

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: P1208776

Luminaire Tested: UPW-SA2-070-730-U-SLL-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-730-U-SLL-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR  
LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5600 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

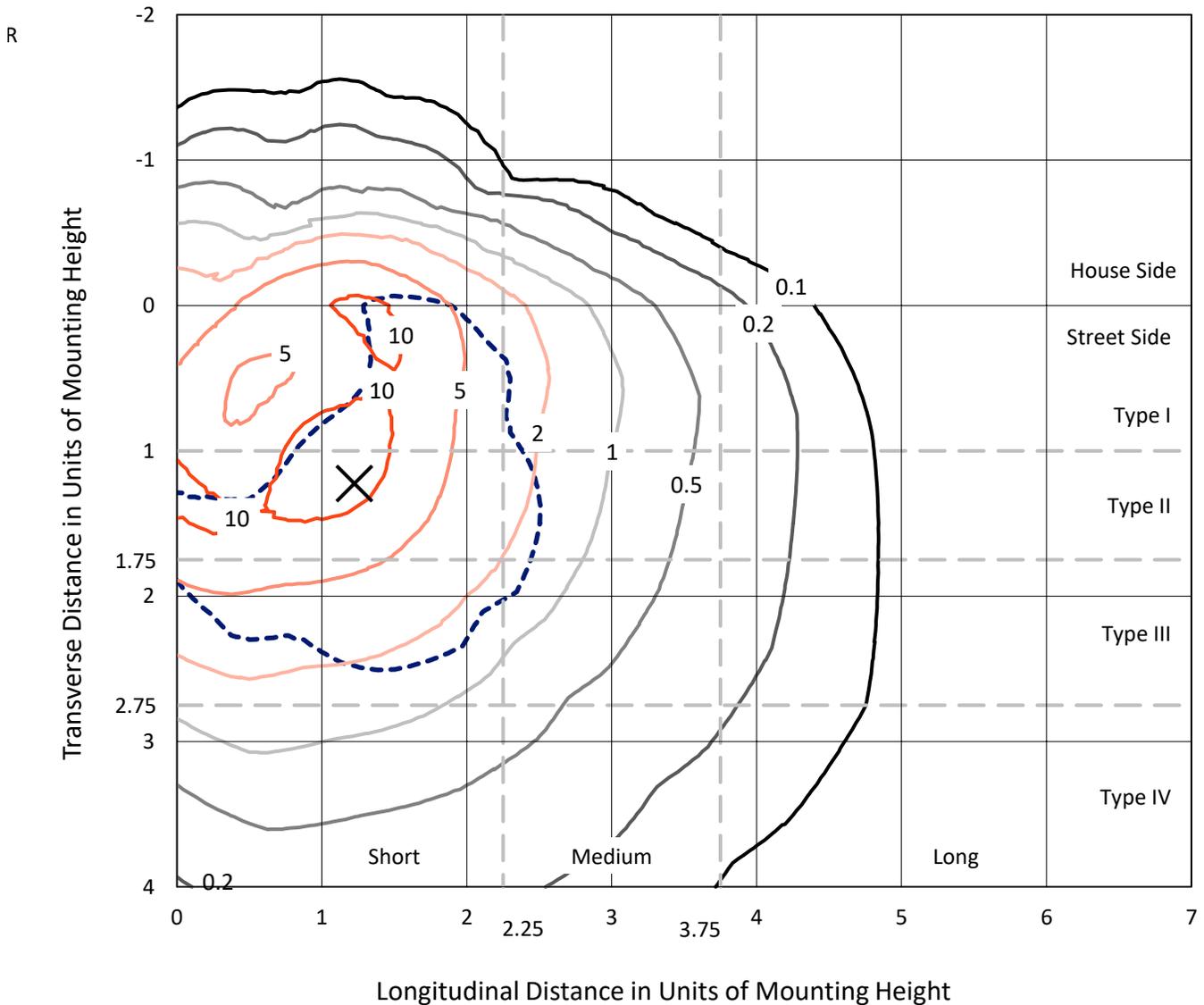
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

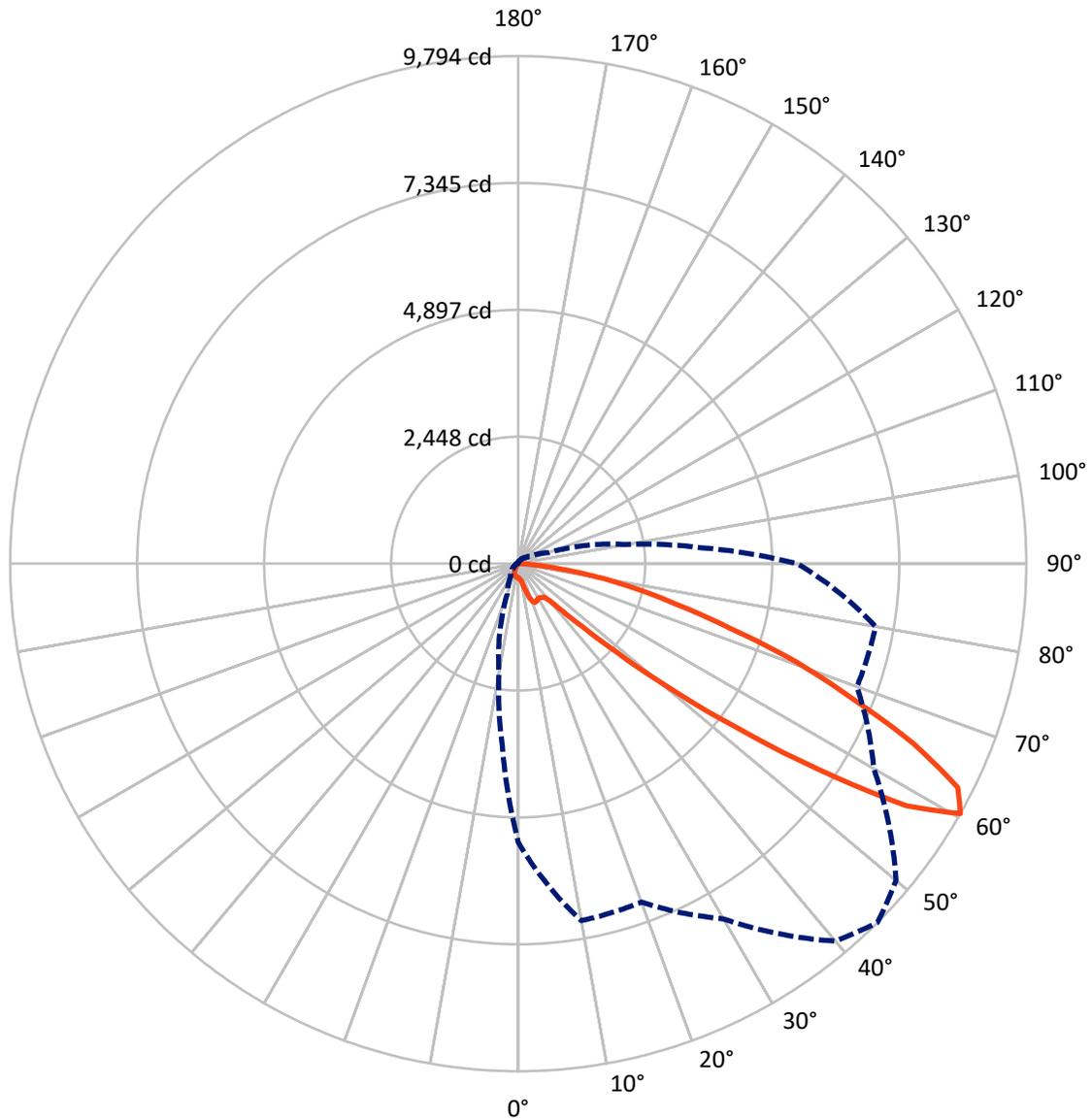
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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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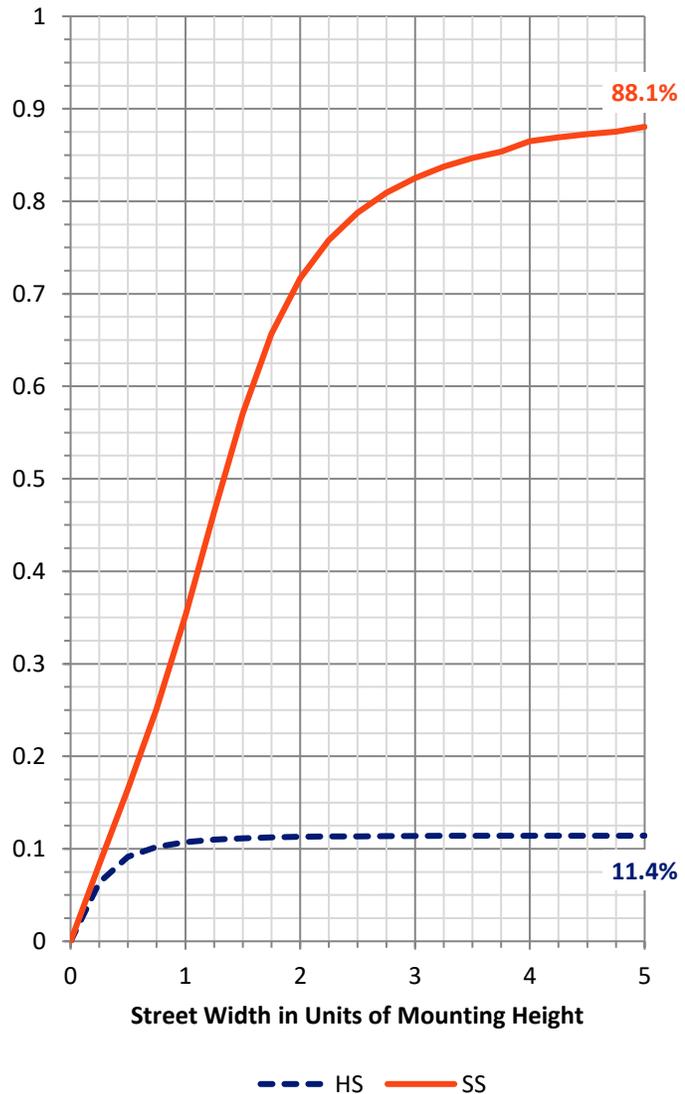
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	645.2	0.0	645.2
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	4954.9	0.0	4954.9
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	5600.0	0.0	5600.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.5	0.5
10°-20°	86.4	1.5
20°-30°	186.6	3.3
30°-40°	314.4	5.6
40°-50°	634.9	11.3
50°-60°	1633.0	29.2
60°-70°	1775.5	31.7
70°-80°	836.4	14.9
80°-90°	107.4	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°	5600.0	100.0
0°-180°	5600.0	100.0



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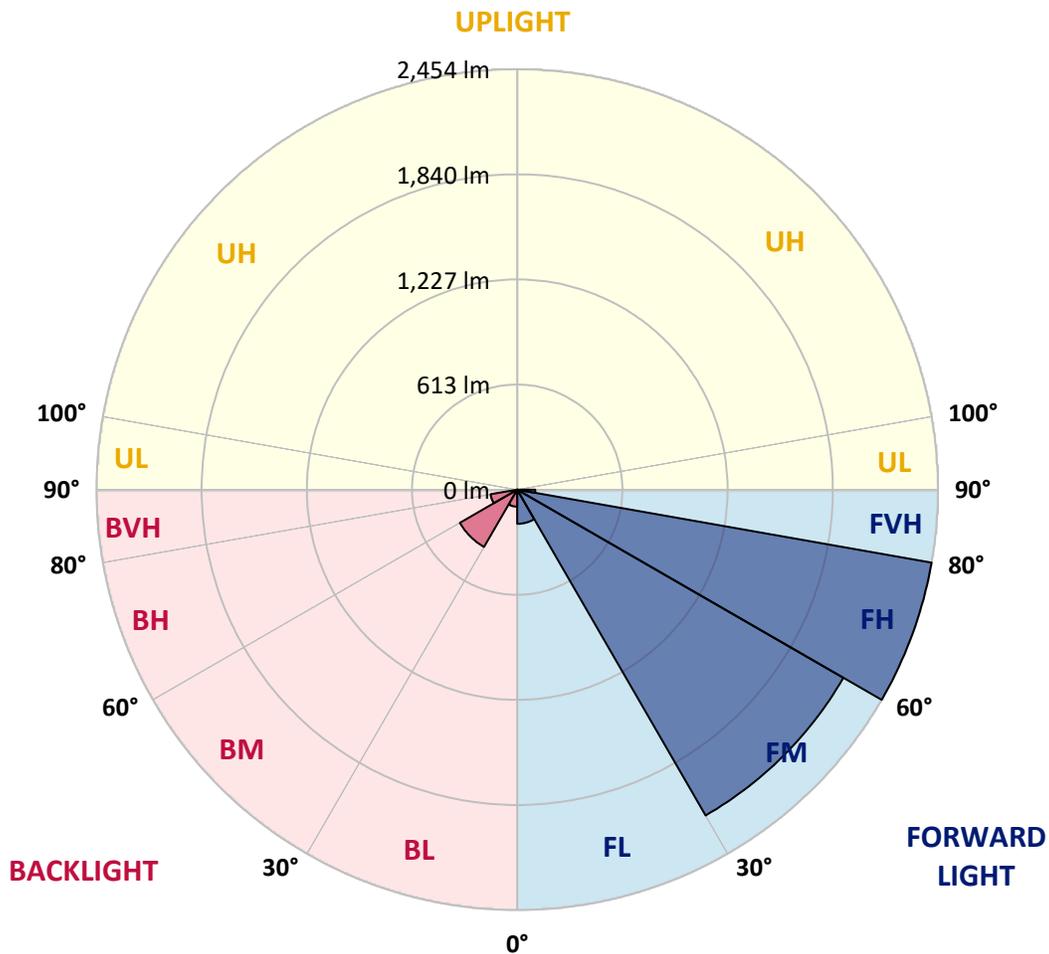
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.3	3.6			
FM	(30°-60°)	2196.1	39.2			
FH	(60°-80°)	2453.9	43.8			G2/5000
FVH	(80°-90°)	105.5	1.9			G2/225
BL	(0°-30°)	99.2	1.8	B0/110		
BM	(30°-60°)	386.2	6.9	B1/1000		
BH	(60°-80°)	157.9	2.8	B1/500		G1/500
BVH	(80°-90°)	1.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	280.4	281.3	282.1	283.4	284.7	285.3	285.9	286.2	286.5	284.2	286.5
5°	279.5	281.8	284.2	287.1	289.9	291.4	293.0	293.7	294.5	296.6	294.5
7.5°	270.4	276.5	282.5	288.0	293.5	297.7	302.1	305.7	309.3	311.8	309.3
10°	271.4	282.4	293.5	304.3	315.1	323.4	331.7	337.4	343.0	346.0	343.0
12.5°	291.3	309.3	327.2	345.2	363.3	380.3	397.3	408.6	420.0	427.8	420.0
15°	332.7	366.4	400.2	431.7	463.4	489.7	516.2	530.1	544.1	545.6	544.1
17.5°	416.3	465.7	515.0	556.9	598.9	626.9	654.9	668.3	681.7	685.4	681.7
20°	524.2	586.3	648.3	687.8	727.4	746.2	765.0	772.0	779.1	774.7	779.1
22.5°	651.1	716.9	782.8	809.9	837.0	835.2	833.4	827.6	821.7	811.8	821.7
