

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: P212790

Luminaire Tested: **LD6B15D010 EU6B10209030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212790
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 EU6B10209030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1196.8 lumens
Efficiency: N/A
Efficacy: 83.2 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

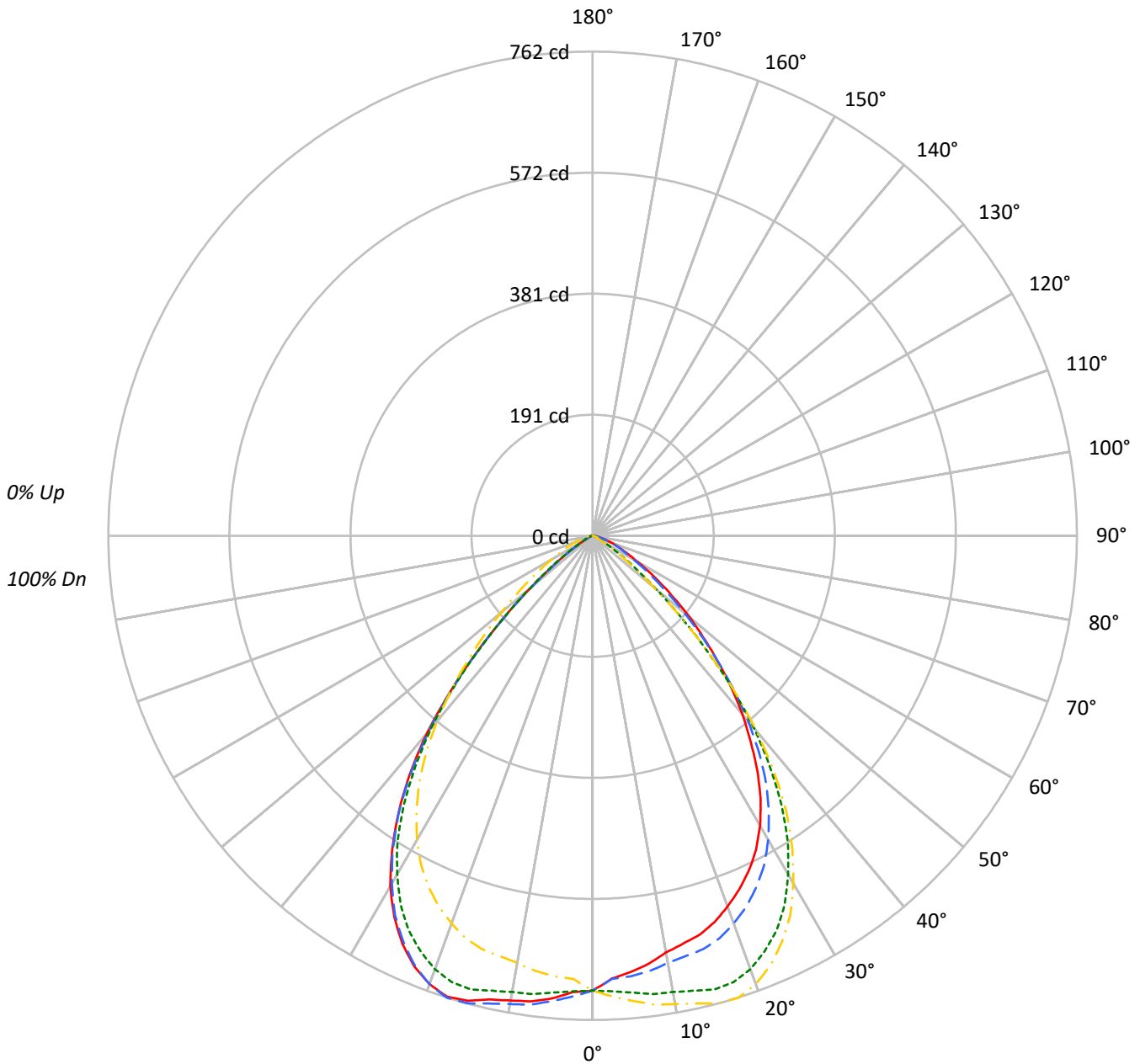
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	39240	39240	39240	39240
5°	37926	39709	40216	39709
10°	37062	40586	41332	40586
15°	36890	41947	42991	41947
20°	36216	42342	43800	42342
25°	35185	41434	42843	41434
30°	33341	38930	40304	38930
35°	30229	34686	35637	34686
40°	26242	28267	28983	28267
45°	21514	19514	19638	19514
50°	16912	10942	10729	10942
55°	12501	5419	4855	5419
60°	8859	2379	1732	2379
65°	6590	1518	1077	1518
70°	4809	1202	801	1202
75°	3537	890	530	890
80°	2368	789	253	789
85°	1572	503	503	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	5.7
10°-20°	203.0	17.0
20°-30°	302.9	25.3
30°-40°	311.2	26.0
40°-50°	201.5	16.8
50°-60°	74.9	6.3
60°-70°	24.6	2.1
70°-80°	8.7	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°	574.4	48.0
0°-40°	885.5	74.0
0°-60°	1162.0	97.1
0°-90°	1196.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	716	716	716	716	716	
5°	689	722	731	722	689	65
15°	650	739	758	739	650	183
25°	582	685	708	685	582	267
35°	452	518	532	518	452	280
45°	278	252	253	252	278	215
55°	131	57	51	57	131	119
65°	51	12	8	12	51	52
75°	17	4	2	4	17	18
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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	697.5	707.5	700.8	705.0	698.3	698.3	711.7	704.2	710.0	704.2	698.3
5°	689.2	701.7	693.3	697.5	691.7	692.5	705.0	699.2	705.0	700.8	695.8
7.5°	679.2	691.7	684.2	688.3	682.5	684.2	697.5	691.7	698.3	694.2	690.8
10°	665.8	679.2	672.5	676.7	671.7	672.5	685.8	681.7	687.5	685.0	682.5
12.5°	657.5	670.0	662.5	666.7	663.3	665.0	677.5	674.2	681.7	679.2	677.5
15°	650.0	661.7	655.0	659.2	656.7	657.5	670.8	667.5	675.8	674.2	673.3
17.5°	637.5	650.0	642.5	647.5	645.0	645.8	659.2	656.7	665.0	665.0	664.2
20°	620.8	633.3	627.5	630.8	629.2	630.8	642.5	640.8	649.2	649.2	649.2
