

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: P212773

Luminaire Tested: **LD6B10D010 EU6B10208040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212773
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 EU6B10208040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1052.2 lumens
Efficiency: N/A
Efficacy: 104.7 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

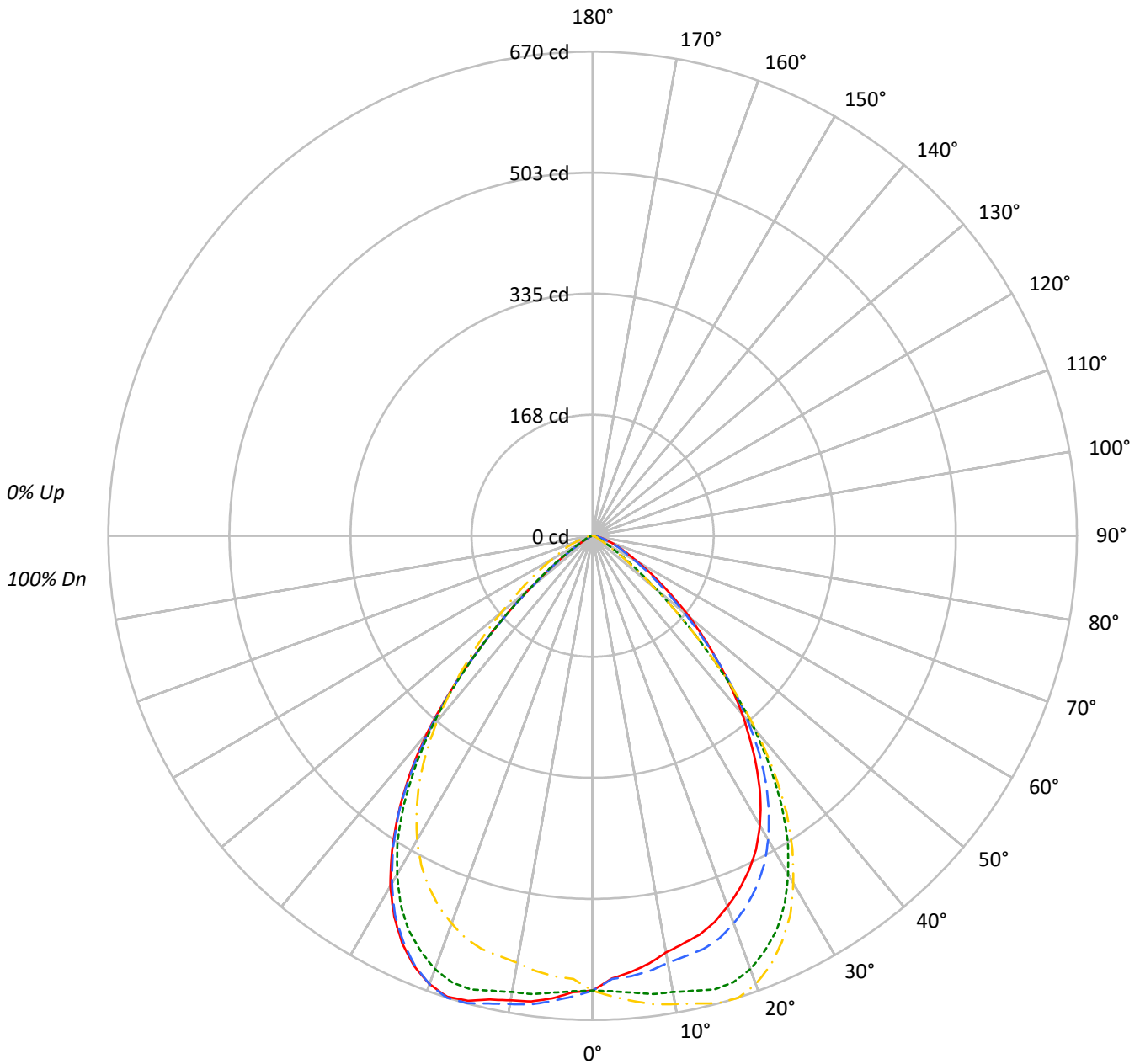
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34498	34498	34498	34498
5°	33342	34916	35357	34916
10°	32587	35687	36339	35687
15°	32435	36884	37798	36884
20°	31841	37226	38509	37226
25°	30933	36425	37665	36425
30°	29308	34227	35430	34227
35°	26575	30497	31333	30497
40°	23072	24854	25483	24854
45°	18917	17157	17265	17157
50°	14874	9620	9433	9620
55°	10991	4760	4272	4760
60°	7795	2083	1524	2083
65°	5798	1336	947	1336
70°	4231	1058	705	1058
75°	3114	784	466	784
80°	2084	695	221	695
85°	1384	440	440	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	5.7
10°-20°	178.4	17.0
20°-30°	266.3	25.3
30°-40°	273.6	26.0
40°-50°	177.2	16.8
50°-60°	65.9	6.3
60°-70°	21.6	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°	505.0	48.0
0°-40°	778.6	74.0
0°-60°	1021.6	97.1
0°-90°	1052.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	629	629	629	629	629	
5°	606	634	642	634	606	57
15°	572	650	666	650	572	161
25°	511	602	623	602	511	234
35°	397	456	468	456	397	247
45°	244	221	223	221	244	189
55°	115	50	45	50	115	105
65°	45	10	7	10	45	45
75°	15	4	2	4	15	16
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°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	613.2	622.0	616.2	619.8	614.0	614.0	625.7	619.1	624.2	619.1	614.0
5°	605.9	616.9	609.6	613.2	608.1	608.8	619.8	614.7	619.8	616.2	611.8
7.5°	597.1	608.1	601.5	605.2	600.0	601.5	613.2	608.1	614.0	610.3	607.4
10°	585.4	597.1	591.2	594.9	590.5	591.2	603.0	599.3	604.4	602.2	600.0
12.5°	578.1	589.0	582.5	586.1	583.2	584.6	595.6	592.7	599.3	597.1	595.6
15°	571.5	581.7	575.9	579.5	577.3	578.1	589.8	586.8	594.2	592.7	592.0
17.5°	560.5	571.5	564.9	569.3	567.1	567.8	579.5	577.3	584.6	584.6	583.9
