

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: P212864

Luminaire Tested: **LD6B70D010TE EU6B60708040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212864
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 EU6B60708040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7015.3 lumens
Efficiency: N/A
Efficacy: 88.3 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

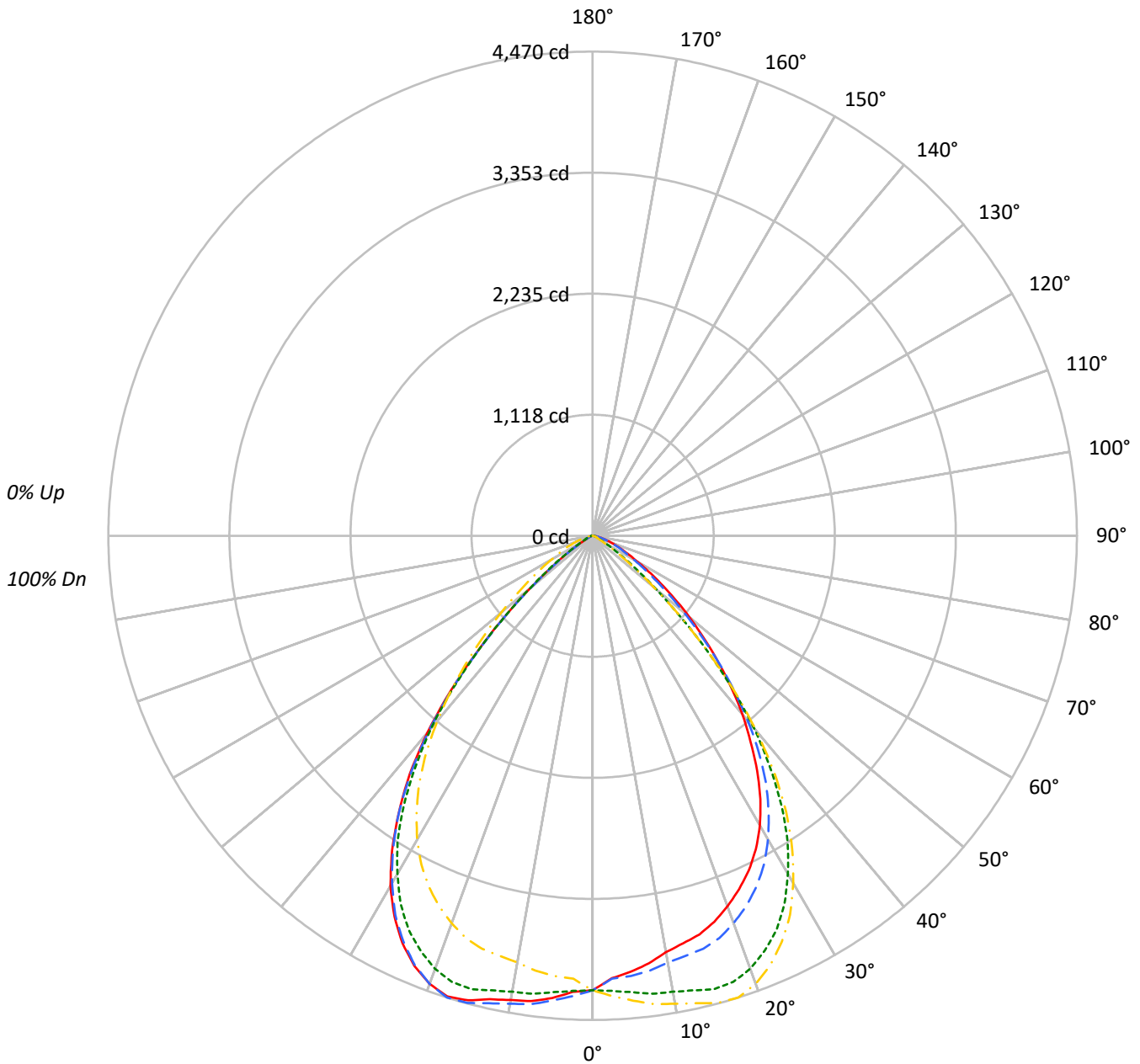
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	230020	230020	230020	230020
5°	222297	232781	235736	232781
10°	217253	237921	242269	237921
15°	216233	245898	251994	245898
20°	212299	248201	256753	248201
25°	206232	242869	251137	242869
30°	195416	228193	236233	228193
35°	177179	203326	208887	203326
40°	153802	165689	169883	165689
45°	126106	114368	115120	114368
50°	99144	64151	62906	64151
55°	73297	31750	28482	31750
60°	51948	13924	10175	13924
65°	38655	8873	6330	8873
70°	28178	7052	4696	7052
75°	20694	5168	3114	5168
80°	13891	4641	1547	4641
85°	9246	3082	3082	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.7	5.7
10°-20°	1189.7	17.0
20°-30°	1775.4	25.3
30°-40°	1824.0	26.0
40°-50°	1181.2	16.8
50°-60°	439.2	6.3
60°-70°	144.1	2.1
70°-80°	50.8	0.7
80°-90°	9.2	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°	3366.7	48.0
0°-40°	5190.7	74.0
0°-60°	6811.2	97.1
0°-90°	7015.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7015.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4196	4196	4196	4196	4196	
5°	4040	4230	4284	4230	4040	382
15°	3810	4333	4440	4333	3810	1072
25°	3410	4015	4152	4015	3410	1563
35°	2648	3038	3121	3038	2648	1644
45°	1627	1475	1485	1475	1627	1258
55°	767	332	298	332	767	699
65°	298	68	49	68	298	303
75°	98	24	15	24	98	107
85°	15	5	5	5	15	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°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4088.4	4147.1	4108.0	4132.4	4093.3	4093.3	4171.5	4127.5	4161.7	4127.5	4093.3
5°	4039.6	4112.9	4064.0	4088.4	4054.3	4059.1	4132.4	4098.2	4132.4	4108.0	4078.7
7.5°	3981.0	4054.3	4010.3	4034.7	4000.5	4010.3	4088.4	4054.3	4093.3	4068.9	4049.4
10°	3902.8	3981.0	3941.9	3966.3	3937.0	3941.9	4020.1	3995.6	4029.8	4015.2	4000.5
12.5°	3854.0	3927.3	3883.3	3907.7	3888.2	3897.9	3971.2	3951.7	3995.6	3981.0	3971.2
15°	3810.0	3878.4	3839.3	3863.8	3849.1	3854.0	3932.1	3912.6	3961.4	3951.7	3946.8
17.5°	3736.8	3810.0	3766.1	3795.4	3780.7	3785.6	3863.8	3849.1	3897.9	3897.9	3893.1
20°	3639.1	3712.3	3678.1	3697.7	3687.9	3697.7	3766.1	3756.3	3805.1	3805.1	3805.1
22.5°	3531.6	3604.9	3565.8	3585.3	3575.6	3590.2	3653.7	3653.7	3692.8	3697.7	3702.6