22.5°	602.5	615.0	608.3	611.7	610.0	612.5	623.3	623.3	630.0	630.8	631.7
25°	581.7	594.2	587.5	591.7	590.0	591.7	601.7	602.5	608.3	608.3	610.0
27.5°	556.7	569.2	562.5	565.8	565.0	565.8	576.7	578.3	581.7	582.5	584.2
30°	526.7	538.3	531.7	535.0	535.0	535.0	545.8	546.7	550.0	550.8	552.5
32.5°	491.7	501.7	496.7	500.0	499.2	500.8	508.3	511.7	515.8	515.0	515.8
35°	451.7	462.5	457.5	460.0	460.8	463.3	468.3	472.5	473.3	474.2	475.8
37.5°	408.3	419.2	414.2	416.7	417.5	422.5	424.2	428.3	430.0	430.0	430.0
40°	366.7	371.7	367.5	370.0	370.8	375.0	376.7	380.0	381.7	380.8	380.0
42.5°	321.7	325.8	321.7	324.2	324.2	327.5	328.3	332.5	332.5	330.8	328.3
45°	277.5	281.7	277.5	279.2	279.2	282.5	282.5	282.5	284.2	281.7	277.5
47.5°	235.8	240.0	235.8	237.5	236.7	239.2	238.3	239.2	236.7	235.0	230.0
50°	198.3	200.0	198.3	197.5	198.3	200.0	199.2	199.2	195.8	193.3	187.5
52.5°	161.7	164.2	161.7	161.7	161.7	163.3	163.3	162.5	159.2	155.8	150.0
55°	130.8	132.5	131.7	130.8	130.8	132.5	130.8	130.8	127.5	125.0	119.2
57.5°	104.2	105.0	104.2	104.2	104.2	105.0	105.0	103.3	100.8	98.3	94.2
60°	80.8	81.7	81.7	80.8	80.8	82.5	82.5	81.7	79.2	77.5	73.3
62.5°	64.2	64.2	64.2	64.2	64.2	65.0	65.0	65.0	63.3	61.7	58.3
65°	50.8	51.7	50.8	50.8	51.7	52.5	51.7	52.5	50.8	50.0	47.5
67.5°	39.2	40.0	39.2	40.0	40.0	40.8	40.0	40.8	39.2	38.3	36.7
70°	30.0	30.0	30.0	30.0	30.0	30.8	30.0	30.8	30.0	29.2	27.5
72.5°	22.5	22.5	23.3	23.3	22.5	23.3	22.5	22.5	22.5	21.7	20.8
75°	16.7	16.7	17.5	16.7	16.7	16.7	16.7	16.7	15.8	15.8	15.0
77.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	10.8	10.8	10.0
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.7	6.7
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	4.2
85°	2.5	2.5	2.5	3.3	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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	705.0	707.5	707.5	705.0	710.8	705.8	715.8	706.7	709.2	717.5	716.6
5°	702.5	705.8	706.7	705.0	712.5	708.3	718.3	709.2	713.3	721.6	721.6
7.5°	699.2	703.3	705.0	706.7	713.3	709.2	720.8	711.7	717.5	727.5	726.6
10°	691.7	697.5	700.8	703.3	710.0	707.5	720.0	712.5	717.5	729.1	728.3
12.5°	687.5	694.2	699.2	703.3	710.8	709.2	721.6	715.0	721.6	733.3	733.3
15°	684.2	691.7	697.5	705.0	712.5	710.8	724.1	718.3	725.0	739.1	738.3
