

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: P212835

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B50D010TE EU6B30508027 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4885.6 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

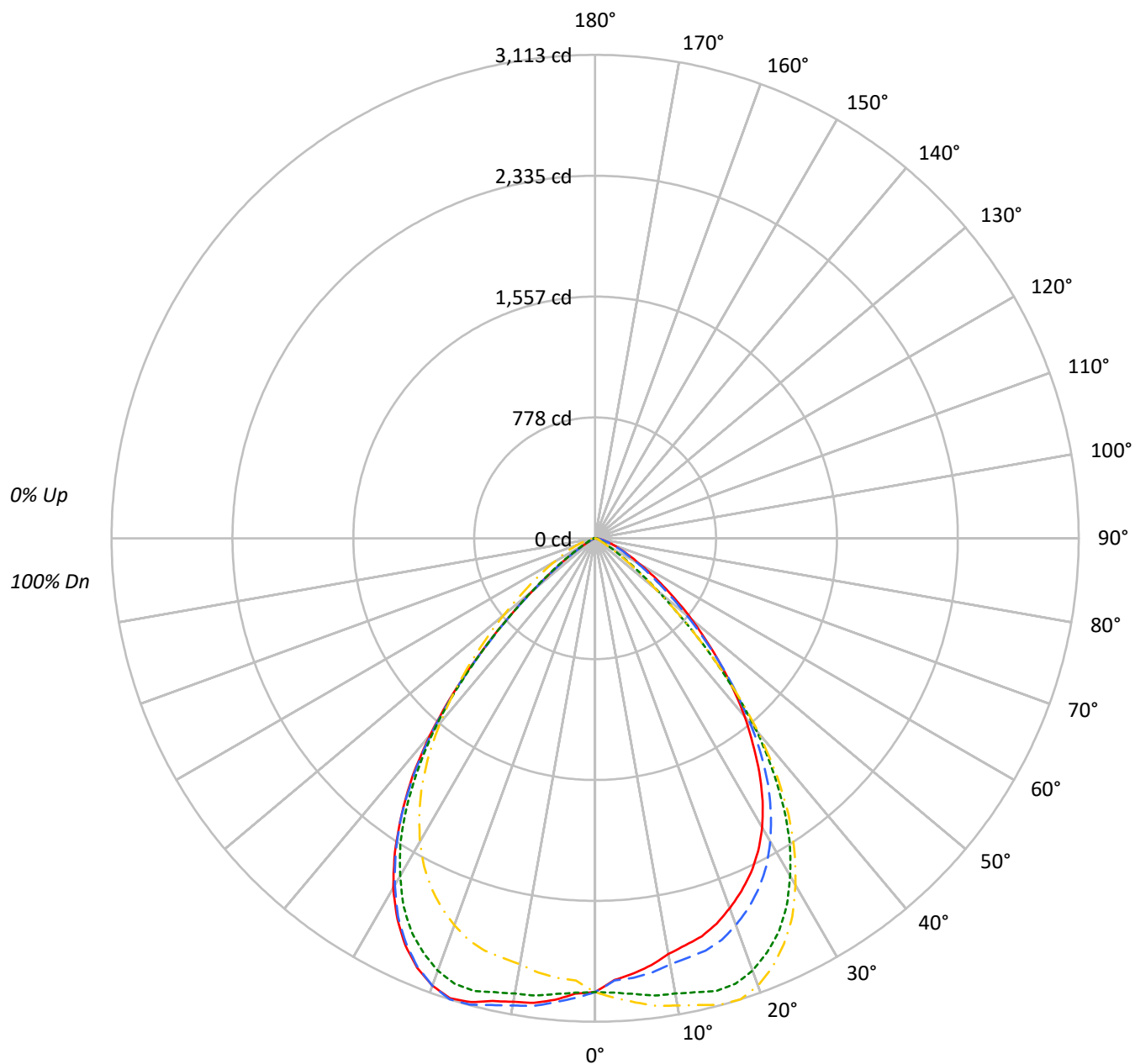
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
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°	160190	160190	160190	160190
5°	154815	162112	164175	162112
10°	151300	165695	168723	165695
15°	150591	171250	175495	171250
20°	147847	172857	178807	172857
25°	143621	169141	174899	169141
30°	136091	158917	164519	158917
35°	123393	141603	145471	141603
40°	107115	115388	118315	115388
45°	87823	79644	80171	79644
50°	69047	44681	43811	44681
55°	51047	22107	19832	22107
60°	36181	9692	7083	9692
65°	26916	6174	4410	6174
70°	19635	4905	3270	4905
75°	14403	3601	2160	3601
80°	9660	3220	1073	3220
85°	6416	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	5.7
10°-20°	828.5	17.0
20°-30°	1236.4	25.3
30°-40°	1270.3	26.0
40°-50°	822.6	16.8
50°-60°	305.9	6.3
60°-70°	100.4	2.1
70°-80°	35.4	0.7
80°-90°	6.4	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°	2344.7	48.0
0°-40°	3615.0	74.0
0°-60°	4743.5	97.1
0°-90°	4885.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4885.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2922	2922	2922	2922	2922	
5°	2813	2946	2983	2946	2813	266
15°	2653	3017	3092	3017	2653	746
25°	2374	2796	2892	2796	2374	1088
35°	1844	2116	2174	2116	1844	1145
45°	1133	1027	1034	1027	1133	876
55°	534	231	208	231	534	487
65°	208	48	34	48	208	211
75°	68	17	10	17	68	75
85°	10	3	3	3	10	13
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°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2847.3	2888.1	2860.9	2877.9	2850.7	2850.7	2905.1	2874.5	2898.3	2874.5	2850.7
5°	2813.3	2864.3	2830.3	2847.3	2823.5	2826.9	2877.9	2854.1	2877.9	2860.9	2840.5
7.5°	2772.5	2823.5	2792.9	2809.9	2786.1	2792.9	2847.3	2823.5	2850.7	2833.7	2820.1
10°	2718.0	2772.5	2745.2	2762.2	2741.8	2745.2	2799.7	2782.7	2806.5	2796.3	2786.1
12.5°	2684.0	2735.0	2704.4	2721.4	2707.8	2714.6	2765.6	2752.0	2782.7	2772.5	2765.6
15°	2653.4	2701.0	2673.8	2690.8	2680.6	2684.0	2738.4	2724.8	2758.8	2752.0	2748.6
17.5°	2602.4	2653.4	2622.8	2643.2	2633.0	2636.4	2690.8	2680.6	2714.6	2714.6	2711.2
20°	2534.3	2585.4	2561.5	2575.1	2568.3	2575.1	2622.8	2616.0	2650.0	2650.0	2650.0
22.5°	2459.5	2510.5	2483.3	2496.9	2490.1	2500.3	2544.5	2544.5	2571.7	2575.1	2578.6
25°	2374.4	2425.5	2398.3	2415.3	2408.5	2415.3	2456.1	2459.5	2483.3	2483.3	2490.1