25°	804.6	859.3	914.0	908.3	902.6	879.4	856.3	836.7	817.1	808.0	817.1
27.5°	961.0	990.6	1020.1	979.6	939.2	895.0	850.9	824.8	798.6	782.3	798.6
30°	1147.8	1128.7	1109.5	1037.4	965.3	909.5	853.6	822.6	791.6	772.8	791.6
32.5°	1343.6	1276.1	1208.6	1105.9	1003.0	938.1	873.1	837.3	801.3	778.5	801.3
35°	1522.3	1411.7	1301.1	1170.9	1040.7	970.7	900.9	859.5	818.2	800.4	818.2
37.5°	1721.9	1555.2	1388.6	1230.6	1072.7	996.4	920.1	882.1	844.2	825.1	844.2
40°	1933.0	1713.9	1494.8	1310.2	1125.7	1058.5	991.4	966.5	941.6	936.3	941.6
42.5°	2189.6	1920.5	1651.3	1454.0	1256.6	1224.9	1193.1	1201.6	1210.0	1244.3	1210.0
45°	2653.5	2324.7	1996.0	1773.2	1550.4	1562.1	1573.9	1638.7	1703.5	1741.4	1703.5
47.5°	3330.3	2972.8	2615.2	2330.9	2046.6	2125.6	2204.8	2362.0	2519.4	2553.2	2519.4
50°	4227.1	3847.0	3466.9	3112.0	2757.1	2923.9	3090.7	3391.3	3691.8	3741.4	3691.8
52.5°	5037.0	4743.9	4450.7	4035.5	3620.2	3903.5	4186.7	4627.9	5069.1	5204.3	5069.1
55°	5553.2	5649.0	5744.7	5308.9	4873.0	5218.5	5563.8	6145.2	6726.5	6985.7	6726.5
57.5°	5732.8	6299.0	6865.1	6559.9	6254.7	6611.1	6967.6	7686.0	8404.5	8813.6	8404.5
60°	5374.5	6184.7	6995.0	6971.0	6947.2	7430.9	7914.5	8711.3	9508.1	9793.6	9508.1
62.5°	4782.7	5451.0	6119.2	6240.6	6362.1	7043.5	7725.0	8469.1	9213.2	9505.6	9213.2
65°	4089.8	4687.6	5285.3	5379.2	5473.1	6200.7	6928.4	7600.5	8272.5	8371.6	8272.5
67.5°	3504.2	4109.3	4714.3	4773.3	4832.4	5451.5	6070.5	6568.7	7067.0	6944.8	7067.0
70°	2891.6	3531.4	4171.2	4269.1	4366.9	4805.1	5243.3	5534.5	5825.8	5678.6	5825.8
72.5°	2203.9	2851.9	3500.0	3590.3	3680.6	3984.8	4289.1	4433.2	4577.1	4287.0	4577.1
75°	1535.6	2092.6	2649.4	2768.0	2886.7	3100.0	3313.5	3371.4	3429.4	3161.6	3429.4
77.5°	823.7	1196.9	1570.3	1780.5	1990.7	2222.0	2453.4	2481.0	2508.5	2330.8	2508.5
80°	242.4	413.5	584.6	831.6	1078.7	1356.6	1634.8	1648.2	1661.6	1529.4	1661.6
82.5°	73.2	147.4	221.7	393.5	565.4	767.5	969.6	950.6	931.5	797.5	931.5
85°	16.2	51.3	86.5	191.1	295.6	387.9	480.2	442.7	405.1	328.9	405.1
87.5°	2.4	14.2	25.9	68.1	110.3	133.1	155.9	127.3	98.7	89.4	98.7
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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	286.2	285.9	285.3	284.7	283.4	282.1	281.3	280.4	281.4	280.6	279.5
