10°	2604.1	2575.4	2563.9	2581.2	2601.3	2581.2	2569.7	2558.2	2569.7	2581.2	2601.3
12.5°	2624.2	2595.5	2581.2	2595.5	2615.6	2595.5	2584.0	2575.4	2584.0	2595.5	2615.6
15°	2652.9	2627.1	2609.9	2624.2	2650.1	2627.1	2612.7	2609.9	2612.7	2627.1	2650.1
17.5°	2652.9	2632.8	2615.6	2627.1	2652.9	2635.7	2615.6	2621.4	2615.6	2635.7	2652.9
20°	2615.6	2595.5	2581.2	2581.2	2618.5	2595.5	2578.3	2586.9	2578.3	2595.5	2618.5
22.5°	2549.6	2532.4	2518.0	2515.1	2552.5	2532.4	2509.4	2526.6	2509.4	2532.4	2552.5
25°	2463.4	2446.2	2434.7	2429.0	2466.3	2443.3	2423.2	2440.5	2423.2	2443.3	2466.3
27.5°	2351.5	2337.1	2325.6	2317.0	2351.5	2331.4	2311.3	2328.5	2311.3	2331.4	2351.5
30°	2207.9	2199.3	2187.8	2176.3	2210.8	2190.7	2170.6	2193.6	2170.6	2190.7	2210.8
32.5°	2041.4	2035.6	2021.3	2009.8	2044.3	2021.3	2006.9	2024.2	2006.9	2021.3	2044.3
35°	1849.0	1840.4	1831.8	1811.7	1849.0	1828.9	1828.9	1834.7	1828.9	1828.9	1849.0
37.5°	1633.7	1627.9	1616.5	1599.2	1630.8	1616.5	1610.7	1627.9	1610.7	1616.5	1630.8
40°	1392.5	1389.6	1381.0	1360.9	1395.4	1381.0	1372.4	1395.4	1372.4	1381.0	1395.4
42.5°	1139.8	1134.1	1125.5	1122.6	1139.8	1128.4	1137.0	1137.0	1137.0	1128.4	1139.8
45°	878.6	872.8	867.1	855.6	875.7	870.0	867.1	872.8	867.1	870.0	875.7
47.5°	637.4	631.7	625.9	617.3	637.4	628.8	628.8	634.5	628.8	628.8	637.4
50°	427.8	430.7	427.8	422.1	427.8	424.9	427.8	433.5	427.8	424.9	427.8
52.5°	284.2	284.2	278.5	275.6	281.4	278.5	287.1	281.4	287.1	278.5	281.4
55°	172.3	175.1	172.3	169.4	172.3	169.4	178.0	175.1	178.0	169.4	172.3
57.5°	97.6	97.6	100.5	97.6	103.4	100.5	100.5	100.5	100.5	100.5	103.4
60°	54.6	54.6	54.6	54.6	54.6	54.6	57.4	54.6	57.4	54.6	54.6
62.5°	37.3	37.3	37.3	34.5	37.3	34.5	37.3	37.3	37.3	34.5	37.3
65°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
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°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
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	8.6
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°	2.9	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: P212853

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2512.3	2483.5	2497.9	2526.6	2486.4	2520.9	2500.8	2466.3	2466.3	2492.2	2497.9
5°	2543.8	2523.7	2535.2	2561.1	2520.9	2555.3	2532.4	2497.9	2495.0	2520.9	2529.5
7.5°	2572.5	2552.5	2566.8	2592.6	2549.6	2584.0	2563.9	2526.6	2520.9	2546.7	2555.3
10°	2581.2	2563.9	2575.4	2604.1	2561.1	2592.6	2578.3	2538.1	2535.2	2555.3	2566.8
12.5°	2595.5	2581.2	2595.5	2624.2	2581.2	2612.7	2598.4	2558.2	2552.5	2578.3	2586.9
15°	2624.2	2609.9	2627.1	2652.9	2612.7	2638.6	2624.2	2584.0	2581.2	2601.3	2612.7
17.5°	2627.1	2615.6	2632.8	2652.9	2612.7	2638.6	2627.1	2584.0	2581.2	2604.1	2612.7
