

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: P1208263

Luminaire Tested: UPW-SA1-060-727-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208263
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-SA1-060-727-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 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: 3993 lumens
Efficiency: N/A
Efficacy: 67.7 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

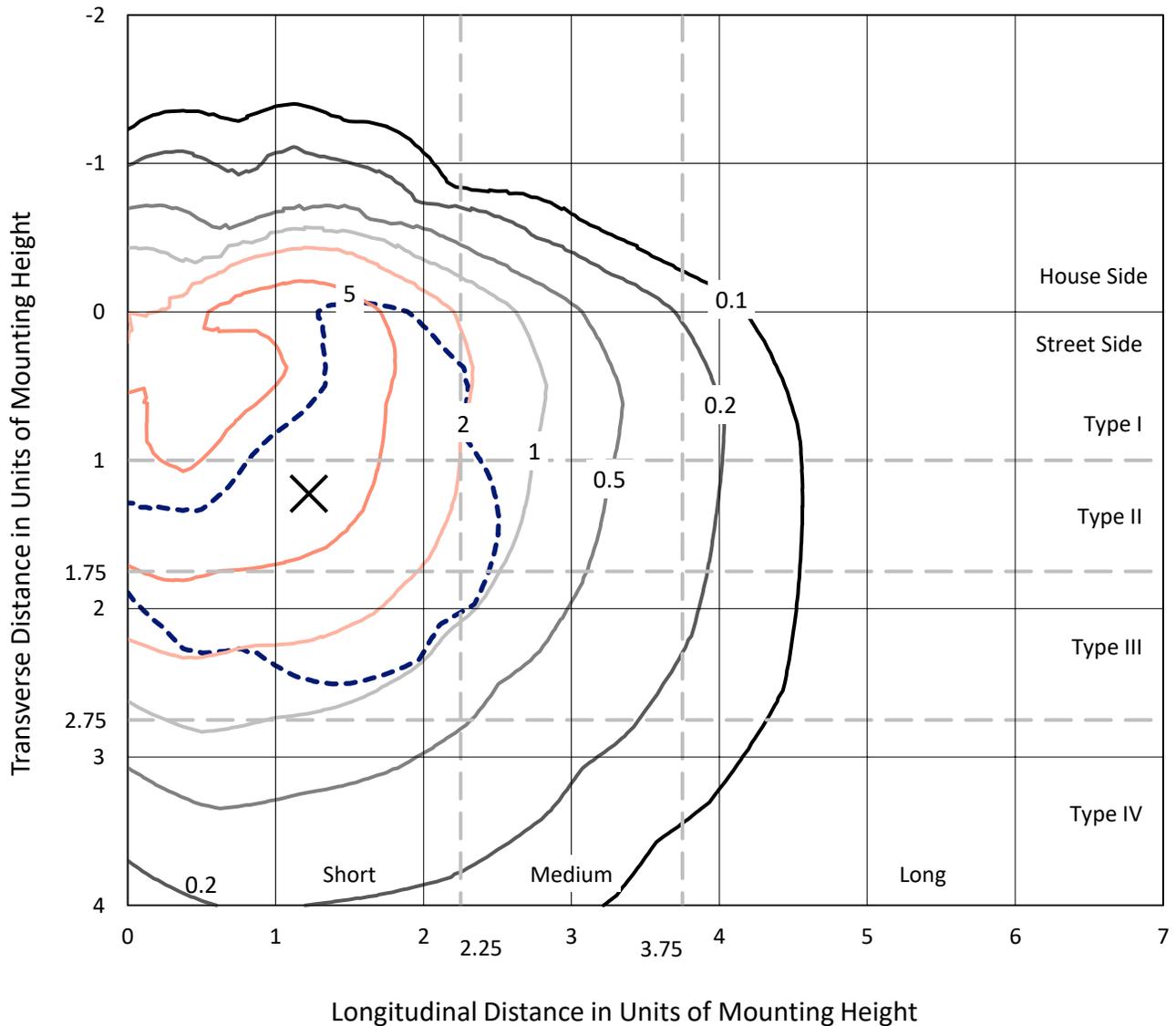
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

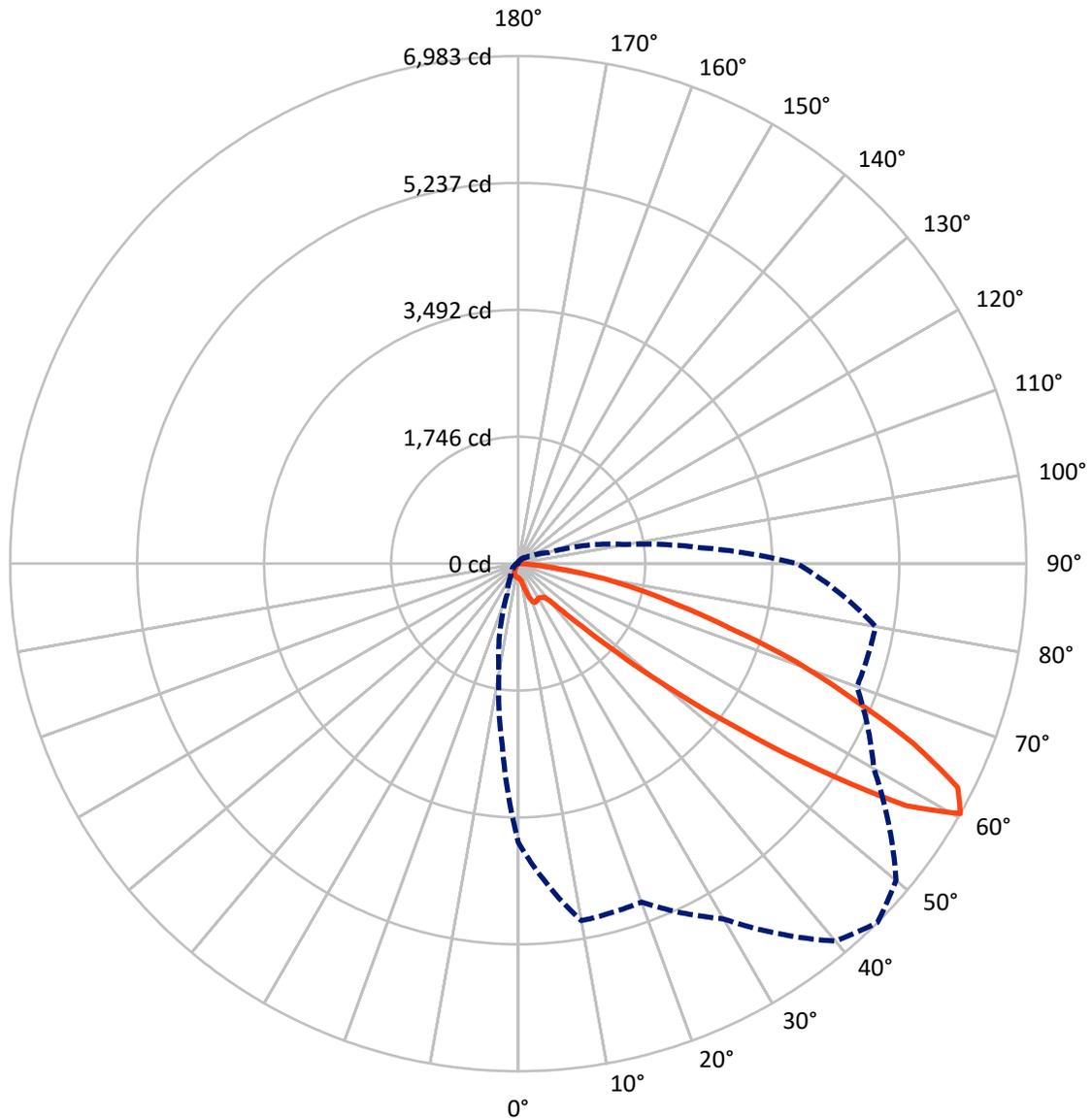
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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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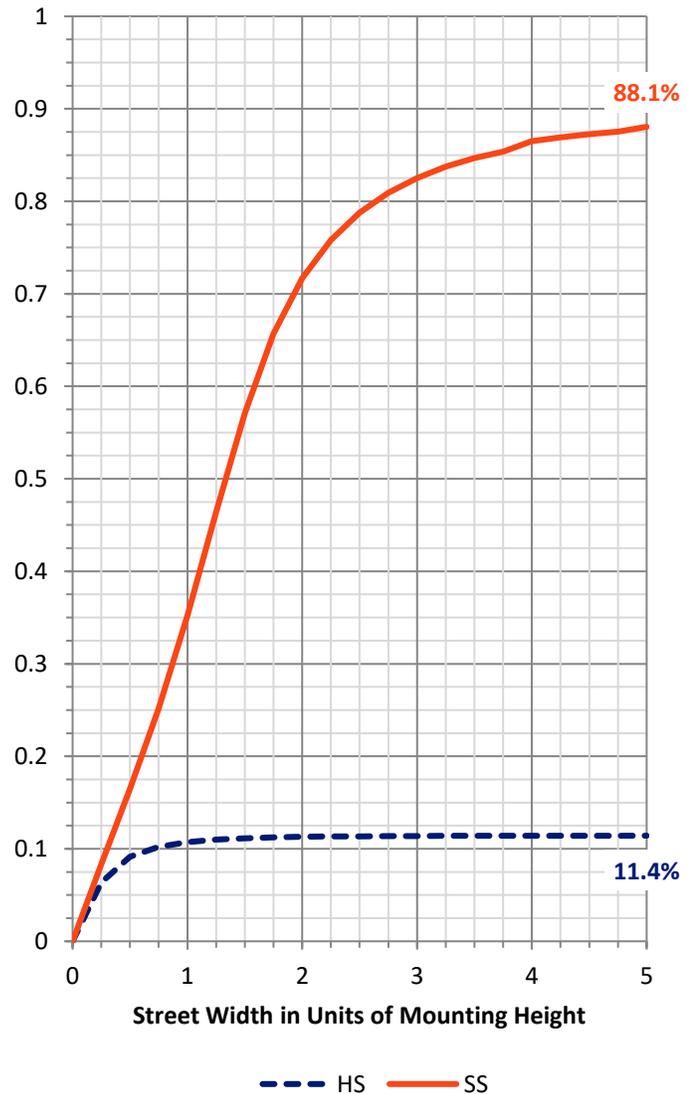
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.0	0.0	460.0
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3533.0	0.0	3533.0
	% Fixture	88.5	0.0	88.5
Total	Lumens	3993.0	0.0	3993.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.5
10°-20°	61.6	1.5
20°-30°	133.1	3.3
30°-40°	224.2	5.6
40°-50°	452.7	11.3
50°-60°	1164.4	29.2
60°-70°	1266.0	31.7
70°-80°	596.4	14.9
80°-90°	76.6	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°	3993.0	100.0
0°-180°	3993.0	100.0



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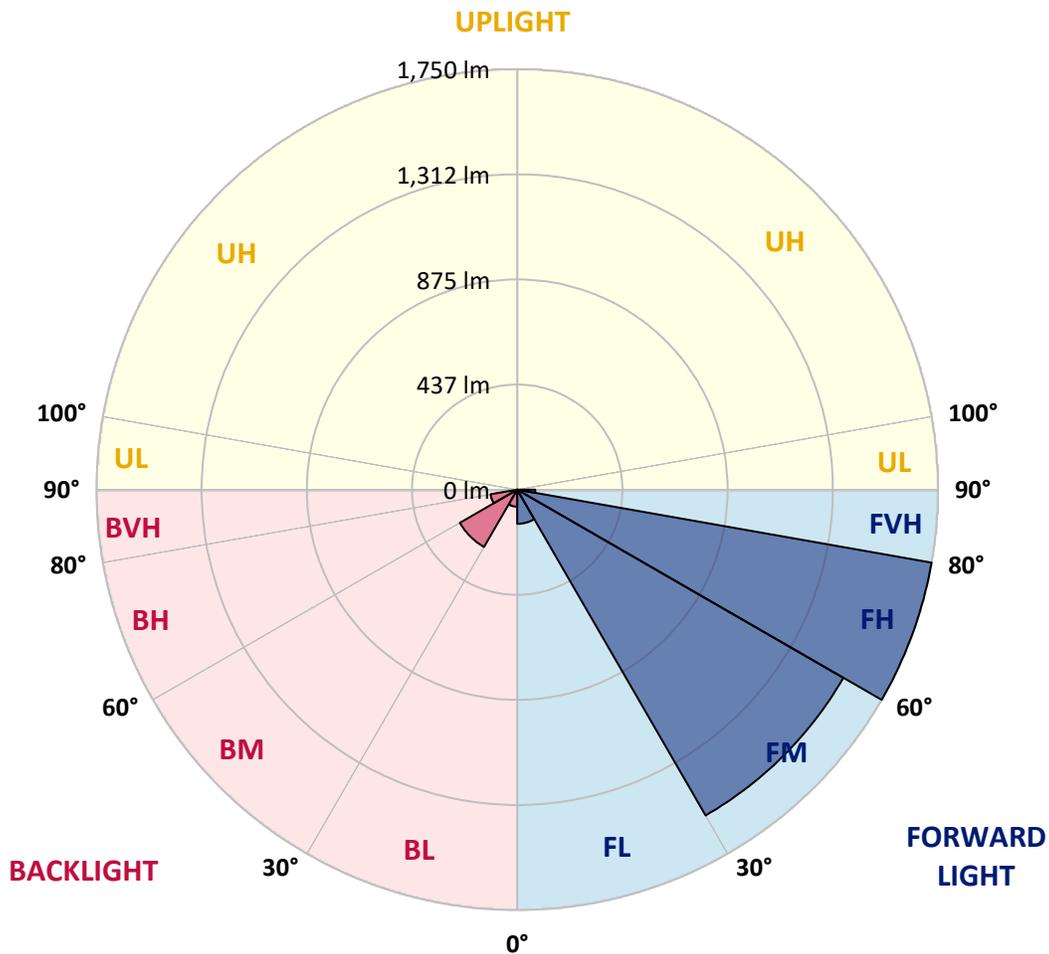
CATALOG NUMBER: UPW-SA1-060-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.1	3.6			
FM	(30°-60°)	1565.9	39.2			
FH	(60°-80°)	1749.8	43.8			G1/1800
FVH	(80°-90°)	75.2	1.9			G1/100
BL	(0°-30°)	70.7	1.8	B0/110		
BM	(30°-60°)	275.4	6.9	B1/1000		
BH	(60°-80°)	112.6	2.8	B1/500		G1/500
BVH	(80°-90°)	1.3	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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	199.9	200.6	201.2	202.0	203.0	203.4	203.9	204.1	204.3	202.7	204.3
5°	199.3	201.0	202.7	204.7	206.7	207.8	208.9	209.4	210.0	211.5	210.0
7.5°	192.8	197.2	201.4	205.4	209.3	212.3	215.4	218.0	220.6	222.3	220.6
10°	193.5	201.4	209.3	217.0	224.7	230.6	236.5	240.5	244.5	246.7	244.5
12.5°	207.7	220.6	233.3	246.2	259.0	271.2	283.3	291.4	299.4	305.0	299.4
15°	237.2	261.3	285.3	307.8	330.4	349.2	368.0	378.0	388.0	389.0	388.0
