

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207779

Luminaire Tested: UPW-SA1-030-727-U-SLR-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-SLR-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2632 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

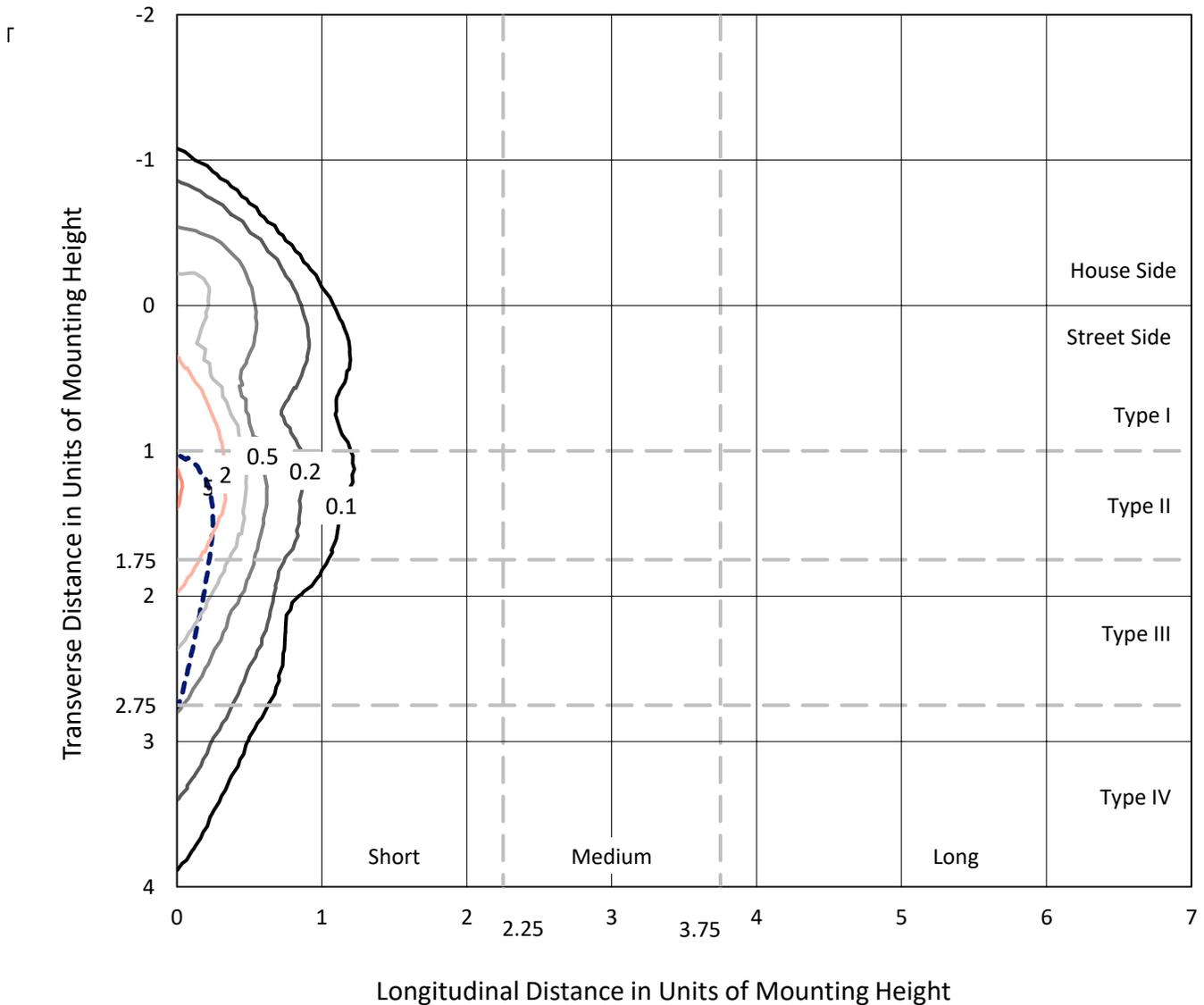
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

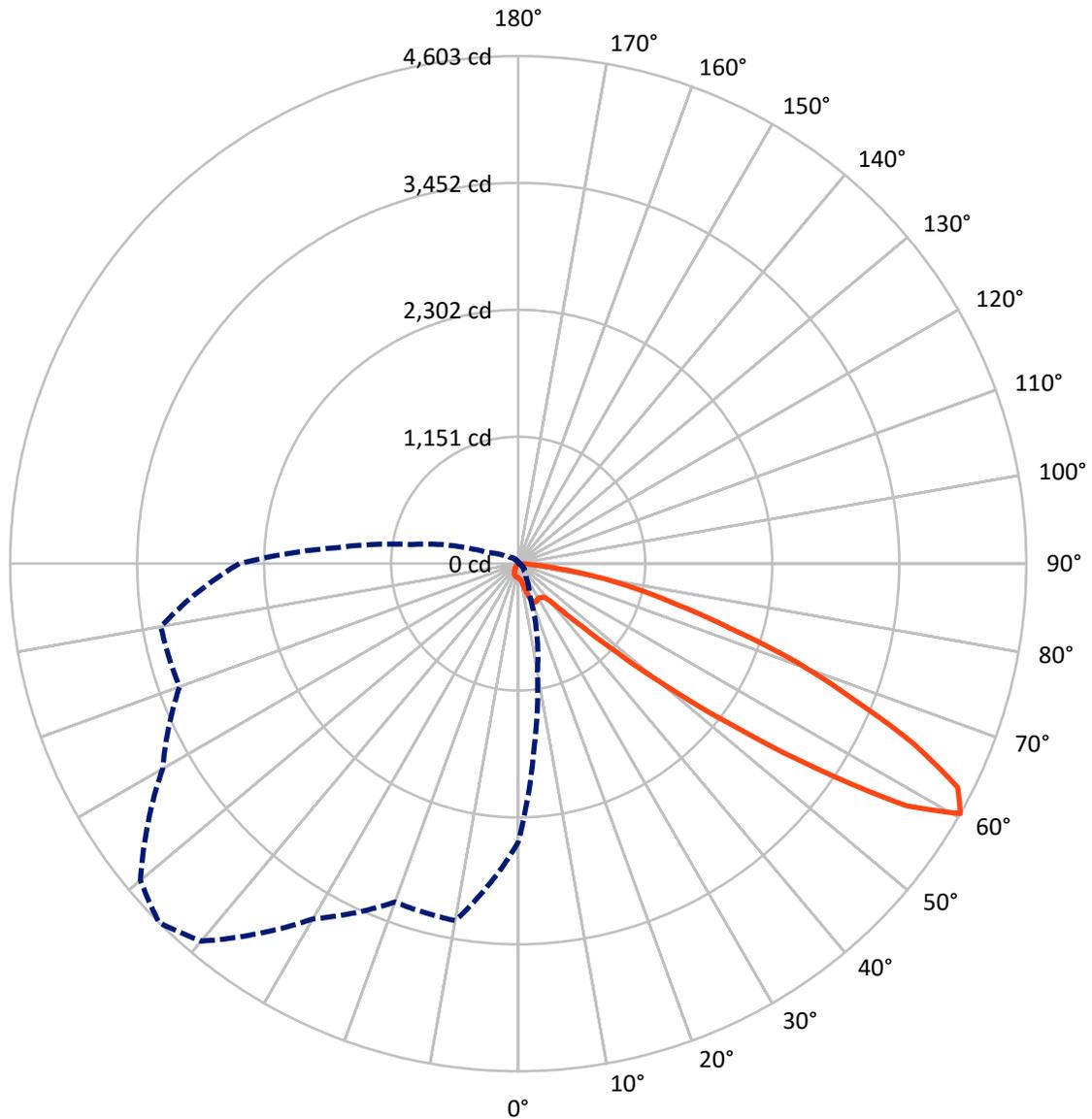
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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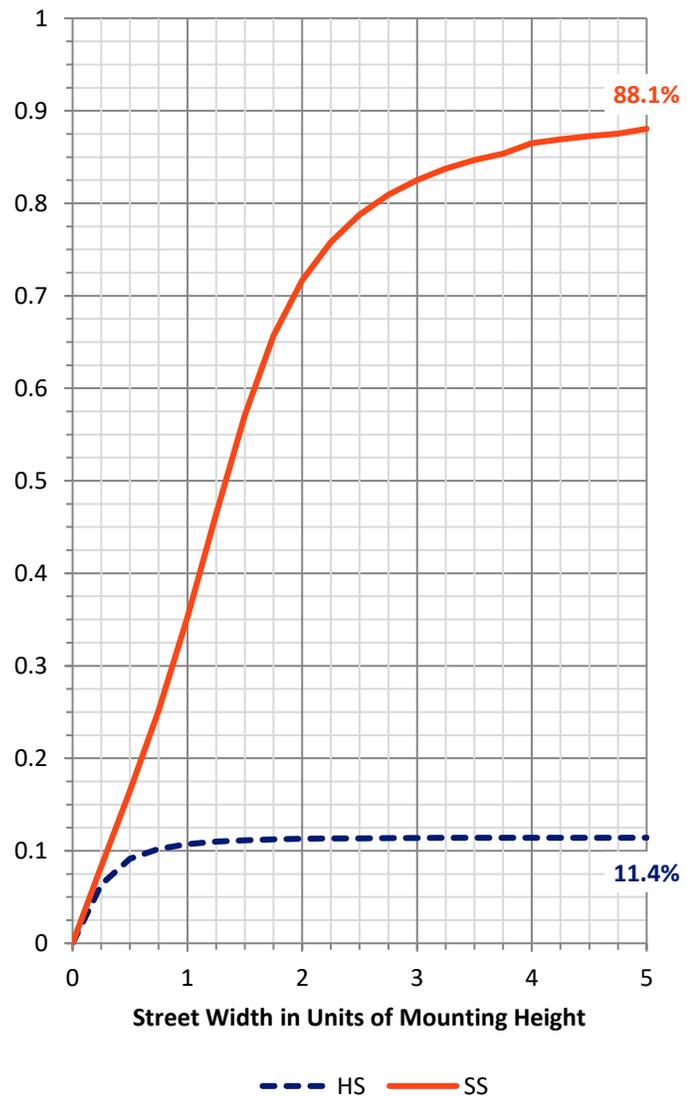
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.2	0.0	303.2
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	2328.8	0.0	2328.8
	% Fixture	88.5	0.0	88.5
Total	Lumens	2632.0	0.0	2632.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.5
10°-20°	40.6	1.5
20°-30°	87.7	3.3
30°-40°	147.8	5.6
40°-50°	298.4	11.3
50°-60°	767.5	29.2
60°-70°	834.5	31.7
70°-80°	393.1	14.9
80°-90°	50.5	1.9
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°-90°	2632.0	100.0
0°-180°	2632.0	100.0



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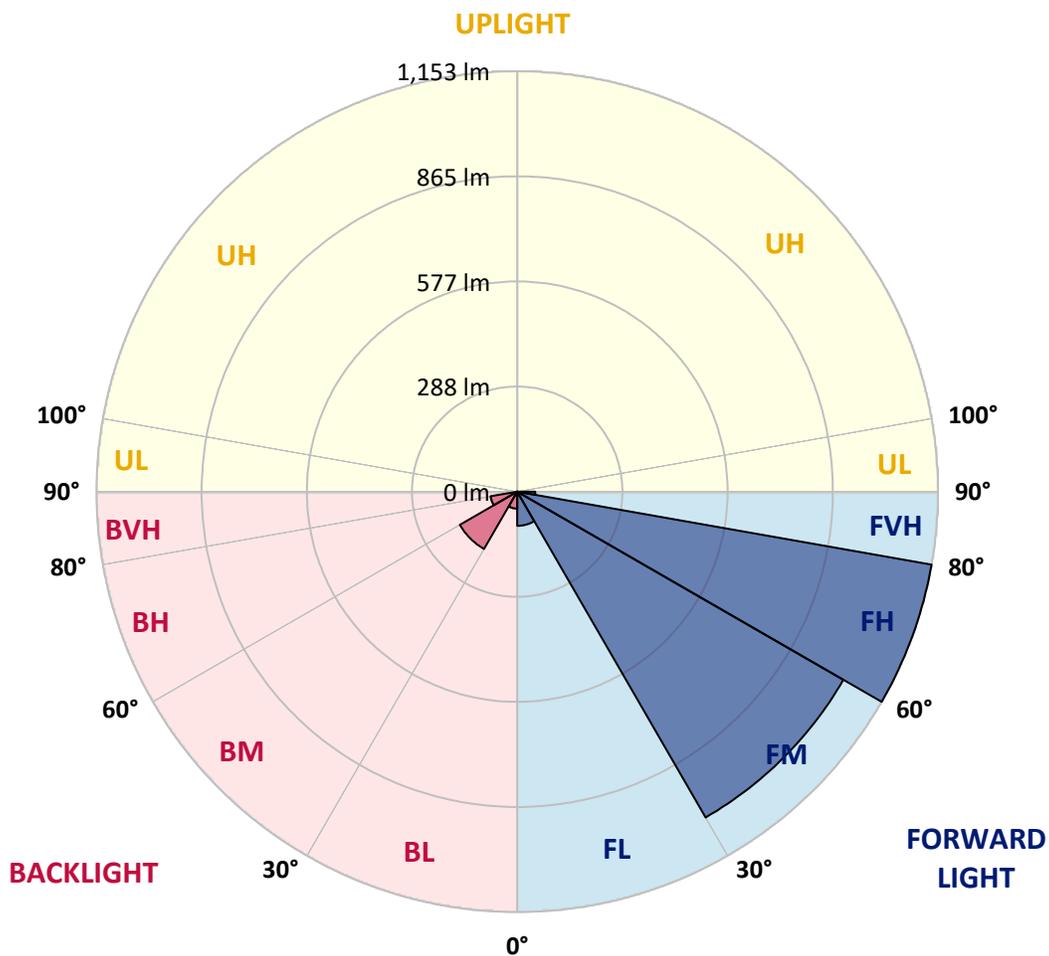
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.7	3.6			
FM	(30°-60°)	1032.2	39.2			
FH	(60°-80°)	1153.4	43.8			G1/1800
FVH	(80°-90°)	49.6	1.9			G1/100
BL	(0°-30°)	46.6	1.8	B0/110		
BM	(30°-60°)	181.5	6.9	B0/220		
BH	(60°-80°)	74.2	2.8	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	131.8	132.2	131.9	131.3	130.8	130.5	130.4	130.2	130.0	129.6	129.4
5°	131.3	129.7	128.3	127.4	126.5	125.7	124.9	124.0	123.1	122.4	121.3
7.5°	127.1	125.4	123.8	122.4	121.1	120.0	118.8	118.0	117.3	116.8	116.7
10°	127.6	125.4	122.6	120.5	118.4	117.1	115.7	114.5	113.3	112.1	112.4
12.5°	136.9	131.7	125.9	121.6	117.4	115.2	113.0	111.7	110.4	109.5	108.9
15°	156.4	145.6	135.1	127.2	119.3	115.5	111.7	109.9	108.2	106.8	104.9
17.5°	195.7	172.0	152.1	137.6	123.2	116.7	110.3	107.9	105.5	103.9	102.8
20°	246.4	210.2	177.8	154.1	130.4	119.9	109.5	106.2	103.0	101.4	99.8
22.5°	306.0	262.2	216.6	180.4	144.2	127.1	110.1	105.1	100.1	97.8	95.2