20°	2581.2	2581.2	2595.5	2615.6	2572.5	2598.4	2586.9	2543.8	2543.8	2563.9	2572.5
22.5°	2515.1	2518.0	2532.4	2549.6	2506.5	2532.4	2520.9	2477.8	2480.7	2497.9	2509.4
25°	2429.0	2434.7	2446.2	2463.4	2423.2	2446.2	2429.0	2394.5	2391.7	2411.8	2426.1
27.5°	2317.0	2325.6	2337.1	2351.5	2314.1	2331.4	2319.9	2285.4	2282.6	2302.7	2317.0
30°	2176.3	2187.8	2199.3	2207.9	2173.5	2190.7	2176.3	2144.7	2144.7	2162.0	2170.6
32.5°	2009.8	2021.3	2035.6	2041.4	2006.9	2027.0	2015.5	1981.1	1981.1	1998.3	2015.5
35°	1811.7	1831.8	1840.4	1849.0	1814.6	1826.1	1831.8	1785.9	1791.6	1806.0	1828.9
37.5°	1599.2	1616.5	1627.9	1633.7	1602.1	1613.6	1616.5	1576.3	1582.0	1593.5	1619.3
40°	1360.9	1381.0	1389.6	1392.5	1369.5	1378.2	1381.0	1340.8	1349.4	1358.1	1378.2
42.5°	1122.6	1125.5	1134.1	1139.8	1119.7	1122.6	1128.4	1091.0	1102.5	1105.4	1125.5
45°	855.6	867.1	872.8	878.6	861.3	867.1	867.1	841.2	844.1	849.9	867.1
47.5°	617.3	625.9	631.7	637.4	623.0	628.8	628.8	602.9	611.6	614.4	625.9
50°	422.1	427.8	430.7	427.8	427.8	427.8	427.8	413.4	422.1	413.4	427.8
52.5°	275.6	278.5	284.2	284.2	275.6	281.4	281.4	269.9	272.8	272.8	281.4
55°	169.4	172.3	175.1	172.3	169.4	172.3	172.3	166.5	172.3	166.5	175.1
57.5°	97.6	100.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	94.7	100.5
60°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	57.4
62.5°	34.5	37.3	37.3	37.3	37.3	37.3	37.3	34.5	37.3	37.3	37.3
65°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	31.6
67.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	25.8
70°	17.2	17.2	17.2	17.2	17.2	17.2	20.1	20.1	17.2	20.1	20.1
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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7
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: P212853

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2495.0	2472.1	2472.1	2446.2	2469.2	2472.1	2443.3	2434.7	2466.3	2431.9	2449.1
5°	2518.0	2495.0	2495.0	2469.2	2486.4	2486.4	2457.7	2443.3	2474.9	2440.5	2454.8
7.5°	2546.7	2520.9	2515.1	2489.3	2503.6	2506.5	2472.1	2452.0	2483.5	2443.3	2457.7
10°	2555.3	2526.6	2523.7	2497.9	2509.4	2512.3	2472.1	2454.8	2480.7	2437.6	2446.2
12.5°	2575.4	2543.8	2543.8	2518.0	2526.6	2526.6	2486.4	2463.4	2486.4	2443.3	2449.1
15°	2598.4	2563.9	2563.9	2538.1	2543.8	2546.7	2497.9	2474.9	2495.0	2449.1	2454.8
17.5°	2598.4	2561.1	2561.1	2538.1	2541.0	2538.1	2492.2	2466.3	2480.7	2431.9	2434.7
20°	2558.2	2520.9	2526.6	2500.8	2503.6	2500.8	2452.0	2426.1	2440.5	2388.8	2394.5
22.5°	2492.2	2457.7	2463.4	2440.5	2440.5	2437.6	2391.7	2365.8	2380.2	2328.5	2331.4
25°	2408.9	2374.4	2380.2	2357.2	2360.1	2360.1	2314.1	2285.4	2299.8	2253.9	2253.9
27.5°	2299.8	2265.3	2273.9	2259.6	2251.0	2253.9	2213.7	2184.9	2199.3	2156.2	2156.2
30°	2159.1	2130.4	2139.0	2127.5	2118.9	2118.9	2084.5	2055.7	2070.1	2032.8	2029.9