17.5°	675.8	685.0	690.8	699.2	706.7	705.8	720.0	715.8	723.3	736.6	737.5
20°	661.7	670.0	676.7	686.7	695.0	693.3	708.3	704.2	711.7	725.8	726.6
22.5°	643.3	651.7	658.3	669.2	676.7	675.8	690.8	686.7	694.2	707.5	708.3
25°	621.7	629.2	635.8	645.8	654.2	654.2	667.5	663.3	671.7	685.0	685.0
27.5°	595.0	601.7	607.5	619.2	625.8	625.8	638.3	634.2	642.5	654.2	653.3
30°	562.5	568.3	573.3	583.3	589.2	590.0	600.8	596.7	605.0	615.0	615.0
32.5°	523.3	529.2	532.5	545.0	549.2	548.3	556.7	552.5	560.8	571.7	569.2
35°	481.7	484.2	486.7	499.2	500.8	497.5	505.8	501.7	507.5	518.3	516.7
37.5°	434.2	435.0	435.0	445.8	446.7	444.2	449.2	444.2	448.3	458.3	457.5
40°	381.7	380.8	380.0	388.3	387.5	382.5	385.8	381.7	387.5	395.0	390.8
42.5°	328.3	325.8	322.5	326.7	323.3	319.2	320.8	314.2	318.3	324.2	319.2
45°	275.8	270.8	264.2	265.0	260.8	255.8	253.3	246.7	245.8	251.7	247.5
47.5°	226.7	216.7	210.8	207.5	200.8	196.7	191.7	184.2	180.8	184.2	180.0
50°	182.5	172.5	165.0	157.5	150.8	145.8	137.5	132.5	127.5	128.3	125.0
52.5°	144.2	137.5	125.0	119.2	112.5	106.7	99.2	93.3	87.5	87.5	84.2
55°	114.2	105.0	96.7	88.3	81.7	76.7	69.2	63.3	57.5	56.7	53.3
57.5°	88.3	81.7	72.5	64.2	60.0	55.0	47.5	40.8	37.5	35.0	32.5
60°	68.3	61.7	54.2	47.5	42.5	39.2	31.7	26.7	23.3	21.7	19.2
62.5°	55.0	49.2	42.5	35.8	32.5	29.2	23.3	19.2	15.8	14.2	12.5
65°	44.2	39.2	34.2	29.2	26.7	23.3	19.2	15.8	13.3	11.7	10.0
67.5°	34.2	30.8	26.7	23.3	20.8	18.3	15.0	12.5	10.8	9.2	8.3
70°	25.8	23.3	20.8	17.5	15.8	14.2	11.7	9.2	8.3	7.5	6.7
72.5°	20.0	17.5	15.0	13.3	11.7	10.8	9.2	7.5	6.7	5.8	5.0
75°	13.3	12.5	10.8	9.2	8.3	7.5	6.7	5.8	5.0	4.2	4.2
77.5°	9.2	8.3	7.5	6.7	5.8	5.8	5.0	4.2	3.3	3.3	2.5
80°	5.8	5.0	5.0	4.2	4.2	4.2	3.3	2.5	2.5	2.5	1.7
82.5°	4.2	3.3	3.3	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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	710.0	717.5	717.5	724.1	725.0	723.3	715.8	715.8	725.8	731.6	721.6
5°	716.6	724.1	724.1	730.8	734.1	731.6	724.1	725.0	735.0	741.6	731.6
7.5°	722.5	730.0	731.6	739.1	741.6	739.1	731.6	733.3	744.1	750.0	740.0
10°	725.0	732.5	733.3	741.6	745.0	741.6	735.8	736.6	748.3	752.5	743.3
12.5°	730.8	738.3	738.3	747.5	750.8	748.3	740.8	742.5	754.1	758.3	749.1
15°	736.6	744.1	744.1	754.1	758.3	755.0	749.1	750.0	761.6	765.8	758.3
