

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: P1208749

Luminaire Tested: UPW-SA2-070-727-U-SLL-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208749  
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-SA2-070-727-U-SLL-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 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: 5142 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

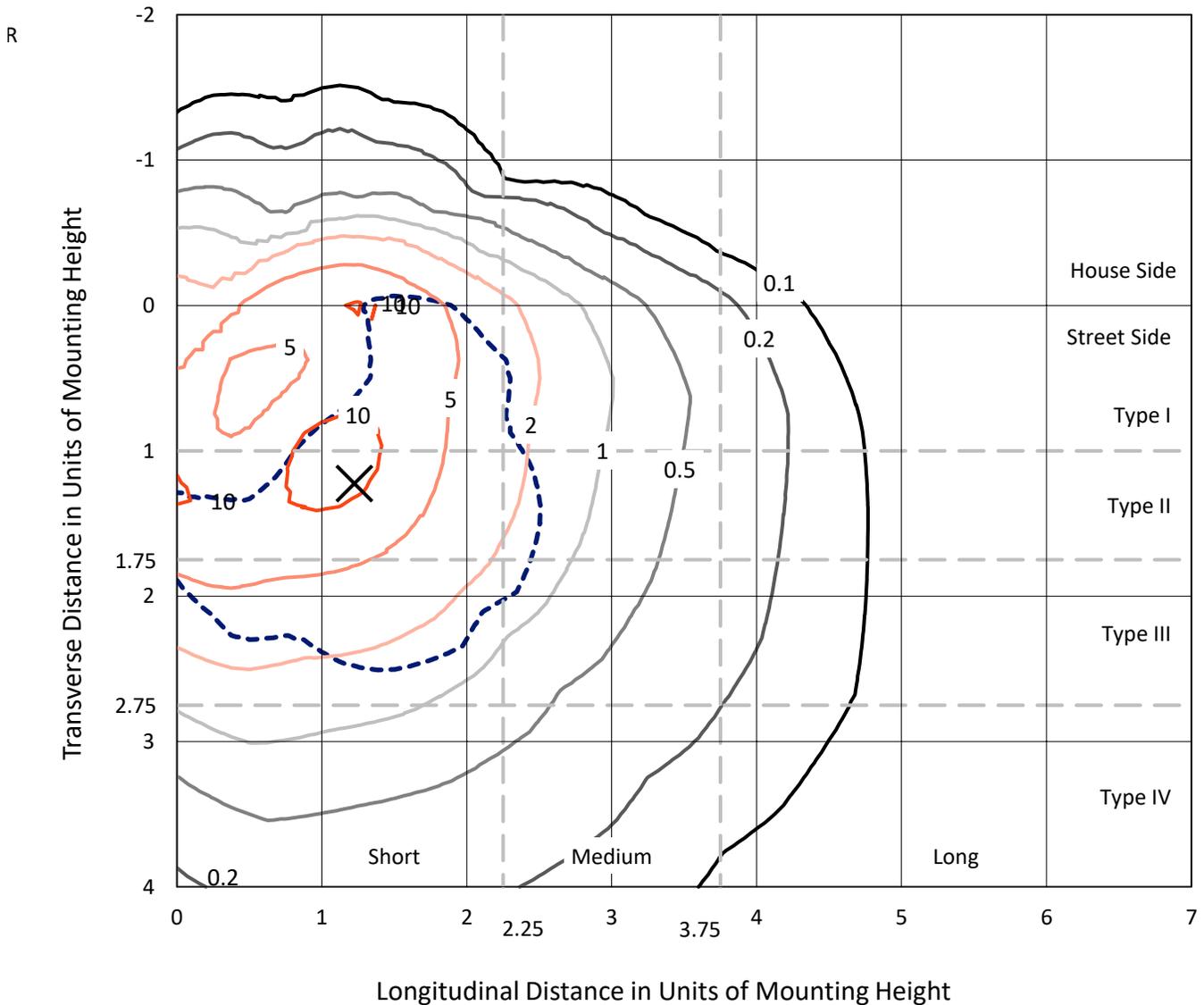
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

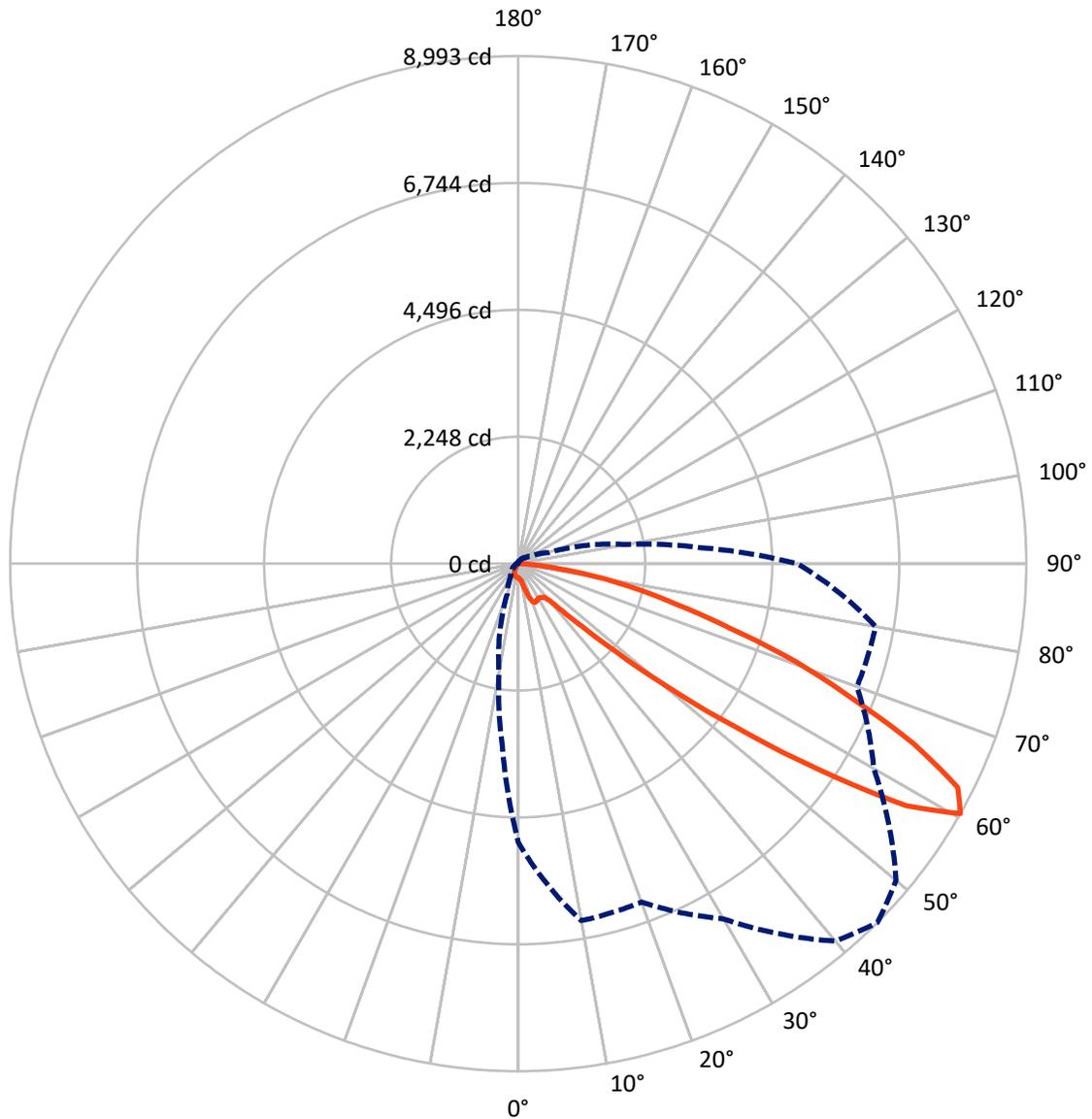
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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	592.4	0.0	592.4
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	4549.6	0.0	4549.6
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	5142.0	0.0	5142.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.4	0.5
10°-20°	79.3	1.5
20°-30°	171.4	3.3
30°-40°	288.7	5.6
40°-50°	583.0	11.3
50°-60°	1499.5	29.2
60°-70°	1630.2	31.7
70°-80°	768.0	14.9
80°-90°	98.6	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°	5142.0	100.0
0°-180°	5142.0	100.0



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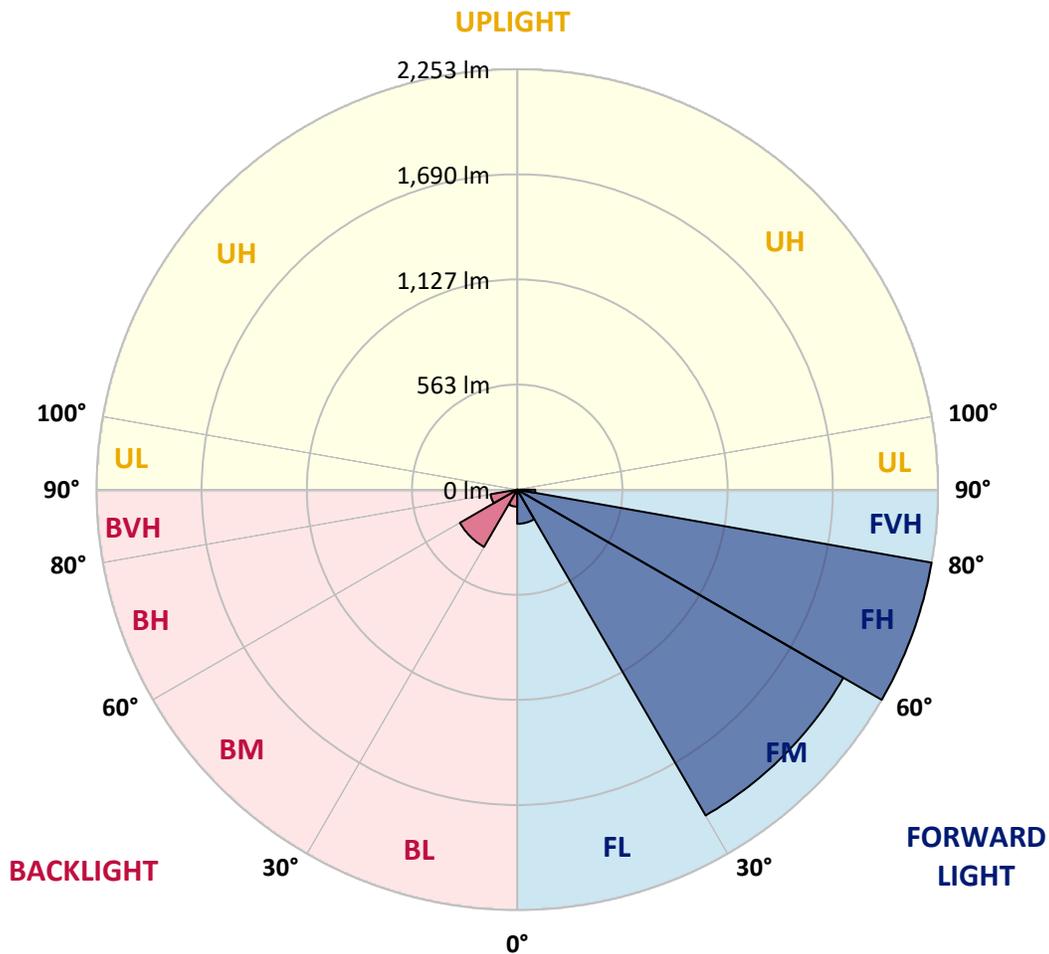
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.0	3.6			
FM	(30°-60°)	2016.5	39.2			
FH	(60°-80°)	2253.2	43.8			G2/5000
FVH	(80°-90°)	96.9	1.9			G1/100
BL	(0°-30°)	91.1	1.8	B0/110		
BM	(30°-60°)	354.6	6.9	B1/1000		
BH	(60°-80°)	145.0	2.8	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	257.5	258.3	259.1	260.2	261.4	261.9	262.5	262.8	263.1	261.0	263.1
5°	256.6	258.8	261.0	263.6	266.2	267.6	269.0	269.7	270.4	272.3	270.4
7.5°	248.3	253.9	259.4	264.5	269.5	273.4	277.4	280.7	284.0	286.3	284.0
10°	249.2	259.3	269.5	279.4	289.3	296.9	304.6	309.8	314.9	317.7	314.9
12.5°	267.5	284.0	300.4	317.0	333.6	349.2	364.8	375.2	385.6	392.8	385.6
15°	305.5	336.5	367.5	396.4	425.5	449.7	473.9	486.8	499.6	501.0	499.6
17.5°	382.3	427.6	472.9	511.4	549.9	575.6	601.4	613.7	626.0	629.3	626.0
20°	481.4	538.4	595.3	631.6	667.9	685.2	702.4	708.9	715.4	711.3	715.4
22.5°	597.9	658.3	718.8	743.6	768.5	766.9	765.3	759.9	754.5	745.4	754.5
25°	738.8	789.0	839.2	834.0	828.7	807.4	786.2	768.3	750.3	741.9	750.3
