

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: P212795

Luminaire Tested: **LD6B15D010 EU6B10209730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212795
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: LD6B15D010 EU6B10209730 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1045.5 lumens
Efficiency: N/A
Efficacy: 72.7 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

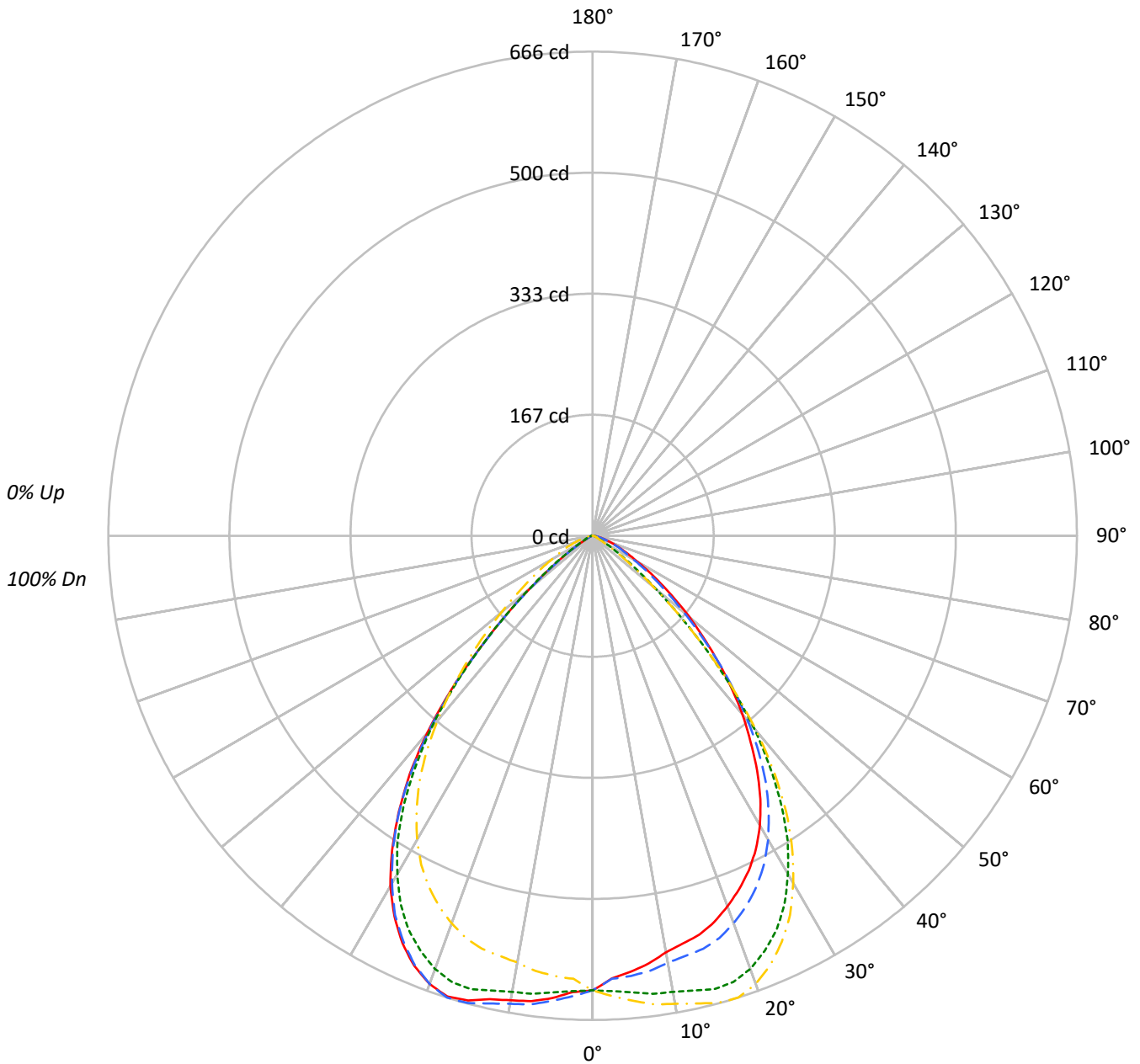
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

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°	34279	34279	34279	34279
5°	33128	34691	35131	34691
10°	32375	35459	36105	35459
15°	32225	36646	37554	36646
20°	31637	36987	38264	36987
25°	30734	36196	37430	36196
30°	29125	34005	35208	34005
35°	26408	30303	31133	30303
40°	22922	24689	25319	24689
45°	18793	17041	17157	17041
50°	14780	9560	9373	9560
55°	10924	4731	4244	4731
60°	7741	2072	1513	2072
65°	5759	1323	947	1323
70°	4199	1058	705	1058
75°	3092	763	466	763
80°	2084	695	221	695
85°	1384	440	440	440



TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	5.7
10°-20°	177.3	17.0
20°-30°	264.6	25.3
30°-40°	271.8	26.0
40°-50°	176.0	16.8
50°-60°	65.5	6.3
60°-70°	21.5	2.1
70°-80°	7.6	0.7
80°-90°	1.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	501.7	48.0
0°-40°	773.6	74.0
0°-60°	1015.1	97.1
0°-90°	1045.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	625	625	625	625	625	
5°	602	630	638	630	602	57
15°	568	646	662	646	568	160
25°	508	598	619	598	508	233
35°	395	453	465	453	395	245
45°	242	220	221	220	242	187
55°	114	50	44	50	114	104
65°	44	10	7	10	44	45
75°	15	4	2	4	15	16
85°	2	1	1	1	2	3
90°	0	0	0	0	0	



TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	609.3	618.0	612.2	615.8	610.0	610.0	621.7	615.1	620.2	615.1	610.0
5°	602.0	612.9	605.7	609.3	604.2	604.9	615.8	610.8	615.8	612.2	607.8
7.5°	593.3	604.2	597.6	601.3	596.2	597.6	609.3	604.2	610.0	606.4	603.5
10°	581.6	593.3	587.5	591.1	586.7	587.5	599.1	595.5	600.6	598.4	596.2
12.5°	574.4	585.3	578.7	582.4	579.5	580.9	591.8	588.9	595.5	593.3	591.8
15°	567.8	578.0	572.2	575.8	573.6	574.4	586.0	583.1	590.4	588.9	588.2
17.5°	556.9	567.8	561.3	565.6	563.4	564.2	575.8	573.6	580.9	580.9	580.2
20°	542.3	553.2	548.1	551.1	549.6	551.1	561.3	559.8	567.1	567.1	567.1
