

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: P212791

Luminaire Tested: **LD6B15D010 EU6B10209035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212791
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 EU6B10209035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1213.6 lumens
Efficiency: N/A
Efficacy: 84.3 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

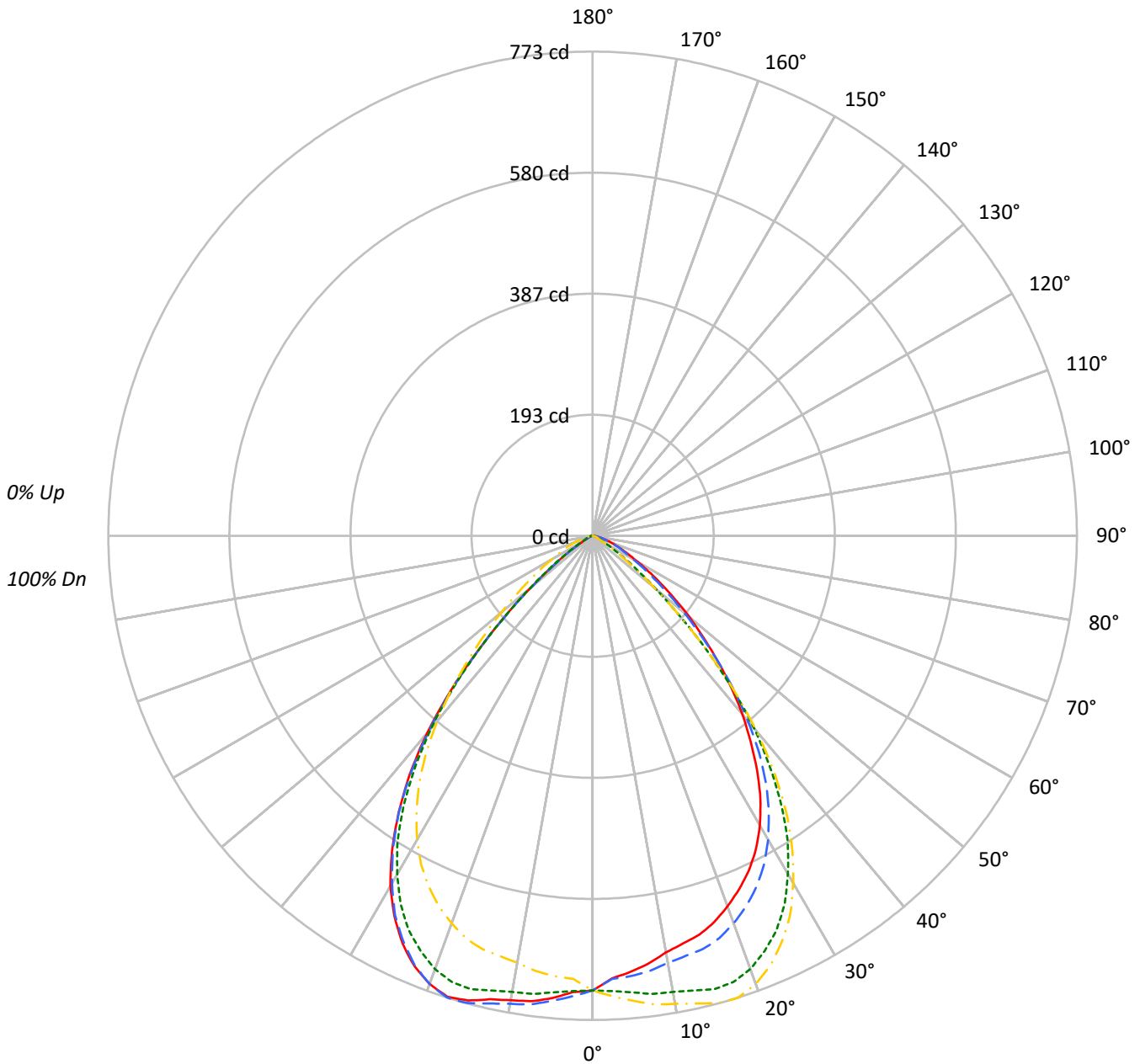
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39794	39794	39794	39794
5°	38455	40271	40782	40271
10°	37586	41159	41911	41159
15°	37407	42537	43593	42537
20°	36724	42937	44419	42937
25°	35675	42015	43448	42015
30°	33809	39474	40867	39474
35°	30651	35175	36138	35175
40°	26607	28661	29391	28661
45°	21816	19785	19917	19785
50°	17151	11096	10882	11096
55°	12683	5496	4922	5496
60°	8991	2412	1765	2412
65°	6680	1531	1103	1531
70°	4873	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°	69.5	5.7
10°-20°	205.8	17.0
20°-30°	307.1	25.3
30°-40°	315.5	26.0
40°-50°	204.3	16.8
50°-60°	76.0	6.3
60°-70°	24.9	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°	582.4	48.0
0°-40°	898.0	74.0
0°-60°	1178.3	97.1
0°-90°	1213.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	726	726	726	726	726	
5°	699	732	741	732	699	66
15°	659	750	768	750	659	185
25°	590	695	718	695	590	270
35°	458	526	540	526	458	284
45°	281	255	257	255	281	218
55°	133	58	52	58	133	121
65°	52	12	8	12	52	52
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°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	707.3	717.4	710.7	714.9	708.1	708.1	721.6	714.0	720.0	714.0	708.1
5°	698.8	711.5	703.1	707.3	701.4	702.2	714.9	709.0	714.9	710.7	705.6
7.5°	688.7	701.4	693.8	698.0	692.1	693.8	707.3	701.4	708.1	703.9	700.5
10°	675.2	688.7	681.9	686.2	681.1	681.9	695.5	691.2	697.1	694.6	692.1
12.5°	666.7	679.4	671.8	676.0	672.6	674.3	687.0	683.6	691.2	688.7	687.0
15°	659.1	670.9	664.2	668.4	665.9	666.7	680.2	676.9	685.3	683.6	682.8
17.5°	646.4	659.1	651.5	656.6	654.0	654.9	668.4	665.9	674.3	674.3	673.5
20°	629.5	642.2	636.3	639.7	638.0	639.7	651.5	649.8	658.3	658.3	658.3
22.5°	610.9	623.6	616.9	620.2	618.6	621.1	632.1	632.1	638.8	639.7	640.5
25°	589.8	602.5	595.7	600.0	598.3	600.0	610.1	610.9	616.9	616.9	618.6
27.5°	564.5	577.1	570.4	573.8	572.9	573.8	584.8	586.4	589.8	590.7	592.4
30°	534.1	545.9	539.1	542.5	542.5	542.5	553.5	554.3	557.7	558.6	560.2
