

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: P212868

Luminaire Tested: **LD6B70D010TE EU6B60709030 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212868  
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: LD6B70D010TE EU6B60709030 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5783.9 lumens  
Efficiency: N/A  
Efficacy: 72.8 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

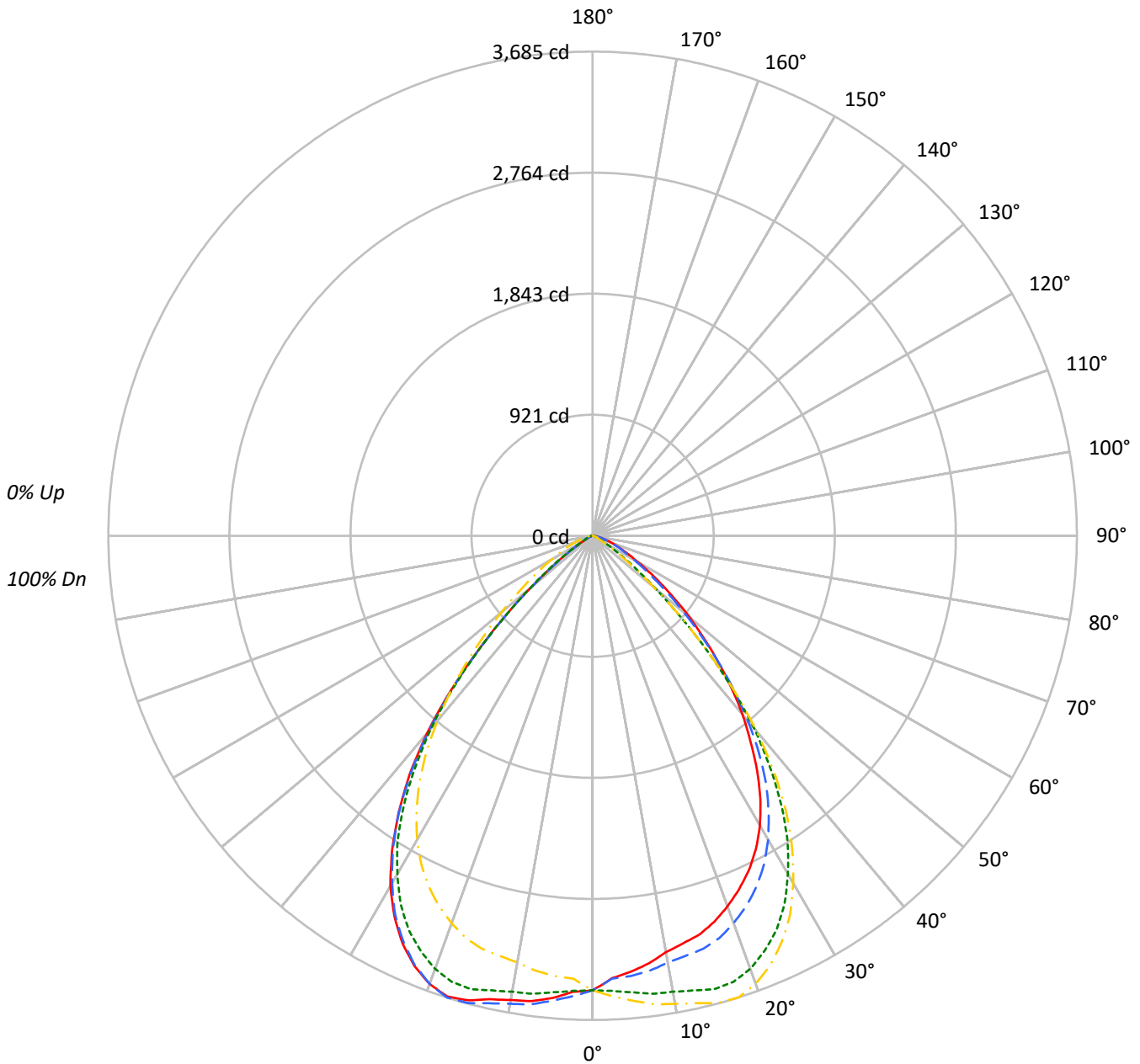
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	70	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°	189645	189645	189645	189645
5°	183276	191921	194359	191921
10°	179122	196155	199746	196155
15°	178281	202737	207765	202737
20°	175033	204634	211687	204634
25°	170030	200237	207060	200237
30°	161113	188137	194764	188137
35°	146080	167642	172220	167642
40°	126809	136606	140062	136606
45°	103972	94289	94917	94289
50°	81746	52894	51862	52894
55°	60433	26178	23483	26178
60°	42826	11479	8387	11479
65°	31871	7316	5228	7316
70°	23241	5802	3879	5802
75°	17051	4257	2563	4257
80°	11428	3820	1263	3820
85°	7611	2516	2516	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.2	5.7
10°-20°	980.9	17.0
20°-30°	1463.7	25.3
30°-40°	1503.9	26.0
40°-50°	973.9	16.8
50°-60°	362.1	6.3
60°-70°	118.8	2.1
70°-80°	41.9	0.7
80°-90°	7.5	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°	2775.8	48.0
0°-40°	4279.6	74.0
0°-60°	5615.6	97.1
0°-90°	5783.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5783.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3459	3459	3459	3459	3459	
5°	3330	3488	3532	3488	3330	315
15°	3141	3572	3661	3572	3141	883
25°	2811	3310	3423	3310	2811	1288
35°	2183	2505	2573	2505	2183	1355
45°	1341	1216	1224	1216	1341	1037
55°	632	274	246	274	632	576
65°	246	56	40	56	246	250
75°	80	20	12	20	80	89
85°	12	4	4	4	12	16
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°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3370.8	3419.1	3386.9	3407.1	3374.8	3374.8	3439.3	3403.0	3431.2	3403.0	3374.8
5°	3330.5	3390.9	3350.7	3370.8	3342.6	3346.7	3407.1	3378.9	3407.1	3386.9	3362.8
7.5°	3282.2	3342.6	3306.4	3326.5	3298.3	3306.4	3370.8	3342.6	3374.8	3354.7	3338.6
10°	3217.8	3282.2	3250.0	3270.1	3246.0	3250.0	3314.4	3294.3	3322.5	3310.4	3298.3
12.5°	3177.5	3237.9	3201.7	3221.8	3205.7	3213.8	3274.2	3258.1	3294.3	3282.2	3274.2
15°	3141.3	3197.6	3165.4	3185.6	3173.5	3177.5	3241.9	3225.8	3266.1	3258.1	3254.0
17.5°	3080.9	3141.3	3105.0	3129.2	3117.1	3121.1	3185.6	3173.5	3213.8	3213.8	3209.7
20°	3000.3	3060.7	3032.5	3048.6	3040.6	3048.6	3105.0	3097.0	3137.2	3137.2	3137.2
22.5°	2911.7	2972.1	2939.9	2956.0	2948.0	2960.0	3012.4	3012.4	3044.6	3048.6	3052.7
