

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: P1208182

Luminaire Tested: UPW-SA1-040-827-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2836 lumens
Efficiency: N/A
Efficacy: 64.5 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

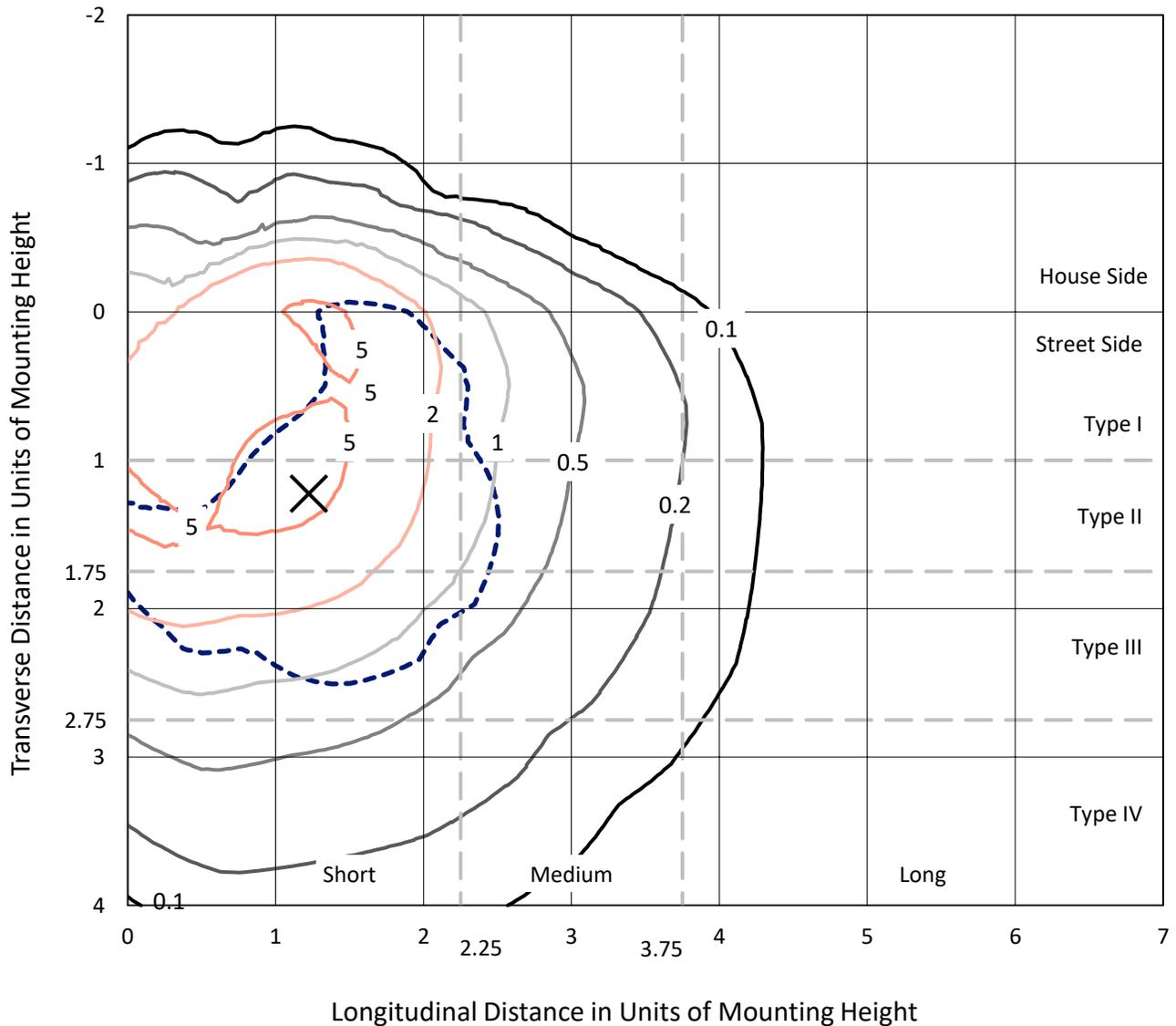
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

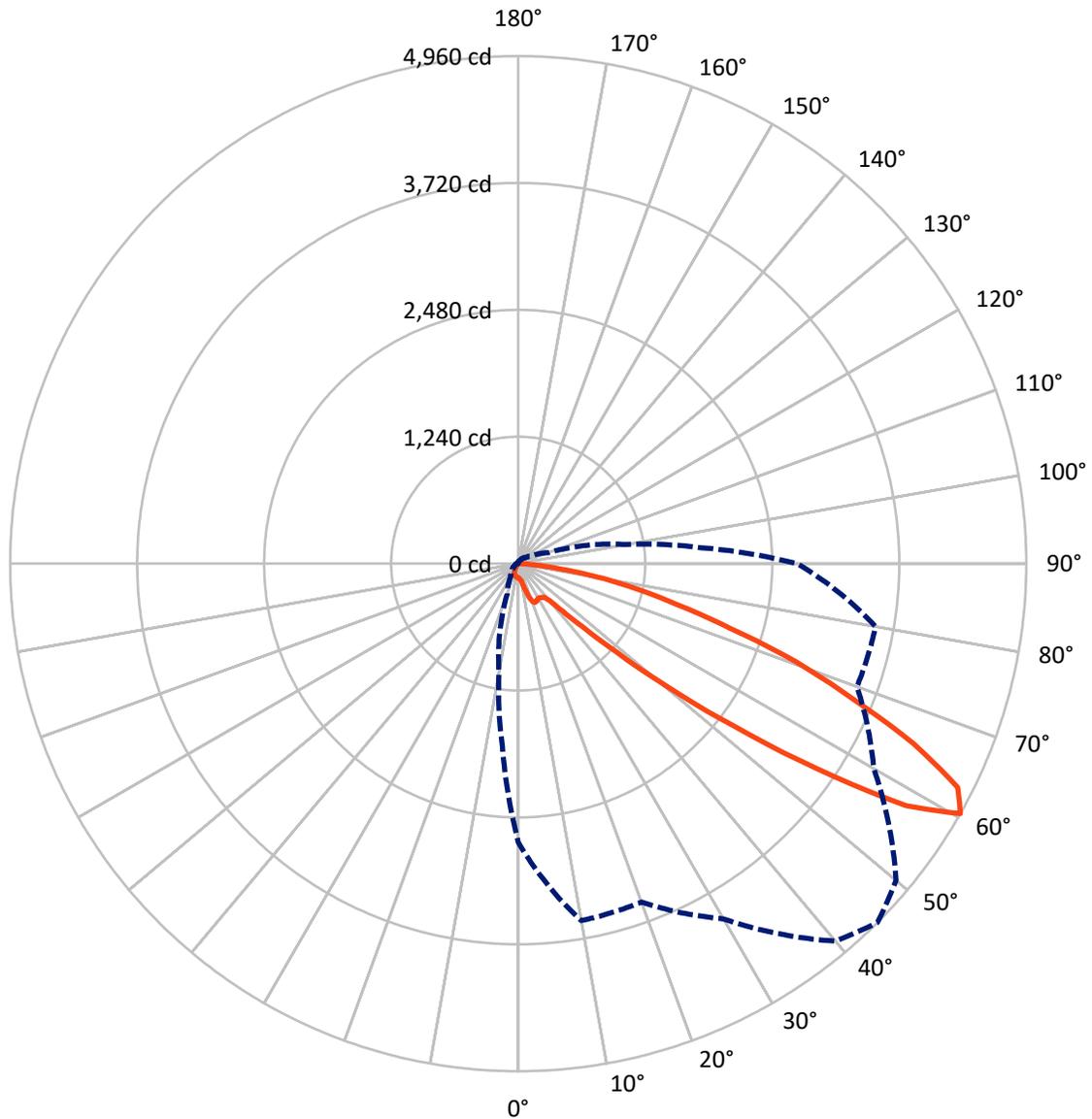
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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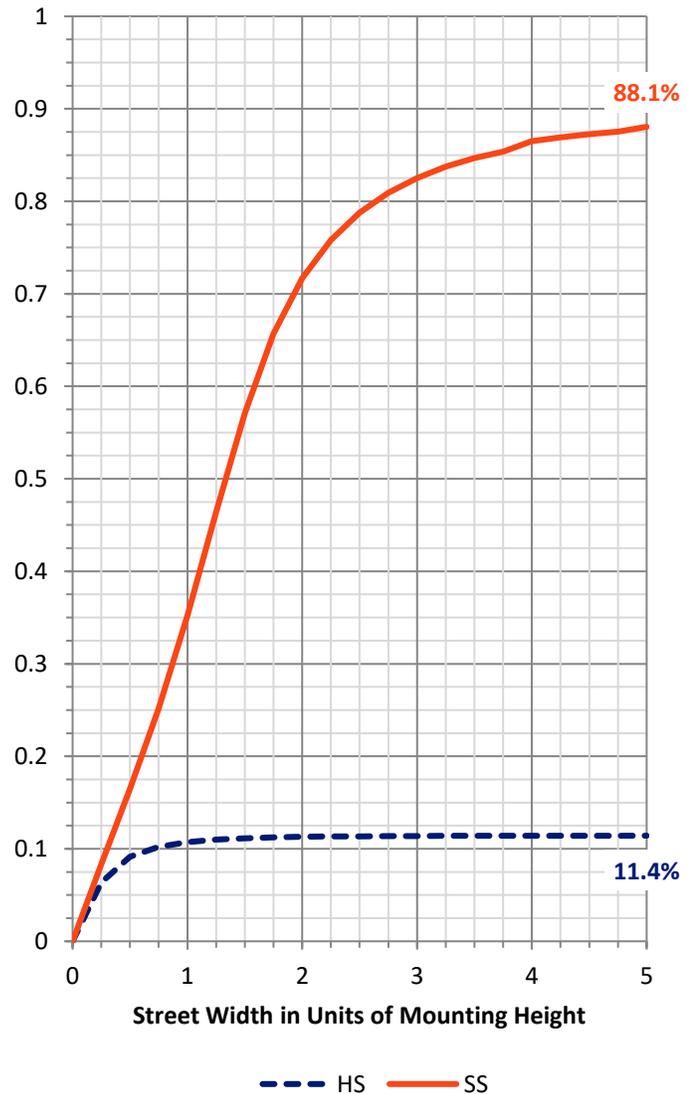
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	326.7	0.0	326.7
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	2509.3	0.0	2509.3
	% Fixture	88.5	0.0	88.5
Total	Lumens	2836.0	0.0	2836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.5
10°-20°	43.8	1.5
20°-30°	94.5	3.3
30°-40°	159.2	5.6
40°-50°	321.5	11.3
50°-60°	827.0	29.2
60°-70°	899.1	31.7
70°-80°	423.6	14.9
80°-90°	54.4	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°	2836.0	100.0
0°-180°	2836.0	100.0

Coefficient of Utilization



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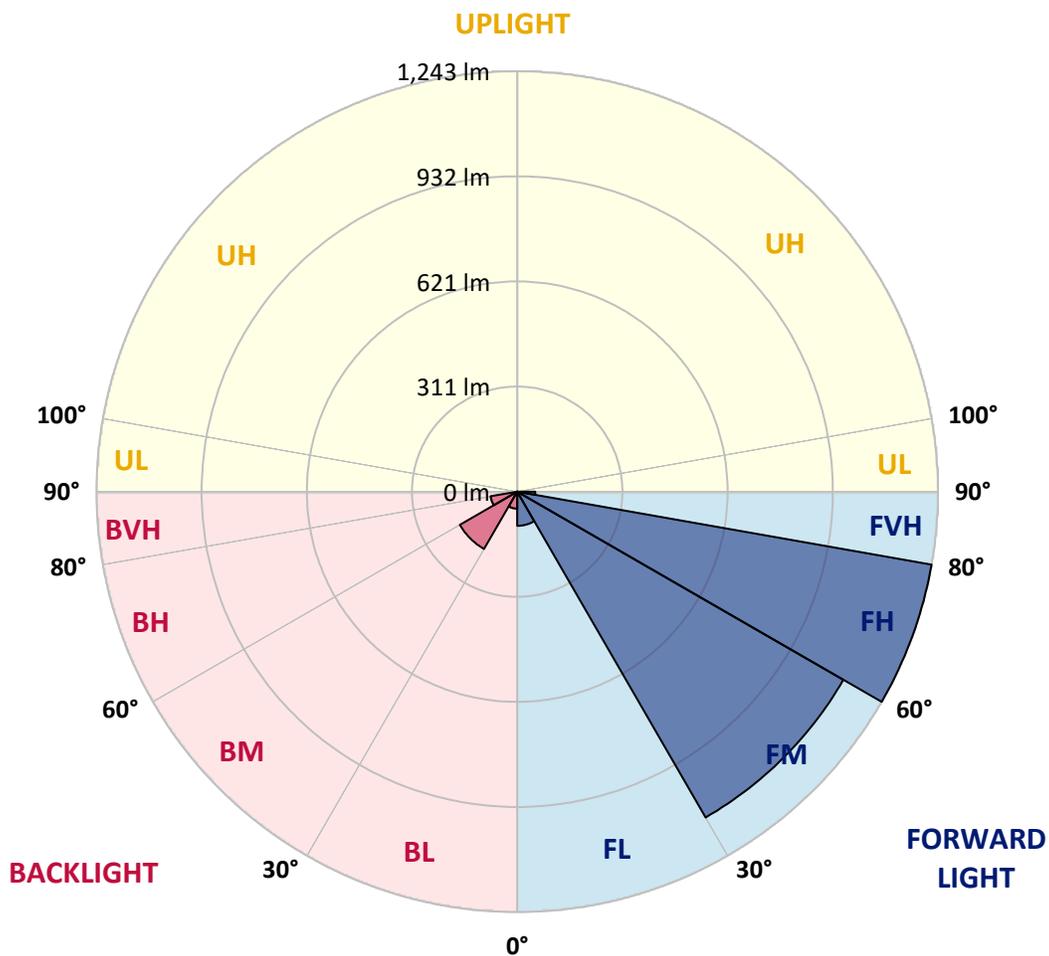
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.9	3.6			
FM	(30°-60°)	1112.2	39.2			
FH	(60°-80°)	1242.7	43.8			G1/1800
FVH	(80°-90°)	53.4	1.9			G1/100
BL	(0°-30°)	50.2	1.8	B0/110		
BM	(30°-60°)	195.6	6.9	B0/220		
BH	(60°-80°)	80.0	2.8	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	142.0	142.4	142.9	143.5	144.2	144.5	144.8	144.9	145.1	143.9	145.1
5°	141.5	142.7	143.9	145.4	146.8	147.6	148.4	148.7	149.1	150.2	149.1
7.5°	137.0	140.0	143.1	145.9	148.7	150.8	153.0	154.8	156.6	157.9	156.6
10°	137.4	143.0	148.7	154.1	159.6	163.8	168.0	170.8	173.7	175.2	173.7
12.5°	147.5	156.6	165.7	174.8	184.0	192.6	201.2	206.9	212.7	216.6	212.7
15°	168.5	185.6	202.7	218.6	234.7	248.0	261.4	268.5	275.5	276.3	275.5
17.5°	210.8	235.8	260.8	282.0	303.3	317.5	331.7	338.5	345.3	347.1	345.3
20°	265.5	296.9	328.3	348.3	368.4	377.9	387.4	391.0	394.5	392.3	394.5
22.5°	329.8	363.1	396.4	410.1	423.9	422.9	422.1	419.1	416.1	411.1	416.1