17.5°	296.9	332.0	367.2	397.1	427.0	447.0	467.0	476.5	486.1	488.7	486.1
20°	373.8	418.1	462.2	490.4	518.6	532.1	545.5	550.5	555.5	552.4	555.5
22.5°	464.3	511.2	558.2	577.5	596.8	595.5	594.3	590.1	585.9	578.8	585.9
25°	573.7	612.7	651.7	647.6	643.6	627.0	610.5	596.6	582.6	576.1	582.6
27.5°	685.2	706.3	727.4	698.5	669.6	638.2	606.8	588.1	569.4	557.8	569.4
30°	818.4	804.8	791.1	739.7	688.3	648.5	608.6	586.6	564.5	551.0	564.5
32.5°	958.0	909.9	861.8	788.5	715.2	668.9	622.5	597.0	571.4	555.1	571.4
35°	1085.5	1006.6	927.7	834.9	742.0	692.2	642.4	612.9	583.4	570.7	583.4
37.5°	1227.8	1108.9	990.1	877.5	764.9	710.5	656.1	629.0	601.9	588.3	601.9
40°	1378.3	1222.0	1065.8	934.3	802.6	754.8	706.9	689.2	671.4	667.6	671.4
42.5°	1561.3	1369.4	1177.4	1036.7	896.0	873.4	850.8	856.8	862.7	887.2	862.7
45°	1892.0	1657.6	1423.2	1264.3	1105.5	1113.9	1122.3	1168.4	1214.7	1241.7	1214.7
47.5°	2374.6	2119.7	1864.7	1662.0	1459.3	1515.7	1572.1	1684.2	1796.4	1820.5	1796.4
50°	3014.1	2743.1	2472.0	2219.0	1965.9	2084.9	2203.8	2418.1	2632.4	2667.8	2632.4
52.5°	3591.6	3382.5	3173.5	2877.5	2581.3	2783.3	2985.3	3299.8	3614.5	3710.9	3614.5
55°	3959.6	4027.9	4096.2	3785.4	3474.6	3721.0	3967.2	4381.7	4796.3	4981.0	4796.3
57.5°	4087.7	4491.4	4895.1	4677.4	4459.8	4714.0	4968.1	5480.4	5992.7	6284.4	5992.7
60°	3832.2	4409.9	4987.7	4970.6	4953.6	5298.5	5643.3	6211.5	6779.6	6983.2	6779.6
62.5°	3410.3	3886.7	4363.2	4449.8	4536.4	5022.3	5508.2	6038.8	6569.3	6777.8	6569.3
65°	2916.2	3342.4	3768.6	3835.6	3902.5	4421.3	4940.2	5419.4	5898.6	5969.2	5898.6
67.5°	2498.6	2930.1	3361.5	3403.6	3445.7	3887.1	4328.5	4683.7	5039.0	4951.9	5039.0
70°	2061.8	2518.0	2974.2	3044.0	3113.7	3426.2	3738.6	3946.3	4154.0	4049.1	4154.0
72.5°	1571.4	2033.5	2495.6	2560.0	2624.4	2841.3	3058.3	3161.0	3263.7	3056.8	3263.7
75°	1095.0	1492.1	1889.1	1973.7	2058.3	2210.4	2362.6	2404.0	2445.3	2254.3	2445.3
77.5°	587.3	853.5	1119.7	1269.6	1419.4	1584.4	1749.4	1769.0	1788.7	1661.9	1788.7
80°	172.8	294.8	416.8	593.0	769.1	967.3	1165.6	1175.2	1184.8	1090.6	1184.8
82.5°	52.2	105.1	158.1	280.6	403.1	547.2	691.3	677.8	664.2	568.7	664.2
85°	11.5	36.6	61.7	136.2	210.8	276.6	342.4	315.6	288.9	234.5	288.9
87.5°	1.7	10.1	18.4	48.5	78.6	94.9	111.2	90.8	70.4	63.7	70.4
