

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: P1208913

Luminaire Tested: UPW-SA2-070-827-U-SLR-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208913  
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-SA2-070-827-U-SLR-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR  
RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4520 lumens  
Efficiency: N/A  
Efficacy: 68.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

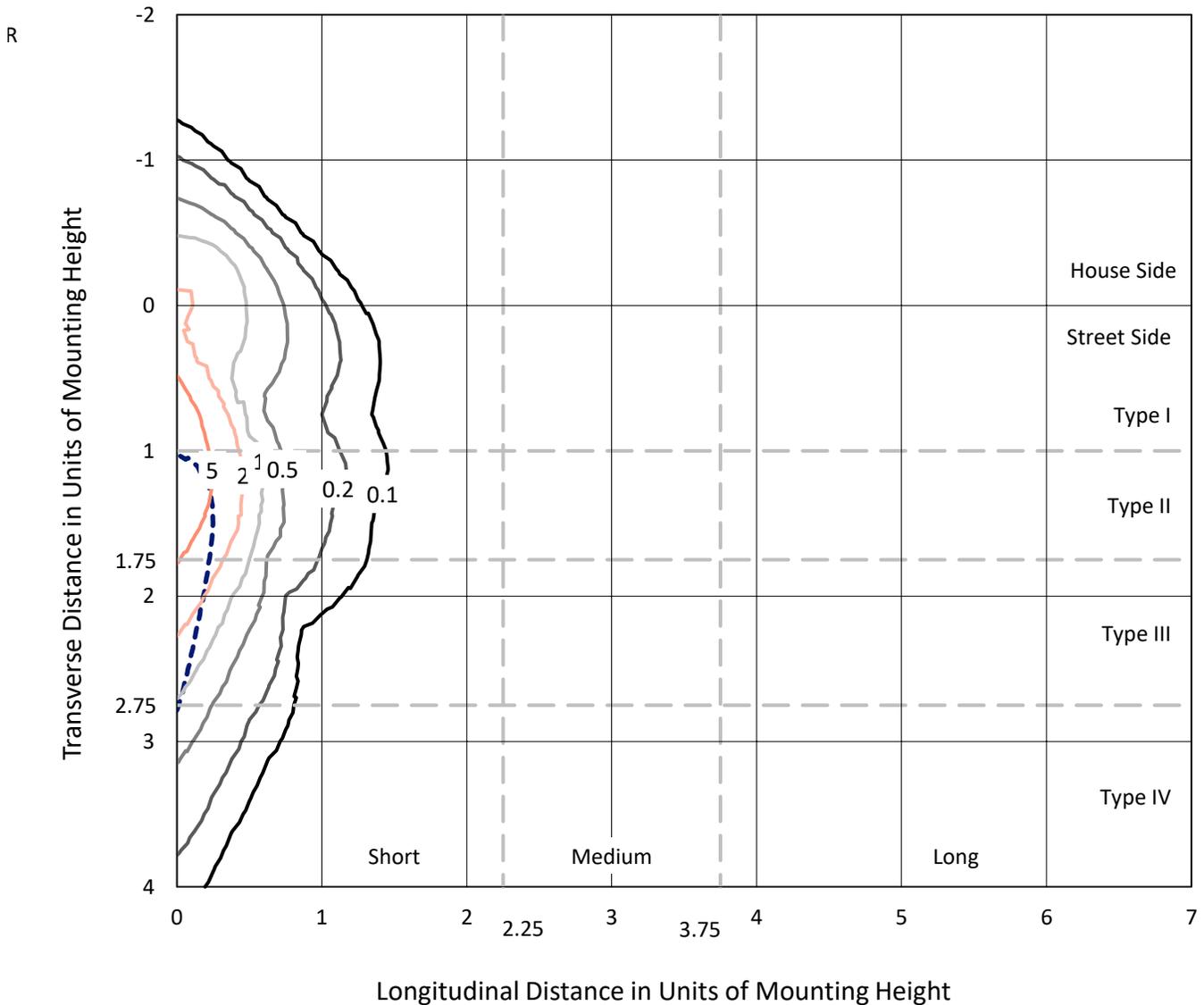
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

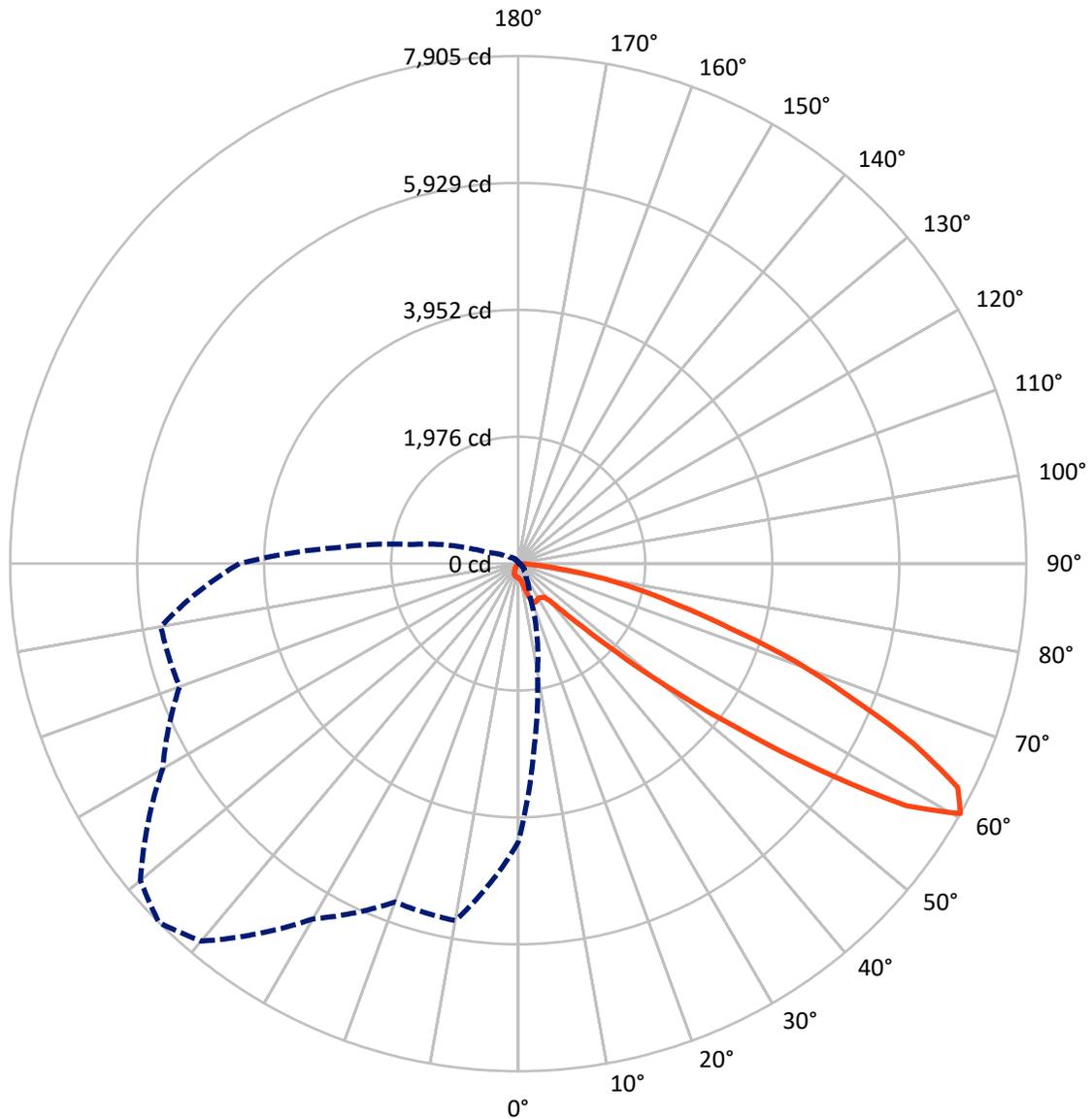
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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
<b>House Side</b>	Lumens	520.7	0.0	520.7
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	3999.3	0.0	3999.3
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	4520.0	0.0	4520.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.6	0.5
10°-20°	69.7	1.5
20°-30°	150.6	3.3
30°-40°	253.8	5.6
40°-50°	512.5	11.3
50°-60°	1318.1	29.2
60°-70°	1433.0	31.7
70°-80°	675.1	14.9
80°-90°	86.7	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°	4520.0	100.0
0°-180°	4520.0	100.0



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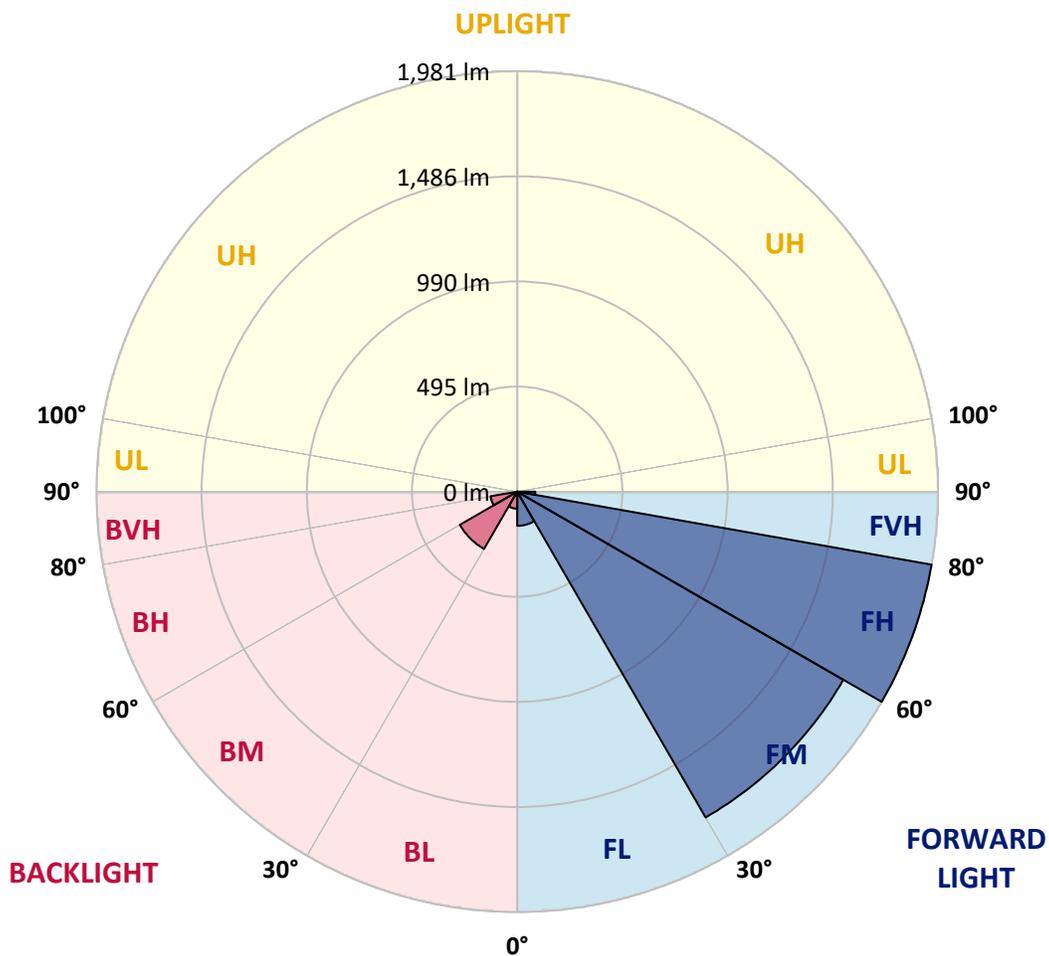
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.9	3.6			
FM	(30°-60°)	1772.6	39.2			
FH	(60°-80°)	1980.7	43.8			G2/5000
FVH	(80°-90°)	85.1	1.9			G1/100
BL	(0°-30°)	80.1	1.8	B0/110		
BM	(30°-60°)	311.7	6.9	B1/1000		
BH	(60°-80°)	127.4	2.8	B1/500		G1/500
BVH	(80°-90°)	1.5	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	226.3	227.1	226.5	225.6	224.6	224.2	223.9	223.6	223.3	222.5	222.2
5°	225.6	222.7	220.4	218.8	217.3	215.9	214.4	212.9	211.4	210.2	208.4
7.5°	218.3	215.3	212.5	210.2	207.9	206.0	204.1	202.7	201.4	200.6	200.4
10°	219.0	215.4	210.6	207.0	203.3	201.0	198.7	196.6	194.5	192.6	193.0
12.5°	235.2	226.1	216.2	208.8	201.6	197.9	194.1	191.8	189.5	188.0	187.1
15°	268.5	250.0	232.1	218.5	204.9	198.3	191.8	188.8	185.8	183.4	180.1
17.5°	336.0	295.5	261.2	236.4	211.6	200.4	189.4	185.3	181.2	178.4	176.6
20°	423.1	361.1	305.4	264.6	223.9	205.9	188.0	182.4	176.8	174.2	171.4