25°	378.2	324.6	262.8	211.5	160.3	135.1	109.9	102.8	95.8	93.4	91.9
27.5°	451.7	394.9	321.9	254.0	186.2	148.8	111.3	101.8	92.1	89.1	87.6
30°	539.5	475.3	387.7	301.7	215.7	165.2	114.7	101.6	88.5	84.7	83.3
32.5°	631.5	563.5	461.1	355.0	248.8	183.7	118.6	102.2	85.8	81.8	79.2
35°	715.5	653.3	541.4	415.7	290.0	207.2	124.3	102.7	81.1	76.6	74.4
37.5°	809.3	751.9	631.6	484.3	337.1	233.5	129.9	103.2	76.4	71.5	70.1
40°	908.5	860.0	727.6	555.4	383.3	259.3	135.3	103.9	72.6	67.2	65.5
42.5°	1029.1	975.1	823.9	624.4	424.9	282.4	140.1	105.3	70.5	62.1	61.3
45°	1247.1	1140.8	940.3	700.1	459.9	302.1	144.3	107.8	71.4	57.6	56.1
47.5°	1565.2	1387.6	1089.6	784.9	480.3	314.1	147.9	111.7	75.6	54.7	50.3
50°	1986.8	1677.9	1245.1	866.2	487.3	319.4	151.5	117.5	83.6	57.6	48.7
52.5°	2367.4	1886.0	1331.4	901.2	471.0	310.6	150.2	121.2	92.1	67.5	51.4
55°	2610.0	1965.1	1331.9	884.0	436.0	290.0	143.9	121.6	99.3	81.1	58.1
57.5°	2694.4	1865.5	1208.8	796.2	383.5	261.3	139.0	117.7	96.4	86.4	63.5
60°	2526.0	1659.6	999.0	644.9	290.8	216.8	142.7	114.2	85.7	77.7	62.3
62.5°	2247.9	1413.6	807.4	511.5	215.7	172.6	129.6	101.7	73.8	61.7	55.6
65°	1922.2	1183.4	651.7	401.8	151.9	131.7	111.5	90.6	69.7	48.5	45.9
67.5°	1647.0	951.4	501.8	298.5	95.2	86.2	77.2	68.1	59.1	40.4	35.8
70°	1359.1	736.8	376.2	221.5	66.8	61.6	56.3	51.6	47.0	34.2	27.8
72.5°	1035.8	508.3	248.2	147.3	46.4	42.6	38.9	36.5	34.0	28.1	21.5
75°	721.7	324.6	152.8	92.5	32.3	29.5	26.7	24.5	22.3	18.5	14.0
77.5°	387.1	170.1	80.2	50.4	20.6	18.4	16.3	14.5	12.6	11.6	8.7
80°	113.9	51.6	27.6	20.1	12.7	11.3	9.8	8.4	6.9	6.5	4.5
82.5°	34.4	15.7	9.8	8.4	6.9	6.1	5.3	4.2	3.2	2.7	1.9
85°	7.6	3.8	3.0	2.8	2.6	2.2	1.9	1.5	1.1	0.7	0.3
87.5°	1.1	0.2	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	129.5	129.7	129.5	129.2	128.8	128.4	128.8	129.1	128.7	128.3	128.4
5°	121.3	121.3	121.6	122.0	122.0	122.1	122.6	123.1	123.3	123.4	123.6
7.5°	115.9	115.2	115.2	115.2	115.3	115.4	115.7	115.9	116.3	116.7	117.7
10°	111.9	111.3	111.0	110.7	110.4	110.3	111.2	112.1	112.4	112.7	113.8
12.5°	108.3	107.6	107.2	106.8	106.3	105.9	106.3	106.8	107.6	108.5	110.1