27.5°	2272.4	2323.4	2296.2	2309.8	2306.4	2309.8	2354.0	2360.8	2374.4	2377.8	2384.6
30°	2149.9	2197.6	2170.3	2183.9	2183.9	2183.9	2228.2	2231.6	2245.2	2248.6	2255.4
32.5°	2007.1	2047.9	2027.5	2041.1	2037.7	2044.5	2075.1	2088.7	2105.7	2102.3	2105.7
35°	1843.8	1888.0	1867.6	1877.8	1881.2	1891.4	1911.8	1928.8	1932.2	1935.6	1942.4
37.5°	1666.9	1711.1	1690.7	1700.9	1704.3	1724.7	1731.5	1748.5	1755.3	1755.3	1755.3
40°	1496.8	1517.2	1500.2	1510.4	1513.8	1530.8	1537.6	1551.2	1558.0	1554.6	1551.2
42.5°	1313.1	1330.1	1313.1	1323.3	1323.3	1336.9	1340.3	1357.3	1357.3	1350.5	1340.3
45°	1132.8	1149.8	1132.8	1139.6	1139.6	1153.2	1153.2	1153.2	1160.0	1149.8	1132.8
47.5°	962.7	979.7	962.7	969.5	966.1	976.3	972.9	976.3	966.1	959.3	938.9
50°	809.6	816.4	809.6	806.2	809.6	816.4	813.0	813.0	799.4	789.2	765.4
52.5°	659.9	670.2	659.9	659.9	659.9	666.7	666.7	663.3	649.7	636.1	612.3
55°	534.1	540.9	537.5	534.1	534.1	540.9	534.1	534.1	520.5	510.3	486.5
57.5°	425.2	428.6	425.2	425.2	425.2	428.6	428.6	421.8	411.6	401.4	384.4
60°	330.0	333.4	333.4	330.0	330.0	336.8	336.8	333.4	323.2	316.4	299.4
62.5°	261.9	261.9	261.9	261.9	261.9	265.3	265.3	265.3	258.5	251.7	238.1
65°	207.5	210.9	207.5	207.5	210.9	214.3	210.9	214.3	207.5	204.1	193.9
67.5°	159.9	163.3	159.9	163.3	163.3	166.7	163.3	166.7	159.9	156.5	149.7
70°	122.5	122.5	122.5	122.5	122.5	125.9	122.5	125.9	122.5	119.1	112.3
72.5°	91.8	91.8	95.2	95.2	91.8	95.2	91.8	91.8	91.8	88.4	85.0
75°	68.0	68.0	71.4	68.0	68.0	68.0	68.0	68.0	64.6	64.6	61.2
77.5°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	44.2	44.2	40.8
80°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	27.2	27.2
82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.0	17.0
85°	10.2	10.2	10.2	13.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	6.8	3.4	3.4	6.8	6.8	3.4	3.4	3.4
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°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2877.9	2888.1	2888.1	2877.9	2901.7	2881.3	2922.1	2884.7	2894.9	2928.9	2925.5
5°	2867.7	2881.3	2884.7	2877.9	2908.5	2891.5	2932.3	2894.9	2911.9	2945.9	2945.9
7.5°	2854.1	2871.1	2877.9	2884.7	2911.9	2894.9	2942.5	2905.1	2928.9	2969.8	2966.4
10°	2823.5	2847.3	2860.9	2871.1	2898.3	2888.1	2939.1	2908.5	2928.9	2976.6	2973.2
12.5°	2806.5	2833.7	2854.1	2871.1	2901.7	2894.9	2945.9	2918.7	2945.9	2993.6	2993.6
15°	2792.9	2823.5	2847.3	2877.9	2908.5	2901.7	2956.1	2932.3	2959.6	3017.4	3014.0
17.5°	2758.8	2796.3	2820.1	2854.1	2884.7	2881.3	2939.1	2922.1	2952.7	3007.2	3010.6
20°	2701.0	2735.0	2762.2	2803.1	2837.1	2830.3	2891.5	2874.5	2905.1	2963.0	2966.4
