

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: P212863

Luminaire Tested: **LD6B70D010TE EU6B60708035 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212863  
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 EU6B60708035 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6946.1 lumens  
Efficiency: N/A  
Efficacy: 87.4 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

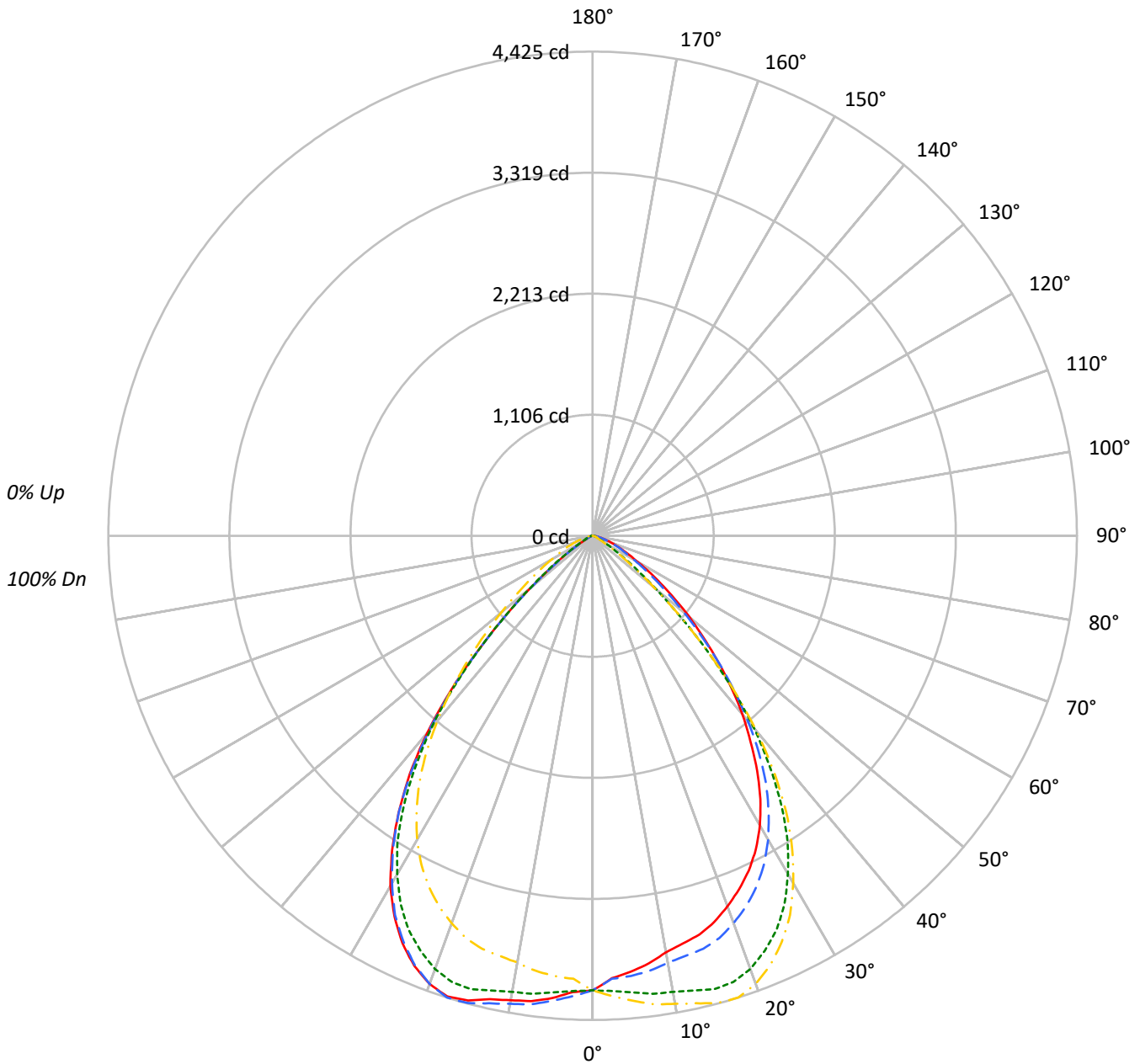
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82				82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54				54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42				42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38				38

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	227750	227750	227750	227750
5°	220107	230486	233413	230486
10°	215115	235572	239881	235572
15°	214105	243475	249513	243475
20°	210205	245756	254221	245756
25°	204199	240474	248664	240474
30°	193492	225940	233903	225940
35°	175432	201325	206826	201325
40°	152292	164057	168208	164057
45°	124866	113237	113989	113237
50°	98172	63520	62284	63520
55°	72571	31435	28195	31435
60°	51432	13782	10076	13782
65°	38266	8782	6278	8782
70°	27905	6972	4648	6972
75°	20482	5126	3071	5126
80°	13733	4578	1515	4578
85°	9120	3019	3019	3019



TEST NUMBER: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.7	5.7
10°-20°	1177.9	17.0
20°-30°	1757.9	25.3
30°-40°	1806.1	26.0
40°-50°	1169.6	16.8
50°-60°	434.9	6.3
60°-70°	142.7	2.1
70°-80°	50.3	0.7
80°-90°	9.0	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°	3333.5	48.0
0°-40°	5139.6	74.0
0°-60°	6744.0	97.1
0°-90°	6946.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6946.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4154	4154	4154	4154	4154	
5°	4000	4188	4242	4188	4000	378
15°	3772	4290	4396	4290	3772	1061
25°	3376	3976	4111	3976	3376	1547
35°	2621	3008	3090	3008	2621	1628
45°	1611	1461	1470	1461	1611	1245
55°	759	329	295	329	759	692
65°	295	68	48	68	295	300
75°	97	24	14	24	97	106
85°	14	5	5	5	14	19
90°	0	0	0	0	0	



TEST NUMBER: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4048.1	4106.2	4067.5	4091.7	4053.0	4053.0	4130.4	4086.8	4120.7	4086.8	4053.0
5°	3999.8	4072.3	4024.0	4048.1	4014.3	4019.1	4091.7	4057.8	4091.7	4067.5	4038.5
7.5°	3941.7	4014.3	3970.8	3994.9	3961.1	3970.8	4048.1	4014.3	4053.0	4028.8	4009.5
10°	3864.4	3941.7	3903.1	3927.2	3898.2	3903.1	3980.4	3956.3	3990.1	3975.6	3961.1
12.5°	3816.0	3888.5	3845.0	3869.2	3849.9	3859.5	3932.1	3912.7	3956.3	3941.7	3932.1
15°	3772.5	3840.2	3801.5	3825.7	3811.2	3816.0	3893.4	3874.0	3922.4	3912.7	3907.9
17.5°	3699.9	3772.5	3728.9	3758.0	3743.4	3748.3	3825.7	3811.2	3859.5	3859.5	3854.7