15°	104.5	104.1	103.6	103.1	102.7	102.2	102.6	103.0	103.4	103.9	105.5
17.5°	101.8	100.7	99.9	99.0	98.2	97.4	97.0	96.7	98.2	99.6	101.0
20°	98.4	97.0	95.8	94.6	93.6	92.7	92.5	92.3	92.9	93.5	95.2
22.5°	94.0	92.8	91.4	89.9	88.5	87.2	86.9	86.4	86.8	87.1	88.0
25°	90.2	88.5	86.9	85.2	83.8	82.4	81.3	80.2	80.2	80.3	80.8
27.5°	86.0	84.3	82.7	81.0	79.3	77.7	76.3	74.8	74.3	73.7	73.2
30°	81.8	80.4	78.7	76.9	75.0	73.0	71.5	69.9	68.3	66.7	65.6
32.5°	77.6	75.9	74.4	72.8	70.9	69.0	66.2	63.4	61.7	60.1	58.1
35°	73.1	71.7	70.0	68.3	66.1	64.0	61.4	58.7	55.9	53.1	50.2
37.5°	69.0	67.9	66.1	64.2	61.6	59.0	56.2	53.4	49.4	45.5	42.2
40°	64.7	64.0	62.2	60.4	57.4	54.3	50.5	46.7	42.4	38.1	34.5
42.5°	60.3	59.3	57.6	55.9	53.0	50.0	45.7	41.3	36.6	31.8	28.1
45°	55.3	54.4	53.3	52.2	48.8	45.5	40.4	35.3	30.8	26.4	23.1
47.5°	49.8	49.2	48.9	48.6	45.0	41.5	36.1	30.8	26.6	22.3	19.3
50°	46.9	45.0	45.0	45.0	41.4	37.8	32.4	27.0	23.1	19.2	16.5
52.5°	46.1	40.7	40.7	40.6	37.3	34.2	29.0	23.7	20.6	17.5	15.0
55°	47.7	37.3	36.4	35.4	32.6	29.7	25.4	21.0	18.2	15.4	13.1
57.5°	49.5	35.4	32.7	30.0	27.7	25.2	21.5	17.9	15.5	13.2	11.0
60°	48.7	35.2	30.4	25.6	23.4	21.2	18.1	15.0	12.7	10.4	8.5
62.5°	45.8	36.0	29.2	22.4	20.2	18.0	14.9	11.8	10.0	8.1	6.5
65°	40.6	35.2	27.9	20.6	17.8	15.1	12.5	9.8	7.8	5.8	4.3
67.5°	31.9	28.1	23.1	18.1	15.1	12.2	9.7	7.1	5.4	3.7	2.4
70°	24.5	21.2	18.6	16.0	12.7	9.5	6.7	4.0	2.7	1.3	0.8
72.5°	18.6	15.6	14.0	12.4	9.7	6.9	4.4	1.8	1.2	0.5	0.4
75°	11.9	9.7	8.9	8.0	6.4	4.8	3.1	1.3	0.8	0.4	0.2
77.5°	7.5	6.3	6.0	5.7	4.7	3.8	2.3	0.9	0.5	0.2	0.1
80°	4.0	3.5	3.5	3.5	2.9	2.2	1.3	0.4	0.2	0.0	0.0
82.5°	1.6	1.3	1.3	1.3	1.1	0.9	0.4	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.1	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	128.4	128.0	127.6	127.1	126.5	126.4	126.5	127.1	127.6	128.0	128.4
5°	123.8	123.8	124.0	124.0	124.1	124.2	124.1	124.0	124.0	123.8	123.8
7.5°	118.6	119.1	119.6	120.2	120.8	122.0	120.8	120.2	119.6	119.1	118.6
10°	114.9	115.5	116.2	116.6	117.1	117.9	117.1	116.6	116.2	115.5	114.9
12.5°	111.7	112.9	114.1	114.4	114.7	114.8	114.7	114.4	114.1	112.9	111.7