22.5°	525.6	450.4	372.0	309.8	247.7	218.4	189.1	180.5	171.9	168.0	163.6
25°	649.5	557.4	451.3	363.3	275.3	232.0	188.7	176.6	164.6	160.4	157.9
27.5°	775.7	678.2	552.8	436.3	319.8	255.5	191.2	174.8	158.2	153.1	150.5
30°	926.4	816.3	665.8	518.0	370.4	283.7	197.0	174.5	151.9	145.4	143.0
32.5°	1084.5	967.7	791.9	609.6	427.4	315.5	203.7	175.5	147.3	140.4	136.0
35°	1228.7	1121.9	929.7	713.9	498.1	355.8	213.4	176.4	139.3	131.6	127.8
37.5°	1389.8	1291.2	1084.7	831.8	578.9	401.0	223.1	177.2	131.2	122.8	120.3
40°	1560.2	1476.9	1249.4	953.8	658.3	445.3	232.3	178.5	124.7	115.5	112.5
42.5°	1767.3	1674.6	1414.9	1072.3	729.6	485.0	240.5	180.8	121.1	106.6	105.2
45°	2141.7	1959.1	1614.9	1202.3	789.9	518.8	247.8	185.2	122.6	99.0	96.4
47.5°	2688.0	2383.0	1871.1	1348.0	824.8	539.4	254.0	191.9	129.8	94.0	86.4
50°	3411.9	2881.5	2138.3	1487.6	836.9	548.5	260.1	201.9	143.6	99.0	83.6
52.5°	4065.6	3238.9	2286.4	1547.6	808.8	533.4	257.9	208.1	158.2	115.9	88.3
55°	4482.2	3374.7	2287.3	1518.1	748.8	498.0	247.2	208.8	170.5	139.3	99.8
57.5°	4627.2	3203.6	2076.0	1367.3	658.7	448.8	238.8	202.2	165.6	148.5	109.1
60°	4338.0	2850.1	1715.5	1107.5	499.5	372.3	245.1	196.1	147.2	133.5	107.0
62.5°	3860.3	2427.6	1386.5	878.5	370.4	296.5	222.5	174.6	126.7	105.9	95.5
65°	3301.0	2032.3	1119.2	690.1	260.9	226.2	191.4	155.6	119.7	83.2	78.9
67.5°	2828.4	1633.9	861.8	512.6	163.4	148.0	132.6	117.0	101.4	69.4	61.5
70°	2333.9	1265.4	646.0	380.4	114.7	105.7	96.7	88.7	80.7	58.7	47.7
72.5°	1778.8	872.9	426.2	252.9	79.6	73.2	66.7	62.6	58.5	48.3	37.0
75°	1239.5	557.5	262.4	158.9	55.4	50.6	45.9	42.1	38.4	31.8	24.1
77.5°	664.8	292.1	137.7	86.5	35.3	31.6	28.0	24.9	21.6	19.9	15.0
80°	195.6	88.6	47.4	34.6	21.9	19.3	16.9	14.4	11.9	11.1	7.7
82.5°	59.1	27.0	16.9	14.4	11.9	10.4	9.1	7.3	5.5	4.6	3.2
85°	13.0	6.6	5.2	4.8	4.4	3.8	3.2	2.6	1.9	1.2	0.5
87.5°	1.9	0.3	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	222.4	222.7	222.3	221.9	221.3	220.6	221.1	221.7	221.0	220.4	220.5
5°	208.4	208.3	208.8	209.5	209.5	209.6	210.5	211.4	211.7	211.9	212.2
7.5°	199.0	197.8	197.8	197.8	197.9	198.1	198.6	199.1	199.8	200.4	202.1
10°	192.1	191.2	190.7	190.1	189.7	189.4	191.0	192.6	193.0	193.5	195.5