25°	3409.5	3482.8	3443.7	3468.1	3458.3	3468.1	3526.7	3531.6	3565.8	3565.8	3575.6
27.5°	3262.9	3336.2	3297.1	3316.7	3311.8	3316.7	3380.2	3389.9	3409.5	3414.4	3424.1
30°	3087.1	3155.5	3116.4	3135.9	3135.9	3135.9	3199.4	3204.3	3223.9	3228.8	3238.5
32.5°	2881.9	2940.6	2911.2	2930.8	2925.9	2935.7	2979.6	2999.2	3023.6	3018.7	3023.6
35°	2647.5	2711.0	2681.7	2696.3	2701.2	2715.9	2745.2	2769.6	2774.5	2779.4	2789.1
37.5°	2393.5	2457.0	2427.7	2442.3	2447.2	2476.5	2486.3	2510.7	2520.5	2520.5	2520.5
40°	2149.2	2178.6	2154.1	2168.8	2173.7	2198.1	2207.9	2227.4	2237.2	2232.3	2227.4
42.5°	1885.5	1909.9	1885.5	1900.1	1900.1	1919.7	1924.6	1949.0	1949.0	1939.2	1924.6
45°	1626.6	1651.0	1626.6	1636.4	1636.4	1655.9	1655.9	1655.9	1665.7	1651.0	1626.6
47.5°	1382.4	1406.8	1382.4	1392.1	1387.2	1401.9	1397.0	1401.9	1387.2	1377.5	1348.2
50°	1162.5	1172.3	1162.5	1157.7	1162.5	1172.3	1167.4	1167.4	1147.9	1133.2	1099.0
52.5°	947.6	962.3	947.6	947.6	947.6	957.4	957.4	952.5	933.0	913.4	879.2
55°	766.9	776.7	771.8	766.9	766.9	776.7	766.9	766.9	747.4	732.7	698.5
57.5°	610.6	615.5	610.6	610.6	610.6	615.5	615.5	605.7	591.0	576.4	552.0
60°	473.8	478.7	478.7	473.8	473.8	483.6	483.6	478.7	464.0	454.3	429.8
62.5°	376.1	376.1	376.1	376.1	376.1	381.0	381.0	381.0	371.2	361.5	341.9
65°	298.0	302.8	298.0	298.0	302.8	307.7	302.8	307.7	298.0	293.1	278.4
67.5°	229.6	234.5	229.6	234.5	234.5	239.3	234.5	239.3	229.6	224.7	214.9
70°	175.8	175.8	175.8	175.8	175.8	180.7	175.8	180.7	175.8	171.0	161.2
72.5°	131.9	131.9	136.8	136.8	131.9	136.8	131.9	131.9	131.9	127.0	122.1
75°	97.7	97.7	102.6	97.7	97.7	97.7	97.7	97.7	92.8	92.8	87.9
77.5°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	63.5	63.5	58.6
80°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	39.1	39.1
82.5°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	24.4	24.4
85°	14.7	14.7	14.7	19.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7
87.5°	4.9	4.9	4.9	9.8	4.9	4.9	9.8	9.8	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4132.4	4147.1	4147.1	4132.4	4166.6	4137.3	4195.9	4142.2	4156.8	4205.7	4200.8
5°	4117.8	4137.3	4142.2	4132.4	4176.4	4151.9	4210.6	4156.8	4181.3	4230.1	4230.1
7.5°	4098.2	4122.6	4132.4	4142.2	4181.3	4156.8	4225.2	4171.5	4205.7	4264.3	4259.4
10°	4054.3	4088.4	4108.0	4122.6	4161.7	4147.1	4220.3	4176.4	4205.7	4274.1	4269.2
12.5°	4029.8	4068.9	4098.2	4122.6	4166.6	4156.8	4230.1	4191.0	4230.1	4298.5	4298.5
15°	4010.3	4054.3	4088.4	4132.4	4176.4	4166.6	4244.8	4210.6	4249.6	4332.7	4327.8
17.5°	3961.4	4015.2	4049.4	4098.2	4142.2	4137.3	4220.3	4195.9	4239.9	4318.0	4322.9
20°	3878.4	3927.3	3966.3	4024.9	4073.8	4064.0	4151.9	4127.5	4171.5	4254.5	4259.4
