

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: P212862

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212862
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 EU6B60708030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6772.5 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

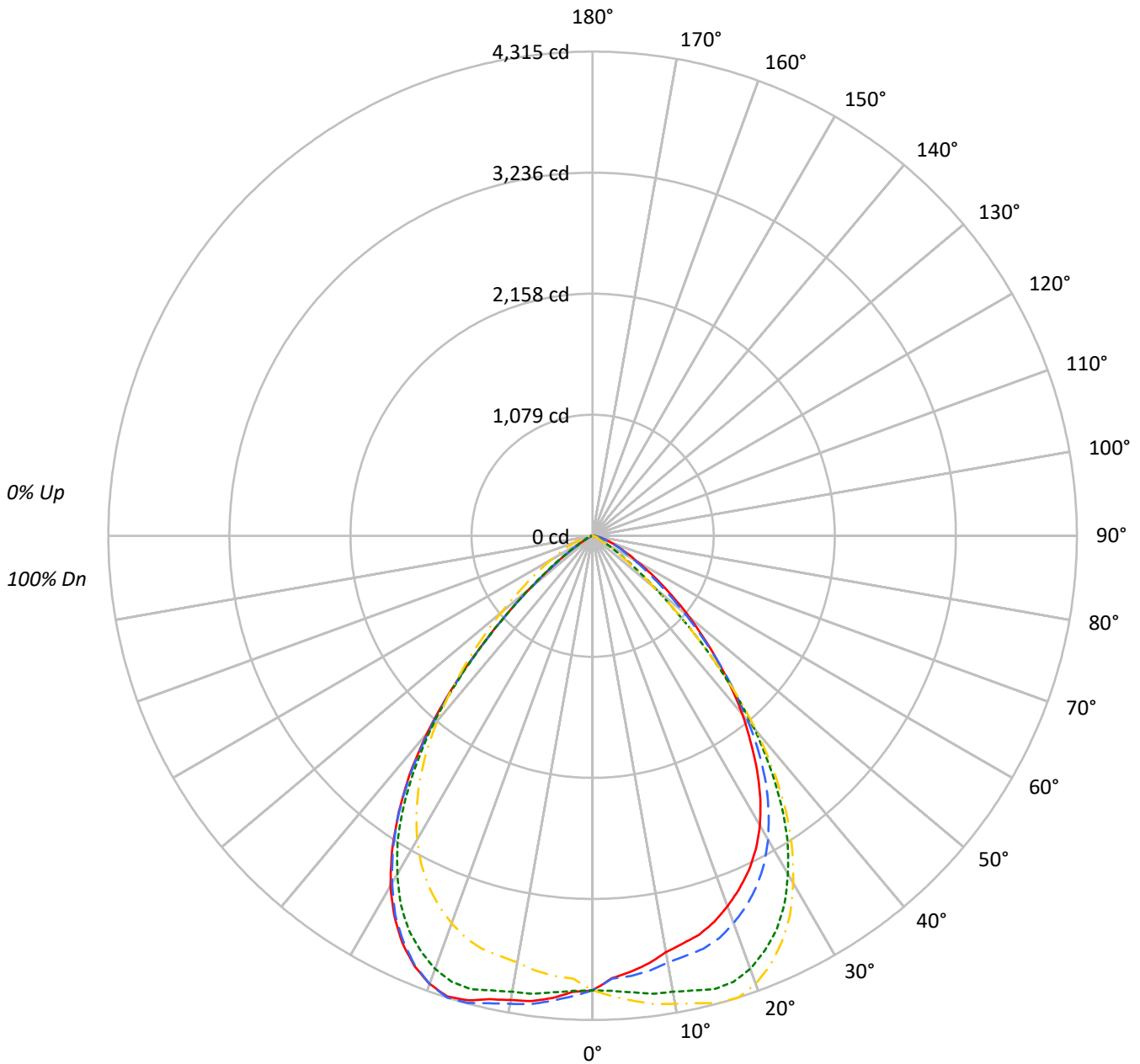
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	222060	222060	222060	222060
5°	214604	224724	227580	224724
10°	209738	229688	233886	229688
15°	208753	237391	243276	237391
20°	204954	239613	247868	239613
25°	199094	234467	242452	234467
30°	188656	220293	228054	220293
35°	171049	196292	201659	196292
40°	148485	159957	164007	159957
45°	121741	110407	111143	110407
50°	95715	61934	60731	61934
55°	70765	30651	27497	30651
60°	50149	13442	9824	13442
65°	37319	8561	6123	8561
70°	27216	6796	4536	6796
75°	19974	4999	2987	4999
80°	13386	4451	1484	4451
85°	8869	2956	2956	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.8	5.7
10°-20°	1148.5	17.0
20°-30°	1713.9	25.3
30°-40°	1760.9	26.0
40°-50°	1140.3	16.8
50°-60°	424.0	6.3
60°-70°	139.1	2.1
70°-80°	49.1	0.7
80°-90°	8.8	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°	3250.2	48.0
0°-40°	5011.2	74.0
0°-60°	6575.5	97.1
0°-90°	6772.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6772.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4051	4051	4051	4051	4051	
5°	3900	4084	4136	4084	3900	368
15°	3678	4183	4286	4183	3678	1034
25°	3292	3876	4008	3876	3292	1508
35°	2556	2933	3013	2933	2556	1587
45°	1570	1424	1434	1424	1570	1214
55°	740	321	288	321	740	675
65°	288	66	47	66	288	293
75°	94	24	14	24	94	104
85°	14	5	5	5	14	19
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°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	3947.0	4003.6	3965.9	3989.4	3951.7	3951.7	4027.2	3984.7	4017.7	3984.7	3951.7
5°	3899.8	3970.6	3923.4	3947.0	3914.0	3918.7	3989.4	3956.4	3989.4	3965.9	3937.6
7.5°	3843.2	3914.0	3871.5	3895.1	3862.1	3871.5	3947.0	3914.0	3951.7	3928.1	3909.3
10°	3767.8	3843.2	3805.5	3829.1	3800.8	3805.5	3881.0	3857.4	3890.4	3876.3	3862.1
12.5°	3720.6	3791.4	3748.9	3772.5	3753.7	3763.1	3833.8	3815.0	3857.4	3843.2	3833.8
15°	3678.2	3744.2	3706.5	3730.1	3715.9	3720.6	3796.1	3777.2	3824.4	3815.0	3810.2
17.5°	3607.5	3678.2	3635.8	3664.1	3649.9	3654.6	3730.1	3715.9	3763.1	3763.1	3758.4
20°	3513.2	3583.9	3550.9	3569.7	3560.3	3569.7	3635.8	3626.3	3673.5	3673.5	3673.5
22.5°	3409.4	3480.1	3442.4	3461.3	3451.8	3466.0	3527.3	3527.3	3565.0	3569.7	3574.5
25°	3291.5	3362.3	3324.5	3348.1	3338.7	3348.1	3404.7	3409.4	3442.4	3442.4	3451.8
27.5°	3150.0	3220.8	3183.1	3201.9	3197.2	3201.9	3263.2	3272.7	3291.5	3296.2	3305.7
