

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: P1208533

Luminaire Tested: UPW-SA1-070-730-U-SLL-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208533  
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-SA1-070-730-U-SLL-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA 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: 4771 lumens  
Efficiency: N/A  
Efficacy: 71.2 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

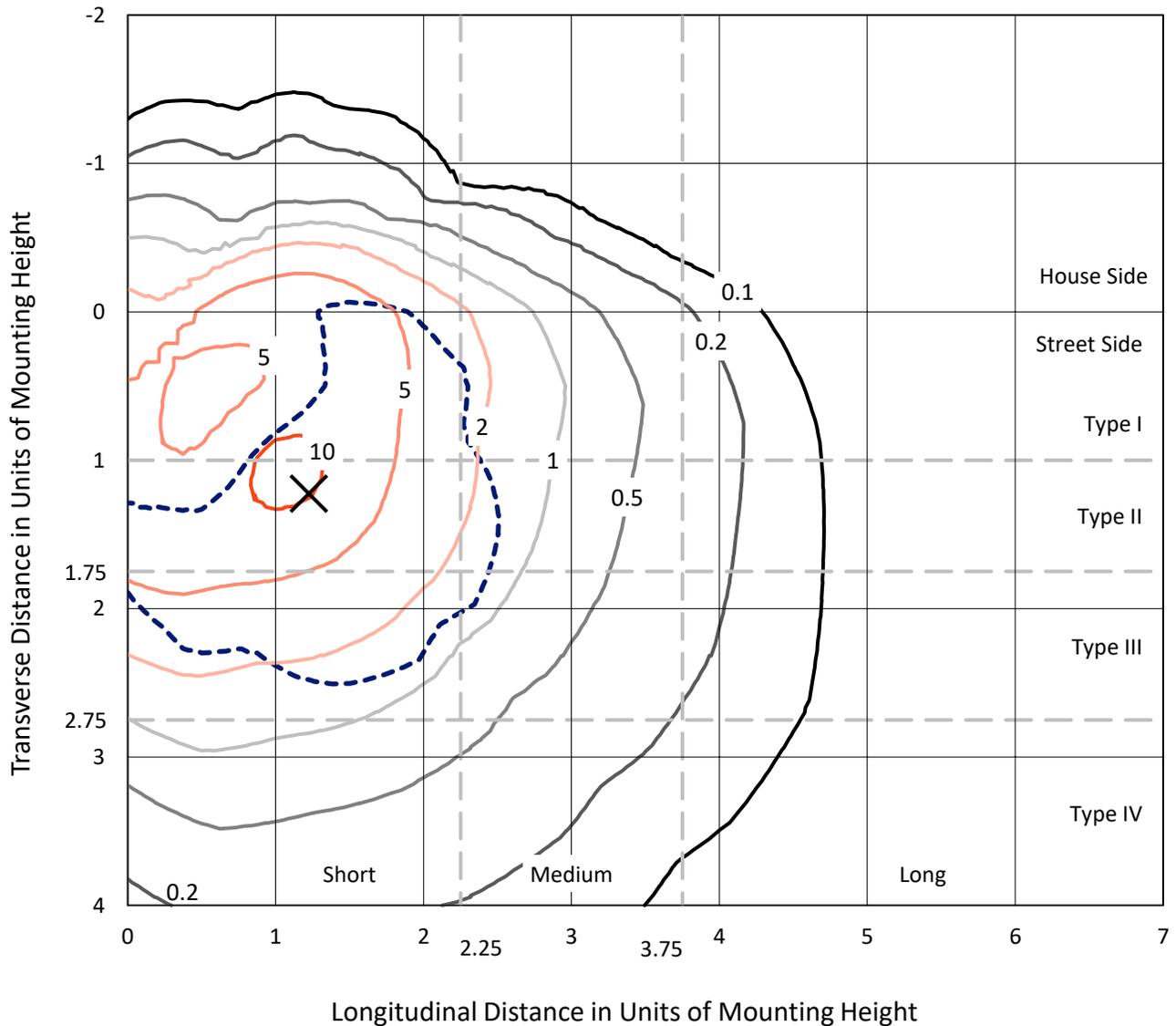
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

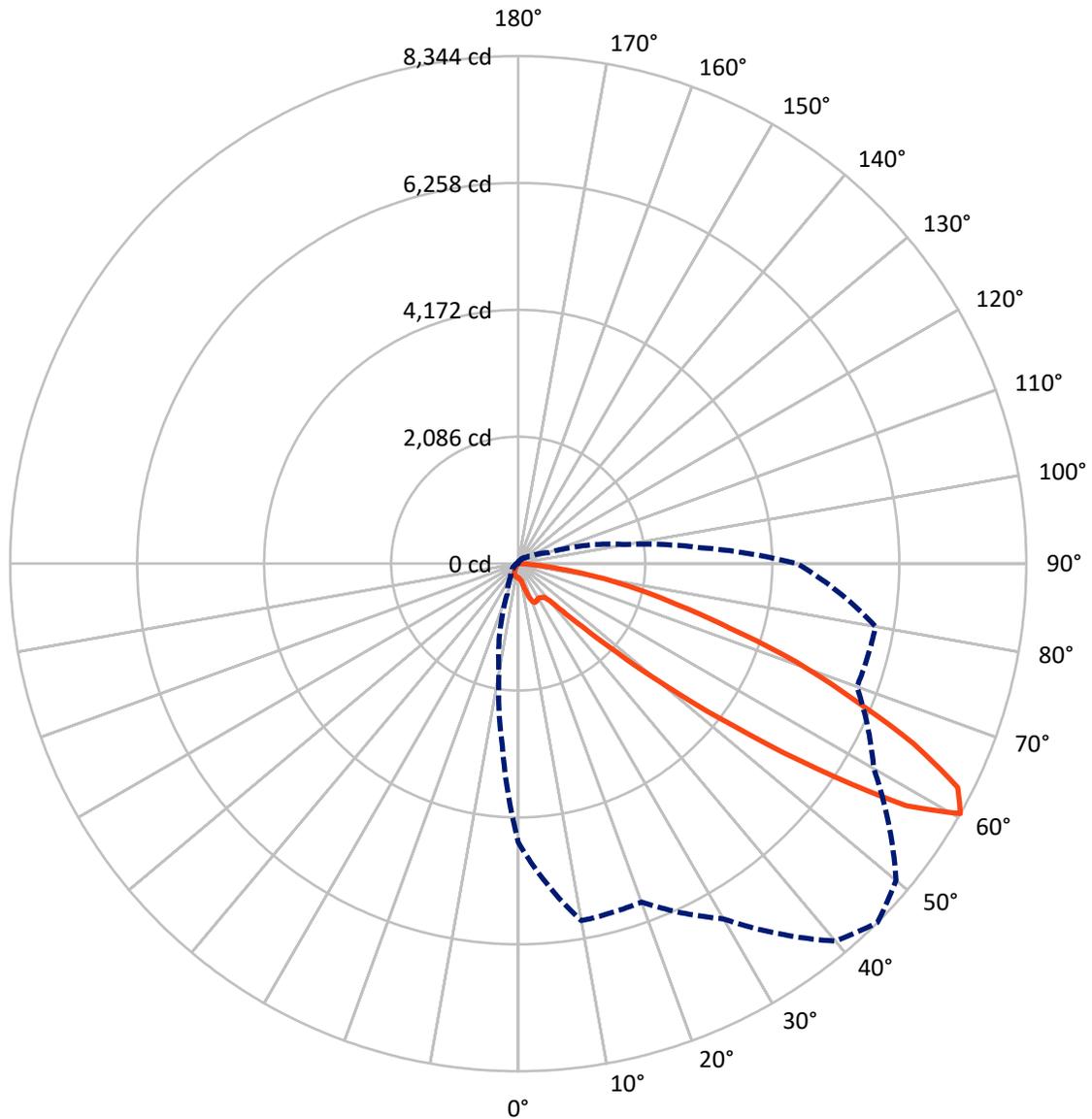
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	549.6	0.0	549.6
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	4221.4	0.0	4221.4
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	4771.0	0.0	4771.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	0.5
10°-20°	73.6	1.5
20°-30°	159.0	3.3
30°-40°	267.8	5.6
40°-50°	540.9	11.3
50°-60°	1391.3	29.2
60°-70°	1512.6	31.7
70°-80°	712.6	14.9
80°-90°	91.5	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°	4771.0	100.0
0°-180°	4771.0	100.0

**Coefficient of Utilization**



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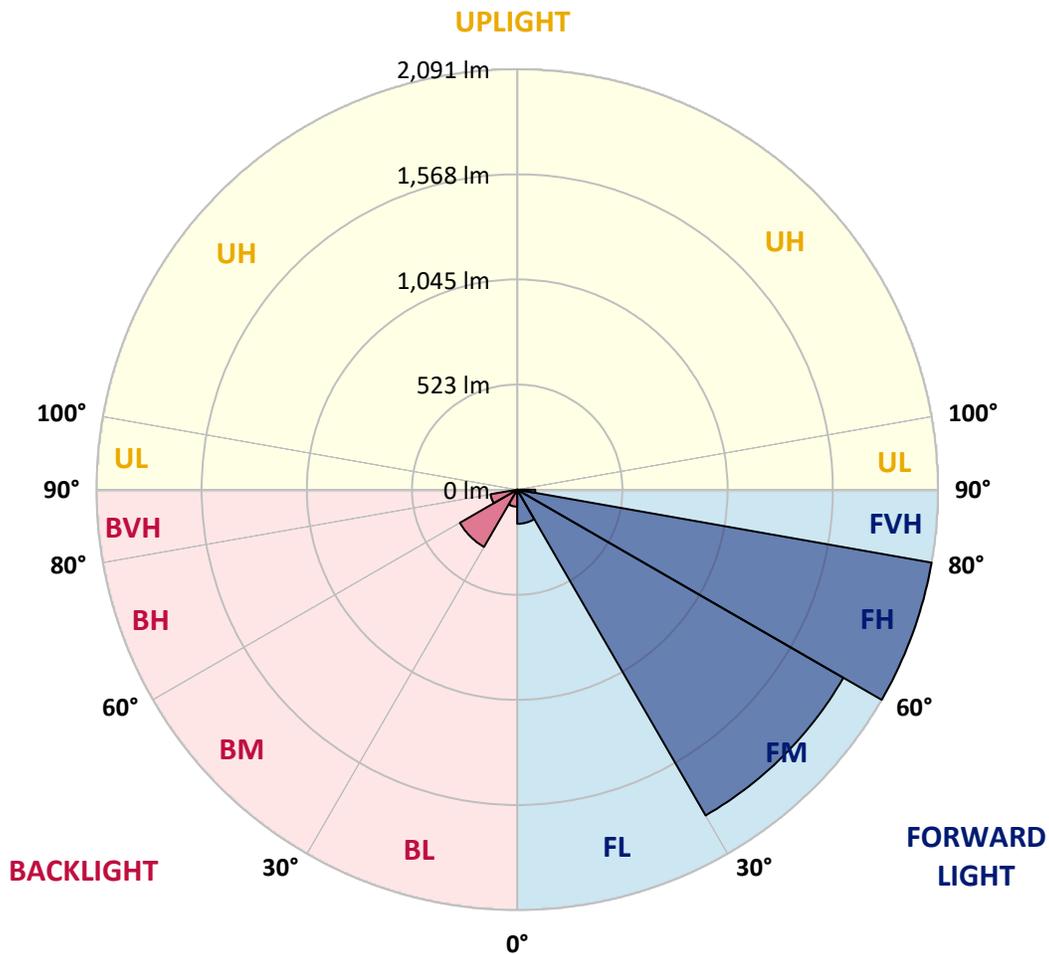
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.8	3.6			
FM	(30°-60°)	1871.0	39.2			
FH	(60°-80°)	2090.7	43.8			G2/5000
FVH	(80°-90°)	89.9	1.9			G1/100
BL	(0°-30°)	84.5	1.8	B0/110		
BM	(30°-60°)	329.0	6.9	B1/1000		
BH	(60°-80°)	134.5	2.8	B1/500		G1/500
BVH	(80°-90°)	1.6	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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	238.9	239.6	240.4	241.4	242.5	243.0	243.6	243.8	244.1	242.1	244.1
5°	238.1	240.1	242.1	244.6	247.0	248.3	249.6	250.2	250.9	252.7	250.9
7.5°	230.4	235.6	240.7	245.4	250.1	253.6	257.4	260.4	263.5	265.6	263.5
10°	231.2	240.6	250.1	259.2	268.5	275.5	282.6	287.4	292.2	294.8	292.2
12.5°	248.2	263.5	278.7	294.1	309.5	324.0	338.5	348.2	357.8	364.4	357.8
15°	283.4	312.2	340.9	367.8	394.8	417.2	439.7	451.6	463.6	464.8	463.6
17.5°	354.7	396.7	438.8	474.5	510.2	534.1	558.0	569.4	580.8	583.9	580.8
20°	446.6	499.5	552.3	586.0	619.7	635.7	651.8	657.8	663.7	660.0	663.7
