

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: P212782

Luminaire Tested: **LD6B10D010 EU6B10209730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212782
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: LD6B10D010 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: 758.0 lumens
Efficiency: N/A
Efficacy: 75.4 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

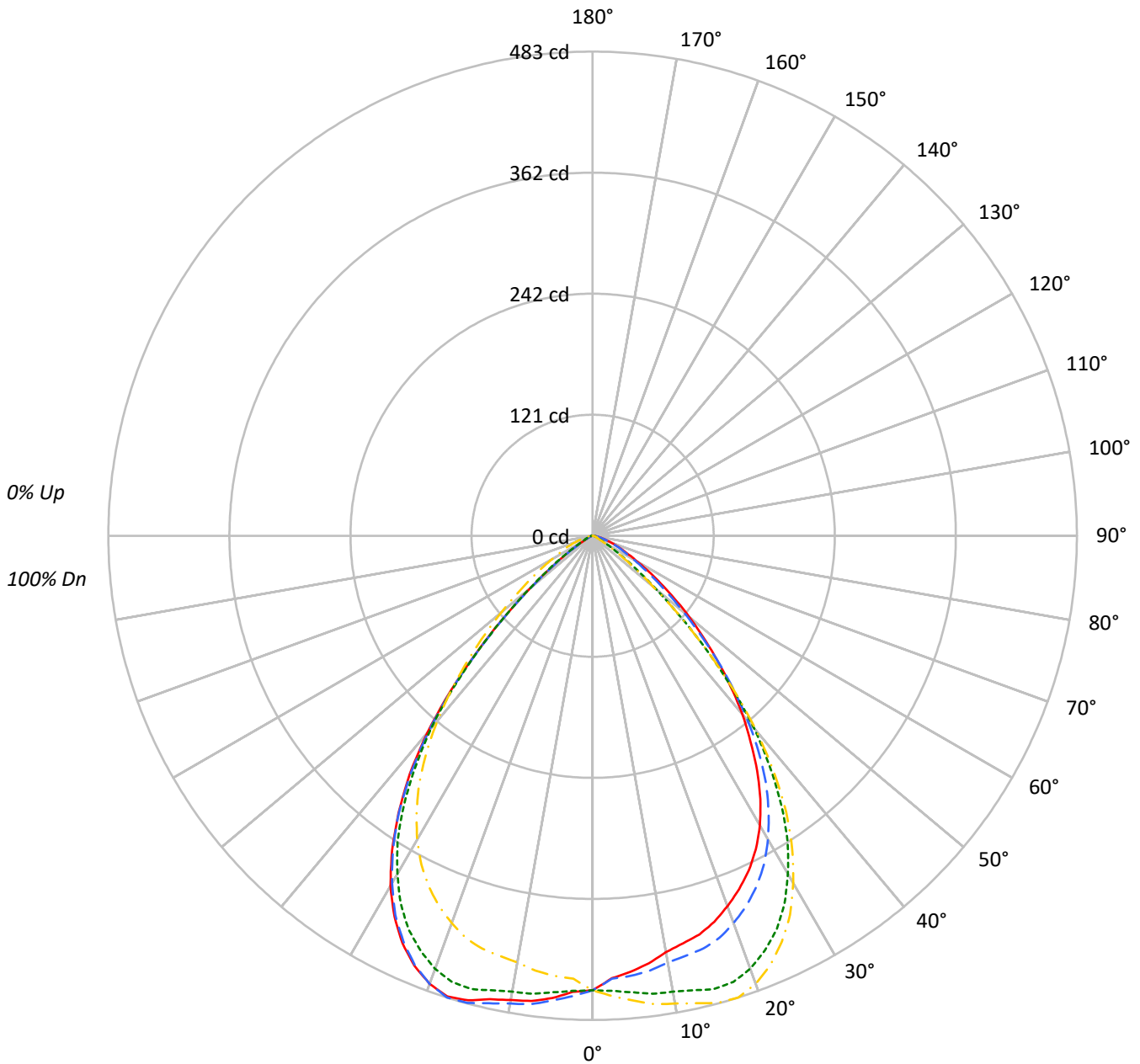
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212782

CATALOG NUMBER: LD6B10D010 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°	24855	24855	24855	24855
5°	24020	25154	25473	25154
10°	23474	25706	26180	25706
15°	23366	26567	27231	26567
20°	22939	26818	27740	26818
25°	22284	26239	27135	26239
30°	21117	24656	25523	24656
35°	19147	21971	22573	21971
40°	16617	17905	18356	17905
45°	13629	12358	12435	12358
50°	10712	6934	6797	6934
55°	7923	3431	3078	3431
60°	5614	1502	1096	1502
65°	4177	960	687	960
70°	3045	769	513	769
75°	2245	551	339	551
80°	1515	505	158	505
85°	1006	314	314	314



TEST NUMBER: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	5.7
10°-20°	128.5	17.0
20°-30°	191.8	25.3
30°-40°	197.1	26.0
40°-50°	127.6	16.8
50°-60°	47.5	6.3
60°-70°	15.6	2.1
70°-80°	5.5	0.7
80°-90°	1.0	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°	363.8	48.0
0°-40°	560.9	74.0
0°-60°	735.9	97.1
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	453	453	453	453	453	
5°	436	457	463	457	436	41
15°	412	468	480	468	412	116
25°	368	434	449	434	368	169
35°	286	328	337	328	286	178
45°	176	159	160	159	176	136
55°	83	36	32	36	83	76
65°	32	7	5	7	32	33
75°	11	3	2	3	11	12
85°	2	0	0	0	2	2
90°	0	0	0	0	0	



TEST NUMBER: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	441.8	448.1	443.9	446.5	442.3	442.3	450.7	446.0	449.7	446.0	442.3
5°	436.5	444.4	439.1	441.8	438.1	438.6	446.5	442.8	446.5	443.9	440.7
7.5°	430.1	438.1	433.3	435.9	432.3	433.3	441.8	438.1	442.3	439.6	437.5
10°	421.7	430.1	425.9	428.6	425.4	425.9	434.4	431.7	435.4	433.8	432.3
12.5°	416.4	424.3	419.6	422.2	420.1	421.2	429.1	427.0	431.7	430.1	429.1
15°	411.7	419.1	414.8	417.5	415.9	416.4	424.9	422.8	428.0	427.0	426.4
17.5°	403.8	411.7	406.9	410.1	408.5	409.0	417.5	415.9	421.2	421.2	420.6
