

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: P212792

Luminaire Tested: **LD6B15D010 EU6B10209040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212792
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 EU6B10209040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1215.9 lumens
Efficiency: N/A
Efficacy: 84.5 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

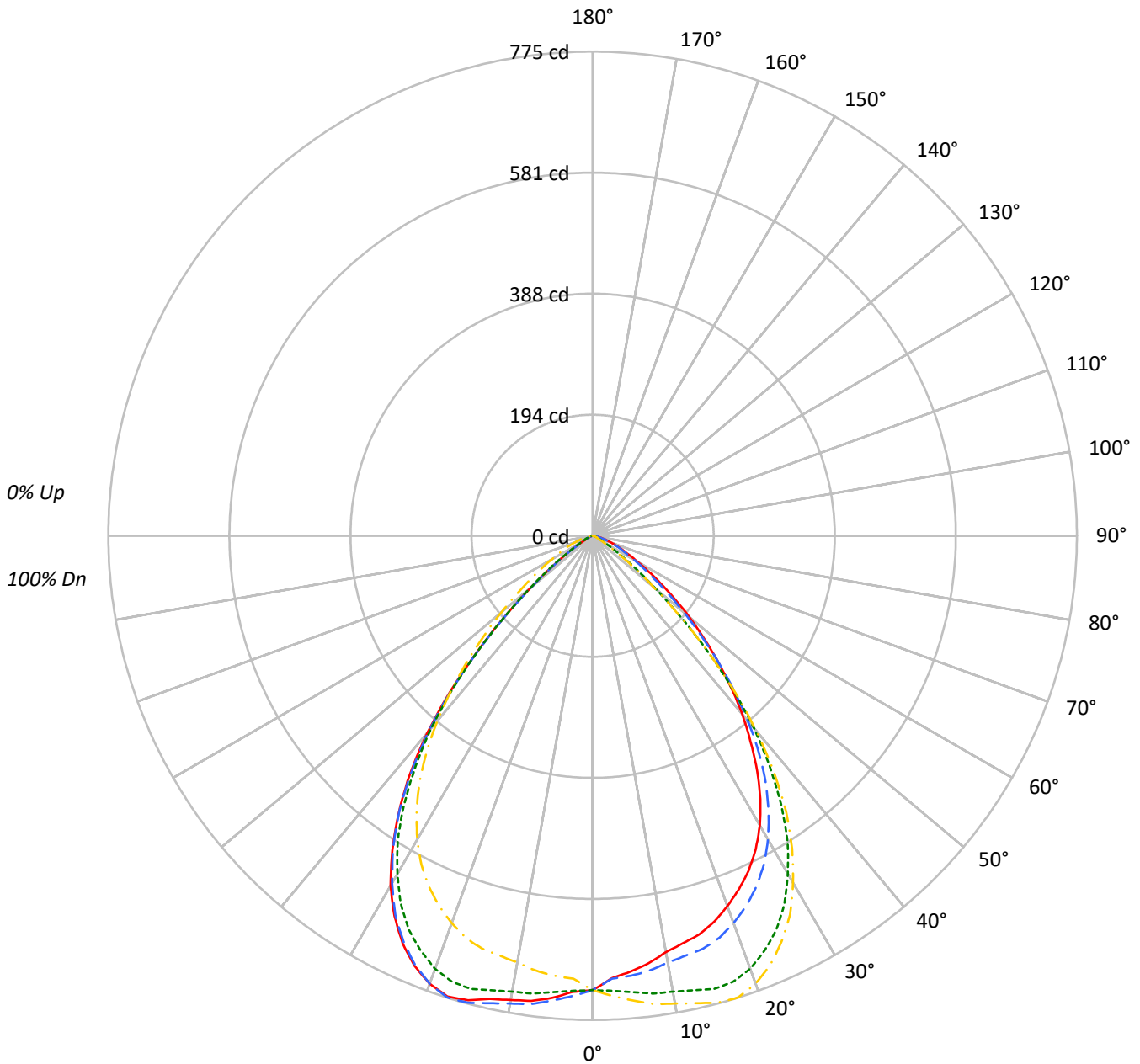
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	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°	39865	39865	39865	39865
5°	38532	40348	40859	40348
10°	37652	41237	41989	41237
15°	37480	42617	43678	42617
20°	36794	43019	44501	43019
25°	35742	42093	43527	42093
30°	33872	39550	40943	39550
35°	30711	35242	36205	35242
40°	26657	28718	29448	28718
45°	21855	19824	19956	19824
50°	17185	11121	10899	11121
55°	12702	5505	4932	5505
60°	9001	2412	1765	2412
65°	6693	1544	1103	1544
70°	4889	1218	817	1218
75°	3580	890	530	890
80°	2399	789	253	789
85°	1572	503	503	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	5.7
10°-20°	206.2	17.0
20°-30°	307.7	25.3
30°-40°	316.1	26.0
40°-50°	204.7	16.8
50°-60°	76.1	6.3
60°-70°	25.0	2.1
70°-80°	8.8	0.7
80°-90°	1.6	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°	583.5	48.0
0°-40°	899.7	74.0
0°-60°	1180.5	97.1
0°-90°	1215.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	727	727	727	727	727	
5°	700	733	742	733	700	66
15°	660	751	770	751	660	186
25°	591	696	720	696	591	271
35°	459	527	541	527	459	285
45°	282	256	257	256	282	218
55°	133	58	52	58	133	121
65°	52	12	8	12	52	53
75°	17	4	2	4	17	19
85°	2	1	1	1	2	3
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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	708.6	718.8	712.0	716.2	709.5	709.5	723.0	715.4	721.3	715.4	709.5
5°	700.2	712.9	704.4	708.6	702.7	703.5	716.2	710.3	716.2	712.0	706.9
7.5°	690.0	702.7	695.1	699.3	693.4	695.1	708.6	702.7	709.5	705.2	701.8
10°	676.4	690.0	683.2	687.5	682.4	683.2	696.8	692.5	698.5	695.9	693.4
12.5°	668.0	680.7	673.1	677.3	673.9	675.6	688.3	684.9	692.5	690.0	688.3
15°	660.4	672.2	665.4	669.7	667.1	668.0	681.5	678.1	686.6	684.9	684.1
17.5°	647.7	660.4	652.7	657.8	655.3	656.1	669.7	667.1	675.6	675.6	674.8