20°	545.8	556.8	551.7	554.6	553.1	554.6	564.9	563.4	570.7	570.7	570.7
22.5°	529.7	540.7	534.8	537.8	536.3	538.5	548.0	548.0	553.9	554.6	555.3
25°	511.4	522.4	516.5	520.2	518.7	520.2	529.0	529.7	534.8	534.8	536.3
27.5°	489.4	500.4	494.5	497.5	496.7	497.5	507.0	508.5	511.4	512.1	513.6
30°	463.0	473.3	467.4	470.4	470.4	470.4	479.9	480.6	483.5	484.3	485.7
32.5°	432.3	441.1	436.7	439.6	438.9	440.3	446.9	449.8	453.5	452.8	453.5
35°	397.1	406.6	402.2	404.4	405.2	407.3	411.7	415.4	416.1	416.9	418.3
37.5°	359.0	368.5	364.1	366.3	367.1	371.4	372.9	376.6	378.0	378.0	378.0
40°	322.4	326.8	323.1	325.3	326.0	329.7	331.2	334.1	335.6	334.8	334.1
42.5°	282.8	286.5	282.8	285.0	285.0	287.9	288.7	292.3	292.3	290.9	288.7
45°	244.0	247.6	244.0	245.4	245.4	248.4	248.4	248.4	249.8	247.6	244.0
47.5°	207.3	211.0	207.3	208.8	208.1	210.3	209.5	210.3	208.1	206.6	202.2
50°	174.4	175.8	174.4	173.6	174.4	175.8	175.1	175.1	172.2	170.0	164.8
52.5°	142.1	144.3	142.1	142.1	142.1	143.6	143.6	142.9	139.9	137.0	131.9
55°	115.0	116.5	115.8	115.0	115.0	116.5	115.0	115.0	112.1	109.9	104.8
57.5°	91.6	92.3	91.6	91.6	91.6	92.3	92.3	90.8	88.6	86.5	82.8
60°	71.1	71.8	71.8	71.1	71.1	72.5	72.5	71.8	69.6	68.1	64.5
62.5°	56.4	56.4	56.4	56.4	56.4	57.1	57.1	57.1	55.7	54.2	51.3
65°	44.7	45.4	44.7	44.7	45.4	46.2	45.4	46.2	44.7	44.0	41.8
67.5°	34.4	35.2	34.4	35.2	35.2	35.9	35.2	35.9	34.4	33.7	32.2
70°	26.4	26.4	26.4	26.4	26.4	27.1	26.4	27.1	26.4	25.6	24.2
72.5°	19.8	19.8	20.5	20.5	19.8	20.5	19.8	19.8	19.8	19.0	18.3
75°	14.7	14.7	15.4	14.7	14.7	14.7	14.7	14.7	13.9	13.9	13.2
77.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	9.5	9.5	8.8
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	5.9	5.9
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	619.8	622.0	622.0	619.8	624.9	620.5	629.3	621.3	623.5	630.8	630.1
5°	617.6	620.5	621.3	619.8	626.4	622.7	631.5	623.5	627.1	634.5	634.5
7.5°	614.7	618.4	619.8	621.3	627.1	623.5	633.7	625.7	630.8	639.6	638.9
10°	608.1	613.2	616.2	618.4	624.2	622.0	633.0	626.4	630.8	641.1	640.3
12.5°	604.4	610.3	614.7	618.4	624.9	623.5	634.5	628.6	634.5	644.7	644.7
15°	601.5	608.1	613.2	619.8	626.4	624.9	636.7	631.5	637.4	649.9	649.1