20°	3603.2	3675.7	3641.9	3661.2	3651.6	3661.2	3728.9	3719.3	3767.6	3767.6	3767.6
22.5°	3496.8	3569.3	3530.6	3550.0	3540.3	3554.8	3617.7	3617.7	3656.4	3661.2	3666.1
25°	3375.9	3448.4	3409.7	3433.9	3424.2	3433.9	3491.9	3496.8	3530.6	3530.6	3540.3
27.5°	3230.8	3303.3	3264.6	3284.0	3279.1	3284.0	3346.9	3356.5	3375.9	3380.7	3390.4
30°	3056.7	3124.4	3085.7	3105.0	3105.0	3105.0	3167.9	3172.7	3192.1	3196.9	3206.6
32.5°	2853.5	2911.6	2882.6	2901.9	2897.1	2906.7	2950.3	2969.6	2993.8	2989.0	2993.8
35°	2621.4	2684.3	2655.2	2669.7	2674.6	2689.1	2718.1	2742.3	2747.1	2752.0	2761.6
37.5°	2369.9	2432.8	2403.7	2418.2	2423.1	2452.1	2461.8	2486.0	2495.6	2495.6	2495.6
40°	2128.1	2157.1	2132.9	2147.4	2152.2	2176.4	2186.1	2205.4	2215.1	2210.3	2205.4
42.5°	1866.9	1891.1	1866.9	1881.4	1881.4	1900.7	1905.6	1929.8	1929.8	1920.1	1905.6
45°	1610.6	1634.7	1610.6	1620.2	1620.2	1639.6	1639.6	1639.6	1649.2	1634.7	1610.6
47.5°	1368.7	1392.9	1368.7	1378.4	1373.6	1388.1	1383.2	1388.1	1373.6	1363.9	1334.9
50°	1151.1	1160.8	1151.1	1146.2	1151.1	1160.8	1155.9	1155.9	1136.6	1122.1	1088.2
52.5°	938.3	952.8	938.3	938.3	938.3	948.0	948.0	943.1	923.8	904.4	870.6
55°	759.3	769.0	764.2	759.3	759.3	769.0	759.3	759.3	740.0	725.5	691.6
57.5°	604.6	609.4	604.6	604.6	604.6	609.4	609.4	599.7	585.2	570.7	546.5
60°	469.1	474.0	474.0	469.1	469.1	478.8	478.8	474.0	459.5	449.8	425.6
62.5°	372.4	372.4	372.4	372.4	372.4	377.2	377.2	377.2	367.6	357.9	338.6
65°	295.0	299.9	295.0	295.0	299.9	304.7	299.9	304.7	295.0	290.2	275.7
67.5°	227.3	232.2	227.3	232.2	232.2	237.0	232.2	237.0	227.3	222.5	212.8
70°	174.1	174.1	174.1	174.1	174.1	179.0	174.1	179.0	174.1	169.3	159.6
72.5°	130.6	130.6	135.4	135.4	130.6	135.4	130.6	130.6	130.6	125.7	120.9
75°	96.7	96.7	101.6	96.7	96.7	96.7	96.7	96.7	91.9	91.9	87.1
77.5°	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	62.9	62.9	58.0
80°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	38.7	38.7
82.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	24.2	24.2
85°	14.5	14.5	14.5	19.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5
87.5°	4.8	4.8	4.8	9.7	4.8	4.8	9.7	9.7	4.8	4.8	4.8
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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4091.7	4106.2	4106.2	4091.7	4125.5	4096.5	4154.5	4101.3	4115.9	4164.2	4159.4
5°	4077.2	4096.5	4101.3	4091.7	4135.2	4111.0	4169.1	4115.9	4140.0	4188.4	4188.4
7.5°	4057.8	4082.0	4091.7	4101.3	4140.0	4115.9	4183.6	4130.4	4164.2	4222.3	4217.4
10°	4014.3	4048.1	4067.5	4082.0	4120.7	4106.2	4178.7	4135.2	4164.2	4231.9	4227.1
12.5°	3990.1	4028.8	4057.8	4082.0	4125.5	4115.9	4188.4	4149.7	4188.4	4256.1	4256.1