22.5°	554.7	610.8	666.9	690.0	713.1	711.5	710.1	705.0	700.0	691.6	700.0
25°	685.5	732.1	778.7	773.8	768.9	749.2	729.5	712.8	696.1	688.4	696.1
27.5°	818.8	843.9	869.1	834.6	800.1	762.5	725.0	702.7	680.3	666.5	680.3
30°	977.9	961.6	945.2	883.9	822.4	774.9	727.2	700.8	674.4	658.4	674.4
32.5°	1144.7	1087.2	1029.7	942.2	854.5	799.2	743.8	713.3	682.7	663.3	682.7
35°	1297.0	1202.7	1108.5	997.6	886.6	827.0	767.6	732.3	697.1	681.9	697.1
37.5°	1467.0	1325.0	1183.0	1048.4	913.9	848.9	783.9	751.5	719.2	702.9	719.2
40°	1646.8	1460.1	1273.5	1116.3	959.0	901.8	844.7	823.4	802.2	797.7	802.2
42.5°	1865.5	1636.2	1406.9	1238.7	1070.6	1043.6	1016.5	1023.7	1030.8	1060.1	1030.8
45°	2260.7	1980.5	1700.5	1510.7	1320.9	1330.9	1340.9	1396.1	1451.3	1483.6	1451.3
47.5°	2837.3	2532.7	2228.0	1985.8	1743.6	1811.0	1878.4	2012.4	2146.4	2175.2	2146.4
50°	3601.4	3277.5	2953.7	2651.3	2348.9	2491.1	2633.2	2889.3	3145.3	3187.5	3145.3
52.5°	4291.4	4041.6	3791.8	3438.1	3084.3	3325.6	3566.9	3942.8	4318.7	4433.9	4318.7
55°	4731.1	4812.7	4894.3	4523.0	4151.7	4446.0	4740.2	5235.5	5730.8	5951.5	5730.8
57.5°	4884.2	5366.5	5848.8	5588.8	5328.8	5632.4	5936.1	6548.2	7160.3	7508.9	7160.3
60°	4578.8	5269.2	5959.5	5939.1	5918.7	6330.9	6742.9	7421.7	8100.5	8343.8	8100.5
62.5°	4074.7	4644.0	5213.4	5316.8	5420.3	6000.8	6581.4	7215.4	7849.3	8098.4	7849.3
65°	3484.3	3993.7	4502.9	4582.9	4662.9	5282.8	5902.8	6475.3	7047.9	7132.3	7047.9
67.5°	2985.5	3500.9	4016.4	4066.7	4117.1	4644.4	5171.8	5596.3	6020.8	5916.7	6020.8
70°	2463.5	3008.6	3553.7	3637.1	3720.4	4093.8	4467.1	4715.2	4963.4	4838.0	4963.4
72.5°	1877.6	2429.7	2981.8	3058.8	3135.7	3394.9	3654.2	3776.9	3899.5	3652.4	3899.5
75°	1308.3	1782.8	2257.2	2358.3	2459.3	2641.1	2822.9	2872.3	2921.7	2693.5	2921.7
77.5°	701.7	1019.8	1337.9	1516.9	1696.0	1893.1	2090.2	2113.7	2137.2	1985.7	2137.2
80°	206.5	352.3	498.1	708.5	919.0	1155.8	1392.8	1404.2	1415.6	1303.0	1415.6
82.5°	62.4	125.6	188.9	335.3	481.7	653.9	826.0	809.8	793.6	679.5	793.6
85°	13.8	43.7	73.7	162.8	251.9	330.5	409.1	377.1	345.2	280.2	345.2
87.5°	2.0	12.1	22.0	58.0	93.9	113.4	132.8	108.4	84.1	76.1	84.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	243.8	243.6	243.0	242.5	241.4	240.4	239.6	238.9	239.7	239.1	238.1