17.5°	736.6	743.3	743.3	754.1	758.3	755.8	749.1	750.0	762.5	765.8	758.3
20°	725.8	733.3	731.6	742.5	746.6	744.1	738.3	738.3	750.8	754.1	746.6
22.5°	708.3	715.0	713.3	723.3	728.3	725.0	720.0	719.1	731.6	735.0	727.5
25°	684.2	690.8	689.2	699.2	704.2	700.0	694.2	695.0	705.0	710.0	703.3
27.5°	655.8	660.0	657.5	667.5	672.5	668.3	662.5	663.3	673.3	676.7	671.7
30°	617.5	620.8	618.3	626.7	630.0	627.5	622.5	622.5	631.7	635.8	630.8
32.5°	571.7	574.2	571.7	578.3	585.0	580.0	575.0	575.0	585.0	588.3	582.5
35°	518.3	520.8	519.2	525.8	530.8	524.2	520.0	518.3	531.7	530.0	526.7
37.5°	459.2	460.8	455.8	467.5	470.0	462.5	459.2	457.5	469.2	468.3	465.0
40°	392.5	394.2	390.8	399.2	400.0	394.2	391.7	389.2	400.8	400.0	397.5
42.5°	321.7	322.5	318.3	325.0	326.7	320.8	320.0	316.7	327.5	325.8	325.0
45°	248.3	248.3	245.0	250.0	251.7	246.7	245.0	244.2	251.7	251.7	250.0
47.5°	180.0	177.5	173.3	180.8	181.7	178.3	177.5	175.0	182.5	182.5	180.8
50°	123.3	122.5	121.7	123.3	124.2	120.0	122.5	120.0	124.2	124.2	124.2
52.5°	82.5	81.7	80.0	81.7	81.7	79.2	79.2	78.3	81.7	81.7	80.0
55°	51.7	50.8	50.0	50.8	50.8	48.3	50.0	48.3	50.0	50.0	49.2
57.5°	31.7	30.0	30.0	29.2	29.2	27.5	28.3	28.3	28.3	28.3	28.3
60°	18.3	17.5	16.7	16.7	16.7	15.8	15.8	15.8	15.8	15.8	15.8
62.5°	11.7	11.7	10.8	10.8	10.8	10.8	10.8	10.0	10.8	10.8	10.8
65°	10.0	9.2	9.2	9.2	9.2	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	8.3	7.5	7.5	7.5	7.5	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.7	5.8	5.8	5.8	5.8	5.8	5.0	5.8	5.8	5.0	5.0
72.5°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3	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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	733.3	725.0	720.8	729.1	732.5	728.3	725.0	719.1	725.0	728.3	732.5
5°	743.3	735.8	732.5	738.3	743.3	739.1	736.6	730.8	736.6	739.1	743.3
7.5°	752.5	745.0	740.8	746.6	752.5	746.6	744.1	739.1	744.1	746.6	752.5
10°	755.8	747.5	744.1	749.1	755.0	749.1	745.8	742.5	745.8	749.1	755.0
12.5°	761.6	753.3	749.1	753.3	759.1	753.3	750.0	747.5	750.0	753.3	759.1
15°	770.0	762.5	757.5	761.6	769.1	762.5	758.3	757.5	758.3	762.5	769.1
17.5°	770.0	764.1	759.1	762.5	770.0	765.0	759.1	760.8	759.1	765.0	770.0
20°	759.1	753.3	749.1	749.1	760.0	753.3	748.3	750.8	748.3	753.3	760.0