25°	407.5	435.2	462.9	460.0	457.1	445.3	433.6	423.7	413.8	409.2	413.8
27.5°	486.7	501.7	516.6	496.1	475.6	453.3	430.9	417.7	404.4	396.2	404.4
30°	581.3	571.6	561.9	525.4	488.9	460.6	432.3	416.6	400.9	391.4	400.9
32.5°	680.4	646.3	612.1	560.0	508.0	475.1	442.2	424.0	405.8	394.3	405.8
35°	770.9	714.9	658.9	593.0	527.0	491.6	456.3	435.3	414.4	405.3	414.4
37.5°	872.0	787.6	703.2	623.2	543.2	504.6	466.0	446.7	427.5	417.8	427.5
40°	978.9	867.9	757.0	663.5	570.1	536.1	502.1	489.5	476.9	474.2	476.9
42.5°	1108.9	972.6	836.3	736.3	636.4	620.3	604.2	608.5	612.8	630.1	612.8
45°	1343.8	1177.3	1010.8	898.0	785.1	791.1	797.1	829.9	862.7	881.9	862.7
47.5°	1686.5	1505.5	1324.4	1180.4	1036.4	1076.5	1116.6	1196.2	1275.9	1293.0	1275.9
50°	2140.7	1948.2	1755.7	1576.0	1396.3	1480.8	1565.2	1717.5	1869.6	1894.8	1869.6
52.5°	2550.9	2402.4	2254.0	2043.7	1833.4	1976.8	2120.3	2343.7	2567.2	2635.6	2567.2
55°	2812.3	2860.8	2909.3	2688.6	2467.8	2642.8	2817.7	3112.1	3406.5	3537.7	3406.5
57.5°	2903.3	3190.0	3476.7	3322.1	3167.5	3348.1	3528.6	3892.4	4256.3	4463.4	4256.3
60°	2721.8	3132.1	3542.5	3530.3	3518.2	3763.2	4008.1	4411.6	4815.2	4959.8	4815.2
62.5°	2422.1	2760.5	3098.9	3160.4	3221.9	3567.1	3912.2	4289.0	4665.8	4813.9	4665.8
65°	2071.2	2373.9	2676.6	2724.2	2771.7	3140.2	3508.8	3849.1	4189.4	4239.6	4189.4
67.5°	1774.6	2081.0	2387.5	2417.3	2447.3	2760.8	3074.3	3326.6	3578.9	3517.0	3578.9
70°	1464.4	1788.4	2112.4	2162.0	2211.5	2433.4	2655.3	2802.8	2950.3	2875.8	2950.3
72.5°	1116.1	1444.3	1772.5	1818.2	1863.9	2018.0	2172.1	2245.1	2318.0	2171.1	2318.0
75°	777.7	1059.7	1341.7	1401.8	1461.9	1569.9	1678.0	1707.4	1736.8	1601.1	1736.8
77.5°	417.1	606.2	795.3	901.7	1008.1	1125.3	1242.5	1256.4	1270.4	1180.4	1270.4
80°	122.8	209.4	296.1	421.2	546.3	687.0	827.9	834.7	841.5	774.6	841.5
82.5°	37.1	74.7	112.3	199.3	286.3	388.7	491.0	481.4	471.7	403.9	471.7
85°	8.2	26.0	43.8	96.8	149.7	196.5	243.2	224.2	205.2	166.6	205.2
87.5°	1.2	7.2	13.1	34.5	55.8	67.4	78.9	64.5	50.0	45.3	50.0
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°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	144.9	144.8	144.5	144.2	143.5	142.9	142.4	142.0	142.5	142.1	141.5
