

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: P212780

Luminaire Tested: **LD6B10D010 EU6B10209050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212780
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 EU6B10209050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 884.9 lumens
Efficiency: N/A
Efficacy: 88.1 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

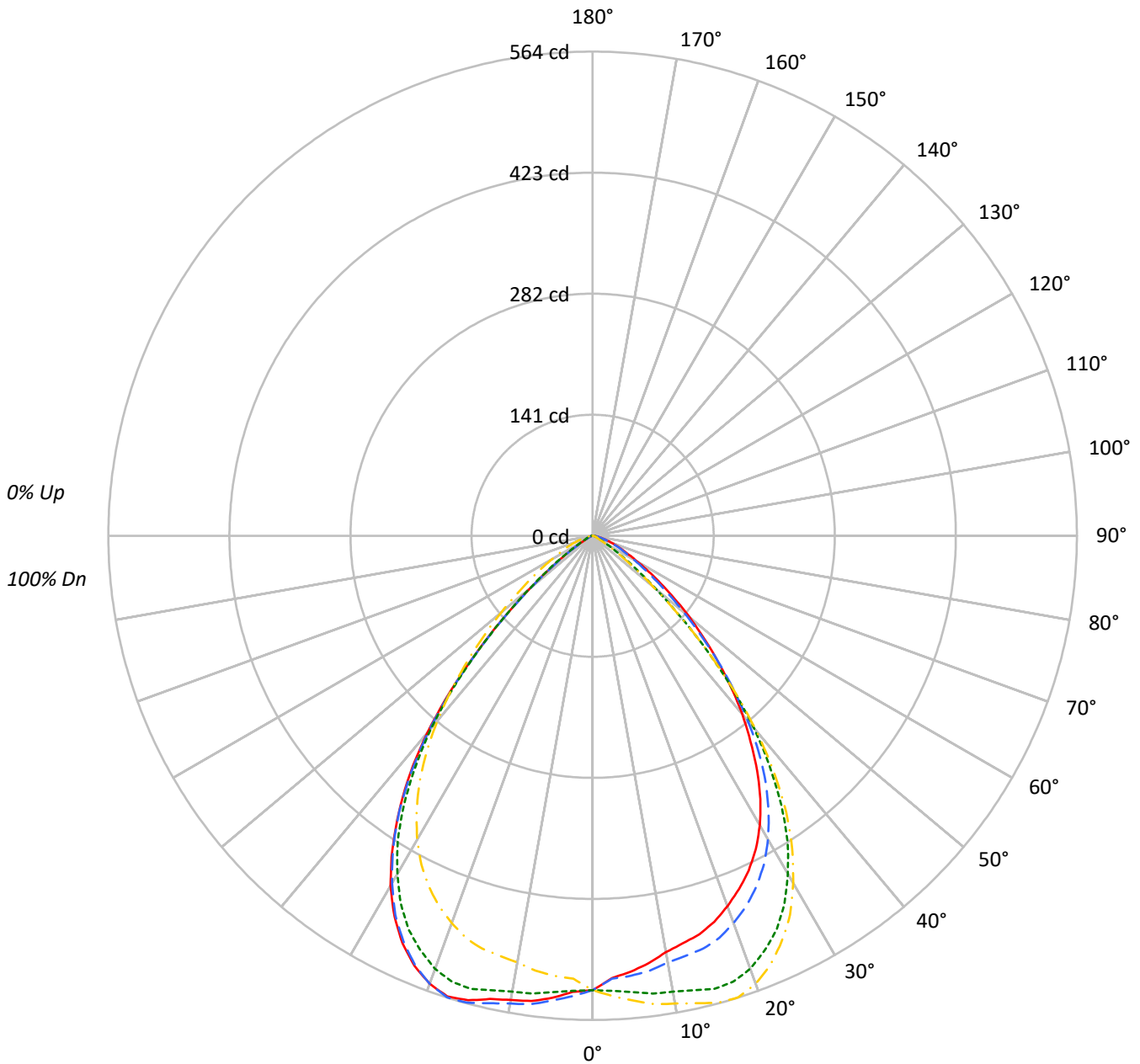
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	29016	29016	29016	29016
5°	28043	29364	29738	29364
10°	27404	30015	30561	30015
15°	27276	31022	31788	31022
20°	26783	31310	32389	31310
25°	26016	30637	31683	30637
30°	24649	28783	29802	28783
35°	22352	25652	26348	25652
40°	19401	20903	21433	20903
45°	15909	14428	14521	14428
50°	12511	8094	7932	8094
55°	9242	4005	3594	4005
60°	6556	1754	1283	1754
65°	4877	1116	804	1116
70°	3558	882	593	882
75°	2605	657	381	657
80°	1736	568	189	568
85°	1132	377	377	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	5.7
10°-20°	150.1	17.0
20°-30°	224.0	25.3
30°-40°	230.1	26.0
40°-50°	149.0	16.8
50°-60°	55.4	6.3
60°-70°	18.2	2.1
70°-80°	6.4	0.7
80°-90°	1.1	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°	424.7	48.0
0°-40°	654.8	74.0
0°-60°	859.2	97.1
0°-90°	884.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	529	529	529	529	529	
5°	510	534	540	534	510	48
15°	481	547	560	547	481	135
25°	430	506	524	506	430	197
35°	334	383	394	383	334	207
45°	205	186	187	186	205	159
55°	97	42	38	42	97	88
65°	38	9	6	9	38	38
75°	12	3	2	3	12	14
85°	2	1	1	1	2	2
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°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	515.7	523.1	518.2	521.3	516.4	516.4	526.2	520.7	525.0	520.7	516.4
5°	509.6	518.8	512.7	515.7	511.4	512.0	521.3	517.0	521.3	518.2	514.5
7.5°	502.2	511.4	505.9	509.0	504.7	505.9	515.7	511.4	516.4	513.3	510.8
10°	492.3	502.2	497.3	500.3	496.6	497.3	507.1	504.0	508.4	506.5	504.7
12.5°	486.2	495.4	489.9	492.9	490.5	491.7	501.0	498.5	504.0	502.2	501.0
15°	480.6	489.2	484.3	487.4	485.6	486.2	496.0	493.6	499.7	498.5	497.9
17.5°	471.4	480.6	475.1	478.8	476.9	477.5	487.4	485.6	491.7	491.7	491.1
20°	459.1	468.3	464.0	466.4	465.2	466.4	475.1	473.8	480.0	480.0	480.0