12.5°	185.9	184.8	184.1	183.4	182.6	181.8	182.6	183.4	184.8	186.3	189.0
15°	179.5	178.8	177.9	177.1	176.3	175.5	176.2	176.8	177.6	178.4	181.1
17.5°	174.8	173.0	171.5	169.9	168.6	167.3	166.6	166.1	168.6	171.1	173.5
20°	169.0	166.6	164.6	162.5	160.8	159.2	158.8	158.4	159.5	160.5	163.6
22.5°	161.4	159.4	156.9	154.4	152.1	149.8	149.2	148.5	149.0	149.6	151.1
25°	154.9	151.9	149.2	146.4	143.9	141.6	139.6	137.7	137.8	137.9	138.8
27.5°	147.6	144.9	141.9	139.0	136.3	133.5	131.0	128.5	127.5	126.6	125.8
30°	140.6	138.1	135.1	132.1	128.8	125.4	122.8	120.1	117.3	114.5	112.7
32.5°	133.2	130.4	127.7	125.1	121.8	118.5	113.7	108.9	106.0	103.2	99.8
35°	125.5	123.1	120.1	117.2	113.6	109.9	105.4	100.9	96.0	91.1	86.2
37.5°	118.5	116.6	113.5	110.3	105.8	101.3	96.5	91.7	84.9	78.1	72.4
40°	111.2	109.9	106.8	103.7	98.5	93.2	86.7	80.2	72.8	65.4	59.2
42.5°	103.5	101.9	99.0	96.1	91.0	85.9	78.4	71.0	62.8	54.6	48.3
45°	94.9	93.4	91.5	89.6	83.8	78.1	69.4	60.6	52.9	45.3	39.7
47.5°	85.5	84.5	84.0	83.5	77.3	71.2	62.1	52.9	45.7	38.4	33.1
50°	80.5	77.3	77.3	77.3	71.0	64.8	55.6	46.4	39.7	33.0	28.4
52.5°	79.2	70.0	69.8	69.7	64.1	58.7	49.7	40.7	35.4	30.1	25.7
55°	81.9	64.1	62.5	60.8	55.9	51.0	43.6	36.1	31.3	26.5	22.6
57.5°	85.0	60.8	56.2	51.6	47.5	43.3	37.0	30.7	26.7	22.6	18.9
60°	83.6	60.5	52.2	43.9	40.2	36.4	31.1	25.7	21.8	17.8	14.6
62.5°	78.6	61.8	50.2	38.5	34.7	30.8	25.6	20.3	17.2	14.0	11.1
65°	69.7	60.5	47.9	35.3	30.6	25.9	21.4	16.9	13.4	10.0	7.4
67.5°	54.9	48.2	39.6	31.1	26.0	20.9	16.6	12.3	9.3	6.3	4.1
70°	42.0	36.4	31.9	27.5	21.9	16.3	11.6	6.9	4.6	2.3	1.4
72.5°	31.9	26.9	24.1	21.3	16.6	11.9	7.5	3.1	2.0	0.9	0.6
75°	20.4	16.7	15.3	13.8	11.0	8.3	5.3	2.3	1.5	0.6	0.3
77.5°	12.9	10.7	10.3	9.8	8.1	6.5	4.0	1.5	0.9	0.4	0.2
80°	6.8	6.0	6.0	6.0	4.9	3.8	2.3	0.8	0.4	0.0	0.0
82.5°	2.8	2.3	2.3	2.3	1.9	1.5	0.8	0.0	0.0	0.0	0.0
85°	0.6	0.8	0.7	0.6	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	220.6	219.8	219.0	218.2	217.3	217.1	217.3	218.2	219.0	219.8	220.6
5°	212.5	212.7	212.9	213.0	213.1	213.3	213.1	213.0	212.9	212.7	212.5
7.5°	203.7	204.5	205.5	206.5	207.5	209.5	207.5	206.5	205.5	204.5	203.7
10°	197.3	198.4	199.5	200.3	201.2	202.6	201.2	200.3	199.5	198.4	197.3
12.5°	191.8	194.0	196.0	196.5	197.0	197.2	197.0	196.5	196.0	194.0	191.8