20°	630.7	643.4	637.5	640.9	639.2	640.9	652.7	651.0	659.5	659.5	659.5
22.5°	612.1	624.8	618.0	621.4	619.7	622.3	633.3	633.3	640.0	640.9	641.7
25°	590.9	603.6	596.9	601.1	599.4	601.1	611.3	612.1	618.0	618.0	619.7
27.5°	565.5	578.2	571.5	574.9	574.0	574.9	585.9	587.6	590.9	591.8	593.5
30°	535.1	546.9	540.1	543.5	543.5	543.5	554.5	555.4	558.8	559.6	561.3
32.5°	499.5	509.7	504.6	508.0	507.1	508.8	516.4	519.8	524.1	523.2	524.1
35°	458.9	469.9	464.8	467.3	468.2	470.7	475.8	480.0	480.9	481.7	483.4
37.5°	414.8	425.8	420.8	423.3	424.2	429.2	430.9	435.2	436.9	436.9	436.9
40°	372.5	377.6	373.4	375.9	376.7	381.0	382.7	386.1	387.8	386.9	386.1
42.5°	326.8	331.0	326.8	329.3	329.3	332.7	333.6	337.8	337.8	336.1	333.6
45°	281.9	286.2	281.9	283.6	283.6	287.0	287.0	287.0	288.7	286.2	281.9
47.5°	239.6	243.8	239.6	241.3	240.4	243.0	242.1	243.0	240.4	238.7	233.7
50°	201.5	203.2	201.5	200.6	201.5	203.2	202.3	202.3	199.0	196.4	190.5
52.5°	164.2	166.8	164.2	164.2	164.2	165.9	165.9	165.1	161.7	158.3	152.4
55°	132.9	134.6	133.8	132.9	132.9	134.6	132.9	132.9	129.5	127.0	121.1
57.5°	105.8	106.7	105.8	105.8	105.8	106.7	106.7	105.0	102.4	99.9	95.7
60°	82.1	83.0	83.0	82.1	82.1	83.8	83.8	83.0	80.4	78.7	74.5
62.5°	65.2	65.2	65.2	65.2	65.2	66.0	66.0	66.0	64.3	62.6	59.3
65°	51.6	52.5	51.6	51.6	52.5	53.3	52.5	53.3	51.6	50.8	48.3
67.5°	39.8	40.6	39.8	40.6	40.6	41.5	40.6	41.5	39.8	38.9	37.3
70°	30.5	30.5	30.5	30.5	30.5	31.3	30.5	31.3	30.5	29.6	27.9
72.5°	22.9	22.9	23.7	23.7	22.9	23.7	22.9	22.9	22.9	22.0	21.2
75°	16.9	16.9	17.8	16.9	16.9	16.9	16.9	16.9	16.1	16.1	15.2
77.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.0	11.0	10.2
80°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	4.2
85°	2.5	2.5	2.5	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.8	0.8	0.8	1.7	0.8	0.8	1.7	1.7	0.8	0.8	0.8
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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	716.2	718.8	718.8	716.2	722.2	717.1	727.2	717.9	720.5	728.9	728.1
5°	713.7	717.1	717.9	716.2	723.9	719.6	729.8	720.5	724.7	733.2	733.2
7.5°	710.3	714.5	716.2	717.9	724.7	720.5	732.3	723.0	728.9	739.1	738.3
10°	702.7	708.6	712.0	714.5	721.3	718.8	731.5	723.9	728.9	740.8	739.9
