

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: P1208425

Luminaire Tested: UPW-SA1-060-827-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208425
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-SA1-060-827-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 3511 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

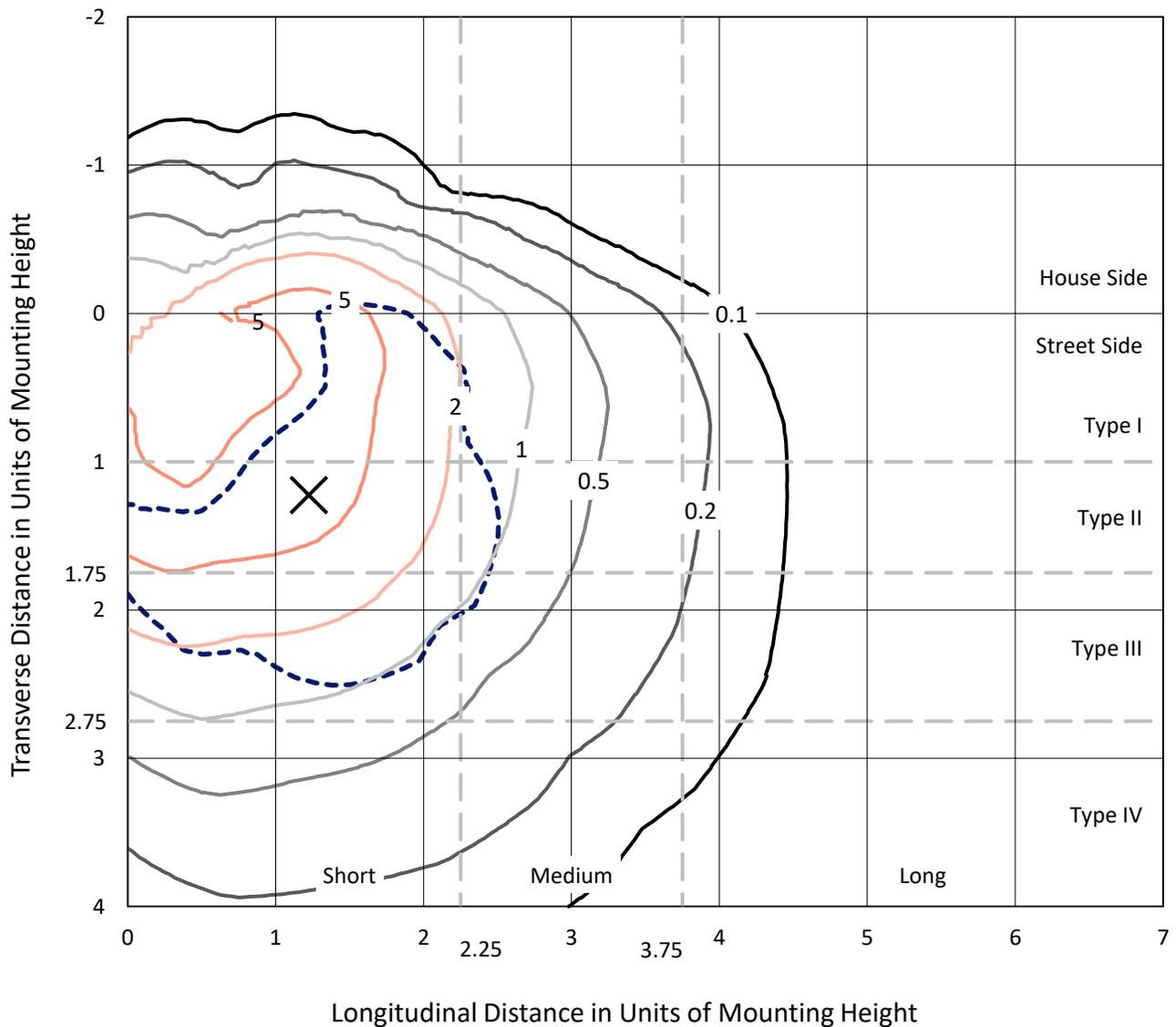
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

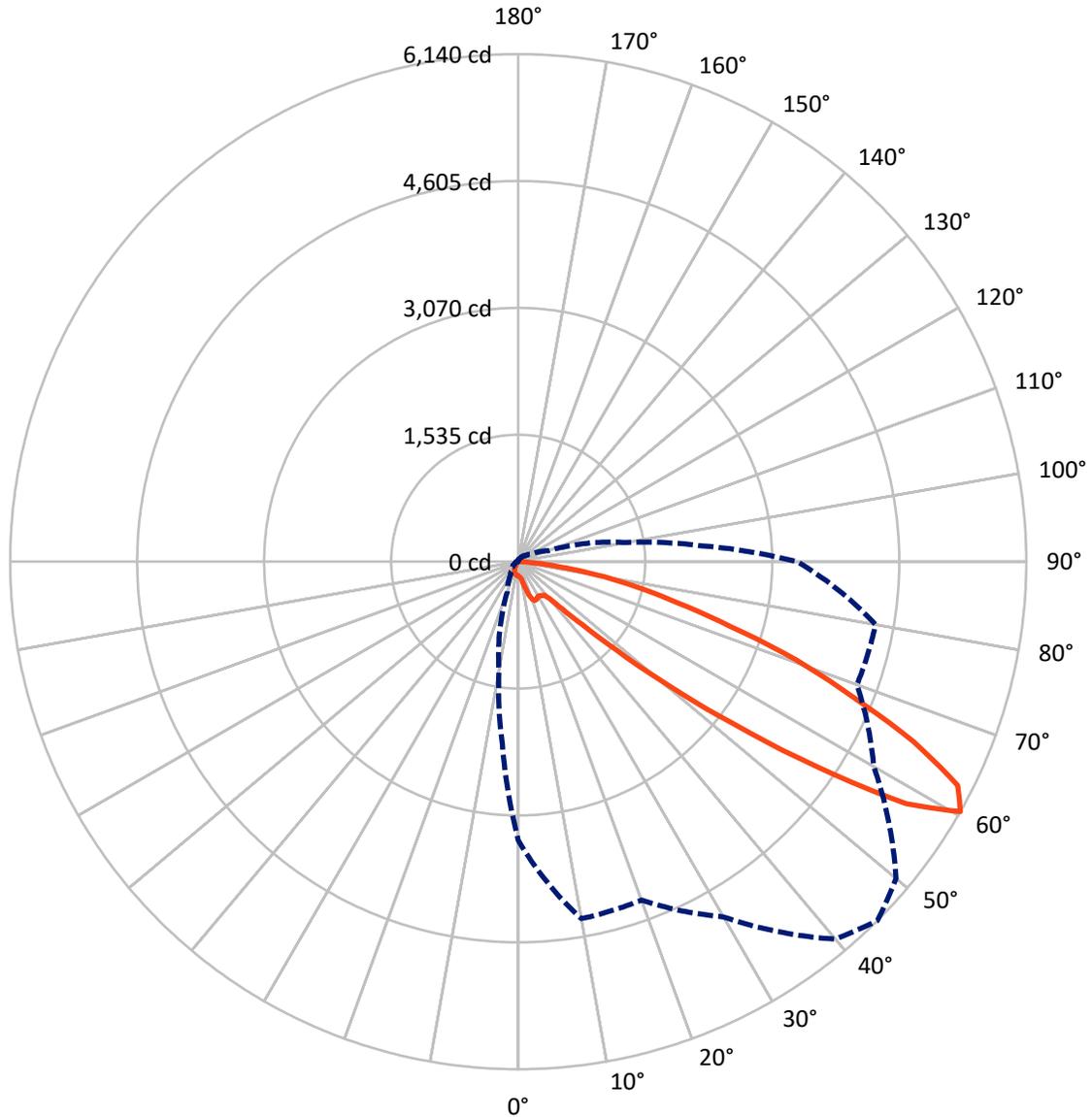
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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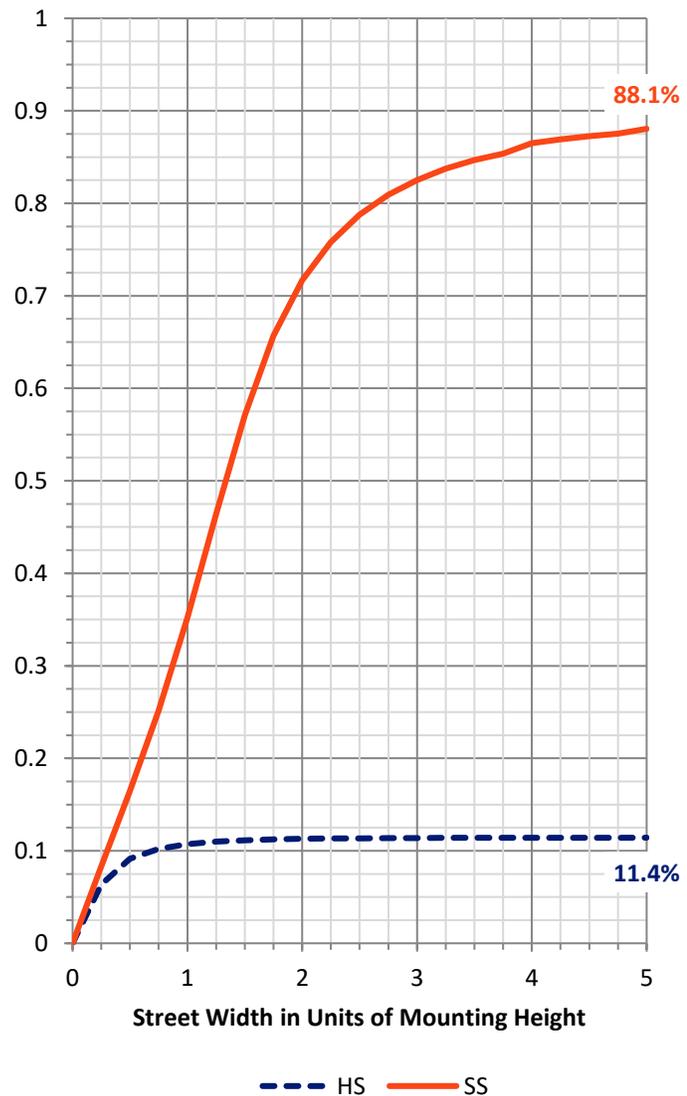
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	404.5	0.0	404.5
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3106.5	0.0	3106.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	3511.0	0.0	3511.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.5
10°-20°	54.2	1.5
20°-30°	117.0	3.3
30°-40°	197.1	5.6
40°-50°	398.1	11.3
50°-60°	1023.8	29.2
60°-70°	1113.1	31.7
70°-80°	524.4	14.9
80°-90°	67.3	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°	3511.0	100.0
0°-180°	3511.0	100.0



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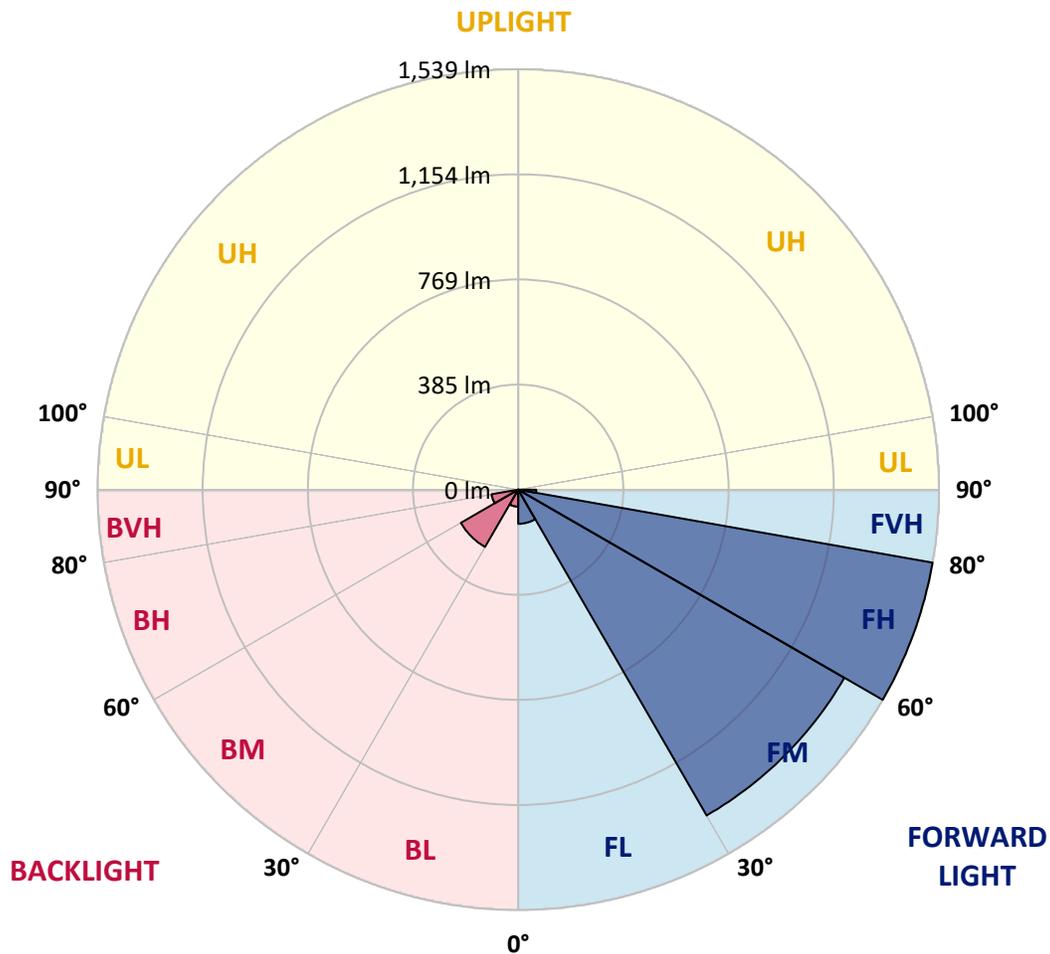
CATALOG NUMBER: UPW-SA1-060-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.9	3.6			
FM	(30°-60°)	1376.9	39.2			
FH	(60°-80°)	1538.5	43.8			G1/1800
FVH	(80°-90°)	66.1	1.9			G1/100
BL	(0°-30°)	62.2	1.8	B0/110		
BM	(30°-60°)	242.1	6.9	B1/1000		
BH	(60°-80°)	99.0	2.8	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	175.8	176.3	176.9	177.7	178.5	178.8	179.3	179.4	179.6	178.2	179.6
5°	175.2	176.7	178.2	180.0	181.8	182.7	183.7	184.2	184.6	185.9	184.6
7.5°	169.6	173.4	177.1	180.6	184.0	186.7	189.4	191.7	193.9	195.5	193.9
10°	170.1	177.1	184.0	190.8	197.6	202.7	208.0	211.5	215.0	216.9	215.0
12.5°	182.7	193.9	205.1	216.5	227.8	238.4	249.1	256.2	263.3	268.2	263.3
15°	208.6	229.7	250.9	270.7	290.5	307.0	323.6	332.4	341.1	342.1	341.1
17.5°	261.0	292.0	322.9	349.2	375.5	393.0	410.6	419.0	427.4	429.7	427.4
20°	328.7	367.6	406.4	431.2	456.0	467.8	479.6	484.0	488.5	485.7	488.5