17.5°	594.2	602.2	607.4	614.7	621.3	620.5	633.0	629.3	635.9	647.7	648.4
20°	581.7	589.0	594.9	603.7	611.0	609.6	622.7	619.1	625.7	638.1	638.9
22.5°	565.6	572.9	578.8	588.3	594.9	594.2	607.4	603.7	610.3	622.0	622.7
25°	546.6	553.1	559.0	567.8	575.1	575.1	586.8	583.2	590.5	602.2	602.2
27.5°	523.1	529.0	534.1	544.4	550.2	550.2	561.2	557.5	564.9	575.1	574.4
30°	494.5	499.7	504.1	512.8	518.0	518.7	528.2	524.6	531.9	540.7	540.7
32.5°	460.1	465.2	468.2	479.1	482.8	482.1	489.4	485.7	493.1	502.6	500.4
35°	423.5	425.7	427.9	438.9	440.3	437.4	444.7	441.1	446.2	455.7	454.2
37.5°	381.7	382.4	382.4	392.0	392.7	390.5	394.9	390.5	394.2	403.0	402.2
40°	335.6	334.8	334.1	341.4	340.7	336.3	339.2	335.6	340.7	347.3	343.6
42.5°	288.7	286.5	283.5	287.2	284.3	280.6	282.1	276.2	279.9	285.0	280.6
45°	242.5	238.1	232.2	233.0	229.3	224.9	222.7	216.9	216.1	221.3	217.6
47.5°	199.3	190.5	185.4	182.4	176.6	172.9	168.5	161.9	159.0	161.9	158.3
50°	160.4	151.7	145.1	138.5	132.6	128.2	120.9	116.5	112.1	112.8	109.9
52.5°	126.7	120.9	109.9	104.8	98.9	93.8	87.2	82.1	76.9	76.9	74.0
55°	100.4	92.3	85.0	77.7	71.8	67.4	60.8	55.7	50.6	49.8	46.9
57.5°	77.7	71.8	63.7	56.4	52.8	48.4	41.8	35.9	33.0	30.8	28.6
60°	60.1	54.2	47.6	41.8	37.4	34.4	27.8	23.4	20.5	19.0	16.9
62.5°	48.4	43.2	37.4	31.5	28.6	25.6	20.5	16.9	13.9	12.5	11.0
65°	38.8	34.4	30.0	25.6	23.4	20.5	16.9	13.9	11.7	10.3	8.8
67.5°	30.0	27.1	23.4	20.5	18.3	16.1	13.2	11.0	9.5	8.1	7.3
70°	22.7	20.5	18.3	15.4	13.9	12.5	10.3	8.1	7.3	6.6	5.9
72.5°	17.6	15.4	13.2	11.7	10.3	9.5	8.1	6.6	5.9	5.1	4.4
75°	11.7	11.0	9.5	8.1	7.3	6.6	5.9	5.1	4.4	3.7	3.7
77.5°	8.1	7.3	6.6	5.9	5.1	5.1	4.4	3.7	2.9	2.9	2.2
80°	5.1	4.4	4.4	3.7	3.7	3.7	2.9	2.2	2.2	2.2	1.5
82.5°	3.7	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	624.2	630.8	630.8	636.7	637.4	635.9	629.3	629.3	638.1	643.3	634.5
5°	630.1	636.7	636.7	642.5	645.5	643.3	636.7	637.4	646.2	652.1	643.3
7.5°	635.2	641.8	643.3	649.9	652.1	649.9	643.3	644.7	654.2	659.4	650.6
10°	637.4	644.0	644.7	652.1	655.0	652.1	646.9	647.7	657.9	661.6	653.5
12.5°	642.5	649.1	649.1	657.2	660.1	657.9	651.3	652.8	663.0	666.7	658.6