12.5°	698.5	705.2	710.3	714.5	722.2	720.5	733.2	726.4	733.2	745.0	745.0
15°	695.1	702.7	708.6	716.2	723.9	722.2	735.7	729.8	736.6	750.9	750.1
17.5°	686.6	695.9	701.8	710.3	717.9	717.1	731.5	727.2	734.9	748.4	749.3
20°	672.2	680.7	687.5	697.6	706.1	704.4	719.6	715.4	723.0	737.4	738.3
22.5°	653.6	662.1	668.8	679.8	687.5	686.6	701.8	697.6	705.2	718.8	719.6
25°	631.6	639.2	646.0	656.1	664.6	664.6	678.1	673.9	682.4	695.9	695.9
27.5°	604.5	611.3	617.2	629.0	635.8	635.8	648.5	644.3	652.7	664.6	663.7
30°	571.5	577.4	582.5	592.6	598.6	599.4	610.4	606.2	614.6	624.8	624.8
32.5°	531.7	537.6	541.0	553.7	557.9	557.1	565.5	561.3	569.8	580.8	578.2
35°	489.3	491.9	494.4	507.1	508.8	505.4	513.9	509.7	515.6	526.6	524.9
37.5°	441.1	441.9	441.9	452.9	453.8	451.2	456.3	451.2	455.5	465.6	464.8
40°	387.8	386.9	386.1	394.5	393.7	388.6	392.0	387.8	393.7	401.3	397.1
42.5°	333.6	331.0	327.6	331.9	328.5	324.3	325.9	319.2	323.4	329.3	324.3
45°	280.2	275.2	268.4	269.2	265.0	259.9	257.4	250.6	249.8	255.7	251.4
47.5°	230.3	220.1	214.2	210.8	204.0	199.8	194.7	187.1	183.7	187.1	182.9
50°	185.4	175.2	167.6	160.0	153.2	148.2	139.7	134.6	129.5	130.4	127.0
52.5°	146.5	139.7	127.0	121.1	114.3	108.4	100.7	94.8	88.9	88.9	85.5
55°	116.0	106.7	98.2	89.7	83.0	77.9	70.3	64.3	58.4	57.6	54.2
57.5°	89.7	83.0	73.7	65.2	61.0	55.9	48.3	41.5	38.1	35.6	33.0
60°	69.4	62.6	55.0	48.3	43.2	39.8	32.2	27.1	23.7	22.0	19.5
62.5°	55.9	50.0	43.2	36.4	33.0	29.6	23.7	19.5	16.1	14.4	12.7
65°	44.9	39.8	34.7	29.6	27.1	23.7	19.5	16.1	13.5	11.9	10.2
67.5°	34.7	31.3	27.1	23.7	21.2	18.6	15.2	12.7	11.0	9.3	8.5
70°	26.2	23.7	21.2	17.8	16.1	14.4	11.9	9.3	8.5	7.6	6.8
72.5°	20.3	17.8	15.2	13.5	11.9	11.0	9.3	7.6	6.8	5.9	5.1
75°	13.5	12.7	11.0	9.3	8.5	7.6	6.8	5.9	5.1	4.2	4.2
77.5°	9.3	8.5	7.6	6.8	5.9	5.9	5.1	4.2	3.4	3.4	2.5
80°	5.9	5.1	5.1	4.2	4.2	4.2	3.4	2.5	2.5	2.5	1.7
82.5°	4.2	3.4	3.4	2.5	2.5	2.5	2.5	1.7	1.7	1.7	0.8
85°	2.5	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	721.3	728.9	728.9	735.7	736.6	734.9	727.2	727.2	737.4	743.3	733.2
5°	728.1	735.7	735.7	742.5	745.9	743.3	735.7	736.6	746.7	753.5	743.3
7.5°	734.0	741.6	743.3	750.9	753.5	750.9	743.3	745.0	756.0	762.0	751.8
10°	736.6	744.2	745.0	753.5	756.9	753.5	747.6	748.4	760.3	764.5	755.2