22.5°	740.0	735.0	730.8	730.0	740.8	735.0	728.3	733.3	728.3	735.0	740.8
25°	715.0	710.0	706.7	705.0	715.8	709.2	703.3	708.3	703.3	709.2	715.8
27.5°	682.5	678.3	675.0	672.5	682.5	676.7	670.8	675.8	670.8	676.7	682.5
30°	640.8	638.3	635.0	631.7	641.7	635.8	630.0	636.7	630.0	635.8	641.7
32.5°	592.5	590.8	586.7	583.3	593.3	586.7	582.5	587.5	582.5	586.7	593.3
35°	536.7	534.2	531.7	525.8	536.7	530.8	530.8	532.5	530.8	530.8	536.7
37.5°	474.2	472.5	469.2	464.2	473.3	469.2	467.5	472.5	467.5	469.2	473.3
40°	404.2	403.3	400.8	395.0	405.0	400.8	398.3	405.0	398.3	400.8	405.0
42.5°	330.8	329.2	326.7	325.8	330.8	327.5	330.0	330.0	330.0	327.5	330.8
45°	255.0	253.3	251.7	248.3	254.2	252.5	251.7	253.3	251.7	252.5	254.2
47.5°	185.0	183.3	181.7	179.2	185.0	182.5	182.5	184.2	182.5	182.5	185.0
50°	124.2	125.0	124.2	122.5	124.2	123.3	124.2	125.8	124.2	123.3	124.2
52.5°	82.5	82.5	80.8	80.0	81.7	80.8	83.3	81.7	83.3	80.8	81.7
55°	50.0	50.8	50.0	49.2	50.0	49.2	51.7	50.8	51.7	49.2	50.0
57.5°	28.3	28.3	29.2	28.3	30.0	29.2	29.2	29.2	29.2	29.2	30.0
60°	15.8	15.8	15.8	15.8	15.8	15.8	16.7	15.8	16.7	15.8	15.8
62.5°	10.8	10.8	10.8	10.0	10.8	10.0	10.8	10.8	10.8	10.0	10.8
65°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	729.1	720.8	725.0	733.3	721.6	731.6	725.8	715.8	715.8	723.3	725.0
5°	738.3	732.5	735.8	743.3	731.6	741.6	735.0	725.0	724.1	731.6	734.1
7.5°	746.6	740.8	745.0	752.5	740.0	750.0	744.1	733.3	731.6	739.1	741.6
10°	749.1	744.1	747.5	755.8	743.3	752.5	748.3	736.6	735.8	741.6	745.0
12.5°	753.3	749.1	753.3	761.6	749.1	758.3	754.1	742.5	740.8	748.3	750.8
15°	761.6	757.5	762.5	770.0	758.3	765.8	761.6	750.0	749.1	755.0	758.3
17.5°	762.5	759.1	764.1	770.0	758.3	765.8	762.5	750.0	749.1	755.8	758.3
20°	749.1	749.1	753.3	759.1	746.6	754.1	750.8	738.3	738.3	744.1	746.6
22.5°	730.0	730.8	735.0	740.0	727.5	735.0	731.6	719.1	720.0	725.0	728.3
25°	705.0	706.7	710.0	715.0	703.3	710.0	705.0	695.0	694.2	700.0	704.2
27.5°	672.5	675.0	678.3	682.5	671.7	676.7	673.3	663.3	662.5	668.3	672.5
30°	631.7	635.0	638.3	640.8	630.8	635.8	631.7	622.5	622.5	627.5	630.0
32.5°	583.3	586.7	590.8	592.5	582.5	588.3	585.0	575.0	575.0	580.0	585.0
35°	525.8	531.7	534.2	536.7	526.7	530.0	531.7	518.3	520.0	524.2	530.8
37.5°	464.2	469.2	472.5	474.2	465.0	468.3	469.2	457.5	459.2	462.5	470.0