5°	250.2	249.6	248.3	247.0	244.6	242.1	240.1	238.1	235.0	232.6	231.0
7.5°	260.4	257.4	253.6	250.1	245.4	240.7	235.6	230.4	227.2	224.3	221.9
10°	287.4	282.6	275.5	268.5	259.2	250.1	240.6	231.2	227.3	222.3	218.5
12.5°	348.2	338.5	324.0	309.5	294.1	278.7	263.5	248.2	238.7	228.2	220.4
15°	451.6	439.7	417.2	394.8	367.8	340.9	312.2	283.4	263.8	245.0	230.6
17.5°	569.4	558.0	534.1	510.2	474.5	438.8	396.7	354.7	311.9	275.8	249.5
20°	657.8	651.8	635.7	619.7	586.0	552.3	499.5	446.6	381.1	322.3	279.3
22.5°	705.0	710.1	711.5	713.1	690.0	666.9	610.8	554.7	475.4	392.6	327.0
25°	712.8	729.5	749.2	768.9	773.8	778.7	732.1	685.5	588.4	476.3	383.5
27.5°	702.7	725.0	762.5	800.1	834.6	869.1	843.9	818.8	715.8	583.5	460.5
30°	700.8	727.2	774.9	822.4	883.9	945.2	961.6	977.9	861.6	702.8	546.8
32.5°	713.3	743.8	799.2	854.5	942.2	1029.7	1087.2	1144.7	1021.5	835.9	643.5
35°	732.3	767.6	827.0	886.6	997.6	1108.5	1202.7	1297.0	1184.2	981.4	753.6
37.5°	751.5	783.9	848.9	913.9	1048.4	1183.0	1325.0	1467.0	1362.9	1145.0	877.9
40°	823.4	844.7	901.8	959.0	1116.3	1273.5	1460.1	1646.8	1558.9	1318.8	1006.8
42.5°	1023.7	1016.5	1043.6	1070.6	1238.7	1406.9	1636.2	1865.5	1767.6	1493.5	1131.8
45°	1396.1	1340.9	1330.9	1320.9	1510.7	1700.5	1980.5	2260.7	2067.8	1704.6	1269.1
47.5°	2012.4	1878.4	1811.0	1743.6	1985.8	2228.0	2532.7	2837.3	2515.4	1975.0	1422.8
50°	2889.3	2633.2	2491.1	2348.9	2651.3	2953.7	3277.5	3601.4	3041.5	2257.0	1570.2
52.5°	3942.8	3566.9	3325.6	3084.3	3438.1	3791.8	4041.6	4291.4	3418.7	2413.3	1633.5
55°	5235.5	4740.2	4446.0	4151.7	4523.0	4894.3	4812.7	4731.1	3562.1	2414.3	1602.4
57.5°	6548.2	5936.1	5632.4	5328.8	5588.8	5848.8	5366.5	4884.2	3381.5	2191.3	1443.2
60°	7421.7	6742.9	6330.9	5918.7	5939.1	5959.5	5269.2	4578.8	3008.3	1810.8	1169.0
62.5°	7215.4	6581.4	6000.8	5420.3	5316.8	5213.4	4644.0	4074.7	2562.4	1463.5	927.3
65°	6475.3	5902.8	5282.8	4662.9	4582.9	4502.9	3993.7	3484.3	2145.2	1181.4	728.4
67.5°	5596.3	5171.8	4644.4	4117.1	4066.7	4016.4	3500.9	2985.5	1724.6	909.6	541.1
70°	4715.2	4467.1	4093.8	3720.4	3637.1	3553.7	3008.6	2463.5	1335.7	681.9	401.5
72.5°	3776.9	3654.2	3394.9	3135.7	3058.8	2981.8	2429.7	1877.6	921.4	449.9	266.9