32.5°	498.6	508.7	503.6	507.0	506.2	507.9	515.5	518.8	523.1	522.2	523.1
35°	458.0	469.0	463.9	466.5	467.3	469.8	474.9	479.1	480.0	480.8	482.5
37.5°	414.1	425.0	420.0	422.5	423.4	428.4	430.1	434.3	436.0	436.0	436.0
40°	371.8	376.9	372.7	375.2	376.0	380.3	381.9	385.3	387.0	386.2	385.3
42.5°	326.2	330.4	326.2	328.7	328.7	332.1	332.9	337.2	337.2	335.5	332.9
45°	281.4	285.6	281.4	283.1	283.1	286.5	286.5	286.5	288.2	285.6	281.4
47.5°	239.1	243.4	239.1	240.8	240.0	242.5	241.7	242.5	240.0	238.3	233.2
50°	201.1	202.8	201.1	200.3	201.1	202.8	202.0	202.0	198.6	196.0	190.1
52.5°	163.9	166.5	163.9	163.9	163.9	165.6	165.6	164.8	161.4	158.0	152.1
55°	132.7	134.4	133.5	132.7	132.7	134.4	132.7	132.7	129.3	126.8	120.8
57.5°	105.6	106.5	105.6	105.6	105.6	106.5	106.5	104.8	102.2	99.7	95.5
60°	82.0	82.8	82.8	82.0	82.0	83.7	83.7	82.8	80.3	78.6	74.4
62.5°	65.1	65.1	65.1	65.1	65.1	65.9	65.9	65.9	64.2	62.5	59.2
65°	51.5	52.4	51.5	51.5	52.4	53.2	52.4	53.2	51.5	50.7	48.2
67.5°	39.7	40.6	39.7	40.6	40.6	41.4	40.6	41.4	39.7	38.9	37.2
70°	30.4	30.4	30.4	30.4	30.4	31.3	30.4	31.3	30.4	29.6	27.9
72.5°	22.8	22.8	23.7	23.7	22.8	23.7	22.8	22.8	22.8	22.0	21.1
75°	16.9	16.9	17.7	16.9	16.9	16.9	16.9	16.9	16.1	16.1	15.2
77.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.0	11.0	10.1
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°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	714.9	717.4	717.4	714.9	720.8	715.7	725.9	716.6	719.1	727.6	726.7
5°	712.4	715.7	716.6	714.9	722.5	718.3	728.4	719.1	723.3	731.8	731.8
7.5°	709.0	713.2	714.9	716.6	723.3	719.1	730.9	721.6	727.6	737.7	736.9
10°	701.4	707.3	710.7	713.2	720.0	717.4	730.1	722.5	727.6	739.4	738.5
12.5°	697.1	703.9	709.0	713.2	720.8	719.1	731.8	725.0	731.8	743.6	743.6
15°	693.8	701.4	707.3	714.9	722.5	720.8	734.3	728.4	735.2	749.5	748.7
17.5°	685.3	694.6	700.5	709.0	716.6	715.7	730.1	725.9	733.5	747.0	747.8
20°	670.9	679.4	686.2	696.3	704.7	703.1	718.3	714.0	721.6	736.0	736.9
22.5°	652.4	660.8	667.6	678.6	686.2	685.3	700.5	696.3	703.9	717.4	718.3
25°	630.4	638.0	644.8	654.9	663.3	663.3	676.9	672.6	681.1	694.6	694.6
27.5°	603.3	610.1	616.0	627.9	634.6	634.6	647.3	643.1	651.5	663.3	662.5
30°	570.4	576.3	581.4	591.5	597.4	598.3	609.3	605.0	613.5	623.6	623.6
32.5°	530.7	536.6	540.0	552.6	556.9	556.0	564.5	560.2	568.7	579.7	577.1
35°	488.4	491.0	493.5	506.2	507.9	504.5	512.9	508.7	514.6	525.6	523.9