20°	393.2	401.1	397.4	399.5	398.5	399.5	406.9	405.9	411.1	411.1	411.1
22.5°	381.6	389.5	385.3	387.4	386.3	387.9	394.8	394.8	399.0	399.5	400.1
25°	368.4	376.3	372.1	374.7	373.7	374.7	381.1	381.6	385.3	385.3	386.3
27.5°	352.6	360.5	356.3	358.4	357.8	358.4	365.2	366.3	368.4	368.9	370.0
30°	333.6	340.9	336.7	338.8	338.8	338.8	345.7	346.2	348.3	348.9	349.9
32.5°	311.4	317.7	314.6	316.7	316.1	317.2	321.9	324.1	326.7	326.2	326.7
35°	286.1	292.9	289.8	291.3	291.9	293.4	296.6	299.3	299.8	300.3	301.4
37.5°	258.6	265.5	262.3	263.9	264.4	267.6	268.6	271.3	272.3	272.3	272.3
40°	232.2	235.4	232.8	234.3	234.9	237.5	238.6	240.7	241.7	241.2	240.7
42.5°	203.7	206.4	203.7	205.3	205.3	207.4	207.9	210.6	210.6	209.5	207.9
45°	175.8	178.4	175.8	176.8	176.8	178.9	178.9	178.9	180.0	178.4	175.8
47.5°	149.4	152.0	149.4	150.4	149.9	151.5	150.9	151.5	149.9	148.8	145.7
50°	125.6	126.7	125.6	125.1	125.6	126.7	126.1	126.1	124.0	122.4	118.8
52.5°	102.4	104.0	102.4	102.4	102.4	103.4	103.4	102.9	100.8	98.7	95.0
55°	82.9	83.9	83.4	82.9	82.9	83.9	82.9	82.9	80.8	79.2	75.5
57.5°	66.0	66.5	66.0	66.0	66.0	66.5	66.5	65.4	63.9	62.3	59.6
60°	51.2	51.7	51.7	51.2	51.2	52.3	52.3	51.7	50.1	49.1	46.4
62.5°	40.6	40.6	40.6	40.6	40.6	41.2	41.2	41.2	40.1	39.1	36.9
65°	32.2	32.7	32.2	32.2	32.7	33.3	32.7	33.3	32.2	31.7	30.1
67.5°	24.8	25.3	24.8	25.3	25.3	25.9	25.3	25.9	24.8	24.3	23.2
70°	19.0	19.0	19.0	19.0	19.0	19.5	19.0	19.5	19.0	18.5	17.4
72.5°	14.3	14.3	14.8	14.8	14.3	14.8	14.3	14.3	14.3	13.7	13.2
75°	10.6	10.6	11.1	10.6	10.6	10.6	10.6	10.6	10.0	10.0	9.5
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.9	6.9	6.3
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.2	4.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.6	2.6
85°	1.6	1.6	1.6	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.5	0.5	0.5	1.1	0.5	0.5	1.1	1.1	0.5	0.5	0.5
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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	446.5	448.1	448.1	446.5	450.2	447.0	453.4	447.6	449.1	454.4	453.9
5°	444.9	447.0	447.6	446.5	451.3	448.6	454.9	449.1	451.8	457.1	457.1
7.5°	442.8	445.4	446.5	447.6	451.8	449.1	456.5	450.7	454.4	460.8	460.2
10°	438.1	441.8	443.9	445.4	449.7	448.1	456.0	451.3	454.4	461.8	461.3