15°	107.1	108.5	109.9	110.6	111.2	111.7	111.2	110.6	109.9	108.5	107.1
17.5°	102.4	103.9	105.3	106.6	107.9	108.6	107.9	106.6	105.3	103.9	102.4
20°	97.0	98.8	100.6	101.2	101.8	101.4	101.8	101.2	100.6	98.8	97.0
22.5°	88.9	90.2	91.6	92.6	93.6	94.7	93.6	92.6	91.6	90.2	88.9
25°	81.3	81.8	82.3	82.9	83.5	84.0	83.5	82.9	82.3	81.8	81.3
27.5°	72.7	72.6	72.5	72.4	72.3	71.9	72.3	72.4	72.5	72.6	72.7
30°	64.6	63.4	62.3	61.5	60.7	60.3	60.7	61.5	62.3	63.4	64.6
32.5°	56.2	54.1	52.2	50.8	49.5	48.7	49.5	50.8	52.2	54.1	56.2
35°	47.4	44.7	42.0	40.5	39.0	38.4	39.0	40.5	42.0	44.7	47.4
37.5°	38.9	36.1	33.4	31.8	30.3	29.5	30.3	31.8	33.4	36.1	38.9
40°	30.9	28.3	25.7	24.3	23.0	22.3	23.0	24.3	25.7	28.3	30.9
42.5°	24.3	22.1	19.9	18.7	17.4	16.5	17.4	18.7	19.9	22.1	24.3
45°	19.9	17.8	15.6	14.7	13.8	13.4	13.8	14.7	15.6	17.8	19.9
47.5°	16.3	14.3	12.4	11.5	10.6	10.3	10.6	11.5	12.4	14.3	16.3
50°	13.8	12.0	10.2	9.3	8.4	8.0	8.4	9.3	10.2	12.0	13.8
52.5°	12.4	10.5	8.5	7.6	6.7	6.3	6.7	7.6	8.5	10.5	12.4
55°	10.8	8.8	6.7	5.8	4.8	4.5	4.8	5.8	6.7	8.8	10.8
57.5°	8.8	6.9	4.9	4.1	3.4	3.1	3.4	4.1	4.9	6.9	8.8
60°	6.6	4.9	3.1	2.3	1.6	1.3	1.6	2.3	3.1	4.9	6.6
62.5°	4.8	3.2	1.6	0.8	0.1	0.0	0.1	0.8	1.6	3.2	4.8
65°	2.8	1.7	0.5	0.3	0.0	0.0	0.0	0.3	0.5	1.7	2.8
67.5°	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
70°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
72.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	128.4	128.3	128.7	129.1	128.8	128.4	128.8	129.2	129.5	129.7	129.5
5°	123.6	123.4	123.3	123.1	122.6	122.1	122.0	122.0	121.6	121.3	121.3
7.5°	117.7	116.7	116.3	115.9	115.7	115.4	115.3	115.2	115.2	115.2	115.9
10°	113.8	112.7	112.4	112.1	111.2	110.3	110.4	110.7	111.0	111.3	111.9
12.5°	110.1	108.5	107.6	106.8	106.3	105.9	106.3	106.8	107.2	107.6	108.3
15°	105.5	103.9	103.4	103.0	102.6	102.2	102.7	103.1	103.6	104.1	104.5
17.5°	101.0	99.6	98.2	96.7	97.0	97.4	98.2	99.0	99.9	100.7	101.8
20°	95.2	93.5	92.9	92.3	92.5	92.7	93.6	94.6	95.8	97.0	98.4
22.5°	88.0	87.1	86.8	86.4	86.9	87.2	88.5	89.9	91.4	92.8	94.0
25°	80.8	80.3	80.2	80.2	81.3	82.4	83.8	85.2	86.9	88.5	90.2