22.5°	2626.2	2660.2	2687.4	2731.6	2762.2	2758.8	2820.1	2803.1	2833.7	2888.1	2891.5
25°	2537.7	2568.3	2595.6	2636.4	2670.4	2670.4	2724.8	2707.8	2741.8	2796.3	2796.3
27.5°	2428.9	2456.1	2479.9	2527.5	2554.7	2554.7	2605.8	2588.8	2622.8	2670.4	2667.0
30°	2296.2	2320.0	2340.4	2381.2	2405.1	2408.5	2452.7	2435.7	2469.7	2510.5	2510.5
32.5°	2136.3	2160.1	2173.7	2224.8	2241.8	2238.4	2272.4	2255.4	2289.4	2333.6	2323.4
35°	1966.2	1976.4	1986.6	2037.7	2044.5	2030.9	2064.9	2047.9	2071.7	2115.9	2109.1
37.5°	1772.3	1775.7	1775.7	1820.0	1823.4	1813.1	1833.6	1813.1	1830.2	1871.0	1867.6
40°	1558.0	1554.6	1551.2	1585.2	1581.8	1561.4	1575.0	1558.0	1581.8	1612.4	1595.4
42.5°	1340.3	1330.1	1316.5	1333.5	1319.9	1302.9	1309.7	1282.5	1299.5	1323.3	1302.9
45°	1126.0	1105.6	1078.4	1081.8	1064.8	1044.3	1034.1	1006.9	1003.5	1027.3	1010.3
47.5°	925.3	884.5	860.7	847.0	819.8	802.8	782.4	751.8	738.2	751.8	734.8
50°	745.0	704.2	673.6	642.9	615.7	595.3	561.3	540.9	520.5	523.9	510.3
52.5°	588.5	561.3	510.3	486.5	459.2	435.4	404.8	381.0	357.2	357.2	343.6
55°	466.0	428.6	394.6	360.6	333.4	313.0	282.3	258.5	234.7	231.3	217.7
57.5°	360.6	333.4	296.0	261.9	244.9	224.5	193.9	166.7	153.1	142.9	132.7
60°	278.9	251.7	221.1	193.9	173.5	159.9	129.3	108.9	95.2	88.4	78.2
62.5°	224.5	200.7	173.5	146.3	132.7	119.1	95.2	78.2	64.6	57.8	51.0
65°	180.3	159.9	139.5	119.1	108.9	95.2	78.2	64.6	54.4	47.6	40.8
67.5°	139.5	125.9	108.9	95.2	85.0	74.8	61.2	51.0	44.2	37.4	34.0
70°	105.5	95.2	85.0	71.4	64.6	57.8	47.6	37.4	34.0	30.6	27.2
72.5°	81.6	71.4	61.2	54.4	47.6	44.2	37.4	30.6	27.2	23.8	20.4
75°	54.4	51.0	44.2	37.4	34.0	30.6	27.2	23.8	20.4	17.0	17.0
77.5°	37.4	34.0	30.6	27.2	23.8	23.8	20.4	17.0	13.6	13.6	10.2
80°	23.8	20.4	20.4	17.0	17.0	17.0	13.6	10.2	10.2	10.2	6.8
82.5°	17.0	13.6	13.6	10.2	10.2	10.2	10.2	6.8	6.8	6.8	3.4
85°	10.2	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2898.3	2928.9	2928.9	2956.1	2959.6	2952.7	2922.1	2922.1	2963.0	2986.8	2945.9
5°	2925.5	2956.1	2956.1	2983.4	2997.0	2986.8	2956.1	2959.6	3000.4	3027.6	2986.8
7.5°	2949.3	2980.0	2986.8	3017.4	3027.6	3017.4	2986.8	2993.6	3037.8	3061.6	3020.8
10°	2959.6	2990.2	2993.6	3027.6	3041.2	3027.6	3003.8	3007.2	3054.8	3071.8	3034.4
12.5°	2983.4	3014.0	3014.0	3051.4	3065.0	3054.8	3024.2	3031.0	3078.6	3095.6	3058.2
15°	3007.2	3037.8	3037.8	3078.6	3095.6	3082.0	3058.2	3061.6	3109.2	3126.2	3095.6
17.5°	3007.2	3034.4	3034.4	3078.6	3095.6	3085.4	3058.2	3061.6	3112.6	3126.2	3095.6
20°	2963.0	2993.6	2986.8	3031.0	3048.0	3037.8	3014.0	3014.0	3065.0	3078.6	3048.0