15°	3970.8	4014.3	4048.1	4091.7	4135.2	4125.5	4202.9	4169.1	4207.8	4290.0	4285.1
17.5°	3922.4	3975.6	4009.5	4057.8	4101.3	4096.5	4178.7	4154.5	4198.1	4275.5	4280.3
20°	3840.2	3888.5	3927.2	3985.3	4033.6	4024.0	4111.0	4086.8	4130.4	4212.6	4217.4
22.5°	3733.8	3782.1	3820.8	3883.7	3927.2	3922.4	4009.5	3985.3	4028.8	4106.2	4111.0
25°	3608.0	3651.6	3690.2	3748.3	3796.6	3796.6	3874.0	3849.9	3898.2	3975.6	3975.6
27.5°	3453.3	3491.9	3525.8	3593.5	3632.2	3632.2	3704.8	3680.6	3728.9	3796.6	3791.8
30°	3264.6	3298.5	3327.5	3385.5	3419.4	3424.2	3487.1	3462.9	3511.3	3569.3	3569.3
32.5°	3037.3	3071.2	3090.5	3163.1	3187.3	3182.4	3230.8	3206.6	3255.0	3317.8	3303.3
35°	2795.5	2810.0	2824.5	2897.1	2906.7	2887.4	2935.8	2911.6	2945.4	3008.3	2998.6
37.5°	2519.8	2524.7	2524.7	2587.5	2592.4	2577.9	2606.9	2577.9	2602.0	2660.1	2655.2
40°	2215.1	2210.3	2205.4	2253.8	2249.0	2220.0	2239.3	2215.1	2249.0	2292.5	2268.3
42.5°	1905.6	1891.1	1871.7	1895.9	1876.6	1852.4	1862.1	1823.4	1847.5	1881.4	1852.4
45°	1600.9	1571.9	1533.2	1538.0	1513.8	1484.8	1470.3	1431.6	1426.8	1460.6	1436.4
47.5°	1315.5	1257.5	1223.6	1204.3	1165.6	1141.4	1112.4	1068.9	1049.5	1068.9	1044.7
50°	1059.2	1001.2	957.6	914.1	875.4	846.4	798.0	769.0	740.0	744.8	725.5
52.5°	836.7	798.0	725.5	691.6	652.9	619.1	575.5	541.7	507.8	507.8	488.5
55°	662.6	609.4	561.0	512.7	474.0	445.0	401.4	367.6	333.7	328.9	309.5
57.5°	512.7	474.0	420.8	372.4	348.2	319.2	275.7	237.0	217.6	203.1	188.6
60°	396.6	357.9	314.4	275.7	246.7	227.3	183.8	154.8	135.4	125.7	111.2
62.5°	319.2	285.4	246.7	208.0	188.6	169.3	135.4	111.2	91.9	82.2	72.5
65°	256.3	227.3	198.3	169.3	154.8	135.4	111.2	91.9	77.4	67.7	58.0
67.5°	198.3	179.0	154.8	135.4	120.9	106.4	87.1	72.5	62.9	53.2	48.4
70°	149.9	135.4	120.9	101.6	91.9	82.2	67.7	53.2	48.4	43.5	38.7
72.5°	116.1	101.6	87.1	77.4	67.7	62.9	53.2	43.5	38.7	33.9	29.0
75°	77.4	72.5	62.9	53.2	48.4	43.5	38.7	33.9	29.0	24.2	24.2
77.5°	53.2	48.4	43.5	38.7	33.9	33.9	29.0	24.2	19.3	19.3	14.5
80°	33.9	29.0	29.0	24.2	24.2	24.2	19.3	14.5	14.5	14.5	9.7
82.5°	24.2	19.3	19.3	14.5	14.5	14.5	14.5	9.7	9.7	9.7	4.8
85°	14.5	9.7	9.7	9.7	9.7	9.7	9.7	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4120.7	4164.2	4164.2	4202.9	4207.8	4198.1	4154.5	4154.5	4212.6	4246.4	4188.4
5°	4159.4	4202.9	4202.9	4241.6	4261.0	4246.4	4202.9	4207.8	4265.8	4304.5	4246.4
7.5°	4193.2	4236.8	4246.4	4290.0	4304.5	4290.0	4246.4	4256.1	4319.0	4352.8	4294.8
10°	4207.8	4251.3	4256.1	4304.5	4323.8	4304.5	4270.6	4275.5	4343.2	4367.4	4314.2
12.5°	4241.6	4285.1	4285.1	4338.3	4357.7	4343.2	4299.6	4309.3	4377.0	4401.2	4348.0
15°	4275.5	4319.0	4319.0	4377.0	4401.2	4381.9	4348.0	4352.8	4420.6	4444.7	4401.2