27.5°	882.4	909.6	936.7	899.5	862.3	821.8	781.3	757.3	733.3	718.3	733.3
30°	1053.9	1036.4	1018.8	952.6	886.3	835.1	783.8	755.3	726.9	709.6	726.9
32.5°	1233.7	1171.8	1109.8	1015.4	921.0	861.4	801.7	768.8	735.8	714.8	735.8
35°	1397.8	1296.2	1194.7	1075.1	955.6	891.3	827.3	789.2	751.3	734.9	751.3
37.5°	1581.1	1428.0	1275.0	1129.9	985.0	914.9	844.9	810.0	775.1	757.6	775.1
40°	1774.9	1573.7	1372.5	1203.1	1033.6	972.0	910.3	887.5	864.6	859.7	864.6
42.5°	2010.5	1763.4	1516.3	1335.1	1153.9	1124.7	1095.6	1103.3	1111.0	1142.5	1111.0
45°	2436.5	2134.6	1832.7	1628.2	1423.6	1434.4	1445.2	1504.6	1564.2	1599.0	1564.2
47.5°	3057.9	2729.6	2401.3	2140.2	1879.2	1951.8	2024.5	2168.9	2313.3	2344.4	2313.3
50°	3881.4	3532.4	3183.3	2857.5	2531.6	2684.8	2838.0	3113.9	3389.8	3435.4	3389.8
52.5°	4625.1	4355.9	4086.7	3705.5	3324.1	3584.2	3844.3	4249.4	4654.6	4778.7	4654.6
55°	5099.0	5187.0	5274.9	4874.7	4474.5	4791.7	5108.8	5642.6	6176.4	6414.3	6176.4
57.5°	5264.0	5783.8	6303.7	6023.4	5743.1	6070.4	6397.7	7057.4	7717.1	8092.8	7717.1
60°	4934.9	5678.9	6422.9	6400.9	6379.0	6823.2	7267.2	7998.8	8730.4	8992.6	8730.4
62.5°	4391.6	5005.2	5618.8	5730.2	5841.8	6467.5	7093.2	7776.4	8459.7	8728.2	8459.7
65°	3755.3	4304.2	4853.0	4939.3	5025.5	5693.6	6361.8	6978.9	7595.9	7686.9	7595.9
67.5°	3217.6	3773.2	4328.7	4382.9	4437.2	5005.6	5574.0	6031.5	6489.0	6376.8	6489.0
70°	2655.1	3242.6	3830.1	3919.9	4009.7	4412.1	4814.5	5081.9	5349.3	5214.2	5349.3
72.5°	2023.6	2618.6	3213.7	3296.6	3379.5	3658.9	3938.3	4070.6	4202.8	3936.4	4202.8
75°	1410.0	1921.4	2432.7	2541.6	2650.6	2846.4	3042.5	3095.7	3148.9	2903.0	3148.9
77.5°	756.3	1099.1	1441.9	1634.9	1827.9	2040.3	2252.7	2278.1	2303.4	2140.1	2303.4
80°	222.6	379.7	536.8	763.6	990.5	1245.7	1501.1	1513.4	1525.7	1404.4	1525.7
82.5°	67.2	135.4	203.5	361.3	519.2	704.7	890.3	872.8	855.3	732.3	855.3
85°	14.8	47.1	79.4	175.4	271.4	356.2	440.9	406.5	372.0	302.0	372.0
87.5°	2.2	13.0	23.7	62.5	101.2	122.2	143.1	116.9	90.6	82.0	90.6
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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	262.8	262.5	261.9	261.4	260.2	259.1	258.3	257.5	258.4	257.7	256.6
5°	269.7	269.0	267.6	266.2	263.6	261.0	258.8	256.6	253.3	250.7	248.9