22.5°	445.5	454.7	449.8	452.3	451.0	452.9	460.9	460.9	465.8	466.4	467.1
25°	430.1	439.3	434.4	437.5	436.3	437.5	444.9	445.5	449.8	449.8	451.0
27.5°	411.6	420.9	415.9	418.4	417.8	418.4	426.4	427.6	430.1	430.7	431.9
30°	389.4	398.1	393.1	395.6	395.6	395.6	403.6	404.2	406.7	407.3	408.5
32.5°	363.5	370.9	367.2	369.7	369.1	370.3	375.9	378.3	381.4	380.8	381.4
35°	334.0	342.0	338.3	340.1	340.7	342.6	346.3	349.4	350.0	350.6	351.8
37.5°	301.9	309.9	306.2	308.1	308.7	312.4	313.6	316.7	317.9	317.9	317.9
40°	271.1	274.8	271.7	273.6	274.2	277.3	278.5	281.0	282.2	281.6	281.0
42.5°	237.8	240.9	237.8	239.7	239.7	242.2	242.8	245.9	245.9	244.6	242.8
45°	205.2	208.3	205.2	206.4	206.4	208.9	208.9	208.9	210.1	208.3	205.2
47.5°	174.4	177.5	174.4	175.6	175.0	176.8	176.2	176.8	175.0	173.8	170.1
50°	146.7	147.9	146.7	146.0	146.7	147.9	147.3	147.3	144.8	143.0	138.6
52.5°	119.5	121.4	119.5	119.5	119.5	120.8	120.8	120.2	117.7	115.2	110.9
55°	96.7	98.0	97.4	96.7	96.7	98.0	96.7	96.7	94.3	92.4	88.1
57.5°	77.0	77.6	77.0	77.0	77.0	77.6	77.6	76.4	74.6	72.7	69.6
60°	59.8	60.4	60.4	59.8	59.8	61.0	61.0	60.4	58.5	57.3	54.2
62.5°	47.4	47.4	47.4	47.4	47.4	48.1	48.1	48.1	46.8	45.6	43.1
65°	37.6	38.2	37.6	37.6	38.2	38.8	38.2	38.8	37.6	37.0	35.1
67.5°	29.0	29.6	29.0	29.6	29.6	30.2	29.6	30.2	29.0	28.3	27.1
70°	22.2	22.2	22.2	22.2	22.2	22.8	22.2	22.8	22.2	21.6	20.3
72.5°	16.6	16.6	17.3	17.3	16.6	17.3	16.6	16.6	16.6	16.0	15.4
75°	12.3	12.3	12.9	12.3	12.3	12.3	12.3	12.3	11.7	11.7	11.1
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.0	8.0	7.4
80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.9	4.9
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.1	3.1
85°	1.8	1.8	1.8	2.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
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°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	521.3	523.1	523.1	521.3	525.6	521.9	529.3	522.5	524.4	530.5	529.9
5°	519.4	521.9	522.5	521.3	526.8	523.8	531.1	524.4	527.5	533.6	533.6
7.5°	517.0	520.1	521.3	522.5	527.5	524.4	533.0	526.2	530.5	537.9	537.3
10°	511.4	515.7	518.2	520.1	525.0	523.1	532.4	526.8	530.5	539.2	538.5
12.5°	508.4	513.3	517.0	520.1	525.6	524.4	533.6	528.7	533.6	542.2	542.2