12.5°	435.4	439.6	442.8	445.4	450.2	449.1	457.1	452.8	457.1	464.4	464.4
15°	433.3	438.1	441.8	446.5	451.3	450.2	458.6	454.9	459.2	468.1	467.6
17.5°	428.0	433.8	437.5	442.8	447.6	447.0	456.0	453.4	458.1	466.6	467.1
20°	419.1	424.3	428.6	434.9	440.2	439.1	448.6	446.0	450.7	459.7	460.2
22.5°	407.4	412.7	416.9	423.8	428.6	428.0	437.5	434.9	439.6	448.1	448.6
25°	393.7	398.5	402.7	409.0	414.3	414.3	422.8	420.1	425.4	433.8	433.8
27.5°	376.8	381.1	384.8	392.1	396.4	396.4	404.3	401.6	406.9	414.3	413.8
30°	356.3	359.9	363.1	369.4	373.1	373.7	380.5	377.9	383.2	389.5	389.5
32.5°	331.4	335.1	337.3	345.2	347.8	347.3	352.6	349.9	355.2	362.1	360.5
35°	305.1	306.6	308.2	316.1	317.2	315.1	320.4	317.7	321.4	328.3	327.2
37.5°	275.0	275.5	275.5	282.4	282.9	281.3	284.5	281.3	283.9	290.3	289.8
40°	241.7	241.2	240.7	245.9	245.4	242.3	244.4	241.7	245.4	250.2	247.5
42.5°	207.9	206.4	204.3	206.9	204.8	202.1	203.2	199.0	201.6	205.3	202.1
45°	174.7	171.5	167.3	167.8	165.2	162.0	160.4	156.2	155.7	159.4	156.8
47.5°	143.6	137.2	133.5	131.4	127.2	124.6	121.4	116.6	114.5	116.6	114.0
50°	115.6	109.3	104.5	99.8	95.5	92.4	87.1	83.9	80.8	81.3	79.2
52.5°	91.3	87.1	79.2	75.5	71.3	67.6	62.8	59.1	55.4	55.4	53.3
55°	72.3	66.5	61.2	55.9	51.7	48.6	43.8	40.1	36.4	35.9	33.8
57.5°	55.9	51.7	45.9	40.6	38.0	34.8	30.1	25.9	23.8	22.2	20.6
60°	43.3	39.1	34.3	30.1	26.9	24.8	20.1	16.9	14.8	13.7	12.1
62.5°	34.8	31.1	26.9	22.7	20.6	18.5	14.8	12.1	10.0	9.0	7.9
65°	28.0	24.8	21.6	18.5	16.9	14.8	12.1	10.0	8.4	7.4	6.3
67.5°	21.6	19.5	16.9	14.8	13.2	11.6	9.5	7.9	6.9	5.8	5.3
70°	16.4	14.8	13.2	11.1	10.0	9.0	7.4	5.8	5.3	4.8	4.2
72.5°	12.7	11.1	9.5	8.4	7.4	6.9	5.8	4.8	4.2	3.7	3.2
75°	8.4	7.9	6.9	5.8	5.3	4.8	4.2	3.7	3.2	2.6	2.6
77.5°	5.8	5.3	4.8	4.2	3.7	3.7	3.2	2.6	2.1	2.1	1.6
80°	3.7	3.2	3.2	2.6	2.6	2.6	2.1	1.6	1.6	1.6	1.1
82.5°	2.6	2.1	2.1	1.6	1.6	1.6	1.6	1.1	1.1	1.1	0.5
85°	1.6	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	449.7	454.4	454.4	458.6	459.2	458.1	453.4	453.4	459.7	463.4	457.1
5°	453.9	458.6	458.6	462.9	465.0	463.4	458.6	459.2	465.5	469.7	463.4
7.5°	457.6	462.3	463.4	468.1	469.7	468.1	463.4	464.4	471.3	475.0	468.7
10°	459.2	463.9	464.4	469.7	471.8	469.7	466.0	466.6	473.9	476.6	470.8
12.5°	462.9	467.6	467.6	473.4	475.5	473.9	469.2	470.3	477.6	480.3	474.5