25°	2811.0	2871.4	2839.2	2859.4	2851.3	2859.4	2907.7	2911.7	2939.9	2939.9	2948.0
27.5°	2690.2	2750.6	2718.4	2734.5	2730.5	2734.5	2786.9	2794.9	2811.0	2815.1	2823.1
30°	2545.2	2601.6	2569.4	2585.5	2585.5	2585.5	2637.9	2641.9	2658.0	2662.0	2670.1
32.5°	2376.1	2424.4	2400.2	2416.4	2412.3	2420.4	2456.6	2472.7	2492.9	2488.8	2492.9
35°	2182.8	2235.1	2211.0	2223.0	2227.1	2239.2	2263.3	2283.5	2287.5	2291.5	2299.6
37.5°	1973.4	2025.7	2001.5	2013.6	2017.7	2041.8	2049.9	2070.0	2078.1	2078.1	2078.1
40°	1772.0	1796.2	1776.0	1788.1	1792.1	1812.3	1820.3	1836.4	1844.5	1840.5	1836.4
42.5°	1554.5	1574.7	1554.5	1566.6	1566.6	1582.7	1586.7	1606.9	1606.9	1598.8	1586.7
45°	1341.1	1361.2	1341.1	1349.1	1349.1	1365.2	1365.2	1365.2	1373.3	1361.2	1341.1
47.5°	1139.7	1159.8	1139.7	1147.8	1143.7	1155.8	1151.8	1155.8	1143.7	1135.7	1111.5
50°	958.5	966.5	958.5	954.5	958.5	966.5	962.5	962.5	946.4	934.3	906.1
52.5°	781.3	793.4	781.3	781.3	781.3	789.3	789.3	785.3	769.2	753.1	724.9
55°	632.3	640.3	636.3	632.3	632.3	640.3	632.3	632.3	616.2	604.1	575.9
57.5°	503.4	507.4	503.4	503.4	503.4	507.4	507.4	499.4	487.3	475.2	455.1
60°	390.6	394.7	394.7	390.6	390.6	398.7	398.7	394.7	382.6	374.5	354.4
62.5°	310.1	310.1	310.1	310.1	310.1	314.1	314.1	314.1	306.1	298.0	281.9
65°	245.7	249.7	245.7	245.7	249.7	253.7	249.7	253.7	245.7	241.6	229.6
67.5°	189.3	193.3	189.3	193.3	193.3	197.3	193.3	197.3	189.3	185.3	177.2
70°	145.0	145.0	145.0	145.0	145.0	149.0	145.0	149.0	145.0	141.0	132.9
72.5°	108.7	108.7	112.8	112.8	108.7	112.8	108.7	108.7	108.7	104.7	100.7
75°	80.5	80.5	84.6	80.5	80.5	80.5	80.5	80.5	76.5	76.5	72.5
77.5°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	52.4	52.4	48.3
80°	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	32.2	32.2
82.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	20.1	20.1
85°	12.1	12.1	12.1	16.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
87.5°	4.0	4.0	4.0	8.1	4.0	4.0	8.1	8.1	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3407.1	3419.1	3419.1	3407.1	3435.2	3411.1	3459.4	3415.1	3427.2	3467.5	3463.4
5°	3395.0	3411.1	3415.1	3407.1	3443.3	3423.2	3471.5	3427.2	3447.3	3487.6	3487.6
7.5°	3378.9	3399.0	3407.1	3415.1	3447.3	3427.2	3483.6	3439.3	3467.5	3515.8	3511.8
10°	3342.6	3370.8	3386.9	3399.0	3431.2	3419.1	3479.5	3443.3	3467.5	3523.8	3519.8
12.5°	3322.5	3354.7	3378.9	3399.0	3435.2	3427.2	3487.6	3455.4	3487.6	3544.0	3544.0
15°	3306.4	3342.6	3370.8	3407.1	3443.3	3435.2	3499.7	3471.5	3503.7	3572.2	3568.1
17.5°	3266.1	3310.4	3338.6	3378.9	3415.1	3411.1	3479.5	3459.4	3495.7	3560.1	3564.1
20°	3197.6	3237.9	3270.1	3318.5	3358.7	3350.7	3423.2	3403.0	3439.3	3507.7	3511.8