5°	148.7	148.4	147.6	146.8	145.4	143.9	142.7	141.5	139.7	138.3	137.3
7.5°	154.8	153.0	150.8	148.7	145.9	143.1	140.0	137.0	135.1	133.3	131.9
10°	170.8	168.0	163.8	159.6	154.1	148.7	143.0	137.4	135.1	132.1	129.9
12.5°	206.9	201.2	192.6	184.0	174.8	165.7	156.6	147.5	141.9	135.7	131.0
15°	268.5	261.4	248.0	234.7	218.6	202.7	185.6	168.5	156.8	145.6	137.1
17.5°	338.5	331.7	317.5	303.3	282.0	260.8	235.8	210.8	185.4	163.9	148.3
20°	391.0	387.4	377.9	368.4	348.3	328.3	296.9	265.5	226.5	191.6	166.0
22.5°	419.1	422.1	422.9	423.9	410.1	396.4	363.1	329.8	282.6	233.4	194.4
25°	423.7	433.6	445.3	457.1	460.0	462.9	435.2	407.5	349.7	283.2	227.9
27.5°	417.7	430.9	453.3	475.6	496.1	516.6	501.7	486.7	425.5	346.8	273.7
30°	416.6	432.3	460.6	488.9	525.4	561.9	571.6	581.3	512.2	417.8	325.0
32.5°	424.0	442.2	475.1	508.0	560.0	612.1	646.3	680.4	607.2	496.9	382.5
35°	435.3	456.3	491.6	527.0	593.0	658.9	714.9	770.9	703.9	583.3	447.9
37.5°	446.7	466.0	504.6	543.2	623.2	703.2	787.6	872.0	810.1	680.6	521.9
40°	489.5	502.1	536.1	570.1	663.5	757.0	867.9	978.9	926.7	783.9	598.5
42.5°	608.5	604.2	620.3	636.4	736.3	836.3	972.6	1108.9	1050.7	887.8	672.8
45°	829.9	797.1	791.1	785.1	898.0	1010.8	1177.3	1343.8	1229.2	1013.2	754.4
47.5°	1196.2	1116.6	1076.5	1036.4	1180.4	1324.4	1505.5	1686.5	1495.2	1174.0	845.8
50°	1717.5	1565.2	1480.8	1396.3	1576.0	1755.7	1948.2	2140.7	1808.0	1341.6	933.4
52.5°	2343.7	2120.3	1976.8	1833.4	2043.7	2254.0	2402.4	2550.9	2032.2	1434.5	971.0
55°	3112.1	2817.7	2642.8	2467.8	2688.6	2909.3	2860.8	2812.3	2117.4	1435.1	952.5
57.5°	3892.4	3528.6	3348.1	3167.5	3322.1	3476.7	3190.0	2903.3	2010.0	1302.5	857.9
60°	4411.6	4008.1	3763.2	3518.2	3530.3	3542.5	3132.1	2721.8	1788.2	1076.4	694.9
62.5°	4289.0	3912.2	3567.1	3221.9	3160.4	3098.9	2760.5	2422.1	1523.2	870.0	551.2
65°	3849.1	3508.8	3140.2	2771.7	2724.2	2676.6	2373.9	2071.2	1275.2	702.3	433.0
67.5°	3326.6	3074.3	2760.8	2447.3	2417.3	2387.5	2081.0	1774.6	1025.2	540.7	321.6
70°	2802.8	2655.3	2433.4	2211.5	2162.0	2112.4	1788.4	1464.4	794.0	405.3	238.7
72.5°	2245.1	2172.1	2018.0	1863.9	1818.2	1772.5	1444.3	1116.1	547.7	267.4	158.7