22.5°	526.3	537.2	531.4	534.3	532.9	535.0	544.5	544.5	550.3	551.1	551.8
25°	508.1	519.0	513.2	516.8	515.4	516.8	525.6	526.3	531.4	531.4	532.9
27.5°	486.3	497.2	491.4	494.3	493.6	494.3	503.7	505.2	508.1	508.8	510.3
30°	460.1	470.3	464.4	467.3	467.3	467.3	476.8	477.5	480.4	481.2	482.6
32.5°	429.5	438.2	433.9	436.8	436.0	437.5	444.1	447.0	450.6	449.9	450.6
35°	394.6	404.0	399.6	401.8	402.6	404.7	409.1	412.7	413.5	414.2	415.7
37.5°	356.7	366.2	361.8	364.0	364.7	369.1	370.5	374.2	375.6	375.6	375.6
40°	320.3	324.7	321.0	323.2	323.9	327.6	329.0	331.9	333.4	332.7	331.9
42.5°	281.0	284.6	281.0	283.2	283.2	286.1	286.8	290.5	290.5	289.0	286.8
45°	242.4	246.0	242.4	243.9	243.9	246.8	246.8	246.8	248.2	246.0	242.4
47.5°	206.0	209.7	206.0	207.5	206.7	208.9	208.2	208.9	206.7	205.3	200.9
50°	173.3	174.7	173.3	172.5	173.3	174.7	174.0	174.0	171.1	168.9	163.8
52.5°	141.2	143.4	141.2	141.2	141.2	142.7	142.7	142.0	139.0	136.1	131.0
55°	114.3	115.7	115.0	114.3	114.3	115.7	114.3	114.3	111.4	109.2	104.1
57.5°	91.0	91.7	91.0	91.0	91.0	91.7	91.7	90.3	88.1	85.9	82.3
60°	70.6	71.3	71.3	70.6	70.6	72.1	72.1	71.3	69.2	67.7	64.1
62.5°	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8	55.3	53.9	51.0
65°	44.4	45.1	44.4	44.4	45.1	45.9	45.1	45.9	44.4	43.7	41.5
67.5°	34.2	34.9	34.2	34.9	34.9	35.7	34.9	35.7	34.2	33.5	32.0
70°	26.2	26.2	26.2	26.2	26.2	26.9	26.2	26.9	26.2	25.5	24.0
72.5°	19.7	19.7	20.4	20.4	19.7	20.4	19.7	19.7	19.7	18.9	18.2
75°	14.6	14.6	15.3	14.6	14.6	14.6	14.6	14.6	13.8	13.8	13.1
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.5	9.5	8.7
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	5.8	5.8
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.6	3.6
85°	2.2	2.2	2.2	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.7	0.7	0.7	1.5	0.7	0.7	1.5	1.5	0.7	0.7	0.7
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: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	615.8	618.0	618.0	615.8	620.9	616.6	625.3	617.3	619.5	626.8	626.0
5°	613.7	616.6	617.3	615.8	622.4	618.8	627.5	619.5	623.1	630.4	630.4
7.5°	610.8	614.4	615.8	617.3	623.1	619.5	629.7	621.7	626.8	635.5	634.8
10°	604.2	609.3	612.2	614.4	620.2	618.0	629.0	622.4	626.8	637.0	636.2
12.5°	600.6	606.4	610.8	614.4	620.9	619.5	630.4	624.6	630.4	640.6	640.6