22.5°	3770.9	3819.8	3858.9	3922.4	3966.3	3961.4	4049.4	4024.9	4068.9	4147.1	4151.9
25°	3643.9	3687.9	3727.0	3785.6	3834.4	3834.4	3912.6	3888.2	3937.0	4015.2	4015.2
27.5°	3487.6	3526.7	3560.9	3629.3	3668.4	3668.4	3741.6	3717.2	3766.1	3834.4	3829.6
30°	3297.1	3331.3	3360.6	3419.3	3453.4	3458.3	3521.8	3497.4	3546.3	3604.9	3604.9
32.5°	3067.6	3101.8	3121.3	3194.6	3219.0	3214.1	3262.9	3238.5	3287.4	3350.9	3336.2
35°	2823.3	2838.0	2852.6	2925.9	2935.7	2916.1	2965.0	2940.6	2974.7	3038.2	3028.5
37.5°	2544.9	2549.8	2549.8	2613.3	2618.2	2603.5	2632.8	2603.5	2627.9	2686.6	2681.7
40°	2237.2	2232.3	2227.4	2276.2	2271.4	2242.1	2261.6	2237.2	2271.4	2315.3	2290.9
42.5°	1924.6	1909.9	1890.4	1914.8	1895.2	1870.8	1880.6	1841.5	1865.9	1900.1	1870.8
45°	1616.8	1587.5	1548.4	1553.3	1528.9	1499.6	1484.9	1445.9	1441.0	1475.2	1450.7
47.5°	1328.6	1270.0	1235.8	1216.3	1177.2	1152.8	1123.5	1079.5	1060.0	1079.5	1055.1
50°	1069.7	1011.1	967.2	923.2	884.1	854.8	806.0	776.7	747.4	752.2	732.7
52.5°	845.0	806.0	732.7	698.5	659.4	625.2	581.3	547.1	512.9	512.9	493.3
55°	669.2	615.5	566.6	517.8	478.7	449.4	405.4	371.2	337.0	332.2	312.6
57.5°	517.8	478.7	425.0	376.1	351.7	322.4	278.4	239.3	219.8	205.2	190.5
60°	400.5	361.5	317.5	278.4	249.1	229.6	185.6	156.3	136.8	127.0	112.3
62.5°	322.4	288.2	249.1	210.0	190.5	171.0	136.8	112.3	92.8	83.0	73.3
65°	258.9	229.6	200.3	171.0	156.3	136.8	112.3	92.8	78.2	68.4	58.6
67.5°	200.3	180.7	156.3	136.8	122.1	107.5	87.9	73.3	63.5	53.7	48.8
70°	151.4	136.8	122.1	102.6	92.8	83.0	68.4	53.7	48.8	44.0	39.1
72.5°	117.2	102.6	87.9	78.2	68.4	63.5	53.7	44.0	39.1	34.2	29.3
75°	78.2	73.3	63.5	53.7	48.8	44.0	39.1	34.2	29.3	24.4	24.4
77.5°	53.7	48.8	44.0	39.1	34.2	34.2	29.3	24.4	19.5	19.5	14.7
80°	34.2	29.3	29.3	24.4	24.4	24.4	19.5	14.7	14.7	14.7	9.8
82.5°	24.4	19.5	19.5	14.7	14.7	14.7	14.7	9.8	9.8	9.8	4.9
85°	14.7	9.8	9.8	9.8	9.8	9.8	9.8	4.9	4.9	4.9	4.9
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4161.7	4205.7	4205.7	4244.8	4249.6	4239.9	4195.9	4195.9	4254.5	4288.7	4230.1
5°	4200.8	4244.8	4244.8	4283.8	4303.4	4288.7	4244.8	4249.6	4308.3	4347.3	4288.7
7.5°	4235.0	4278.9	4288.7	4332.7	4347.3	4332.7	4288.7	4298.5	4362.0	4396.2	4337.6
10°	4249.6	4293.6	4298.5	4347.3	4366.9	4347.3	4313.1	4318.0	4386.4	4410.8	4357.1
12.5°	4283.8	4327.8	4327.8	4381.5	4401.1	4386.4	4342.5	4352.2	4420.6	4445.0	4391.3
15°	4318.0	4362.0	4362.0	4420.6	4445.0	4425.5	4391.3	4396.2	4464.6	4489.0	4445.0
17.5°	4318.0	4357.1	4357.1	4420.6	4445.0	4430.4	4391.3	4396.2	4469.5	4489.0	4445.0
20°	4254.5	4298.5	4288.7	4352.2	4376.6	4362.0	4327.8	4327.8	4401.1	4420.6	4376.6