22.5°	408.2	449.5	490.8	507.8	524.7	523.6	522.5	518.8	515.2	509.0	515.2
25°	504.5	538.8	573.0	569.4	565.9	551.3	536.8	524.6	512.3	506.6	512.3
27.5°	602.5	621.1	639.6	614.2	588.8	561.2	533.5	517.1	500.7	490.5	500.7
30°	719.6	707.7	695.6	650.4	605.2	570.2	535.2	515.7	496.3	484.5	496.3
32.5°	842.4	800.1	757.8	693.3	628.9	588.2	547.4	524.9	502.4	488.1	502.4
35°	954.4	885.1	815.8	734.1	652.5	608.6	564.9	538.9	513.0	501.8	513.0
37.5°	1079.6	975.1	870.6	771.5	672.5	624.7	576.9	553.1	529.3	517.3	529.3
40°	1211.9	1074.5	937.2	821.5	705.7	663.7	621.6	606.0	590.4	587.0	590.4
42.5°	1372.8	1204.1	1035.3	911.6	787.9	768.0	748.1	753.4	758.6	780.1	758.6
45°	1663.6	1457.5	1251.4	1111.7	972.0	979.4	986.8	1027.4	1068.0	1091.8	1068.0
47.5°	2088.0	1863.8	1639.6	1461.4	1283.1	1332.7	1382.3	1480.9	1579.5	1600.8	1579.5
50°	2650.3	2411.9	2173.6	1951.1	1728.6	1833.2	1937.8	2126.2	2314.6	2345.7	2314.6
52.5°	3158.0	2974.2	2790.4	2530.1	2269.7	2447.3	2624.9	2901.5	3178.2	3262.9	3178.2
55°	3481.6	3541.7	3601.7	3328.5	3055.2	3271.8	3488.3	3852.8	4217.3	4379.8	4217.3
57.5°	3594.3	3949.2	4304.2	4112.8	3921.5	4144.9	4368.4	4818.9	5269.3	5525.8	5269.3
60°	3369.6	3877.6	4385.6	4370.6	4355.6	4658.9	4962.1	5461.7	5961.2	6140.2	5961.2
62.5°	2998.6	3417.6	3836.5	3912.6	3988.8	4416.0	4843.3	5309.8	5776.3	5959.7	5776.3
65°	2564.1	2938.9	3313.7	3372.6	3431.5	3887.6	4343.9	4765.2	5186.6	5248.7	5186.6
67.5°	2197.0	2576.4	2955.7	2992.7	3029.8	3417.9	3806.0	4118.4	4430.8	4354.1	4430.8
70°	1812.9	2214.1	2615.2	2676.5	2737.9	3012.6	3287.3	3470.0	3652.6	3560.3	3652.6
72.5°	1381.7	1788.0	2194.3	2251.0	2307.6	2498.3	2689.1	2779.5	2869.7	2687.8	2869.7
75°	962.8	1312.0	1661.1	1735.5	1809.8	1943.6	2077.4	2113.8	2150.1	1982.2	2150.1
77.5°	516.4	750.4	984.5	1116.3	1248.1	1393.1	1538.2	1555.5	1572.8	1461.3	1572.8
80°	152.0	259.2	366.5	521.4	676.3	850.6	1024.9	1033.3	1041.7	958.9	1041.7
82.5°	45.9	92.4	139.0	246.7	354.5	481.2	607.9	596.0	584.0	500.0	584.0
85°	10.1	32.2	54.2	119.8	185.3	243.2	301.1	277.5	254.0	206.2	254.0
87.5°	1.5	8.9	16.2	42.7	69.1	83.4	97.7	79.8	61.9	56.0	61.9