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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	204.1	203.9	203.4	203.0	202.0	201.2	200.6	199.9	200.6	200.1	199.3
5°	209.4	208.9	207.8	206.7	204.7	202.7	201.0	199.3	196.7	194.7	193.3
7.5°	218.0	215.4	212.3	209.3	205.4	201.4	197.2	192.8	190.2	187.7	185.7
10°	240.5	236.5	230.6	224.7	217.0	209.3	201.4	193.5	190.3	186.1	182.9
12.5°	291.4	283.3	271.2	259.0	246.2	233.3	220.6	207.7	199.7	191.0	184.5
15°	378.0	368.0	349.2	330.4	307.8	285.3	261.3	237.2	220.8	205.0	193.0
17.5°	476.5	467.0	447.0	427.0	397.1	367.2	332.0	296.9	261.0	230.8	208.8
20°	550.5	545.5	532.1	518.6	490.4	462.2	418.1	373.8	319.0	269.8	233.8
22.5°	590.1	594.3	595.5	596.8	577.5	558.2	511.2	464.3	397.9	328.6	273.7
25°	596.6	610.5	627.0	643.6	647.6	651.7	612.7	573.7	492.4	398.7	320.9
27.5°	588.1	606.8	638.2	669.6	698.5	727.4	706.3	685.2	599.1	488.3	385.4
30°	586.6	608.6	648.5	688.3	739.7	791.1	804.8	818.4	721.1	588.2	457.6
32.5°	597.0	622.5	668.9	715.2	788.5	861.8	909.9	958.0	854.9	699.6	538.6
35°	612.9	642.4	692.2	742.0	834.9	927.7	1006.6	1085.5	991.1	821.3	630.7
37.5°	629.0	656.1	710.5	764.9	877.5	990.1	1108.9	1227.8	1140.6	958.2	734.8
40°	689.2	706.9	754.8	802.6	934.3	1065.8	1222.0	1378.3	1304.7	1103.8	842.6
42.5°	856.8	850.8	873.4	896.0	1036.7	1177.4	1369.4	1561.3	1479.3	1250.0	947.3
45°	1168.4	1122.3	1113.9	1105.5	1264.3	1423.2	1657.6	1892.0	1730.6	1426.6	1062.2
47.5°	1684.2	1572.1	1515.7	1459.3	1662.0	1864.7	2119.7	2374.6	2105.2	1653.0	1190.8
50°	2418.1	2203.8	2084.9	1965.9	2219.0	2472.0	2743.1	3014.1	2545.5	1889.0	1314.2
52.5°	3299.8	2985.3	2783.3	2581.3	2877.5	3173.5	3382.5	3591.6	2861.3	2019.8	1367.2
55°	4381.7	3967.2	3721.0	3474.6	3785.4	4096.2	4027.9	3959.6	2981.2	2020.6	1341.1
57.5°	5480.4	4968.1	4714.0	4459.8	4677.4	4895.1	4491.4	4087.7	2830.1	1833.9	1207.9
60°	6211.5	5643.3	5298.5	4953.6	4970.6	4987.7	4409.9	3832.2	2517.8	1515.5	978.4
62.5°	6038.8	5508.2	5022.3	4536.4	4449.8	4363.2	3886.7	3410.3	2144.6	1224.9	776.1
65°	5419.4	4940.2	4421.3	3902.5	3835.6	3768.6	3342.4	2916.2	1795.4	988.7	609.6
67.5°	4683.7	4328.5	3887.1	3445.7	3403.6	3361.5	2930.1	2498.6	1443.4	761.3	452.8
70°	3946.3	3738.6	3426.2	3113.7	3044.0	2974.2	2518.0	2061.8	1117.9	570.7	336.0