30°	2980.3	3046.3	3008.6	3027.4	3027.4	3027.4	3088.7	3093.5	3112.3	3117.0	3126.5
32.5°	2782.2	2838.8	2810.5	2829.4	2824.7	2834.1	2876.5	2895.4	2919.0	2914.3	2919.0
35°	2555.9	2617.2	2588.9	2603.0	2607.7	2621.9	2650.2	2673.8	2678.5	2683.2	2692.6
37.5°	2310.7	2372.0	2343.7	2357.8	2362.5	2390.8	2400.3	2423.8	2433.3	2433.3	2433.3
40°	2074.9	2103.2	2079.6	2093.7	2098.5	2122.0	2131.5	2150.3	2159.8	2155.0	2150.3
42.5°	1820.2	1843.8	1820.2	1834.4	1834.4	1853.2	1858.0	1881.5	1881.5	1872.1	1858.0
45°	1570.3	1593.9	1570.3	1579.7	1579.7	1598.6	1598.6	1598.6	1608.0	1593.9	1570.3
47.5°	1334.5	1358.1	1334.5	1344.0	1339.2	1353.4	1348.7	1353.4	1339.2	1329.8	1301.5
50°	1122.3	1131.8	1122.3	1117.6	1122.3	1131.8	1127.0	1127.0	1108.2	1094.0	1061.0
52.5°	914.8	929.0	914.8	914.8	914.8	924.3	924.3	919.6	900.7	881.8	848.8
55°	740.4	749.8	745.1	740.4	740.4	749.8	740.4	740.4	721.5	707.3	674.3
57.5°	589.5	594.2	589.5	589.5	589.5	594.2	594.2	584.7	570.6	556.4	532.9
60°	457.4	462.1	462.1	457.4	457.4	466.8	466.8	462.1	448.0	438.6	415.0
62.5°	363.1	363.1	363.1	363.1	363.1	367.8	367.8	367.8	358.4	349.0	330.1
65°	287.7	292.4	287.7	287.7	292.4	297.1	292.4	297.1	287.7	282.9	268.8
67.5°	221.6	226.4	221.6	226.4	226.4	231.1	226.4	231.1	221.6	216.9	207.5
70°	169.8	169.8	169.8	169.8	169.8	174.5	169.8	174.5	169.8	165.0	155.6
72.5°	127.3	127.3	132.0	132.0	127.3	132.0	127.3	127.3	127.3	122.6	117.9
75°	94.3	94.3	99.0	94.3	94.3	94.3	94.3	94.3	89.6	89.6	84.9
77.5°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	61.3	61.3	56.6
80°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	37.7	37.7
82.5°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	23.6	23.6
85°	14.1	14.1	14.1	18.9	14.1	14.1	14.1	14.1	14.1	14.1	14.1
87.5°	4.7	4.7	4.7	9.4	4.7	4.7	9.4	9.4	4.7	4.7	4.7
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°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	3989.4	4003.6	4003.6	3989.4	4022.4	3994.1	4050.7	3998.9	4013.0	4060.2	4055.5
5°	3975.3	3994.1	3998.9	3989.4	4031.9	4008.3	4064.9	4013.0	4036.6	4083.7	4083.7
7.5°	3956.4	3980.0	3989.4	3998.9	4036.6	4013.0	4079.0	4027.2	4060.2	4116.8	4112.0
10°	3914.0	3947.0	3965.9	3980.0	4017.7	4003.6	4074.3	4031.9	4060.2	4126.2	4121.5
12.5°	3890.4	3928.1	3956.4	3980.0	4022.4	4013.0	4083.7	4046.0	4083.7	4149.8	4149.8
15°	3871.5	3914.0	3947.0	3989.4	4031.9	4022.4	4097.9	4064.9	4102.6	4182.8	4178.1
17.5°	3824.4	3876.3	3909.3	3956.4	3998.9	3994.1	4074.3	4050.7	4093.2	4168.6	4173.3
20°	3744.2	3791.4	3829.1	3885.7	3932.8	3923.4	4008.3	3984.7	4027.2	4107.3	4112.0
22.5°	3640.5	3687.6	3725.4	3786.7	3829.1	3824.4	3909.3	3885.7	3928.1	4003.6	4008.3