15°	505.9	511.4	515.7	521.3	526.8	525.6	535.5	531.1	536.1	546.6	545.9
17.5°	499.7	506.5	510.8	517.0	522.5	521.9	532.4	529.3	534.8	544.7	545.3
20°	489.2	495.4	500.3	507.7	513.9	512.7	523.8	520.7	526.2	536.7	537.3
22.5°	475.7	481.9	486.8	494.8	500.3	499.7	510.8	507.7	513.3	523.1	523.8
25°	459.7	465.2	470.1	477.5	483.7	483.7	493.6	490.5	496.6	506.5	506.5
27.5°	440.0	444.9	449.2	457.8	462.8	462.8	472.0	468.9	475.1	483.7	483.1
30°	415.9	420.2	423.9	431.3	435.6	436.3	444.3	441.2	447.3	454.7	454.7
32.5°	387.0	391.3	393.7	403.0	406.1	405.4	411.6	408.5	414.7	422.7	420.9
35°	356.2	358.0	359.9	369.1	370.3	367.9	374.0	370.9	375.3	383.3	382.0
37.5°	321.0	321.6	321.6	329.7	330.3	328.4	332.1	328.4	331.5	338.9	338.3
40°	282.2	281.6	281.0	287.1	286.5	282.8	285.3	282.2	286.5	292.1	289.0
42.5°	242.8	240.9	238.5	241.5	239.1	236.0	237.2	232.3	235.4	239.7	236.0
45°	204.0	200.3	195.3	195.9	192.9	189.2	187.3	182.4	181.8	186.1	183.0
47.5°	167.6	160.2	155.9	153.4	148.5	145.4	141.7	136.2	133.7	136.2	133.1
50°	134.9	127.5	122.0	116.5	111.5	107.8	101.7	98.0	94.3	94.9	92.4
52.5°	106.6	101.7	92.4	88.1	83.2	78.9	73.3	69.0	64.7	64.7	62.2
55°	84.4	77.6	71.5	65.3	60.4	56.7	51.1	46.8	42.5	41.9	39.4
57.5°	65.3	60.4	53.6	47.4	44.4	40.7	35.1	30.2	27.7	25.9	24.0
60°	50.5	45.6	40.1	35.1	31.4	29.0	23.4	19.7	17.3	16.0	14.2
62.5°	40.7	36.4	31.4	26.5	24.0	21.6	17.3	14.2	11.7	10.5	9.2
65°	32.7	29.0	25.3	21.6	19.7	17.3	14.2	11.7	9.9	8.6	7.4
67.5°	25.3	22.8	19.7	17.3	15.4	13.6	11.1	9.2	8.0	6.8	6.2
70°	19.1	17.3	15.4	12.9	11.7	10.5	8.6	6.8	6.2	5.5	4.9
72.5°	14.8	12.9	11.1	9.9	8.6	8.0	6.8	5.5	4.9	4.3	3.7
75°	9.9	9.2	8.0	6.8	6.2	5.5	4.9	4.3	3.7	3.1	3.1
77.5°	6.8	6.2	5.5	4.9	4.3	4.3	3.7	3.1	2.5	2.5	1.8
80°	4.3	3.7	3.7	3.1	3.1	3.1	2.5	1.8	1.8	1.8	1.2
82.5°	3.1	2.5	2.5	1.8	1.8	1.8	1.8	1.2	1.2	1.2	0.6
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	525.0	530.5	530.5	535.5	536.1	534.8	529.3	529.3	536.7	541.0	533.6
5°	529.9	535.5	535.5	540.4	542.9	541.0	535.5	536.1	543.5	548.4	541.0
7.5°	534.2	539.8	541.0	546.6	548.4	546.6	541.0	542.2	550.3	554.6	547.2
10°	536.1	541.6	542.2	548.4	550.9	548.4	544.1	544.7	553.3	556.4	549.6
12.5°	540.4	545.9	545.9	552.7	555.2	553.3	547.8	549.0	557.6	560.7	553.9