5°	293.7	293.0	291.4	289.9	287.1	284.2	281.8	279.5	275.9	273.0	271.1
7.5°	305.7	302.1	297.7	293.5	288.0	282.5	276.5	270.4	266.7	263.3	260.5
10°	337.4	331.7	323.4	315.1	304.3	293.5	282.4	271.4	266.8	260.9	256.5
12.5°	408.6	397.3	380.3	363.3	345.2	327.2	309.3	291.3	280.1	267.9	258.7
15°	530.1	516.2	489.7	463.4	431.7	400.2	366.4	332.7	309.7	287.5	270.7
17.5°	668.3	654.9	626.9	598.9	556.9	515.0	465.7	416.3	366.1	323.7	292.9
20°	772.0	765.0	746.2	727.4	687.8	648.3	586.3	524.2	447.3	378.3	327.8
22.5°	827.6	833.4	835.2	837.0	809.9	782.8	716.9	651.1	558.0	460.8	383.8
25°	836.7	856.3	879.4	902.6	908.3	914.0	859.3	804.6	690.6	559.1	450.1
27.5°	824.8	850.9	895.0	939.2	979.6	1020.1	990.6	961.0	840.2	684.9	540.5
30°	822.6	853.6	909.5	965.3	1037.4	1109.5	1128.7	1147.8	1011.3	824.9	641.8
32.5°	837.3	873.1	938.1	1003.0	1105.9	1208.6	1276.1	1343.6	1198.9	981.2	755.3
35°	859.5	900.9	970.7	1040.7	1170.9	1301.1	1411.7	1522.3	1389.9	1151.9	884.5
37.5°	882.1	920.1	996.4	1072.7	1230.6	1388.6	1555.2	1721.9	1599.7	1343.9	1030.5
40°	966.5	991.4	1058.5	1125.7	1310.2	1494.8	1713.9	1933.0	1829.8	1548.0	1181.7
42.5°	1201.6	1193.1	1224.9	1256.6	1454.0	1651.3	1920.5	2189.6	2074.7	1753.0	1328.5
45°	1638.7	1573.9	1562.1	1550.4	1773.2	1996.0	2324.7	2653.5	2427.2	2000.7	1489.6
47.5°	2362.0	2204.8	2125.6	2046.6	2330.9	2615.2	2972.8	3330.3	2952.4	2318.2	1670.0
50°	3391.3	3090.7	2923.9	2757.1	3112.0	3466.9	3847.0	4227.1	3570.0	2649.2	1843.0
52.5°	4627.9	4186.7	3903.5	3620.2	4035.5	4450.7	4743.9	5037.0	4012.8	2832.7	1917.4
55°	6145.2	5563.8	5218.5	4873.0	5308.9	5744.7	5649.0	5553.2	4181.0	2833.8	1880.8
57.5°	7686.0	6967.6	6611.1	6254.7	6559.9	6865.1	6299.0	5732.8	3969.1	2572.0	1694.0
60°	8711.3	7914.5	7430.9	6947.2	6971.0	6995.0	6184.7	5374.5	3531.0	2125.4	1372.1
62.5°	8469.1	7725.0	7043.5	6362.1	6240.6	6119.2	5451.0	4782.7	3007.7	1717.8	1088.4
65°	7600.5	6928.4	6200.7	5473.1	5379.2	5285.3	4687.6	4089.8	2517.9	1386.7	854.9
67.5°	6568.7	6070.5	5451.5	4832.4	4773.3	4714.3	4109.3	3504.2	2024.3	1067.7	635.1
70°	5534.5	5243.3	4805.1	4366.9	4269.1	4171.2	3531.4	2891.6	1567.8	800.4	471.3
72.5°	4433.2	4289.1	3984.8	3680.6	3590.3	3500.0	2851.9	2203.9	1081.5	528.0	313.3
75°	3371.4	3313.5	3100.0	2886.7	2768.0	2649.4	2092.6	1535.6	690.7	325.1	196.9