7.5°	280.7	277.4	273.4	269.5	264.5	259.4	253.9	248.3	244.9	241.8	239.2
10°	309.8	304.6	296.9	289.3	279.4	269.5	259.3	249.2	245.0	239.6	235.5
12.5°	375.2	364.8	349.2	333.6	317.0	300.4	284.0	267.5	257.2	246.0	237.6
15°	486.8	473.9	449.7	425.5	396.4	367.5	336.5	305.5	284.4	264.0	248.6
17.5°	613.7	601.4	575.6	549.9	511.4	472.9	427.6	382.3	336.1	297.2	268.9
20°	708.9	702.4	685.2	667.9	631.6	595.3	538.4	481.4	410.7	347.4	301.0
22.5°	759.9	765.3	766.9	768.5	743.6	718.8	658.3	597.9	512.3	423.1	352.4
25°	768.3	786.2	807.4	828.7	834.0	839.2	789.0	738.8	634.1	513.4	413.3
27.5°	757.3	781.3	821.8	862.3	899.5	936.7	909.6	882.4	771.5	628.9	496.3
30°	755.3	783.8	835.1	886.3	952.6	1018.8	1036.4	1053.9	928.6	757.4	589.3
32.5°	768.8	801.7	861.4	921.0	1015.4	1109.8	1171.8	1233.7	1100.9	900.9	693.5
35°	789.2	827.3	891.3	955.6	1075.1	1194.7	1296.2	1397.8	1276.2	1057.7	812.2
37.5°	810.0	844.9	914.9	985.0	1129.9	1275.0	1428.0	1581.1	1468.9	1234.0	946.2
40°	887.5	910.3	972.0	1033.6	1203.1	1372.5	1573.7	1774.9	1680.2	1421.4	1085.1
42.5°	1103.3	1095.6	1124.7	1153.9	1335.1	1516.3	1763.4	2010.5	1905.0	1609.6	1219.8
45°	1504.6	1445.2	1434.4	1423.6	1628.2	1832.7	2134.6	2436.5	2228.6	1837.1	1367.8
47.5°	2168.9	2024.5	1951.8	1879.2	2140.2	2401.3	2729.6	3057.9	2711.0	2128.6	1533.5
50°	3113.9	2838.0	2684.8	2531.6	2857.5	3183.3	3532.4	3881.4	3278.0	2432.5	1692.3
52.5°	4249.4	3844.3	3584.2	3324.1	3705.5	4086.7	4355.9	4625.1	3684.6	2601.0	1760.6
55°	5642.6	5108.8	4791.7	4474.5	4874.7	5274.9	5187.0	5099.0	3839.1	2602.0	1727.0
57.5°	7057.4	6397.7	6070.4	5743.1	6023.4	6303.7	5783.8	5264.0	3644.4	2361.7	1555.4
60°	7998.8	7267.2	6823.2	6379.0	6400.9	6422.9	5678.9	4934.9	3242.3	1951.6	1259.9
62.5°	7776.4	7093.2	6467.5	5841.8	5730.2	5618.8	5005.2	4391.6	2761.7	1577.4	999.4
65°	6978.9	6361.8	5693.6	5025.5	4939.3	4853.0	4304.2	3755.3	2312.0	1273.3	785.0
67.5°	6031.5	5574.0	5005.6	4437.2	4382.9	4328.7	3773.2	3217.6	1858.7	980.3	583.1
70°	5081.9	4814.5	4412.1	4009.7	3919.9	3830.1	3242.6	2655.1	1439.5	734.9	432.7
72.5°	4070.6	3938.3	3658.9	3379.5	3296.6	3213.7	2618.6	2023.6	993.0	484.8	287.7
75°	3095.7	3042.5	2846.4	2650.6	2541.6	2432.7	1921.4	1410.0	634.2	298.5	180.8