15°	544.7	550.3	550.3	557.6	560.7	558.3	553.9	554.6	563.2	566.3	560.7
17.5°	544.7	549.6	549.6	557.6	560.7	558.9	553.9	554.6	563.8	566.3	560.7
20°	536.7	542.2	541.0	549.0	552.1	550.3	545.9	545.9	555.2	557.6	552.1
22.5°	523.8	528.7	527.5	534.8	538.5	536.1	532.4	531.8	541.0	543.5	537.9
25°	505.9	510.8	509.6	517.0	520.7	517.6	513.3	513.9	521.3	525.0	520.1
27.5°	484.9	488.0	486.2	493.6	497.3	494.2	489.9	490.5	497.9	500.3	496.6
30°	456.6	459.1	457.2	463.4	465.8	464.0	460.3	460.3	467.1	470.1	466.4
32.5°	422.7	424.5	422.7	427.6	432.6	428.9	425.2	425.2	432.6	435.0	430.7
35°	383.3	385.1	383.9	388.8	392.5	387.6	384.5	383.3	393.1	391.9	389.4
37.5°	339.5	340.7	337.1	345.7	347.5	342.0	339.5	338.3	346.9	346.3	343.8
40°	290.2	291.5	289.0	295.2	295.8	291.5	289.6	287.8	296.4	295.8	293.9
42.5°	237.8	238.5	235.4	240.3	241.5	237.2	236.6	234.1	242.2	240.9	240.3
45°	183.6	183.6	181.2	184.9	186.1	182.4	181.2	180.5	186.1	186.1	184.9
47.5°	133.1	131.2	128.2	133.7	134.3	131.9	131.2	129.4	134.9	134.9	133.7
50°	91.2	90.6	90.0	91.2	91.8	88.7	90.6	88.7	91.8	91.8	91.8
52.5°	61.0	60.4	59.2	60.4	60.4	58.5	58.5	57.9	60.4	60.4	59.2
55°	38.2	37.6	37.0	37.6	37.6	35.7	37.0	35.7	37.0	37.0	36.4
57.5°	23.4	22.2	22.2	21.6	21.6	20.3	21.0	21.0	21.0	21.0	21.0
60°	13.6	12.9	12.3	12.3	12.3	11.7	11.7	11.7	11.7	11.7	11.7
62.5°	8.6	8.6	8.0	8.0	8.0	8.0	8.0	7.4	8.0	8.0	8.0
65°	7.4	6.8	6.8	6.8	6.8	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	5.5	5.5	5.5	5.5	4.9	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.3	4.3	4.3	4.3	4.3	3.7	4.3	4.3	3.7	3.7
72.5°	3.7	3.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	2.5	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	542.2	536.1	533.0	539.2	541.6	538.5	536.1	531.8	536.1	538.5	541.6
5°	549.6	544.1	541.6	545.9	549.6	546.6	544.7	540.4	544.7	546.6	549.6
7.5°	556.4	550.9	547.8	552.1	556.4	552.1	550.3	546.6	550.3	552.1	556.4
10°	558.9	552.7	550.3	553.9	558.3	553.9	551.5	549.0	551.5	553.9	558.3
12.5°	563.2	557.0	553.9	557.0	561.3	557.0	554.6	552.7	554.6	557.0	561.3
15°	569.4	563.8	560.1	563.2	568.7	563.8	560.7	560.1	560.7	563.8	568.7
17.5°	569.4	565.0	561.3	563.8	569.4	565.7	561.3	562.6	561.3	565.7	569.4
20°	561.3	557.0	553.9	553.9	562.0	557.0	553.3	555.2	553.3	557.0	562.0