27.5°	73.2	73.7	74.3	74.8	76.3	77.7	79.3	81.0	82.7	84.3	86.0
30°	65.6	66.7	68.3	69.9	71.5	73.0	75.0	76.9	78.7	80.4	81.8
32.5°	58.1	60.1	61.7	63.4	66.2	69.0	70.9	72.8	74.4	75.9	77.6
35°	50.2	53.1	55.9	58.7	61.4	64.0	66.1	68.3	70.0	71.7	73.1
37.5°	42.2	45.5	49.4	53.4	56.2	59.0	61.6	64.2	66.1	67.9	69.0
40°	34.5	38.1	42.4	46.7	50.5	54.3	57.4	60.4	62.2	64.0	64.7
42.5°	28.1	31.8	36.6	41.3	45.7	50.0	53.0	55.9	57.6	59.3	60.3
45°	23.1	26.4	30.8	35.3	40.4	45.5	48.8	52.2	53.3	54.4	55.3
47.5°	19.3	22.3	26.6	30.8	36.1	41.5	45.0	48.6	48.9	49.2	49.8
50°	16.5	19.2	23.1	27.0	32.4	37.8	41.4	45.0	45.0	45.0	46.9
52.5°	15.0	17.5	20.6	23.7	29.0	34.2	37.3	40.6	40.7	40.7	46.1
55°	13.1	15.4	18.2	21.0	25.4	29.7	32.6	35.4	36.4	37.3	47.7
57.5°	11.0	13.2	15.5	17.9	21.5	25.2	27.7	30.0	32.7	35.4	49.5
60°	8.5	10.4	12.7	15.0	18.1	21.2	23.4	25.6	30.4	35.2	48.7
62.5°	6.5	8.1	10.0	11.8	14.9	18.0	20.2	22.4	29.2	36.0	45.8
65°	4.3	5.8	7.8	9.8	12.5	15.1	17.8	20.6	27.9	35.2	40.6
67.5°	2.4	3.7	5.4	7.1	9.7	12.2	15.1	18.1	23.1	28.1	31.9
70°	0.8	1.3	2.7	4.0	6.7	9.5	12.7	16.0	18.6	21.2	24.5
72.5°	0.4	0.5	1.2	1.8	4.4	6.9	9.7	12.4	14.0	15.6	18.6
75°	0.2	0.4	0.8	1.3	3.1	4.8	6.4	8.0	8.9	9.7	11.9
77.5°	0.1	0.2	0.5	0.9	2.3	3.8	4.7	5.7	6.0	6.3	7.5
80°	0.0	0.0	0.2	0.4	1.3	2.2	2.9	3.5	3.5	3.5	4.0
82.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.1	1.3	1.3	1.3	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	129.4	129.6	130.0	130.2	130.4	130.5	130.8	131.3	131.9	132.2	131.8
5°	121.3	122.4	123.1	124.0	124.9	125.7	126.5	127.4	128.3	129.7	131.3
7.5°	116.7	116.8	117.3	118.0	118.8	120.0	121.1	122.4	123.8	125.4	127.1
10°	112.4	112.1	113.3	114.5	115.7	117.1	118.4	120.5	122.6	125.4	127.6
12.5°	108.9	109.5	110.4	111.7	113.0	115.2	117.4	121.6	125.9	131.7	136.9
15°	104.9	106.8	108.2	109.9	111.7	115.5	119.3	127.2	135.1	145.6	156.4
17.5°	102.8	103.9	105.5	107.9	110.3	116.7	123.2	137.6	152.1	172.0	195.7
20°	99.8	101.4	103.0	106.2	109.5	119.9	130.4	154.1	177.8	210.2	246.4
22.5°	95.2	97.8	100.1	105.1	110.1	127.1	144.2	180.4	216.6	262.2	306.0