12.5°	742.5	750.1	750.1	759.4	762.8	760.3	752.6	754.3	766.2	770.4	761.1
15°	748.4	756.0	756.0	766.2	770.4	767.0	761.1	762.0	773.8	778.0	770.4
17.5°	748.4	755.2	755.2	766.2	770.4	767.9	761.1	762.0	774.7	778.0	770.4
20°	737.4	745.0	743.3	754.3	758.6	756.0	750.1	750.1	762.8	766.2	758.6
22.5°	719.6	726.4	724.7	734.9	739.9	736.6	731.5	730.6	743.3	746.7	739.1
25°	695.1	701.8	700.2	710.3	715.4	711.2	705.2	706.1	716.2	721.3	714.5
27.5°	666.3	670.5	668.0	678.1	683.2	679.0	673.1	673.9	684.1	687.5	682.4
30°	627.3	630.7	628.2	636.7	640.0	637.5	632.4	632.4	641.7	646.0	640.9
32.5°	580.8	583.3	580.8	587.6	594.3	589.2	584.2	584.2	594.3	597.7	591.8
35°	526.6	529.1	527.4	534.2	539.3	532.5	528.3	526.6	540.1	538.4	535.1
37.5°	466.5	468.2	463.1	475.0	477.5	469.9	466.5	464.8	476.6	475.8	472.4
40°	398.8	400.4	397.1	405.5	406.4	400.4	397.9	395.4	407.2	406.4	403.8
42.5°	326.8	327.6	323.4	330.2	331.9	325.9	325.1	321.7	332.7	331.0	330.2
45°	252.3	252.3	248.9	254.0	255.7	250.6	248.9	248.1	255.7	255.7	254.0
47.5°	182.9	180.3	176.1	183.7	184.6	181.2	180.3	177.8	185.4	185.4	183.7
50°	125.3	124.5	123.6	125.3	126.1	121.9	124.5	121.9	126.1	126.1	126.1
52.5°	83.8	83.0	81.3	83.0	83.0	80.4	80.4	79.6	83.0	83.0	81.3
55°	52.5	51.6	50.8	51.6	51.6	49.1	50.8	49.1	50.8	50.8	50.0
57.5°	32.2	30.5	30.5	29.6	29.6	27.9	28.8	28.8	28.8	28.8	28.8
60°	18.6	17.8	16.9	16.9	16.9	16.1	16.1	16.1	16.1	16.1	16.1
62.5°	11.9	11.9	11.0	11.0	11.0	11.0	11.0	10.2	11.0	11.0	11.0
65°	10.2	9.3	9.3	9.3	9.3	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	8.5	7.6	7.6	7.6	7.6	6.8	6.8	6.8	6.8	6.8	6.8
70°	6.8	5.9	5.9	5.9	5.9	5.9	5.1	5.9	5.9	5.1	5.1
72.5°	5.1	5.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	745.0	736.6	732.3	740.8	744.2	739.9	736.6	730.6	736.6	739.9	744.2
5°	755.2	747.6	744.2	750.1	755.2	750.9	748.4	742.5	748.4	750.9	755.2
7.5°	764.5	756.9	752.6	758.6	764.5	758.6	756.0	750.9	756.0	758.6	764.5
10°	767.9	759.4	756.0	761.1	767.0	761.1	757.7	754.3	757.7	761.1	767.0
12.5°	773.8	765.3	761.1	765.3	771.3	765.3	762.0	759.4	762.0	765.3	771.3
15°	782.3	774.7	769.6	773.8	781.4	774.7	770.4	769.6	770.4	774.7	781.4
17.5°	782.3	776.3	771.3	774.7	782.3	777.2	771.3	773.0	771.3	777.2	782.3
20°	771.3	765.3	761.1	761.1	772.1	765.3	760.3	762.8	760.3	765.3	772.1