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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	179.4	179.3	178.8	178.5	177.7	176.9	176.3	175.8	176.4	175.9	175.2
5°	184.2	183.7	182.7	181.8	180.0	178.2	176.7	175.2	172.9	171.2	170.0
7.5°	191.7	189.4	186.7	184.0	180.6	177.1	173.4	169.6	167.2	165.1	163.3
10°	211.5	208.0	202.7	197.6	190.8	184.0	177.1	170.1	167.3	163.6	160.8
12.5°	256.2	249.1	238.4	227.8	216.5	205.1	193.9	182.7	175.6	167.9	162.2
15°	332.4	323.6	307.0	290.5	270.7	250.9	229.7	208.6	194.2	180.3	169.7
17.5°	419.0	410.6	393.0	375.5	349.2	322.9	292.0	261.0	229.5	202.9	183.6
20°	484.0	479.6	467.8	456.0	431.2	406.4	367.6	328.7	280.5	237.2	205.5
22.5°	518.8	522.5	523.6	524.7	507.8	490.8	449.5	408.2	349.8	288.9	240.7
25°	524.6	536.8	551.3	565.9	569.4	573.0	538.8	504.5	433.0	350.5	282.2
27.5°	517.1	533.5	561.2	588.8	614.2	639.6	621.1	602.5	526.8	429.4	338.9
30°	515.7	535.2	570.2	605.2	650.4	695.6	707.7	719.6	634.0	517.2	402.4
32.5°	524.9	547.4	588.2	628.9	693.3	757.8	800.1	842.4	751.7	615.2	473.6
35°	538.9	564.9	608.6	652.5	734.1	815.8	885.1	954.4	871.4	722.2	554.5
37.5°	553.1	576.9	624.7	672.5	771.5	870.6	975.1	1079.6	1003.0	842.6	646.1
40°	606.0	621.6	663.7	705.7	821.5	937.2	1074.5	1211.9	1147.2	970.5	740.9
42.5°	753.4	748.1	768.0	787.9	911.6	1035.3	1204.1	1372.8	1300.8	1099.1	832.9
45°	1027.4	986.8	979.4	972.0	1111.7	1251.4	1457.5	1663.6	1521.7	1254.4	933.9
47.5°	1480.9	1382.3	1332.7	1283.1	1461.4	1639.6	1863.8	2088.0	1851.1	1453.4	1047.1
50°	2126.2	1937.8	1833.2	1728.6	1951.1	2173.6	2411.9	2650.3	2238.3	1661.0	1155.5
52.5°	2901.5	2624.9	2447.3	2269.7	2530.1	2790.4	2974.2	3158.0	2515.9	1776.0	1202.1
55°	3852.8	3488.3	3271.8	3055.2	3328.5	3601.7	3541.7	3481.6	2621.4	1776.7	1179.2
57.5°	4818.9	4368.4	4144.9	3921.5	4112.8	4304.2	3949.2	3594.3	2488.5	1612.6	1062.1
60°	5461.7	4962.1	4658.9	4355.6	4370.6	4385.6	3877.6	3369.6	2213.8	1332.6	860.3
62.5°	5309.8	4843.3	4416.0	3988.8	3912.6	3836.5	3417.6	2998.6	1885.7	1077.0	682.4
65°	4765.2	4343.9	3887.6	3431.5	3372.6	3313.7	2938.9	2564.1	1578.7	869.4	536.0
67.5°	4118.4	3806.0	3417.9	3029.8	2992.7	2955.7	2576.4	2197.0	1269.2	669.4	398.2
70°	3470.0	3287.3	3012.6	2737.9	2676.5	2615.2	2214.1	1812.9	982.9	501.8	295.5
