

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: P1208183

Luminaire Tested: UPW-SA1-040-827-U-SLL

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-827-U-SLL  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4308 lumens  
Efficiency: N/A  
Efficacy: 97.9 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

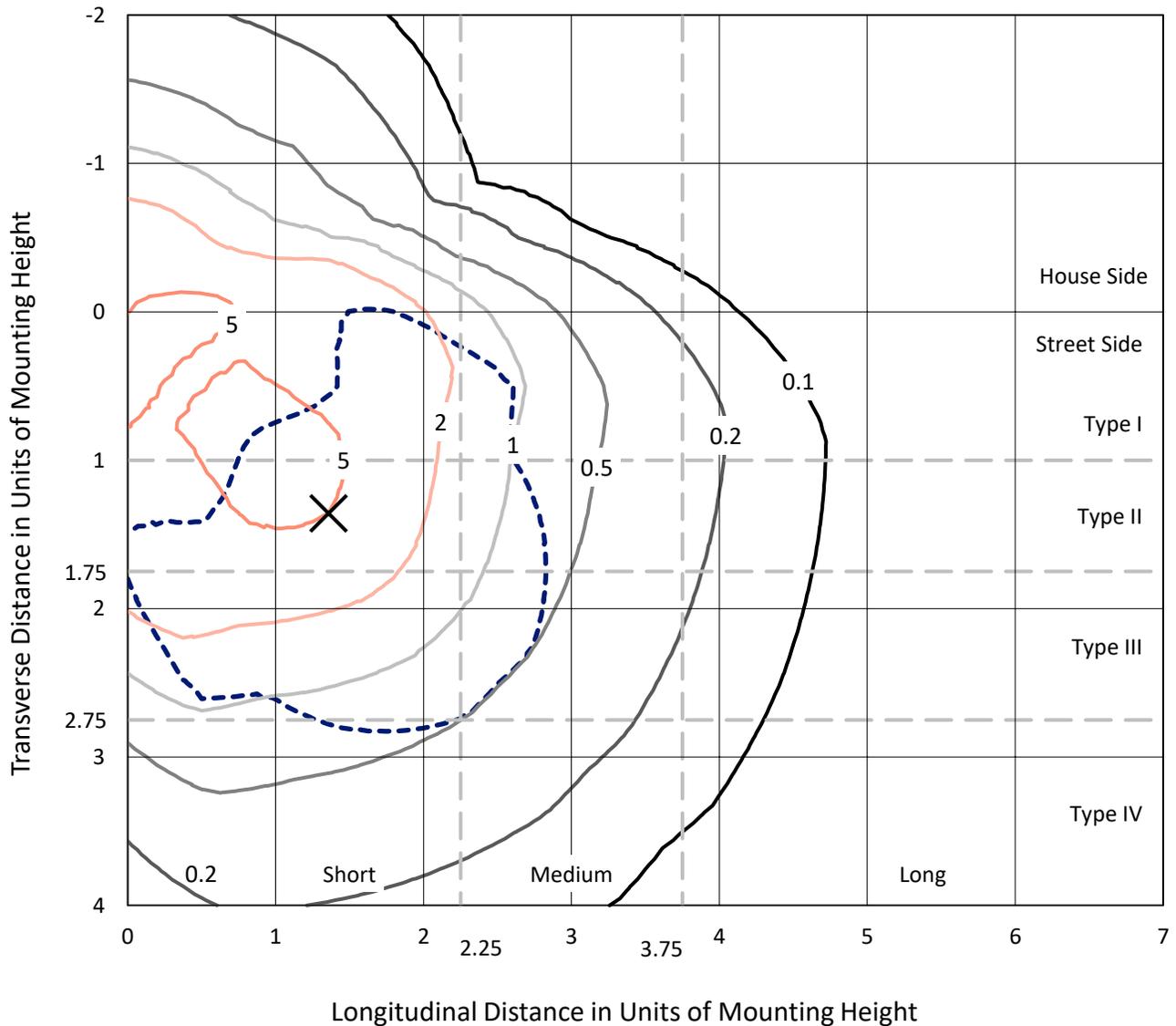
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

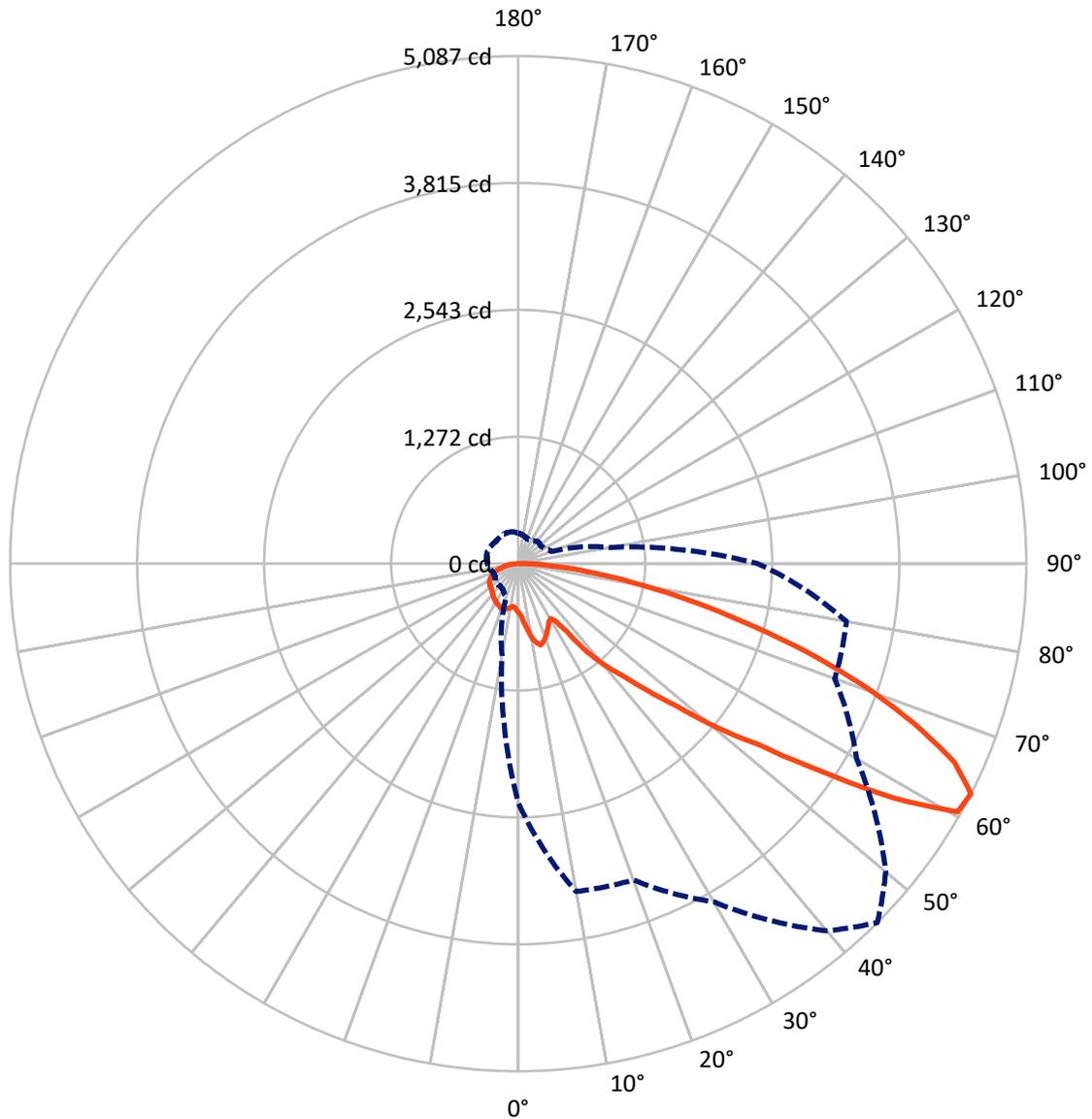


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1055.8	0.0	1055.8
	% Fixture	24.5	0.0	24.5
<b>Street Side</b>	Lumens	3252.3	0.0	3252.3
	% Fixture	75.5	0.0	75.5
<b>Total</b>	Lumens	4308.0	0.0	4308.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	1.1
10°-20°	165.3	3.8
20°-30°	268.8	6.2
30°-40°	366.6	8.5
40°-50°	555.2	12.9
50°-60°	954.6	22.2
60°-70°	1119.5	26.0
70°-80°	667.7	15.5
80°-90°	161.3	3.7
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°	4308.0	100.0
0°-180°	4308.0	100.0



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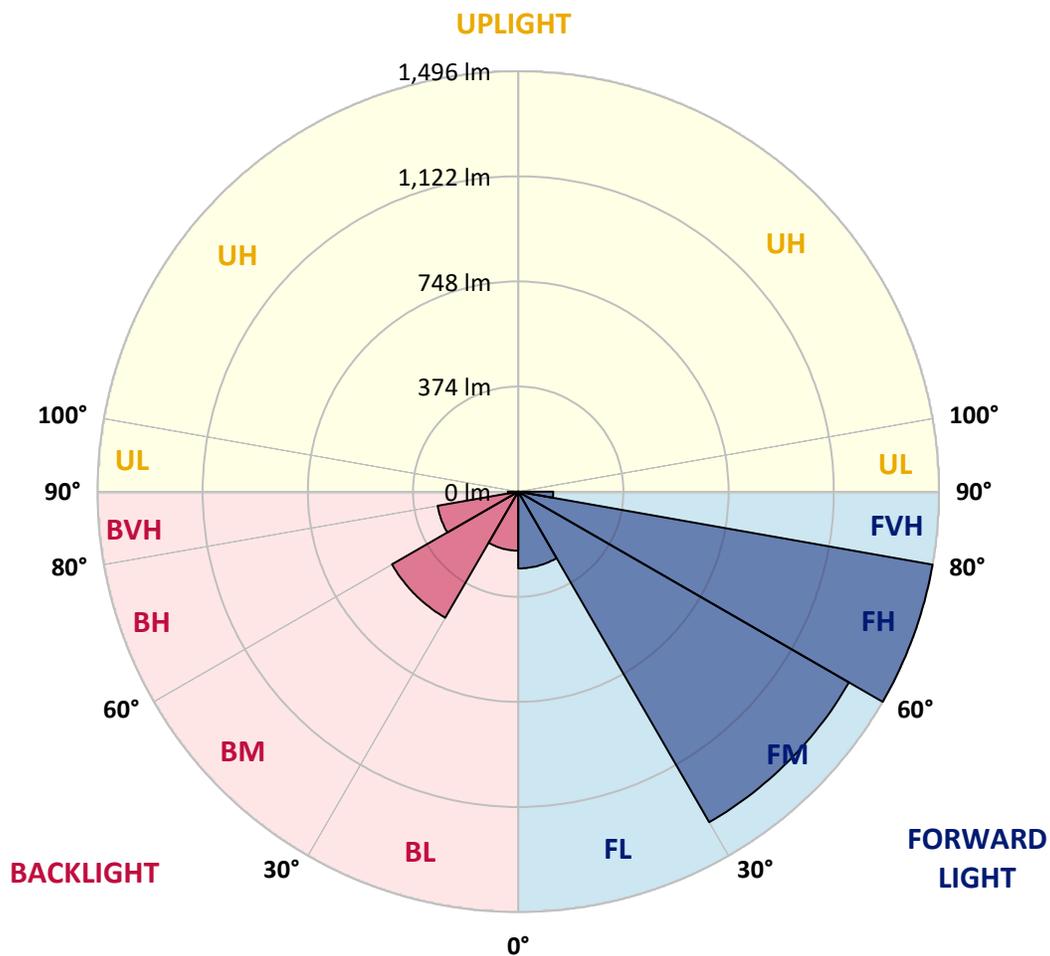
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.1	6.3			
FM	(30°-60°)	1358.2	31.5			
FH	(60°-80°)	1496.3	34.7			G1/1800
FVH	(80°-90°)	124.6	2.9			G2/225
BL	(0°-30°)	210.0	4.9	B1/500		
BM	(30°-60°)	518.2	12.0	B1/1000		
BH	(60°-80°)	290.9	6.8	B1/500		G1/500
BVH	(80°-90°)	36.7	0.9			G1/100
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	511.3	513.5	515.6	516.5	517.4	518.3	519.2	519.9	520.6	519.0	520.6
5°	546.9	553.7	560.4	566.2	572.0	576.5	580.9	583.0	585.2	588.8	585.2
7.5°	595.3	604.5	613.7	626.4	639.1	647.7	656.3	660.0	663.8	664.9	663.8
10°	630.4	654.0	677.6	691.6	705.7	715.9	726.2	735.1	743.9	753.9	743.9
12.5°	673.0	699.9	726.7	746.9	767.2	780.2	793.2	801.9	810.6	813.6	810.6