15°	597.6	604.2	609.3	615.8	622.4	620.9	632.6	627.5	633.3	645.7	645.0
17.5°	590.4	598.4	603.5	610.8	617.3	616.6	629.0	625.3	631.9	643.5	644.2
20°	578.0	585.3	591.1	599.8	607.1	605.7	618.8	615.1	621.7	634.0	634.8
22.5°	562.0	569.3	575.1	584.5	591.1	590.4	603.5	599.8	606.4	618.0	618.8
25°	543.1	549.6	555.4	564.2	571.4	571.4	583.1	579.5	586.7	598.4	598.4
27.5°	519.8	525.6	530.7	540.9	546.7	546.7	557.6	554.0	561.3	571.4	570.7
30°	491.4	496.5	500.8	509.6	514.7	515.4	524.9	521.2	528.5	537.2	537.2
32.5°	457.2	462.2	465.2	476.1	479.7	479.0	486.3	482.6	489.9	499.4	497.2
35°	420.8	422.9	425.1	436.0	437.5	434.6	441.9	438.2	443.3	452.8	451.3
37.5°	379.3	380.0	380.0	389.5	390.2	388.0	392.4	388.0	391.6	400.4	399.6
40°	333.4	332.7	331.9	339.2	338.5	334.1	337.0	333.4	338.5	345.0	341.4
42.5°	286.8	284.6	281.7	285.4	282.4	278.8	280.3	274.4	278.1	283.2	278.8
45°	241.0	236.6	230.8	231.5	227.8	223.5	221.3	215.5	214.7	219.8	216.2
47.5°	198.0	189.3	184.2	181.3	175.4	171.8	167.4	160.9	158.0	160.9	157.2
50°	159.4	150.7	144.1	137.6	131.8	127.4	120.1	115.7	111.4	112.1	109.2
52.5°	125.9	120.1	109.2	104.1	98.3	93.2	86.6	81.5	76.4	76.4	73.5
55°	99.7	91.7	84.4	77.2	71.3	67.0	60.4	55.3	50.2	49.5	46.6
57.5°	77.2	71.3	63.3	56.1	52.4	48.0	41.5	35.7	32.8	30.6	28.4
60°	59.7	53.9	47.3	41.5	37.1	34.2	27.7	23.3	20.4	18.9	16.7
62.5°	48.0	42.9	37.1	31.3	28.4	25.5	20.4	16.7	13.8	12.4	10.9
65°	38.6	34.2	29.8	25.5	23.3	20.4	16.7	13.8	11.6	10.2	8.7
67.5°	29.8	26.9	23.3	20.4	18.2	16.0	13.1	10.9	9.5	8.0	7.3
70°	22.6	20.4	18.2	15.3	13.8	12.4	10.2	8.0	7.3	6.6	5.8
72.5°	17.5	15.3	13.1	11.6	10.2	9.5	8.0	6.6	5.8	5.1	4.4
75°	11.6	10.9	9.5	8.0	7.3	6.6	5.8	5.1	4.4	3.6	3.6
77.5°	8.0	7.3	6.6	5.8	5.1	5.1	4.4	3.6	2.9	2.9	2.2
80°	5.1	4.4	4.4	3.6	3.6	3.6	2.9	2.2	2.2	2.2	1.5
82.5°	3.6	2.9	2.9	2.2	2.2	2.2	2.2	1.5	1.5	1.5	0.7
85°	2.2	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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



TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	620.2	626.8	626.8	632.6	633.3	631.9	625.3	625.3	634.0	639.1	630.4
5°	626.0	632.6	632.6	638.4	641.3	639.1	632.6	633.3	642.1	647.9	639.1
7.5°	631.1	637.7	639.1	645.7	647.9	645.7	639.1	640.6	650.1	655.2	646.4
10°	633.3	639.9	640.6	647.9	650.8	647.9	642.8	643.5	653.7	657.3	649.3
12.5°	638.4	645.0	645.0	653.0	655.9	653.7	647.1	648.6	658.8	662.4	654.4