22.5°	751.8	746.7	742.5	741.6	752.6	746.7	739.9	745.0	739.9	746.7	752.6
25°	726.4	721.3	717.9	716.2	727.2	720.5	714.5	719.6	714.5	720.5	727.2
27.5°	693.4	689.1	685.8	683.2	693.4	687.5	681.5	686.6	681.5	687.5	693.4
30°	651.0	648.5	645.1	641.7	651.9	646.0	640.0	646.8	640.0	646.0	651.9
32.5°	601.9	600.3	596.0	592.6	602.8	596.0	591.8	596.9	591.8	596.0	602.8
35°	545.2	542.7	540.1	534.2	545.2	539.3	539.3	541.0	539.3	539.3	545.2
37.5°	481.7	480.0	476.6	471.6	480.9	476.6	475.0	480.0	475.0	476.6	480.9
40°	410.6	409.8	407.2	401.3	411.5	407.2	404.7	411.5	404.7	407.2	411.5
42.5°	336.1	334.4	331.9	331.0	336.1	332.7	335.3	335.3	335.3	332.7	336.1
45°	259.1	257.4	255.7	252.3	258.2	256.5	255.7	257.4	255.7	256.5	258.2
47.5°	187.9	186.3	184.6	182.0	187.9	185.4	185.4	187.1	185.4	185.4	187.9
50°	126.1	127.0	126.1	124.5	126.1	125.3	126.1	127.8	126.1	125.3	126.1
52.5°	83.8	83.8	82.1	81.3	83.0	82.1	84.7	83.0	84.7	82.1	83.0
55°	50.8	51.6	50.8	50.0	50.8	50.0	52.5	51.6	52.5	50.0	50.8
57.5°	28.8	28.8	29.6	28.8	30.5	29.6	29.6	29.6	29.6	29.6	30.5
60°	16.1	16.1	16.1	16.1	16.1	16.1	16.9	16.1	16.9	16.1	16.1
62.5°	11.0	11.0	11.0	10.2	11.0	10.2	11.0	11.0	11.0	10.2	11.0
65°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	740.8	732.3	736.6	745.0	733.2	743.3	737.4	727.2	727.2	734.9	736.6
5°	750.1	744.2	747.6	755.2	743.3	753.5	746.7	736.6	735.7	743.3	745.9
7.5°	758.6	752.6	756.9	764.5	751.8	762.0	756.0	745.0	743.3	750.9	753.5
10°	761.1	756.0	759.4	767.9	755.2	764.5	760.3	748.4	747.6	753.5	756.9
12.5°	765.3	761.1	765.3	773.8	761.1	770.4	766.2	754.3	752.6	760.3	762.8
15°	773.8	769.6	774.7	782.3	770.4	778.0	773.8	762.0	761.1	767.0	770.4
17.5°	774.7	771.3	776.3	782.3	770.4	778.0	774.7	762.0	761.1	767.9	770.4
20°	761.1	761.1	765.3	771.3	758.6	766.2	762.8	750.1	750.1	756.0	758.6
22.5°	741.6	742.5	746.7	751.8	739.1	746.7	743.3	730.6	731.5	736.6	739.9
25°	716.2	717.9	721.3	726.4	714.5	721.3	716.2	706.1	705.2	711.2	715.4
27.5°	683.2	685.8	689.1	693.4	682.4	687.5	684.1	673.9	673.1	679.0	683.2
30°	641.7	645.1	648.5	651.0	640.9	646.0	641.7	632.4	632.4	637.5	640.0
32.5°	592.6	596.0	600.3	601.9	591.8	597.7	594.3	584.2	584.2	589.2	594.3
35°	534.2	540.1	542.7	545.2	535.1	538.4	540.1	526.6	528.3	532.5	539.3