75°	2872.3	2822.9	2641.1	2459.3	2358.3	2257.2	1782.8	1308.3	588.4	277.0	167.7
77.5°	2113.7	2090.2	1893.1	1696.0	1516.9	1337.9	1019.8	701.7	308.3	145.4	91.4
80°	1404.2	1392.8	1155.8	919.0	708.5	498.1	352.3	206.5	93.5	50.0	36.5
82.5°	809.8	826.0	653.9	481.7	335.3	188.9	125.6	62.4	28.5	17.8	15.2
85°	377.1	409.1	330.5	251.9	162.8	73.7	43.7	13.8	7.0	5.5	5.0
87.5°	108.4	132.8	113.4	93.9	58.0	22.0	12.1	2.0	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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	237.1	236.6	236.3	236.0	235.7	234.9	234.5	234.8	235.0	234.7	234.2
5°	229.3	227.9	226.4	224.7	223.1	221.9	220.0	220.0	219.9	220.4	221.1
7.5°	219.5	217.4	215.4	214.0	212.6	211.8	211.5	210.1	208.8	208.8	208.8
10°	214.6	212.2	209.7	207.5	205.3	203.3	203.7	202.8	201.8	201.2	200.7
12.5°	212.8	208.9	204.9	202.5	200.0	198.4	197.4	196.2	195.0	194.3	193.6
15°	216.2	209.3	202.5	199.3	196.1	193.6	190.2	189.4	188.7	187.8	186.9
17.5°	223.4	211.5	199.9	195.6	191.3	188.3	186.4	184.5	182.6	181.0	179.4
20°	236.3	217.4	198.4	192.6	186.7	183.8	180.9	178.4	175.9	173.7	171.5
22.5°	261.4	230.5	199.6	190.5	181.4	177.4	172.7	170.4	168.3	165.6	162.9
25°	290.6	244.9	199.2	186.4	173.7	169.3	166.7	163.5	160.3	157.4	154.5
27.5°	337.5	269.7	201.8	184.5	167.0	161.6	158.8	155.8	152.9	149.8	146.7
30°	391.0	299.5	208.0	184.2	160.3	153.5	151.0	148.4	145.8	142.6	139.5
32.5°	451.1	333.0	215.0	185.3	155.5	148.2	143.5	140.6	137.7	134.8	132.0
35°	525.7	375.6	225.3	186.2	147.0	138.9	134.9	132.5	130.0	126.8	123.7
37.5°	611.0	423.2	235.5	187.0	138.5	129.6	127.0	125.0	123.1	119.8	116.5
40°	694.8	470.0	245.2	188.4	131.6	121.9	118.7	117.3	116.0	112.7	109.5
42.5°	770.2	512.0	253.9	190.8	127.8	112.6	111.0	109.2	107.5	104.5	101.4
45°	833.7	547.6	261.6	195.5	129.4	104.5	101.7	100.2	98.6	96.5	94.6
47.5°	870.6	569.3	268.1	202.5	137.0	99.2	91.2	90.2	89.2	88.7	88.1
50°	883.4	579.0	274.5	213.1	151.6	104.5	88.3	85.0	81.6	81.6	81.6
52.5°	853.7	563.0	272.3	219.6	167.0	122.3	93.2	83.6	73.9	73.7	73.5
55°	790.4	525.7	260.9	220.4	179.9	147.0	105.4	86.5	67.6	65.9	64.1
57.5°	695.2	473.7	252.0	213.4	174.8	156.7	115.2	89.7	64.1	59.3	54.4
60°	527.2	392.9	258.7	207.0	155.3	140.9	112.9	88.3	63.8	55.1	46.3