22.5°	4151.9	4191.0	4181.3	4239.9	4269.2	4249.6	4220.3	4215.4	4288.7	4308.3	4264.3
25°	4010.3	4049.4	4039.6	4098.2	4127.5	4103.1	4068.9	4073.8	4132.4	4161.7	4122.6
27.5°	3844.2	3868.6	3854.0	3912.6	3941.9	3917.5	3883.3	3888.2	3946.8	3966.3	3937.0
30°	3619.5	3639.1	3624.4	3673.3	3692.8	3678.1	3648.8	3648.8	3702.6	3727.0	3697.7
32.5°	3350.9	3365.5	3350.9	3389.9	3429.0	3399.7	3370.4	3370.4	3429.0	3448.6	3414.4
35°	3038.2	3052.9	3043.1	3082.2	3111.5	3072.4	3048.0	3038.2	3116.4	3106.6	3087.1
37.5°	2691.4	2701.2	2671.9	2740.3	2754.9	2711.0	2691.4	2681.7	2750.1	2745.2	2725.6
40°	2300.7	2310.4	2290.9	2339.7	2344.6	2310.4	2295.8	2281.1	2349.5	2344.6	2330.0
42.5°	1885.5	1890.4	1865.9	1905.0	1914.8	1880.6	1875.7	1856.2	1919.7	1909.9	1905.0
45°	1455.6	1455.6	1436.1	1465.4	1475.2	1445.9	1436.1	1431.2	1475.2	1475.2	1465.4
47.5°	1055.1	1040.4	1016.0	1060.0	1064.9	1045.3	1040.4	1025.8	1069.7	1069.7	1060.0
50°	722.9	718.0	713.2	722.9	727.8	703.4	718.0	703.4	727.8	727.8	727.8
52.5°	483.6	478.7	468.9	478.7	478.7	464.0	464.0	459.2	478.7	478.7	468.9
55°	302.8	298.0	293.1	298.0	298.0	283.3	293.1	283.3	293.1	293.1	288.2
57.5°	185.6	175.8	175.8	171.0	171.0	161.2	166.1	166.1	166.1	166.1	166.1
60°	107.5	102.6	97.7	97.7	97.7	92.8	92.8	92.8	92.8	92.8	92.8
62.5°	68.4	68.4	63.5	63.5	63.5	63.5	63.5	58.6	63.5	63.5	63.5
65°	58.6	53.7	53.7	53.7	53.7	48.8	48.8	48.8	48.8	48.8	48.8
67.5°	48.8	44.0	44.0	44.0	44.0	39.1	39.1	39.1	39.1	39.1	39.1
70°	39.1	34.2	34.2	34.2	34.2	34.2	29.3	34.2	34.2	29.3	29.3
72.5°	29.3	29.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	19.5	19.5	19.5	19.5	19.5	14.7	14.7	14.7	14.7	14.7	14.7
77.5°	14.7	14.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	9.8	9.8	9.8	9.8	9.8	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	4.9	4.9	4.9	4.9	4.9	0.0	4.9	0.0	4.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212864

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4298.5	4249.6	4225.2	4274.1	4293.6	4269.2	4249.6	4215.4	4249.6	4269.2	4293.6
5°	4357.1	4313.1	4293.6	4327.8	4357.1	4332.7	4318.0	4283.8	4318.0	4332.7	4357.1
7.5°	4410.8	4366.9	4342.5	4376.6	4410.8	4376.6	4362.0	4332.7	4362.0	4376.6	4410.8
10°	4430.4	4381.5	4362.0	4391.3	4425.5	4391.3	4371.8	4352.2	4371.8	4391.3	4425.5
12.5°	4464.6	4415.7	4391.3	4415.7	4449.9	4415.7	4396.2	4381.5	4396.2	4415.7	4449.9
15°	4513.4	4469.5	4440.1	4464.6	4508.5	4469.5	4445.0	4440.1	4445.0	4469.5	4508.5
17.5°	4513.4	4479.2	4449.9	4469.5	4513.4	4484.1	4449.9	4459.7	4449.9	4484.1	4513.4
20°	4449.9	4415.7	4391.3	4391.3	4454.8	4415.7	4386.4	4401.1	4386.4	4415.7	4454.8
22.5°	4337.6	4308.3	4283.8	4278.9	4342.5	4308.3	4269.2	4298.5	4269.2	4308.3	4342.5
