

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: P1208616

Luminaire Tested: UPW-SA1-070-750-U-SLR-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208616
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-SA1-070-750-U-SLR-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGH OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

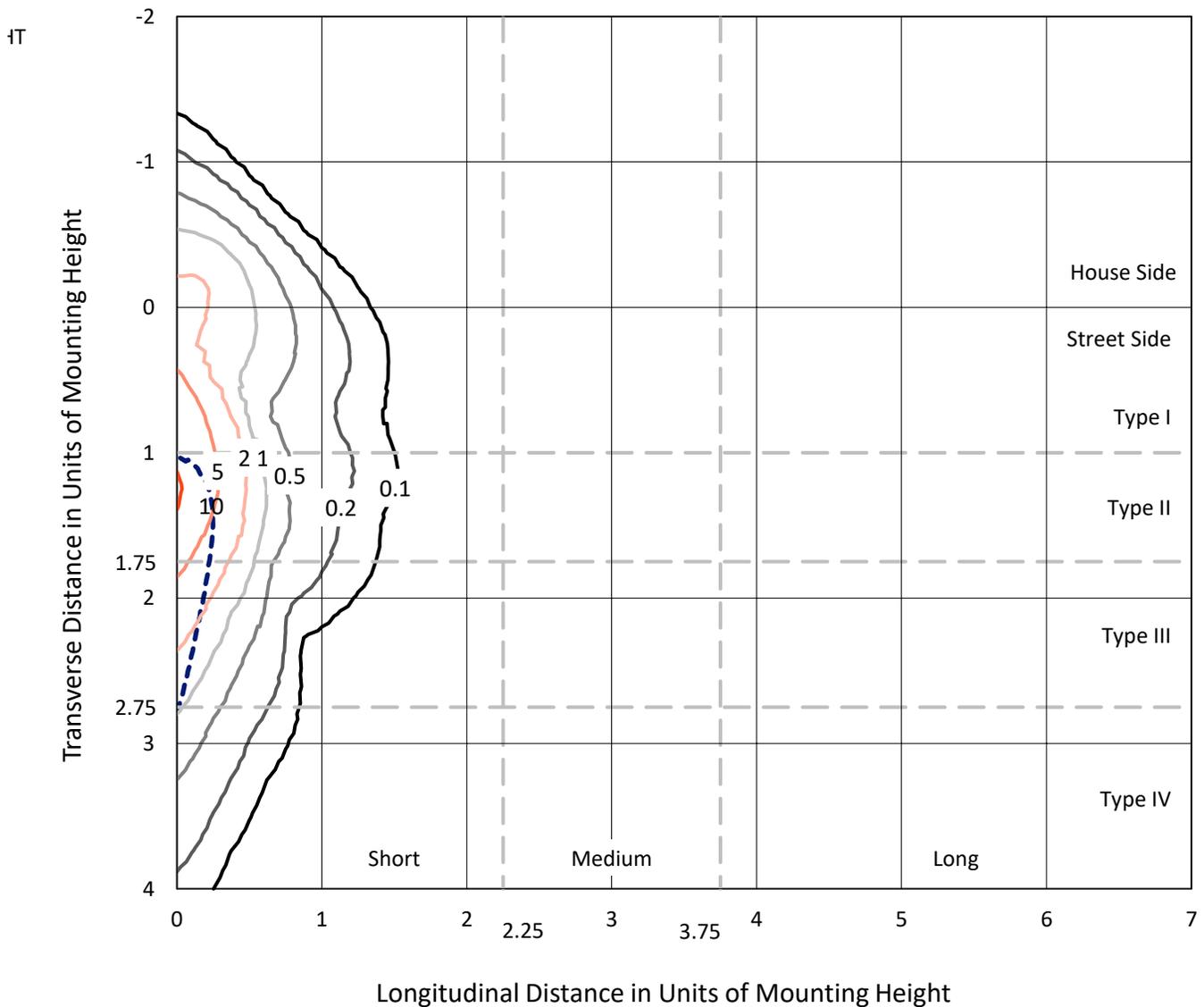
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

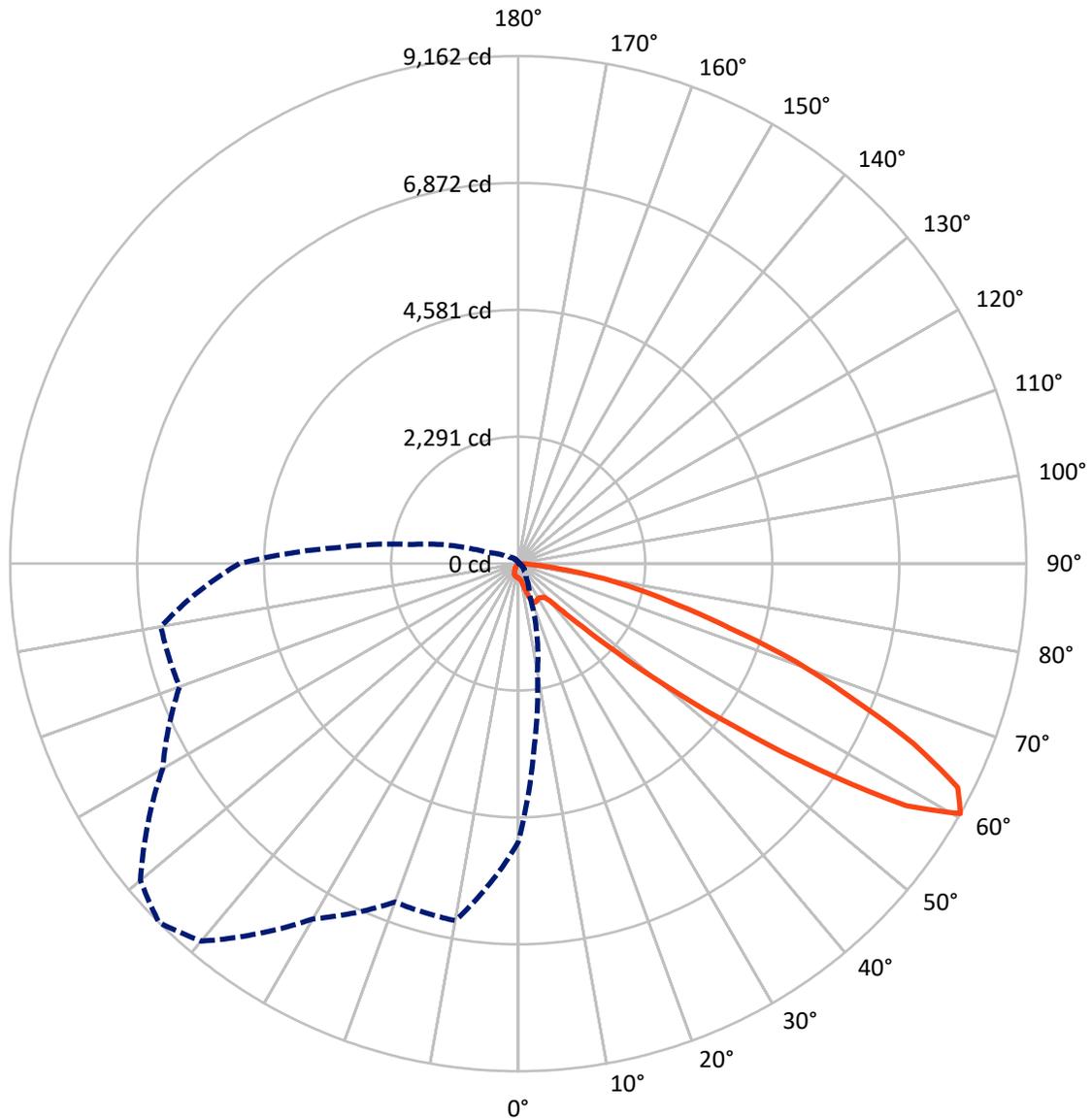
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	603.6	0.0	603.6
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	4635.4	0.0	4635.4
	% Fixture	88.5	0.0	88.5
Total	Lumens	5239.0	0.0	5239.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	0.5
10°-20°	80.8	1.5
20°-30°	174.6	3.3
30°-40°	294.1	5.6
40°-50°	594.0	11.3
50°-60°	1527.7	29.2
60°-70°	1661.0	31.7
70°-80°	782.5	14.9
80°-90°	100.5	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°	5239.0	100.0
0°-180°	5239.0	100.0



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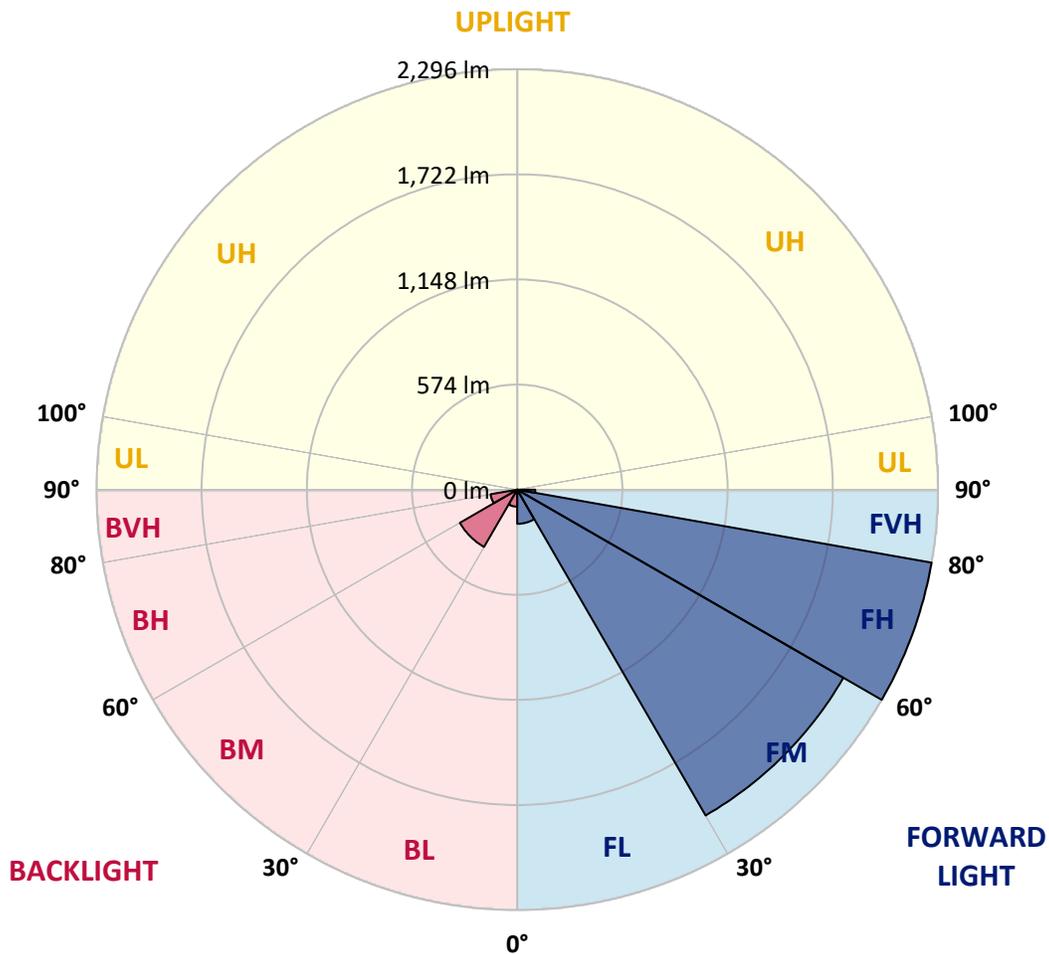
CATALOG NUMBER: UPW-SA1-070-750-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.4	3.6			
FM	(30°-60°)	2054.6	39.2			
FH	(60°-80°)	2295.8	43.8			G2/5000
FVH	(80°-90°)	98.7	1.9			G1/100
BL	(0°-30°)	92.8	1.8	B0/110		
BM	(30°-60°)	361.3	6.9	B1/1000		
BH	(60°-80°)	147.7	2.8	B1/500		G1/500
BVH	(80°-90°)	1.8	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°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	262.3	263.2	262.5	261.4	260.4	259.8	259.5	259.1	258.8	257.9	257.5
5°	261.4	258.1	255.4	253.6	251.8	250.2	248.6	246.8	245.0	243.7	241.5
7.5°	253.0	249.5	246.3	243.7	241.0	238.8	236.5	234.9	233.4	232.5	232.3
10°	253.9	249.6	244.1	239.9	235.7	233.0	230.3	227.8	225.4	223.2	223.7
12.5°	272.6	262.1	250.6	242.1	233.7	229.3	225.0	222.3	219.7	217.9	216.8
15°	311.2	289.7	269.0	253.3	237.4	229.9	222.3	218.9	215.4	212.5	208.8
17.5°	389.5	342.5	302.8	274.0	245.3	232.3	219.5	214.8	210.0	206.8	204.7
20°	490.4	418.5	353.9	306.7	259.5	238.7	217.9	211.5	205.0	201.9	198.7
22.5°	609.2	522.0	431.1	359.1	287.1	253.1	219.2	209.2	199.2	194.8	189.6
25°	752.8	646.1	523.1	421.1	319.1	268.9	218.8	204.7	190.8	185.9	183.0