15°	715.2	744.5	773.8	792.7	811.7	821.8	831.9	836.3	840.6	845.9	840.6
17.5°	761.6	783.6	805.5	818.1	830.6	831.0	831.4	826.0	820.6	819.4	820.6
20°	794.6	812.8	831.0	831.2	831.4	820.6	809.8	800.3	790.9	786.7	790.9
22.5°	818.9	831.4	843.9	831.0	818.2	794.1	770.1	756.4	742.7	739.0	742.7
25°	851.9	853.8	855.8	829.6	803.5	769.9	736.4	718.8	701.3	697.1	701.3
27.5°	873.1	867.0	860.9	821.3	781.6	742.2	702.8	682.8	662.8	657.2	662.8
30°	903.9	881.9	859.8	808.8	757.7	718.0	678.3	661.6	644.9	639.8	644.9
32.5°	934.9	898.3	861.5	806.8	752.0	724.4	696.7	692.2	687.6	684.1	687.6
35°	960.5	919.3	878.0	836.8	795.6	799.8	804.0	818.8	833.7	833.4	833.7
37.5°	1005.2	963.1	920.9	914.1	907.3	960.5	1013.7	1056.4	1099.0	1121.3	1099.0
40°	1067.6	1038.0	1008.4	1033.1	1057.7	1131.7	1205.6	1256.2	1306.7	1343.7	1306.7
42.5°	1154.5	1137.6	1120.8	1151.6	1182.5	1263.7	1344.7	1413.7	1482.5	1534.3	1482.5
45°	1303.5	1286.1	1268.7	1283.4	1298.0	1399.6	1501.2	1609.1	1717.1	1808.3	1717.1
47.5°	1552.9	1512.4	1472.0	1459.7	1447.3	1584.2	1721.0	1878.8	2036.6	2130.4	2036.6
50°	1882.7	1819.4	1756.3	1698.6	1641.0	1834.1	2027.2	2257.0	2486.7	2583.4	2486.7
52.5°	2186.0	2127.9	2069.9	1968.6	1867.2	2095.8	2324.4	2622.7	2921.1	3013.8	2921.1
55°	2449.1	2473.3	2497.6	2360.5	2223.4	2476.9	2730.5	3112.7	3494.8	3658.4	3494.8
57.5°	2638.7	2854.5	3070.4	2923.8	2777.3	3014.0	3250.7	3704.9	4159.3	4433.1	4159.3
60°	2606.2	3038.8	3471.2	3406.2	3341.2	3543.4	3745.6	4238.5	4731.4	5051.2	4731.4
62.5°	2394.4	2865.1	3335.9	3354.2	3372.5	3642.6	3912.6	4358.2	4803.9	5086.8	4803.9
65°	2131.1	2574.1	3017.2	3044.4	3071.6	3383.8	3696.0	4133.1	4570.2	4798.5	4570.2
67.5°	1828.3	2289.0	2749.7	2766.1	2782.6	3067.9	3353.3	3746.7	4140.1	4271.3	4140.1
70°	1567.8	2006.7	2445.6	2481.6	2517.5	2766.7	3015.8	3307.1	3598.4	3673.4	3598.4