77.5°	2481.0	2453.4	2222.0	1990.7	1780.5	1570.3	1196.9	823.7	361.9	170.6	107.2
80°	1648.2	1634.8	1356.6	1078.7	831.6	584.6	413.5	242.4	109.8	58.7	42.9
82.5°	950.6	969.6	767.5	565.4	393.5	221.7	147.4	73.2	33.5	20.9	17.9
85°	442.7	480.2	387.9	295.6	191.1	86.5	51.3	16.2	8.2	6.5	5.9
87.5°	127.3	155.9	133.1	110.3	68.1	25.9	14.2	2.4	0.4	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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	278.3	277.8	277.4	277.0	276.6	275.7	275.3	275.6	275.9	275.5	274.9
5°	269.2	267.5	265.7	263.8	261.9	260.5	258.2	258.2	258.1	258.7	259.5
7.5°	257.6	255.2	252.8	251.1	249.5	248.6	248.3	246.6	245.1	245.1	245.1
10°	251.9	249.0	246.2	243.5	241.0	238.6	239.1	238.0	236.9	236.2	235.5
12.5°	249.8	245.1	240.5	237.6	234.8	232.9	231.7	230.3	228.9	228.0	227.2
15°	253.8	245.7	237.6	233.9	230.2	227.2	223.2	222.3	221.5	220.4	219.4
17.5°	262.2	248.3	234.6	229.6	224.5	221.0	218.8	216.5	214.4	212.4	210.5
20°	277.4	255.1	232.9	226.0	219.1	215.8	212.4	209.4	206.5	203.9	201.3
22.5°	306.8	270.5	234.3	223.6	212.9	208.2	202.7	200.0	197.5	194.4	191.3
25°	341.1	287.4	233.8	218.8	203.9	198.7	195.6	191.9	188.2	184.8	181.4
27.5°	396.2	316.5	236.9	216.5	196.0	189.6	186.4	182.9	179.5	175.9	172.2
30°	458.9	351.5	244.1	216.2	188.2	180.1	177.2	174.1	171.1	167.4	163.7
32.5°	529.5	390.9	252.4	217.5	182.5	174.0	168.4	165.0	161.6	158.3	154.9
35°	617.1	440.9	264.4	218.5	172.5	163.0	158.4	155.5	152.6	148.9	145.2
37.5°	717.2	496.8	276.4	219.5	162.5	152.1	149.0	146.8	144.5	140.6	136.7
40°	815.6	551.7	287.8	221.1	154.5	143.1	139.4	137.7	136.1	132.3	128.5
42.5°	904.0	600.9	298.0	224.0	150.0	132.1	130.3	128.2	126.2	122.6	119.0
45°	978.6	642.8	307.0	229.5	151.9	122.6	119.4	117.6	115.8	113.3	111.0
47.5°	1021.9	668.2	314.6	237.7	160.8	116.4	107.0	105.9	104.8	104.1	103.4
50°	1036.9	679.6	322.2	250.1	177.9	122.6	103.6	99.7	95.8	95.8	95.8
52.5°	1002.1	660.8	319.6	257.8	196.0	143.5	109.4	98.1	86.7	86.5	86.3
55°	927.7	617.0	306.3	258.7	211.2	172.5	123.7	101.5	79.4	77.4	75.3
57.5°	816.1	556.0	295.8	250.5	205.1	183.9	135.2	105.3	75.3	69.6	63.9
60°	618.8	461.2	303.7	243.0	182.3	165.4	132.5	103.6	74.9	64.6	54.4
62.5°	458.9	367.3	275.7	216.3	157.0	131.2	118.3	97.4	76.5	62.2	47.7