15°	647.7	654.2	654.2	663.0	666.7	663.8	658.6	659.4	669.6	673.3	666.7
17.5°	647.7	653.5	653.5	663.0	666.7	664.5	658.6	659.4	670.4	673.3	666.7
20°	638.1	644.7	643.3	652.8	656.4	654.2	649.1	649.1	660.1	663.0	656.4
22.5°	622.7	628.6	627.1	635.9	640.3	637.4	633.0	632.3	643.3	646.2	639.6
25°	601.5	607.4	605.9	614.7	619.1	615.4	610.3	611.0	619.8	624.2	618.4
27.5°	576.6	580.3	578.1	586.8	591.2	587.6	582.5	583.2	592.0	594.9	590.5
30°	542.9	545.8	543.6	550.9	553.9	551.7	547.3	547.3	555.3	559.0	554.6
32.5°	502.6	504.8	502.6	508.5	514.3	509.9	505.5	505.5	514.3	517.2	512.1
35°	455.7	457.9	456.4	462.3	466.7	460.8	457.2	455.7	467.4	466.0	463.0
37.5°	403.7	405.2	400.8	411.0	413.2	406.6	403.7	402.2	412.5	411.7	408.8
40°	345.1	346.5	343.6	350.9	351.7	346.5	344.3	342.1	352.4	351.7	349.5
42.5°	282.8	283.5	279.9	285.7	287.2	282.1	281.3	278.4	287.9	286.5	285.7
45°	218.3	218.3	215.4	219.8	221.3	216.9	215.4	214.7	221.3	221.3	219.8
47.5°	158.3	156.1	152.4	159.0	159.7	156.8	156.1	153.9	160.4	160.4	159.0
50°	108.4	107.7	107.0	108.4	109.2	105.5	107.7	105.5	109.2	109.2	109.2
52.5°	72.5	71.8	70.3	71.8	71.8	69.6	69.6	68.9	71.8	71.8	70.3
55°	45.4	44.7	44.0	44.7	44.7	42.5	44.0	42.5	44.0	44.0	43.2
57.5°	27.8	26.4	26.4	25.6	25.6	24.2	24.9	24.9	24.9	24.9	24.9
60°	16.1	15.4	14.7	14.7	14.7	13.9	13.9	13.9	13.9	13.9	13.9
62.5°	10.3	10.3	9.5	9.5	9.5	9.5	9.5	8.8	9.5	9.5	9.5
65°	8.8	8.1	8.1	8.1	8.1	7.3	7.3	7.3	7.3	7.3	7.3
67.5°	7.3	6.6	6.6	6.6	6.6	5.9	5.9	5.9	5.9	5.9	5.9
70°	5.9	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	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	644.7	637.4	633.7	641.1	644.0	640.3	637.4	632.3	637.4	640.3	644.0
5°	653.5	646.9	644.0	649.1	653.5	649.9	647.7	642.5	647.7	649.9	653.5
7.5°	661.6	655.0	651.3	656.4	661.6	656.4	654.2	649.9	654.2	656.4	661.6
10°	664.5	657.2	654.2	658.6	663.8	658.6	655.7	652.8	655.7	658.6	663.8
12.5°	669.6	662.3	658.6	662.3	667.4	662.3	659.4	657.2	659.4	662.3	667.4
15°	677.0	670.4	666.0	669.6	676.2	670.4	666.7	666.0	666.7	670.4	676.2
17.5°	677.0	671.8	667.4	670.4	677.0	672.6	667.4	668.9	667.4	672.6	677.0
20°	667.4	662.3	658.6	658.6	668.2	662.3	657.9	660.1	657.9	662.3	668.2