15°	466.6	471.3	471.3	477.6	480.3	478.2	474.5	475.0	482.4	485.0	480.3
17.5°	466.6	470.8	470.8	477.6	480.3	478.7	474.5	475.0	482.9	485.0	480.3
20°	459.7	464.4	463.4	470.3	472.9	471.3	467.6	467.6	475.5	477.6	472.9
22.5°	448.6	452.8	451.8	458.1	461.3	459.2	456.0	455.5	463.4	465.5	460.8
25°	433.3	437.5	436.5	442.8	446.0	443.3	439.6	440.2	446.5	449.7	445.4
27.5°	415.4	418.0	416.4	422.8	425.9	423.3	419.6	420.1	426.4	428.6	425.4
30°	391.1	393.2	391.6	396.9	399.0	397.4	394.3	394.3	400.1	402.7	399.5
32.5°	362.1	363.6	362.1	366.3	370.5	367.3	364.2	364.2	370.5	372.6	368.9
35°	328.3	329.9	328.8	333.0	336.2	332.0	329.3	328.3	336.7	335.7	333.6
37.5°	290.8	291.9	288.7	296.1	297.7	292.9	290.8	289.8	297.1	296.6	294.5
40°	248.6	249.6	247.5	252.8	253.3	249.6	248.1	246.5	253.9	253.3	251.8
42.5°	203.7	204.3	201.6	205.8	206.9	203.2	202.7	200.6	207.4	206.4	205.8
45°	157.3	157.3	155.2	158.3	159.4	156.2	155.2	154.6	159.4	159.4	158.3
47.5°	114.0	112.4	109.8	114.5	115.1	112.9	112.4	110.8	115.6	115.6	114.5
50°	78.1	77.6	77.1	78.1	78.6	76.0	77.6	76.0	78.6	78.6	78.6
52.5°	52.3	51.7	50.7	51.7	51.7	50.1	50.1	49.6	51.7	51.7	50.7
55°	32.7	32.2	31.7	32.2	32.2	30.6	31.7	30.6	31.7	31.7	31.1
57.5°	20.1	19.0	19.0	18.5	18.5	17.4	17.9	17.9	17.9	17.9	17.9
60°	11.6	11.1	10.6	10.6	10.6	10.0	10.0	10.0	10.0	10.0	10.0
62.5°	7.4	7.4	6.9	6.9	6.9	6.9	6.9	6.3	6.9	6.9	6.9
65°	6.3	5.8	5.8	5.8	5.8	5.3	5.3	5.3	5.3	5.3	5.3
67.5°	5.3	4.8	4.8	4.8	4.8	4.2	4.2	4.2	4.2	4.2	4.2
70°	4.2	3.7	3.7	3.7	3.7	3.7	3.2	3.7	3.7	3.2	3.2
72.5°	3.2	3.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.1	2.1	2.1	2.1	2.1	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.5	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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	464.4	459.2	456.5	461.8	463.9	461.3	459.2	455.5	459.2	461.3	463.9
5°	470.8	466.0	463.9	467.6	470.8	468.1	466.6	462.9	466.6	468.1	470.8
7.5°	476.6	471.8	469.2	472.9	476.6	472.9	471.3	468.1	471.3	472.9	476.6
10°	478.7	473.4	471.3	474.5	478.2	474.5	472.4	470.3	472.4	474.5	478.2
12.5°	482.4	477.1	474.5	477.1	480.8	477.1	475.0	473.4	475.0	477.1	480.8
15°	487.7	482.9	479.8	482.4	487.1	482.9	480.3	479.8	480.3	482.9	487.1
17.5°	487.7	484.0	480.8	482.9	487.7	484.5	480.8	481.9	480.8	484.5	487.7