32.5°	1992.6	1969.6	1978.2	1969.6	1961.0	1969.6	1932.3	1903.6	1917.9	1889.2	1892.1
35°	1811.7	1788.7	1794.5	1785.9	1780.1	1785.9	1748.5	1728.4	1742.8	1714.1	1725.6
37.5°	1610.7	1570.5	1587.7	1582.0	1576.3	1579.1	1544.7	1530.3	1547.5	1530.3	1538.9
40°	1375.3	1346.6	1358.1	1352.3	1346.6	1360.9	1335.1	1315.0	1329.3	1317.9	1335.1
42.5°	1119.7	1096.8	1111.1	1108.3	1099.6	1116.9	1096.8	1082.4	1105.4	1099.6	1114.0
45°	861.3	844.1	855.6	855.6	852.7	867.1	847.0	849.9	872.8	881.4	898.7
47.5°	623.0	597.2	611.6	620.2	620.2	634.5	623.0	634.5	660.4	677.6	691.9
50°	424.9	419.2	422.1	424.9	430.7	442.2	439.3	456.5	473.7	502.5	519.7
52.5°	281.4	275.6	281.4	284.2	290.0	301.5	301.5	321.6	341.7	367.5	387.6
55°	175.1	172.3	175.1	178.0	183.8	195.2	198.1	218.2	238.3	264.1	281.4
57.5°	100.5	103.4	103.4	109.1	112.0	120.6	129.2	140.7	163.7	189.5	206.7
60°	57.4	57.4	60.3	63.2	66.0	74.6	80.4	91.9	109.1	134.9	146.4
62.5°	37.3	37.3	40.2	40.2	43.1	48.8	54.6	66.0	80.4	100.5	112.0
65°	31.6	31.6	31.6	34.5	34.5	40.2	45.9	54.6	66.0	80.4	91.9
67.5°	25.8	25.8	25.8	28.7	28.7	31.6	37.3	43.1	51.7	63.2	71.8
70°	20.1	20.1	20.1	23.0	23.0	25.8	28.7	31.6	40.2	48.8	54.6
72.5°	14.4	14.4	17.2	17.2	17.2	20.1	23.0	25.8	31.6	37.3	40.2
75°	11.5	11.5	11.5	11.5	14.4	14.4	17.2	20.1	23.0	25.8	28.7
77.5°	5.7	5.7	8.6	8.6	8.6	11.5	11.5	14.4	17.2	20.1	20.1
80°	5.7	5.7	5.7	5.7	5.7	8.6	8.6	8.6	11.5	14.4	14.4
82.5°	2.9	2.9	2.9	2.9	2.9	5.7	5.7	5.7	8.6	8.6	8.6
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7	5.7	5.7
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: P212853

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2429.0	2437.6	2437.6	2429.0	2406.0	2426.1	2446.2	2426.1	2452.0	2406.0	2406.0
5°	2429.0	2434.7	2431.9	2420.4	2397.4	2414.6	2429.0	2408.9	2429.0	2385.9	2383.1
7.5°	2434.7	2429.0	2423.2	2408.9	2380.2	2391.7	2406.0	2383.1	2403.2	2357.2	2351.5
10°	2423.2	2414.6	2403.2	2383.1	2351.5	2360.1	2368.7	2348.6	2363.0	2317.0	2314.1
12.5°	2423.2	2408.9	2391.7	2368.7	2334.2	2340.0	2348.6	2322.8	2334.2	2291.2	2285.4
15°	2429.0	2403.2	2383.1	2357.2	2319.9	2322.8	2328.5	2299.8	2311.3	2265.3	2262.5
17.5°	2408.9	2380.2	2360.1	2328.5	2288.3	2291.2	2291.2	2262.5	2271.1	2225.1	2222.3
20°	2365.8	2331.4	2308.4	2279.7	2236.6	2236.6	2236.6	2207.9	2213.7	2173.5	2167.7
22.5°	2305.5	2268.2	2245.2	2216.5	2176.3	2173.5	2170.6	2147.6	2147.6	2110.3	2101.7
25°	2225.1	2190.7	2167.7	2141.9	2101.7	2095.9	2095.9	2075.8	2073.0	2038.5	2032.8
27.5°	2133.3	2093.1	2073.0	2050.0	2012.7	2006.9	2004.1	1992.6	1986.8	1949.5	1946.6
30°	2009.8	1975.4	1958.1	1938.0	1903.6	1897.8	1895.0	1883.5	1880.6	1843.3	1843.3
32.5°	1877.7	1834.7	1823.2	1803.1	1777.2	1774.4	1777.2	1762.9	1751.4	1725.6	1719.8