22.5°	650.6	646.2	642.5	641.8	651.3	646.2	640.3	644.7	640.3	646.2	651.3
25°	628.6	624.2	621.3	619.8	629.3	623.5	618.4	622.7	618.4	623.5	629.3
27.5°	600.0	596.4	593.4	591.2	600.0	594.9	589.8	594.2	589.8	594.9	600.0
30°	563.4	561.2	558.3	555.3	564.1	559.0	553.9	559.7	553.9	559.0	564.1
32.5°	520.9	519.4	515.8	512.8	521.6	515.8	512.1	516.5	512.1	515.8	521.6
35°	471.8	469.6	467.4	462.3	471.8	466.7	466.7	468.2	466.7	466.7	471.8
37.5°	416.9	415.4	412.5	408.1	416.1	412.5	411.0	415.4	411.0	412.5	416.1
40°	355.3	354.6	352.4	347.3	356.1	352.4	350.2	356.1	350.2	352.4	356.1
42.5°	290.9	289.4	287.2	286.5	290.9	287.9	290.1	290.1	290.1	287.9	290.9
45°	224.2	222.7	221.3	218.3	223.5	222.0	221.3	222.7	221.3	222.0	223.5
47.5°	162.6	161.2	159.7	157.5	162.6	160.4	160.4	161.9	160.4	160.4	162.6
50°	109.2	109.9	109.2	107.7	109.2	108.4	109.2	110.6	109.2	108.4	109.2
52.5°	72.5	72.5	71.1	70.3	71.8	71.1	73.3	71.8	73.3	71.1	71.8
55°	44.0	44.7	44.0	43.2	44.0	43.2	45.4	44.7	45.4	43.2	44.0
57.5°	24.9	24.9	25.6	24.9	26.4	25.6	25.6	25.6	25.6	25.6	26.4
60°	13.9	13.9	13.9	13.9	13.9	13.9	14.7	13.9	14.7	13.9	13.9
62.5°	9.5	9.5	9.5	8.8	9.5	8.8	9.5	9.5	9.5	8.8	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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	641.1	633.7	637.4	644.7	634.5	643.3	638.1	629.3	629.3	635.9	637.4
5°	649.1	644.0	646.9	653.5	643.3	652.1	646.2	637.4	636.7	643.3	645.5
7.5°	656.4	651.3	655.0	661.6	650.6	659.4	654.2	644.7	643.3	649.9	652.1
10°	658.6	654.2	657.2	664.5	653.5	661.6	657.9	647.7	646.9	652.1	655.0
12.5°	662.3	658.6	662.3	669.6	658.6	666.7	663.0	652.8	651.3	657.9	660.1
15°	669.6	666.0	670.4	677.0	666.7	673.3	669.6	659.4	658.6	663.8	666.7
17.5°	670.4	667.4	671.8	677.0	666.7	673.3	670.4	659.4	658.6	664.5	666.7
20°	658.6	658.6	662.3	667.4	656.4	663.0	660.1	649.1	649.1	654.2	656.4
22.5°	641.8	642.5	646.2	650.6	639.6	646.2	643.3	632.3	633.0	637.4	640.3
25°	619.8	621.3	624.2	628.6	618.4	624.2	619.8	611.0	610.3	615.4	619.1
27.5°	591.2	593.4	596.4	600.0	590.5	594.9	592.0	583.2	582.5	587.6	591.2
30°	555.3	558.3	561.2	563.4	554.6	559.0	555.3	547.3	547.3	551.7	553.9
32.5°	512.8	515.8	519.4	520.9	512.1	517.2	514.3	505.5	505.5	509.9	514.3