62.5°	391.0	312.9	234.9	184.3	133.8	111.8	100.8	83.0	65.2	53.0	40.7
65°	275.3	238.7	202.1	164.2	126.3	87.9	83.3	73.5	63.8	50.5	37.3
67.5°	172.5	156.2	139.9	123.5	107.1	73.3	64.9	57.9	50.9	41.8	32.8
70°	121.1	111.6	102.0	93.6	85.2	62.0	50.4	44.4	38.5	33.7	29.0
72.5°	84.1	77.3	70.5	66.1	61.7	51.0	39.0	33.7	28.3	25.4	22.5
75°	58.5	53.4	48.4	44.5	40.5	33.6	25.4	21.5	17.7	16.1	14.6
77.5°	37.3	33.4	29.6	26.2	22.8	21.1	15.8	13.6	11.3	10.9	10.4
80°	23.1	20.4	17.8	15.2	12.6	11.7	8.1	7.2	6.3	6.3	6.3
82.5°	12.6	11.0	9.6	7.7	5.8	4.9	3.4	2.9	2.4	2.4	2.4
85°	4.7	4.0	3.4	2.8	2.0	1.2	0.5	0.6	0.8	0.7	0.6
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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	233.6	232.8	233.4	234.0	233.3	232.6	232.7	232.8	232.0	231.2	230.3
5°	221.2	221.2	222.2	223.1	223.4	223.7	224.0	224.3	224.5	224.7	224.8
7.5°	208.9	209.1	209.7	210.2	210.9	211.5	213.3	215.0	215.9	216.9	217.9
10°	200.2	199.9	201.6	203.3	203.8	204.2	206.3	208.3	209.4	210.6	211.4
12.5°	192.7	191.9	192.7	193.6	195.1	196.6	199.5	202.5	204.7	206.9	207.4
15°	186.1	185.3	185.9	186.7	187.5	188.3	191.2	194.2	196.7	199.2	200.4
17.5°	178.0	176.5	175.9	175.3	178.0	180.6	183.1	185.6	188.3	191.0	193.2
20°	169.7	168.0	167.6	167.2	168.4	169.4	172.7	175.9	179.1	182.4	183.4
22.5°	160.5	158.1	157.4	156.7	157.3	157.9	159.5	161.2	163.6	166.0	167.8
25°	151.9	149.4	147.4	145.4	145.4	145.6	146.5	147.4	148.3	149.2	150.2
27.5°	143.8	140.9	138.3	135.6	134.6	133.6	132.7	131.8	131.6	131.4	131.2
30°	136.0	132.4	129.6	126.7	123.8	120.8	119.0	117.0	115.0	113.0	111.4
32.5°	128.6	125.1	120.0	115.0	111.9	108.9	105.4	101.9	98.2	94.6	92.2
35°	119.9	116.0	111.3	106.5	101.3	96.2	91.0	85.8	81.0	76.1	73.4
37.5°	111.7	106.9	101.9	96.8	89.6	82.4	76.4	70.5	65.5	60.6	57.7
40°	104.0	98.4	91.5	84.6	76.9	69.0	62.5	56.0	51.3	46.6	44.1
42.5°	96.0	90.7	82.8	74.9	66.3	57.7	50.9	44.1	40.1	36.0	33.9
45°	88.4	82.4	73.2	64.0	55.9	47.8	41.9	36.0	32.2	28.3	26.6
47.5°	81.6	75.2	65.5	55.9	48.2	40.5	35.0	29.6	26.0	22.5	20.9
50°	75.0	68.4	58.7	49.0	41.9	34.8	30.0	25.1	21.8	18.5	16.8
52.5°	67.7	62.0	52.5	42.9	37.3	31.7	27.1	22.5	19.0	15.4	13.8
55°	59.0	53.9	46.0	38.1	33.0	27.9	23.8	19.6	15.9	12.1	10.4