75°	1707.4	1678.0	1569.9	1461.9	1401.8	1341.7	1059.7	777.7	349.8	164.6	99.7
77.5°	1256.4	1242.5	1125.3	1008.1	901.7	795.3	606.2	417.1	183.3	86.4	54.3
80°	834.7	827.9	687.0	546.3	421.2	296.1	209.4	122.8	55.6	29.7	21.7
82.5°	481.4	491.0	388.7	286.3	199.3	112.3	74.7	37.1	16.9	10.6	9.1
85°	224.2	243.2	196.5	149.7	96.8	43.8	26.0	8.2	4.1	3.3	3.0
87.5°	64.5	78.9	67.4	55.8	34.5	13.1	7.2	1.2	0.2	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°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	141.0	140.7	140.5	140.3	140.1	139.6	139.4	139.6	139.7	139.5	139.2
5°	136.3	135.5	134.5	133.6	132.6	131.9	130.7	130.7	130.7	131.0	131.4
7.5°	130.5	129.3	128.0	127.2	126.4	125.9	125.7	124.9	124.1	124.1	124.1
10°	127.6	126.1	124.7	123.3	122.0	120.8	121.1	120.5	120.0	119.6	119.3
12.5°	126.5	124.2	121.8	120.3	118.9	117.9	117.4	116.6	115.9	115.5	115.1
15°	128.5	124.4	120.3	118.5	116.6	115.1	113.0	112.6	112.2	111.6	111.1
17.5°	132.8	125.7	118.8	116.3	113.7	111.9	110.8	109.7	108.6	107.6	106.6
20°	140.5	129.2	117.9	114.5	111.0	109.3	107.5	106.1	104.6	103.3	102.0
22.5°	155.4	137.0	118.7	113.2	107.8	105.4	102.6	101.3	100.0	98.4	96.9
25°	172.7	145.6	118.4	110.8	103.3	100.6	99.1	97.2	95.3	93.6	91.8
27.5°	200.6	160.3	120.0	109.7	99.3	96.0	94.4	92.6	90.9	89.1	87.2
30°	232.4	178.0	123.6	109.5	95.3	91.2	89.7	88.2	86.7	84.8	82.9
32.5°	268.1	197.9	127.8	110.1	92.4	88.1	85.3	83.6	81.8	80.2	78.5
35°	312.5	223.3	133.9	110.7	87.4	82.6	80.2	78.8	77.3	75.4	73.6
37.5°	363.2	251.6	140.0	111.2	82.3	77.0	75.5	74.3	73.2	71.2	69.2
40°	413.0	279.4	145.8	112.0	78.2	72.4	70.6	69.8	68.9	67.0	65.1
42.5°	457.8	304.3	150.9	113.4	76.0	66.9	66.0	64.9	63.9	62.1	60.3
45°	495.6	325.5	155.5	116.2	76.9	62.1	60.5	59.5	58.6	57.4	56.2
47.5°	517.5	338.4	159.3	120.4	81.5	59.0	54.2	53.6	53.0	52.7	52.4
50°	525.1	344.1	163.2	126.7	90.1	62.1	52.5	50.5	48.5	48.5	48.5
52.5°	507.5	334.7	161.8	130.6	99.3	72.7	55.4	49.7	43.9	43.8	43.7
55°	469.8	312.5	155.1	131.0	107.0	87.4	62.6	51.4	40.2	39.2	38.1
57.5°	413.3	281.6	149.8	126.8	103.9	93.1	68.5	53.3	38.1	35.2	32.3
60°	313.4	233.6	153.8	123.0	92.3	83.8	67.1	52.5	37.9	32.7	27.5