27.5°	899.1	786.0	640.7	505.6	370.7	296.1	221.6	202.6	183.4	177.4	174.4
30°	1073.8	946.1	771.7	600.4	429.3	328.9	228.4	202.2	176.1	168.5	165.8
32.5°	1257.0	1121.7	917.9	706.6	495.3	365.7	236.1	203.5	170.7	162.7	157.6
35°	1424.2	1300.3	1077.6	827.5	577.3	412.4	247.4	204.4	161.4	152.5	148.2
37.5°	1610.9	1496.6	1257.3	964.1	671.0	464.7	258.6	205.3	152.1	142.3	139.4
40°	1808.4	1711.9	1448.2	1105.6	763.0	516.1	269.3	206.8	144.5	133.8	130.4
42.5°	2048.5	1940.9	1640.0	1242.9	845.7	562.2	278.8	209.5	140.3	123.6	121.9
45°	2482.4	2270.7	1871.8	1393.6	915.5	601.3	287.2	214.7	142.1	114.7	111.7
47.5°	3115.6	2762.1	2168.8	1562.4	956.0	625.2	294.4	222.4	150.5	108.9	100.1
50°	3954.6	3339.9	2478.4	1724.2	970.0	635.7	301.5	234.0	166.5	114.7	96.9
52.5°	4712.3	3754.1	2650.1	1793.8	937.5	618.2	299.0	241.2	183.4	134.3	102.4
55°	5195.2	3911.5	2651.1	1759.5	867.9	577.2	286.5	242.1	197.6	161.4	115.7
57.5°	5363.3	3713.2	2406.2	1584.8	763.4	520.1	276.7	234.3	191.9	172.1	126.5
60°	5028.0	3303.4	1988.4	1283.7	578.9	431.5	284.1	227.3	170.6	154.7	124.0
62.5°	4474.4	2813.8	1607.1	1018.2	429.3	343.6	257.9	202.4	146.9	122.7	110.7
65°	3826.1	2355.6	1297.3	799.8	302.4	262.2	221.9	180.3	138.7	96.5	91.4
67.5°	3278.3	1893.8	998.8	594.1	189.4	171.5	153.7	135.6	117.6	80.5	71.3
70°	2705.2	1466.7	748.8	440.9	132.9	122.5	112.0	102.8	93.6	68.0	55.3
72.5°	2061.8	1011.7	494.0	293.1	92.3	84.8	77.4	72.6	67.8	56.0	42.9
75°	1436.6	646.2	304.1	184.2	64.2	58.7	53.2	48.8	44.5	36.9	27.9
77.5°	770.6	338.5	159.6	100.3	40.9	36.6	32.5	28.8	25.1	23.1	17.3
80°	226.8	102.7	55.0	40.1	25.3	22.4	19.6	16.7	13.8	12.9	8.9
82.5°	68.5	31.3	19.6	16.7	13.8	12.1	10.5	8.4	6.4	5.3	3.7
85°	15.1	7.6	6.0	5.5	5.2	4.4	3.7	3.0	2.2	1.3	0.5
87.5°	2.2	0.4	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°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	257.8	258.1	257.7	257.2	256.5	255.7	256.3	257.0	256.2	255.4	255.6
5°	241.5	241.4	242.1	242.8	242.9	243.0	244.0	245.0	245.4	245.6	246.0
7.5°	230.7	229.3	229.3	229.3	229.4	229.6	230.2	230.8	231.6	232.3	234.2
10°	222.7	221.6	221.0	220.4	219.8	219.5	221.3	223.2	223.7	224.3	226.6
12.5°	215.5	214.1	213.3	212.5	211.6	210.8	211.6	212.5	214.2	215.9	219.1
15°	208.0	207.2	206.2	205.2	204.4	203.5	204.2	205.0	205.9	206.8	210.0