17.5°	4275.5	4314.2	4314.2	4377.0	4401.2	4386.7	4348.0	4352.8	4425.4	4444.7	4401.2
20°	4212.6	4256.1	4246.4	4309.3	4333.5	4319.0	4285.1	4285.1	4357.7	4377.0	4333.5
22.5°	4111.0	4149.7	4140.0	4198.1	4227.1	4207.8	4178.7	4173.9	4246.4	4265.8	4222.3
25°	3970.8	4009.5	3999.8	4057.8	4086.8	4062.7	4028.8	4033.6	4091.7	4120.7	4082.0
27.5°	3806.3	3830.5	3816.0	3874.0	3903.1	3878.9	3845.0	3849.9	3907.9	3927.2	3898.2
30°	3583.8	3603.2	3588.7	3637.0	3656.4	3641.9	3612.9	3612.9	3666.1	3690.2	3661.2
32.5°	3317.8	3332.3	3317.8	3356.5	3395.2	3366.2	3337.2	3337.2	3395.2	3414.6	3380.7
35°	3008.3	3022.8	3013.1	3051.8	3080.8	3042.2	3018.0	3008.3	3085.7	3076.0	3056.7
37.5°	2664.9	2674.6	2645.6	2713.3	2727.8	2684.3	2664.9	2655.2	2722.9	2718.1	2698.8
40°	2278.0	2287.7	2268.3	2316.7	2321.5	2287.7	2273.2	2258.6	2326.4	2321.5	2307.0
42.5°	1866.9	1871.7	1847.5	1886.2	1895.9	1862.1	1857.2	1837.9	1900.7	1891.1	1886.2
45°	1441.3	1441.3	1421.9	1450.9	1460.6	1431.6	1421.9	1417.1	1460.6	1460.6	1450.9
47.5°	1044.7	1030.2	1006.0	1049.5	1054.4	1035.0	1030.2	1015.7	1059.2	1059.2	1049.5
50°	715.8	711.0	706.1	715.8	720.6	696.5	711.0	696.5	720.6	720.6	720.6
52.5°	478.8	474.0	464.3	474.0	474.0	459.5	459.5	454.6	474.0	474.0	464.3
55°	299.9	295.0	290.2	295.0	295.0	280.5	290.2	280.5	290.2	290.2	285.4
57.5°	183.8	174.1	174.1	169.3	169.3	159.6	164.4	164.4	164.4	164.4	164.4
60°	106.4	101.6	96.7	96.7	96.7	91.9	91.9	91.9	91.9	91.9	91.9
62.5°	67.7	67.7	62.9	62.9	62.9	62.9	62.9	58.0	62.9	62.9	62.9
65°	58.0	53.2	53.2	53.2	53.2	48.4	48.4	48.4	48.4	48.4	48.4
67.5°	48.4	43.5	43.5	43.5	43.5	38.7	38.7	38.7	38.7	38.7	38.7
70°	38.7	33.9	33.9	33.9	33.9	33.9	29.0	33.9	33.9	29.0	29.0
72.5°	29.0	29.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
75°	19.3	19.3	19.3	19.3	19.3	14.5	14.5	14.5	14.5	14.5	14.5
77.5°	14.5	14.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
80°	9.7	9.7	9.7	9.7	9.7	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	0.0	4.8	0.0	4.8	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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4256.1	4207.8	4183.6	4231.9	4251.3	4227.1	4207.8	4173.9	4207.8	4227.1	4251.3
5°	4314.2	4270.6	4251.3	4285.1	4314.2	4290.0	4275.5	4241.6	4275.5	4290.0	4314.2
7.5°	4367.4	4323.8	4299.6	4333.5	4367.4	4333.5	4319.0	4290.0	4319.0	4333.5	4367.4
10°	4386.7	4338.3	4319.0	4348.0	4381.9	4348.0	4328.7	4309.3	4328.7	4348.0	4381.9
12.5°	4420.6	4372.2	4348.0	4372.2	4406.0	4372.2	4352.8	4338.3	4352.8	4372.2	4406.0
15°	4468.9	4425.4	4396.4	4420.6	4464.1	4425.4	4401.2	4396.4	4401.2	4425.4	4464.1
17.5°	4468.9	4435.1	4406.0	4425.4	4468.9	4439.9	4406.0	4415.7	4406.0	4439.9	4468.9
20°	4406.0	4372.2	4348.0	4348.0	4410.9	4372.2	4343.2	4357.7	4343.2	4372.2	4410.9