62.5°	232.4	186.0	139.6	109.6	79.5	66.4	59.9	49.3	38.8	31.5	24.2
65°	163.7	141.9	120.1	97.6	75.1	52.2	49.5	43.7	37.9	30.0	22.1
67.5°	102.5	92.9	83.2	73.4	63.6	43.6	38.6	34.4	30.2	24.8	19.5
70°	72.0	66.3	60.7	55.6	50.6	36.8	29.9	26.4	22.9	20.0	17.2
72.5°	50.0	45.9	41.9	39.3	36.7	30.3	23.2	20.0	16.8	15.1	13.4
75°	34.8	31.8	28.8	26.4	24.1	20.0	15.1	12.8	10.5	9.6	8.7
77.5°	22.1	19.8	17.6	15.6	13.6	12.5	9.4	8.1	6.7	6.5	6.2
80°	13.7	12.1	10.6	9.1	7.5	7.0	4.8	4.3	3.8	3.8	3.8
82.5°	7.5	6.5	5.7	4.6	3.5	2.9	2.0	1.7	1.4	1.4	1.4
85°	2.8	2.4	2.0	1.6	1.2	0.7	0.3	0.4	0.5	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	138.8	138.4	138.7	139.1	138.7	138.3	138.4	138.4	137.9	137.4	136.9
5°	131.5	131.5	132.1	132.6	132.8	133.0	133.2	133.3	133.4	133.6	133.6
7.5°	124.2	124.3	124.6	124.9	125.4	125.7	126.8	127.8	128.3	128.9	129.5
10°	119.0	118.8	119.8	120.8	121.1	121.4	122.7	123.8	124.5	125.2	125.7
12.5°	114.6	114.1	114.6	115.1	116.0	116.9	118.6	120.3	121.7	123.0	123.3
15°	110.6	110.1	110.5	111.0	111.4	111.9	113.7	115.4	116.9	118.4	119.1
17.5°	105.8	104.9	104.6	104.2	105.8	107.3	108.8	110.3	111.9	113.5	114.9
20°	100.9	99.9	99.6	99.4	100.1	100.7	102.6	104.6	106.5	108.4	109.0
22.5°	95.4	94.0	93.6	93.1	93.5	93.9	94.8	95.8	97.2	98.7	99.7
25°	90.3	88.8	87.6	86.4	86.5	86.6	87.1	87.6	88.1	88.7	89.3
27.5°	85.5	83.8	82.2	80.6	80.0	79.4	78.9	78.4	78.2	78.1	78.0
30°	80.8	78.7	77.0	75.3	73.6	71.8	70.7	69.6	68.4	67.2	66.2
32.5°	76.4	74.4	71.3	68.4	66.5	64.7	62.6	60.6	58.3	56.2	54.8
35°	71.2	68.9	66.1	63.3	60.2	57.2	54.1	51.0	48.1	45.3	43.6
37.5°	66.4	63.5	60.6	57.5	53.2	49.0	45.4	41.9	38.9	36.0	34.3
40°	61.8	58.5	54.4	50.3	45.7	41.0	37.2	33.3	30.5	27.7	26.2
42.5°	57.1	53.9	49.2	44.5	39.4	34.3	30.3	26.2	23.8	21.4	20.1
45°	52.6	49.0	43.5	38.0	33.2	28.4	24.9	21.4	19.2	16.8	15.8
47.5°	48.5	44.7	38.9	33.2	28.6	24.1	20.8	17.6	15.5	13.4	12.4
50°	44.6	40.7	34.9	29.1	24.9	20.7	17.8	14.9	12.9	11.0	10.0
52.5°	40.2	36.8	31.2	25.5	22.2	18.9	16.1	13.4	11.3	9.1	8.2
55°	35.1	32.0	27.3	22.6	19.6	16.6	14.2	11.6	9.4	7.2	6.2
57.5°	29.8	27.2	23.2	19.3	16.8	14.2	11.8	9.5	7.4	5.3	4.4