72.5°	3161.0	3058.3	2841.3	2624.4	2560.0	2495.6	2033.5	1571.4	771.1	376.5	223.4
75°	2404.0	2362.6	2210.4	2058.3	1973.7	1889.1	1492.1	1095.0	492.5	231.8	140.4
77.5°	1769.0	1749.4	1584.4	1419.4	1269.6	1119.7	853.5	587.3	258.0	121.7	76.5
80°	1175.2	1165.6	967.3	769.1	593.0	416.8	294.8	172.8	78.3	41.9	30.6
82.5°	677.8	691.3	547.2	403.1	280.6	158.1	105.1	52.2	23.9	14.9	12.7
85°	315.6	342.4	276.6	210.8	136.2	61.7	36.6	11.5	5.8	4.6	4.2
87.5°	90.8	111.2	94.9	78.6	48.5	18.4	10.1	1.7	0.3	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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	198.5	198.0	197.8	197.5	197.2	196.6	196.3	196.5	196.7	196.4	196.0
5°	191.9	190.7	189.4	188.1	186.7	185.7	184.1	184.1	184.0	184.5	185.0
7.5°	183.7	182.0	180.3	179.1	177.9	177.2	177.0	175.8	174.7	174.7	174.7
10°	179.6	177.6	175.5	173.6	171.8	170.1	170.5	169.7	168.9	168.4	168.0
12.5°	178.1	174.8	171.5	169.4	167.4	166.1	165.2	164.2	163.2	162.6	162.0
15°	181.0	175.2	169.4	166.8	164.2	162.0	159.1	158.5	157.9	157.2	156.4
17.5°	186.9	177.0	167.3	163.7	160.1	157.6	156.0	154.4	152.8	151.5	150.1
20°	197.8	181.9	166.1	161.2	156.2	153.9	151.4	149.3	147.2	145.4	143.6
22.5°	218.8	192.9	167.1	159.4	151.8	148.4	144.5	142.6	140.8	138.6	136.4
25°	243.2	205.0	166.7	156.0	145.4	141.7	139.5	136.8	134.2	131.8	129.3
27.5°	282.5	225.7	168.9	154.4	139.8	135.2	132.9	130.4	128.0	125.4	122.8
30°	327.2	250.6	174.1	154.1	134.2	128.4	126.3	124.2	122.0	119.4	116.7
32.5°	377.5	278.7	180.0	155.1	130.1	124.0	120.1	117.7	115.2	112.9	110.5
35°	440.0	314.4	188.6	155.8	123.0	116.2	112.9	110.9	108.8	106.1	103.6
37.5°	511.4	354.2	197.1	156.5	115.9	108.4	106.3	104.6	103.0	100.2	97.5
40°	581.5	393.4	205.2	157.7	110.1	102.0	99.4	98.2	97.1	94.3	91.6
42.5°	644.6	428.5	212.5	159.7	107.0	94.2	92.9	91.4	90.0	87.4	84.9
45°	697.8	458.3	218.9	163.6	108.3	87.4	85.1	83.8	82.6	80.8	79.2
47.5°	728.6	476.5	224.3	169.5	114.7	83.0	76.3	75.5	74.7	74.2	73.7
50°	739.3	484.5	229.8	178.3	126.9	87.4	73.9	71.1	68.3	68.3	68.3
52.5°	714.5	471.2	227.9	183.8	139.8	102.3	78.0	69.9	61.8	61.7	61.5
55°	661.5	439.9	218.4	184.5	150.6	123.0	88.2	72.4	56.6	55.2	53.7
57.5°	581.9	396.4	210.9	178.6	146.3	131.2	96.4	75.1	53.7	49.6	45.5