15°	184.0	186.4	188.7	189.9	191.0	191.8	191.0	189.9	188.7	186.4	184.0
17.5°	175.9	178.4	180.9	183.1	185.3	186.4	185.3	183.1	180.9	178.4	175.9
20°	166.6	169.7	172.8	173.8	174.8	174.2	174.8	173.8	172.8	169.7	166.6
22.5°	152.7	155.0	157.3	159.0	160.7	162.7	160.7	159.0	157.3	155.0	152.7
25°	139.6	140.5	141.3	142.3	143.3	144.2	143.3	142.3	141.3	140.5	139.6
27.5°	124.9	124.7	124.4	124.3	124.1	123.5	124.1	124.3	124.4	124.7	124.9
30°	110.9	108.9	107.0	105.6	104.2	103.6	104.2	105.6	107.0	108.9	110.9
32.5°	96.5	93.0	89.6	87.3	85.0	83.6	85.0	87.3	89.6	93.0	96.5
35°	81.3	76.7	72.1	69.5	66.9	66.0	66.9	69.5	72.1	76.7	81.3
37.5°	66.7	62.1	57.4	54.6	52.0	50.6	52.0	54.6	57.4	62.1	66.7
40°	53.1	48.6	44.1	41.8	39.5	38.4	39.5	41.8	44.1	48.6	53.1
42.5°	41.8	38.0	34.1	32.1	29.9	28.4	29.9	32.1	34.1	38.0	41.8
45°	34.1	30.5	26.9	25.2	23.6	23.0	23.6	25.2	26.9	30.5	34.1
47.5°	28.0	24.6	21.3	19.8	18.3	17.6	18.3	19.8	21.3	24.6	28.0
50°	23.8	20.6	17.5	16.0	14.4	13.8	14.4	16.0	17.5	20.6	23.8
52.5°	21.3	18.0	14.6	13.0	11.5	10.7	11.5	13.0	14.6	18.0	21.3
55°	18.6	15.0	11.5	9.9	8.3	7.7	8.3	9.9	11.5	15.0	18.6
57.5°	15.2	11.8	8.4	7.1	5.8	5.4	5.8	7.1	8.4	11.8	15.2
60°	11.4	8.4	5.4	4.0	2.7	2.3	2.7	4.0	5.4	8.4	11.4
62.5°	8.3	5.4	2.7	1.5	0.2	0.0	0.2	1.5	2.7	5.4	8.3
65°	4.8	2.9	0.9	0.5	0.0	0.0	0.0	0.5	0.9	2.9	4.8
67.5°	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9
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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	220.5	220.4	221.0	221.7	221.1	220.6	221.3	221.9	222.3	222.7	222.4
5°	212.2	211.9	211.7	211.4	210.5	209.6	209.5	209.5	208.8	208.3	208.4
7.5°	202.1	200.4	199.8	199.1	198.6	198.1	197.9	197.8	197.8	197.8	199.0
10°	195.5	193.5	193.0	192.6	191.0	189.4	189.7	190.1	190.7	191.2	192.1
12.5°	189.0	186.3	184.8	183.4	182.6	181.8	182.6	183.4	184.1	184.8	185.9
15°	181.1	178.4	177.6	176.8	176.2	175.5	176.3	177.1	177.9	178.8	179.5
17.5°	173.5	171.1	168.6	166.1	166.6	167.3	168.6	169.9	171.5	173.0	174.8
20°	163.6	160.5	159.5	158.4	158.8	159.2	160.8	162.5	164.6	166.6	169.0
22.5°	151.1	149.6	149.0	148.5	149.2	149.8	152.1	154.4	156.9	159.4	161.4
25°	138.8	137.9	137.8	137.7	139.6	141.6	143.9	146.4	149.2	151.9	154.9