17.5°	202.6	200.5	198.8	197.0	195.5	193.9	193.2	192.5	195.5	198.3	201.1
20°	195.9	193.2	190.8	188.3	186.4	184.5	184.1	183.6	184.9	186.0	189.6
22.5°	187.1	184.8	181.9	178.9	176.3	173.6	172.9	172.1	172.7	173.4	175.2
25°	179.5	176.1	172.9	169.7	166.8	164.1	161.8	159.6	159.7	159.9	160.9
27.5°	171.1	167.9	164.5	161.1	157.9	154.7	151.9	149.0	147.8	146.7	145.8
30°	162.9	160.1	156.6	153.1	149.3	145.4	142.3	139.2	136.0	132.7	130.6
32.5°	154.4	151.2	148.1	145.0	141.2	137.4	131.8	126.3	122.9	119.6	115.7
35°	145.5	142.7	139.3	135.9	131.6	127.3	122.2	116.9	111.2	105.6	100.0
37.5°	137.3	135.2	131.5	127.9	122.6	117.4	111.9	106.3	98.4	90.5	83.9
40°	128.9	127.3	123.8	120.2	114.2	108.0	100.5	92.9	84.4	75.8	68.7
42.5°	120.0	118.1	114.7	111.3	105.5	99.6	90.9	82.3	72.8	63.3	55.9
45°	110.0	108.3	106.0	103.9	97.1	90.5	80.4	70.3	61.4	52.5	46.1
47.5°	99.1	98.0	97.4	96.8	89.6	82.5	71.9	61.4	52.9	44.5	38.4
50°	93.3	89.6	89.6	89.6	82.3	75.1	64.5	53.8	46.1	38.2	32.9
52.5°	91.8	81.1	80.9	80.7	74.3	68.0	57.6	47.1	41.0	34.9	29.8
55°	95.0	74.3	72.4	70.4	64.8	59.1	50.5	41.8	36.3	30.7	26.1
57.5°	98.5	70.4	65.1	59.8	55.0	50.2	42.9	35.6	30.9	26.2	21.9
60°	96.9	70.1	60.5	50.9	46.6	42.2	36.0	29.8	25.3	20.6	16.9
62.5°	91.2	71.6	58.2	44.6	40.2	35.7	29.7	23.6	19.9	16.2	12.9
65°	80.7	70.1	55.5	40.9	35.5	30.1	24.8	19.6	15.6	11.6	8.5
67.5°	63.6	55.8	45.9	36.0	30.1	24.2	19.2	14.2	10.8	7.3	4.8
70°	48.7	42.2	37.0	31.8	25.3	18.9	13.4	8.0	5.3	2.7	1.6
72.5°	37.0	31.1	27.9	24.7	19.2	13.8	8.7	3.6	2.3	1.1	0.7
75°	23.7	19.4	17.7	16.0	12.8	9.6	6.1	2.7	1.7	0.7	0.4
77.5°	14.9	12.4	11.9	11.4	9.4	7.6	4.6	1.8	1.1	0.4	0.2
80°	7.9	6.9	6.9	6.9	5.7	4.4	2.7	0.9	0.4	0.0	0.0
82.5°	3.2	2.7	2.7	2.7	2.2	1.8	0.9	0.0	0.0	0.0	0.0
85°	0.7	0.9	0.8	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0
87.5°	0.1	0.2	0.2	0.2	0.1	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°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	255.7	254.8	253.9	252.9	251.8	251.7	251.8	252.9	253.9	254.8	255.7
5°	246.3	246.5	246.8	246.9	247.0	247.2	247.0	246.9	246.8	246.5	246.3
7.5°	236.1	237.1	238.1	239.3	240.6	242.8	240.6	239.3	238.1	237.1	236.1
10°	228.7	230.0	231.2	232.2	233.2	234.8	233.2	232.2	231.2	230.0	228.7