22.5°	4294.8	4265.8	4241.6	4236.8	4299.6	4265.8	4227.1	4256.1	4227.1	4265.8	4299.6
25°	4149.7	4120.7	4101.3	4091.7	4154.5	4115.9	4082.0	4111.0	4082.0	4115.9	4154.5
27.5°	3961.1	3936.9	3917.6	3903.1	3961.1	3927.2	3893.4	3922.4	3893.4	3927.2	3961.1
30°	3719.3	3704.8	3685.4	3666.1	3724.1	3690.2	3656.4	3695.1	3656.4	3690.2	3724.1
32.5°	3438.7	3429.1	3404.9	3385.5	3443.6	3404.9	3380.7	3409.7	3380.7	3404.9	3443.6
35°	3114.7	3100.2	3085.7	3051.8	3114.7	3080.8	3080.8	3090.5	3080.8	3080.8	3114.7
37.5°	2752.0	2742.3	2722.9	2693.9	2747.1	2722.9	2713.3	2742.3	2713.3	2722.9	2747.1
40°	2345.7	2340.9	2326.4	2292.5	2350.5	2326.4	2311.8	2350.5	2311.8	2326.4	2350.5
42.5°	1920.1	1910.4	1895.9	1891.1	1920.1	1900.7	1915.3	1915.3	1915.3	1900.7	1920.1
45°	1480.0	1470.3	1460.6	1441.3	1475.1	1465.5	1460.6	1470.3	1460.6	1465.5	1475.1
47.5°	1073.7	1064.0	1054.4	1039.8	1073.7	1059.2	1059.2	1068.9	1059.2	1059.2	1073.7
50°	720.6	725.5	720.6	711.0	720.6	715.8	720.6	730.3	720.6	715.8	720.6
52.5°	478.8	478.8	469.1	464.3	474.0	469.1	483.6	474.0	483.6	469.1	474.0
55°	290.2	295.0	290.2	285.4	290.2	285.4	299.9	295.0	299.9	285.4	290.2
57.5°	164.4	164.4	169.3	164.4	174.1	169.3	169.3	169.3	169.3	169.3	174.1
60°	91.9	91.9	91.9	91.9	91.9	91.9	96.7	91.9	96.7	91.9	91.9
62.5°	62.9	62.9	62.9	58.0	62.9	58.0	62.9	62.9	62.9	58.0	62.9
65°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
67.5°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
70°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
72.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
75°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4231.9	4183.6	4207.8	4256.1	4188.4	4246.4	4212.6	4154.5	4154.5	4198.1	4207.8
5°	4285.1	4251.3	4270.6	4314.2	4246.4	4304.5	4265.8	4207.8	4202.9	4246.4	4261.0
7.5°	4333.5	4299.6	4323.8	4367.4	4294.8	4352.8	4319.0	4256.1	4246.4	4290.0	4304.5
10°	4348.0	4319.0	4338.3	4386.7	4314.2	4367.4	4343.2	4275.5	4270.6	4304.5	4323.8
12.5°	4372.2	4348.0	4372.2	4420.6	4348.0	4401.2	4377.0	4309.3	4299.6	4343.2	4357.7
15°	4420.6	4396.4	4425.4	4468.9	4401.2	4444.7	4420.6	4352.8	4348.0	4381.9	4401.2
17.5°	4425.4	4406.0	4435.1	4468.9	4401.2	4444.7	4425.4	4352.8	4348.0	4386.7	4401.2
20°	4348.0	4348.0	4372.2	4406.0	4333.5	4377.0	4357.7	4285.1	4285.1	4319.0	4333.5
22.5°	4236.8	4241.6	4265.8	4294.8	4222.3	4265.8	4246.4	4173.9	4178.7	4207.8	4227.1
25°	4091.7	4101.3	4120.7	4149.7	4082.0	4120.7	4091.7	4033.6	4028.8	4062.7	4086.8
27.5°	3903.1	3917.6	3936.9	3961.1	3898.2	3927.2	3907.9	3849.9	3845.0	3878.9	3903.1
30°	3666.1	3685.4	3704.8	3719.3	3661.2	3690.2	3666.1	3612.9	3612.9	3641.9	3656.4
32.5°	3385.5	3404.9	3429.1	3438.7	3380.7	3414.6	3395.2	3337.2	3337.2	3366.2	3395.2