35°	1719.8	1676.8	1668.1	1659.5	1639.4	1633.7	1630.8	1627.9	1613.6	1596.4	1587.7
37.5°	1536.1	1498.7	1498.7	1495.9	1481.5	1481.5	1481.5	1475.8	1461.4	1455.7	1438.4
40°	1338.0	1309.2	1312.1	1315.0	1309.2	1312.1	1315.0	1309.2	1297.8	1292.0	1277.7
42.5°	1125.5	1111.1	1122.6	1131.2	1131.2	1139.8	1145.6	1145.6	1131.2	1128.4	1116.9
45°	913.0	910.2	933.1	950.4	956.1	970.4	979.1	973.3	973.3	973.3	961.8
47.5°	714.9	726.4	746.5	781.0	792.4	809.7	815.4	824.0	821.1	824.0	815.4
50°	542.6	568.5	594.3	628.8	646.0	666.1	674.7	686.2	686.2	689.1	683.3
52.5°	410.6	430.7	473.7	496.7	516.8	536.9	548.4	559.9	562.7	562.7	557.0
55°	304.3	333.1	361.8	393.3	410.6	430.7	439.3	450.8	450.8	456.5	450.8
57.5°	221.1	249.8	281.4	304.3	324.4	338.8	347.4	356.0	361.8	361.8	358.9
60°	163.7	186.6	212.5	235.4	252.7	267.0	272.8	281.4	284.2	284.2	278.5
62.5°	123.5	146.4	169.4	189.5	201.0	212.5	218.2	223.9	223.9	223.9	221.1
65°	100.5	117.7	134.9	152.2	163.7	172.3	175.1	180.9	178.0	180.9	178.0
67.5°	80.4	91.9	106.2	117.7	126.3	132.1	134.9	140.7	137.8	140.7	137.8
70°	60.3	71.8	80.4	89.0	94.7	100.5	103.4	106.2	103.4	106.2	103.4
72.5°	45.9	51.7	60.3	68.9	71.8	74.6	77.5	77.5	77.5	80.4	77.5
75°	31.6	37.3	43.1	45.9	51.7	54.6	54.6	57.4	57.4	57.4	57.4
77.5°	23.0	25.8	28.7	31.6	34.5	37.3	37.3	40.2	40.2	40.2	40.2
80°	14.4	17.2	17.2	20.1	23.0	23.0	25.8	25.8	25.8	25.8	25.8
82.5°	8.6	11.5	11.5	14.4	14.4	14.4	17.2	17.2	17.2	17.2	17.2
85°	5.7	5.7	5.7	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	5.7	5.7	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: P212853

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2466.3	2466.3	2466.3	2466.3
2.5°	2429.0	2414.6	2437.6	2403.2
5°	2403.2	2388.8	2417.5	2374.4
7.5°	2371.6	2357.2	2383.1	2340.0
10°	2331.4	2317.0	2340.0	2294.0
12.5°	2296.9	2282.6	2308.4	2265.3
15°	2271.1	2256.7	2279.7	2239.5
17.5°	2230.9	2213.7	2239.5	2196.4
20°	2173.5	2162.0	2182.1	2139.0
22.5°	2107.4	2095.9	2118.9	2075.8
25°	2038.5	2024.2	2047.1	2004.1
27.5°	1949.5	1938.0	1961.0	1917.9
30°	1843.3	1831.8	1854.8	1814.6
32.5°	1722.7	1711.2	1728.4	1694.0
35°	1584.9	1576.3	1593.5	1556.2
37.5°	1435.6	1427.0	1444.2	1406.9
40°	1274.8	1266.2	1280.5	1263.3
42.5°	1116.9	1108.3	1122.6	1108.3
45°	961.8	956.1	970.4	956.1
47.5°	818.3	812.5	826.9	812.5
50°	680.5	683.3	689.1	683.3
52.5°	557.0	557.0	565.6	557.0
55°	450.8	453.6	456.5	450.8
57.5°	358.9	358.9	361.8	358.9
60°	278.5	281.4	281.4	278.5
62.5°	221.1	221.1	221.1	221.1
65°	175.1	175.1	178.0	175.1
67.5°	137.8	134.9	137.8	134.9
70°	103.4	103.4	103.4	103.4
72.5°	80.4	80.4	77.5	77.5
75°	57.4	60.3	57.4	57.4
77.5°	40.2	40.2	40.2	40.2
80°	25.8	25.8	25.8	25.8
82.5°	17.2	17.2	17.2	17.2
85°	11.5	8.6	8.6	8.6
87.5°	5.7	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)