25°	91.9	93.4	95.8	102.8	109.9	135.1	160.3	211.5	262.8	324.6	378.2
27.5°	87.6	89.1	92.1	101.8	111.3	148.8	186.2	254.0	321.9	394.9	451.7
30°	83.3	84.7	88.5	101.6	114.7	165.2	215.7	301.7	387.7	475.3	539.5
32.5°	79.2	81.8	85.8	102.2	118.6	183.7	248.8	355.0	461.1	563.5	631.5
35°	74.4	76.6	81.1	102.7	124.3	207.2	290.0	415.7	541.4	653.3	715.5
37.5°	70.1	71.5	76.4	103.2	129.9	233.5	337.1	484.3	631.6	751.9	809.3
40°	65.5	67.2	72.6	103.9	135.3	259.3	383.3	555.4	727.6	860.0	908.5
42.5°	61.3	62.1	70.5	105.3	140.1	282.4	424.9	624.4	823.9	975.1	1029.1
45°	56.1	57.6	71.4	107.8	144.3	302.1	459.9	700.1	940.3	1140.8	1247.1
47.5°	50.3	54.7	75.6	111.7	147.9	314.1	480.3	784.9	1089.6	1387.6	1565.2
50°	48.7	57.6	83.6	117.5	151.5	319.4	487.3	866.2	1245.1	1677.9	1986.8
52.5°	51.4	67.5	92.1	121.2	150.2	310.6	471.0	901.2	1331.4	1886.0	2367.4
55°	58.1	81.1	99.3	121.6	143.9	290.0	436.0	884.0	1331.9	1965.1	2610.0
57.5°	63.5	86.4	96.4	117.7	139.0	261.3	383.5	796.2	1208.8	1865.5	2694.4
60°	62.3	77.7	85.7	114.2	142.7	216.8	290.8	644.9	999.0	1659.6	2526.0
62.5°	55.6	61.7	73.8	101.7	129.6	172.6	215.7	511.5	807.4	1413.6	2247.9
65°	45.9	48.5	69.7	90.6	111.5	131.7	151.9	401.8	651.7	1183.4	1922.2
67.5°	35.8	40.4	59.1	68.1	77.2	86.2	95.2	298.5	501.8	951.4	1647.0
70°	27.8	34.2	47.0	51.6	56.3	61.6	66.8	221.5	376.2	736.8	1359.1
72.5°	21.5	28.1	34.0	36.5	38.9	42.6	46.4	147.3	248.2	508.3	1035.8
75°	14.0	18.5	22.3	24.5	26.7	29.5	32.3	92.5	152.8	324.6	721.7
77.5°	8.7	11.6	12.6	14.5	16.3	18.4	20.6	50.4	80.2	170.1	387.1
80°	4.5	6.5	6.9	8.4	9.8	11.3	12.7	20.1	27.6	51.6	113.9
82.5°	1.9	2.7	3.2	4.2	5.3	6.1	6.9	8.4	9.8	15.7	34.4
85°	0.3	0.7	1.1	1.5	1.9	2.2	2.6	2.8	3.0	3.8	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	132.2	132.6	133.2	133.8	134.1	134.4	134.5	134.7	133.6	134.7	134.5
5°	132.5	133.6	134.9	136.3	137.0	137.7	138.0	138.4	139.4	138.4	138.0
7.5°	130.0	132.8	135.4	138.0	139.9	142.0	143.7	145.4	146.5	145.4	143.7
10°	132.7	138.0	143.0	148.1	152.0	155.9	158.6	161.2	162.6	161.2	158.6
12.5°	145.4	153.8	162.3	170.8	178.7	186.7	192.1	197.4	201.0	197.4	192.1