35°	3051.8	3085.7	3100.2	3114.7	3056.7	3076.0	3085.7	3008.3	3018.0	3042.2	3080.8
37.5°	2693.9	2722.9	2742.3	2752.0	2698.8	2718.1	2722.9	2655.2	2664.9	2684.3	2727.8
40°	2292.5	2326.4	2340.9	2345.7	2307.0	2321.5	2326.4	2258.6	2273.2	2287.7	2321.5
42.5°	1891.1	1895.9	1910.4	1920.1	1886.2	1891.1	1900.7	1837.9	1857.2	1862.1	1895.9
45°	1441.3	1460.6	1470.3	1480.0	1450.9	1460.6	1460.6	1417.1	1421.9	1431.6	1460.6
47.5°	1039.8	1054.4	1064.0	1073.7	1049.5	1059.2	1059.2	1015.7	1030.2	1035.0	1054.4
50°	711.0	720.6	725.5	720.6	720.6	720.6	720.6	696.5	711.0	696.5	720.6
52.5°	464.3	469.1	478.8	478.8	464.3	474.0	474.0	454.6	459.5	459.5	474.0
55°	285.4	290.2	295.0	290.2	285.4	290.2	290.2	280.5	290.2	280.5	295.0
57.5°	164.4	169.3	164.4	164.4	164.4	164.4	164.4	164.4	164.4	159.6	169.3
60°	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	96.7
62.5°	58.0	62.9	62.9	62.9	62.9	62.9	62.9	58.0	62.9	62.9	62.9
65°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	53.2
67.5°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	43.5
70°	29.0	29.0	29.0	29.0	29.0	29.0	33.9	33.9	29.0	33.9	33.9
72.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
75°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	19.3
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.7
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	4.8	0.0	4.8
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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4202.9	4164.2	4164.2	4120.7	4159.4	4164.2	4115.9	4101.3	4154.5	4096.5	4125.5
5°	4241.6	4202.9	4202.9	4159.4	4188.4	4188.4	4140.0	4115.9	4169.1	4111.0	4135.2
7.5°	4290.0	4246.4	4236.8	4193.2	4217.4	4222.3	4164.2	4130.4	4183.6	4115.9	4140.0
10°	4304.5	4256.1	4251.3	4207.8	4227.1	4231.9	4164.2	4135.2	4178.7	4106.2	4120.7
12.5°	4338.3	4285.1	4285.1	4241.6	4256.1	4256.1	4188.4	4149.7	4188.4	4115.9	4125.5
15°	4377.0	4319.0	4319.0	4275.5	4285.1	4290.0	4207.8	4169.1	4202.9	4125.5	4135.2
17.5°	4377.0	4314.2	4314.2	4275.5	4280.3	4275.5	4198.1	4154.5	4178.7	4096.5	4101.3
20°	4309.3	4246.4	4256.1	4212.6	4217.4	4212.6	4130.4	4086.8	4111.0	4024.0	4033.6
22.5°	4198.1	4140.0	4149.7	4111.0	4111.0	4106.2	4028.8	3985.3	4009.5	3922.4	3927.2
25°	4057.8	3999.8	4009.5	3970.8	3975.6	3975.6	3898.2	3849.9	3874.0	3796.6	3796.6
27.5°	3874.0	3816.0	3830.5	3806.3	3791.8	3796.6	3728.9	3680.6	3704.8	3632.2	3632.2
30°	3637.0	3588.7	3603.2	3583.8	3569.3	3569.3	3511.3	3462.9	3487.1	3424.2	3419.4
32.5°	3356.5	3317.8	3332.3	3317.8	3303.3	3317.8	3255.0	3206.6	3230.8	3182.4	3187.3
35°	3051.8	3013.1	3022.8	3008.3	2998.6	3008.3	2945.4	2911.6	2935.8	2887.4	2906.7