37.5°	440.3	441.1	441.1	452.1	452.9	450.4	455.5	450.4	454.6	464.8	463.9
40°	387.0	386.2	385.3	393.8	392.9	387.9	391.2	387.0	392.9	400.5	396.3
42.5°	332.9	330.4	327.0	331.2	327.9	323.6	325.3	318.6	322.8	328.7	323.6
45°	279.7	274.6	267.9	268.7	264.5	259.4	256.9	250.1	249.3	255.2	251.0
47.5°	229.8	219.7	213.8	210.4	203.6	199.4	194.4	186.7	183.4	186.7	182.5
50°	185.1	174.9	167.3	159.7	152.9	147.9	139.4	134.4	129.3	130.1	126.8
52.5°	146.2	139.4	126.8	120.8	114.1	108.2	100.6	94.6	88.7	88.7	85.3
55°	115.8	106.5	98.0	89.6	82.8	77.7	70.1	64.2	58.3	57.5	54.1
57.5°	89.6	82.8	73.5	65.1	60.8	55.8	48.2	41.4	38.0	35.5	33.0
60°	69.3	62.5	54.9	48.2	43.1	39.7	32.1	27.0	23.7	22.0	19.4
62.5°	55.8	49.9	43.1	36.3	33.0	29.6	23.7	19.4	16.1	14.4	12.7
65°	44.8	39.7	34.6	29.6	27.0	23.7	19.4	16.1	13.5	11.8	10.1
67.5°	34.6	31.3	27.0	23.7	21.1	18.6	15.2	12.7	11.0	9.3	8.5
70°	26.2	23.7	21.1	17.7	16.1	14.4	11.8	9.3	8.5	7.6	6.8
72.5°	20.3	17.7	15.2	13.5	11.8	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°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	720.0	727.6	727.6	734.3	735.2	733.5	725.9	725.9	736.0	741.9	731.8
5°	726.7	734.3	734.3	741.1	744.5	741.9	734.3	735.2	745.3	752.1	741.9
7.5°	732.6	740.2	741.9	749.5	752.1	749.5	741.9	743.6	754.6	760.5	750.4
10°	735.2	742.8	743.6	752.1	755.4	752.1	746.2	747.0	758.8	763.1	753.8
12.5°	741.1	748.7	748.7	758.0	761.4	758.8	751.2	752.9	764.7	769.0	759.7
15°	747.0	754.6	754.6	764.7	769.0	765.6	759.7	760.5	772.3	776.6	769.0
17.5°	747.0	753.8	753.8	764.7	769.0	766.4	759.7	760.5	773.2	776.6	769.0
20°	736.0	743.6	741.9	752.9	757.1	754.6	748.7	748.7	761.4	764.7	757.1
22.5°	718.3	725.0	723.3	733.5	738.5	735.2	730.1	729.3	741.9	745.3	737.7
25°	693.8	700.5	698.8	709.0	714.0	709.8	703.9	704.7	714.9	720.0	713.2
27.5°	665.0	669.3	666.7	676.9	681.9	677.7	671.8	672.6	682.8	686.2	681.1
30°	626.2	629.5	627.0	635.5	638.8	636.3	631.2	631.2	640.5	644.8	639.7
32.5°	579.7	582.2	579.7	586.4	593.2	588.1	583.1	583.1	593.2	596.6	590.7
35°	525.6	528.1	526.4	533.2	538.3	531.5	527.3	525.6	539.1	537.4	534.1
37.5°	465.6	467.3	462.2	474.1	476.6	469.0	465.6	463.9	475.7	474.9	471.5
40°	398.0	399.7	396.3	404.8	405.6	399.7	397.2	394.6	406.5	405.6	403.1
42.5°	326.2	327.0	322.8	329.6	331.2	325.3	324.5	321.1	332.1	330.4	329.6
45°	251.8	251.8	248.4	253.5	255.2	250.1	248.4	247.6	255.2	255.2	253.5
47.5°	182.5	180.0	175.8	183.4	184.2	180.8	180.0	177.5	185.1	185.1	183.4