27.5°	125.8	126.6	127.5	128.5	131.0	133.5	136.3	139.0	141.9	144.9	147.6
30°	112.7	114.5	117.3	120.1	122.8	125.4	128.8	132.1	135.1	138.1	140.6
32.5°	99.8	103.2	106.0	108.9	113.7	118.5	121.8	125.1	127.7	130.4	133.2
35°	86.2	91.1	96.0	100.9	105.4	109.9	113.6	117.2	120.1	123.1	125.5
37.5°	72.4	78.1	84.9	91.7	96.5	101.3	105.8	110.3	113.5	116.6	118.5
40°	59.2	65.4	72.8	80.2	86.7	93.2	98.5	103.7	106.8	109.9	111.2
42.5°	48.3	54.6	62.8	71.0	78.4	85.9	91.0	96.1	99.0	101.9	103.5
45°	39.7	45.3	52.9	60.6	69.4	78.1	83.8	89.6	91.5	93.4	94.9
47.5°	33.1	38.4	45.7	52.9	62.1	71.2	77.3	83.5	84.0	84.5	85.5
50°	28.4	33.0	39.7	46.4	55.6	64.8	71.0	77.3	77.3	77.3	80.5
52.5°	25.7	30.1	35.4	40.7	49.7	58.7	64.1	69.7	69.8	70.0	79.2
55°	22.6	26.5	31.3	36.1	43.6	51.0	55.9	60.8	62.5	64.1	81.9
57.5°	18.9	22.6	26.7	30.7	37.0	43.3	47.5	51.6	56.2	60.8	85.0
60°	14.6	17.8	21.8	25.7	31.1	36.4	40.2	43.9	52.2	60.5	83.6
62.5°	11.1	14.0	17.2	20.3	25.6	30.8	34.7	38.5	50.2	61.8	78.6
65°	7.4	10.0	13.4	16.9	21.4	25.9	30.6	35.3	47.9	60.5	69.7
67.5°	4.1	6.3	9.3	12.3	16.6	20.9	26.0	31.1	39.6	48.2	54.9
70°	1.4	2.3	4.6	6.9	11.6	16.3	21.9	27.5	31.9	36.4	42.0
72.5°	0.6	0.9	2.0	3.1	7.5	11.9	16.6	21.3	24.1	26.9	31.9
75°	0.3	0.6	1.5	2.3	5.3	8.3	11.0	13.8	15.3	16.7	20.4
77.5°	0.2	0.4	0.9	1.5	4.0	6.5	8.1	9.8	10.3	10.7	12.9
80°	0.0	0.0	0.4	0.8	2.3	3.8	4.9	6.0	6.0	6.0	6.8
82.5°	0.0	0.0	0.0	0.0	0.8	1.5	1.9	2.3	2.3	2.3	2.8
85°	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.6
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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	222.2	222.5	223.3	223.6	223.9	224.2	224.6	225.6	226.5	227.1	226.3
5°	208.4	210.2	211.4	212.9	214.4	215.9	217.3	218.8	220.4	222.7	225.6
7.5°	200.4	200.6	201.4	202.7	204.1	206.0	207.9	210.2	212.5	215.3	218.3
10°	193.0	192.6	194.5	196.6	198.7	201.0	203.3	207.0	210.6	215.4	219.0
12.5°	187.1	188.0	189.5	191.8	194.1	197.9	201.6	208.8	216.2	226.1	235.2
15°	180.1	183.4	185.8	188.8	191.8	198.3	204.9	218.5	232.1	250.0	268.5
17.5°	176.6	178.4	181.2	185.3	189.4	200.4	211.6	236.4	261.2	295.5	336.0
20°	171.4	174.2	176.8	182.4	188.0	205.9	223.9	264.6	305.4	361.1	423.1
22.5°	163.6	168.0	171.9	180.5	189.1	218.4	247.7	309.8	372.0	450.4	525.6