12.5°	222.3	224.8	227.2	227.7	228.4	228.5	228.4	227.7	227.2	224.8	222.3
15°	213.2	216.0	218.8	220.1	221.4	222.3	221.4	220.1	218.8	216.0	213.2
17.5°	203.8	206.8	209.7	212.2	214.8	216.1	214.8	212.2	209.7	206.8	203.8
20°	193.2	196.7	200.3	201.4	202.6	201.9	202.6	201.4	200.3	196.7	193.2
22.5°	177.0	179.6	182.3	184.3	186.3	188.5	186.3	184.3	182.3	179.6	177.0
25°	161.8	162.8	163.8	165.0	166.1	167.2	166.1	165.0	163.8	162.8	161.8
27.5°	144.8	144.5	144.2	144.1	143.9	143.2	143.9	144.1	144.2	144.5	144.8
30°	128.5	126.3	124.1	122.4	120.8	120.1	120.8	122.4	124.1	126.3	128.5
32.5°	111.9	107.8	103.9	101.2	98.5	96.9	98.5	101.2	103.9	107.8	111.9
35°	94.3	88.9	83.6	80.6	77.5	76.5	77.5	80.6	83.6	88.9	94.3
37.5°	77.4	71.9	66.5	63.3	60.3	58.7	60.3	63.3	66.5	71.9	77.4
40°	61.5	56.4	51.1	48.5	45.8	44.5	45.8	48.5	51.1	56.4	61.5
42.5°	48.5	44.0	39.6	37.2	34.7	32.9	34.7	37.2	39.6	44.0	48.5
45°	39.6	35.4	31.1	29.3	27.4	26.7	27.4	29.3	31.1	35.4	39.6
47.5°	32.5	28.5	24.7	22.9	21.2	20.5	21.2	22.9	24.7	28.5	32.5
50°	27.6	23.9	20.3	18.5	16.7	16.0	16.7	18.5	20.3	23.9	27.6
52.5°	24.7	20.8	16.9	15.1	13.3	12.4	13.3	15.1	16.9	20.8	24.7
55°	21.5	17.4	13.3	11.5	9.6	8.9	9.6	11.5	13.3	17.4	21.5
57.5°	17.6	13.7	9.8	8.2	6.7	6.2	6.7	8.2	9.8	13.7	17.6
60°	13.2	9.7	6.2	4.6	3.1	2.7	3.1	4.6	6.2	9.7	13.2
62.5°	9.6	6.3	3.1	1.7	0.2	0.0	0.2	1.7	3.1	6.3	9.6
65°	5.5	3.4	1.1	0.5	0.0	0.0	0.0	0.5	1.1	3.4	5.5
67.5°	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
70°	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
72.5°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
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°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	255.6	255.4	256.2	257.0	256.3	255.7	256.5	257.2	257.7	258.1	257.8
5°	246.0	245.6	245.4	245.0	244.0	243.0	242.9	242.8	242.1	241.4	241.5
7.5°	234.2	232.3	231.6	230.8	230.2	229.6	229.4	229.3	229.3	229.3	230.7
10°	226.6	224.3	223.7	223.2	221.3	219.5	219.8	220.4	221.0	221.6	222.7
12.5°	219.1	215.9	214.2	212.5	211.6	210.8	211.6	212.5	213.3	214.1	215.5
15°	210.0	206.8	205.9	205.0	204.2	203.5	204.4	205.2	206.2	207.2	208.0
17.5°	201.1	198.3	195.5	192.5	193.2	193.9	195.5	197.0	198.8	200.5	202.6
20°	189.6	186.0	184.9	183.6	184.1	184.5	186.4	188.3	190.8	193.2	195.9