72.5°	1257.0	1698.5	2139.9	2194.9	2249.8	2432.4	2614.9	2818.6	3022.3	3015.2	3022.3
75°	924.8	1338.5	1752.2	1828.3	1904.3	2016.3	2128.2	2235.7	2343.3	2312.8	2343.3
77.5°	641.3	975.8	1310.4	1390.9	1471.5	1550.5	1629.4	1705.2	1781.1	1733.2	1781.1
80°	353.6	592.0	830.4	921.0	1011.7	1094.3	1176.7	1215.9	1255.0	1174.2	1255.0
82.5°	175.0	308.1	441.2	531.5	621.6	705.3	788.8	813.3	837.8	760.7	837.8
85°	68.8	135.7	202.4	269.8	337.1	403.0	468.8	471.3	473.9	418.4	473.9
87.5°	24.8	52.1	79.4	114.1	148.8	184.1	219.5	218.3	217.0	179.1	217.0
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	519.9	519.2	518.3	517.4	516.5	515.6	513.5	511.3	509.9	509.5	507.7
5°	583.0	580.9	576.5	572.0	566.2	560.4	553.7	546.9	542.9	537.4	529.5
7.5°	660.0	656.3	647.7	639.1	626.4	613.7	604.5	595.3	577.2	561.9	549.4
10°	735.1	726.2	715.9	705.7	691.6	677.6	654.0	630.4	615.5	597.7	576.3
12.5°	801.9	793.2	780.2	767.2	746.9	726.7	699.9	673.0	650.0	624.9	599.1
15°	836.3	831.9	821.8	811.7	792.7	773.8	744.5	715.2	687.1	655.5	621.5
17.5°	826.0	831.4	831.0	830.6	818.1	805.5	783.6	761.6	720.6	680.0	639.8
20°	800.3	809.8	820.6	831.4	831.2	831.0	812.8	794.6	753.2	709.3	660.4
22.5°	756.4	770.1	794.1	818.2	831.0	843.9	831.4	818.9	775.6	728.4	671.8
25°	718.8	736.4	769.9	803.5	829.6	855.8	853.8	851.9	800.1	744.9	679.1
27.5°	682.8	702.8	742.2	781.6	821.3	860.9	867.0	873.1	826.4	773.2	699.1
30°	661.6	678.3	718.0	757.7	808.8	859.8	881.9	903.9	855.9	799.2	716.1
32.5°	692.2	696.7	724.4	752.0	806.8	861.5	898.3	934.9	883.2	821.4	727.2
35°	818.8	804.0	799.8	795.6	836.8	878.0	919.3	960.5	909.6	844.4	737.4
37.5°	1056.4	1013.7	960.5	907.3	914.1	920.9	963.1	1005.2	944.5	867.1	745.3
40°	1256.2	1205.6	1131.7	1057.7	1033.1	1008.4	1038.0	1067.6	1000.8	907.6	763.2
42.5°	1413.7	1344.7	1263.7	1182.5	1151.6	1120.8	1137.6	1154.5	1062.4	945.2	780.2