22.5°	2891.5	2918.7	2911.9	2952.7	2973.2	2959.6	2939.1	2935.7	2986.8	3000.4	2969.8
25°	2792.9	2820.1	2813.3	2854.1	2874.5	2857.5	2833.7	2837.1	2877.9	2898.3	2871.1
27.5°	2677.2	2694.2	2684.0	2724.8	2745.2	2728.2	2704.4	2707.8	2748.6	2762.2	2741.8
30°	2520.7	2534.3	2524.1	2558.1	2571.7	2561.5	2541.1	2541.1	2578.6	2595.6	2575.1
32.5°	2333.6	2343.8	2333.6	2360.8	2388.1	2367.6	2347.2	2347.2	2388.1	2401.7	2377.8
35°	2115.9	2126.1	2119.3	2146.5	2166.9	2139.7	2122.7	2115.9	2170.3	2163.5	2149.9
37.5°	1874.4	1881.2	1860.8	1908.4	1918.6	1888.0	1874.4	1867.6	1915.2	1911.8	1898.2
40°	1602.2	1609.0	1595.4	1629.5	1632.9	1609.0	1598.8	1588.6	1636.3	1632.9	1622.7
42.5°	1313.1	1316.5	1299.5	1326.7	1333.5	1309.7	1306.3	1292.7	1336.9	1330.1	1326.7
45°	1013.7	1013.7	1000.1	1020.5	1027.3	1006.9	1000.1	996.7	1027.3	1027.3	1020.5
47.5°	734.8	724.6	707.6	738.2	741.6	728.0	724.6	714.4	745.0	745.0	738.2
50°	503.5	500.1	496.7	503.5	506.9	489.9	500.1	489.9	506.9	506.9	506.9
52.5°	336.8	333.4	326.6	333.4	333.4	323.2	323.2	319.8	333.4	333.4	326.6
55°	210.9	207.5	204.1	207.5	207.5	197.3	204.1	197.3	204.1	204.1	200.7
57.5°	129.3	122.5	122.5	119.1	119.1	112.3	115.7	115.7	115.7	115.7	115.7
60°	74.8	71.4	68.0	68.0	68.0	64.6	64.6	64.6	64.6	64.6	64.6
62.5°	47.6	47.6	44.2	44.2	44.2	44.2	44.2	40.8	44.2	44.2	44.2
65°	40.8	37.4	37.4	37.4	37.4	34.0	34.0	34.0	34.0	34.0	34.0
67.5°	34.0	30.6	30.6	30.6	30.6	27.2	27.2	27.2	27.2	27.2	27.2
70°	27.2	23.8	23.8	23.8	23.8	23.8	20.4	23.8	23.8	20.4	20.4
72.5°	20.4	20.4	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	13.6	13.6	13.6	13.6	13.6	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	10.2	10.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	3.4	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: P212835

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2993.6	2959.6	2942.5	2976.6	2990.2	2973.2	2959.6	2935.7	2959.6	2973.2	2990.2
5°	3034.4	3003.8	2990.2	3014.0	3034.4	3017.4	3007.2	2983.4	3007.2	3017.4	3034.4
7.5°	3071.8	3041.2	3024.2	3048.0	3071.8	3048.0	3037.8	3017.4	3037.8	3048.0	3071.8
10°	3085.4	3051.4	3037.8	3058.2	3082.0	3058.2	3044.6	3031.0	3044.6	3058.2	3082.0
12.5°	3109.2	3075.2	3058.2	3075.2	3099.0	3075.2	3061.6	3051.4	3061.6	3075.2	3099.0
15°	3143.2	3112.6	3092.2	3109.2	3139.8	3112.6	3095.6	3092.2	3095.6	3112.6	3139.8
17.5°	3143.2	3119.4	3099.0	3112.6	3143.2	3122.8	3099.0	3105.8	3099.0	3122.8	3143.2
20°	3099.0	3075.2	3058.2	3058.2	3102.4	3075.2	3054.8	3065.0	3054.8	3075.2	3102.4
22.5°	3020.8	3000.4	2983.4	2980.0	3024.2	3000.4	2973.2	2993.6	2973.2	3000.4	3024.2