50°	125.1	124.2	123.4	125.1	125.9	121.7	124.2	121.7	125.9	125.9	125.9
52.5°	83.7	82.8	81.1	82.8	82.8	80.3	80.3	79.4	82.8	82.8	81.1
55°	52.4	51.5	50.7	51.5	51.5	49.0	50.7	49.0	50.7	50.7	49.9
57.5°	32.1	30.4	30.4	29.6	29.6	27.9	28.7	28.7	28.7	28.7	28.7
60°	18.6	17.7	16.9	16.9	16.9	16.1	16.1	16.1	16.1	16.1	16.1
62.5°	11.8	11.8	11.0	11.0	11.0	11.0	11.0	10.1	11.0	11.0	11.0
65°	10.1	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°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	743.6	735.2	730.9	739.4	742.8	738.5	735.2	729.3	735.2	738.5	742.8
5°	753.8	746.2	742.8	748.7	753.8	749.5	747.0	741.1	747.0	749.5	753.8
7.5°	763.1	755.4	751.2	757.1	763.1	757.1	754.6	749.5	754.6	757.1	763.1
10°	766.4	758.0	754.6	759.7	765.6	759.7	756.3	752.9	756.3	759.7	765.6
12.5°	772.3	763.9	759.7	763.9	769.8	763.9	760.5	758.0	760.5	763.9	769.8
15°	780.8	773.2	768.1	772.3	780.0	773.2	769.0	768.1	769.0	773.2	780.0
17.5°	780.8	774.9	769.8	773.2	780.8	775.7	769.8	771.5	769.8	775.7	780.8
20°	769.8	763.9	759.7	759.7	770.7	763.9	758.8	761.4	758.8	763.9	770.7
22.5°	750.4	745.3	741.1	740.2	751.2	745.3	738.5	743.6	738.5	745.3	751.2
25°	725.0	720.0	716.6	714.9	725.9	719.1	713.2	718.3	713.2	719.1	725.9
27.5°	692.1	687.8	684.5	681.9	692.1	686.2	680.2	685.3	680.2	686.2	692.1
30°	649.8	647.3	643.9	640.5	650.7	644.8	638.8	645.6	638.8	644.8	650.7
32.5°	600.8	599.1	594.9	591.5	601.7	594.9	590.7	595.7	590.7	594.9	601.7
35°	544.2	541.7	539.1	533.2	544.2	538.3	538.3	540.0	538.3	538.3	544.2
37.5°	480.8	479.1	475.7	470.7	480.0	475.7	474.1	479.1	474.1	475.7	480.0
40°	409.8	409.0	406.5	400.5	410.7	406.5	403.9	410.7	403.9	406.5	410.7
42.5°	335.5	333.8	331.2	330.4	335.5	332.1	334.6	334.6	334.6	332.1	335.5
45°	258.6	256.9	255.2	251.8	257.7	256.0	255.2	256.9	255.2	256.0	257.7
47.5°	187.6	185.9	184.2	181.7	187.6	185.1	185.1	186.7	185.1	185.1	187.6
50°	125.9	126.8	125.9	124.2	125.9	125.1	125.9	127.6	125.9	125.1	125.9
52.5°	83.7	83.7	82.0	81.1	82.8	82.0	84.5	82.8	84.5	82.0	82.8
55°	50.7	51.5	50.7	49.9	50.7	49.9	52.4	51.5	52.4	49.9	50.7
57.5°	28.7	28.7	29.6	28.7	30.4	29.6	29.6	29.6	29.6	29.6	30.4
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	10.1	11.0	10.1	11.0	11.0	11.0	10.1	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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CATALOG NUMBER: LD6B15D010 EU6B10209035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	739.4	730.9	735.2	743.6	731.8	741.9	736.0	725.9	725.9	733.5	735.2