15°	643.5	650.1	650.1	658.8	662.4	659.5	654.4	655.2	665.3	669.0	662.4
17.5°	643.5	649.3	649.3	658.8	662.4	660.3	654.4	655.2	666.1	669.0	662.4
20°	634.0	640.6	639.1	648.6	652.2	650.1	645.0	645.0	655.9	658.8	652.2
22.5°	618.8	624.6	623.1	631.9	636.2	633.3	629.0	628.2	639.1	642.1	635.5
25°	597.6	603.5	602.0	610.8	615.1	611.5	606.4	607.1	615.8	620.2	614.4
27.5°	572.9	576.5	574.4	583.1	587.5	583.8	578.7	579.5	588.2	591.1	586.7
30°	539.4	542.3	540.1	547.4	550.3	548.1	543.8	543.8	551.8	555.4	551.1
32.5°	499.4	501.6	499.4	505.2	511.0	506.7	502.3	502.3	511.0	513.9	508.8
35°	452.8	455.0	453.5	459.3	463.7	457.9	454.2	452.8	464.4	463.0	460.1
37.5°	401.1	402.6	398.2	408.4	410.6	404.0	401.1	399.6	409.8	409.1	406.2
40°	342.9	344.3	341.4	348.7	349.4	344.3	342.1	340.0	350.1	349.4	347.2
42.5°	281.0	281.7	278.1	283.9	285.4	280.3	279.5	276.6	286.1	284.6	283.9
45°	216.9	216.9	214.0	218.4	219.8	215.5	214.0	213.3	219.8	219.8	218.4
47.5°	157.2	155.1	151.4	158.0	158.7	155.8	155.1	152.9	159.4	159.4	158.0
50°	107.7	107.0	106.3	107.7	108.5	104.8	107.0	104.8	108.5	108.5	108.5
52.5°	72.1	71.3	69.9	71.3	71.3	69.2	69.2	68.4	71.3	71.3	69.9
55°	45.1	44.4	43.7	44.4	44.4	42.2	43.7	42.2	43.7	43.7	42.9
57.5°	27.7	26.2	26.2	25.5	25.5	24.0	24.8	24.8	24.8	24.8	24.8
60°	16.0	15.3	14.6	14.6	14.6	13.8	13.8	13.8	13.8	13.8	13.8
62.5°	10.2	10.2	9.5	9.5	9.5	9.5	9.5	8.7	9.5	9.5	9.5
65°	8.7	8.0	8.0	8.0	8.0	7.3	7.3	7.3	7.3	7.3	7.3
67.5°	7.3	6.6	6.6	6.6	6.6	5.8	5.8	5.8	5.8	5.8	5.8
70°	5.8	5.1	5.1	5.1	5.1	5.1	4.4	5.1	5.1	4.4	4.4
72.5°	4.4	4.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.9	2.9	2.9	2.9	2.9	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.7	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: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	640.6	633.3	629.7	637.0	639.9	636.2	633.3	628.2	633.3	636.2	639.9
5°	649.3	642.8	639.9	645.0	649.3	645.7	643.5	638.4	643.5	645.7	649.3
7.5°	657.3	650.8	647.1	652.2	657.3	652.2	650.1	645.7	650.1	652.2	657.3
10°	660.3	653.0	650.1	654.4	659.5	654.4	651.5	648.6	651.5	654.4	659.5
12.5°	665.3	658.1	654.4	658.1	663.2	658.1	655.2	653.0	655.2	658.1	663.2
15°	672.6	666.1	661.7	665.3	671.9	666.1	662.4	661.7	662.4	666.1	671.9
17.5°	672.6	667.5	663.2	666.1	672.6	668.3	663.2	664.6	663.2	668.3	672.6