77.5°	2278.1	2252.7	2040.3	1827.9	1634.9	1441.9	1099.1	756.3	332.3	156.7	98.5
80°	1513.4	1501.1	1245.7	990.5	763.6	536.8	379.7	222.6	100.8	53.9	39.4
82.5°	872.8	890.3	704.7	519.2	361.3	203.5	135.4	67.2	30.7	19.2	16.4
85°	406.5	440.9	356.2	271.4	175.4	79.4	47.1	14.8	7.5	5.9	5.4
87.5°	116.9	143.1	122.2	101.2	62.5	23.7	13.0	2.2	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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	255.6	255.0	254.7	254.3	254.0	253.1	252.8	253.0	253.3	252.9	252.4
5°	247.2	245.6	244.0	242.2	240.5	239.2	237.1	237.1	237.0	237.6	238.3
7.5°	236.5	234.4	232.2	230.6	229.1	228.2	228.0	226.4	225.0	225.0	225.0
10°	231.3	228.7	226.1	223.6	221.3	219.1	219.5	218.6	217.5	216.9	216.3
12.5°	229.4	225.1	220.8	218.2	215.6	213.8	212.8	211.5	210.2	209.4	208.6
15°	233.0	225.6	218.2	214.8	211.4	208.6	204.9	204.2	203.4	202.4	201.4
17.5°	240.7	228.0	215.4	210.8	206.2	202.9	200.9	198.8	196.8	195.1	193.3
20°	254.7	234.3	213.8	207.6	201.2	198.1	195.0	192.3	189.6	187.2	184.9
22.5°	281.7	248.4	215.1	205.3	195.5	191.1	186.1	183.6	181.4	178.5	175.6
25°	313.2	263.9	214.7	200.9	187.2	182.4	179.6	176.2	172.8	169.7	166.5
27.5°	363.8	290.6	217.5	198.8	180.0	174.1	171.2	167.9	164.8	161.5	158.2
30°	421.4	322.8	224.1	198.5	172.8	165.4	162.7	159.9	157.1	153.7	150.3
32.5°	486.2	358.9	231.7	199.7	167.6	159.7	154.7	151.5	148.4	145.3	142.3
35°	566.6	404.8	242.8	200.7	158.4	149.7	145.4	142.8	140.1	136.7	133.4
37.5°	658.5	456.1	253.8	201.5	149.3	139.7	136.9	134.8	132.7	129.1	125.5
40°	748.9	506.6	264.3	203.0	141.8	131.4	128.0	126.5	125.0	121.5	118.0
42.5°	830.0	551.8	273.6	205.6	137.7	121.3	119.7	117.7	115.9	112.6	109.3
45°	898.6	590.2	281.9	210.7	139.5	112.6	109.6	108.0	106.3	104.0	101.9
47.5°	938.3	613.6	288.9	218.3	147.7	106.9	98.3	97.2	96.2	95.6	95.0
50°	952.1	624.0	295.9	229.6	163.4	112.6	95.1	91.6	88.0	88.0	88.0
52.5°	920.1	606.8	293.4	236.7	180.0	131.8	100.5	90.1	79.6	79.4	79.3
55°	851.9	566.5	281.2	237.6	193.9	158.4	113.6	93.2	72.9	71.0	69.1
57.5°	749.3	510.5	271.6	230.0	188.4	168.9	124.1	96.7	69.1	63.9	58.7
60°	568.2	423.5	278.9	223.1	167.4	151.9	121.7	95.1	68.8	59.4	49.9
62.5°	421.4	337.3	253.1	198.7	144.2	120.4	108.7	89.5	70.3	57.1	43.8