5°	748.7	742.8	746.2	753.8	741.9	752.1	745.3	735.2	734.3	741.9	744.5
7.5°	757.1	751.2	755.4	763.1	750.4	760.5	754.6	743.6	741.9	749.5	752.1
10°	759.7	754.6	758.0	766.4	753.8	763.1	758.8	747.0	746.2	752.1	755.4
12.5°	763.9	759.7	763.9	772.3	759.7	769.0	764.7	752.9	751.2	758.8	761.4
15°	772.3	768.1	773.2	780.8	769.0	776.6	772.3	760.5	759.7	765.6	769.0
17.5°	773.2	769.8	774.9	780.8	769.0	776.6	773.2	760.5	759.7	766.4	769.0
20°	759.7	759.7	763.9	769.8	757.1	764.7	761.4	748.7	748.7	754.6	757.1
22.5°	740.2	741.1	745.3	750.4	737.7	745.3	741.9	729.3	730.1	735.2	738.5
25°	714.9	716.6	720.0	725.0	713.2	720.0	714.9	704.7	703.9	709.8	714.0
27.5°	681.9	684.5	687.8	692.1	681.1	686.2	682.8	672.6	671.8	677.7	681.9
30°	640.5	643.9	647.3	649.8	639.7	644.8	640.5	631.2	631.2	636.3	638.8
32.5°	591.5	594.9	599.1	600.8	590.7	596.6	593.2	583.1	583.1	588.1	593.2
35°	533.2	539.1	541.7	544.2	534.1	537.4	539.1	525.6	527.3	531.5	538.3
37.5°	470.7	475.7	479.1	480.8	471.5	474.9	475.7	463.9	465.6	469.0	476.6
40°	400.5	406.5	409.0	409.8	403.1	405.6	406.5	394.6	397.2	399.7	405.6
42.5°	330.4	331.2	333.8	335.5	329.6	330.4	332.1	321.1	324.5	325.3	331.2
45°	251.8	255.2	256.9	258.6	253.5	255.2	255.2	247.6	248.4	250.1	255.2
47.5°	181.7	184.2	185.9	187.6	183.4	185.1	185.1	177.5	180.0	180.8	184.2
50°	124.2	125.9	126.8	125.9	125.9	125.9	125.9	121.7	124.2	121.7	125.9
52.5°	81.1	82.0	83.7	83.7	81.1	82.8	82.8	79.4	80.3	80.3	82.8
55°	49.9	50.7	51.5	50.7	49.9	50.7	50.7	49.0	50.7	49.0	51.5
57.5°	28.7	29.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	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°	10.1	11.0	11.0	11.0	11.0	11.0	11.0	10.1	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°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	734.3	727.6	727.6	720.0	726.7	727.6	719.1	716.6	725.9	715.7	720.8
5°	741.1	734.3	734.3	726.7	731.8	731.8	723.3	719.1	728.4	718.3	722.5
7.5°	749.5	741.9	740.2	732.6	736.9	737.7	727.6	721.6	730.9	719.1	723.3
10°	752.1	743.6	742.8	735.2	738.5	739.4	727.6	722.5	730.1	717.4	720.0
12.5°	758.0	748.7	748.7	741.1	743.6	743.6	731.8	725.0	731.8	719.1	720.8
15°	764.7	754.6	754.6	747.0	748.7	749.5	735.2	728.4	734.3	720.8	722.5
17.5°	764.7	753.8	753.8	747.0	747.8	747.0	733.5	725.9	730.1	715.7	716.6
20°	752.9	741.9	743.6	736.0	736.9	736.0	721.6	714.0	718.3	703.1	704.7