37.5°	2713.3	2645.6	2674.6	2664.9	2655.2	2660.1	2602.0	2577.9	2606.9	2577.9	2592.4
40°	2316.7	2268.3	2287.7	2278.0	2268.3	2292.5	2249.0	2215.1	2239.3	2220.0	2249.0
42.5°	1886.2	1847.5	1871.7	1866.9	1852.4	1881.4	1847.5	1823.4	1862.1	1852.4	1876.6
45°	1450.9	1421.9	1441.3	1441.3	1436.4	1460.6	1426.8	1431.6	1470.3	1484.8	1513.8
47.5°	1049.5	1006.0	1030.2	1044.7	1044.7	1068.9	1049.5	1068.9	1112.4	1141.4	1165.6
50°	715.8	706.1	711.0	715.8	725.5	744.8	740.0	769.0	798.0	846.4	875.4
52.5°	474.0	464.3	474.0	478.8	488.5	507.8	507.8	541.7	575.5	619.1	652.9
55°	295.0	290.2	295.0	299.9	309.5	328.9	333.7	367.6	401.4	445.0	474.0
57.5°	169.3	174.1	174.1	183.8	188.6	203.1	217.6	237.0	275.7	319.2	348.2
60°	96.7	96.7	101.6	106.4	111.2	125.7	135.4	154.8	183.8	227.3	246.7
62.5°	62.9	62.9	67.7	67.7	72.5	82.2	91.9	111.2	135.4	169.3	188.6
65°	53.2	53.2	53.2	58.0	58.0	67.7	77.4	91.9	111.2	135.4	154.8
67.5°	43.5	43.5	43.5	48.4	48.4	53.2	62.9	72.5	87.1	106.4	120.9
70°	33.9	33.9	33.9	38.7	38.7	43.5	48.4	53.2	67.7	82.2	91.9
72.5°	24.2	24.2	29.0	29.0	29.0	33.9	38.7	43.5	53.2	62.9	67.7
75°	19.3	19.3	19.3	19.3	24.2	24.2	29.0	33.9	38.7	43.5	48.4
77.5°	9.7	9.7	14.5	14.5	14.5	19.3	19.3	24.2	29.0	33.9	33.9
80°	9.7	9.7	9.7	9.7	9.7	14.5	14.5	14.5	19.3	24.2	24.2
82.5°	4.8	4.8	4.8	4.8	4.8	9.7	9.7	9.7	14.5	14.5	14.5
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.7	9.7	9.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4091.7	4106.2	4106.2	4091.7	4053.0	4086.8	4120.7	4086.8	4130.4	4053.0	4053.0
5°	4091.7	4101.3	4096.5	4077.2	4038.5	4067.5	4091.7	4057.8	4091.7	4019.1	4014.3
7.5°	4101.3	4091.7	4082.0	4057.8	4009.5	4028.8	4053.0	4014.3	4048.1	3970.8	3961.1
10°	4082.0	4067.5	4048.1	4014.3	3961.1	3975.6	3990.1	3956.3	3980.4	3903.1	3898.2
12.5°	4082.0	4057.8	4028.8	3990.1	3932.1	3941.7	3956.3	3912.7	3932.1	3859.5	3849.9
15°	4091.7	4048.1	4014.3	3970.8	3907.9	3912.7	3922.4	3874.0	3893.4	3816.0	3811.2
17.5°	4057.8	4009.5	3975.6	3922.4	3854.7	3859.5	3859.5	3811.2	3825.7	3748.3	3743.4
20°	3985.3	3927.2	3888.5	3840.2	3767.6	3767.6	3767.6	3719.3	3728.9	3661.2	3651.6
22.5°	3883.7	3820.8	3782.1	3733.8	3666.1	3661.2	3656.4	3617.7	3617.7	3554.8	3540.3
25°	3748.3	3690.2	3651.6	3608.0	3540.3	3530.6	3530.6	3496.8	3491.9	3433.9	3424.2
27.5°	3593.5	3525.8	3491.9	3453.3	3390.4	3380.7	3375.9	3356.5	3346.9	3284.0	3279.1
30°	3385.5	3327.5	3298.5	3264.6	3206.6	3196.9	3192.1	3172.7	3167.9	3105.0	3105.0
32.5°	3163.1	3090.5	3071.2	3037.3	2993.8	2989.0	2993.8	2969.6	2950.3	2906.7	2897.1
35°	2897.1	2824.5	2810.0	2795.5	2761.6	2752.0	2747.1	2742.3	2718.1	2689.1	2674.6
37.5°	2587.5	2524.7	2524.7	2519.8	2495.6	2495.6	2495.6	2486.0	2461.8	2452.1	2423.1