25°	4191.0	4161.7	4142.2	4132.4	4195.9	4156.8	4122.6	4151.9	4122.6	4156.8	4195.9
27.5°	4000.5	3976.1	3956.6	3941.9	4000.5	3966.3	3932.1	3961.4	3932.1	3966.3	4000.5
30°	3756.3	3741.6	3722.1	3702.6	3761.2	3727.0	3692.8	3731.9	3692.8	3727.0	3761.2
32.5°	3473.0	3463.2	3438.8	3419.3	3477.9	3438.8	3414.4	3443.7	3414.4	3438.8	3477.9
35°	3145.7	3131.1	3116.4	3082.2	3145.7	3111.5	3111.5	3121.3	3111.5	3111.5	3145.7
37.5°	2779.4	2769.6	2750.1	2720.7	2774.5	2750.1	2740.3	2769.6	2740.3	2750.1	2774.5
40°	2369.1	2364.2	2349.5	2315.3	2373.9	2349.5	2334.9	2373.9	2334.9	2349.5	2373.9
42.5°	1939.2	1929.4	1914.8	1909.9	1939.2	1919.7	1934.3	1934.3	1934.3	1919.7	1939.2
45°	1494.7	1484.9	1475.2	1455.6	1489.8	1480.0	1475.2	1484.9	1475.2	1480.0	1489.8
47.5°	1084.4	1074.6	1064.9	1050.2	1084.4	1069.7	1069.7	1079.5	1069.7	1069.7	1084.4
50°	727.8	732.7	727.8	718.0	727.8	722.9	727.8	737.6	727.8	722.9	727.8
52.5°	483.6	483.6	473.8	468.9	478.7	473.8	488.5	478.7	488.5	473.8	478.7
55°	293.1	298.0	293.1	288.2	293.1	288.2	302.8	298.0	302.8	288.2	293.1
57.5°	166.1	166.1	171.0	166.1	175.8	171.0	171.0	171.0	171.0	171.0	175.8
60°	92.8	92.8	92.8	92.8	92.8	92.8	97.7	92.8	97.7	92.8	92.8
62.5°	63.5	63.5	63.5	58.6	63.5	58.6	63.5	63.5	63.5	58.6	63.5
65°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
67.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
70°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
72.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
77.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212864

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4274.1	4225.2	4249.6	4298.5	4230.1	4288.7	4254.5	4195.9	4195.9	4239.9	4249.6
5°	4327.8	4293.6	4313.1	4357.1	4288.7	4347.3	4308.3	4249.6	4244.8	4288.7	4303.4
7.5°	4376.6	4342.5	4366.9	4410.8	4337.6	4396.2	4362.0	4298.5	4288.7	4332.7	4347.3
10°	4391.3	4362.0	4381.5	4430.4	4357.1	4410.8	4386.4	4318.0	4313.1	4347.3	4366.9
12.5°	4415.7	4391.3	4415.7	4464.6	4391.3	4445.0	4420.6	4352.2	4342.5	4386.4	4401.1
15°	4464.6	4440.1	4469.5	4513.4	4445.0	4489.0	4464.6	4396.2	4391.3	4425.5	4445.0
17.5°	4469.5	4449.9	4479.2	4513.4	4445.0	4489.0	4469.5	4396.2	4391.3	4430.4	4445.0
20°	4391.3	4391.3	4415.7	4449.9	4376.6	4420.6	4401.1	4327.8	4327.8	4362.0	4376.6
22.5°	4278.9	4283.8	4308.3	4337.6	4264.3	4308.3	4288.7	4215.4	4220.3	4249.6	4269.2
25°	4132.4	4142.2	4161.7	4191.0	4122.6	4161.7	4132.4	4073.8	4068.9	4103.1	4127.5
27.5°	3941.9	3956.6	3976.1	4000.5	3937.0	3966.3	3946.8	3888.2	3883.3	3917.5	3941.9
30°	3702.6	3722.1	3741.6	3756.3	3697.7	3727.0	3702.6	3648.8	3648.8	3678.1	3692.8