37.5°	471.6	476.6	480.0	481.7	472.4	475.8	476.6	464.8	466.5	469.9	477.5
40°	401.3	407.2	409.8	410.6	403.8	406.4	407.2	395.4	397.9	400.4	406.4
42.5°	331.0	331.9	334.4	336.1	330.2	331.0	332.7	321.7	325.1	325.9	331.9
45°	252.3	255.7	257.4	259.1	254.0	255.7	255.7	248.1	248.9	250.6	255.7
47.5°	182.0	184.6	186.3	187.9	183.7	185.4	185.4	177.8	180.3	181.2	184.6
50°	124.5	126.1	127.0	126.1	126.1	126.1	126.1	121.9	124.5	121.9	126.1
52.5°	81.3	82.1	83.8	83.8	81.3	83.0	83.0	79.6	80.4	80.4	83.0
55°	50.0	50.8	51.6	50.8	50.0	50.8	50.8	49.1	50.8	49.1	51.6
57.5°	28.8	29.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	27.9	29.6
60°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.9
62.5°	10.2	11.0	11.0	11.0	11.0	11.0	11.0	10.2	11.0	11.0	11.0
65°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.3
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.6
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.9	5.9	5.1	5.9	5.9
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	735.7	728.9	728.9	721.3	728.1	728.9	720.5	717.9	727.2	717.1	722.2
5°	742.5	735.7	735.7	728.1	733.2	733.2	724.7	720.5	729.8	719.6	723.9
7.5°	750.9	743.3	741.6	734.0	738.3	739.1	728.9	723.0	732.3	720.5	724.7
10°	753.5	745.0	744.2	736.6	739.9	740.8	728.9	723.9	731.5	718.8	721.3
12.5°	759.4	750.1	750.1	742.5	745.0	745.0	733.2	726.4	733.2	720.5	722.2
15°	766.2	756.0	756.0	748.4	750.1	750.9	736.6	729.8	735.7	722.2	723.9
17.5°	766.2	755.2	755.2	748.4	749.3	748.4	734.9	727.2	731.5	717.1	717.9
20°	754.3	743.3	745.0	737.4	738.3	737.4	723.0	715.4	719.6	704.4	706.1
22.5°	734.9	724.7	726.4	719.6	719.6	718.8	705.2	697.6	701.8	686.6	687.5
25°	710.3	700.2	701.8	695.1	695.9	695.9	682.4	673.9	678.1	664.6	664.6
27.5°	678.1	668.0	670.5	666.3	663.7	664.6	652.7	644.3	648.5	635.8	635.8
30°	636.7	628.2	630.7	627.3	624.8	624.8	614.6	606.2	610.4	599.4	598.6
32.5°	587.6	580.8	583.3	580.8	578.2	580.8	569.8	561.3	565.5	557.1	557.9
35°	534.2	527.4	529.1	526.6	524.9	526.6	515.6	509.7	513.9	505.4	508.8
37.5°	475.0	463.1	468.2	466.5	464.8	465.6	455.5	451.2	456.3	451.2	453.8
40°	405.5	397.1	400.4	398.8	397.1	401.3	393.7	387.8	392.0	388.6	393.7
42.5°	330.2	323.4	327.6	326.8	324.3	329.3	323.4	319.2	325.9	324.3	328.5