25°	3517.9	3560.3	3598.0	3654.6	3701.8	3701.8	3777.2	3753.7	3800.8	3876.3	3876.3
27.5°	3367.0	3404.7	3437.7	3503.7	3541.4	3541.4	3612.2	3588.6	3635.8	3701.8	3697.1
30°	3183.1	3216.1	3244.4	3300.9	3334.0	3338.7	3400.0	3376.4	3423.6	3480.1	3480.1
32.5°	2961.4	2994.4	3013.3	3084.0	3107.6	3102.9	3150.0	3126.5	3173.6	3234.9	3220.8
35°	2725.6	2739.8	2753.9	2824.7	2834.1	2815.2	2862.4	2838.8	2871.8	2933.1	2923.7
37.5°	2456.8	2461.6	2461.6	2522.9	2527.6	2513.4	2541.7	2513.4	2537.0	2593.6	2588.9
40°	2159.8	2155.0	2150.3	2197.5	2192.8	2164.5	2183.3	2159.8	2192.8	2235.2	2211.6
42.5°	1858.0	1843.8	1825.0	1848.5	1829.7	1806.1	1815.5	1777.8	1801.4	1834.4	1806.1
45°	1560.9	1532.6	1494.9	1499.6	1476.0	1447.7	1433.6	1395.8	1391.1	1424.1	1400.5
47.5°	1282.7	1226.1	1193.1	1174.2	1136.5	1112.9	1084.6	1042.2	1023.3	1042.2	1018.6
50°	1032.7	976.1	933.7	891.3	853.5	825.2	778.1	749.8	721.5	726.2	707.3
52.5°	815.8	778.1	707.3	674.3	636.6	603.6	561.2	528.2	495.1	495.1	476.3
55°	646.0	594.2	547.0	499.9	462.1	433.8	391.4	358.4	325.4	320.7	301.8
57.5°	499.9	462.1	410.3	363.1	339.5	311.2	268.8	231.1	212.2	198.1	183.9
60°	386.7	349.0	306.5	268.8	240.5	221.6	179.2	150.9	132.0	122.6	108.5
62.5°	311.2	278.2	240.5	202.8	183.9	165.0	132.0	108.5	89.6	80.2	70.7
65°	249.9	221.6	193.3	165.0	150.9	132.0	108.5	89.6	75.5	66.0	56.6
67.5°	193.3	174.5	150.9	132.0	117.9	103.7	84.9	70.7	61.3	51.9	47.2
70°	146.2	132.0	117.9	99.0	89.6	80.2	66.0	51.9	47.2	42.4	37.7
72.5°	113.2	99.0	84.9	75.5	66.0	61.3	51.9	42.4	37.7	33.0	28.3
75°	75.5	70.7	61.3	51.9	47.2	42.4	37.7	33.0	28.3	23.6	23.6
77.5°	51.9	47.2	42.4	37.7	33.0	33.0	28.3	23.6	18.9	18.9	14.1
80°	33.0	28.3	28.3	23.6	23.6	23.6	18.9	14.1	14.1	14.1	9.4
82.5°	23.6	18.9	18.9	14.1	14.1	14.1	14.1	9.4	9.4	9.4	4.7
85°	14.1	9.4	9.4	9.4	9.4	9.4	9.4	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	4017.7	4060.2	4060.2	4097.9	4102.6	4093.2	4050.7	4050.7	4107.3	4140.3	4083.7
5°	4055.5	4097.9	4097.9	4135.6	4154.5	4140.3	4097.9	4102.6	4159.2	4196.9	4140.3
7.5°	4088.5	4130.9	4140.3	4182.8	4196.9	4182.8	4140.3	4149.8	4211.1	4244.1	4187.5
10°	4102.6	4145.0	4149.8	4196.9	4215.8	4196.9	4163.9	4168.6	4234.6	4258.2	4206.4
12.5°	4135.6	4178.1	4178.1	4229.9	4248.8	4234.6	4192.2	4201.6	4267.7	4291.2	4239.4
15°	4168.6	4211.1	4211.1	4267.7	4291.2	4272.4	4239.4	4244.1	4310.1	4333.7	4291.2
17.5°	4168.6	4206.4	4206.4	4267.7	4291.2	4277.1	4239.4	4244.1	4314.8	4333.7	4291.2
20°	4107.3	4149.8	4140.3	4201.6	4225.2	4211.1	4178.1	4178.1	4248.8	4267.7	4225.2
22.5°	4008.3	4046.0	4036.6	4093.2	4121.5	4102.6	4074.3	4069.6	4140.3	4159.2	4116.8
25°	3871.5	3909.3	3899.8	3956.4	3984.7	3961.1	3928.1	3932.8	3989.4	4017.7	3980.0