72.5°	2779.5	2689.1	2498.3	2307.6	2251.0	2194.3	1788.0	1381.7	678.0	331.1	196.4
75°	2113.8	2077.4	1943.6	1809.8	1735.5	1661.1	1312.0	962.8	433.0	203.8	123.4
77.5°	1555.5	1538.2	1393.1	1248.1	1116.3	984.5	750.4	516.4	226.9	107.0	67.2
80°	1033.3	1024.9	850.6	676.3	521.4	366.5	259.2	152.0	68.8	36.8	26.9
82.5°	596.0	607.9	481.2	354.5	246.7	139.0	92.4	45.9	21.0	13.1	11.2
85°	277.5	301.1	243.2	185.3	119.8	54.2	32.2	10.1	5.1	4.1	3.7
87.5°	79.8	97.7	83.4	69.1	42.7	16.2	8.9	1.5	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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	174.5	174.1	173.9	173.7	173.4	172.8	172.6	172.8	172.9	172.7	172.4
5°	168.8	167.7	166.6	165.4	164.2	163.3	161.9	161.9	161.8	162.2	162.7
7.5°	161.5	160.0	158.5	157.5	156.4	155.8	155.7	154.6	153.6	153.6	153.6
10°	157.9	156.1	154.4	152.7	151.1	149.6	149.9	149.2	148.5	148.1	147.7
12.5°	156.6	153.7	150.8	149.0	147.2	146.0	145.3	144.4	143.5	143.0	142.4
15°	159.1	154.1	149.0	146.7	144.3	142.4	139.9	139.4	138.9	138.2	137.5
17.5°	164.4	155.7	147.1	143.9	140.8	138.6	137.2	135.8	134.4	133.2	132.0
20°	173.9	160.0	146.0	141.7	137.4	135.3	133.1	131.3	129.4	127.8	126.2
22.5°	192.4	169.6	146.9	140.2	133.5	130.5	127.1	125.4	123.8	121.9	119.9
25°	213.8	180.2	146.6	137.2	127.8	124.6	122.6	120.3	118.0	115.9	113.7
27.5°	248.4	198.5	148.5	135.8	122.9	118.9	116.9	114.7	112.5	110.3	108.0
30°	287.7	220.4	153.0	135.5	118.0	112.9	111.1	109.2	107.3	104.9	102.6
32.5°	332.0	245.1	158.2	136.4	114.4	109.1	105.6	103.5	101.3	99.2	97.1
35°	386.9	276.4	165.8	137.0	108.2	102.2	99.3	97.5	95.7	93.3	91.1
37.5°	449.7	311.5	173.3	137.6	101.9	95.4	93.4	92.0	90.6	88.1	85.7
40°	511.3	345.9	180.5	138.6	96.8	89.7	87.4	86.4	85.3	83.0	80.6
42.5°	566.8	376.8	186.8	140.4	94.0	82.8	81.7	80.4	79.1	76.9	74.6
45°	613.5	403.0	192.5	143.9	95.2	76.9	74.9	73.7	72.6	71.0	69.6
47.5°	640.7	419.0	197.3	149.1	100.8	73.0	67.1	66.4	65.7	65.3	64.8
50°	650.1	426.1	202.0	156.8	111.6	76.9	65.0	62.5	60.1	60.1	60.1
52.5°	628.3	414.3	200.4	161.6	122.9	90.0	68.6	61.5	54.4	54.2	54.1
55°	581.7	386.8	192.0	162.2	132.4	108.2	77.5	63.6	49.8	48.5	47.2
57.5°	511.6	348.6	185.5	157.0	128.6	115.3	84.7	66.0	47.2	43.6	40.0