32.5°	3419.3	3438.8	3463.2	3473.0	3414.4	3448.6	3429.0	3370.4	3370.4	3399.7	3429.0
35°	3082.2	3116.4	3131.1	3145.7	3087.1	3106.6	3116.4	3038.2	3048.0	3072.4	3111.5
37.5°	2720.7	2750.1	2769.6	2779.4	2725.6	2745.2	2750.1	2681.7	2691.4	2711.0	2754.9
40°	2315.3	2349.5	2364.2	2369.1	2330.0	2344.6	2349.5	2281.1	2295.8	2310.4	2344.6
42.5°	1909.9	1914.8	1929.4	1939.2	1905.0	1909.9	1919.7	1856.2	1875.7	1880.6	1914.8
45°	1455.6	1475.2	1484.9	1494.7	1465.4	1475.2	1475.2	1431.2	1436.1	1445.9	1475.2
47.5°	1050.2	1064.9	1074.6	1084.4	1060.0	1069.7	1069.7	1025.8	1040.4	1045.3	1064.9
50°	718.0	727.8	732.7	727.8	727.8	727.8	727.8	703.4	718.0	703.4	727.8
52.5°	468.9	473.8	483.6	483.6	468.9	478.7	478.7	459.2	464.0	464.0	478.7
55°	288.2	293.1	298.0	293.1	288.2	293.1	293.1	283.3	293.1	283.3	298.0
57.5°	166.1	171.0	166.1	166.1	166.1	166.1	166.1	166.1	166.1	161.2	171.0
60°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	97.7
62.5°	58.6	63.5	63.5	63.5	63.5	63.5	63.5	58.6	63.5	63.5	63.5
65°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	53.7
67.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	44.0
70°	29.3	29.3	29.3	29.3	29.3	29.3	34.2	34.2	29.3	34.2	34.2
72.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	19.5
77.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	4.9	0.0	4.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212864

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4244.8	4205.7	4205.7	4161.7	4200.8	4205.7	4156.8	4142.2	4195.9	4137.3	4166.6
5°	4283.8	4244.8	4244.8	4200.8	4230.1	4230.1	4181.3	4156.8	4210.6	4151.9	4176.4
7.5°	4332.7	4288.7	4278.9	4235.0	4259.4	4264.3	4205.7	4171.5	4225.2	4156.8	4181.3
10°	4347.3	4298.5	4293.6	4249.6	4269.2	4274.1	4205.7	4176.4	4220.3	4147.1	4161.7
12.5°	4381.5	4327.8	4327.8	4283.8	4298.5	4298.5	4230.1	4191.0	4230.1	4156.8	4166.6
15°	4420.6	4362.0	4362.0	4318.0	4327.8	4332.7	4249.6	4210.6	4244.8	4166.6	4176.4
17.5°	4420.6	4357.1	4357.1	4318.0	4322.9	4318.0	4239.9	4195.9	4220.3	4137.3	4142.2
20°	4352.2	4288.7	4298.5	4254.5	4259.4	4254.5	4171.5	4127.5	4151.9	4064.0	4073.8
22.5°	4239.9	4181.3	4191.0	4151.9	4151.9	4147.1	4068.9	4024.9	4049.4	3961.4	3966.3
25°	4098.2	4039.6	4049.4	4010.3	4015.2	4015.2	3937.0	3888.2	3912.6	3834.4	3834.4
27.5°	3912.6	3854.0	3868.6	3844.2	3829.6	3834.4	3766.1	3717.2	3741.6	3668.4	3668.4
30°	3673.3	3624.4	3639.1	3619.5	3604.9	3604.9	3546.3	3497.4	3521.8	3458.3	3453.4
32.5°	3389.9	3350.9	3365.5	3350.9	3336.2	3350.9	3287.4	3238.5	3262.9	3214.1	3219.0
35°	3082.2	3043.1	3052.9	3038.2	3028.5	3038.2	2974.7	2940.6	2965.0	2916.1	2935.7
37.5°	2740.3	2671.9	2701.2	2691.4	2681.7	2686.6	2627.9	2603.5	2632.8	2603.5	2618.2