60°	441.2	328.9	216.6	173.2	130.0	117.9	94.5	73.9	53.4	46.1	38.8
62.5°	327.2	261.9	196.6	154.3	112.0	93.5	84.4	69.5	54.6	44.3	34.0
65°	230.4	199.8	169.1	137.5	105.7	73.5	69.7	61.5	53.4	42.3	31.2
67.5°	144.4	130.7	117.1	103.4	89.6	61.3	54.4	48.5	42.6	35.0	27.5
70°	101.3	93.4	85.4	78.4	71.3	51.9	42.2	37.1	32.2	28.2	24.3
72.5°	70.4	64.7	59.0	55.3	51.6	42.7	32.7	28.2	23.7	21.3	18.8
75°	48.9	44.7	40.5	37.2	33.9	28.1	21.3	18.0	14.8	13.5	12.2
77.5°	31.2	27.9	24.7	22.0	19.1	17.6	13.2	11.4	9.5	9.1	8.7
80°	19.3	17.1	14.9	12.7	10.5	9.8	6.8	6.0	5.3	5.3	5.3
82.5°	10.5	9.2	8.0	6.4	4.9	4.1	2.8	2.4	2.0	2.0	2.0
85°	3.9	3.4	2.8	2.3	1.7	1.0	0.4	0.5	0.7	0.6	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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	195.5	194.9	195.3	195.9	195.3	194.7	194.8	194.9	194.2	193.5	192.8
5°	185.1	185.2	186.0	186.7	187.0	187.2	187.5	187.7	187.9	188.1	188.2
7.5°	174.9	175.0	175.5	175.9	176.5	177.0	178.5	180.0	180.7	181.5	182.4
10°	167.5	167.3	168.7	170.1	170.5	170.9	172.7	174.3	175.3	176.2	177.0
12.5°	161.3	160.6	161.3	162.0	163.3	164.6	167.0	169.4	171.3	173.2	173.6
15°	155.8	155.1	155.6	156.2	156.9	157.6	160.0	162.5	164.6	166.7	167.8
17.5°	149.0	147.8	147.2	146.7	149.0	151.1	153.2	155.3	157.6	159.8	161.7
20°	142.1	140.6	140.3	140.0	140.9	141.8	144.5	147.2	149.9	152.6	153.5
22.5°	134.3	132.3	131.8	131.2	131.6	132.2	133.5	134.9	136.9	138.9	140.4
25°	127.2	125.1	123.4	121.7	121.7	121.9	122.6	123.4	124.1	124.8	125.7
27.5°	120.4	117.9	115.8	113.5	112.6	111.8	111.1	110.3	110.1	109.9	109.8
30°	113.8	110.8	108.4	106.1	103.6	101.1	99.6	97.9	96.2	94.6	93.3
32.5°	107.6	104.7	100.4	96.2	93.7	91.2	88.2	85.3	82.1	79.2	77.1
35°	100.3	97.1	93.1	89.1	84.8	80.5	76.2	71.8	67.8	63.7	61.4
37.5°	93.5	89.5	85.3	81.0	75.0	69.0	64.0	59.0	54.8	50.7	48.3
40°	87.0	82.4	76.6	70.8	64.3	57.7	52.3	46.9	43.0	39.0	36.9
42.5°	80.4	75.9	69.3	62.7	55.5	48.3	42.6	36.9	33.6	30.2	28.3
45°	74.0	69.0	61.3	53.5	46.8	40.0	35.1	30.2	27.0	23.7	22.3
47.5°	68.3	62.9	54.8	46.8	40.3	33.9	29.3	24.7	21.8	18.8	17.5
50°	62.8	57.3	49.1	41.0	35.1	29.1	25.1	21.0	18.2	15.5	14.1
52.5°	56.7	51.9	43.9	35.9	31.2	26.6	22.7	18.8	15.9	12.9	11.5
55°	49.4	45.1	38.5	31.9	27.7	23.4	19.9	16.4	13.3	10.2	8.7