65°	323.2	280.2	237.2	192.8	148.3	103.1	97.7	86.3	74.9	59.3	43.7
67.5°	202.5	183.4	164.3	145.0	125.7	86.0	76.2	68.0	59.7	49.0	38.5
70°	142.1	131.0	119.8	109.9	100.0	72.7	59.1	52.1	45.2	39.5	34.0
72.5°	98.7	90.7	82.7	77.6	72.4	59.9	45.8	39.5	33.3	29.8	26.4
75°	68.6	62.7	56.8	52.2	47.5	39.4	29.8	25.3	20.7	18.9	17.1
77.5°	43.7	39.2	34.7	30.8	26.8	24.7	18.5	16.0	13.3	12.7	12.2
80°	27.1	24.0	20.9	17.9	14.7	13.8	9.5	8.5	7.4	7.4	7.4
82.5°	14.7	12.9	11.2	9.0	6.8	5.7	4.0	3.4	2.9	2.9	2.9
85°	5.5	4.8	4.0	3.2	2.4	1.4	0.6	0.8	1.0	0.9	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	274.1	273.3	274.0	274.7	273.9	273.0	273.2	273.3	272.3	271.4	270.3
5°	259.6	259.7	260.8	261.9	262.3	262.5	262.9	263.3	263.5	263.8	263.9
7.5°	245.2	245.4	246.1	246.7	247.5	248.3	250.4	252.4	253.4	254.6	255.8
10°	235.0	234.6	236.6	238.6	239.2	239.7	242.2	244.5	245.8	247.1	248.2
12.5°	226.2	225.3	226.2	227.2	229.0	230.8	234.2	237.6	240.3	242.9	243.4
15°	218.4	217.5	218.2	219.1	220.1	221.0	224.4	227.9	230.9	233.8	235.3
17.5°	208.9	207.2	206.5	205.8	208.9	212.0	214.9	217.9	221.0	224.1	226.8
20°	199.2	197.2	196.8	196.3	197.6	198.9	202.7	206.5	210.3	214.1	215.3
22.5°	188.4	185.5	184.8	183.9	184.6	185.4	187.3	189.2	192.0	194.9	197.0
25°	178.3	175.4	173.0	170.6	170.7	170.9	172.0	173.0	174.0	175.1	176.3
27.5°	168.8	165.4	162.4	159.2	158.0	156.8	155.8	154.8	154.5	154.2	154.0
30°	159.6	155.4	152.1	148.8	145.3	141.8	139.6	137.4	135.0	132.6	130.8
32.5°	150.9	146.9	140.9	135.0	131.4	127.9	123.7	119.6	115.2	111.0	108.2
35°	140.7	136.1	130.6	125.0	118.9	112.9	106.8	100.8	95.1	89.4	86.1
37.5°	131.1	125.5	119.6	113.6	105.1	96.8	89.7	82.7	76.9	71.1	67.7
40°	122.1	115.5	107.4	99.3	90.2	81.0	73.4	65.8	60.3	54.7	51.8
42.5°	112.7	106.5	97.1	87.9	77.9	67.7	59.8	51.8	47.1	42.3	39.7
45°	103.8	96.8	85.9	75.1	65.6	56.1	49.2	42.3	37.8	33.3	31.3
47.5°	95.8	88.2	76.9	65.6	56.6	47.5	41.1	34.7	30.5	26.4	24.5
50°	88.0	80.3	68.9	57.5	49.2	40.9	35.2	29.5	25.6	21.7	19.8
52.5°	79.5	72.7	61.6	50.4	43.8	37.3	31.8	26.4	22.2	18.1	16.2
55°	69.3	63.2	54.0	44.7	38.8	32.8	27.9	23.0	18.6	14.3	12.3
57.5°	58.8	53.7	45.8	38.0	33.1	28.0	23.4	18.8	14.6	10.5	8.7
60°	49.8	45.2	38.5	31.8	27.0	22.1	18.1	14.1	10.4	6.7	4.9
62.5°	43.0	38.2	31.7	25.2	21.3	17.3	13.8	10.3	6.7	3.3	1.8