40°	2339.7	2290.9	2310.4	2300.7	2290.9	2315.3	2271.4	2237.2	2261.6	2242.1	2271.4
42.5°	1905.0	1865.9	1890.4	1885.5	1870.8	1900.1	1865.9	1841.5	1880.6	1870.8	1895.2
45°	1465.4	1436.1	1455.6	1455.6	1450.7	1475.2	1441.0	1445.9	1484.9	1499.6	1528.9
47.5°	1060.0	1016.0	1040.4	1055.1	1055.1	1079.5	1060.0	1079.5	1123.5	1152.8	1177.2
50°	722.9	713.2	718.0	722.9	732.7	752.2	747.4	776.7	806.0	854.8	884.1
52.5°	478.7	468.9	478.7	483.6	493.3	512.9	512.9	547.1	581.3	625.2	659.4
55°	298.0	293.1	298.0	302.8	312.6	332.2	337.0	371.2	405.4	449.4	478.7
57.5°	171.0	175.8	175.8	185.6	190.5	205.2	219.8	239.3	278.4	322.4	351.7
60°	97.7	97.7	102.6	107.5	112.3	127.0	136.8	156.3	185.6	229.6	249.1
62.5°	63.5	63.5	68.4	68.4	73.3	83.0	92.8	112.3	136.8	171.0	190.5
65°	53.7	53.7	53.7	58.6	58.6	68.4	78.2	92.8	112.3	136.8	156.3
67.5°	44.0	44.0	44.0	48.8	48.8	53.7	63.5	73.3	87.9	107.5	122.1
70°	34.2	34.2	34.2	39.1	39.1	44.0	48.8	53.7	68.4	83.0	92.8
72.5°	24.4	24.4	29.3	29.3	29.3	34.2	39.1	44.0	53.7	63.5	68.4
75°	19.5	19.5	19.5	19.5	24.4	24.4	29.3	34.2	39.1	44.0	48.8
77.5°	9.8	9.8	14.7	14.7	14.7	19.5	19.5	24.4	29.3	34.2	34.2
80°	9.8	9.8	9.8	9.8	9.8	14.7	14.7	14.7	19.5	24.4	24.4
82.5°	4.9	4.9	4.9	4.9	4.9	9.8	9.8	9.8	14.7	14.7	14.7
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	9.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212864

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9	4195.9
2.5°	4132.4	4147.1	4147.1	4132.4	4093.3	4127.5	4161.7	4127.5	4171.5	4093.3	4093.3
5°	4132.4	4142.2	4137.3	4117.8	4078.7	4108.0	4132.4	4098.2	4132.4	4059.1	4054.3
7.5°	4142.2	4132.4	4122.6	4098.2	4049.4	4068.9	4093.3	4054.3	4088.4	4010.3	4000.5
10°	4122.6	4108.0	4088.4	4054.3	4000.5	4015.2	4029.8	3995.6	4020.1	3941.9	3937.0
12.5°	4122.6	4098.2	4068.9	4029.8	3971.2	3981.0	3995.6	3951.7	3971.2	3897.9	3888.2
15°	4132.4	4088.4	4054.3	4010.3	3946.8	3951.7	3961.4	3912.6	3932.1	3854.0	3849.1
17.5°	4098.2	4049.4	4015.2	3961.4	3893.1	3897.9	3897.9	3849.1	3863.8	3785.6	3780.7
20°	4024.9	3966.3	3927.3	3878.4	3805.1	3805.1	3805.1	3756.3	3766.1	3697.7	3687.9
22.5°	3922.4	3858.9	3819.8	3770.9	3702.6	3697.7	3692.8	3653.7	3653.7	3590.2	3575.6
25°	3785.6	3727.0	3687.9	3643.9	3575.6	3565.8	3565.8	3531.6	3526.7	3468.1	3458.3
27.5°	3629.3	3560.9	3526.7	3487.6	3424.1	3414.4	3409.5	3389.9	3380.2	3316.7	3311.8
30°	3419.3	3360.6	3331.3	3297.1	3238.5	3228.8	3223.9	3204.3	3199.4	3135.9	3135.9
32.5°	3194.6	3121.3	3101.8	3067.6	3023.6	3018.7	3023.6	2999.2	2979.6	2935.7	2925.9
35°	2925.9	2852.6	2838.0	2823.3	2789.1	2779.4	2774.5	2769.6	2745.2	2715.9	2701.2
37.5°	2613.3	2549.8	2549.8	2544.9	2520.5	2520.5	2520.5	2510.7	2486.3	2476.5	2447.2