57.5°	42.0	38.3	32.7	27.1	23.6	20.0	16.7	13.4	10.4	7.5	6.2
60°	35.5	32.2	27.5	22.7	19.2	15.7	12.9	10.0	7.4	4.7	3.5
62.5°	30.6	27.2	22.6	18.0	15.2	12.3	9.8	7.3	4.8	2.4	1.3
65°	27.0	22.9	18.9	14.9	11.9	8.8	6.5	4.2	2.6	0.8	0.4
67.5°	23.0	18.4	14.6	10.8	8.2	5.6	3.7	1.7	0.8	0.0	0.0
70°	19.3	14.4	10.2	6.1	4.1	2.0	1.2	0.3	0.1	0.0	0.0
72.5°	14.6	10.5	6.6	2.7	1.8	0.8	0.5	0.1	0.1	0.0	0.0
75°	9.8	7.3	4.7	2.0	1.3	0.5	0.3	0.0	0.0	0.0	0.0
77.5°	7.2	5.8	3.5	1.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0
80°	4.3	3.4	2.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	1.4	0.7	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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	191.9	191.8	191.9	192.8	193.5	194.2	194.9	194.8	194.7	195.3	195.9
5°	188.3	188.4	188.3	188.2	188.1	187.9	187.7	187.5	187.2	187.0	186.7
7.5°	183.3	185.0	183.3	182.4	181.5	180.7	180.0	178.5	177.0	176.5	175.9
10°	177.7	178.9	177.7	177.0	176.2	175.3	174.3	172.7	170.9	170.5	170.1
12.5°	174.1	174.2	174.1	173.6	173.2	171.3	169.4	167.0	164.6	163.3	162.0
15°	168.8	169.4	168.8	167.8	166.7	164.6	162.5	160.0	157.6	156.9	156.2
17.5°	163.7	164.7	163.7	161.7	159.8	157.6	155.3	153.2	151.1	149.0	146.7
20°	154.4	153.9	154.4	153.5	152.6	149.9	147.2	144.5	141.8	140.9	140.0
22.5°	142.0	143.7	142.0	140.4	138.9	136.9	134.9	133.5	132.2	131.6	131.2
25°	126.6	127.4	126.6	125.7	124.8	124.1	123.4	122.6	121.9	121.7	121.7
27.5°	109.7	109.1	109.7	109.8	109.9	110.1	110.3	111.1	111.8	112.6	113.5
30°	92.0	91.5	92.0	93.3	94.6	96.2	97.9	99.6	101.1	103.6	106.1
32.5°	75.1	73.9	75.1	77.1	79.2	82.1	85.3	88.2	91.2	93.7	96.2
35°	59.1	58.3	59.1	61.4	63.7	67.8	71.8	76.2	80.5	84.8	89.1
37.5°	46.0	44.7	46.0	48.3	50.7	54.8	59.0	64.0	69.0	75.0	81.0
40°	34.9	33.9	34.9	36.9	39.0	43.0	46.9	52.3	57.7	64.3	70.8
42.5°	26.4	25.1	26.4	28.3	30.2	33.6	36.9	42.6	48.3	55.5	62.7
45°	20.9	20.3	20.9	22.3	23.7	27.0	30.2	35.1	40.0	46.8	53.5
47.5°	16.1	15.6	16.1	17.5	18.8	21.8	24.7	29.3	33.9	40.3	46.8
50°	12.7	12.2	12.7	14.1	15.5	18.2	21.0	25.1	29.1	35.1	41.0
52.5°	10.2	9.5	10.2	11.5	12.9	15.9	18.8	22.7	26.6	31.2	35.9
55°	7.3	6.8	7.3	8.7	10.2	13.3	16.4	19.9	23.4	27.7	31.9
57.5°	5.1	4.7	5.1	6.2	7.5	10.4	13.4	16.7	20.0	23.6	27.1