45°	254.0	248.9	252.3	252.3	251.4	255.7	249.8	250.6	257.4	259.9	265.0
47.5°	183.7	176.1	180.3	182.9	182.9	187.1	183.7	187.1	194.7	199.8	204.0
50°	125.3	123.6	124.5	125.3	127.0	130.4	129.5	134.6	139.7	148.2	153.2
52.5°	83.0	81.3	83.0	83.8	85.5	88.9	88.9	94.8	100.7	108.4	114.3
55°	51.6	50.8	51.6	52.5	54.2	57.6	58.4	64.3	70.3	77.9	83.0
57.5°	29.6	30.5	30.5	32.2	33.0	35.6	38.1	41.5	48.3	55.9	61.0
60°	16.9	16.9	17.8	18.6	19.5	22.0	23.7	27.1	32.2	39.8	43.2
62.5°	11.0	11.0	11.9	11.9	12.7	14.4	16.1	19.5	23.7	29.6	33.0
65°	9.3	9.3	9.3	10.2	10.2	11.9	13.5	16.1	19.5	23.7	27.1
67.5°	7.6	7.6	7.6	8.5	8.5	9.3	11.0	12.7	15.2	18.6	21.2
70°	5.9	5.9	5.9	6.8	6.8	7.6	8.5	9.3	11.9	14.4	16.1
72.5°	4.2	4.2	5.1	5.1	5.1	5.9	6.8	7.6	9.3	11.0	11.9
75°	3.4	3.4	3.4	3.4	4.2	4.2	5.1	5.9	6.8	7.6	8.5
77.5°	1.7	1.7	2.5	2.5	2.5	3.4	3.4	4.2	5.1	5.9	5.9
80°	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5	3.4	4.2	4.2
82.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	2.5	2.5	2.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212792

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	716.2	718.8	718.8	716.2	709.5	715.4	721.3	715.4	723.0	709.5	709.5
5°	716.2	717.9	717.1	713.7	706.9	712.0	716.2	710.3	716.2	703.5	702.7
7.5°	717.9	716.2	714.5	710.3	701.8	705.2	709.5	702.7	708.6	695.1	693.4
10°	714.5	712.0	708.6	702.7	693.4	695.9	698.5	692.5	696.8	683.2	682.4
12.5°	714.5	710.3	705.2	698.5	688.3	690.0	692.5	684.9	688.3	675.6	673.9
15°	716.2	708.6	702.7	695.1	684.1	684.9	686.6	678.1	681.5	668.0	667.1
17.5°	710.3	701.8	695.9	686.6	674.8	675.6	675.6	667.1	669.7	656.1	655.3
20°	697.6	687.5	680.7	672.2	659.5	659.5	659.5	651.0	652.7	640.9	639.2
22.5°	679.8	668.8	662.1	653.6	641.7	640.9	640.0	633.3	633.3	622.3	619.7
25°	656.1	646.0	639.2	631.6	619.7	618.0	618.0	612.1	611.3	601.1	599.4
27.5°	629.0	617.2	611.3	604.5	593.5	591.8	590.9	587.6	585.9	574.9	574.0
30°	592.6	582.5	577.4	571.5	561.3	559.6	558.8	555.4	554.5	543.5	543.5
32.5°	553.7	541.0	537.6	531.7	524.1	523.2	524.1	519.8	516.4	508.8	507.1
35°	507.1	494.4	491.9	489.3	483.4	481.7	480.9	480.0	475.8	470.7	468.2
37.5°	452.9	441.9	441.9	441.1	436.9	436.9	436.9	435.2	430.9	429.2	424.2
40°	394.5	386.1	386.9	387.8	386.1	386.9	387.8	386.1	382.7	381.0	376.7