60°	388.0	289.2	190.4	152.3	114.3	103.7	83.1	65.0	47.0	40.5	34.1
62.5°	287.7	230.3	172.8	135.6	98.5	82.2	74.2	61.1	48.0	39.0	29.9
65°	202.6	175.7	148.7	120.9	93.0	64.7	61.3	54.1	47.0	37.2	27.4
67.5°	126.9	115.0	103.0	90.9	78.8	53.9	47.8	42.6	37.4	30.8	24.1
70°	89.1	82.1	75.1	68.9	62.7	45.6	37.1	32.7	28.3	24.8	21.3
72.5°	61.9	56.9	51.8	48.6	45.4	37.5	28.7	24.8	20.9	18.7	16.6
75°	43.0	39.3	35.6	32.7	29.8	24.7	18.7	15.9	13.0	11.9	10.7
77.5°	27.4	24.6	21.8	19.3	16.8	15.5	11.6	10.0	8.3	8.0	7.6
80°	17.0	15.0	13.1	11.2	9.2	8.6	6.0	5.3	4.6	4.6	4.6
82.5°	9.2	8.1	7.0	5.7	4.3	3.6	2.5	2.1	1.8	1.8	1.8
85°	3.5	3.0	2.5	2.0	1.5	0.9	0.4	0.5	0.6	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	171.9	171.3	171.8	172.2	171.7	171.2	171.3	171.3	170.7	170.1	169.5
5°	162.8	162.8	163.5	164.2	164.4	164.6	164.8	165.1	165.2	165.4	165.4
7.5°	153.8	153.9	154.3	154.7	155.2	155.7	157.0	158.2	158.9	159.6	160.4
10°	147.3	147.1	148.3	149.6	149.9	150.3	151.9	153.3	154.1	155.0	155.6
12.5°	141.8	141.2	141.8	142.4	143.6	144.7	146.8	149.0	150.7	152.3	152.6
15°	137.0	136.4	136.8	137.4	138.0	138.6	140.7	142.9	144.8	146.6	147.5
17.5°	131.0	129.9	129.4	129.0	131.0	132.9	134.7	136.6	138.6	140.5	142.2
20°	124.9	123.7	123.4	123.1	123.9	124.7	127.1	129.4	131.8	134.2	135.0
22.5°	118.1	116.3	115.9	115.3	115.7	116.2	117.4	118.6	120.4	122.2	123.5
25°	111.8	110.0	108.5	107.0	107.0	107.2	107.8	108.5	109.1	109.8	110.6
27.5°	105.8	103.7	101.8	99.8	99.0	98.3	97.7	97.0	96.8	96.7	96.5
30°	100.1	97.4	95.4	93.3	91.1	88.9	87.5	86.1	84.6	83.1	82.0
32.5°	94.6	92.1	88.3	84.6	82.4	80.2	77.5	75.0	72.2	69.6	67.8
35°	88.2	85.3	81.9	78.4	74.6	70.8	67.0	63.2	59.6	56.0	54.0
37.5°	82.2	78.7	75.0	71.2	65.9	60.7	56.3	51.8	48.2	44.6	42.4
40°	76.5	72.4	67.3	62.3	56.6	50.8	46.0	41.2	37.8	34.3	32.5
42.5°	70.7	66.7	60.9	55.1	48.8	42.4	37.5	32.5	29.5	26.5	24.9
45°	65.1	60.7	53.9	47.1	41.1	35.2	30.9	26.5	23.7	20.9	19.6
47.5°	60.1	55.3	48.2	41.1	35.5	29.8	25.7	21.8	19.1	16.6	15.4
50°	55.2	50.4	43.2	36.1	30.9	25.6	22.1	18.5	16.0	13.6	12.4
52.5°	49.8	45.6	38.6	31.6	27.5	23.4	20.0	16.6	13.9	11.3	10.1
55°	43.4	39.6	33.9	28.0	24.3	20.6	17.5	14.4	11.7	8.9	7.7