40°	395.0	400.8	403.3	404.2	397.5	400.0	400.8	389.2	391.7	394.2	400.0
42.5°	325.8	326.7	329.2	330.8	325.0	325.8	327.5	316.7	320.0	320.8	326.7
45°	248.3	251.7	253.3	255.0	250.0	251.7	251.7	244.2	245.0	246.7	251.7
47.5°	179.2	181.7	183.3	185.0	180.8	182.5	182.5	175.0	177.5	178.3	181.7
50°	122.5	124.2	125.0	124.2	124.2	124.2	124.2	120.0	122.5	120.0	124.2
52.5°	80.0	80.8	82.5	82.5	80.0	81.7	81.7	78.3	79.2	79.2	81.7
55°	49.2	50.0	50.8	50.0	49.2	50.0	50.0	48.3	50.0	48.3	50.8
57.5°	28.3	29.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.5	29.2
60°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	16.7
62.5°	10.0	10.8	10.8	10.8	10.8	10.8	10.8	10.0	10.8	10.8	10.8
65°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.2
67.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.5
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.8	5.8	5.0	5.8	5.8
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	3.3
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°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	724.1	717.5	717.5	710.0	716.6	717.5	709.2	706.7	715.8	705.8	710.8
5°	730.8	724.1	724.1	716.6	721.6	721.6	713.3	709.2	718.3	708.3	712.5
7.5°	739.1	731.6	730.0	722.5	726.6	727.5	717.5	711.7	720.8	709.2	713.3
10°	741.6	733.3	732.5	725.0	728.3	729.1	717.5	712.5	720.0	707.5	710.0
12.5°	747.5	738.3	738.3	730.8	733.3	733.3	721.6	715.0	721.6	709.2	710.8
15°	754.1	744.1	744.1	736.6	738.3	739.1	725.0	718.3	724.1	710.8	712.5
17.5°	754.1	743.3	743.3	736.6	737.5	736.6	723.3	715.8	720.0	705.8	706.7
20°	742.5	731.6	733.3	725.8	726.6	725.8	711.7	704.2	708.3	693.3	695.0
22.5°	723.3	713.3	715.0	708.3	708.3	707.5	694.2	686.7	690.8	675.8	676.7
25°	699.2	689.2	690.8	684.2	685.0	685.0	671.7	663.3	667.5	654.2	654.2
27.5°	667.5	657.5	660.0	655.8	653.3	654.2	642.5	634.2	638.3	625.8	625.8
30°	626.7	618.3	620.8	617.5	615.0	615.0	605.0	596.7	600.8	590.0	589.2
32.5°	578.3	571.7	574.2	571.7	569.2	571.7	560.8	552.5	556.7	548.3	549.2
35°	525.8	519.2	520.8	518.3	516.7	518.3	507.5	501.7	505.8	497.5	500.8
37.5°	467.5	455.8	460.8	459.2	457.5	458.3	448.3	444.2	449.2	444.2	446.7
40°	399.2	390.8	394.2	392.5	390.8	395.0	387.5	381.7	385.8	382.5	387.5