65°	296.8	257.3	217.8	177.0	136.2	94.7	89.7	79.3	68.8	54.5	40.1
67.5°	185.9	168.4	150.8	133.1	115.4	79.0	70.0	62.4	54.8	45.0	35.3
70°	130.5	120.3	110.0	100.9	91.8	66.8	54.3	47.8	41.5	36.3	31.2
72.5°	90.6	83.3	75.9	71.2	66.5	55.0	42.1	36.3	30.5	27.4	24.3
75°	63.0	57.6	52.2	47.9	43.6	36.2	27.4	23.2	19.0	17.4	15.7
77.5°	40.1	36.0	31.9	28.3	24.6	22.7	17.0	14.7	12.2	11.7	11.2
80°	24.9	22.0	19.2	16.4	13.5	12.7	8.7	7.8	6.8	6.8	6.8
82.5°	13.5	11.9	10.3	8.3	6.3	5.2	3.7	3.1	2.6	2.6	2.6
85°	5.1	4.4	3.7	3.0	2.2	1.3	0.5	0.7	0.9	0.8	0.7
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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	251.7	250.9	251.5	252.2	251.5	250.7	250.8	250.9	250.1	249.2	248.2
5°	238.4	238.5	239.5	240.5	240.8	241.1	241.4	241.8	241.9	242.2	242.3
7.5°	225.2	225.4	226.0	226.5	227.3	228.0	229.9	231.7	232.7	233.7	234.9
10°	215.8	215.4	217.2	219.1	219.6	220.1	222.4	224.5	225.7	226.9	227.9
12.5°	207.7	206.9	207.7	208.6	210.3	211.9	215.1	218.2	220.6	223.0	223.5
15°	200.6	199.7	200.4	201.2	202.1	202.9	206.1	209.3	212.0	214.7	216.0
17.5°	191.8	190.3	189.6	189.0	191.8	194.6	197.3	200.0	202.9	205.8	208.3
20°	182.9	181.1	180.7	180.2	181.5	182.6	186.1	189.6	193.1	196.6	197.7
22.5°	173.0	170.4	169.7	168.9	169.5	170.2	171.9	173.7	176.3	178.9	180.8
25°	163.7	161.0	158.9	156.7	156.8	156.9	157.9	158.9	159.8	160.8	161.9
27.5°	155.0	151.9	149.1	146.2	145.1	144.0	143.1	142.1	141.8	141.6	141.4
30°	146.5	142.7	139.7	136.6	133.5	130.2	128.2	126.1	123.9	121.8	120.1
32.5°	138.6	134.9	129.4	123.9	120.6	117.4	113.6	109.8	105.8	101.9	99.3
35°	129.2	125.0	119.9	114.8	109.2	103.7	98.1	92.5	87.3	82.0	79.1
37.5°	120.4	115.2	109.8	104.3	96.5	88.9	82.4	75.9	70.6	65.3	62.1
40°	112.1	106.0	98.6	91.2	82.8	74.4	67.4	60.4	55.3	50.2	47.6
42.5°	103.5	97.8	89.2	80.7	71.5	62.1	54.9	47.6	43.2	38.8	36.5
45°	95.3	88.9	78.9	69.0	60.2	51.5	45.2	38.8	34.7	30.5	28.7
47.5°	88.0	81.0	70.6	60.2	51.9	43.6	37.7	31.9	28.0	24.3	22.5
50°	80.8	73.8	63.3	52.8	45.2	37.5	32.3	27.1	23.5	19.9	18.2
52.5°	73.0	66.8	56.6	46.3	40.2	34.2	29.2	24.3	20.4	16.6	14.8
55°	63.6	58.0	49.6	41.0	35.6	30.1	25.7	21.1	17.1	13.1	11.3
57.5°	54.0	49.3	42.1	34.9	30.4	25.7	21.5	17.3	13.4	9.6	8.0
60°	45.7	41.5	35.3	29.2	24.8	20.2	16.6	12.9	9.5	6.1	4.5