57.5°	36.9	33.7	28.7	23.8	20.7	17.6	14.7	11.8	9.2	6.6	5.5
60°	31.2	28.3	24.1	20.0	16.9	13.8	11.3	8.8	6.5	4.2	3.1
62.5°	26.9	24.0	19.9	15.8	13.3	10.8	8.6	6.4	4.2	2.1	1.1
65°	23.8	20.1	16.6	13.1	10.4	7.7	5.7	3.7	2.3	0.7	0.4
67.5°	20.2	16.2	12.9	9.5	7.2	4.9	3.2	1.5	0.7	0.0	0.0
70°	17.0	12.6	9.0	5.4	3.6	1.8	1.1	0.3	0.1	0.0	0.0
72.5°	12.9	9.2	5.8	2.4	1.5	0.7	0.5	0.1	0.1	0.0	0.0
75°	8.6	6.4	4.1	1.8	1.1	0.5	0.2	0.0	0.0	0.0	0.0
77.5°	6.3	5.1	3.1	1.2	0.7	0.3	0.1	0.0	0.0	0.0	0.0
80°	3.8	3.0	1.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	168.8	168.7	168.8	169.5	170.1	170.7	171.3	171.3	171.2	171.7	172.2
5°	165.6	165.7	165.6	165.4	165.4	165.2	165.1	164.8	164.6	164.4	164.2
7.5°	161.2	162.7	161.2	160.4	159.6	158.9	158.2	157.0	155.7	155.2	154.7
10°	156.3	157.3	156.3	155.6	155.0	154.1	153.3	151.9	150.3	149.9	149.6
12.5°	153.0	153.2	153.0	152.6	152.3	150.7	149.0	146.8	144.7	143.6	142.4
15°	148.4	149.0	148.4	147.5	146.6	144.8	142.9	140.7	138.6	138.0	137.4
17.5°	143.9	144.8	143.9	142.2	140.5	138.6	136.6	134.7	132.9	131.0	129.0
20°	135.8	135.3	135.8	135.0	134.2	131.8	129.4	127.1	124.7	123.9	123.1
22.5°	124.9	126.3	124.9	123.5	122.2	120.4	118.6	117.4	116.2	115.7	115.3
25°	111.3	112.0	111.3	110.6	109.8	109.1	108.5	107.8	107.2	107.0	107.0
27.5°	96.4	96.0	96.4	96.5	96.7	96.8	97.0	97.7	98.3	99.0	99.8
30°	80.9	80.5	80.9	82.0	83.1	84.6	86.1	87.5	88.9	91.1	93.3
32.5°	66.0	65.0	66.0	67.8	69.6	72.2	75.0	77.5	80.2	82.4	84.6
35°	52.0	51.3	52.0	54.0	56.0	59.6	63.2	67.0	70.8	74.6	78.4
37.5°	40.4	39.3	40.4	42.4	44.6	48.2	51.8	56.3	60.7	65.9	71.2
40°	30.7	29.8	30.7	32.5	34.3	37.8	41.2	46.0	50.8	56.6	62.3
42.5°	23.2	22.1	23.2	24.9	26.5	29.5	32.5	37.5	42.4	48.8	55.1
45°	18.4	17.9	18.4	19.6	20.9	23.7	26.5	30.9	35.2	41.1	47.1
47.5°	14.2	13.7	14.2	15.4	16.6	19.1	21.8	25.7	29.8	35.5	41.1
50°	11.2	10.7	11.2	12.4	13.6	16.0	18.5	22.1	25.6	30.9	36.1
52.5°	8.9	8.3	8.9	10.1	11.3	13.9	16.6	20.0	23.4	27.5	31.6
55°	6.4	6.0	6.4	7.7	8.9	11.7	14.4	17.5	20.6	24.3	28.0
57.5°	4.5	4.2	4.5	5.5	6.6	9.2	11.8	14.7	17.6	20.7	23.8
60°	2.1	1.8	2.1	3.1	4.2	6.5	8.8	11.3	13.8	16.9	20.0
62.5°	0.1	0.0	0.1	1.1	2.1	4.2	6.4	8.6	10.8	13.3	15.8