42.5°	325.0	318.3	322.5	321.7	319.2	324.2	318.3	314.2	320.8	319.2	323.3
45°	250.0	245.0	248.3	248.3	247.5	251.7	245.8	246.7	253.3	255.8	260.8
47.5°	180.8	173.3	177.5	180.0	180.0	184.2	180.8	184.2	191.7	196.7	200.8
50°	123.3	121.7	122.5	123.3	125.0	128.3	127.5	132.5	137.5	145.8	150.8
52.5°	81.7	80.0	81.7	82.5	84.2	87.5	87.5	93.3	99.2	106.7	112.5
55°	50.8	50.0	50.8	51.7	53.3	56.7	57.5	63.3	69.2	76.7	81.7
57.5°	29.2	30.0	30.0	31.7	32.5	35.0	37.5	40.8	47.5	55.0	60.0
60°	16.7	16.7	17.5	18.3	19.2	21.7	23.3	26.7	31.7	39.2	42.5
62.5°	10.8	10.8	11.7	11.7	12.5	14.2	15.8	19.2	23.3	29.2	32.5
65°	9.2	9.2	9.2	10.0	10.0	11.7	13.3	15.8	19.2	23.3	26.7
67.5°	7.5	7.5	7.5	8.3	8.3	9.2	10.8	12.5	15.0	18.3	20.8
70°	5.8	5.8	5.8	6.7	6.7	7.5	8.3	9.2	11.7	14.2	15.8
72.5°	4.2	4.2	5.0	5.0	5.0	5.8	6.7	7.5	9.2	10.8	11.7
75°	3.3	3.3	3.3	3.3	4.2	4.2	5.0	5.8	6.7	7.5	8.3
77.5°	1.7	1.7	2.5	2.5	2.5	3.3	3.3	4.2	5.0	5.8	5.8
80°	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5	3.3	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



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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8
2.5°	705.0	707.5	707.5	705.0	698.3	704.2	710.0	704.2	711.7	698.3	698.3
5°	705.0	706.7	705.8	702.5	695.8	700.8	705.0	699.2	705.0	692.5	691.7
7.5°	706.7	705.0	703.3	699.2	690.8	694.2	698.3	691.7	697.5	684.2	682.5
10°	703.3	700.8	697.5	691.7	682.5	685.0	687.5	681.7	685.8	672.5	671.7
12.5°	703.3	699.2	694.2	687.5	677.5	679.2	681.7	674.2	677.5	665.0	663.3
15°	705.0	697.5	691.7	684.2	673.3	674.2	675.8	667.5	670.8	657.5	656.7
17.5°	699.2	690.8	685.0	675.8	664.2	665.0	665.0	656.7	659.2	645.8	645.0
20°	686.7	676.7	670.0	661.7	649.2	649.2	649.2	640.8	642.5	630.8	629.2
22.5°	669.2	658.3	651.7	643.3	631.7	630.8	630.0	623.3	623.3	612.5	610.0
25°	645.8	635.8	629.2	621.7	610.0	608.3	608.3	602.5	601.7	591.7	590.0
27.5°	619.2	607.5	601.7	595.0	584.2	582.5	581.7	578.3	576.7	565.8	565.0
30°	583.3	573.3	568.3	562.5	552.5	550.8	550.0	546.7	545.8	535.0	535.0
32.5°	545.0	532.5	529.2	523.3	515.8	515.0	515.8	511.7	508.3	500.8	499.2
35°	499.2	486.7	484.2	481.7	475.8	474.2	473.3	472.5	468.3	463.3	460.8
37.5°	445.8	435.0	435.0	434.2	430.0	430.0	430.0	428.3	424.2	422.5	417.5
40°	388.3	380.0	380.8	381.7	380.0	380.8	381.7	380.0	376.7	375.0	370.8