57.5°	50.1	45.8	39.0	32.4	28.2	23.9	19.9	16.0	12.5	8.9	7.5
60°	42.4	38.5	32.8	27.1	23.0	18.8	15.4	12.0	8.8	5.7	4.2
62.5°	36.6	32.6	27.0	21.5	18.1	14.7	11.7	8.7	5.7	2.8	1.5
65°	32.3	27.4	22.6	17.8	14.2	10.5	7.8	5.0	3.1	1.0	0.5
67.5°	27.5	22.0	17.5	13.0	9.8	6.6	4.4	2.0	1.0	0.0	0.0
70°	23.1	17.2	12.2	7.3	4.9	2.4	1.5	0.4	0.2	0.0	0.0
72.5°	17.5	12.6	7.9	3.2	2.1	1.0	0.6	0.2	0.1	0.0	0.0
75°	11.7	8.7	5.6	2.4	1.5	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	8.6	6.9	4.2	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0
80°	5.2	4.0	2.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	229.3	229.2	229.3	230.3	231.2	232.0	232.8	232.7	232.6	233.3	234.0
5°	225.0	225.1	225.0	224.8	224.7	224.5	224.3	224.0	223.7	223.4	223.1
7.5°	219.1	221.1	219.1	217.9	216.9	215.9	215.0	213.3	211.5	210.9	210.2
10°	212.3	213.8	212.3	211.4	210.6	209.4	208.3	206.3	204.2	203.8	203.3
12.5°	208.0	208.1	208.0	207.4	206.9	204.7	202.5	199.5	196.6	195.1	193.6
15°	201.7	202.5	201.7	200.4	199.2	196.7	194.2	191.2	188.3	187.5	186.7
17.5°	195.6	196.8	195.6	193.2	191.0	188.3	185.6	183.1	180.6	178.0	175.3
20°	184.5	183.8	184.5	183.4	182.4	179.1	175.9	172.7	169.4	168.4	167.2
22.5°	169.7	171.7	169.7	167.8	166.0	163.6	161.2	159.5	157.9	157.3	156.7
25°	151.3	152.3	151.3	150.2	149.2	148.3	147.4	146.5	145.6	145.4	145.4
27.5°	131.0	130.4	131.0	131.2	131.4	131.6	131.8	132.7	133.6	134.6	135.6
30°	110.0	109.3	110.0	111.4	113.0	115.0	117.0	119.0	120.8	123.8	126.7
32.5°	89.7	88.3	89.7	92.2	94.6	98.2	101.9	105.4	108.9	111.9	115.0
35°	70.6	69.6	70.6	73.4	76.1	81.0	85.8	91.0	96.2	101.3	106.5
37.5°	54.9	53.4	54.9	57.7	60.6	65.5	70.5	76.4	82.4	89.6	96.8
40°	41.7	40.5	41.7	44.1	46.6	51.3	56.0	62.5	69.0	76.9	84.6
42.5°	31.6	30.0	31.6	33.9	36.0	40.1	44.1	50.9	57.7	66.3	74.9
45°	24.9	24.3	24.9	26.6	28.3	32.2	36.0	41.9	47.8	55.9	64.0
47.5°	19.3	18.6	19.3	20.9	22.5	26.0	29.6	35.0	40.5	48.2	55.9
50°	15.2	14.6	15.2	16.8	18.5	21.8	25.1	30.0	34.8	41.9	49.0
52.5°	12.1	11.3	12.1	13.8	15.4	19.0	22.5	27.1	31.7	37.3	42.9
55°	8.7	8.1	8.7	10.4	12.1	15.9	19.6	23.8	27.9	33.0	38.1
57.5°	6.1	5.7	6.1	7.5	8.9	12.5	16.0	19.9	23.9	28.2	32.4
60°	2.8	2.4	2.8	4.2	5.7	8.8	12.0	15.4	18.8	23.0	27.1
62.5°	0.2	0.0	0.2	1.5	2.8	5.7	8.7	11.7	14.7	18.1	21.5