22.5°	3109.0	3149.3	3181.5	3233.9	3270.1	3266.1	3338.6	3318.5	3354.7	3419.1	3423.2
25°	3004.3	3040.6	3072.8	3121.1	3161.4	3161.4	3225.8	3205.7	3246.0	3310.4	3310.4
27.5°	2875.5	2907.7	2935.9	2992.3	3024.5	3024.5	3084.9	3064.7	3105.0	3161.4	3157.4
30°	2718.4	2746.6	2770.8	2819.1	2847.3	2851.3	2903.7	2883.5	2923.8	2972.1	2972.1
32.5°	2529.1	2557.3	2573.4	2633.8	2654.0	2649.9	2690.2	2670.1	2710.3	2762.7	2750.6
35°	2327.8	2339.8	2351.9	2412.3	2420.4	2404.3	2444.5	2424.4	2452.6	2505.0	2496.9
37.5°	2098.2	2102.2	2102.2	2154.6	2158.6	2146.5	2170.7	2146.5	2166.7	2215.0	2211.0
40°	1844.5	1840.5	1836.4	1876.7	1872.7	1848.5	1864.6	1844.5	1872.7	1908.9	1888.8
42.5°	1586.7	1574.7	1558.5	1578.7	1562.6	1542.4	1550.5	1518.3	1538.4	1566.6	1542.4
45°	1333.0	1308.9	1276.6	1280.7	1260.5	1236.4	1224.3	1192.1	1188.0	1216.2	1196.1
47.5°	1095.4	1047.1	1018.9	1002.8	970.6	950.4	926.3	890.0	873.9	890.0	869.9
50°	882.0	833.6	797.4	761.2	728.9	704.8	664.5	640.3	616.2	620.2	604.1
52.5°	696.7	664.5	604.1	575.9	543.7	515.5	479.2	451.1	422.9	422.9	406.8
55°	551.7	507.4	467.2	426.9	394.7	370.5	334.3	306.1	277.9	273.9	257.7
57.5°	426.9	394.7	350.4	310.1	290.0	265.8	229.6	197.3	181.2	169.1	157.1
60°	330.2	298.0	261.8	229.6	205.4	189.3	153.0	128.9	112.8	104.7	92.6
62.5°	265.8	237.6	205.4	173.2	157.1	141.0	112.8	92.6	76.5	68.5	60.4
65°	213.4	189.3	165.1	141.0	128.9	112.8	92.6	76.5	64.4	56.4	48.3
67.5°	165.1	149.0	128.9	112.8	100.7	88.6	72.5	60.4	52.4	44.3	40.3
70°	124.8	112.8	100.7	84.6	76.5	68.5	56.4	44.3	40.3	36.2	32.2
72.5°	96.7	84.6	72.5	64.4	56.4	52.4	44.3	36.2	32.2	28.2	24.2
75°	64.4	60.4	52.4	44.3	40.3	36.2	32.2	28.2	24.2	20.1	20.1
77.5°	44.3	40.3	36.2	32.2	28.2	28.2	24.2	20.1	16.1	16.1	12.1
80°	28.2	24.2	24.2	20.1	20.1	20.1	16.1	12.1	12.1	12.1	8.1
82.5°	20.1	16.1	16.1	12.1	12.1	12.1	12.1	8.1	8.1	8.1	4.0
85°	12.1	8.1	8.1	8.1	8.1	8.1	8.1	4.0	4.0	4.0	4.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3431.2	3467.5	3467.5	3499.7	3503.7	3495.7	3459.4	3459.4	3507.7	3535.9	3487.6
5°	3463.4	3499.7	3499.7	3531.9	3548.0	3535.9	3499.7	3503.7	3552.0	3584.3	3535.9
7.5°	3491.6	3527.9	3535.9	3572.2	3584.3	3572.2	3535.9	3544.0	3596.3	3624.5	3576.2
10°	3503.7	3540.0	3544.0	3584.3	3600.4	3584.3	3556.1	3560.1	3616.5	3636.6	3592.3
12.5°	3531.9	3568.1	3568.1	3612.4	3628.6	3616.5	3580.2	3588.3	3644.7	3664.8	3620.5
15°	3560.1	3596.3	3596.3	3644.7	3664.8	3648.7	3620.5	3624.5	3680.9	3701.0	3664.8
17.5°	3560.1	3592.3	3592.3	3644.7	3664.8	3652.7	3620.5	3624.5	3684.9	3701.0	3664.8
20°	3507.7	3544.0	3535.9	3588.3	3608.4	3596.3	3568.1	3568.1	3628.6	3644.7	3608.4
22.5°	3423.2	3455.4	3447.3	3495.7	3519.8	3503.7	3479.5	3475.5	3535.9	3552.0	3515.8
25°	3306.4	3338.6	3330.5	3378.9	3403.0	3382.9	3354.7	3358.7	3407.1	3431.2	3399.0