20°	480.8	477.1	474.5	474.5	481.3	477.1	473.9	475.5	473.9	477.1	481.3
22.5°	468.7	465.5	462.9	462.3	469.2	465.5	461.3	464.4	461.3	465.5	469.2
25°	452.8	449.7	447.6	446.5	453.4	449.1	445.4	448.6	445.4	449.1	453.4
27.5°	432.3	429.6	427.5	425.9	432.3	428.6	424.9	428.0	424.9	428.6	432.3
30°	405.9	404.3	402.2	400.1	406.4	402.7	399.0	403.2	399.0	402.7	406.4
32.5°	375.3	374.2	371.6	369.4	375.8	371.6	368.9	372.1	368.9	371.6	375.8
35°	339.9	338.3	336.7	333.0	339.9	336.2	336.2	337.3	336.2	336.2	339.9
37.5°	300.3	299.3	297.1	294.0	299.8	297.1	296.1	299.3	296.1	297.1	299.8
40°	256.0	255.4	253.9	250.2	256.5	253.9	252.3	256.5	252.3	253.9	256.5
42.5°	209.5	208.5	206.9	206.4	209.5	207.4	209.0	209.0	209.0	207.4	209.5
45°	161.5	160.4	159.4	157.3	161.0	159.9	159.4	160.4	159.4	159.9	161.0
47.5°	117.2	116.1	115.1	113.5	117.2	115.6	115.6	116.6	115.6	115.6	117.2
50°	78.6	79.2	78.6	77.6	78.6	78.1	78.6	79.7	78.6	78.1	78.6
52.5°	52.3	52.3	51.2	50.7	51.7	51.2	52.8	51.7	52.8	51.2	51.7
55°	31.7	32.2	31.7	31.1	31.7	31.1	32.7	32.2	32.7	31.1	31.7
57.5°	17.9	17.9	18.5	17.9	19.0	18.5	18.5	18.5	18.5	18.5	19.0
60°	10.0	10.0	10.0	10.0	10.0	10.0	10.6	10.0	10.6	10.0	10.0
62.5°	6.9	6.9	6.9	6.3	6.9	6.3	6.9	6.9	6.9	6.3	6.9
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
67.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	461.8	456.5	459.2	464.4	457.1	463.4	459.7	453.4	453.4	458.1	459.2
5°	467.6	463.9	466.0	470.8	463.4	469.7	465.5	459.2	458.6	463.4	465.0
7.5°	472.9	469.2	471.8	476.6	468.7	475.0	471.3	464.4	463.4	468.1	469.7
10°	474.5	471.3	473.4	478.7	470.8	476.6	473.9	466.6	466.0	469.7	471.8
12.5°	477.1	474.5	477.1	482.4	474.5	480.3	477.6	470.3	469.2	473.9	475.5
15°	482.4	479.8	482.9	487.7	480.3	485.0	482.4	475.0	474.5	478.2	480.3
17.5°	482.9	480.8	484.0	487.7	480.3	485.0	482.9	475.0	474.5	478.7	480.3
20°	474.5	474.5	477.1	480.8	472.9	477.6	475.5	467.6	467.6	471.3	472.9
22.5°	462.3	462.9	465.5	468.7	460.8	465.5	463.4	455.5	456.0	459.2	461.3
25°	446.5	447.6	449.7	452.8	445.4	449.7	446.5	440.2	439.6	443.3	446.0
27.5°	425.9	427.5	429.6	432.3	425.4	428.6	426.4	420.1	419.6	423.3	425.9
30°	400.1	402.2	404.3	405.9	399.5	402.7	400.1	394.3	394.3	397.4	399.0