42.5°	331.9	327.6	331.0	333.6	333.6	336.1	337.8	337.8	333.6	332.7	329.3
45°	269.2	268.4	275.2	280.2	281.9	286.2	288.7	287.0	287.0	287.0	283.6
47.5°	210.8	214.2	220.1	230.3	233.7	238.7	240.4	243.0	242.1	243.0	240.4
50°	160.0	167.6	175.2	185.4	190.5	196.4	199.0	202.3	202.3	203.2	201.5
52.5°	121.1	127.0	139.7	146.5	152.4	158.3	161.7	165.1	165.9	165.9	164.2
55°	89.7	98.2	106.7	116.0	121.1	127.0	129.5	132.9	132.9	134.6	132.9
57.5°	65.2	73.7	83.0	89.7	95.7	99.9	102.4	105.0	106.7	106.7	105.8
60°	48.3	55.0	62.6	69.4	74.5	78.7	80.4	83.0	83.8	83.8	82.1
62.5°	36.4	43.2	50.0	55.9	59.3	62.6	64.3	66.0	66.0	66.0	65.2
65°	29.6	34.7	39.8	44.9	48.3	50.8	51.6	53.3	52.5	53.3	52.5
67.5°	23.7	27.1	31.3	34.7	37.3	38.9	39.8	41.5	40.6	41.5	40.6
70°	17.8	21.2	23.7	26.2	27.9	29.6	30.5	31.3	30.5	31.3	30.5
72.5°	13.5	15.2	17.8	20.3	21.2	22.0	22.9	22.9	22.9	23.7	22.9
75°	9.3	11.0	12.7	13.5	15.2	16.1	16.1	16.9	16.9	16.9	16.9
77.5°	6.8	7.6	8.5	9.3	10.2	11.0	11.0	11.9	11.9	11.9	11.9
80°	4.2	5.1	5.1	5.9	6.8	6.8	7.6	7.6	7.6	7.6	7.6
82.5°	2.5	3.4	3.4	4.2	4.2	4.2	5.1	5.1	5.1	5.1	5.1
85°	1.7	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212792

CATALOG NUMBER: LD6B15D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	727.2	727.2	727.2	727.2
2.5°	716.2	712.0	718.8	708.6
5°	708.6	704.4	712.9	700.2
7.5°	699.3	695.1	702.7	690.0
10°	687.5	683.2	690.0	676.4
12.5°	677.3	673.1	680.7	668.0
15°	669.7	665.4	672.2	660.4
17.5°	657.8	652.7	660.4	647.7
20°	640.9	637.5	643.4	630.7
22.5°	621.4	618.0	624.8	612.1
25°	601.1	596.9	603.6	590.9
27.5°	574.9	571.5	578.2	565.5
30°	543.5	540.1	546.9	535.1
32.5°	508.0	504.6	509.7	499.5
35°	467.3	464.8	469.9	458.9
37.5°	423.3	420.8	425.8	414.8
40°	375.9	373.4	377.6	372.5
42.5°	329.3	326.8	331.0	326.8
45°	283.6	281.9	286.2	281.9
47.5°	241.3	239.6	243.8	239.6
50°	200.6	201.5	203.2	201.5
52.5°	164.2	164.2	166.8	164.2
55°	132.9	133.8	134.6	132.9
57.5°	105.8	105.8	106.7	105.8
60°	82.1	83.0	83.0	82.1
62.5°	65.2	65.2	65.2	65.2
65°	51.6	51.6	52.5	51.6
67.5°	40.6	39.8	40.6	39.8
70°	30.5	30.5	30.5	30.5
72.5°	23.7	23.7	22.9	22.9
75°	16.9	17.8	16.9	16.9
77.5°	11.9	11.9	11.9	11.9
80°	7.6	7.6	7.6	7.6
82.5°	5.1	5.1	5.1	5.1
85°	3.4	2.5	2.5	2.5
87.5°	1.7	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)