20°	663.2	658.1	654.4	654.4	663.9	658.1	653.7	655.9	653.7	658.1	663.9
22.5°	646.4	642.1	638.4	637.7	647.1	642.1	636.2	640.6	636.2	642.1	647.1
25°	624.6	620.2	617.3	615.8	625.3	619.5	614.4	618.8	614.4	619.5	625.3
27.5°	596.2	592.6	589.6	587.5	596.2	591.1	586.0	590.4	586.0	591.1	596.2
30°	559.8	557.6	554.7	551.8	560.5	555.4	550.3	556.2	550.3	555.4	560.5
32.5°	517.6	516.1	512.5	509.6	518.3	512.5	508.8	513.2	508.8	512.5	518.3
35°	468.8	466.6	464.4	459.3	468.8	463.7	463.7	465.2	463.7	463.7	468.8
37.5°	414.2	412.7	409.8	405.5	413.5	409.8	408.4	412.7	408.4	409.8	413.5
40°	353.1	352.3	350.1	345.0	353.8	350.1	348.0	353.8	348.0	350.1	353.8
42.5°	289.0	287.5	285.4	284.6	289.0	286.1	288.3	288.3	288.3	286.1	289.0
45°	222.8	221.3	219.8	216.9	222.0	220.6	219.8	221.3	219.8	220.6	222.0
47.5°	161.6	160.1	158.7	156.5	161.6	159.4	159.4	160.9	159.4	159.4	161.6
50°	108.5	109.2	108.5	107.0	108.5	107.7	108.5	109.9	108.5	107.7	108.5
52.5°	72.1	72.1	70.6	69.9	71.3	70.6	72.8	71.3	72.8	70.6	71.3
55°	43.7	44.4	43.7	42.9	43.7	42.9	45.1	44.4	45.1	42.9	43.7
57.5°	24.8	24.8	25.5	24.8	26.2	25.5	25.5	25.5	25.5	25.5	26.2
60°	13.8	13.8	13.8	13.8	13.8	13.8	14.6	13.8	14.6	13.8	13.8
62.5°	9.5	9.5	9.5	8.7	9.5	8.7	9.5	9.5	9.5	8.7	9.5
65°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
67.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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



TEST NUMBER: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	637.0	629.7	633.3	640.6	630.4	639.1	634.0	625.3	625.3	631.9	633.3
5°	645.0	639.9	642.8	649.3	639.1	647.9	642.1	633.3	632.6	639.1	641.3
7.5°	652.2	647.1	650.8	657.3	646.4	655.2	650.1	640.6	639.1	645.7	647.9
10°	654.4	650.1	653.0	660.3	649.3	657.3	653.7	643.5	642.8	647.9	650.8
12.5°	658.1	654.4	658.1	665.3	654.4	662.4	658.8	648.6	647.1	653.7	655.9
15°	665.3	661.7	666.1	672.6	662.4	669.0	665.3	655.2	654.4	659.5	662.4
17.5°	666.1	663.2	667.5	672.6	662.4	669.0	666.1	655.2	654.4	660.3	662.4
20°	654.4	654.4	658.1	663.2	652.2	658.8	655.9	645.0	645.0	650.1	652.2
22.5°	637.7	638.4	642.1	646.4	635.5	642.1	639.1	628.2	629.0	633.3	636.2
25°	615.8	617.3	620.2	624.6	614.4	620.2	615.8	607.1	606.4	611.5	615.1
27.5°	587.5	589.6	592.6	596.2	586.7	591.1	588.2	579.5	578.7	583.8	587.5
30°	551.8	554.7	557.6	559.8	551.1	555.4	551.8	543.8	543.8	548.1	550.3