45°	1609.1	1501.2	1399.6	1298.0	1283.4	1268.7	1286.1	1303.5	1162.0	997.3	803.6
47.5°	1878.8	1721.0	1584.2	1447.3	1459.7	1472.0	1512.4	1552.9	1328.8	1081.2	840.8
50°	2257.0	2027.2	1834.1	1641.0	1698.6	1756.3	1819.4	1882.7	1567.6	1215.5	906.6
52.5°	2622.7	2324.4	2095.8	1867.2	1968.6	2069.9	2127.9	2186.0	1775.8	1324.2	957.1
55°	3112.7	2730.5	2476.9	2223.4	2360.5	2497.6	2473.3	2449.1	1915.6	1368.6	970.3
57.5°	3704.9	3250.7	3014.0	2777.3	2923.8	3070.4	2854.5	2638.7	1936.0	1286.8	908.5
60°	4238.5	3745.6	3543.4	3341.2	3406.2	3471.2	3038.8	2606.2	1815.6	1106.9	774.1
62.5°	4358.2	3912.6	3642.6	3372.5	3354.2	3335.9	2865.1	2394.4	1616.4	929.7	643.2
65°	4133.1	3696.0	3383.8	3071.6	3044.4	3017.2	2574.1	2131.1	1395.2	763.2	523.3
67.5°	3746.7	3353.3	3067.9	2782.6	2766.1	2749.7	2289.0	1828.3	1162.5	608.6	411.7
70°	3307.1	3015.8	2766.7	2517.5	2481.6	2445.6	2006.7	1567.8	952.6	468.1	319.9
72.5°	2818.6	2614.9	2432.4	2249.8	2194.9	2139.9	1698.5	1257.0	735.1	342.8	241.3
75°	2235.7	2128.2	2016.3	1904.3	1828.3	1752.2	1338.5	924.8	529.0	241.7	178.4
77.5°	1705.2	1629.4	1550.5	1471.5	1390.9	1310.4	975.8	641.3	364.4	168.6	131.4
80°	1215.9	1176.7	1094.3	1011.7	921.0	830.4	592.0	353.6	209.7	108.8	90.8
82.5°	813.3	788.8	705.3	621.6	531.5	441.2	308.1	175.0	111.8	68.5	61.1
85°	471.3	468.8	403.0	337.1	269.8	202.4	135.7	68.8	50.6	38.4	36.4
87.5°	218.3	219.5	184.1	148.8	114.1	79.4	52.1	24.8	19.3	16.0	15.3
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	505.9	502.7	499.5	497.2	494.9	492.3	488.1	486.0	483.8	481.8	479.8
5°	521.6	514.2	506.9	500.6	494.4	488.9	483.7	478.0	472.2	467.2	462.2
7.5°	536.8	524.9	513.0	503.8	494.7	486.0	477.5	470.7	463.9	458.3	452.8
10°	555.0	538.3	521.8	511.6	501.4	493.5	480.0	472.8	465.6	460.3	454.9
12.5°	573.3	552.3	531.4	516.6	501.9	490.8	485.2	481.9	478.5	474.6	470.7