35°	462.3	467.4	469.6	471.8	463.0	466.0	467.4	455.7	457.2	460.8	466.7
37.5°	408.1	412.5	415.4	416.9	408.8	411.7	412.5	402.2	403.7	406.6	413.2
40°	347.3	352.4	354.6	355.3	349.5	351.7	352.4	342.1	344.3	346.5	351.7
42.5°	286.5	287.2	289.4	290.9	285.7	286.5	287.9	278.4	281.3	282.1	287.2
45°	218.3	221.3	222.7	224.2	219.8	221.3	221.3	214.7	215.4	216.9	221.3
47.5°	157.5	159.7	161.2	162.6	159.0	160.4	160.4	153.9	156.1	156.8	159.7
50°	107.7	109.2	109.9	109.2	109.2	109.2	109.2	105.5	107.7	105.5	109.2
52.5°	70.3	71.1	72.5	72.5	70.3	71.8	71.8	68.9	69.6	69.6	71.8
55°	43.2	44.0	44.7	44.0	43.2	44.0	44.0	42.5	44.0	42.5	44.7
57.5°	24.9	25.6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.2	25.6
60°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.7
62.5°	8.8	9.5	9.5	9.5	9.5	9.5	9.5	8.8	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	8.1
67.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	636.7	630.8	630.8	624.2	630.1	630.8	623.5	621.3	629.3	620.5	624.9
5°	642.5	636.7	636.7	630.1	634.5	634.5	627.1	623.5	631.5	622.7	626.4
7.5°	649.9	643.3	641.8	635.2	638.9	639.6	630.8	625.7	633.7	623.5	627.1
10°	652.1	644.7	644.0	637.4	640.3	641.1	630.8	626.4	633.0	622.0	624.2
12.5°	657.2	649.1	649.1	642.5	644.7	644.7	634.5	628.6	634.5	623.5	624.9
15°	663.0	654.2	654.2	647.7	649.1	649.9	637.4	631.5	636.7	624.9	626.4
17.5°	663.0	653.5	653.5	647.7	648.4	647.7	635.9	629.3	633.0	620.5	621.3
20°	652.8	643.3	644.7	638.1	638.9	638.1	625.7	619.1	622.7	609.6	611.0
22.5°	635.9	627.1	628.6	622.7	622.7	622.0	610.3	603.7	607.4	594.2	594.9
25°	614.7	605.9	607.4	601.5	602.2	602.2	590.5	583.2	586.8	575.1	575.1
27.5°	586.8	578.1	580.3	576.6	574.4	575.1	564.9	557.5	561.2	550.2	550.2
30°	550.9	543.6	545.8	542.9	540.7	540.7	531.9	524.6	528.2	518.7	518.0
32.5°	508.5	502.6	504.8	502.6	500.4	502.6	493.1	485.7	489.4	482.1	482.8
35°	462.3	456.4	457.9	455.7	454.2	455.7	446.2	441.1	444.7	437.4	440.3
37.5°	411.0	400.8	405.2	403.7	402.2	403.0	394.2	390.5	394.9	390.5	392.7
40°	350.9	343.6	346.5	345.1	343.6	347.3	340.7	335.6	339.2	336.3	340.7
42.5°	285.7	279.9	283.5	282.8	280.6	285.0	279.9	276.2	282.1	280.6	284.3