27.5°	3169.5	3189.6	3177.5	3225.8	3250.0	3229.9	3201.7	3205.7	3254.0	3270.1	3246.0
30°	2984.2	3000.3	2988.2	3028.5	3044.6	3032.5	3008.4	3008.4	3052.7	3072.8	3048.6
32.5°	2762.7	2774.8	2762.7	2794.9	2827.1	2803.0	2778.8	2778.8	2827.1	2843.2	2815.1
35°	2505.0	2517.0	2509.0	2541.2	2565.4	2533.1	2513.0	2505.0	2569.4	2561.3	2545.2
37.5°	2219.0	2227.1	2202.9	2259.3	2271.4	2235.1	2219.0	2211.0	2267.3	2263.3	2247.2
40°	1896.8	1904.9	1888.8	1929.1	1933.1	1904.9	1892.8	1880.7	1937.1	1933.1	1921.0
42.5°	1554.5	1558.5	1538.4	1570.6	1578.7	1550.5	1546.5	1530.4	1582.7	1574.7	1570.6
45°	1200.1	1200.1	1184.0	1208.2	1216.2	1192.1	1184.0	1180.0	1216.2	1216.2	1208.2
47.5°	869.9	857.8	837.7	873.9	877.9	861.8	857.8	845.7	882.0	882.0	873.9
50°	596.0	592.0	588.0	596.0	600.1	579.9	592.0	579.9	600.1	600.1	600.1
52.5°	398.7	394.7	386.6	394.7	394.7	382.6	382.6	378.6	394.7	394.7	386.6
55°	249.7	245.7	241.6	245.7	245.7	233.6	241.6	233.6	241.6	241.6	237.6
57.5°	153.0	145.0	145.0	141.0	141.0	132.9	136.9	136.9	136.9	136.9	136.9
60°	88.6	84.6	80.5	80.5	80.5	76.5	76.5	76.5	76.5	76.5	76.5
62.5°	56.4	56.4	52.4	52.4	52.4	52.4	52.4	48.3	52.4	52.4	52.4
65°	48.3	44.3	44.3	44.3	44.3	40.3	40.3	40.3	40.3	40.3	40.3
67.5°	40.3	36.2	36.2	36.2	36.2	32.2	32.2	32.2	32.2	32.2	32.2
70°	32.2	28.2	28.2	28.2	28.2	28.2	24.2	28.2	28.2	24.2	24.2
72.5°	24.2	24.2	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
75°	16.1	16.1	16.1	16.1	16.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	12.1	12.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	4.0	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	4.0	4.0	4.0	4.0	4.0	0.0	4.0	0.0	4.0	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: P212868

CATALOG NUMBER: LD6B70D010TE EU6B60709030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3544.0	3503.7	3483.6	3523.8	3540.0	3519.8	3503.7	3475.5	3503.7	3519.8	3540.0
5°	3592.3	3556.1	3540.0	3568.1	3592.3	3572.2	3560.1	3531.9	3560.1	3572.2	3592.3
7.5°	3636.6	3600.4	3580.2	3608.4	3636.6	3608.4	3596.3	3572.2	3596.3	3608.4	3636.6
10°	3652.7	3612.4	3596.3	3620.5	3648.7	3620.5	3604.4	3588.3	3604.4	3620.5	3648.7
12.5°	3680.9	3640.6	3620.5	3640.6	3668.8	3640.6	3624.5	3612.4	3624.5	3640.6	3668.8
15°	3721.2	3684.9	3660.8	3680.9	3717.2	3684.9	3664.8	3660.8	3664.8	3684.9	3717.2
17.5°	3721.2	3693.0	3668.8	3684.9	3721.2	3697.0	3668.8	3676.9	3668.8	3697.0	3721.2
20°	3668.8	3640.6	3620.5	3620.5	3672.9	3640.6	3616.5	3628.6	3616.5	3640.6	3672.9
22.5°	3576.2	3552.0	3531.9	3527.9	3580.2	3552.0	3519.8	3544.0	3519.8	3552.0	3580.2
25°	3455.4	3431.2	3415.1	3407.1	3459.4	3427.2	3399.0	3423.2	3399.0	3427.2	3459.4