25°	157.9	160.4	164.6	176.6	188.7	232.0	275.3	363.3	451.3	557.4	649.5
27.5°	150.5	153.1	158.2	174.8	191.2	255.5	319.8	436.3	552.8	678.2	775.7
30°	143.0	145.4	151.9	174.5	197.0	283.7	370.4	518.0	665.8	816.3	926.4
32.5°	136.0	140.4	147.3	175.5	203.7	315.5	427.4	609.6	791.9	967.7	1084.5
35°	127.8	131.6	139.3	176.4	213.4	355.8	498.1	713.9	929.7	1121.9	1228.7
37.5°	120.3	122.8	131.2	177.2	223.1	401.0	578.9	831.8	1084.7	1291.2	1389.8
40°	112.5	115.5	124.7	178.5	232.3	445.3	658.3	953.8	1249.4	1476.9	1560.2
42.5°	105.2	106.6	121.1	180.8	240.5	485.0	729.6	1072.3	1414.9	1674.6	1767.3
45°	96.4	99.0	122.6	185.2	247.8	518.8	789.9	1202.3	1614.9	1959.1	2141.7
47.5°	86.4	94.0	129.8	191.9	254.0	539.4	824.8	1348.0	1871.1	2383.0	2688.0
50°	83.6	99.0	143.6	201.9	260.1	548.5	836.9	1487.6	2138.3	2881.5	3411.9
52.5°	88.3	115.9	158.2	208.1	257.9	533.4	808.8	1547.6	2286.4	3238.9	4065.6
55°	99.8	139.3	170.5	208.8	247.2	498.0	748.8	1518.1	2287.3	3374.7	4482.2
57.5°	109.1	148.5	165.6	202.2	238.8	448.8	658.7	1367.3	2076.0	3203.6	4627.2
60°	107.0	133.5	147.2	196.1	245.1	372.3	499.5	1107.5	1715.5	2850.1	4338.0
62.5°	95.5	105.9	126.7	174.6	222.5	296.5	370.4	878.5	1386.5	2427.6	3860.3
65°	78.9	83.2	119.7	155.6	191.4	226.2	260.9	690.1	1119.2	2032.3	3301.0
67.5°	61.5	69.4	101.4	117.0	132.6	148.0	163.4	512.6	861.8	1633.9	2828.4
70°	47.7	58.7	80.7	88.7	96.7	105.7	114.7	380.4	646.0	1265.4	2333.9
72.5°	37.0	48.3	58.5	62.6	66.7	73.2	79.6	252.9	426.2	872.9	1778.8
75°	24.1	31.8	38.4	42.1	45.9	50.6	55.4	158.9	262.4	557.5	1239.5
77.5°	15.0	19.9	21.6	24.9	28.0	31.6	35.3	86.5	137.7	292.1	664.8
80°	7.7	11.1	11.9	14.4	16.9	19.3	21.9	34.6	47.4	88.6	195.6
82.5°	3.2	4.6	5.5	7.3	9.1	10.4	11.9	14.4	16.9	27.0	59.1
85°	0.5	1.2	1.9	2.6	3.2	3.8	4.4	4.8	5.2	6.6	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9
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):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	227.0	227.7	228.7	229.8	230.2	230.8	231.0	231.2	229.4	231.2	231.0
5°	227.5	229.4	231.7	234.0	235.2	236.5	237.1	237.7	239.4	237.7	237.1
7.5°	223.2	228.0	232.5	236.9	240.3	243.8	246.7	249.7	251.7	249.7	246.7