15°	587.4	560.9	534.3	517.4	500.5	488.9	485.7	486.8	487.9	489.2	490.5
17.5°	599.5	564.9	530.3	510.4	490.6	479.3	484.5	488.4	492.1	497.9	503.7
20°	611.5	568.0	524.4	500.4	476.4	465.3	467.7	476.6	485.5	496.4	507.3
22.5°	615.3	563.7	512.0	484.9	457.7	446.8	456.3	467.2	478.2	489.6	500.9
25°	613.3	554.4	495.6	468.0	440.3	431.1	440.8	451.5	462.3	473.3	484.2
27.5°	625.0	556.7	488.4	457.7	427.0	417.2	426.5	435.5	444.6	454.2	463.9
30°	633.1	558.0	483.0	450.7	418.5	407.8	410.8	417.1	423.3	431.8	440.1
32.5°	633.0	551.6	470.3	440.0	409.7	400.1	403.1	405.7	408.3	414.3	420.3
35°	630.3	542.5	454.7	427.0	399.2	391.9	391.0	390.8	390.7	393.4	396.1
37.5°	623.5	529.0	434.5	408.0	381.5	376.2	374.2	372.5	370.8	372.6	374.3
40°	618.7	515.9	413.1	387.5	361.9	360.1	358.7	356.3	353.9	354.0	354.2
42.5°	615.3	505.0	394.8	370.3	345.8	342.3	338.4	337.3	336.1	335.5	334.8
45°	609.9	496.3	382.7	358.1	333.4	323.3	323.1	320.5	318.0	318.9	319.8
47.5°	600.4	487.3	374.1	351.7	329.4	313.4	307.4	306.1	304.7	306.2	307.6
50°	597.8	483.9	370.1	349.6	329.2	305.7	294.4	293.6	292.8	296.9	301.0
52.5°	590.0	475.6	361.2	345.4	329.5	306.2	290.9	288.8	286.7	292.7	298.7
55°	571.9	458.4	344.9	339.1	333.2	319.4	292.7	285.8	279.0	286.4	293.7
57.5°	530.3	432.8	335.2	331.5	327.9	328.1	297.9	284.8	271.8	279.0	286.2
60°	441.1	384.7	328.2	317.2	306.2	316.8	299.0	283.8	268.5	272.7	276.9
62.5°	356.7	330.0	303.2	294.4	285.6	298.0	291.7	278.8	265.8	265.4	264.9
65°	283.5	278.2	272.9	271.0	269.0	272.3	275.9	267.4	259.0	255.3	251.5
67.5°	214.8	219.6	224.3	233.7	243.0	244.3	252.8	248.1	243.5	240.6	237.7
70°	171.6	178.1	184.6	198.4	212.3	219.1	226.6	227.2	227.8	225.7	223.5
72.5°	139.9	145.5	151.2	166.8	182.5	197.1	205.3	205.3	205.3	204.3	203.3
75°	115.2	119.3	123.5	138.0	152.5	171.2	179.6	180.4	181.3	180.6	180.0