27.5°	3298.3	3278.2	3262.1	3250.0	3298.3	3270.1	3241.9	3266.1	3241.9	3270.1	3298.3
30°	3097.0	3084.9	3068.8	3052.7	3101.0	3072.8	3044.6	3076.8	3044.6	3072.8	3101.0
32.5°	2863.4	2855.3	2835.2	2819.1	2867.4	2835.2	2815.1	2839.2	2815.1	2835.2	2867.4
35°	2593.6	2581.5	2569.4	2541.2	2593.6	2565.4	2565.4	2573.4	2565.4	2565.4	2593.6
37.5°	2291.5	2283.5	2267.3	2243.2	2287.5	2267.3	2259.3	2283.5	2259.3	2267.3	2287.5
40°	1953.2	1949.2	1937.1	1908.9	1957.2	1937.1	1925.0	1957.2	1925.0	1937.1	1957.2
42.5°	1598.8	1590.8	1578.7	1574.7	1598.8	1582.7	1594.8	1594.8	1594.8	1582.7	1598.8
45°	1232.3	1224.3	1216.2	1200.1	1228.3	1220.3	1216.2	1224.3	1216.2	1220.3	1228.3
47.5°	894.1	886.0	877.9	865.9	894.1	882.0	882.0	890.0	882.0	882.0	894.1
50°	600.1	604.1	600.1	592.0	600.1	596.0	600.1	608.1	600.1	596.0	600.1
52.5°	398.7	398.7	390.6	386.6	394.7	390.6	402.7	394.7	402.7	390.6	394.7
55°	241.6	245.7	241.6	237.6	241.6	237.6	249.7	245.7	249.7	237.6	241.6
57.5°	136.9	136.9	141.0	136.9	145.0	141.0	141.0	141.0	141.0	141.0	145.0
60°	76.5	76.5	76.5	76.5	76.5	76.5	80.5	76.5	80.5	76.5	76.5
62.5°	52.4	52.4	52.4	48.3	52.4	48.3	52.4	52.4	52.4	48.3	52.4
65°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
67.5°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
70°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
72.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
75°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212868

CATALOG NUMBER: LD6B70D010TE EU6B60709030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3523.8	3483.6	3503.7	3544.0	3487.6	3535.9	3507.7	3459.4	3459.4	3495.7	3503.7
5°	3568.1	3540.0	3556.1	3592.3	3535.9	3584.3	3552.0	3503.7	3499.7	3535.9	3548.0
7.5°	3608.4	3580.2	3600.4	3636.6	3576.2	3624.5	3596.3	3544.0	3535.9	3572.2	3584.3
10°	3620.5	3596.3	3612.4	3652.7	3592.3	3636.6	3616.5	3560.1	3556.1	3584.3	3600.4
12.5°	3640.6	3620.5	3640.6	3680.9	3620.5	3664.8	3644.7	3588.3	3580.2	3616.5	3628.6
15°	3680.9	3660.8	3684.9	3721.2	3664.8	3701.0	3680.9	3624.5	3620.5	3648.7	3664.8
17.5°	3684.9	3668.8	3693.0	3721.2	3664.8	3701.0	3684.9	3624.5	3620.5	3652.7	3664.8
20°	3620.5	3620.5	3640.6	3668.8	3608.4	3644.7	3628.6	3568.1	3568.1	3596.3	3608.4
22.5°	3527.9	3531.9	3552.0	3576.2	3515.8	3552.0	3535.9	3475.5	3479.5	3503.7	3519.8
25°	3407.1	3415.1	3431.2	3455.4	3399.0	3431.2	3407.1	3358.7	3354.7	3382.9	3403.0
27.5°	3250.0	3262.1	3278.2	3298.3	3246.0	3270.1	3254.0	3205.7	3201.7	3229.9	3250.0
30°	3052.7	3068.8	3084.9	3097.0	3048.6	3072.8	3052.7	3008.4	3008.4	3032.5	3044.6
32.5°	2819.1	2835.2	2855.3	2863.4	2815.1	2843.2	2827.1	2778.8	2778.8	2803.0	2827.1
35°	2541.2	2569.4	2581.5	2593.6	2545.2	2561.3	2569.4	2505.0	2513.0	2533.1	2565.4