40°	2276.2	2227.4	2232.3	2237.2	2227.4	2232.3	2237.2	2227.4	2207.9	2198.1	2173.7
42.5°	1914.8	1890.4	1909.9	1924.6	1924.6	1939.2	1949.0	1949.0	1924.6	1919.7	1900.1
45°	1553.3	1548.4	1587.5	1616.8	1626.6	1651.0	1665.7	1655.9	1655.9	1655.9	1636.4
47.5°	1216.3	1235.8	1270.0	1328.6	1348.2	1377.5	1387.2	1401.9	1397.0	1401.9	1387.2
50°	923.2	967.2	1011.1	1069.7	1099.0	1133.2	1147.9	1167.4	1167.4	1172.3	1162.5
52.5°	698.5	732.7	806.0	845.0	879.2	913.4	933.0	952.5	957.4	957.4	947.6
55°	517.8	566.6	615.5	669.2	698.5	732.7	747.4	766.9	766.9	776.7	766.9
57.5°	376.1	425.0	478.7	517.8	552.0	576.4	591.0	605.7	615.5	615.5	610.6
60°	278.4	317.5	361.5	400.5	429.8	454.3	464.0	478.7	483.6	483.6	473.8
62.5°	210.0	249.1	288.2	322.4	341.9	361.5	371.2	381.0	381.0	381.0	376.1
65°	171.0	200.3	229.6	258.9	278.4	293.1	298.0	307.7	302.8	307.7	302.8
67.5°	136.8	156.3	180.7	200.3	214.9	224.7	229.6	239.3	234.5	239.3	234.5
70°	102.6	122.1	136.8	151.4	161.2	171.0	175.8	180.7	175.8	180.7	175.8
72.5°	78.2	87.9	102.6	117.2	122.1	127.0	131.9	131.9	131.9	136.8	131.9
75°	53.7	63.5	73.3	78.2	87.9	92.8	92.8	97.7	97.7	97.7	97.7
77.5°	39.1	44.0	48.8	53.7	58.6	63.5	63.5	68.4	68.4	68.4	68.4
80°	24.4	29.3	29.3	34.2	39.1	39.1	44.0	44.0	44.0	44.0	44.0
82.5°	14.7	19.5	19.5	24.4	24.4	24.4	29.3	29.3	29.3	29.3	29.3
85°	9.8	9.8	9.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212864

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4195.9	4195.9	4195.9	4195.9
2.5°	4132.4	4108.0	4147.1	4088.4
5°	4088.4	4064.0	4112.9	4039.6
7.5°	4034.7	4010.3	4054.3	3981.0
10°	3966.3	3941.9	3981.0	3902.8
12.5°	3907.7	3883.3	3927.3	3854.0
15°	3863.8	3839.3	3878.4	3810.0
17.5°	3795.4	3766.1	3810.0	3736.8
20°	3697.7	3678.1	3712.3	3639.1
22.5°	3585.3	3565.8	3604.9	3531.6
25°	3468.1	3443.7	3482.8	3409.5
27.5°	3316.7	3297.1	3336.2	3262.9
30°	3135.9	3116.4	3155.5	3087.1
32.5°	2930.8	2911.2	2940.6	2881.9
35°	2696.3	2681.7	2711.0	2647.5
37.5°	2442.3	2427.7	2457.0	2393.5
40°	2168.8	2154.1	2178.6	2149.2
42.5°	1900.1	1885.5	1909.9	1885.5
45°	1636.4	1626.6	1651.0	1626.6
47.5°	1392.1	1382.4	1406.8	1382.4
50°	1157.7	1162.5	1172.3	1162.5
52.5°	947.6	947.6	962.3	947.6
55°	766.9	771.8	776.7	766.9
57.5°	610.6	610.6	615.5	610.6
60°	473.8	478.7	478.7	473.8
62.5°	376.1	376.1	376.1	376.1
65°	298.0	298.0	302.8	298.0
67.5°	234.5	229.6	234.5	229.6
70°	175.8	175.8	175.8	175.8
72.5°	136.8	136.8	131.9	131.9
75°	97.7	102.6	97.7	97.7
77.5°	68.4	68.4	68.4	68.4
80°	44.0	44.0	44.0	44.0
82.5°	29.3	29.3	29.3	29.3
85°	19.5	14.7	14.7	14.7
87.5°	9.8	4.9	4.9	4.9
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)