22.5°	547.2	543.5	540.4	539.8	547.8	543.5	538.5	542.2	538.5	543.5	547.8
25°	528.7	525.0	522.5	521.3	529.3	524.4	520.1	523.8	520.1	524.4	529.3
27.5°	504.7	501.6	499.1	497.3	504.7	500.3	496.0	499.7	496.0	500.3	504.7
30°	473.8	472.0	469.5	467.1	474.5	470.1	465.8	470.8	465.8	470.1	474.5
32.5°	438.1	436.9	433.8	431.3	438.7	433.8	430.7	434.4	430.7	433.8	438.7
35°	396.8	395.0	393.1	388.8	396.8	392.5	392.5	393.7	392.5	392.5	396.8
37.5°	350.6	349.4	346.9	343.2	350.0	346.9	345.7	349.4	345.7	346.9	350.0
40°	298.8	298.2	296.4	292.1	299.5	296.4	294.5	299.5	294.5	296.4	299.5
42.5°	244.6	243.4	241.5	240.9	244.6	242.2	244.0	244.0	244.0	242.2	244.6
45°	188.6	187.3	186.1	183.6	187.9	186.7	186.1	187.3	186.1	186.7	187.9
47.5°	136.8	135.6	134.3	132.5	136.8	134.9	134.9	136.2	134.9	134.9	136.8
50°	91.8	92.4	91.8	90.6	91.8	91.2	91.8	93.0	91.8	91.2	91.8
52.5°	61.0	61.0	59.8	59.2	60.4	59.8	61.6	60.4	61.6	59.8	60.4
55°	37.0	37.6	37.0	36.4	37.0	36.4	38.2	37.6	38.2	36.4	37.0
57.5°	21.0	21.0	21.6	21.0	22.2	21.6	21.6	21.6	21.6	21.6	22.2
60°	11.7	11.7	11.7	11.7	11.7	11.7	12.3	11.7	12.3	11.7	11.7
62.5°	8.0	8.0	8.0	7.4	8.0	7.4	8.0	8.0	8.0	7.4	8.0
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
72.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212780

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	539.2	533.0	536.1	542.2	533.6	541.0	536.7	529.3	529.3	534.8	536.1
5°	545.9	541.6	544.1	549.6	541.0	548.4	543.5	536.1	535.5	541.0	542.9
7.5°	552.1	547.8	550.9	556.4	547.2	554.6	550.3	542.2	541.0	546.6	548.4
10°	553.9	550.3	552.7	558.9	549.6	556.4	553.3	544.7	544.1	548.4	550.9
12.5°	557.0	553.9	557.0	563.2	553.9	560.7	557.6	549.0	547.8	553.3	555.2
15°	563.2	560.1	563.8	569.4	560.7	566.3	563.2	554.6	553.9	558.3	560.7
17.5°	563.8	561.3	565.0	569.4	560.7	566.3	563.8	554.6	553.9	558.9	560.7
20°	553.9	553.9	557.0	561.3	552.1	557.6	555.2	545.9	545.9	550.3	552.1
22.5°	539.8	540.4	543.5	547.2	537.9	543.5	541.0	531.8	532.4	536.1	538.5
25°	521.3	522.5	525.0	528.7	520.1	525.0	521.3	513.9	513.3	517.6	520.7
27.5°	497.3	499.1	501.6	504.7	496.6	500.3	497.9	490.5	489.9	494.2	497.3
30°	467.1	469.5	472.0	473.8	466.4	470.1	467.1	460.3	460.3	464.0	465.8