27.5°	3711.2	3734.8	3720.6	3777.2	3805.5	3781.9	3748.9	3753.7	3810.2	3829.1	3800.8
30°	3494.3	3513.2	3499.0	3546.2	3565.0	3550.9	3522.6	3522.6	3574.5	3598.0	3569.7
32.5°	3234.9	3249.1	3234.9	3272.7	3310.4	3282.1	3253.8	3253.8	3310.4	3329.2	3296.2
35°	2933.1	2947.3	2937.8	2975.6	3003.9	2966.1	2942.6	2933.1	3008.6	2999.1	2980.3
37.5°	2598.3	2607.7	2579.5	2645.5	2659.6	2617.2	2598.3	2588.9	2654.9	2650.2	2631.3
40°	2221.1	2230.5	2211.6	2258.8	2263.5	2230.5	2216.4	2202.2	2268.2	2263.5	2249.4
42.5°	1820.2	1825.0	1801.4	1839.1	1848.5	1815.5	1810.8	1791.9	1853.2	1843.8	1839.1
45°	1405.3	1405.3	1386.4	1414.7	1424.1	1395.8	1386.4	1381.7	1424.1	1424.1	1414.7
47.5°	1018.6	1004.4	980.9	1023.3	1028.0	1009.1	1004.4	990.3	1032.7	1032.7	1023.3
50°	697.9	693.2	688.5	697.9	702.6	679.1	693.2	679.1	702.6	702.6	702.6
52.5°	466.8	462.1	452.7	462.1	462.1	448.0	448.0	443.3	462.1	462.1	452.7
55°	292.4	287.7	282.9	287.7	287.7	273.5	282.9	273.5	282.9	282.9	278.2
57.5°	179.2	169.8	169.8	165.0	165.0	155.6	160.3	160.3	160.3	160.3	160.3
60°	103.7	99.0	94.3	94.3	94.3	89.6	89.6	89.6	89.6	89.6	89.6
62.5°	66.0	66.0	61.3	61.3	61.3	61.3	61.3	56.6	61.3	61.3	61.3
65°	56.6	51.9	51.9	51.9	51.9	47.2	47.2	47.2	47.2	47.2	47.2
67.5°	47.2	42.4	42.4	42.4	42.4	37.7	37.7	37.7	37.7	37.7	37.7
70°	37.7	33.0	33.0	33.0	33.0	33.0	28.3	33.0	33.0	28.3	28.3
72.5°	28.3	28.3	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
75°	18.9	18.9	18.9	18.9	18.9	14.1	14.1	14.1	14.1	14.1	14.1
77.5°	14.1	14.1	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
80°	9.4	9.4	9.4	9.4	9.4	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	0.0	4.7	0.0	4.7	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: P212862

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	4149.8	4102.6	4079.0	4126.2	4145.0	4121.5	4102.6	4069.6	4102.6	4121.5	4145.0
5°	4206.4	4163.9	4145.0	4178.1	4206.4	4182.8	4168.6	4135.6	4168.6	4182.8	4206.4
7.5°	4258.2	4215.8	4192.2	4225.2	4258.2	4225.2	4211.1	4182.8	4211.1	4225.2	4258.2
10°	4277.1	4229.9	4211.1	4239.4	4272.4	4239.4	4220.5	4201.6	4220.5	4239.4	4272.4
12.5°	4310.1	4262.9	4239.4	4262.9	4295.9	4262.9	4244.1	4229.9	4244.1	4262.9	4295.9
15°	4357.3	4314.8	4286.5	4310.1	4352.5	4314.8	4291.2	4286.5	4291.2	4314.8	4352.5
17.5°	4357.3	4324.2	4295.9	4314.8	4357.3	4329.0	4295.9	4305.4	4295.9	4329.0	4357.3
20°	4295.9	4262.9	4239.4	4239.4	4300.7	4262.9	4234.6	4248.8	4234.6	4262.9	4300.7
22.5°	4187.5	4159.2	4135.6	4130.9	4192.2	4159.2	4121.5	4149.8	4121.5	4159.2	4192.2
25°	4046.0	4017.7	3998.9	3989.4	4050.7	4013.0	3980.0	4008.3	3980.0	4013.0	4050.7
27.5°	3862.1	3838.5	3819.7	3805.5	3862.1	3829.1	3796.1	3824.4	3796.1	3829.1	3862.1