37.5°	2243.2	2267.3	2283.5	2291.5	2247.2	2263.3	2267.3	2211.0	2219.0	2235.1	2271.4
40°	1908.9	1937.1	1949.2	1953.2	1921.0	1933.1	1937.1	1880.7	1892.8	1904.9	1933.1
42.5°	1574.7	1578.7	1590.8	1598.8	1570.6	1574.7	1582.7	1530.4	1546.5	1550.5	1578.7
45°	1200.1	1216.2	1224.3	1232.3	1208.2	1216.2	1216.2	1180.0	1184.0	1192.1	1216.2
47.5°	865.9	877.9	886.0	894.1	873.9	882.0	882.0	845.7	857.8	861.8	877.9
50°	592.0	600.1	604.1	600.1	600.1	600.1	600.1	579.9	592.0	579.9	600.1
52.5°	386.6	390.6	398.7	398.7	386.6	394.7	394.7	378.6	382.6	382.6	394.7
55°	237.6	241.6	245.7	241.6	237.6	241.6	241.6	233.6	241.6	233.6	245.7
57.5°	136.9	141.0	136.9	136.9	136.9	136.9	136.9	136.9	136.9	132.9	141.0
60°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	80.5
62.5°	48.3	52.4	52.4	52.4	52.4	52.4	52.4	48.3	52.4	52.4	52.4
65°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	44.3
67.5°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	36.2
70°	24.2	24.2	24.2	24.2	24.2	24.2	28.2	28.2	24.2	28.2	28.2
72.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
75°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.1
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0	4.0
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: P212868

CATALOG NUMBER: LD6B70D010TE EU6B60709030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3499.7	3467.5	3467.5	3431.2	3463.4	3467.5	3427.2	3415.1	3459.4	3411.1	3435.2
5°	3531.9	3499.7	3499.7	3463.4	3487.6	3487.6	3447.3	3427.2	3471.5	3423.2	3443.3
7.5°	3572.2	3535.9	3527.9	3491.6	3511.8	3515.8	3467.5	3439.3	3483.6	3427.2	3447.3
10°	3584.3	3544.0	3540.0	3503.7	3519.8	3523.8	3467.5	3443.3	3479.5	3419.1	3431.2
12.5°	3612.4	3568.1	3568.1	3531.9	3544.0	3544.0	3487.6	3455.4	3487.6	3427.2	3435.2
15°	3644.7	3596.3	3596.3	3560.1	3568.1	3572.2	3503.7	3471.5	3499.7	3435.2	3443.3
17.5°	3644.7	3592.3	3592.3	3560.1	3564.1	3560.1	3495.7	3459.4	3479.5	3411.1	3415.1
20°	3588.3	3535.9	3544.0	3507.7	3511.8	3507.7	3439.3	3403.0	3423.2	3350.7	3358.7
22.5°	3495.7	3447.3	3455.4	3423.2	3423.2	3419.1	3354.7	3318.5	3338.6	3266.1	3270.1
25°	3378.9	3330.5	3338.6	3306.4	3310.4	3310.4	3246.0	3205.7	3225.8	3161.4	3161.4
27.5°	3225.8	3177.5	3189.6	3169.5	3157.4	3161.4	3105.0	3064.7	3084.9	3024.5	3024.5
30°	3028.5	2988.2	3000.3	2984.2	2972.1	2972.1	2923.8	2883.5	2903.7	2851.3	2847.3
32.5°	2794.9	2762.7	2774.8	2762.7	2750.6	2762.7	2710.3	2670.1	2690.2	2649.9	2654.0
35°	2541.2	2509.0	2517.0	2505.0	2496.9	2505.0	2452.6	2424.4	2444.5	2404.3	2420.4
37.5°	2259.3	2202.9	2227.1	2219.0	2211.0	2215.0	2166.7	2146.5	2170.7	2146.5	2158.6
40°	1929.1	1888.8	1904.9	1896.8	1888.8	1908.9	1872.7	1844.5	1864.6	1848.5	1872.7