77.5°	94.3	96.3	98.3	111.5	124.7	146.6	155.4	157.4	159.4	158.6	157.8
80°	72.7	74.1	75.5	86.5	97.5	117.0	127.2	130.1	133.0	132.8	132.5
82.5°	53.7	54.5	55.3	63.6	72.0	85.9	97.0	101.4	105.9	109.2	112.4
85°	34.4	34.9	35.2	40.5	45.7	54.4	65.6	73.9	82.1	88.1	94.1
87.5°	14.5	14.1	13.6	16.3	18.9	23.6	37.2	45.6	54.0	57.1	60.2
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	477.8	475.9	474.5	473.0	470.2	467.4	465.8	464.2	463.7	463.1	464.3
5°	459.0	455.9	452.5	449.2	446.6	444.0	442.0	439.9	439.1	438.2	438.5
7.5°	448.3	443.8	440.6	437.4	436.8	436.2	434.8	433.5	433.4	433.3	433.7
10°	450.7	446.7	444.4	442.2	441.5	440.8	440.7	440.6	442.0	443.3	444.4
12.5°	466.6	462.6	462.7	462.9	459.4	455.9	455.0	454.1	455.8	457.5	458.1
15°	489.4	488.3	484.3	480.2	476.1	471.9	470.6	469.2	469.0	468.9	468.3
17.5°	506.1	508.5	503.8	499.0	492.3	485.7	482.5	479.4	478.0	476.6	475.9
20°	511.3	515.4	510.8	506.2	498.8	491.3	486.3	481.4	480.7	480.0	479.9
22.5°	504.5	508.0	505.5	502.9	494.8	486.7	481.4	476.0	473.8	471.6	472.5
25°	489.2	494.2	493.6	493.0	484.6	476.2	470.4	464.5	463.4	462.3	462.0
27.5°	469.4	475.1	475.9	476.6	470.4	464.1	458.6	453.1	452.2	451.2	452.5
30°	445.9	451.7	453.7	455.7	451.7	447.7	444.0	440.3	440.5	440.6	442.5
32.5°	425.8	431.3	434.3	437.4	436.7	436.1	434.6	433.2	431.3	429.3	430.0
35°	401.1	406.1	412.0	417.9	418.7	419.4	420.0	420.5	420.5	420.5	422.1
37.5°	378.6	383.0	389.1	395.3	399.6	404.0	406.0	408.0	409.6	411.1	411.8
40°	358.1	362.0	367.8	373.6	381.7	389.9	394.3	398.9	399.1	399.2	398.2
42.5°	338.2	341.4	350.2	358.9	368.0	377.1	381.1	385.1	386.8	388.5	389.0
45°	324.0	328.1	335.7	343.3	353.7	364.1	369.0	374.0	374.8	375.8	375.5
47.5°	311.9	316.1	325.4	334.6	344.8	354.9	360.2	365.4	366.2	366.9	367.6