30°	3626.3	3612.2	3593.3	3574.5	3631.0	3598.0	3565.0	3602.7	3565.0	3598.0	3631.0
32.5°	3352.8	3343.4	3319.8	3300.9	3357.5	3319.8	3296.2	3324.5	3296.2	3319.8	3357.5
35°	3036.9	3022.7	3008.6	2975.6	3036.9	3003.9	3003.9	3013.3	3003.9	3003.9	3036.9
37.5°	2683.2	2673.8	2654.9	2626.6	2678.5	2654.9	2645.5	2673.8	2645.5	2654.9	2678.5
40°	2287.1	2282.4	2268.2	2235.2	2291.8	2268.2	2254.1	2291.8	2254.1	2268.2	2291.8
42.5°	1872.1	1862.7	1848.5	1843.8	1872.1	1853.2	1867.4	1867.4	1867.4	1853.2	1872.1
45°	1443.0	1433.6	1424.1	1405.3	1438.3	1428.8	1424.1	1433.6	1424.1	1428.8	1438.3
47.5°	1046.9	1037.4	1028.0	1013.9	1046.9	1032.7	1032.7	1042.2	1032.7	1032.7	1046.9
50°	702.6	707.3	702.6	693.2	702.6	697.9	702.6	712.1	702.6	697.9	702.6
52.5°	466.8	466.8	457.4	452.7	462.1	457.4	471.6	462.1	471.6	457.4	462.1
55°	282.9	287.7	282.9	278.2	282.9	278.2	292.4	287.7	292.4	278.2	282.9
57.5°	160.3	160.3	165.0	160.3	169.8	165.0	165.0	165.0	165.0	165.0	169.8
60°	89.6	89.6	89.6	89.6	89.6	89.6	94.3	89.6	94.3	89.6	89.6
62.5°	61.3	61.3	61.3	56.6	61.3	56.6	61.3	61.3	61.3	56.6	61.3
65°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
67.5°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
70°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
72.5°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
75°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
77.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	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



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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	4126.2	4079.0	4102.6	4149.8	4083.7	4140.3	4107.3	4050.7	4050.7	4093.2	4102.6
5°	4178.1	4145.0	4163.9	4206.4	4140.3	4196.9	4159.2	4102.6	4097.9	4140.3	4154.5
7.5°	4225.2	4192.2	4215.8	4258.2	4187.5	4244.1	4211.1	4149.8	4140.3	4182.8	4196.9
10°	4239.4	4211.1	4229.9	4277.1	4206.4	4258.2	4234.6	4168.6	4163.9	4196.9	4215.8
12.5°	4262.9	4239.4	4262.9	4310.1	4239.4	4291.2	4267.7	4201.6	4192.2	4234.6	4248.8
15°	4310.1	4286.5	4314.8	4357.3	4291.2	4333.7	4310.1	4244.1	4239.4	4272.4	4291.2
17.5°	4314.8	4295.9	4324.2	4357.3	4291.2	4333.7	4314.8	4244.1	4239.4	4277.1	4291.2
20°	4239.4	4239.4	4262.9	4295.9	4225.2	4267.7	4248.8	4178.1	4178.1	4211.1	4225.2
22.5°	4130.9	4135.6	4159.2	4187.5	4116.8	4159.2	4140.3	4069.6	4074.3	4102.6	4121.5
25°	3989.4	3998.9	4017.7	4046.0	3980.0	4017.7	3989.4	3932.8	3928.1	3961.1	3984.7
27.5°	3805.5	3819.7	3838.5	3862.1	3800.8	3829.1	3810.2	3753.7	3748.9	3781.9	3805.5
30°	3574.5	3593.3	3612.2	3626.3	3569.7	3598.0	3574.5	3522.6	3522.6	3550.9	3565.0
32.5°	3300.9	3319.8	3343.4	3352.8	3296.2	3329.2	3310.4	3253.8	3253.8	3282.1	3310.4
35°	2975.6	3008.6	3022.7	3036.9	2980.3	2999.1	3008.6	2933.1	2942.6	2966.1	3003.9