65°	0.0	0.0	0.0	0.5	1.0	3.1	5.0	7.8	10.5	14.2	17.8
67.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.4	6.6	9.8	13.0
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.5	2.4	4.9	7.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.0	2.1	3.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.5	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	233.4	232.8	233.6	234.2	234.7	235.0	234.8	234.5	234.9	235.7	236.0
5°	222.2	221.2	221.2	221.1	220.4	219.9	220.0	220.0	221.9	223.1	224.7
7.5°	209.7	209.1	208.9	208.8	208.8	208.8	210.1	211.5	211.8	212.6	214.0
10°	201.6	199.9	200.2	200.7	201.2	201.8	202.8	203.7	203.3	205.3	207.5
12.5°	192.7	191.9	192.7	193.6	194.3	195.0	196.2	197.4	198.4	200.0	202.5
15°	185.9	185.3	186.1	186.9	187.8	188.7	189.4	190.2	193.6	196.1	199.3
17.5°	175.9	176.5	178.0	179.4	181.0	182.6	184.5	186.4	188.3	191.3	195.6
20°	167.6	168.0	169.7	171.5	173.7	175.9	178.4	180.9	183.8	186.7	192.6
22.5°	157.4	158.1	160.5	162.9	165.6	168.3	170.4	172.7	177.4	181.4	190.5
25°	147.4	149.4	151.9	154.5	157.4	160.3	163.5	166.7	169.3	173.7	186.4
27.5°	138.3	140.9	143.8	146.7	149.8	152.9	155.8	158.8	161.6	167.0	184.5
30°	129.6	132.4	136.0	139.5	142.6	145.8	148.4	151.0	153.5	160.3	184.2
32.5°	120.0	125.1	128.6	132.0	134.8	137.7	140.6	143.5	148.2	155.5	185.3
35°	111.3	116.0	119.9	123.7	126.8	130.0	132.5	134.9	138.9	147.0	186.2
37.5°	101.9	106.9	111.7	116.5	119.8	123.1	125.0	127.0	129.6	138.5	187.0
40°	91.5	98.4	104.0	109.5	112.7	116.0	117.3	118.7	121.9	131.6	188.4
42.5°	82.8	90.7	96.0	101.4	104.5	107.5	109.2	111.0	112.6	127.8	190.8
45°	73.2	82.4	88.4	94.6	96.5	98.6	100.2	101.7	104.5	129.4	195.5
47.5°	65.5	75.2	81.6	88.1	88.7	89.2	90.2	91.2	99.2	137.0	202.5
50°	58.7	68.4	75.0	81.6	81.6	81.6	85.0	88.3	104.5	151.6	213.1
52.5°	52.5	62.0	67.7	73.5	73.7	73.9	83.6	93.2	122.3	167.0	219.6
55°	46.0	53.9	59.0	64.1	65.9	67.6	86.5	105.4	147.0	179.9	220.4
57.5°	39.0	45.8	50.1	54.4	59.3	64.1	89.7	115.2	156.7	174.8	213.4
60°	32.8	38.5	42.4	46.3	55.1	63.8	88.3	112.9	140.9	155.3	207.0
62.5°	27.0	32.6	36.6	40.7	53.0	65.2	83.0	100.8	111.8	133.8	184.3
65°	22.6	27.4	32.3	37.3	50.5	63.8	73.5	83.3	87.9	126.3	164.2
67.5°	17.5	22.0	27.5	32.8	41.8	50.9	57.9	64.9	73.3	107.1	123.5