65°	0.0	0.0	0.0	0.4	0.7	2.3	3.7	5.7	7.7	10.4	13.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.2	4.9	7.2	9.5
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.1	1.8	3.6	5.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.7	1.5	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	171.8	171.3	171.9	172.4	172.7	172.9	172.8	172.6	172.8	173.4	173.7
5°	163.5	162.8	162.8	162.7	162.2	161.8	161.9	161.9	163.3	164.2	165.4
7.5°	154.3	153.9	153.8	153.6	153.6	153.6	154.6	155.7	155.8	156.4	157.5
10°	148.3	147.1	147.3	147.7	148.1	148.5	149.2	149.9	149.6	151.1	152.7
12.5°	141.8	141.2	141.8	142.4	143.0	143.5	144.4	145.3	146.0	147.2	149.0
15°	136.8	136.4	137.0	137.5	138.2	138.9	139.4	139.9	142.4	144.3	146.7
17.5°	129.4	129.9	131.0	132.0	133.2	134.4	135.8	137.2	138.6	140.8	143.9
20°	123.4	123.7	124.9	126.2	127.8	129.4	131.3	133.1	135.3	137.4	141.7
22.5°	115.9	116.3	118.1	119.9	121.9	123.8	125.4	127.1	130.5	133.5	140.2
25°	108.5	110.0	111.8	113.7	115.9	118.0	120.3	122.6	124.6	127.8	137.2
27.5°	101.8	103.7	105.8	108.0	110.3	112.5	114.7	116.9	118.9	122.9	135.8
30°	95.4	97.4	100.1	102.6	104.9	107.3	109.2	111.1	112.9	118.0	135.5
32.5°	88.3	92.1	94.6	97.1	99.2	101.3	103.5	105.6	109.1	114.4	136.4
35°	81.9	85.3	88.2	91.1	93.3	95.7	97.5	99.3	102.2	108.2	137.0
37.5°	75.0	78.7	82.2	85.7	88.1	90.6	92.0	93.4	95.4	101.9	137.6
40°	67.3	72.4	76.5	80.6	83.0	85.3	86.4	87.4	89.7	96.8	138.6
42.5°	60.9	66.7	70.7	74.6	76.9	79.1	80.4	81.7	82.8	94.0	140.4
45°	53.9	60.7	65.1	69.6	71.0	72.6	73.7	74.9	76.9	95.2	143.9
47.5°	48.2	55.3	60.1	64.8	65.3	65.7	66.4	67.1	73.0	100.8	149.1
50°	43.2	50.4	55.2	60.1	60.1	60.1	62.5	65.0	76.9	111.6	156.8
52.5°	38.6	45.6	49.8	54.1	54.2	54.4	61.5	68.6	90.0	122.9	161.6
55°	33.9	39.6	43.4	47.2	48.5	49.8	63.6	77.5	108.2	132.4	162.2
57.5°	28.7	33.7	36.9	40.0	43.6	47.2	66.0	84.7	115.3	128.6	157.0
60°	24.1	28.3	31.2	34.1	40.5	47.0	65.0	83.1	103.7	114.3	152.3
62.5°	19.9	24.0	26.9	29.9	39.0	48.0	61.1	74.2	82.2	98.5	135.6
65°	16.6	20.1	23.8	27.4	37.2	47.0	54.1	61.3	64.7	93.0	120.9
67.5°	12.9	16.2	20.2	24.1	30.8	37.4	42.6	47.8	53.9	78.8	90.9
70°	9.0	12.6	17.0	21.3	24.8	28.3	32.7	37.1	45.6	62.7	68.9