32.5°	431.3	433.8	436.9	438.1	430.7	435.0	432.6	425.2	425.2	428.9	432.6
35°	388.8	393.1	395.0	396.8	389.4	391.9	393.1	383.3	384.5	387.6	392.5
37.5°	343.2	346.9	349.4	350.6	343.8	346.3	346.9	338.3	339.5	342.0	347.5
40°	292.1	296.4	298.2	298.8	293.9	295.8	296.4	287.8	289.6	291.5	295.8
42.5°	240.9	241.5	243.4	244.6	240.3	240.9	242.2	234.1	236.6	237.2	241.5
45°	183.6	186.1	187.3	188.6	184.9	186.1	186.1	180.5	181.2	182.4	186.1
47.5°	132.5	134.3	135.6	136.8	133.7	134.9	134.9	129.4	131.2	131.9	134.3
50°	90.6	91.8	92.4	91.8	91.8	91.8	91.8	88.7	90.6	88.7	91.8
52.5°	59.2	59.8	61.0	61.0	59.2	60.4	60.4	57.9	58.5	58.5	60.4
55°	36.4	37.0	37.6	37.0	36.4	37.0	37.0	35.7	37.0	35.7	37.6
57.5°	21.0	21.6	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.3	21.6
60°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.3
62.5°	7.4	8.0	8.0	8.0	8.0	8.0	8.0	7.4	8.0	8.0	8.0
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.8
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.5
70°	3.7	3.7	3.7	3.7	3.7	3.7	4.3	4.3	3.7	4.3	4.3
72.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	535.5	530.5	530.5	525.0	529.9	530.5	524.4	522.5	529.3	521.9	525.6
5°	540.4	535.5	535.5	529.9	533.6	533.6	527.5	524.4	531.1	523.8	526.8
7.5°	546.6	541.0	539.8	534.2	537.3	537.9	530.5	526.2	533.0	524.4	527.5
10°	548.4	542.2	541.6	536.1	538.5	539.2	530.5	526.8	532.4	523.1	525.0
12.5°	552.7	545.9	545.9	540.4	542.2	542.2	533.6	528.7	533.6	524.4	525.6
15°	557.6	550.3	550.3	544.7	545.9	546.6	536.1	531.1	535.5	525.6	526.8
17.5°	557.6	549.6	549.6	544.7	545.3	544.7	534.8	529.3	532.4	521.9	522.5
20°	549.0	541.0	542.2	536.7	537.3	536.7	526.2	520.7	523.8	512.7	513.9
22.5°	534.8	527.5	528.7	523.8	523.8	523.1	513.3	507.7	510.8	499.7	500.3
25°	517.0	509.6	510.8	505.9	506.5	506.5	496.6	490.5	493.6	483.7	483.7
27.5°	493.6	486.2	488.0	484.9	483.1	483.7	475.1	468.9	472.0	462.8	462.8
30°	463.4	457.2	459.1	456.6	454.7	454.7	447.3	441.2	444.3	436.3	435.6
32.5°	427.6	422.7	424.5	422.7	420.9	422.7	414.7	408.5	411.6	405.4	406.1
35°	388.8	383.9	385.1	383.3	382.0	383.3	375.3	370.9	374.0	367.9	370.3
37.5°	345.7	337.1	340.7	339.5	338.3	338.9	331.5	328.4	332.1	328.4	330.3
40°	295.2	289.0	291.5	290.2	289.0	292.1	286.5	282.2	285.3	282.8	286.5