65°	37.9	32.1	26.5	20.9	16.6	12.4	9.1	5.9	3.6	1.1	0.6
67.5°	32.2	25.9	20.5	15.2	11.5	7.8	5.1	2.4	1.1	0.0	0.0
70°	27.1	20.2	14.4	8.6	5.7	2.9	1.7	0.5	0.2	0.0	0.0
72.5°	20.5	14.7	9.3	3.8	2.5	1.1	0.8	0.2	0.1	0.0	0.0
75°	13.7	10.3	6.6	2.9	1.8	0.8	0.4	0.0	0.0	0.0	0.0
77.5°	10.1	8.1	4.9	1.9	1.1	0.5	0.2	0.0	0.0	0.0	0.0
80°	6.1	4.8	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.4	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	0.2	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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	269.2	269.0	269.2	270.3	271.4	272.3	273.3	273.2	273.0	273.9	274.7
5°	264.1	264.3	264.1	263.9	263.8	263.5	263.3	262.9	262.5	262.3	261.9
7.5°	257.1	259.5	257.1	255.8	254.6	253.4	252.4	250.4	248.3	247.5	246.7
10°	249.2	250.9	249.2	248.2	247.1	245.8	244.5	242.2	239.7	239.2	238.6
12.5°	244.1	244.3	244.1	243.4	242.9	240.3	237.6	234.2	230.8	229.0	227.2
15°	236.7	237.6	236.7	235.3	233.8	230.9	227.9	224.4	221.0	220.1	219.1
17.5°	229.6	231.0	229.6	226.8	224.1	221.0	217.9	214.9	212.0	208.9	205.8
20°	216.5	215.8	216.5	215.3	214.1	210.3	206.5	202.7	198.9	197.6	196.3
22.5°	199.1	201.5	199.1	197.0	194.9	192.0	189.2	187.3	185.4	184.6	183.9
25°	177.6	178.7	177.6	176.3	175.1	174.0	173.0	172.0	170.9	170.7	170.6
27.5°	153.8	153.0	153.8	154.0	154.2	154.5	154.8	155.8	156.8	158.0	159.2
30°	129.1	128.3	129.1	130.8	132.6	135.0	137.4	139.6	141.8	145.3	148.8
32.5°	105.3	103.6	105.3	108.2	111.0	115.2	119.6	123.7	127.9	131.4	135.0
35°	82.9	81.7	82.9	86.1	89.4	95.1	100.8	106.8	112.9	118.9	125.0
37.5°	64.4	62.7	64.4	67.7	71.1	76.9	82.7	89.7	96.8	105.1	113.6
40°	49.0	47.5	49.0	51.8	54.7	60.3	65.8	73.4	81.0	90.2	99.3
42.5°	37.1	35.2	37.1	39.7	42.3	47.1	51.8	59.8	67.7	77.9	87.9
45°	29.3	28.5	29.3	31.3	33.3	37.8	42.3	49.2	56.1	65.6	75.1
47.5°	22.6	21.9	22.6	24.5	26.4	30.5	34.7	41.1	47.5	56.6	65.6
50°	17.9	17.1	17.9	19.8	21.7	25.6	29.5	35.2	40.9	49.2	57.5
52.5°	14.3	13.3	14.3	16.2	18.1	22.2	26.4	31.8	37.3	43.8	50.4
55°	10.3	9.5	10.3	12.3	14.3	18.6	23.0	27.9	32.8	38.8	44.7
57.5°	7.1	6.7	7.1	8.7	10.5	14.6	18.8	23.4	28.0	33.1	38.0
60°	3.3	2.9	3.3	4.9	6.7	10.4	14.1	18.1	22.1	27.0	31.8
62.5°	0.2	0.0	0.2	1.8	3.3	6.7	10.3	13.8	17.3	21.3	25.2
65°	0.0	0.0	0.0	0.6	1.1	3.6	5.9	9.1	12.4	16.6	20.9