10°	227.9	236.9	245.6	254.3	261.0	267.8	272.3	276.8	279.3	276.8	272.3
12.5°	249.7	264.1	278.7	293.2	307.0	320.7	329.8	339.0	345.3	339.0	329.8
15°	295.8	323.0	348.5	374.0	395.3	416.6	427.9	439.2	440.4	439.2	427.9
17.5°	375.9	415.7	449.5	483.4	506.0	528.6	539.4	550.3	553.2	550.3	539.4
20°	473.2	523.3	555.2	587.1	602.3	617.5	623.1	628.8	625.3	628.8	623.1
22.5°	578.6	631.8	653.7	675.6	674.1	672.7	668.0	663.2	655.2	663.2	668.0
25°	693.6	737.7	733.1	728.5	709.8	691.1	675.3	659.5	652.2	659.5	675.3
27.5°	799.5	823.4	790.7	758.0	722.4	686.8	665.7	644.6	631.4	644.6	665.7
30°	911.0	895.5	837.4	779.1	734.1	689.0	664.0	639.0	623.8	639.0	664.0
32.5°	1030.0	975.5	892.6	809.6	757.2	704.7	675.8	646.8	628.4	646.8	675.8
35°	1139.4	1050.2	945.1	840.0	783.5	727.2	693.7	660.4	646.0	660.4	693.7
37.5°	1255.3	1120.8	993.3	865.8	804.2	742.7	712.0	681.4	666.0	681.4	712.0
40°	1383.3	1206.5	1057.6	908.6	854.4	800.2	780.1	760.0	755.7	760.0	780.1
42.5°	1550.1	1332.8	1173.6	1014.3	988.7	963.0	969.9	976.6	1004.3	976.6	969.9
45°	1876.4	1611.0	1431.2	1251.4	1260.9	1270.4	1322.6	1375.0	1405.6	1375.0	1322.6
47.5°	2399.5	2110.8	1881.3	1651.9	1715.7	1779.6	1906.5	2033.5	2060.8	2033.5	1906.5
50°	3105.1	2798.3	2511.9	2225.4	2360.0	2494.7	2737.3	2979.8	3019.8	2979.8	2737.3
52.5°	3829.0	3592.4	3257.2	2922.0	3150.7	3379.3	3735.4	4091.5	4200.6	4091.5	3735.4
55°	4559.5	4636.8	4285.0	3933.2	4212.1	4490.8	4960.0	5429.3	5638.4	5429.3	4960.0
57.5°	5084.2	5541.1	5294.8	5048.4	5336.1	5623.8	6203.7	6783.6	7113.8	6783.6	6203.7
60°	4991.9	5645.9	5626.6	5607.3	5997.8	6388.2	7031.3	7674.4	7904.8	7674.4	7031.3
62.5°	4399.7	4939.1	5037.1	5135.1	5685.1	6235.2	6835.8	7436.4	7672.4	7436.4	6835.8
65°	3783.5	4266.0	4341.8	4417.6	5004.8	5592.2	6134.7	6677.1	6757.1	6677.1	6134.7
67.5°	3316.8	3805.1	3852.8	3900.5	4400.1	4899.7	5301.9	5704.1	5605.4	5704.1	5301.9
70°	2850.4	3366.8	3445.7	3524.7	3878.4	4232.1	4467.2	4702.2	4583.5	4702.2	4467.2
72.5°	2301.9	2825.0	2897.9	2970.7	3216.3	3461.9	3578.2	3694.4	3460.2	3694.4	3578.2
75°	1689.0	2138.4	2234.2	2329.9	2502.1	2674.4	2721.2	2768.0	2551.8	2768.0	2721.2
77.5°	966.1	1267.5	1437.1	1606.7	1793.5	1980.2	2002.5	2024.7	1881.3	2024.7	2002.5
80°	333.7	471.9	671.3	870.7	1095.0	1319.5	1330.3	1341.1	1234.5	1341.1	1330.3