42.5°	240.3	235.4	238.5	237.8	236.0	239.7	235.4	232.3	237.2	236.0	239.1
45°	184.9	181.2	183.6	183.6	183.0	186.1	181.8	182.4	187.3	189.2	192.9
47.5°	133.7	128.2	131.2	133.1	133.1	136.2	133.7	136.2	141.7	145.4	148.5
50°	91.2	90.0	90.6	91.2	92.4	94.9	94.3	98.0	101.7	107.8	111.5
52.5°	60.4	59.2	60.4	61.0	62.2	64.7	64.7	69.0	73.3	78.9	83.2
55°	37.6	37.0	37.6	38.2	39.4	41.9	42.5	46.8	51.1	56.7	60.4
57.5°	21.6	22.2	22.2	23.4	24.0	25.9	27.7	30.2	35.1	40.7	44.4
60°	12.3	12.3	12.9	13.6	14.2	16.0	17.3	19.7	23.4	29.0	31.4
62.5°	8.0	8.0	8.6	8.6	9.2	10.5	11.7	14.2	17.3	21.6	24.0
65°	6.8	6.8	6.8	7.4	7.4	8.6	9.9	11.7	14.2	17.3	19.7
67.5°	5.5	5.5	5.5	6.2	6.2	6.8	8.0	9.2	11.1	13.6	15.4
70°	4.3	4.3	4.3	4.9	4.9	5.5	6.2	6.8	8.6	10.5	11.7
72.5°	3.1	3.1	3.7	3.7	3.7	4.3	4.9	5.5	6.8	8.0	8.6
75°	2.5	2.5	2.5	2.5	3.1	3.1	3.7	4.3	4.9	5.5	6.2
77.5°	1.2	1.2	1.8	1.8	1.8	2.5	2.5	3.1	3.7	4.3	4.3
80°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	2.5	3.1	3.1
82.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212780

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3	529.3
2.5°	521.3	523.1	523.1	521.3	516.4	520.7	525.0	520.7	526.2	516.4	516.4
5°	521.3	522.5	521.9	519.4	514.5	518.2	521.3	517.0	521.3	512.0	511.4
7.5°	522.5	521.3	520.1	517.0	510.8	513.3	516.4	511.4	515.7	505.9	504.7
10°	520.1	518.2	515.7	511.4	504.7	506.5	508.4	504.0	507.1	497.3	496.6
12.5°	520.1	517.0	513.3	508.4	501.0	502.2	504.0	498.5	501.0	491.7	490.5
15°	521.3	515.7	511.4	505.9	497.9	498.5	499.7	493.6	496.0	486.2	485.6
17.5°	517.0	510.8	506.5	499.7	491.1	491.7	491.7	485.6	487.4	477.5	476.9
20°	507.7	500.3	495.4	489.2	480.0	480.0	480.0	473.8	475.1	466.4	465.2
22.5°	494.8	486.8	481.9	475.7	467.1	466.4	465.8	460.9	460.9	452.9	451.0
25°	477.5	470.1	465.2	459.7	451.0	449.8	449.8	445.5	444.9	437.5	436.3
27.5°	457.8	449.2	444.9	440.0	431.9	430.7	430.1	427.6	426.4	418.4	417.8
30°	431.3	423.9	420.2	415.9	408.5	407.3	406.7	404.2	403.6	395.6	395.6
32.5°	403.0	393.7	391.3	387.0	381.4	380.8	381.4	378.3	375.9	370.3	369.1
35°	369.1	359.9	358.0	356.2	351.8	350.6	350.0	349.4	346.3	342.6	340.7
37.5°	329.7	321.6	321.6	321.0	317.9	317.9	317.9	316.7	313.6	312.4	308.7
40°	287.1	281.0	281.6	282.2	281.0	281.6	282.2	281.0	278.5	277.3	274.2