22.5°	175.2	173.4	172.7	172.1	172.9	173.6	176.3	178.9	181.9	184.8	187.1
25°	160.9	159.9	159.7	159.6	161.8	164.1	166.8	169.7	172.9	176.1	179.5
27.5°	145.8	146.7	147.8	149.0	151.9	154.7	157.9	161.1	164.5	167.9	171.1
30°	130.6	132.7	136.0	139.2	142.3	145.4	149.3	153.1	156.6	160.1	162.9
32.5°	115.7	119.6	122.9	126.3	131.8	137.4	141.2	145.0	148.1	151.2	154.4
35°	100.0	105.6	111.2	116.9	122.2	127.3	131.6	135.9	139.3	142.7	145.5
37.5°	83.9	90.5	98.4	106.3	111.9	117.4	122.6	127.9	131.5	135.2	137.3
40°	68.7	75.8	84.4	92.9	100.5	108.0	114.2	120.2	123.8	127.3	128.9
42.5°	55.9	63.3	72.8	82.3	90.9	99.6	105.5	111.3	114.7	118.1	120.0
45°	46.1	52.5	61.4	70.3	80.4	90.5	97.1	103.9	106.0	108.3	110.0
47.5°	38.4	44.5	52.9	61.4	71.9	82.5	89.6	96.8	97.4	98.0	99.1
50°	32.9	38.2	46.1	53.8	64.5	75.1	82.3	89.6	89.6	89.6	93.3
52.5°	29.8	34.9	41.0	47.1	57.6	68.0	74.3	80.7	80.9	81.1	91.8
55°	26.1	30.7	36.3	41.8	50.5	59.1	64.8	70.4	72.4	74.3	95.0
57.5°	21.9	26.2	30.9	35.6	42.9	50.2	55.0	59.8	65.1	70.4	98.5
60°	16.9	20.6	25.3	29.8	36.0	42.2	46.6	50.9	60.5	70.1	96.9
62.5°	12.9	16.2	19.9	23.6	29.7	35.7	40.2	44.6	58.2	71.6	91.2
65°	8.5	11.6	15.6	19.6	24.8	30.1	35.5	40.9	55.5	70.1	80.7
67.5°	4.8	7.3	10.8	14.2	19.2	24.2	30.1	36.0	45.9	55.8	63.6
70°	1.6	2.7	5.3	8.0	13.4	18.9	25.3	31.8	37.0	42.2	48.7
72.5°	0.7	1.1	2.3	3.6	8.7	13.8	19.2	24.7	27.9	31.1	37.0
75°	0.4	0.7	1.7	2.7	6.1	9.6	12.8	16.0	17.7	19.4	23.7
77.5°	0.2	0.4	1.1	1.8	4.6	7.6	9.4	11.4	11.9	12.4	14.9
80°	0.0	0.0	0.4	0.9	2.7	4.4	5.7	6.9	6.9	6.9	7.9
82.5°	0.0	0.0	0.0	0.0	0.9	1.8	2.2	2.7	2.7	2.7	3.2
85°	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.7	0.8	0.9	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	257.5	257.9	258.8	259.1	259.5	259.8	260.4	261.4	262.5	263.2	262.3
5°	241.5	243.7	245.0	246.8	248.6	250.2	251.8	253.6	255.4	258.1	261.4
7.5°	232.3	232.5	233.4	234.9	236.5	238.8	241.0	243.7	246.3	249.5	253.0
10°	223.7	223.2	225.4	227.8	230.3	233.0	235.7	239.9	244.1	249.6	253.9
12.5°	216.8	217.9	219.7	222.3	225.0	229.3	233.7	242.1	250.6	262.1	272.6
15°	208.8	212.5	215.4	218.9	222.3	229.9	237.4	253.3	269.0	289.7	311.2
17.5°	204.7	206.8	210.0	214.8	219.5	232.3	245.3	274.0	302.8	342.5	389.5