32.5°	369.4	371.6	374.2	375.3	368.9	372.6	370.5	364.2	364.2	367.3	370.5
35°	333.0	336.7	338.3	339.9	333.6	335.7	336.7	328.3	329.3	332.0	336.2
37.5°	294.0	297.1	299.3	300.3	294.5	296.6	297.1	289.8	290.8	292.9	297.7
40°	250.2	253.9	255.4	256.0	251.8	253.3	253.9	246.5	248.1	249.6	253.3
42.5°	206.4	206.9	208.5	209.5	205.8	206.4	207.4	200.6	202.7	203.2	206.9
45°	157.3	159.4	160.4	161.5	158.3	159.4	159.4	154.6	155.2	156.2	159.4
47.5°	113.5	115.1	116.1	117.2	114.5	115.6	115.6	110.8	112.4	112.9	115.1
50°	77.6	78.6	79.2	78.6	78.6	78.6	78.6	76.0	77.6	76.0	78.6
52.5°	50.7	51.2	52.3	52.3	50.7	51.7	51.7	49.6	50.1	50.1	51.7
55°	31.1	31.7	32.2	31.7	31.1	31.7	31.7	30.6	31.7	30.6	32.2
57.5°	17.9	18.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.4	18.5
60°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.6
62.5°	6.3	6.9	6.9	6.9	6.9	6.9	6.9	6.3	6.9	6.9	6.9
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.8
67.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.8
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.7	3.7	3.2	3.7	3.7
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.5
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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	458.6	454.4	454.4	449.7	453.9	454.4	449.1	447.6	453.4	447.0	450.2
5°	462.9	458.6	458.6	453.9	457.1	457.1	451.8	449.1	454.9	448.6	451.3
7.5°	468.1	463.4	462.3	457.6	460.2	460.8	454.4	450.7	456.5	449.1	451.8
10°	469.7	464.4	463.9	459.2	461.3	461.8	454.4	451.3	456.0	448.1	449.7
12.5°	473.4	467.6	467.6	462.9	464.4	464.4	457.1	452.8	457.1	449.1	450.2
15°	477.6	471.3	471.3	466.6	467.6	468.1	459.2	454.9	458.6	450.2	451.3
17.5°	477.6	470.8	470.8	466.6	467.1	466.6	458.1	453.4	456.0	447.0	447.6
20°	470.3	463.4	464.4	459.7	460.2	459.7	450.7	446.0	448.6	439.1	440.2
22.5°	458.1	451.8	452.8	448.6	448.6	448.1	439.6	434.9	437.5	428.0	428.6
25°	442.8	436.5	437.5	433.3	433.8	433.8	425.4	420.1	422.8	414.3	414.3
27.5°	422.8	416.4	418.0	415.4	413.8	414.3	406.9	401.6	404.3	396.4	396.4
30°	396.9	391.6	393.2	391.1	389.5	389.5	383.2	377.9	380.5	373.7	373.1
32.5°	366.3	362.1	363.6	362.1	360.5	362.1	355.2	349.9	352.6	347.3	347.8
35°	333.0	328.8	329.9	328.3	327.2	328.3	321.4	317.7	320.4	315.1	317.2
37.5°	296.1	288.7	291.9	290.8	289.8	290.3	283.9	281.3	284.5	281.3	282.9