15°	172.2	188.1	202.9	217.8	230.2	242.6	249.2	255.7	256.4	255.7	249.2
17.5°	218.9	242.1	261.8	281.5	294.6	307.8	314.1	320.4	322.1	320.4	314.1
20°	275.6	304.7	323.3	341.9	350.7	359.6	362.9	366.2	364.1	366.2	362.9
22.5°	336.9	367.9	380.6	393.4	392.5	391.7	389.0	386.2	381.5	386.2	389.0
25°	403.9	429.6	426.9	424.2	413.3	402.4	393.2	384.0	379.7	384.0	393.2
27.5°	465.6	479.5	460.4	441.4	420.7	399.9	387.7	375.3	367.7	375.3	387.7
30°	530.5	521.5	487.6	453.7	427.5	401.2	386.6	372.1	363.2	372.1	386.6
32.5°	599.8	568.1	519.8	471.4	440.9	410.4	393.5	376.6	365.9	376.6	393.5
35°	663.5	611.5	550.3	489.1	456.2	423.4	404.0	384.6	376.2	384.6	404.0
37.5°	730.9	652.6	578.4	504.2	468.3	432.5	414.6	396.8	387.8	396.8	414.6
40°	805.5	702.5	615.8	529.1	497.5	466.0	454.3	442.6	440.1	442.6	454.3
42.5°	902.6	776.1	683.4	590.6	575.7	560.8	564.8	568.7	584.8	568.7	564.8
45°	1092.6	938.1	833.4	728.7	734.2	739.7	770.2	800.6	818.5	800.6	770.2
47.5°	1397.2	1229.1	1095.5	961.9	999.1	1036.3	1110.2	1184.1	1200.0	1184.1	1110.2
50°	1808.1	1629.4	1462.7	1295.8	1374.2	1452.6	1593.9	1735.1	1758.5	1735.1	1593.9
52.5°	2229.6	2091.8	1896.7	1701.5	1834.6	1967.8	2175.1	2382.5	2446.0	2382.5	2175.1
55°	2655.0	2700.0	2495.2	2290.3	2452.7	2615.0	2888.2	3161.5	3283.3	3161.5	2888.2
57.5°	2960.5	3226.6	3083.2	2939.7	3107.2	3274.8	3612.4	3950.1	4142.4	3950.1	3612.4
60°	2906.8	3287.6	3276.4	3265.2	3492.5	3719.8	4094.3	4468.8	4603.0	4468.8	4094.3
62.5°	2562.0	2876.0	2933.1	2990.2	3310.5	3630.7	3980.5	4330.2	4467.6	4330.2	3980.5
65°	2203.2	2484.1	2528.2	2572.4	2914.3	3256.4	3572.2	3888.1	3934.6	3888.1	3572.2
67.5°	1931.4	2215.7	2243.5	2271.3	2562.2	2853.1	3087.3	3321.5	3264.0	3321.5	3087.3
70°	1659.8	1960.5	2006.5	2052.4	2258.4	2464.3	2601.2	2738.1	2669.0	2738.1	2601.2
72.5°	1340.4	1645.0	1687.4	1729.9	1872.9	2015.9	2083.6	2151.3	2014.9	2151.3	2083.6
75°	983.5	1245.2	1301.0	1356.7	1457.0	1557.3	1584.6	1611.8	1485.9	1611.8	1584.6
77.5°	562.6	738.1	836.8	935.6	1044.4	1153.1	1166.0	1179.0	1095.5	1179.0	1166.0
80°	194.3	274.8	390.9	507.0	637.6	768.3	774.6	780.9	718.8	780.9	774.6
82.5°	69.3	104.2	185.0	265.7	360.7	455.7	446.8	437.8	374.8	437.8	446.8