20°	198.7	201.9	205.0	211.5	217.9	238.7	259.5	306.7	353.9	418.5	490.4
22.5°	189.6	194.8	199.2	209.2	219.2	253.1	287.1	359.1	431.1	522.0	609.2
25°	183.0	185.9	190.8	204.7	218.8	268.9	319.1	421.1	523.1	646.1	752.8
27.5°	174.4	177.4	183.4	202.6	221.6	296.1	370.7	505.6	640.7	786.0	899.1
30°	165.8	168.5	176.1	202.2	228.4	328.9	429.3	600.4	771.7	946.1	1073.8
32.5°	157.6	162.7	170.7	203.5	236.1	365.7	495.3	706.6	917.9	1121.7	1257.0
35°	148.2	152.5	161.4	204.4	247.4	412.4	577.3	827.5	1077.6	1300.3	1424.2
37.5°	139.4	142.3	152.1	205.3	258.6	464.7	671.0	964.1	1257.3	1496.6	1610.9
40°	130.4	133.8	144.5	206.8	269.3	516.1	763.0	1105.6	1448.2	1711.9	1808.4
42.5°	121.9	123.6	140.3	209.5	278.8	562.2	845.7	1242.9	1640.0	1940.9	2048.5
45°	111.7	114.7	142.1	214.7	287.2	601.3	915.5	1393.6	1871.8	2270.7	2482.4
47.5°	100.1	108.9	150.5	222.4	294.4	625.2	956.0	1562.4	2168.8	2762.1	3115.6
50°	96.9	114.7	166.5	234.0	301.5	635.7	970.0	1724.2	2478.4	3339.9	3954.6
52.5°	102.4	134.3	183.4	241.2	299.0	618.2	937.5	1793.8	2650.1	3754.1	4712.3
55°	115.7	161.4	197.6	242.1	286.5	577.2	867.9	1759.5	2651.1	3911.5	5195.2
57.5°	126.5	172.1	191.9	234.3	276.7	520.1	763.4	1584.8	2406.2	3713.2	5363.3
60°	124.0	154.7	170.6	227.3	284.1	431.5	578.9	1283.7	1988.4	3303.4	5028.0
62.5°	110.7	122.7	146.9	202.4	257.9	343.6	429.3	1018.2	1607.1	2813.8	4474.4
65°	91.4	96.5	138.7	180.3	221.9	262.2	302.4	799.8	1297.3	2355.6	3826.1
67.5°	71.3	80.5	117.6	135.6	153.7	171.5	189.4	594.1	998.8	1893.8	3278.3
70°	55.3	68.0	93.6	102.8	112.0	122.5	132.9	440.9	748.8	1466.7	2705.2
72.5°	42.9	56.0	67.8	72.6	77.4	84.8	92.3	293.1	494.0	1011.7	2061.8
75°	27.9	36.9	44.5	48.8	53.2	58.7	64.2	184.2	304.1	646.2	1436.6
77.5°	17.3	23.1	25.1	28.8	32.5	36.6	40.9	100.3	159.6	338.5	770.6
80°	8.9	12.9	13.8	16.7	19.6	22.4	25.3	40.1	55.0	102.7	226.8
82.5°	3.7	5.3	6.4	8.4	10.5	12.1	13.8	16.7	19.6	31.3	68.5
85°	0.5	1.3	2.2	3.0	3.7	4.4	5.2	5.5	6.0	7.6	15.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.2
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	263.1	263.9	265.1	266.3	266.9	267.5	267.8	268.0	265.9	268.0	267.8
5°	263.7	265.9	268.6	271.2	272.7	274.1	274.8	275.5	277.5	275.5	274.8
7.5°	258.7	264.3	269.5	274.6	278.5	282.6	286.0	289.4	291.7	289.4	286.0