50°	305.8	310.6	318.7	326.7	337.5	348.3	355.5	362.8	362.5	362.3	360.4
52.5°	302.4	306.1	313.6	321.1	333.0	344.8	351.8	358.8	359.4	360.0	358.9
55°	298.1	302.6	310.9	319.2	329.7	340.3	347.0	353.8	354.4	355.2	353.1
57.5°	293.9	301.6	310.0	318.5	329.3	340.0	345.8	351.5	350.2	348.9	347.3
60°	287.9	299.0	306.9	314.9	324.9	334.8	338.8	342.8	341.2	339.7	336.1
62.5°	276.7	288.5	297.6	306.7	315.8	324.9	327.7	330.5	329.0	327.5	323.5
65°	261.9	272.4	282.1	291.7	299.3	306.8	310.2	313.7	311.2	308.7	304.7
67.5°	247.9	258.0	265.5	273.0	280.4	287.9	290.7	293.6	290.8	288.1	282.8
70°	231.0	238.4	248.0	257.6	261.7	265.8	267.4	269.0	266.4	263.8	260.5
72.5°	210.6	218.0	224.3	230.6	234.5	238.4	240.2	242.1	239.2	236.3	231.8
75°	186.3	192.6	198.4	204.1	208.4	212.6	213.7	214.7	211.1	207.5	202.8
77.5°	161.7	165.5	168.0	170.4	175.2	180.1	181.0	181.9	179.1	176.4	172.1
80°	134.3	136.1	136.8	137.4	141.0	144.5	145.5	146.5	145.2	143.9	140.2
82.5°	113.6	114.8	109.5	104.2	107.1	109.9	112.1	114.2	113.6	113.0	110.0
85°	90.6	87.0	73.4	59.7	65.1	70.5	74.1	77.8	78.4	79.0	76.8
87.5°	55.4	50.6	40.6	30.6	35.0	39.4	42.9	46.6	44.2	41.9	37.1
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	465.5	467.0	465.5	464.3	463.1	463.7	464.2	465.8	467.4	470.2	473.0
5°	438.7	438.6	438.7	438.5	438.2	439.1	439.9	442.0	444.0	446.6	449.2
7.5°	434.0	432.3	434.0	433.7	433.3	433.4	433.5	434.8	436.2	436.8	437.4
10°	445.6	444.8	445.6	444.4	443.3	442.0	440.6	440.7	440.8	441.5	442.2
12.5°	458.7	457.4	458.7	458.1	457.5	455.8	454.1	455.0	455.9	459.4	462.9
15°	467.7	467.0	467.7	468.3	468.9	469.0	469.2	470.6	471.9	476.1	480.2
17.5°	475.3	476.1	475.3	475.9	476.6	478.0	479.4	482.5	485.7	492.3	499.0
20°	479.9	479.5	479.9	479.9	480.0	480.7	481.4	486.3	491.3	498.8	506.2
22.5°	473.5	476.6	473.5	472.5	471.6	473.8	476.0	481.4	486.7	494.8	502.9