60°	25.2	22.9	19.5	16.1	13.7	11.2	9.1	7.1	5.2	3.4	2.5
62.5°	21.8	19.4	16.1	12.8	10.8	8.8	7.0	5.2	3.4	1.7	0.9
65°	19.2	16.3	13.4	10.6	8.4	6.3	4.6	3.0	1.8	0.6	0.3
67.5°	16.3	13.1	10.4	7.7	5.8	3.9	2.6	1.2	0.6	0.0	0.0
70°	13.7	10.2	7.3	4.3	2.9	1.4	0.9	0.2	0.1	0.0	0.0
72.5°	10.4	7.5	4.7	1.9	1.3	0.6	0.4	0.1	0.0	0.0	0.0
75°	6.9	5.2	3.3	1.4	0.9	0.4	0.2	0.0	0.0	0.0	0.0
77.5°	5.1	4.1	2.5	1.0	0.6	0.2	0.1	0.0	0.0	0.0	0.0
80°	3.1	2.4	1.4	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.2	0.1	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	136.3	136.2	136.3	136.9	137.4	137.9	138.4	138.4	138.3	138.7	139.1
5°	133.7	133.8	133.7	133.6	133.6	133.4	133.3	133.2	133.0	132.8	132.6
7.5°	130.2	131.4	130.2	129.5	128.9	128.3	127.8	126.8	125.7	125.4	124.9
10°	126.2	127.1	126.2	125.7	125.2	124.5	123.8	122.7	121.4	121.1	120.8
12.5°	123.6	123.7	123.6	123.3	123.0	121.7	120.3	118.6	116.9	116.0	115.1
15°	119.9	120.3	119.9	119.1	118.4	116.9	115.4	113.7	111.9	111.4	111.0
17.5°	116.3	117.0	116.3	114.9	113.5	111.9	110.3	108.8	107.3	105.8	104.2
20°	109.7	109.3	109.7	109.0	108.4	106.5	104.6	102.6	100.7	100.1	99.4
22.5°	100.9	102.1	100.9	99.7	98.7	97.2	95.8	94.8	93.9	93.5	93.1
25°	89.9	90.5	89.9	89.3	88.7	88.1	87.6	87.1	86.6	86.5	86.4
27.5°	77.9	77.5	77.9	78.0	78.1	78.2	78.4	78.9	79.4	80.0	80.6
30°	65.4	65.0	65.4	66.2	67.2	68.4	69.6	70.7	71.8	73.6	75.3
32.5°	53.3	52.5	53.3	54.8	56.2	58.3	60.6	62.6	64.7	66.5	68.4
35°	42.0	41.4	42.0	43.6	45.3	48.1	51.0	54.1	57.2	60.2	63.3
37.5°	32.6	31.8	32.6	34.3	36.0	38.9	41.9	45.4	49.0	53.2	57.5
40°	24.8	24.1	24.8	26.2	27.7	30.5	33.3	37.2	41.0	45.7	50.3
42.5°	18.8	17.8	18.8	20.1	21.4	23.8	26.2	30.3	34.3	39.4	44.5
45°	14.8	14.4	14.8	15.8	16.8	19.2	21.4	24.9	28.4	33.2	38.0
47.5°	11.5	11.1	11.5	12.4	13.4	15.5	17.6	20.8	24.1	28.6	33.2
50°	9.1	8.7	9.1	10.0	11.0	12.9	14.9	17.8	20.7	24.9	29.1
52.5°	7.2	6.7	7.2	8.2	9.1	11.3	13.4	16.1	18.9	22.2	25.5
55°	5.2	4.8	5.2	6.2	7.2	9.4	11.6	14.2	16.6	19.6	22.6
57.5°	3.6	3.4	3.6	4.4	5.3	7.4	9.5	11.8	14.2	16.8	19.3
60°	1.7	1.4	1.7	2.5	3.4	5.2	7.1	9.1	11.2	13.7	16.1
62.5°	0.1	0.0	0.1	0.9	1.7	3.4	5.2	7.0	8.8	10.8	12.8