32.5°	509.6	512.5	516.1	517.6	508.8	513.9	511.0	502.3	502.3	506.7	511.0
35°	459.3	464.4	466.6	468.8	460.1	463.0	464.4	452.8	454.2	457.9	463.7
37.5°	405.5	409.8	412.7	414.2	406.2	409.1	409.8	399.6	401.1	404.0	410.6
40°	345.0	350.1	352.3	353.1	347.2	349.4	350.1	340.0	342.1	344.3	349.4
42.5°	284.6	285.4	287.5	289.0	283.9	284.6	286.1	276.6	279.5	280.3	285.4
45°	216.9	219.8	221.3	222.8	218.4	219.8	219.8	213.3	214.0	215.5	219.8
47.5°	156.5	158.7	160.1	161.6	158.0	159.4	159.4	152.9	155.1	155.8	158.7
50°	107.0	108.5	109.2	108.5	108.5	108.5	108.5	104.8	107.0	104.8	108.5
52.5°	69.9	70.6	72.1	72.1	69.9	71.3	71.3	68.4	69.2	69.2	71.3
55°	42.9	43.7	44.4	43.7	42.9	43.7	43.7	42.2	43.7	42.2	44.4
57.5°	24.8	25.5	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.0	25.5
60°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	14.6
62.5°	8.7	9.5	9.5	9.5	9.5	9.5	9.5	8.7	9.5	9.5	9.5
65°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	8.0
67.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.6
70°	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	4.4	5.1	5.1
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7
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: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	632.6	626.8	626.8	620.2	626.0	626.8	619.5	617.3	625.3	616.6	620.9
5°	638.4	632.6	632.6	626.0	630.4	630.4	623.1	619.5	627.5	618.8	622.4
7.5°	645.7	639.1	637.7	631.1	634.8	635.5	626.8	621.7	629.7	619.5	623.1
10°	647.9	640.6	639.9	633.3	636.2	637.0	626.8	622.4	629.0	618.0	620.2
12.5°	653.0	645.0	645.0	638.4	640.6	640.6	630.4	624.6	630.4	619.5	620.9
15°	658.8	650.1	650.1	643.5	645.0	645.7	633.3	627.5	632.6	620.9	622.4
17.5°	658.8	649.3	649.3	643.5	644.2	643.5	631.9	625.3	629.0	616.6	617.3
20°	648.6	639.1	640.6	634.0	634.8	634.0	621.7	615.1	618.8	605.7	607.1
22.5°	631.9	623.1	624.6	618.8	618.8	618.0	606.4	599.8	603.5	590.4	591.1
25°	610.8	602.0	603.5	597.6	598.4	598.4	586.7	579.5	583.1	571.4	571.4
27.5°	583.1	574.4	576.5	572.9	570.7	571.4	561.3	554.0	557.6	546.7	546.7
30°	547.4	540.1	542.3	539.4	537.2	537.2	528.5	521.2	524.9	515.4	514.7
32.5°	505.2	499.4	501.6	499.4	497.2	499.4	489.9	482.6	486.3	479.0	479.7
35°	459.3	453.5	455.0	452.8	451.3	452.8	443.3	438.2	441.9	434.6	437.5