40°	2253.8	2205.4	2210.3	2215.1	2205.4	2210.3	2215.1	2205.4	2186.1	2176.4	2152.2
42.5°	1895.9	1871.7	1891.1	1905.6	1905.6	1920.1	1929.8	1929.8	1905.6	1900.7	1881.4
45°	1538.0	1533.2	1571.9	1600.9	1610.6	1634.7	1649.2	1639.6	1639.6	1639.6	1620.2
47.5°	1204.3	1223.6	1257.5	1315.5	1334.9	1363.9	1373.6	1388.1	1383.2	1388.1	1373.6
50°	914.1	957.6	1001.2	1059.2	1088.2	1122.1	1136.6	1155.9	1155.9	1160.8	1151.1
52.5°	691.6	725.5	798.0	836.7	870.6	904.4	923.8	943.1	948.0	948.0	938.3
55°	512.7	561.0	609.4	662.6	691.6	725.5	740.0	759.3	759.3	769.0	759.3
57.5°	372.4	420.8	474.0	512.7	546.5	570.7	585.2	599.7	609.4	609.4	604.6
60°	275.7	314.4	357.9	396.6	425.6	449.8	459.5	474.0	478.8	478.8	469.1
62.5°	208.0	246.7	285.4	319.2	338.6	357.9	367.6	377.2	377.2	377.2	372.4
65°	169.3	198.3	227.3	256.3	275.7	290.2	295.0	304.7	299.9	304.7	299.9
67.5°	135.4	154.8	179.0	198.3	212.8	222.5	227.3	237.0	232.2	237.0	232.2
70°	101.6	120.9	135.4	149.9	159.6	169.3	174.1	179.0	174.1	179.0	174.1
72.5°	77.4	87.1	101.6	116.1	120.9	125.7	130.6	130.6	130.6	135.4	130.6
75°	53.2	62.9	72.5	77.4	87.1	91.9	91.9	96.7	96.7	96.7	96.7
77.5°	38.7	43.5	48.4	53.2	58.0	62.9	62.9	67.7	67.7	67.7	67.7
80°	24.2	29.0	29.0	33.9	38.7	38.7	43.5	43.5	43.5	43.5	43.5
82.5°	14.5	19.3	19.3	24.2	24.2	24.2	29.0	29.0	29.0	29.0	29.0
85°	9.7	9.7	9.7	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.7	9.7	4.8	4.8
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: P212863

CATALOG NUMBER: LD6B70D010TE EU6B60708035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	4154.5	4154.5	4154.5	4154.5
2.5°	4091.7	4067.5	4106.2	4048.1
5°	4048.1	4024.0	4072.3	3999.8
7.5°	3994.9	3970.8	4014.3	3941.7
10°	3927.2	3903.1	3941.7	3864.4
12.5°	3869.2	3845.0	3888.5	3816.0
15°	3825.7	3801.5	3840.2	3772.5
17.5°	3758.0	3728.9	3772.5	3699.9
20°	3661.2	3641.9	3675.7	3603.2
22.5°	3550.0	3530.6	3569.3	3496.8
25°	3433.9	3409.7	3448.4	3375.9
27.5°	3284.0	3264.6	3303.3	3230.8
30°	3105.0	3085.7	3124.4	3056.7
32.5°	2901.9	2882.6	2911.6	2853.5
35°	2669.7	2655.2	2684.3	2621.4
37.5°	2418.2	2403.7	2432.8	2369.9
40°	2147.4	2132.9	2157.1	2128.1
42.5°	1881.4	1866.9	1891.1	1866.9
45°	1620.2	1610.6	1634.7	1610.6
47.5°	1378.4	1368.7	1392.9	1368.7
50°	1146.2	1151.1	1160.8	1151.1
52.5°	938.3	938.3	952.8	938.3
55°	759.3	764.2	769.0	759.3
57.5°	604.6	604.6	609.4	604.6
60°	469.1	474.0	474.0	469.1
62.5°	372.4	372.4	372.4	372.4
65°	295.0	295.0	299.9	295.0
67.5°	232.2	227.3	232.2	227.3
70°	174.1	174.1	174.1	174.1
72.5°	135.4	135.4	130.6	130.6
75°	96.7	101.6	96.7	96.7
77.5°	67.7	67.7	67.7	67.7
80°	43.5	43.5	43.5	43.5
82.5°	29.0	29.0	29.0	29.0
85°	19.3	14.5	14.5	14.5
87.5°	9.7	4.8	4.8	4.8
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)