65°	0.0	0.0	0.0	0.3	0.6	1.8	3.0	4.6	6.3	8.4	10.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.6	3.9	5.8	7.7
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.9	1.4	2.9	4.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.6	1.3	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	138.7	138.4	138.8	139.2	139.5	139.7	139.6	139.4	139.6	140.1	140.3
5°	132.1	131.5	131.5	131.4	131.0	130.7	130.7	130.7	131.9	132.6	133.6
7.5°	124.6	124.3	124.2	124.1	124.1	124.1	124.9	125.7	125.9	126.4	127.2
10°	119.8	118.8	119.0	119.3	119.6	120.0	120.5	121.1	120.8	122.0	123.3
12.5°	114.6	114.1	114.6	115.1	115.5	115.9	116.6	117.4	117.9	118.9	120.3
15°	110.5	110.1	110.6	111.1	111.6	112.2	112.6	113.0	115.1	116.6	118.5
17.5°	104.6	104.9	105.8	106.6	107.6	108.6	109.7	110.8	111.9	113.7	116.3
20°	99.6	99.9	100.9	102.0	103.3	104.6	106.1	107.5	109.3	111.0	114.5
22.5°	93.6	94.0	95.4	96.9	98.4	100.0	101.3	102.6	105.4	107.8	113.2
25°	87.6	88.8	90.3	91.8	93.6	95.3	97.2	99.1	100.6	103.3	110.8
27.5°	82.2	83.8	85.5	87.2	89.1	90.9	92.6	94.4	96.0	99.3	109.7
30°	77.0	78.7	80.8	82.9	84.8	86.7	88.2	89.7	91.2	95.3	109.5
32.5°	71.3	74.4	76.4	78.5	80.2	81.8	83.6	85.3	88.1	92.4	110.1
35°	66.1	68.9	71.2	73.6	75.4	77.3	78.8	80.2	82.6	87.4	110.7
37.5°	60.6	63.5	66.4	69.2	71.2	73.2	74.3	75.5	77.0	82.3	111.2
40°	54.4	58.5	61.8	65.1	67.0	68.9	69.8	70.6	72.4	78.2	112.0
42.5°	49.2	53.9	57.1	60.3	62.1	63.9	64.9	66.0	66.9	76.0	113.4
45°	43.5	49.0	52.6	56.2	57.4	58.6	59.5	60.5	62.1	76.9	116.2
47.5°	38.9	44.7	48.5	52.4	52.7	53.0	53.6	54.2	59.0	81.5	120.4
50°	34.9	40.7	44.6	48.5	48.5	48.5	50.5	52.5	62.1	90.1	126.7
52.5°	31.2	36.8	40.2	43.7	43.8	43.9	49.7	55.4	72.7	99.3	130.6
55°	27.3	32.0	35.1	38.1	39.2	40.2	51.4	62.6	87.4	107.0	131.0
57.5°	23.2	27.2	29.8	32.3	35.2	38.1	53.3	68.5	93.1	103.9	126.8
60°	19.5	22.9	25.2	27.5	32.7	37.9	52.5	67.1	83.8	92.3	123.0
62.5°	16.1	19.4	21.8	24.2	31.5	38.8	49.3	59.9	66.4	79.5	109.6
65°	13.4	16.3	19.2	22.1	30.0	37.9	43.7	49.5	52.2	75.1	97.6
67.5°	10.4	13.1	16.3	19.5	24.8	30.2	34.4	38.6	43.6	63.6	73.4
70°	7.3	10.2	13.7	17.2	20.0	22.9	26.4	29.9	36.8	50.6	55.6
72.5°	4.7	7.5	10.4	13.4	15.1	16.8	20.0	23.2	30.3	36.7	39.3