67.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.4	5.1	7.8	11.5	15.2
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.7	2.9	5.7	8.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.8	1.1	2.5	3.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.8	2.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
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):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	274.0	273.3	274.1	274.9	275.5	275.9	275.6	275.3	275.7	276.6	277.0
5°	260.8	259.7	259.6	259.5	258.7	258.1	258.2	258.2	260.5	261.9	263.8
7.5°	246.1	245.4	245.2	245.1	245.1	245.1	246.6	248.3	248.6	249.5	251.1
10°	236.6	234.6	235.0	235.5	236.2	236.9	238.0	239.1	238.6	241.0	243.5
12.5°	226.2	225.3	226.2	227.2	228.0	228.9	230.3	231.7	232.9	234.8	237.6
15°	218.2	217.5	218.4	219.4	220.4	221.5	222.3	223.2	227.2	230.2	233.9
17.5°	206.5	207.2	208.9	210.5	212.4	214.4	216.5	218.8	221.0	224.5	229.6
20°	196.8	197.2	199.2	201.3	203.9	206.5	209.4	212.4	215.8	219.1	226.0
22.5°	184.8	185.5	188.4	191.3	194.4	197.5	200.0	202.7	208.2	212.9	223.6
25°	173.0	175.4	178.3	181.4	184.8	188.2	191.9	195.6	198.7	203.9	218.8
27.5°	162.4	165.4	168.8	172.2	175.9	179.5	182.9	186.4	189.6	196.0	216.5
30°	152.1	155.4	159.6	163.7	167.4	171.1	174.1	177.2	180.1	188.2	216.2
32.5°	140.9	146.9	150.9	154.9	158.3	161.6	165.0	168.4	174.0	182.5	217.5
35°	130.6	136.1	140.7	145.2	148.9	152.6	155.5	158.4	163.0	172.5	218.5
37.5°	119.6	125.5	131.1	136.7	140.6	144.5	146.8	149.0	152.1	162.5	219.5
40°	107.4	115.5	122.1	128.5	132.3	136.1	137.7	139.4	143.1	154.5	221.1
42.5°	97.1	106.5	112.7	119.0	122.6	126.2	128.2	130.3	132.1	150.0	224.0
45°	85.9	96.8	103.8	111.0	113.3	115.8	117.6	119.4	122.6	151.9	229.5
47.5°	76.9	88.2	95.8	103.4	104.1	104.8	105.9	107.0	116.4	160.8	237.7
50°	68.9	80.3	88.0	95.8	95.8	95.8	99.7	103.6	122.6	177.9	250.1
52.5°	61.6	72.7	79.5	86.3	86.5	86.7	98.1	109.4	143.5	196.0	257.8
55°	54.0	63.2	69.3	75.3	77.4	79.4	101.5	123.7	172.5	211.2	258.7
57.5°	45.8	53.7	58.8	63.9	69.6	75.3	105.3	135.2	183.9	205.1	250.5
60°	38.5	45.2	49.8	54.4	64.6	74.9	103.6	132.5	165.4	182.3	243.0
62.5°	31.7	38.2	43.0	47.7	62.2	76.5	97.4	118.3	131.2	157.0	216.3
65°	26.5	32.1	37.9	43.7	59.3	74.9	86.3	97.7	103.1	148.3	192.8
67.5°	20.5	25.9	32.2	38.5	49.0	59.7	68.0	76.2	86.0	125.7	145.0