37.5°	2626.6	2654.9	2673.8	2683.2	2631.3	2650.2	2654.9	2588.9	2598.3	2617.2	2659.6
40°	2235.2	2268.2	2282.4	2287.1	2249.4	2263.5	2268.2	2202.2	2216.4	2230.5	2263.5
42.5°	1843.8	1848.5	1862.7	1872.1	1839.1	1843.8	1853.2	1791.9	1810.8	1815.5	1848.5
45°	1405.3	1424.1	1433.6	1443.0	1414.7	1424.1	1424.1	1381.7	1386.4	1395.8	1424.1
47.5°	1013.9	1028.0	1037.4	1046.9	1023.3	1032.7	1032.7	990.3	1004.4	1009.1	1028.0
50°	693.2	702.6	707.3	702.6	702.6	702.6	702.6	679.1	693.2	679.1	702.6
52.5°	452.7	457.4	466.8	466.8	452.7	462.1	462.1	443.3	448.0	448.0	462.1
55°	278.2	282.9	287.7	282.9	278.2	282.9	282.9	273.5	282.9	273.5	287.7
57.5°	160.3	165.0	160.3	160.3	160.3	160.3	160.3	160.3	160.3	155.6	165.0
60°	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	94.3
62.5°	56.6	61.3	61.3	61.3	61.3	61.3	61.3	56.6	61.3	61.3	61.3
65°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	51.9
67.5°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	42.4
70°	28.3	28.3	28.3	28.3	28.3	28.3	33.0	33.0	28.3	33.0	33.0
72.5°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
75°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	18.9
77.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	4.7	0.0	4.7
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: P212862

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	4097.9	4060.2	4060.2	4017.7	4055.5	4060.2	4013.0	3998.9	4050.7	3994.1	4022.4
5°	4135.6	4097.9	4097.9	4055.5	4083.7	4083.7	4036.6	4013.0	4064.9	4008.3	4031.9
7.5°	4182.8	4140.3	4130.9	4088.5	4112.0	4116.8	4060.2	4027.2	4079.0	4013.0	4036.6
10°	4196.9	4149.8	4145.0	4102.6	4121.5	4126.2	4060.2	4031.9	4074.3	4003.6	4017.7
12.5°	4229.9	4178.1	4178.1	4135.6	4149.8	4149.8	4083.7	4046.0	4083.7	4013.0	4022.4
15°	4267.7	4211.1	4211.1	4168.6	4178.1	4182.8	4102.6	4064.9	4097.9	4022.4	4031.9
17.5°	4267.7	4206.4	4206.4	4168.6	4173.3	4168.6	4093.2	4050.7	4074.3	3994.1	3998.9
20°	4201.6	4140.3	4149.8	4107.3	4112.0	4107.3	4027.2	3984.7	4008.3	3923.4	3932.8
22.5°	4093.2	4036.6	4046.0	4008.3	4008.3	4003.6	3928.1	3885.7	3909.3	3824.4	3829.1
25°	3956.4	3899.8	3909.3	3871.5	3876.3	3876.3	3800.8	3753.7	3777.2	3701.8	3701.8
27.5°	3777.2	3720.6	3734.8	3711.2	3697.1	3701.8	3635.8	3588.6	3612.2	3541.4	3541.4
30°	3546.2	3499.0	3513.2	3494.3	3480.1	3480.1	3423.6	3376.4	3400.0	3338.7	3334.0
32.5°	3272.7	3234.9	3249.1	3234.9	3220.8	3234.9	3173.6	3126.5	3150.0	3102.9	3107.6
35°	2975.6	2937.8	2947.3	2933.1	2923.7	2933.1	2871.8	2838.8	2862.4	2815.2	2834.1
37.5°	2645.5	2579.5	2607.7	2598.3	2588.9	2593.6	2537.0	2513.4	2541.7	2513.4	2527.6
40°	2258.8	2211.6	2230.5	2221.1	2211.6	2235.2	2192.8	2159.8	2183.3	2164.5	2192.8