37.5°	408.4	398.2	402.6	401.1	399.6	400.4	391.6	388.0	392.4	388.0	390.2
40°	348.7	341.4	344.3	342.9	341.4	345.0	338.5	333.4	337.0	334.1	338.5
42.5°	283.9	278.1	281.7	281.0	278.8	283.2	278.1	274.4	280.3	278.8	282.4
45°	218.4	214.0	216.9	216.9	216.2	219.8	214.7	215.5	221.3	223.5	227.8
47.5°	158.0	151.4	155.1	157.2	157.2	160.9	158.0	160.9	167.4	171.8	175.4
50°	107.7	106.3	107.0	107.7	109.2	112.1	111.4	115.7	120.1	127.4	131.8
52.5°	71.3	69.9	71.3	72.1	73.5	76.4	76.4	81.5	86.6	93.2	98.3
55°	44.4	43.7	44.4	45.1	46.6	49.5	50.2	55.3	60.4	67.0	71.3
57.5°	25.5	26.2	26.2	27.7	28.4	30.6	32.8	35.7	41.5	48.0	52.4
60°	14.6	14.6	15.3	16.0	16.7	18.9	20.4	23.3	27.7	34.2	37.1
62.5°	9.5	9.5	10.2	10.2	10.9	12.4	13.8	16.7	20.4	25.5	28.4
65°	8.0	8.0	8.0	8.7	8.7	10.2	11.6	13.8	16.7	20.4	23.3
67.5°	6.6	6.6	6.6	7.3	7.3	8.0	9.5	10.9	13.1	16.0	18.2
70°	5.1	5.1	5.1	5.8	5.8	6.6	7.3	8.0	10.2	12.4	13.8
72.5°	3.6	3.6	4.4	4.4	4.4	5.1	5.8	6.6	8.0	9.5	10.2
75°	2.9	2.9	2.9	2.9	3.6	3.6	4.4	5.1	5.8	6.6	7.3
77.5°	1.5	1.5	2.2	2.2	2.2	2.9	2.9	3.6	4.4	5.1	5.1
80°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.9	3.6	3.6
82.5°	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	615.8	618.0	618.0	615.8	610.0	615.1	620.2	615.1	621.7	610.0	610.0
5°	615.8	617.3	616.6	613.7	607.8	612.2	615.8	610.8	615.8	604.9	604.2
7.5°	617.3	615.8	614.4	610.8	603.5	606.4	610.0	604.2	609.3	597.6	596.2
10°	614.4	612.2	609.3	604.2	596.2	598.4	600.6	595.5	599.1	587.5	586.7
12.5°	614.4	610.8	606.4	600.6	591.8	593.3	595.5	588.9	591.8	580.9	579.5
15°	615.8	609.3	604.2	597.6	588.2	588.9	590.4	583.1	586.0	574.4	573.6
17.5°	610.8	603.5	598.4	590.4	580.2	580.9	580.9	573.6	575.8	564.2	563.4
20°	599.8	591.1	585.3	578.0	567.1	567.1	567.1	559.8	561.3	551.1	549.6
22.5°	584.5	575.1	569.3	562.0	551.8	551.1	550.3	544.5	544.5	535.0	532.9
25°	564.2	555.4	549.6	543.1	532.9	531.4	531.4	526.3	525.6	516.8	515.4
27.5°	540.9	530.7	525.6	519.8	510.3	508.8	508.1	505.2	503.7	494.3	493.6
30°	509.6	500.8	496.5	491.4	482.6	481.2	480.4	477.5	476.8	467.3	467.3
32.5°	476.1	465.2	462.2	457.2	450.6	449.9	450.6	447.0	444.1	437.5	436.0
35°	436.0	425.1	422.9	420.8	415.7	414.2	413.5	412.7	409.1	404.7	402.6
37.5°	389.5	380.0	380.0	379.3	375.6	375.6	375.6	374.2	370.5	369.1	364.7
40°	339.2	331.9	332.7	333.4	331.9	332.7	333.4	331.9	329.0	327.6	323.9