70°	14.4	20.2	27.1	34.0	39.5	45.2	52.1	59.1	72.7	100.0	109.9
72.5°	9.3	14.7	20.5	26.4	29.8	33.3	39.5	45.8	59.9	72.4	77.6
75°	6.6	10.3	13.7	17.1	18.9	20.7	25.3	29.8	39.4	47.5	52.2
77.5°	4.9	8.1	10.1	12.2	12.7	13.3	16.0	18.5	24.7	26.8	30.8
80°	2.9	4.8	6.1	7.4	7.4	7.4	8.5	9.5	13.8	14.7	17.9
82.5°	1.0	1.9	2.4	2.9	2.9	2.9	3.4	4.0	5.7	6.8	9.0
85°	0.1	0.2	0.5	0.8	0.9	1.0	0.8	0.6	1.4	2.4	3.2
87.5°	0.0	0.0	0.1	0.2	0.2	0.2	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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	277.4	277.8	278.3	279.5	280.6	281.4	280.4
5°	265.7	267.5	269.2	271.1	273.0	275.9	279.5
7.5°	252.8	255.2	257.6	260.5	263.3	266.7	270.4
10°	246.2	249.0	251.9	256.5	260.9	266.8	271.4
12.5°	240.5	245.1	249.8	258.7	267.9	280.1	291.3
15°	237.6	245.7	253.8	270.7	287.5	309.7	332.7
17.5°	234.6	248.3	262.2	292.9	323.7	366.1	416.3
20°	232.9	255.1	277.4	327.8	378.3	447.3	524.2
22.5°	234.3	270.5	306.8	383.8	460.8	558.0	651.1
25°	233.8	287.4	341.1	450.1	559.1	690.6	804.6
27.5°	236.9	316.5	396.2	540.5	684.9	840.2	961.0
30°	244.1	351.5	458.9	641.8	824.9	1011.3	1147.8
32.5°	252.4	390.9	529.5	755.3	981.2	1198.9	1343.6
35°	264.4	440.9	617.1	884.5	1151.9	1389.9	1522.3
37.5°	276.4	496.8	717.2	1030.5	1343.9	1599.7	1721.9
40°	287.8	551.7	815.6	1181.7	1548.0	1829.8	1933.0
42.5°	298.0	600.9	904.0	1328.5	1753.0	2074.7	2189.6
45°	307.0	642.8	978.6	1489.6	2000.7	2427.2	2653.5
47.5°	314.6	668.2	1021.9	1670.0	2318.2	2952.4	3330.3
50°	322.2	679.6	1036.9	1843.0	2649.2	3570.0	4227.1
52.5°	319.6	660.8	1002.1	1917.4	2832.7	4012.8	5037.0
55°	306.3	617.0	927.7	1880.8	2833.8	4181.0	5553.2
57.5°	295.8	556.0	816.1	1694.0	2572.0	3969.1	5732.8
60°	303.7	461.2	618.8	1372.1	2125.4	3531.0	5374.5
62.5°	275.7	367.3	458.9	1088.4	1717.8	3007.7	4782.7
65°	237.2	280.2	323.2	854.9	1386.7	2517.9	4089.8
67.5°	164.3	183.4	202.5	635.1	1067.7	2024.3	3504.2
70°	119.8	131.0	142.1	471.3	800.4	1567.8	2891.6
72.5°	82.7	90.7	98.7	313.3	528.0	1081.5	2203.9
75°	56.8	62.7	68.6	196.9	325.1	690.7	1535.6
77.5°	34.7	39.2	43.7	107.2	170.6	361.9	823.7
80°	20.9	24.0	27.1	42.9	58.7	109.8	242.4
82.5°	11.2	12.9	14.7	17.9	20.9	33.5	73.2
85°	4.0	4.8	5.5	5.9	6.5	8.2	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)