42.5°	1839.1	1801.4	1825.0	1820.2	1806.1	1834.4	1801.4	1777.8	1815.5	1806.1	1829.7
45°	1414.7	1386.4	1405.3	1405.3	1400.5	1424.1	1391.1	1395.8	1433.6	1447.7	1476.0
47.5°	1023.3	980.9	1004.4	1018.6	1018.6	1042.2	1023.3	1042.2	1084.6	1112.9	1136.5
50°	697.9	688.5	693.2	697.9	707.3	726.2	721.5	749.8	778.1	825.2	853.5
52.5°	462.1	452.7	462.1	466.8	476.3	495.1	495.1	528.2	561.2	603.6	636.6
55°	287.7	282.9	287.7	292.4	301.8	320.7	325.4	358.4	391.4	433.8	462.1
57.5°	165.0	169.8	169.8	179.2	183.9	198.1	212.2	231.1	268.8	311.2	339.5
60°	94.3	94.3	99.0	103.7	108.5	122.6	132.0	150.9	179.2	221.6	240.5
62.5°	61.3	61.3	66.0	66.0	70.7	80.2	89.6	108.5	132.0	165.0	183.9
65°	51.9	51.9	51.9	56.6	56.6	66.0	75.5	89.6	108.5	132.0	150.9
67.5°	42.4	42.4	42.4	47.2	47.2	51.9	61.3	70.7	84.9	103.7	117.9
70°	33.0	33.0	33.0	37.7	37.7	42.4	47.2	51.9	66.0	80.2	89.6
72.5°	23.6	23.6	28.3	28.3	28.3	33.0	37.7	42.4	51.9	61.3	66.0
75°	18.9	18.9	18.9	18.9	23.6	23.6	28.3	33.0	37.7	42.4	47.2
77.5°	9.4	9.4	14.1	14.1	14.1	18.9	18.9	23.6	28.3	33.0	33.0
80°	9.4	9.4	9.4	9.4	9.4	14.1	14.1	14.1	18.9	23.6	23.6
82.5°	4.7	4.7	4.7	4.7	4.7	9.4	9.4	9.4	14.1	14.1	14.1
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	9.4	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
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: P212862

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7	4050.7
2.5°	3989.4	4003.6	4003.6	3989.4	3951.7	3984.7	4017.7	3984.7	4027.2	3951.7	3951.7
5°	3989.4	3998.9	3994.1	3975.3	3937.6	3965.9	3989.4	3956.4	3989.4	3918.7	3914.0
7.5°	3998.9	3989.4	3980.0	3956.4	3909.3	3928.1	3951.7	3914.0	3947.0	3871.5	3862.1
10°	3980.0	3965.9	3947.0	3914.0	3862.1	3876.3	3890.4	3857.4	3881.0	3805.5	3800.8
12.5°	3980.0	3956.4	3928.1	3890.4	3833.8	3843.2	3857.4	3815.0	3833.8	3763.1	3753.7
15°	3989.4	3947.0	3914.0	3871.5	3810.2	3815.0	3824.4	3777.2	3796.1	3720.6	3715.9
17.5°	3956.4	3909.3	3876.3	3824.4	3758.4	3763.1	3763.1	3715.9	3730.1	3654.6	3649.9
20°	3885.7	3829.1	3791.4	3744.2	3673.5	3673.5	3673.5	3626.3	3635.8	3569.7	3560.3
22.5°	3786.7	3725.4	3687.6	3640.5	3574.5	3569.7	3565.0	3527.3	3527.3	3466.0	3451.8
25°	3654.6	3598.0	3560.3	3517.9	3451.8	3442.4	3442.4	3409.4	3404.7	3348.1	3338.7
27.5°	3503.7	3437.7	3404.7	3367.0	3305.7	3296.2	3291.5	3272.7	3263.2	3201.9	3197.2
30°	3300.9	3244.4	3216.1	3183.1	3126.5	3117.0	3112.3	3093.5	3088.7	3027.4	3027.4
32.5°	3084.0	3013.3	2994.4	2961.4	2919.0	2914.3	2919.0	2895.4	2876.5	2834.1	2824.7
35°	2824.7	2753.9	2739.8	2725.6	2692.6	2683.2	2678.5	2673.8	2650.2	2621.9	2607.7
37.5°	2522.9	2461.6	2461.6	2456.8	2433.3	2433.3	2433.3	2423.8	2400.3	2390.8	2362.5