10°	264.2	274.6	284.7	294.8	302.5	310.4	315.6	320.9	323.7	320.9	315.6
12.5°	289.4	306.1	323.0	339.9	355.8	371.7	382.3	392.9	400.2	392.9	382.3
15°	342.8	374.4	403.9	433.5	458.2	482.9	496.0	509.0	510.4	509.0	496.0
17.5°	435.7	481.8	521.0	560.2	586.5	612.7	625.3	637.8	641.2	637.8	625.3
20°	548.5	606.5	643.5	680.5	698.1	715.7	722.3	728.9	724.8	728.9	722.3
22.5°	670.7	732.3	757.7	783.0	781.3	779.7	774.2	768.7	759.4	768.7	774.2
25°	803.9	855.0	849.7	844.4	822.7	801.1	782.7	764.4	755.9	764.4	782.7
27.5°	926.7	954.4	916.5	878.6	837.3	796.1	771.6	747.1	731.9	747.1	771.6
30°	1055.9	1038.0	970.6	903.1	850.9	798.6	769.6	740.6	723.0	740.6	769.6
32.5°	1193.9	1130.7	1034.6	938.4	877.6	816.8	783.3	749.7	728.3	749.7	783.3
35°	1320.7	1217.2	1095.4	973.6	908.1	842.9	804.1	765.5	748.8	765.5	804.1
37.5°	1455.0	1299.1	1151.3	1003.6	932.1	860.8	825.3	789.8	771.9	789.8	825.3
40°	1603.4	1398.4	1225.8	1053.1	990.3	927.5	904.2	880.9	875.9	880.9	904.2
42.5°	1796.7	1544.9	1360.2	1175.6	1145.9	1116.2	1124.1	1132.0	1164.1	1132.0	1124.1
45°	2174.8	1867.3	1658.9	1450.4	1461.4	1472.5	1533.0	1593.7	1629.2	1593.7	1533.0
47.5°	2781.1	2446.6	2180.6	1914.6	1988.6	2062.7	2209.8	2357.0	2388.6	2357.0	2209.8
50°	3599.0	3243.4	2911.4	2579.4	2735.4	2891.5	3172.7	3453.8	3500.2	3453.8	3172.7
52.5°	4438.0	4163.8	3775.4	3386.8	3651.8	3916.8	4329.6	4742.4	4868.8	4742.4	4329.6
55°	5284.8	5374.4	4966.6	4558.9	4882.1	5205.1	5749.0	6292.9	6535.3	6292.9	5749.0
57.5°	5892.9	6422.6	6137.0	5851.5	6185.0	6518.4	7190.6	7862.7	8245.4	7862.7	7190.6
60°	5786.0	6544.0	6521.6	6499.3	6951.9	7404.3	8149.7	8895.1	9162.3	8895.1	8149.7
62.5°	5099.6	5724.7	5838.3	5952.0	6589.5	7227.0	7923.1	8619.3	8892.8	8619.3	7923.1
65°	4385.4	4944.6	5032.4	5120.3	5801.0	6481.8	7110.5	7739.2	7831.9	7739.2	7110.5
67.5°	3844.4	4410.4	4465.6	4520.9	5100.0	5679.1	6145.3	6611.5	6497.1	6611.5	6145.3
70°	3303.8	3902.3	3993.9	4085.4	4495.3	4905.3	5177.8	5450.2	5312.6	5450.2	5177.8
72.5°	2668.0	3274.3	3358.8	3443.3	3728.0	4012.6	4147.4	4282.1	4010.7	4282.1	4147.4
75°	1957.7	2478.6	2589.6	2700.6	2900.1	3099.9	3154.1	3208.3	2957.7	3208.3	3154.1
77.5°	1119.8	1469.1	1665.7	1862.3	2078.8	2295.2	2321.0	2346.8	2180.5	2346.8	2321.0
80°	386.8	546.9	778.0	1009.2	1269.2	1529.4	1541.9	1554.5	1430.9	1554.5	1541.9