25°	2918.7	2898.3	2884.7	2877.9	2922.1	2894.9	2871.1	2891.5	2871.1	2894.9	2922.1
27.5°	2786.1	2769.1	2755.4	2745.2	2786.1	2762.2	2738.4	2758.8	2738.4	2762.2	2786.1
30°	2616.0	2605.8	2592.2	2578.6	2619.4	2595.6	2571.7	2599.0	2571.7	2595.6	2619.4
32.5°	2418.7	2411.9	2394.9	2381.2	2422.1	2394.9	2377.8	2398.3	2377.8	2394.9	2422.1
35°	2190.7	2180.5	2170.3	2146.5	2190.7	2166.9	2166.9	2173.7	2166.9	2166.9	2190.7
37.5°	1935.6	1928.8	1915.2	1894.8	1932.2	1915.2	1908.4	1928.8	1908.4	1915.2	1932.2
40°	1649.9	1646.5	1636.3	1612.4	1653.3	1636.3	1626.1	1653.3	1626.1	1636.3	1653.3
42.5°	1350.5	1343.7	1333.5	1330.1	1350.5	1336.9	1347.1	1347.1	1347.1	1336.9	1350.5
45°	1040.9	1034.1	1027.3	1013.7	1037.5	1030.7	1027.3	1034.1	1027.3	1030.7	1037.5
47.5°	755.2	748.4	741.6	731.4	755.2	745.0	745.0	751.8	745.0	745.0	755.2
50°	506.9	510.3	506.9	500.1	506.9	503.5	506.9	513.7	506.9	503.5	506.9
52.5°	336.8	336.8	330.0	326.6	333.4	330.0	340.2	333.4	340.2	330.0	333.4
55°	204.1	207.5	204.1	200.7	204.1	200.7	210.9	207.5	210.9	200.7	204.1
57.5°	115.7	115.7	119.1	115.7	122.5	119.1	119.1	119.1	119.1	119.1	122.5
60°	64.6	64.6	64.6	64.6	64.6	64.6	68.0	64.6	68.0	64.6	64.6
62.5°	44.2	44.2	44.2	40.8	44.2	40.8	44.2	44.2	44.2	40.8	44.2
65°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
67.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
70°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P212835

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2976.6	2942.5	2959.6	2993.6	2945.9	2986.8	2963.0	2922.1	2922.1	2952.7	2959.6
5°	3014.0	2990.2	3003.8	3034.4	2986.8	3027.6	3000.4	2959.6	2956.1	2986.8	2997.0
7.5°	3048.0	3024.2	3041.2	3071.8	3020.8	3061.6	3037.8	2993.6	2986.8	3017.4	3027.6
10°	3058.2	3037.8	3051.4	3085.4	3034.4	3071.8	3054.8	3007.2	3003.8	3027.6	3041.2
12.5°	3075.2	3058.2	3075.2	3109.2	3058.2	3095.6	3078.6	3031.0	3024.2	3054.8	3065.0
15°	3109.2	3092.2	3112.6	3143.2	3095.6	3126.2	3109.2	3061.6	3058.2	3082.0	3095.6
17.5°	3112.6	3099.0	3119.4	3143.2	3095.6	3126.2	3112.6	3061.6	3058.2	3085.4	3095.6
20°	3058.2	3058.2	3075.2	3099.0	3048.0	3078.6	3065.0	3014.0	3014.0	3037.8	3048.0
22.5°	2980.0	2983.4	3000.4	3020.8	2969.8	3000.4	2986.8	2935.7	2939.1	2959.6	2973.2
25°	2877.9	2884.7	2898.3	2918.7	2871.1	2898.3	2877.9	2837.1	2833.7	2857.5	2874.5
27.5°	2745.2	2755.4	2769.1	2786.1	2741.8	2762.2	2748.6	2707.8	2704.4	2728.2	2745.2
30°	2578.6	2592.2	2605.8	2616.0	2575.1	2595.6	2578.6	2541.1	2541.1	2561.5	2571.7
32.5°	2381.2	2394.9	2411.9	2418.7	2377.8	2401.7	2388.1	2347.2	2347.2	2367.6	2388.1
35°	2146.5	2170.3	2180.5	2190.7	2149.9	2163.5	2170.3	2115.9	2122.7	2139.7	2166.9