82.5°	119.0	178.9	317.6	456.4	619.5	782.6	767.2	751.8	643.7	751.8	767.2
85°	41.4	69.8	154.2	238.6	313.1	387.6	357.3	327.0	265.5	327.0	357.3
87.5°	11.4	20.9	54.9	89.0	107.4	125.8	102.7	79.6	72.1	79.6	102.7
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):**

	330°	335°	340°	345°	350°	355°	360°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	230.8	230.2	229.8	228.7	227.7	227.0	226.3
5°	236.5	235.2	234.0	231.7	229.4	227.5	225.6
7.5°	243.8	240.3	236.9	232.5	228.0	223.2	218.3
10°	267.8	261.0	254.3	245.6	236.9	227.9	219.0
12.5°	320.7	307.0	293.2	278.7	264.1	249.7	235.2
15°	416.6	395.3	374.0	348.5	323.0	295.8	268.5
17.5°	528.6	506.0	483.4	449.5	415.7	375.9	336.0
20°	617.5	602.3	587.1	555.2	523.3	473.2	423.1
22.5°	672.7	674.1	675.6	653.7	631.8	578.6	525.6
25°	691.1	709.8	728.5	733.1	737.7	693.6	649.5
27.5°	686.8	722.4	758.0	790.7	823.4	799.5	775.7
30°	689.0	734.1	779.1	837.4	895.5	911.0	926.4
32.5°	704.7	757.2	809.6	892.6	975.5	1030.0	1084.5
35°	727.2	783.5	840.0	945.1	1050.2	1139.4	1228.7
37.5°	742.7	804.2	865.8	993.3	1120.8	1255.3	1389.8
40°	800.2	854.4	908.6	1057.6	1206.5	1383.3	1560.2
42.5°	963.0	988.7	1014.3	1173.6	1332.8	1550.1	1767.3
45°	1270.4	1260.9	1251.4	1431.2	1611.0	1876.4	2141.7
47.5°	1779.6	1715.7	1651.9	1881.3	2110.8	2399.5	2688.0
50°	2494.7	2360.0	2225.4	2511.9	2798.3	3105.1	3411.9
52.5°	3379.3	3150.7	2922.0	3257.2	3592.4	3829.0	4065.6
55°	4490.8	4212.1	3933.2	4285.0	4636.8	4559.5	4482.2
57.5°	5623.8	5336.1	5048.4	5294.8	5541.1	5084.2	4627.2
60°	6388.2	5997.8	5607.3	5626.6	5645.9	4991.9	4338.0
62.5°	6235.2	5685.1	5135.1	5037.1	4939.1	4399.7	3860.3
65°	5592.2	5004.8	4417.6	4341.8	4266.0	3783.5	3301.0
67.5°	4899.7	4400.1	3900.5	3852.8	3805.1	3316.8	2828.4
70°	4232.1	3878.4	3524.7	3445.7	3366.8	2850.4	2333.9
72.5°	3461.9	3216.3	2970.7	2897.9	2825.0	2301.9	1778.8
75°	2674.4	2502.1	2329.9	2234.2	2138.4	1689.0	1239.5
77.5°	1980.2	1793.5	1606.7	1437.1	1267.5	966.1	664.8
80°	1319.5	1095.0	870.7	671.3	471.9	333.7	195.6
82.5°	782.6	619.5	456.4	317.6	178.9	119.0	59.1
85°	387.6	313.1	238.6	154.2	69.8	41.4	13.0
87.5°	125.8	107.4	89.0	54.9	20.9	11.4	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)