40°	2197.5	2150.3	2155.0	2159.8	2150.3	2155.0	2159.8	2150.3	2131.5	2122.0	2098.5
42.5°	1848.5	1825.0	1843.8	1858.0	1858.0	1872.1	1881.5	1881.5	1858.0	1853.2	1834.4
45°	1499.6	1494.9	1532.6	1560.9	1570.3	1593.9	1608.0	1598.6	1598.6	1598.6	1579.7
47.5°	1174.2	1193.1	1226.1	1282.7	1301.5	1329.8	1339.2	1353.4	1348.7	1353.4	1339.2
50°	891.3	933.7	976.1	1032.7	1061.0	1094.0	1108.2	1127.0	1127.0	1131.8	1122.3
52.5°	674.3	707.3	778.1	815.8	848.8	881.8	900.7	919.6	924.3	924.3	914.8
55°	499.9	547.0	594.2	646.0	674.3	707.3	721.5	740.4	740.4	749.8	740.4
57.5°	363.1	410.3	462.1	499.9	532.9	556.4	570.6	584.7	594.2	594.2	589.5
60°	268.8	306.5	349.0	386.7	415.0	438.6	448.0	462.1	466.8	466.8	457.4
62.5°	202.8	240.5	278.2	311.2	330.1	349.0	358.4	367.8	367.8	367.8	363.1
65°	165.0	193.3	221.6	249.9	268.8	282.9	287.7	297.1	292.4	297.1	292.4
67.5°	132.0	150.9	174.5	193.3	207.5	216.9	221.6	231.1	226.4	231.1	226.4
70°	99.0	117.9	132.0	146.2	155.6	165.0	169.8	174.5	169.8	174.5	169.8
72.5°	75.5	84.9	99.0	113.2	117.9	122.6	127.3	127.3	127.3	132.0	127.3
75°	51.9	61.3	70.7	75.5	84.9	89.6	89.6	94.3	94.3	94.3	94.3
77.5°	37.7	42.4	47.2	51.9	56.6	61.3	61.3	66.0	66.0	66.0	66.0
80°	23.6	28.3	28.3	33.0	37.7	37.7	42.4	42.4	42.4	42.4	42.4
82.5°	14.1	18.9	18.9	23.6	23.6	23.6	28.3	28.3	28.3	28.3	28.3
85°	9.4	9.4	9.4	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	9.4	4.7	4.7
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: P212862

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4050.7	4050.7	4050.7	4050.7
2.5°	3989.4	3965.9	4003.6	3947.0
5°	3947.0	3923.4	3970.6	3899.8
7.5°	3895.1	3871.5	3914.0	3843.2
10°	3829.1	3805.5	3843.2	3767.8
12.5°	3772.5	3748.9	3791.4	3720.6
15°	<i>3730.1</i>	<i>3706.5</i>	<i>3744.2</i>	<i>3678.2</i>
17.5°	3664.1	3635.8	3678.2	3607.5
20°	3569.7	3550.9	3583.9	3513.2
22.5°	3461.3	3442.4	3480.1	3409.4
25°	3348.1	3324.5	3362.3	3291.5
27.5°	3201.9	3183.1	3220.8	3150.0
30°	3027.4	3008.6	3046.3	2980.3
32.5°	2829.4	2810.5	2838.8	2782.2
35°	2603.0	2588.9	2617.2	2555.9
37.5°	2357.8	2343.7	2372.0	2310.7
40°	2093.7	2079.6	2103.2	2074.9
42.5°	1834.4	1820.2	1843.8	1820.2
45°	1579.7	1570.3	1593.9	1570.3
47.5°	1344.0	1334.5	1358.1	1334.5
50°	1117.6	1122.3	1131.8	1122.3
52.5°	914.8	914.8	929.0	914.8
55°	740.4	745.1	749.8	740.4
57.5°	589.5	589.5	594.2	589.5
60°	457.4	462.1	462.1	457.4
62.5°	363.1	363.1	363.1	363.1
65°	287.7	287.7	292.4	287.7
67.5°	226.4	221.6	226.4	221.6
70°	169.8	169.8	169.8	169.8
72.5°	132.0	132.0	127.3	127.3
75°	94.3	99.0	94.3	94.3
77.5°	66.0	66.0	66.0	66.0
80°	42.4	42.4	42.4	42.4
82.5°	28.3	28.3	28.3	28.3
85°	18.9	14.1	14.1	14.1
87.5°	9.4	4.7	4.7	4.7
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)