60°	2.4	2.0	2.4	3.5	4.7	7.4	10.0	12.9	15.7	19.2	22.7
62.5°	0.1	0.0	0.1	1.3	2.4	4.8	7.3	9.8	12.3	15.2	18.0
65°	0.0	0.0	0.0	0.4	0.8	2.6	4.2	6.5	8.8	11.9	14.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.7	5.6	8.2	10.8
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.2	2.0	4.1	6.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.8	1.8	2.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.3	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	195.3	194.9	195.5	196.0	196.4	196.7	196.5	196.3	196.6	197.2	197.5
5°	186.0	185.2	185.1	185.0	184.5	184.0	184.1	184.1	185.7	186.7	188.1
7.5°	175.5	175.0	174.9	174.7	174.7	174.7	175.8	177.0	177.2	177.9	179.1
10°	168.7	167.3	167.5	168.0	168.4	168.9	169.7	170.5	170.1	171.8	173.6
12.5°	161.3	160.6	161.3	162.0	162.6	163.2	164.2	165.2	166.1	167.4	169.4
15°	155.6	155.1	155.8	156.4	157.2	157.9	158.5	159.1	162.0	164.2	166.8
17.5°	147.2	147.8	149.0	150.1	151.5	152.8	154.4	156.0	157.6	160.1	163.7
20°	140.3	140.6	142.1	143.6	145.4	147.2	149.3	151.4	153.9	156.2	161.2
22.5°	131.8	132.3	134.3	136.4	138.6	140.8	142.6	144.5	148.4	151.8	159.4
25°	123.4	125.1	127.2	129.3	131.8	134.2	136.8	139.5	141.7	145.4	156.0
27.5°	115.8	117.9	120.4	122.8	125.4	128.0	130.4	132.9	135.2	139.8	154.4
30°	108.4	110.8	113.8	116.7	119.4	122.0	124.2	126.3	128.4	134.2	154.1
32.5°	100.4	104.7	107.6	110.5	112.9	115.2	117.7	120.1	124.0	130.1	155.1
35°	93.1	97.1	100.3	103.6	106.1	108.8	110.9	112.9	116.2	123.0	155.8
37.5°	85.3	89.5	93.5	97.5	100.2	103.0	104.6	106.3	108.4	115.9	156.5
40°	76.6	82.4	87.0	91.6	94.3	97.1	98.2	99.4	102.0	110.1	157.7
42.5°	69.3	75.9	80.4	84.9	87.4	90.0	91.4	92.9	94.2	107.0	159.7
45°	61.3	69.0	74.0	79.2	80.8	82.6	83.8	85.1	87.4	108.3	163.6
47.5°	54.8	62.9	68.3	73.7	74.2	74.7	75.5	76.3	83.0	114.7	169.5
50°	49.1	57.3	62.8	68.3	68.3	68.3	71.1	73.9	87.4	126.9	178.3
52.5°	43.9	51.9	56.7	61.5	61.7	61.8	69.9	78.0	102.3	139.8	183.8
55°	38.5	45.1	49.4	53.7	55.2	56.6	72.4	88.2	123.0	150.6	184.5
57.5°	32.7	38.3	42.0	45.5	49.6	53.7	75.1	96.4	131.2	146.3	178.6
60°	27.5	32.2	35.5	38.8	46.1	53.4	73.9	94.5	117.9	130.0	173.2
62.5°	22.6	27.2	30.6	34.0	44.3	54.6	69.5	84.4	93.5	112.0	154.3
65°	18.9	22.9	27.0	31.2	42.3	53.4	61.5	69.7	73.5	105.7	137.5