42.5°	326.7	322.5	325.8	328.3	328.3	330.8	332.5	332.5	328.3	327.5	324.2
45°	265.0	264.2	270.8	275.8	277.5	281.7	284.2	282.5	282.5	282.5	279.2
47.5°	207.5	210.8	216.7	226.7	230.0	235.0	236.7	239.2	238.3	239.2	236.7
50°	157.5	165.0	172.5	182.5	187.5	193.3	195.8	199.2	199.2	200.0	198.3
52.5°	119.2	125.0	137.5	144.2	150.0	155.8	159.2	162.5	163.3	163.3	161.7
55°	88.3	96.7	105.0	114.2	119.2	125.0	127.5	130.8	130.8	132.5	130.8
57.5°	64.2	72.5	81.7	88.3	94.2	98.3	100.8	103.3	105.0	105.0	104.2
60°	47.5	54.2	61.7	68.3	73.3	77.5	79.2	81.7	82.5	82.5	80.8
62.5°	35.8	42.5	49.2	55.0	58.3	61.7	63.3	65.0	65.0	65.0	64.2
65°	29.2	34.2	39.2	44.2	47.5	50.0	50.8	52.5	51.7	52.5	51.7
67.5°	23.3	26.7	30.8	34.2	36.7	38.3	39.2	40.8	40.0	40.8	40.0
70°	17.5	20.8	23.3	25.8	27.5	29.2	30.0	30.8	30.0	30.8	30.0
72.5°	13.3	15.0	17.5	20.0	20.8	21.7	22.5	22.5	22.5	23.3	22.5
75°	9.2	10.8	12.5	13.3	15.0	15.8	15.8	16.7	16.7	16.7	16.7
77.5°	6.7	7.5	8.3	9.2	10.0	10.8	10.8	11.7	11.7	11.7	11.7
80°	4.2	5.0	5.0	5.8	6.7	6.7	7.5	7.5	7.5	7.5	7.5
82.5°	2.5	3.3	3.3	4.2	4.2	4.2	5.0	5.0	5.0	5.0	5.0
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: P212790

CATALOG NUMBER: LD6B15D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	715.8	715.8	715.8	715.8
2.5°	705.0	700.8	707.5	697.5
5°	697.5	693.3	701.7	689.2
7.5°	688.3	684.2	691.7	679.2
10°	676.7	672.5	679.2	665.8
12.5°	666.7	662.5	670.0	657.5
15°	659.2	655.0	661.7	650.0
17.5°	647.5	642.5	650.0	637.5
20°	630.8	627.5	633.3	620.8
22.5°	611.7	608.3	615.0	602.5
25°	591.7	587.5	594.2	581.7
27.5°	565.8	562.5	569.2	556.7
30°	535.0	531.7	538.3	526.7
32.5°	500.0	496.7	501.7	491.7
35°	460.0	457.5	462.5	451.7
37.5°	416.7	414.2	419.2	408.3
40°	370.0	367.5	371.7	366.7
42.5°	324.2	321.7	325.8	321.7
45°	279.2	277.5	281.7	277.5
47.5°	237.5	235.8	240.0	235.8
50°	197.5	198.3	200.0	198.3
52.5°	161.7	161.7	164.2	161.7
55°	130.8	131.7	132.5	130.8
57.5°	104.2	104.2	105.0	104.2
60°	80.8	81.7	81.7	80.8
62.5°	64.2	64.2	64.2	64.2
65°	50.8	50.8	51.7	50.8
67.5°	40.0	39.2	40.0	39.2
70°	30.0	30.0	30.0	30.0
72.5°	23.3	23.3	22.5	22.5
75°	16.7	17.5	16.7	16.7
77.5°	11.7	11.7	11.7	11.7
80°	7.5	7.5	7.5	7.5
82.5°	5.0	5.0	5.0	5.0
85°	3.3	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)