85°	24.1	40.7	89.8	138.9	182.3	225.7	208.1	190.4	154.6	190.4	208.1
87.5°	6.7	12.2	32.0	51.8	62.5	73.3	59.8	46.4	42.0	46.4	59.8
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):

	330°	335°	340°	345°	350°	355°	360°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	134.4	134.1	133.8	133.2	132.6	132.2	131.8
5°	137.7	137.0	136.3	134.9	133.6	132.5	131.3
7.5°	142.0	139.9	138.0	135.4	132.8	130.0	127.1
10°	155.9	152.0	148.1	143.0	138.0	132.7	127.6
12.5°	186.7	178.7	170.8	162.3	153.8	145.4	136.9
15°	242.6	230.2	217.8	202.9	188.1	172.2	156.4
17.5°	307.8	294.6	281.5	261.8	242.1	218.9	195.7
20°	359.6	350.7	341.9	323.3	304.7	275.6	246.4
22.5°	391.7	392.5	393.4	380.6	367.9	336.9	306.0
25°	402.4	413.3	424.2	426.9	429.6	403.9	378.2
27.5°	399.9	420.7	441.4	460.4	479.5	465.6	451.7
30°	401.2	427.5	453.7	487.6	521.5	530.5	539.5
32.5°	410.4	440.9	471.4	519.8	568.1	599.8	631.5
35°	423.4	456.2	489.1	550.3	611.5	663.5	715.5
37.5°	432.5	468.3	504.2	578.4	652.6	730.9	809.3
40°	466.0	497.5	529.1	615.8	702.5	805.5	908.5
42.5°	560.8	575.7	590.6	683.4	776.1	902.6	1029.1
45°	739.7	734.2	728.7	833.4	938.1	1092.6	1247.1
47.5°	1036.3	999.1	961.9	1095.5	1229.1	1397.2	1565.2
50°	1452.6	1374.2	1295.8	1462.7	1629.4	1808.1	1986.8
52.5°	1967.8	1834.6	1701.5	1896.7	2091.8	2229.6	2367.4
55°	2615.0	2452.7	2290.3	2495.2	2700.0	2655.0	2610.0
57.5°	3274.8	3107.2	2939.7	3083.2	3226.6	2960.5	2694.4
60°	3719.8	3492.5	3265.2	3276.4	3287.6	2906.8	2526.0
62.5°	3630.7	3310.5	2990.2	2933.1	2876.0	2562.0	2247.9
65°	3256.4	2914.3	2572.4	2528.2	2484.1	2203.2	1922.2
67.5°	2853.1	2562.2	2271.3	2243.5	2215.7	1931.4	1647.0
70°	2464.3	2258.4	2052.4	2006.5	1960.5	1659.8	1359.1
72.5°	2015.9	1872.9	1729.9	1687.4	1645.0	1340.4	1035.8
75°	1557.3	1457.0	1356.7	1301.0	1245.2	983.5	721.7
77.5°	1153.1	1044.4	935.6	836.8	738.1	562.6	387.1
80°	768.3	637.6	507.0	390.9	274.8	194.3	113.9
82.5°	455.7	360.7	265.7	185.0	104.2	69.3	34.4
85°	225.7	182.3	138.9	89.8	40.7	24.1	7.6
87.5°	73.3	62.5	51.8	32.0	12.2	6.7	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)