45°	219.8	215.4	218.3	218.3	217.6	221.3	216.1	216.9	222.7	224.9	229.3
47.5°	159.0	152.4	156.1	158.3	158.3	161.9	159.0	161.9	168.5	172.9	176.6
50°	108.4	107.0	107.7	108.4	109.9	112.8	112.1	116.5	120.9	128.2	132.6
52.5°	71.8	70.3	71.8	72.5	74.0	76.9	76.9	82.1	87.2	93.8	98.9
55°	44.7	44.0	44.7	45.4	46.9	49.8	50.6	55.7	60.8	67.4	71.8
57.5°	25.6	26.4	26.4	27.8	28.6	30.8	33.0	35.9	41.8	48.4	52.8
60°	14.7	14.7	15.4	16.1	16.9	19.0	20.5	23.4	27.8	34.4	37.4
62.5°	9.5	9.5	10.3	10.3	11.0	12.5	13.9	16.9	20.5	25.6	28.6
65°	8.1	8.1	8.1	8.8	8.8	10.3	11.7	13.9	16.9	20.5	23.4
67.5°	6.6	6.6	6.6	7.3	7.3	8.1	9.5	11.0	13.2	16.1	18.3
70°	5.1	5.1	5.1	5.9	5.9	6.6	7.3	8.1	10.3	12.5	13.9
72.5°	3.7	3.7	4.4	4.4	4.4	5.1	5.9	6.6	8.1	9.5	10.3
75°	2.9	2.9	2.9	2.9	3.7	3.7	4.4	5.1	5.9	6.6	7.3
77.5°	1.5	1.5	2.2	2.2	2.2	2.9	2.9	3.7	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	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	619.8	622.0	622.0	619.8	614.0	619.1	624.2	619.1	625.7	614.0	614.0
5°	619.8	621.3	620.5	617.6	611.8	616.2	619.8	614.7	619.8	608.8	608.1
7.5°	621.3	619.8	618.4	614.7	607.4	610.3	614.0	608.1	613.2	601.5	600.0
10°	618.4	616.2	613.2	608.1	600.0	602.2	604.4	599.3	603.0	591.2	590.5
12.5°	618.4	614.7	610.3	604.4	595.6	597.1	599.3	592.7	595.6	584.6	583.2
15°	619.8	613.2	608.1	601.5	592.0	592.7	594.2	586.8	589.8	578.1	577.3
17.5°	614.7	607.4	602.2	594.2	583.9	584.6	584.6	577.3	579.5	567.8	567.1
20°	603.7	594.9	589.0	581.7	570.7	570.7	570.7	563.4	564.9	554.6	553.1
22.5°	588.3	578.8	572.9	565.6	555.3	554.6	553.9	548.0	548.0	538.5	536.3
25°	567.8	559.0	553.1	546.6	536.3	534.8	534.8	529.7	529.0	520.2	518.7
27.5°	544.4	534.1	529.0	523.1	513.6	512.1	511.4	508.5	507.0	497.5	496.7
30°	512.8	504.1	499.7	494.5	485.7	484.3	483.5	480.6	479.9	470.4	470.4
32.5°	479.1	468.2	465.2	460.1	453.5	452.8	453.5	449.8	446.9	440.3	438.9
35°	438.9	427.9	425.7	423.5	418.3	416.9	416.1	415.4	411.7	407.3	405.2
37.5°	392.0	382.4	382.4	381.7	378.0	378.0	378.0	376.6	372.9	371.4	367.1
40°	341.4	334.1	334.8	335.6	334.1	334.8	335.6	334.1	331.2	329.7	326.0
42.5°	287.2	283.5	286.5	288.7	288.7	290.9	292.3	292.3	288.7	287.9	285.0