62.5°	39.5	35.1	29.2	23.1	19.6	15.9	12.7	9.4	6.2	3.1	1.7
65°	34.8	29.5	24.4	19.2	15.3	11.3	8.4	5.4	3.3	1.0	0.5
67.5°	29.6	23.7	18.9	14.0	10.6	7.2	4.7	2.2	1.0	0.0	0.0
70°	24.9	18.5	13.2	7.9	5.2	2.6	1.6	0.4	0.2	0.0	0.0
72.5°	18.9	13.5	8.6	3.5	2.3	1.0	0.7	0.2	0.1	0.0	0.0
75°	12.6	9.4	6.0	2.6	1.7	0.7	0.3	0.0	0.0	0.0	0.0
77.5°	9.3	7.4	4.5	1.7	1.0	0.4	0.2	0.0	0.0	0.0	0.0
80°	5.6	4.4	2.6	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.2	1.7	0.9	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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	247.2	247.0	247.2	248.2	249.2	250.1	250.9	250.8	250.7	251.5	252.2
5°	242.5	242.6	242.5	242.3	242.2	241.9	241.8	241.4	241.1	240.8	240.5
7.5°	236.1	238.3	236.1	234.9	233.7	232.7	231.7	229.9	228.0	227.3	226.5
10°	228.9	230.4	228.9	227.9	226.9	225.7	224.5	222.4	220.1	219.6	219.1
12.5°	224.1	224.3	224.1	223.5	223.0	220.6	218.2	215.1	211.9	210.3	208.6
15°	217.3	218.2	217.3	216.0	214.7	212.0	209.3	206.1	202.9	202.1	201.2
17.5°	210.8	212.1	210.8	208.3	205.8	202.9	200.0	197.3	194.6	191.8	189.0
20°	198.8	198.1	198.8	197.7	196.6	193.1	189.6	186.1	182.6	181.5	180.2
22.5°	182.9	185.0	182.9	180.8	178.9	176.3	173.7	171.9	170.2	169.5	168.9
25°	163.0	164.1	163.0	161.9	160.8	159.8	158.9	157.9	156.9	156.8	156.7
27.5°	141.2	140.5	141.2	141.4	141.6	141.8	142.1	143.1	144.0	145.1	146.2
30°	118.5	117.8	118.5	120.1	121.8	123.9	126.1	128.2	130.2	133.5	136.6
32.5°	96.7	95.1	96.7	99.3	101.9	105.8	109.8	113.6	117.4	120.6	123.9
35°	76.1	75.1	76.1	79.1	82.0	87.3	92.5	98.1	103.7	109.2	114.8
37.5°	59.2	57.6	59.2	62.1	65.3	70.6	75.9	82.4	88.9	96.5	104.3
40°	45.0	43.6	45.0	47.6	50.2	55.3	60.4	67.4	74.4	82.8	91.2
42.5°	34.0	32.3	34.0	36.5	38.8	43.2	47.6	54.9	62.1	71.5	80.7
45°	26.9	26.2	26.9	28.7	30.5	34.7	38.8	45.2	51.5	60.2	69.0
47.5°	20.8	20.1	20.8	22.5	24.3	28.0	31.9	37.7	43.6	51.9	60.2
50°	16.4	15.7	16.4	18.2	19.9	23.5	27.1	32.3	37.5	45.2	52.8
52.5°	13.1	12.2	13.1	14.8	16.6	20.4	24.3	29.2	34.2	40.2	46.3
55°	9.4	8.7	9.4	11.3	13.1	17.1	21.1	25.7	30.1	35.6	41.0
57.5°	6.5	6.1	6.5	8.0	9.6	13.4	17.3	21.5	25.7	30.4	34.9
60°	3.1	2.6	3.1	4.5	6.1	9.5	12.9	16.6	20.2	24.8	29.2
62.5°	0.2	0.0	0.2	1.7	3.1	6.2	9.4	12.7	15.9	19.6	23.1