37.5°	1894.8	1915.2	1928.8	1935.6	1898.2	1911.8	1915.2	1867.6	1874.4	1888.0	1918.6
40°	1612.4	1636.3	1646.5	1649.9	1622.7	1632.9	1636.3	1588.6	1598.8	1609.0	1632.9
42.5°	1330.1	1333.5	1343.7	1350.5	1326.7	1330.1	1336.9	1292.7	1306.3	1309.7	1333.5
45°	1013.7	1027.3	1034.1	1040.9	1020.5	1027.3	1027.3	996.7	1000.1	1006.9	1027.3
47.5°	731.4	741.6	748.4	755.2	738.2	745.0	745.0	714.4	724.6	728.0	741.6
50°	500.1	506.9	510.3	506.9	506.9	506.9	506.9	489.9	500.1	489.9	506.9
52.5°	326.6	330.0	336.8	336.8	326.6	333.4	333.4	319.8	323.2	323.2	333.4
55°	200.7	204.1	207.5	204.1	200.7	204.1	204.1	197.3	204.1	197.3	207.5
57.5°	115.7	119.1	115.7	115.7	115.7	115.7	115.7	115.7	115.7	112.3	119.1
60°	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	68.0
62.5°	40.8	44.2	44.2	44.2	44.2	44.2	44.2	40.8	44.2	44.2	44.2
65°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	37.4
67.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	30.6
70°	20.4	20.4	20.4	20.4	20.4	20.4	23.8	23.8	20.4	23.8	23.8
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.6
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0	3.4
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: P212835

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2956.1	2928.9	2928.9	2898.3	2925.5	2928.9	2894.9	2884.7	2922.1	2881.3	2901.7
5°	2983.4	2956.1	2956.1	2925.5	2945.9	2945.9	2911.9	2894.9	2932.3	2891.5	2908.5
7.5°	3017.4	2986.8	2980.0	2949.3	2966.4	2969.8	2928.9	2905.1	2942.5	2894.9	2911.9
10°	3027.6	2993.6	2990.2	2959.6	2973.2	2976.6	2928.9	2908.5	2939.1	2888.1	2898.3
12.5°	3051.4	3014.0	3014.0	2983.4	2993.6	2993.6	2945.9	2918.7	2945.9	2894.9	2901.7
15°	3078.6	3037.8	3037.8	3007.2	3014.0	3017.4	2959.6	2932.3	2956.1	2901.7	2908.5
17.5°	3078.6	3034.4	3034.4	3007.2	3010.6	3007.2	2952.7	2922.1	2939.1	2881.3	2884.7
20°	3031.0	2986.8	2993.6	2963.0	2966.4	2963.0	2905.1	2874.5	2891.5	2830.3	2837.1
22.5°	2952.7	2911.9	2918.7	2891.5	2891.5	2888.1	2833.7	2803.1	2820.1	2758.8	2762.2
25°	2854.1	2813.3	2820.1	2792.9	2796.3	2796.3	2741.8	2707.8	2724.8	2670.4	2670.4
27.5°	2724.8	2684.0	2694.2	2677.2	2667.0	2670.4	2622.8	2588.8	2605.8	2554.7	2554.7
30°	2558.1	2524.1	2534.3	2520.7	2510.5	2510.5	2469.7	2435.7	2452.7	2408.5	2405.1
32.5°	2360.8	2333.6	2343.8	2333.6	2323.4	2333.6	2289.4	2255.4	2272.4	2238.4	2241.8
35°	2146.5	2119.3	2126.1	2115.9	2109.1	2115.9	2071.7	2047.9	2064.9	2030.9	2044.5
37.5°	1908.4	1860.8	1881.2	1874.4	1867.6	1871.0	1830.2	1813.1	1833.6	1813.1	1823.4
40°	1629.5	1595.4	1609.0	1602.2	1595.4	1612.4	1581.8	1558.0	1575.0	1561.4	1581.8