22.5°	733.5	723.3	725.0	718.3	718.3	717.4	703.9	696.3	700.5	685.3	686.2
25°	709.0	698.8	700.5	693.8	694.6	694.6	681.1	672.6	676.9	663.3	663.3
27.5°	676.9	666.7	669.3	665.0	662.5	663.3	651.5	643.1	647.3	634.6	634.6
30°	635.5	627.0	629.5	626.2	623.6	623.6	613.5	605.0	609.3	598.3	597.4
32.5°	586.4	579.7	582.2	579.7	577.1	579.7	568.7	560.2	564.5	556.0	556.9
35°	533.2	526.4	528.1	525.6	523.9	525.6	514.6	508.7	512.9	504.5	507.9
37.5°	474.1	462.2	467.3	465.6	463.9	464.8	454.6	450.4	455.5	450.4	452.9
40°	404.8	396.3	399.7	398.0	396.3	400.5	392.9	387.0	391.2	387.9	392.9
42.5°	329.6	322.8	327.0	326.2	323.6	328.7	322.8	318.6	325.3	323.6	327.9
45°	253.5	248.4	251.8	251.8	251.0	255.2	249.3	250.1	256.9	259.4	264.5
47.5°	183.4	175.8	180.0	182.5	182.5	186.7	183.4	186.7	194.4	199.4	203.6
50°	125.1	123.4	124.2	125.1	126.8	130.1	129.3	134.4	139.4	147.9	152.9
52.5°	82.8	81.1	82.8	83.7	85.3	88.7	88.7	94.6	100.6	108.2	114.1
55°	51.5	50.7	51.5	52.4	54.1	57.5	58.3	64.2	70.1	77.7	82.8
57.5°	29.6	30.4	30.4	32.1	33.0	35.5	38.0	41.4	48.2	55.8	60.8
60°	16.9	16.9	17.7	18.6	19.4	22.0	23.7	27.0	32.1	39.7	43.1
62.5°	11.0	11.0	11.8	11.8	12.7	14.4	16.1	19.4	23.7	29.6	33.0
65°	9.3	9.3	9.3	10.1	10.1	11.8	13.5	16.1	19.4	23.7	27.0
67.5°	7.6	7.6	7.6	8.5	8.5	9.3	11.0	12.7	15.2	18.6	21.1
70°	5.9	5.9	5.9	6.8	6.8	7.6	8.5	9.3	11.8	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	11.8
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: P212791

CATALOG NUMBER: LD6B15D010 EU6B10209035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	714.9	717.4	717.4	714.9	708.1	714.0	720.0	714.0	721.6	708.1	708.1
5°	714.9	716.6	715.7	712.4	705.6	710.7	714.9	709.0	714.9	702.2	701.4
7.5°	716.6	714.9	713.2	709.0	700.5	703.9	708.1	701.4	707.3	693.8	692.1
10°	713.2	710.7	707.3	701.4	692.1	694.6	697.1	691.2	695.5	681.9	681.1
12.5°	713.2	709.0	703.9	697.1	687.0	688.7	691.2	683.6	687.0	674.3	672.6
15°	714.9	707.3	701.4	693.8	682.8	683.6	685.3	676.9	680.2	666.7	665.9
17.5°	709.0	700.5	694.6	685.3	673.5	674.3	674.3	665.9	668.4	654.9	654.0
20°	696.3	686.2	679.4	670.9	658.3	658.3	658.3	649.8	651.5	639.7	638.0
22.5°	678.6	667.6	660.8	652.4	640.5	639.7	638.8	632.1	632.1	621.1	618.6
25°	654.9	644.8	638.0	630.4	618.6	616.9	616.9	610.9	610.1	600.0	598.3
27.5°	627.9	616.0	610.1	603.3	592.4	590.7	589.8	586.4	584.8	573.8	572.9