65°	0.0	0.0	0.0	0.5	1.0	3.3	5.4	8.4	11.3	15.3	19.2
67.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.2	4.7	7.2	10.6	14.0
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.6	2.6	5.2	7.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	1.0	2.3	3.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.7	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	251.5	250.9	251.7	252.4	252.9	253.3	253.0	252.8	253.1	254.0	254.3
5°	239.5	238.5	238.4	238.3	237.6	237.0	237.1	237.1	239.2	240.5	242.2
7.5°	226.0	225.4	225.2	225.0	225.0	225.0	226.4	228.0	228.2	229.1	230.6
10°	217.2	215.4	215.8	216.3	216.9	217.5	218.6	219.5	219.1	221.3	223.6
12.5°	207.7	206.9	207.7	208.6	209.4	210.2	211.5	212.8	213.8	215.6	218.2
15°	200.4	199.7	200.6	201.4	202.4	203.4	204.2	204.9	208.6	211.4	214.8
17.5°	189.6	190.3	191.8	193.3	195.1	196.8	198.8	200.9	202.9	206.2	210.8
20°	180.7	181.1	182.9	184.9	187.2	189.6	192.3	195.0	198.1	201.2	207.6
22.5°	169.7	170.4	173.0	175.6	178.5	181.4	183.6	186.1	191.1	195.5	205.3
25°	158.9	161.0	163.7	166.5	169.7	172.8	176.2	179.6	182.4	187.2	200.9
27.5°	149.1	151.9	155.0	158.2	161.5	164.8	167.9	171.2	174.1	180.0	198.8
30°	139.7	142.7	146.5	150.3	153.7	157.1	159.9	162.7	165.4	172.8	198.5
32.5°	129.4	134.9	138.6	142.3	145.3	148.4	151.5	154.7	159.7	167.6	199.7
35°	119.9	125.0	129.2	133.4	136.7	140.1	142.8	145.4	149.7	158.4	200.7
37.5°	109.8	115.2	120.4	125.5	129.1	132.7	134.8	136.9	139.7	149.3	201.5
40°	98.6	106.0	112.1	118.0	121.5	125.0	126.5	128.0	131.4	141.8	203.0
42.5°	89.2	97.8	103.5	109.3	112.6	115.9	117.7	119.7	121.3	137.7	205.6
45°	78.9	88.9	95.3	101.9	104.0	106.3	108.0	109.6	112.6	139.5	210.7
47.5°	70.6	81.0	88.0	95.0	95.6	96.2	97.2	98.3	106.9	147.7	218.3
50°	63.3	73.8	80.8	88.0	88.0	88.0	91.6	95.1	112.6	163.4	229.6
52.5°	56.6	66.8	73.0	79.3	79.4	79.6	90.1	100.5	131.8	180.0	236.7
55°	49.6	58.0	63.6	69.1	71.0	72.9	93.2	113.6	158.4	193.9	237.6
57.5°	42.1	49.3	54.0	58.7	63.9	69.1	96.7	124.1	168.9	188.4	230.0
60°	35.3	41.5	45.7	49.9	59.4	68.8	95.1	121.7	151.9	167.4	223.1
62.5°	29.2	35.1	39.5	43.8	57.1	70.3	89.5	108.7	120.4	144.2	198.7
65°	24.4	29.5	34.8	40.1	54.5	68.8	79.3	89.7	94.7	136.2	177.0