82.5°	137.9	207.4	368.2	528.9	718.0	907.1	889.3	871.4	746.1	871.4	889.3
85°	48.0	80.9	178.7	276.6	362.9	449.3	414.1	379.0	307.7	379.0	414.1
87.5°	13.3	24.2	63.7	103.2	124.5	145.8	119.1	92.3	83.6	92.3	119.1
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):

	330°	335°	340°	345°	350°	355°	360°
0°	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	267.5	266.9	266.3	265.1	263.9	263.1	262.3
5°	274.1	272.7	271.2	268.6	265.9	263.7	261.4
7.5°	282.6	278.5	274.6	269.5	264.3	258.7	253.0
10°	310.4	302.5	294.8	284.7	274.6	264.2	253.9
12.5°	371.7	355.8	339.9	323.0	306.1	289.4	272.6
15°	482.9	458.2	433.5	403.9	374.4	342.8	311.2
17.5°	612.7	586.5	560.2	521.0	481.8	435.7	389.5
20°	715.7	698.1	680.5	643.5	606.5	548.5	490.4
22.5°	779.7	781.3	783.0	757.7	732.3	670.7	609.2
25°	801.1	822.7	844.4	849.7	855.0	803.9	752.8
27.5°	796.1	837.3	878.6	916.5	954.4	926.7	899.1
30°	798.6	850.9	903.1	970.6	1038.0	1055.9	1073.8
32.5°	816.8	877.6	938.4	1034.6	1130.7	1193.9	1257.0
35°	842.9	908.1	973.6	1095.4	1217.2	1320.7	1424.2
37.5°	860.8	932.1	1003.6	1151.3	1299.1	1455.0	1610.9
40°	927.5	990.3	1053.1	1225.8	1398.4	1603.4	1808.4
42.5°	1116.2	1145.9	1175.6	1360.2	1544.9	1796.7	2048.5
45°	1472.5	1461.4	1450.4	1658.9	1867.3	2174.8	2482.4
47.5°	2062.7	1988.6	1914.6	2180.6	2446.6	2781.1	3115.6
50°	2891.5	2735.4	2579.4	2911.4	3243.4	3599.0	3954.6
52.5°	3916.8	3651.8	3386.8	3775.4	4163.8	4438.0	4712.3
55°	5205.1	4882.1	4558.9	4966.6	5374.4	5284.8	5195.2
57.5°	6518.4	6185.0	5851.5	6137.0	6422.6	5892.9	5363.3
60°	7404.3	6951.9	6499.3	6521.6	6544.0	5786.0	5028.0
62.5°	7227.0	6589.5	5952.0	5838.3	5724.7	5099.6	4474.4
65°	6481.8	5801.0	5120.3	5032.4	4944.6	4385.4	3826.1
67.5°	5679.1	5100.0	4520.9	4465.6	4410.4	3844.4	3278.3
70°	4905.3	4495.3	4085.4	3993.9	3902.3	3303.8	2705.2
72.5°	4012.6	3728.0	3443.3	3358.8	3274.3	2668.0	2061.8
75°	3099.9	2900.1	2700.6	2589.6	2478.6	1957.7	1436.6
77.5°	2295.2	2078.8	1862.3	1665.7	1469.1	1119.8	770.6
80°	1529.4	1269.2	1009.2	778.0	546.9	386.8	226.8
82.5°	907.1	718.0	528.9	368.2	207.4	137.9	68.5
85°	449.3	362.9	276.6	178.7	80.9	48.0	15.1
87.5°	145.8	124.5	103.2	63.7	24.2	13.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)