45°	233.0	232.2	238.1	242.5	244.0	247.6	249.8	248.4	248.4	248.4	245.4
47.5°	182.4	185.4	190.5	199.3	202.2	206.6	208.1	210.3	209.5	210.3	208.1
50°	138.5	145.1	151.7	160.4	164.8	170.0	172.2	175.1	175.1	175.8	174.4
52.5°	104.8	109.9	120.9	126.7	131.9	137.0	139.9	142.9	143.6	143.6	142.1
55°	77.7	85.0	92.3	100.4	104.8	109.9	112.1	115.0	115.0	116.5	115.0
57.5°	56.4	63.7	71.8	77.7	82.8	86.5	88.6	90.8	92.3	92.3	91.6
60°	41.8	47.6	54.2	60.1	64.5	68.1	69.6	71.8	72.5	72.5	71.1
62.5°	31.5	37.4	43.2	48.4	51.3	54.2	55.7	57.1	57.1	57.1	56.4
65°	25.6	30.0	34.4	38.8	41.8	44.0	44.7	46.2	45.4	46.2	45.4
67.5°	20.5	23.4	27.1	30.0	32.2	33.7	34.4	35.9	35.2	35.9	35.2
70°	15.4	18.3	20.5	22.7	24.2	25.6	26.4	27.1	26.4	27.1	26.4
72.5°	11.7	13.2	15.4	17.6	18.3	19.0	19.8	19.8	19.8	20.5	19.8
75°	8.1	9.5	11.0	11.7	13.2	13.9	13.9	14.7	14.7	14.7	14.7
77.5°	5.9	6.6	7.3	8.1	8.8	9.5	9.5	10.3	10.3	10.3	10.3
80°	3.7	4.4	4.4	5.1	5.9	5.9	6.6	6.6	6.6	6.6	6.6
82.5°	2.2	2.9	2.9	3.7	3.7	3.7	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: P212773

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	629.3	629.3	629.3	629.3
2.5°	619.8	616.2	622.0	613.2
5°	613.2	609.6	616.9	605.9
7.5°	605.2	601.5	608.1	597.1
10°	594.9	591.2	597.1	585.4
12.5°	586.1	582.5	589.0	578.1
15°	579.5	575.9	581.7	571.5
17.5°	569.3	564.9	571.5	560.5
20°	554.6	551.7	556.8	545.8
22.5°	537.8	534.8	540.7	529.7
25°	520.2	516.5	522.4	511.4
27.5°	497.5	494.5	500.4	489.4
30°	470.4	467.4	473.3	463.0
32.5°	439.6	436.7	441.1	432.3
35°	404.4	402.2	406.6	397.1
37.5°	366.3	364.1	368.5	359.0
40°	325.3	323.1	326.8	322.4
42.5°	285.0	282.8	286.5	282.8
45°	245.4	244.0	247.6	244.0
47.5°	208.8	207.3	211.0	207.3
50°	173.6	174.4	175.8	174.4
52.5°	142.1	142.1	144.3	142.1
55°	115.0	115.8	116.5	115.0
57.5°	91.6	91.6	92.3	91.6
60°	71.1	71.8	71.8	71.1
62.5°	56.4	56.4	56.4	56.4
65°	44.7	44.7	45.4	44.7
67.5°	35.2	34.4	35.2	34.4
70°	26.4	26.4	26.4	26.4
72.5°	20.5	20.5	19.8	19.8
75°	14.7	15.4	14.7	14.7
77.5°	10.3	10.3	10.3	10.3
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



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





















(END OF REPORT)