42.5°	1570.6	1538.4	1558.5	1554.5	1542.4	1566.6	1538.4	1518.3	1550.5	1542.4	1562.6
45°	1208.2	1184.0	1200.1	1200.1	1196.1	1216.2	1188.0	1192.1	1224.3	1236.4	1260.5
47.5°	873.9	837.7	857.8	869.9	869.9	890.0	873.9	890.0	926.3	950.4	970.6
50°	596.0	588.0	592.0	596.0	604.1	620.2	616.2	640.3	664.5	704.8	728.9
52.5°	394.7	386.6	394.7	398.7	406.8	422.9	422.9	451.1	479.2	515.5	543.7
55°	245.7	241.6	245.7	249.7	257.7	273.9	277.9	306.1	334.3	370.5	394.7
57.5°	141.0	145.0	145.0	153.0	157.1	169.1	181.2	197.3	229.6	265.8	290.0
60°	80.5	80.5	84.6	88.6	92.6	104.7	112.8	128.9	153.0	189.3	205.4
62.5°	52.4	52.4	56.4	56.4	60.4	68.5	76.5	92.6	112.8	141.0	157.1
65°	44.3	44.3	44.3	48.3	48.3	56.4	64.4	76.5	92.6	112.8	128.9
67.5°	36.2	36.2	36.2	40.3	40.3	44.3	52.4	60.4	72.5	88.6	100.7
70°	28.2	28.2	28.2	32.2	32.2	36.2	40.3	44.3	56.4	68.5	76.5
72.5°	20.1	20.1	24.2	24.2	24.2	28.2	32.2	36.2	44.3	52.4	56.4
75°	16.1	16.1	16.1	16.1	20.1	20.1	24.2	28.2	32.2	36.2	40.3
77.5°	8.1	8.1	12.1	12.1	12.1	16.1	16.1	20.1	24.2	28.2	28.2
80°	8.1	8.1	8.1	8.1	8.1	12.1	12.1	12.1	16.1	20.1	20.1
82.5°	4.0	4.0	4.0	4.0	4.0	8.1	8.1	8.1	12.1	12.1	12.1
85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.1	8.1	8.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.0	4.0
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: P212868

CATALOG NUMBER: LD6B70D010TE EU6B60709030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4	3459.4
2.5°	3407.1	3419.1	3419.1	3407.1	3374.8	3403.0	3431.2	3403.0	3439.3	3374.8	3374.8
5°	3407.1	3415.1	3411.1	3395.0	3362.8	3386.9	3407.1	3378.9	3407.1	3346.7	3342.6
7.5°	3415.1	3407.1	3399.0	3378.9	3338.6	3354.7	3374.8	3342.6	3370.8	3306.4	3298.3
10°	3399.0	3386.9	3370.8	3342.6	3298.3	3310.4	3322.5	3294.3	3314.4	3250.0	3246.0
12.5°	3399.0	3378.9	3354.7	3322.5	3274.2	3282.2	3294.3	3258.1	3274.2	3213.8	3205.7
15°	3407.1	3370.8	3342.6	3306.4	3254.0	3258.1	3266.1	3225.8	3241.9	3177.5	3173.5
17.5°	3378.9	3338.6	3310.4	3266.1	3209.7	3213.8	3213.8	3173.5	3185.6	3121.1	3117.1
20°	3318.5	3270.1	3237.9	3197.6	3137.2	3137.2	3137.2	3097.0	3105.0	3048.6	3040.6
22.5°	3233.9	3181.5	3149.3	3109.0	3052.7	3048.6	3044.6	3012.4	3012.4	2960.0	2948.0
25°	3121.1	3072.8	3040.6	3004.3	2948.0	2939.9	2939.9	2911.7	2907.7	2859.4	2851.3
27.5°	2992.3	2935.9	2907.7	2875.5	2823.1	2815.1	2811.0	2794.9	2786.9	2734.5	2730.5
30°	2819.1	2770.8	2746.6	2718.4	2670.1	2662.0	2658.0	2641.9	2637.9	2585.5	2585.5
32.5°	2633.8	2573.4	2557.3	2529.1	2492.9	2488.8	2492.9	2472.7	2456.6	2420.4	2412.3
35°	2412.3	2351.9	2339.8	2327.8	2299.6	2291.5	2287.5	2283.5	2263.3	2239.2	2227.1
37.5°	2154.6	2102.2	2102.2	2098.2	2078.1	2078.1	2078.1	2070.0	2049.9	2041.8	2017.7