42.5°	285.4	281.7	284.6	286.8	286.8	289.0	290.5	290.5	286.8	286.1	283.2
45°	231.5	230.8	236.6	241.0	242.4	246.0	248.2	246.8	246.8	246.8	243.9
47.5°	181.3	184.2	189.3	198.0	200.9	205.3	206.7	208.9	208.2	208.9	206.7
50°	137.6	144.1	150.7	159.4	163.8	168.9	171.1	174.0	174.0	174.7	173.3
52.5°	104.1	109.2	120.1	125.9	131.0	136.1	139.0	142.0	142.7	142.7	141.2
55°	77.2	84.4	91.7	99.7	104.1	109.2	111.4	114.3	114.3	115.7	114.3
57.5°	56.1	63.3	71.3	77.2	82.3	85.9	88.1	90.3	91.7	91.7	91.0
60°	41.5	47.3	53.9	59.7	64.1	67.7	69.2	71.3	72.1	72.1	70.6
62.5°	31.3	37.1	42.9	48.0	51.0	53.9	55.3	56.8	56.8	56.8	56.1
65°	25.5	29.8	34.2	38.6	41.5	43.7	44.4	45.9	45.1	45.9	45.1
67.5°	20.4	23.3	26.9	29.8	32.0	33.5	34.2	35.7	34.9	35.7	34.9
70°	15.3	18.2	20.4	22.6	24.0	25.5	26.2	26.9	26.2	26.9	26.2
72.5°	11.6	13.1	15.3	17.5	18.2	18.9	19.7	19.7	19.7	20.4	19.7
75°	8.0	9.5	10.9	11.6	13.1	13.8	13.8	14.6	14.6	14.6	14.6
77.5°	5.8	6.6	7.3	8.0	8.7	9.5	9.5	10.2	10.2	10.2	10.2
80°	3.6	4.4	4.4	5.1	5.8	5.8	6.6	6.6	6.6	6.6	6.6
82.5°	2.2	2.9	2.9	3.6	3.6	3.6	4.4	4.4	4.4	4.4	4.4
85°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	0.7	0.7
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: P212795

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	625.3	625.3	625.3	625.3
2.5°	615.8	612.2	618.0	609.3
5°	609.3	605.7	612.9	602.0
7.5°	601.3	597.6	604.2	593.3
10°	591.1	587.5	593.3	581.6
12.5°	582.4	578.7	585.3	574.4
15°	575.8	572.2	578.0	567.8
17.5°	565.6	561.3	567.8	556.9
20°	551.1	548.1	553.2	542.3
22.5°	534.3	531.4	537.2	526.3
25°	516.8	513.2	519.0	508.1
27.5°	494.3	491.4	497.2	486.3
30°	467.3	464.4	470.3	460.1
32.5°	436.8	433.9	438.2	429.5
35°	401.8	399.6	404.0	394.6
37.5°	364.0	361.8	366.2	356.7
40°	323.2	321.0	324.7	320.3
42.5°	283.2	281.0	284.6	281.0
45°	243.9	242.4	246.0	242.4
47.5°	207.5	206.0	209.7	206.0
50°	172.5	173.3	174.7	173.3
52.5°	141.2	141.2	143.4	141.2
55°	114.3	115.0	115.7	114.3
57.5°	91.0	91.0	91.7	91.0
60°	70.6	71.3	71.3	70.6
62.5°	56.1	56.1	56.1	56.1
65°	44.4	44.4	45.1	44.4
67.5°	34.9	34.2	34.9	34.2
70°	26.2	26.2	26.2	26.2
72.5°	20.4	20.4	19.7	19.7
75°	14.6	15.3	14.6	14.6
77.5°	10.2	10.2	10.2	10.2
80°	6.6	6.6	6.6	6.6
82.5°	4.4	4.4	4.4	4.4
85°	2.9	2.2	2.2	2.2
87.5°	1.5	0.7	0.7	0.7
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)