42.5°	1326.7	1299.5	1316.5	1313.1	1302.9	1323.3	1299.5	1282.5	1309.7	1302.9	1319.9
45°	1020.5	1000.1	1013.7	1013.7	1010.3	1027.3	1003.5	1006.9	1034.1	1044.3	1064.8
47.5°	738.2	707.6	724.6	734.8	734.8	751.8	738.2	751.8	782.4	802.8	819.8
50°	503.5	496.7	500.1	503.5	510.3	523.9	520.5	540.9	561.3	595.3	615.7
52.5°	333.4	326.6	333.4	336.8	343.6	357.2	357.2	381.0	404.8	435.4	459.2
55°	207.5	204.1	207.5	210.9	217.7	231.3	234.7	258.5	282.3	313.0	333.4
57.5°	119.1	122.5	122.5	129.3	132.7	142.9	153.1	166.7	193.9	224.5	244.9
60°	68.0	68.0	71.4	74.8	78.2	88.4	95.2	108.9	129.3	159.9	173.5
62.5°	44.2	44.2	47.6	47.6	51.0	57.8	64.6	78.2	95.2	119.1	132.7
65°	37.4	37.4	37.4	40.8	40.8	47.6	54.4	64.6	78.2	95.2	108.9
67.5°	30.6	30.6	30.6	34.0	34.0	37.4	44.2	51.0	61.2	74.8	85.0
70°	23.8	23.8	23.8	27.2	27.2	30.6	34.0	37.4	47.6	57.8	64.6
72.5°	17.0	17.0	20.4	20.4	20.4	23.8	27.2	30.6	37.4	44.2	47.6
75°	13.6	13.6	13.6	13.6	17.0	17.0	20.4	23.8	27.2	30.6	34.0
77.5°	6.8	6.8	10.2	10.2	10.2	13.6	13.6	17.0	20.4	23.8	23.8
80°	6.8	6.8	6.8	6.8	6.8	10.2	10.2	10.2	13.6	17.0	17.0
82.5°	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8	10.2	10.2	10.2
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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: P212835

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1	2922.1
2.5°	2877.9	2888.1	2888.1	2877.9	2850.7	2874.5	2898.3	2874.5	2905.1	2850.7	2850.7
5°	2877.9	2884.7	2881.3	2867.7	2840.5	2860.9	2877.9	2854.1	2877.9	2826.9	2823.5
7.5°	2884.7	2877.9	2871.1	2854.1	2820.1	2833.7	2850.7	2823.5	2847.3	2792.9	2786.1
10°	2871.1	2860.9	2847.3	2823.5	2786.1	2796.3	2806.5	2782.7	2799.7	2745.2	2741.8
12.5°	2871.1	2854.1	2833.7	2806.5	2765.6	2772.5	2782.7	2752.0	2765.6	2714.6	2707.8
15°	2877.9	2847.3	2823.5	2792.9	2748.6	2752.0	2758.8	2724.8	2738.4	2684.0	2680.6
17.5°	2854.1	2820.1	2796.3	2758.8	2711.2	2714.6	2714.6	2680.6	2690.8	2636.4	2633.0
20°	2803.1	2762.2	2735.0	2701.0	2650.0	2650.0	2650.0	2616.0	2622.8	2575.1	2568.3
22.5°	2731.6	2687.4	2660.2	2626.2	2578.6	2575.1	2571.7	2544.5	2544.5	2500.3	2490.1
25°	2636.4	2595.6	2568.3	2537.7	2490.1	2483.3	2483.3	2459.5	2456.1	2415.3	2408.5
27.5°	2527.5	2479.9	2456.1	2428.9	2384.6	2377.8	2374.4	2360.8	2354.0	2309.8	2306.4
30°	2381.2	2340.4	2320.0	2296.2	2255.4	2248.6	2245.2	2231.6	2228.2	2183.9	2183.9
32.5°	2224.8	2173.7	2160.1	2136.3	2105.7	2102.3	2105.7	2088.7	2075.1	2044.5	2037.7
35°	2037.7	1986.6	1976.4	1966.2	1942.4	1935.6	1932.2	1928.8	1911.8	1891.4	1881.2
37.5°	1820.0	1775.7	1775.7	1772.3	1755.3	1755.3	1755.3	1748.5	1731.5	1724.7	1704.3