42.5°	241.5	238.5	240.9	242.8	242.8	244.6	245.9	245.9	242.8	242.2	239.7
45°	195.9	195.3	200.3	204.0	205.2	208.3	210.1	208.9	208.9	208.9	206.4
47.5°	153.4	155.9	160.2	167.6	170.1	173.8	175.0	176.8	176.2	176.8	175.0
50°	116.5	122.0	127.5	134.9	138.6	143.0	144.8	147.3	147.3	147.9	146.7
52.5°	88.1	92.4	101.7	106.6	110.9	115.2	117.7	120.2	120.8	120.8	119.5
55°	65.3	71.5	77.6	84.4	88.1	92.4	94.3	96.7	96.7	98.0	96.7
57.5°	47.4	53.6	60.4	65.3	69.6	72.7	74.6	76.4	77.6	77.6	77.0
60°	35.1	40.1	45.6	50.5	54.2	57.3	58.5	60.4	61.0	61.0	59.8
62.5°	26.5	31.4	36.4	40.7	43.1	45.6	46.8	48.1	48.1	48.1	47.4
65°	21.6	25.3	29.0	32.7	35.1	37.0	37.6	38.8	38.2	38.8	38.2
67.5°	17.3	19.7	22.8	25.3	27.1	28.3	29.0	30.2	29.6	30.2	29.6
70°	12.9	15.4	17.3	19.1	20.3	21.6	22.2	22.8	22.2	22.8	22.2
72.5°	9.9	11.1	12.9	14.8	15.4	16.0	16.6	16.6	16.6	17.3	16.6
75°	6.8	8.0	9.2	9.9	11.1	11.7	11.7	12.3	12.3	12.3	12.3
77.5°	4.9	5.5	6.2	6.8	7.4	8.0	8.0	8.6	8.6	8.6	8.6
80°	3.1	3.7	3.7	4.3	4.9	4.9	5.5	5.5	5.5	5.5	5.5
82.5°	1.8	2.5	2.5	3.1	3.1	3.1	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6	0.6
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: P212780

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	529.3	529.3	529.3	529.3
2.5°	521.3	518.2	523.1	515.7
5°	515.7	512.7	518.8	509.6
7.5°	509.0	505.9	511.4	502.2
10°	500.3	497.3	502.2	492.3
12.5°	492.9	489.9	495.4	486.2
15°	487.4	484.3	489.2	480.6
17.5°	478.8	475.1	480.6	471.4
20°	466.4	464.0	468.3	459.1
22.5°	452.3	449.8	454.7	445.5
25°	437.5	434.4	439.3	430.1
27.5°	418.4	415.9	420.9	411.6
30°	395.6	393.1	398.1	389.4
32.5°	369.7	367.2	370.9	363.5
35°	340.1	338.3	342.0	334.0
37.5°	308.1	306.2	309.9	301.9
40°	273.6	271.7	274.8	271.1
42.5°	239.7	237.8	240.9	237.8
45°	206.4	205.2	208.3	205.2
47.5°	175.6	174.4	177.5	174.4
50°	146.0	146.7	147.9	146.7
52.5°	119.5	119.5	121.4	119.5
55°	96.7	97.4	98.0	96.7
57.5°	77.0	77.0	77.6	77.0
60°	59.8	60.4	60.4	59.8
62.5°	47.4	47.4	47.4	47.4
65°	37.6	37.6	38.2	37.6
67.5°	29.6	29.0	29.6	29.0
70°	22.2	22.2	22.2	22.2
72.5°	17.3	17.3	16.6	16.6
75°	12.3	12.9	12.3	12.3
77.5°	8.6	8.6	8.6	8.6
80°	5.5	5.5	5.5	5.5
82.5°	3.7	3.7	3.7	3.7
85°	2.5	1.8	1.8	1.8
87.5°	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)