75°	3.3	5.2	6.9	8.7	9.6	10.5	12.8	15.1	20.0	24.1	26.4
77.5°	2.5	4.1	5.1	6.2	6.5	6.7	8.1	9.4	12.5	13.6	15.6
80°	1.4	2.4	3.1	3.8	3.8	3.8	4.3	4.8	7.0	7.5	9.1
82.5°	0.5	1.0	1.2	1.4	1.4	1.4	1.7	2.0	2.9	3.5	4.6
85°	0.0	0.1	0.2	0.4	0.4	0.5	0.4	0.3	0.7	1.2	1.6
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	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):

	330°	335°	340°	345°	350°	355°	360°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	140.5	140.7	141.0	141.5	142.1	142.5	142.0
5°	134.5	135.5	136.3	137.3	138.3	139.7	141.5
7.5°	128.0	129.3	130.5	131.9	133.3	135.1	137.0
10°	124.7	126.1	127.6	129.9	132.1	135.1	137.4
12.5°	121.8	124.2	126.5	131.0	135.7	141.9	147.5
15°	120.3	124.4	128.5	137.1	145.6	156.8	168.5
17.5°	118.8	125.7	132.8	148.3	163.9	185.4	210.8
20°	117.9	129.2	140.5	166.0	191.6	226.5	265.5
22.5°	118.7	137.0	155.4	194.4	233.4	282.6	329.8
25°	118.4	145.6	172.7	227.9	283.2	349.7	407.5
27.5°	120.0	160.3	200.6	273.7	346.8	425.5	486.7
30°	123.6	178.0	232.4	325.0	417.8	512.2	581.3
32.5°	127.8	197.9	268.1	382.5	496.9	607.2	680.4
35°	133.9	223.3	312.5	447.9	583.3	703.9	770.9
37.5°	140.0	251.6	363.2	521.9	680.6	810.1	872.0
40°	145.8	279.4	413.0	598.5	783.9	926.7	978.9
42.5°	150.9	304.3	457.8	672.8	887.8	1050.7	1108.9
45°	155.5	325.5	495.6	754.4	1013.2	1229.2	1343.8
47.5°	159.3	338.4	517.5	845.8	1174.0	1495.2	1686.5
50°	163.2	344.1	525.1	933.4	1341.6	1808.0	2140.7
52.5°	161.8	334.7	507.5	971.0	1434.5	2032.2	2550.9
55°	155.1	312.5	469.8	952.5	1435.1	2117.4	2812.3
57.5°	149.8	281.6	413.3	857.9	1302.5	2010.0	2903.3
60°	153.8	233.6	313.4	694.9	1076.4	1788.2	2721.8
62.5°	139.6	186.0	232.4	551.2	870.0	1523.2	2422.1
65°	120.1	141.9	163.7	433.0	702.3	1275.2	2071.2
67.5°	83.2	92.9	102.5	321.6	540.7	1025.2	1774.6
70°	60.7	66.3	72.0	238.7	405.3	794.0	1464.4
72.5°	41.9	45.9	50.0	158.7	267.4	547.7	1116.1
75°	28.8	31.8	34.8	99.7	164.6	349.8	777.7
77.5°	17.6	19.8	22.1	54.3	86.4	183.3	417.1
80°	10.6	12.1	13.7	21.7	29.7	55.6	122.8
82.5°	5.7	6.5	7.5	9.1	10.6	16.9	37.1
85°	2.0	2.4	2.8	3.0	3.3	4.1	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)