40°	1585.2	1551.2	1554.6	1558.0	1551.2	1554.6	1558.0	1551.2	1537.6	1530.8	1513.8
42.5°	1333.5	1316.5	1330.1	1340.3	1340.3	1350.5	1357.3	1357.3	1340.3	1336.9	1323.3
45°	1081.8	1078.4	1105.6	1126.0	1132.8	1149.8	1160.0	1153.2	1153.2	1153.2	1139.6
47.5°	847.0	860.7	884.5	925.3	938.9	959.3	966.1	976.3	972.9	976.3	966.1
50°	642.9	673.6	704.2	745.0	765.4	789.2	799.4	813.0	813.0	816.4	809.6
52.5°	486.5	510.3	561.3	588.5	612.3	636.1	649.7	663.3	666.7	666.7	659.9
55°	360.6	394.6	428.6	466.0	486.5	510.3	520.5	534.1	534.1	540.9	534.1
57.5°	261.9	296.0	333.4	360.6	384.4	401.4	411.6	421.8	428.6	428.6	425.2
60°	193.9	221.1	251.7	278.9	299.4	316.4	323.2	333.4	336.8	336.8	330.0
62.5°	146.3	173.5	200.7	224.5	238.1	251.7	258.5	265.3	265.3	265.3	261.9
65°	119.1	139.5	159.9	180.3	193.9	204.1	207.5	214.3	210.9	214.3	210.9
67.5°	95.2	108.9	125.9	139.5	149.7	156.5	159.9	166.7	163.3	166.7	163.3
70°	71.4	85.0	95.2	105.5	112.3	119.1	122.5	125.9	122.5	125.9	122.5
72.5°	54.4	61.2	71.4	81.6	85.0	88.4	91.8	91.8	91.8	95.2	91.8
75°	37.4	44.2	51.0	54.4	61.2	64.6	64.6	68.0	68.0	68.0	68.0
77.5°	27.2	30.6	34.0	37.4	40.8	44.2	44.2	47.6	47.6	47.6	47.6
80°	17.0	20.4	20.4	23.8	27.2	27.2	30.6	30.6	30.6	30.6	30.6
82.5°	10.2	13.6	13.6	17.0	17.0	17.0	20.4	20.4	20.4	20.4	20.4
85°	6.8	6.8	6.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
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: P212835

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2922.1	2922.1	2922.1	2922.1
2.5°	2877.9	2860.9	2888.1	2847.3
5°	2847.3	2830.3	2864.3	2813.3
7.5°	2809.9	2792.9	2823.5	2772.5
10°	2762.2	2745.2	2772.5	2718.0
12.5°	2721.4	2704.4	2735.0	2684.0
15°	2690.8	2673.8	2701.0	2653.4
17.5°	2643.2	2622.8	2653.4	2602.4
20°	2575.1	2561.5	2585.4	2534.3
22.5°	2496.9	2483.3	2510.5	2459.5
25°	2415.3	2398.3	2425.5	2374.4
27.5°	2309.8	2296.2	2323.4	2272.4
30°	2183.9	2170.3	2197.6	2149.9
32.5°	2041.1	2027.5	2047.9	2007.1
35°	1877.8	1867.6	1888.0	1843.8
37.5°	1700.9	1690.7	1711.1	1666.9
40°	1510.4	1500.2	1517.2	1496.8
42.5°	1323.3	1313.1	1330.1	1313.1
45°	1139.6	1132.8	1149.8	1132.8
47.5°	969.5	962.7	979.7	962.7
50°	806.2	809.6	816.4	809.6
52.5°	659.9	659.9	670.2	659.9
55°	534.1	537.5	540.9	534.1
57.5°	425.2	425.2	428.6	425.2
60°	330.0	333.4	333.4	330.0
62.5°	261.9	261.9	261.9	261.9
65°	207.5	207.5	210.9	207.5
67.5°	163.3	159.9	163.3	159.9
70°	122.5	122.5	122.5	122.5
72.5°	95.2	95.2	91.8	91.8
75°	68.0	71.4	68.0	68.0
77.5°	47.6	47.6	47.6	47.6
80°	30.6	30.6	30.6	30.6
82.5°	20.4	20.4	20.4	20.4
85°	13.6	10.2	10.2	10.2
87.5°	6.8	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)