72.5°	5.8	9.2	12.9	16.6	18.7	20.9	24.8	28.7	37.5	45.4	48.6
75°	4.1	6.4	8.6	10.7	11.9	13.0	15.9	18.7	24.7	29.8	32.7
77.5°	3.1	5.1	6.3	7.6	8.0	8.3	10.0	11.6	15.5	16.8	19.3
80°	1.8	3.0	3.8	4.6	4.6	4.6	5.3	6.0	8.6	9.2	11.2
82.5°	0.6	1.2	1.5	1.8	1.8	1.8	2.1	2.5	3.6	4.3	5.7
85°	0.1	0.1	0.3	0.5	0.5	0.6	0.5	0.4	0.9	1.5	2.0
87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	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°	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	173.9	174.1	174.5	175.2	175.9	176.4	175.8
5°	166.6	167.7	168.8	170.0	171.2	172.9	175.2
7.5°	158.5	160.0	161.5	163.3	165.1	167.2	169.6
10°	154.4	156.1	157.9	160.8	163.6	167.3	170.1
12.5°	150.8	153.7	156.6	162.2	167.9	175.6	182.7
15°	149.0	154.1	159.1	169.7	180.3	194.2	208.6
17.5°	147.1	155.7	164.4	183.6	202.9	229.5	261.0
20°	146.0	160.0	173.9	205.5	237.2	280.5	328.7
22.5°	146.9	169.6	192.4	240.7	288.9	349.8	408.2
25°	146.6	180.2	213.8	282.2	350.5	433.0	504.5
27.5°	148.5	198.5	248.4	338.9	429.4	526.8	602.5
30°	153.0	220.4	287.7	402.4	517.2	634.0	719.6
32.5°	158.2	245.1	332.0	473.6	615.2	751.7	842.4
35°	165.8	276.4	386.9	554.5	722.2	871.4	954.4
37.5°	173.3	311.5	449.7	646.1	842.6	1003.0	1079.6
40°	180.5	345.9	511.3	740.9	970.5	1147.2	1211.9
42.5°	186.8	376.8	566.8	832.9	1099.1	1300.8	1372.8
45°	192.5	403.0	613.5	933.9	1254.4	1521.7	1663.6
47.5°	197.3	419.0	640.7	1047.1	1453.4	1851.1	2088.0
50°	202.0	426.1	650.1	1155.5	1661.0	2238.3	2650.3
52.5°	200.4	414.3	628.3	1202.1	1776.0	2515.9	3158.0
55°	192.0	386.8	581.7	1179.2	1776.7	2621.4	3481.6
57.5°	185.5	348.6	511.6	1062.1	1612.6	2488.5	3594.3
60°	190.4	289.2	388.0	860.3	1332.6	2213.8	3369.6
62.5°	172.8	230.3	287.7	682.4	1077.0	1885.7	2998.6
65°	148.7	175.7	202.6	536.0	869.4	1578.7	2564.1
67.5°	103.0	115.0	126.9	398.2	669.4	1269.2	2197.0
70°	75.1	82.1	89.1	295.5	501.8	982.9	1812.9
72.5°	51.8	56.9	61.9	196.4	331.1	678.0	1381.7
75°	35.6	39.3	43.0	123.4	203.8	433.0	962.8
77.5°	21.8	24.6	27.4	67.2	107.0	226.9	516.4
80°	13.1	15.0	17.0	26.9	36.8	68.8	152.0
82.5°	7.0	8.1	9.2	11.2	13.1	21.0	45.9
85°	2.5	3.0	3.5	3.7	4.1	5.1	10.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)