30°	591.5	581.4	576.3	570.4	560.2	558.6	557.7	554.3	553.5	542.5	542.5
32.5°	552.6	540.0	536.6	530.7	523.1	522.2	523.1	518.8	515.5	507.9	506.2
35°	506.2	493.5	491.0	488.4	482.5	480.8	480.0	479.1	474.9	469.8	467.3
37.5°	452.1	441.1	441.1	440.3	436.0	436.0	436.0	434.3	430.1	428.4	423.4
40°	393.8	385.3	386.2	387.0	385.3	386.2	387.0	385.3	381.9	380.3	376.0
42.5°	331.2	327.0	330.4	332.9	332.9	335.5	337.2	337.2	332.9	332.1	328.7
45°	268.7	267.9	274.6	279.7	281.4	285.6	288.2	286.5	286.5	286.5	283.1
47.5°	210.4	213.8	219.7	229.8	233.2	238.3	240.0	242.5	241.7	242.5	240.0
50°	159.7	167.3	174.9	185.1	190.1	196.0	198.6	202.0	202.0	202.8	201.1
52.5°	120.8	126.8	139.4	146.2	152.1	158.0	161.4	164.8	165.6	165.6	163.9
55°	89.6	98.0	106.5	115.8	120.8	126.8	129.3	132.7	132.7	134.4	132.7
57.5°	65.1	73.5	82.8	89.6	95.5	99.7	102.2	104.8	106.5	106.5	105.6
60°	48.2	54.9	62.5	69.3	74.4	78.6	80.3	82.8	83.7	83.7	82.0
62.5°	36.3	43.1	49.9	55.8	59.2	62.5	64.2	65.9	65.9	65.9	65.1
65°	29.6	34.6	39.7	44.8	48.2	50.7	51.5	53.2	52.4	53.2	52.4
67.5°	23.7	27.0	31.3	34.6	37.2	38.9	39.7	41.4	40.6	41.4	40.6
70°	17.7	21.1	23.7	26.2	27.9	29.6	30.4	31.3	30.4	31.3	30.4
72.5°	13.5	15.2	17.7	20.3	21.1	22.0	22.8	22.8	22.8	23.7	22.8
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	10.1	11.0	11.0	11.8	11.8	11.8	11.8
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: P212791

CATALOG NUMBER: LD6B15D010 EU6B10209035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	725.9	725.9	725.9	725.9
2.5°	714.9	710.7	717.4	707.3
5°	707.3	703.1	711.5	698.8
7.5°	698.0	693.8	701.4	688.7
10°	686.2	681.9	688.7	675.2
12.5°	676.0	671.8	679.4	666.7
15°	668.4	664.2	670.9	659.1
17.5°	656.6	651.5	659.1	646.4
20°	639.7	636.3	642.2	629.5
22.5°	620.2	616.9	623.6	610.9
25°	600.0	595.7	602.5	589.8
27.5°	573.8	570.4	577.1	564.5
30°	542.5	539.1	545.9	534.1
32.5°	507.0	503.6	508.7	498.6
35°	466.5	463.9	469.0	458.0
37.5°	422.5	420.0	425.0	414.1
40°	375.2	372.7	376.9	371.8
42.5°	328.7	326.2	330.4	326.2
45°	283.1	281.4	285.6	281.4
47.5°	240.8	239.1	243.4	239.1
50°	200.3	201.1	202.8	201.1
52.5°	163.9	163.9	166.5	163.9
55°	132.7	133.5	134.4	132.7
57.5°	105.6	105.6	106.5	105.6
60°	82.0	82.8	82.8	82.0
62.5°	65.1	65.1	65.1	65.1
65°	51.5	51.5	52.4	51.5
67.5°	40.6	39.7	40.6	39.7
70°	30.4	30.4	30.4	30.4
72.5°	23.7	23.7	22.8	22.8
75°	16.9	17.7	16.9	16.9
77.5°	11.8	11.8	11.8	11.8
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)