40°	252.8	247.5	249.6	248.6	247.5	250.2	245.4	241.7	244.4	242.3	245.4
42.5°	205.8	201.6	204.3	203.7	202.1	205.3	201.6	199.0	203.2	202.1	204.8
45°	158.3	155.2	157.3	157.3	156.8	159.4	155.7	156.2	160.4	162.0	165.2
47.5°	114.5	109.8	112.4	114.0	114.0	116.6	114.5	116.6	121.4	124.6	127.2
50°	78.1	77.1	77.6	78.1	79.2	81.3	80.8	83.9	87.1	92.4	95.5
52.5°	51.7	50.7	51.7	52.3	53.3	55.4	55.4	59.1	62.8	67.6	71.3
55°	32.2	31.7	32.2	32.7	33.8	35.9	36.4	40.1	43.8	48.6	51.7
57.5°	18.5	19.0	19.0	20.1	20.6	22.2	23.8	25.9	30.1	34.8	38.0
60°	10.6	10.6	11.1	11.6	12.1	13.7	14.8	16.9	20.1	24.8	26.9
62.5°	6.9	6.9	7.4	7.4	7.9	9.0	10.0	12.1	14.8	18.5	20.6
65°	5.8	5.8	5.8	6.3	6.3	7.4	8.4	10.0	12.1	14.8	16.9
67.5°	4.8	4.8	4.8	5.3	5.3	5.8	6.9	7.9	9.5	11.6	13.2
70°	3.7	3.7	3.7	4.2	4.2	4.8	5.3	5.8	7.4	9.0	10.0
72.5°	2.6	2.6	3.2	3.2	3.2	3.7	4.2	4.8	5.8	6.9	7.4
75°	2.1	2.1	2.1	2.1	2.6	2.6	3.2	3.7	4.2	4.8	5.3
77.5°	1.1	1.1	1.6	1.6	1.6	2.1	2.1	2.6	3.2	3.7	3.7
80°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.1	2.6	2.6
82.5°	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	446.5	448.1	448.1	446.5	442.3	446.0	449.7	446.0	450.7	442.3	442.3
5°	446.5	447.6	447.0	444.9	440.7	443.9	446.5	442.8	446.5	438.6	438.1
7.5°	447.6	446.5	445.4	442.8	437.5	439.6	442.3	438.1	441.8	433.3	432.3
10°	445.4	443.9	441.8	438.1	432.3	433.8	435.4	431.7	434.4	425.9	425.4
12.5°	445.4	442.8	439.6	435.4	429.1	430.1	431.7	427.0	429.1	421.2	420.1
15°	446.5	441.8	438.1	433.3	426.4	427.0	428.0	422.8	424.9	416.4	415.9
17.5°	442.8	437.5	433.8	428.0	420.6	421.2	421.2	415.9	417.5	409.0	408.5
20°	434.9	428.6	424.3	419.1	411.1	411.1	411.1	405.9	406.9	399.5	398.5
22.5°	423.8	416.9	412.7	407.4	400.1	399.5	399.0	394.8	394.8	387.9	386.3
25°	409.0	402.7	398.5	393.7	386.3	385.3	385.3	381.6	381.1	374.7	373.7
27.5°	392.1	384.8	381.1	376.8	370.0	368.9	368.4	366.3	365.2	358.4	357.8
30°	369.4	363.1	359.9	356.3	349.9	348.9	348.3	346.2	345.7	338.8	338.8
32.5°	345.2	337.3	335.1	331.4	326.7	326.2	326.7	324.1	321.9	317.2	316.1
35°	316.1	308.2	306.6	305.1	301.4	300.3	299.8	299.3	296.6	293.4	291.9
37.5°	282.4	275.5	275.5	275.0	272.3	272.3	272.3	271.3	268.6	267.6	264.4
40°	245.9	240.7	241.2	241.7	240.7	241.2	241.7	240.7	238.6	237.5	234.9