40°	1876.7	1836.4	1840.5	1844.5	1836.4	1840.5	1844.5	1836.4	1820.3	1812.3	1792.1
42.5°	1578.7	1558.5	1574.7	1586.7	1586.7	1598.8	1606.9	1606.9	1586.7	1582.7	1566.6
45°	1280.7	1276.6	1308.9	1333.0	1341.1	1361.2	1373.3	1365.2	1365.2	1365.2	1349.1
47.5°	1002.8	1018.9	1047.1	1095.4	1111.5	1135.7	1143.7	1155.8	1151.8	1155.8	1143.7
50°	761.2	797.4	833.6	882.0	906.1	934.3	946.4	962.5	962.5	966.5	958.5
52.5°	575.9	604.1	664.5	696.7	724.9	753.1	769.2	785.3	789.3	789.3	781.3
55°	426.9	467.2	507.4	551.7	575.9	604.1	616.2	632.3	632.3	640.3	632.3
57.5°	310.1	350.4	394.7	426.9	455.1	475.2	487.3	499.4	507.4	507.4	503.4
60°	229.6	261.8	298.0	330.2	354.4	374.5	382.6	394.7	398.7	398.7	390.6
62.5°	173.2	205.4	237.6	265.8	281.9	298.0	306.1	314.1	314.1	314.1	310.1
65°	141.0	165.1	189.3	213.4	229.6	241.6	245.7	253.7	249.7	253.7	249.7
67.5°	112.8	128.9	149.0	165.1	177.2	185.3	189.3	197.3	193.3	197.3	193.3
70°	84.6	100.7	112.8	124.8	132.9	141.0	145.0	149.0	145.0	149.0	145.0
72.5°	64.4	72.5	84.6	96.7	100.7	104.7	108.7	108.7	108.7	112.8	108.7
75°	44.3	52.4	60.4	64.4	72.5	76.5	76.5	80.5	80.5	80.5	80.5
77.5°	32.2	36.2	40.3	44.3	48.3	52.4	52.4	56.4	56.4	56.4	56.4
80°	20.1	24.2	24.2	28.2	32.2	32.2	36.2	36.2	36.2	36.2	36.2
82.5°	12.1	16.1	16.1	20.1	20.1	20.1	24.2	24.2	24.2	24.2	24.2
85°	8.1	8.1	8.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.1	8.1	4.0	4.0
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: P212868

CATALOG NUMBER: LD6B70D010TE EU6B60709030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3459.4	3459.4	3459.4	3459.4
2.5°	3407.1	3386.9	3419.1	3370.8
5°	3370.8	3350.7	3390.9	3330.5
7.5°	3326.5	3306.4	3342.6	3282.2
10°	3270.1	3250.0	3282.2	3217.8
12.5°	3221.8	3201.7	3237.9	3177.5
15°	<i>3185.6</i>	<i>3165.4</i>	<i>3197.6</i>	<i>3141.3</i>
17.5°	3129.2	3105.0	3141.3	3080.9
20°	3048.6	3032.5	3060.7	3000.3
22.5°	2956.0	2939.9	2972.1	2911.7
25°	2859.4	2839.2	2871.4	2811.0
27.5°	2734.5	2718.4	2750.6	2690.2
30°	2585.5	2569.4	2601.6	2545.2
32.5°	2416.4	2400.2	2424.4	2376.1
35°	2223.0	2211.0	2235.1	2182.8
37.5°	2013.6	2001.5	2025.7	1973.4
40°	1788.1	1776.0	1796.2	1772.0
42.5°	1566.6	1554.5	1574.7	1554.5
45°	1349.1	1341.1	1361.2	1341.1
47.5°	1147.8	1139.7	1159.8	1139.7
50°	954.5	958.5	966.5	958.5
52.5°	781.3	781.3	793.4	781.3
55°	632.3	636.3	640.3	632.3
57.5°	503.4	503.4	507.4	503.4
60°	390.6	394.7	394.7	390.6
62.5°	310.1	310.1	310.1	310.1
65°	245.7	245.7	249.7	245.7
67.5°	193.3	189.3	193.3	189.3
70°	145.0	145.0	145.0	145.0
72.5°	112.8	112.8	108.7	108.7
75°	80.5	84.6	80.5	80.5
77.5°	56.4	56.4	56.4	56.4
80°	36.2	36.2	36.2	36.2
82.5°	24.2	24.2	24.2	24.2
85°	16.1	12.1	12.1	12.1
87.5°	8.1	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)