67.5°	14.6	18.4	23.0	27.5	35.0	42.6	48.5	54.4	61.3	89.6	103.4
70°	10.2	14.4	19.3	24.3	28.2	32.2	37.1	42.2	51.9	71.3	78.4
72.5°	6.6	10.5	14.6	18.8	21.3	23.7	28.2	32.7	42.7	51.6	55.3
75°	4.7	7.3	9.8	12.2	13.5	14.8	18.0	21.3	28.1	33.9	37.2
77.5°	3.5	5.8	7.2	8.7	9.1	9.5	11.4	13.2	17.6	19.1	22.0
80°	2.0	3.4	4.3	5.3	5.3	5.3	6.0	6.8	9.8	10.5	12.7
82.5°	0.7	1.4	1.7	2.0	2.0	2.0	2.4	2.8	4.1	4.9	6.4
85°	0.1	0.1	0.3	0.5	0.6	0.7	0.5	0.4	1.0	1.7	2.3
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°	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	197.8	198.0	198.5	199.3	200.1	200.6	199.9
5°	189.4	190.7	191.9	193.3	194.7	196.7	199.3
7.5°	180.3	182.0	183.7	185.7	187.7	190.2	192.8
10°	175.5	177.6	179.6	182.9	186.1	190.3	193.5
12.5°	171.5	174.8	178.1	184.5	191.0	199.7	207.7
15°	169.4	175.2	181.0	193.0	205.0	220.8	237.2
17.5°	167.3	177.0	186.9	208.8	230.8	261.0	296.9
20°	166.1	181.9	197.8	233.8	269.8	319.0	373.8
22.5°	167.1	192.9	218.8	273.7	328.6	397.9	464.3
25°	166.7	205.0	243.2	320.9	398.7	492.4	573.7
27.5°	168.9	225.7	282.5	385.4	488.3	599.1	685.2
30°	174.1	250.6	327.2	457.6	588.2	721.1	818.4
32.5°	180.0	278.7	377.5	538.6	699.6	854.9	958.0
35°	188.6	314.4	440.0	630.7	821.3	991.1	1085.5
37.5°	197.1	354.2	511.4	734.8	958.2	1140.6	1227.8
40°	205.2	393.4	581.5	842.6	1103.8	1304.7	1378.3
42.5°	212.5	428.5	644.6	947.3	1250.0	1479.3	1561.3
45°	218.9	458.3	697.8	1062.2	1426.6	1730.6	1892.0
47.5°	224.3	476.5	728.6	1190.8	1653.0	2105.2	2374.6
50°	229.8	484.5	739.3	1314.2	1889.0	2545.5	3014.1
52.5°	227.9	471.2	714.5	1367.2	2019.8	2861.3	3591.6
55°	218.4	439.9	661.5	1341.1	2020.6	2981.2	3959.6
57.5°	210.9	396.4	581.9	1207.9	1833.9	2830.1	4087.7
60°	216.6	328.9	441.2	978.4	1515.5	2517.8	3832.2
62.5°	196.6	261.9	327.2	776.1	1224.9	2144.6	3410.3
65°	169.1	199.8	230.4	609.6	988.7	1795.4	2916.2
67.5°	117.1	130.7	144.4	452.8	761.3	1443.4	2498.6
70°	85.4	93.4	101.3	336.0	570.7	1117.9	2061.8
72.5°	59.0	64.7	70.4	223.4	376.5	771.1	1571.4
75°	40.5	44.7	48.9	140.4	231.8	492.5	1095.0
77.5°	24.7	27.9	31.2	76.5	121.7	258.0	587.3
80°	14.9	17.1	19.3	30.6	41.9	78.3	172.8
82.5°	8.0	9.2	10.5	12.7	14.9	23.9	52.2
85°	2.8	3.4	3.9	4.2	4.6	5.8	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)