42.5°	206.9	204.3	206.4	207.9	207.9	209.5	210.6	210.6	207.9	207.4	205.3
45°	167.8	167.3	171.5	174.7	175.8	178.4	180.0	178.9	178.9	178.9	176.8
47.5°	131.4	133.5	137.2	143.6	145.7	148.8	149.9	151.5	150.9	151.5	149.9
50°	99.8	104.5	109.3	115.6	118.8	122.4	124.0	126.1	126.1	126.7	125.6
52.5°	75.5	79.2	87.1	91.3	95.0	98.7	100.8	102.9	103.4	103.4	102.4
55°	55.9	61.2	66.5	72.3	75.5	79.2	80.8	82.9	82.9	83.9	82.9
57.5°	40.6	45.9	51.7	55.9	59.6	62.3	63.9	65.4	66.5	66.5	66.0
60°	30.1	34.3	39.1	43.3	46.4	49.1	50.1	51.7	52.3	52.3	51.2
62.5°	22.7	26.9	31.1	34.8	36.9	39.1	40.1	41.2	41.2	41.2	40.6
65°	18.5	21.6	24.8	28.0	30.1	31.7	32.2	33.3	32.7	33.3	32.7
67.5°	14.8	16.9	19.5	21.6	23.2	24.3	24.8	25.9	25.3	25.9	25.3
70°	11.1	13.2	14.8	16.4	17.4	18.5	19.0	19.5	19.0	19.5	19.0
72.5°	8.4	9.5	11.1	12.7	13.2	13.7	14.3	14.3	14.3	14.8	14.3
75°	5.8	6.9	7.9	8.4	9.5	10.0	10.0	10.6	10.6	10.6	10.6
77.5°	4.2	4.8	5.3	5.8	6.3	6.9	6.9	7.4	7.4	7.4	7.4
80°	2.6	3.2	3.2	3.7	4.2	4.2	4.8	4.8	4.8	4.8	4.8
82.5°	1.6	2.1	2.1	2.6	2.6	2.6	3.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	0.5	0.5
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: P212782

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	453.4	453.4	453.4	453.4
2.5°	446.5	443.9	448.1	441.8
5°	441.8	439.1	444.4	436.5
7.5°	435.9	433.3	438.1	430.1
10°	428.6	425.9	430.1	421.7
12.5°	422.2	419.6	424.3	416.4
15°	417.5	414.8	419.1	411.7
17.5°	410.1	406.9	411.7	403.8
20°	399.5	397.4	401.1	393.2
22.5°	387.4	385.3	389.5	381.6
25°	374.7	372.1	376.3	368.4
27.5°	358.4	356.3	360.5	352.6
30°	338.8	336.7	340.9	333.6
32.5°	316.7	314.6	317.7	311.4
35°	291.3	289.8	292.9	286.1
37.5°	263.9	262.3	265.5	258.6
40°	234.3	232.8	235.4	232.2
42.5°	205.3	203.7	206.4	203.7
45°	176.8	175.8	178.4	175.8
47.5°	150.4	149.4	152.0	149.4
50°	125.1	125.6	126.7	125.6
52.5°	102.4	102.4	104.0	102.4
55°	82.9	83.4	83.9	82.9
57.5°	66.0	66.0	66.5	66.0
60°	51.2	51.7	51.7	51.2
62.5°	40.6	40.6	40.6	40.6
65°	32.2	32.2	32.7	32.2
67.5°	25.3	24.8	25.3	24.8
70°	19.0	19.0	19.0	19.0
72.5°	14.8	14.8	14.3	14.3
75°	10.6	11.1	10.6	10.6
77.5°	7.4	7.4	7.4	7.4
80°	4.8	4.8	4.8	4.8
82.5°	3.2	3.2	3.2	3.2
85°	2.1	1.6	1.6	1.6
87.5°	1.1	0.5	0.5	0.5
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)