70°	12.2	17.2	23.1	29.0	33.7	38.5	44.4	50.4	62.0	85.2	93.6
72.5°	7.9	12.6	17.5	22.5	25.4	28.3	33.7	39.0	51.0	61.7	66.1
75°	5.6	8.7	11.7	14.6	16.1	17.7	21.5	25.4	33.6	40.5	44.5
77.5°	4.2	6.9	8.6	10.4	10.9	11.3	13.6	15.8	21.1	22.8	26.2
80°	2.4	4.0	5.2	6.3	6.3	6.3	7.2	8.1	11.7	12.6	15.2
82.5°	0.8	1.6	2.0	2.4	2.4	2.4	2.9	3.4	4.9	5.8	7.7
85°	0.1	0.2	0.4	0.6	0.7	0.8	0.6	0.5	1.2	2.0	2.8
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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	236.3	236.6	237.1	238.1	239.1	239.7	238.9
5°	226.4	227.9	229.3	231.0	232.6	235.0	238.1
7.5°	215.4	217.4	219.5	221.9	224.3	227.2	230.4
10°	209.7	212.2	214.6	218.5	222.3	227.3	231.2
12.5°	204.9	208.9	212.8	220.4	228.2	238.7	248.2
15°	202.5	209.3	216.2	230.6	245.0	263.8	283.4
17.5°	199.9	211.5	223.4	249.5	275.8	311.9	354.7
20°	198.4	217.4	236.3	279.3	322.3	381.1	446.6
22.5°	199.6	230.5	261.4	327.0	392.6	475.4	554.7
25°	199.2	244.9	290.6	383.5	476.3	588.4	685.5
27.5°	201.8	269.7	337.5	460.5	583.5	715.8	818.8
30°	208.0	299.5	391.0	546.8	702.8	861.6	977.9
32.5°	215.0	333.0	451.1	643.5	835.9	1021.5	1144.7
35°	225.3	375.6	525.7	753.6	981.4	1184.2	1297.0
37.5°	235.5	423.2	611.0	877.9	1145.0	1362.9	1467.0
40°	245.2	470.0	694.8	1006.8	1318.8	1558.9	1646.8
42.5°	253.9	512.0	770.2	1131.8	1493.5	1767.6	1865.5
45°	261.6	547.6	833.7	1269.1	1704.6	2067.8	2260.7
47.5°	268.1	569.3	870.6	1422.8	1975.0	2515.4	2837.3
50°	274.5	579.0	883.4	1570.2	2257.0	3041.5	3601.4
52.5°	272.3	563.0	853.7	1633.5	2413.3	3418.7	4291.4
55°	260.9	525.7	790.4	1602.4	2414.3	3562.1	4731.1
57.5°	252.0	473.7	695.2	1443.2	2191.3	3381.5	4884.2
60°	258.7	392.9	527.2	1169.0	1810.8	3008.3	4578.8
62.5°	234.9	312.9	391.0	927.3	1463.5	2562.4	4074.7
65°	202.1	238.7	275.3	728.4	1181.4	2145.2	3484.3
67.5°	139.9	156.2	172.5	541.1	909.6	1724.6	2985.5
70°	102.0	111.6	121.1	401.5	681.9	1335.7	2463.5
72.5°	70.5	77.3	84.1	266.9	449.9	921.4	1877.6
75°	48.4	53.4	58.5	167.7	277.0	588.4	1308.3
77.5°	29.6	33.4	37.3	91.4	145.4	308.3	701.7
80°	17.8	20.4	23.1	36.5	50.0	93.5	206.5
82.5°	9.6	11.0	12.6	15.2	17.8	28.5	62.4
85°	3.4	4.0	4.7	5.0	5.5	7.0	13.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)