67.5°	18.9	23.7	29.6	35.3	45.0	54.8	62.4	70.0	79.0	115.4	133.1
70°	13.2	18.5	24.9	31.2	36.3	41.5	47.8	54.3	66.8	91.8	100.9
72.5°	8.6	13.5	18.9	24.3	27.4	30.5	36.3	42.1	55.0	66.5	71.2
75°	6.0	9.4	12.6	15.7	17.4	19.0	23.2	27.4	36.2	43.6	47.9
77.5°	4.5	7.4	9.3	11.2	11.7	12.2	14.7	17.0	22.7	24.6	28.3
80°	2.6	4.4	5.6	6.8	6.8	6.8	7.8	8.7	12.7	13.5	16.4
82.5°	0.9	1.7	2.2	2.6	2.6	2.6	3.1	3.7	5.2	6.3	8.3
85°	0.1	0.2	0.4	0.7	0.8	0.9	0.7	0.5	1.3	2.2	3.0
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°	255.7	255.7	255.7	255.7	255.7	255.7	255.7
2.5°	254.7	255.0	255.6	256.6	257.7	258.4	257.5
5°	244.0	245.6	247.2	248.9	250.7	253.3	256.6
7.5°	232.2	234.4	236.5	239.2	241.8	244.9	248.3
10°	226.1	228.7	231.3	235.5	239.6	245.0	249.2
12.5°	220.8	225.1	229.4	237.6	246.0	257.2	267.5
15°	218.2	225.6	233.0	248.6	264.0	284.4	305.5
17.5°	215.4	228.0	240.7	268.9	297.2	336.1	382.3
20°	213.8	234.3	254.7	301.0	347.4	410.7	481.4
22.5°	215.1	248.4	281.7	352.4	423.1	512.3	597.9
25°	214.7	263.9	313.2	413.3	513.4	634.1	738.8
27.5°	217.5	290.6	363.8	496.3	628.9	771.5	882.4
30°	224.1	322.8	421.4	589.3	757.4	928.6	1053.9
32.5°	231.7	358.9	486.2	693.5	900.9	1100.9	1233.7
35°	242.8	404.8	566.6	812.2	1057.7	1276.2	1397.8
37.5°	253.8	456.1	658.5	946.2	1234.0	1468.9	1581.1
40°	264.3	506.6	748.9	1085.1	1421.4	1680.2	1774.9
42.5°	273.6	551.8	830.0	1219.8	1609.6	1905.0	2010.5
45°	281.9	590.2	898.6	1367.8	1837.1	2228.6	2436.5
47.5°	288.9	613.6	938.3	1533.5	2128.6	2711.0	3057.9
50°	295.9	624.0	952.1	1692.3	2432.5	3278.0	3881.4
52.5°	293.4	606.8	920.1	1760.6	2601.0	3684.6	4625.1
55°	281.2	566.5	851.9	1727.0	2602.0	3839.1	5099.0
57.5°	271.6	510.5	749.3	1555.4	2361.7	3644.4	5264.0
60°	278.9	423.5	568.2	1259.9	1951.6	3242.3	4934.9
62.5°	253.1	337.3	421.4	999.4	1577.4	2761.7	4391.6
65°	217.8	257.3	296.8	785.0	1273.3	2312.0	3755.3
67.5°	150.8	168.4	185.9	583.1	980.3	1858.7	3217.6
70°	110.0	120.3	130.5	432.7	734.9	1439.5	2655.1
72.5°	75.9	83.3	90.6	287.7	484.8	993.0	2023.6
75°	52.2	57.6	63.0	180.8	298.5	634.2	1410.0
77.5°	31.9	36.0	40.1	98.5	156.7	332.3	756.3
80°	19.2	22.0	24.9	39.4	53.9	100.8	222.6
82.5°	10.3	11.9	13.5	16.4	19.2	30.7	67.2
85°	3.7	4.4	5.1	5.4	5.9	7.5	14.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)