25°	461.7	460.3	461.7	462.0	462.3	463.4	464.5	470.4	476.2	484.6	493.0
27.5°	453.6	454.5	453.6	452.5	451.2	452.2	453.1	458.6	464.1	470.4	476.6
30°	444.4	447.7	444.4	442.5	440.6	440.5	440.3	444.0	447.7	451.7	455.7
32.5°	430.6	433.3	430.6	430.0	429.3	431.3	433.2	434.6	436.1	436.7	437.4
35°	423.7	427.0	423.7	422.1	420.5	420.5	420.5	420.0	419.4	418.7	417.9
37.5°	412.5	412.6	412.5	411.8	411.1	409.6	408.0	406.0	404.0	399.6	395.3
40°	397.3	397.7	397.3	398.2	399.2	399.1	398.9	394.3	389.9	381.7	373.6
42.5°	389.4	390.4	389.4	389.0	388.5	386.8	385.1	381.1	377.1	368.0	358.9
45°	375.3	374.1	375.3	375.5	375.8	374.8	374.0	369.0	364.1	353.7	343.3
47.5°	368.2	369.3	368.2	367.6	366.9	366.2	365.4	360.2	354.9	344.8	334.6
50°	358.4	357.7	358.4	360.4	362.3	362.5	362.8	355.5	348.3	337.5	326.7
52.5°	357.8	358.2	357.8	358.9	360.0	359.4	358.8	351.8	344.8	333.0	321.1
55°	351.0	349.5	351.0	353.1	355.2	354.4	353.8	347.0	340.3	329.7	319.2
57.5°	345.7	346.2	345.7	347.3	348.9	350.2	351.5	345.8	340.0	329.3	318.5
60°	332.6	329.8	332.6	336.1	339.7	341.2	342.8	338.8	334.8	324.9	314.9
62.5°	319.4	314.4	319.4	323.5	327.5	329.0	330.5	327.7	324.9	315.8	306.7
65°	300.7	298.0	300.7	304.7	308.7	311.2	313.7	310.2	306.8	299.3	291.7
67.5°	277.5	273.5	277.5	282.8	288.1	290.8	293.6	290.7	287.9	280.4	273.0
70°	257.1	254.2	257.1	260.5	263.8	266.4	269.0	267.4	265.8	261.7	257.6
72.5°	227.2	224.3	227.2	231.8	236.3	239.2	242.1	240.2	238.4	234.5	230.6
75°	198.1	194.0	198.1	202.8	207.5	211.1	214.7	213.7	212.6	208.4	204.1
77.5°	167.6	163.7	167.6	172.1	176.4	179.1	181.9	181.0	180.1	175.2	170.4
80°	136.6	131.4	136.6	140.2	143.9	145.2	146.5	145.5	144.5	141.0	137.4
82.5°	107.0	102.5	107.0	110.0	113.0	113.6	114.2	112.1	109.9	107.1	104.2
85°	74.7	71.3	74.7	76.8	79.0	78.4	77.8	74.1	70.5	65.1	59.7
87.5°	32.3	27.0	32.3	37.1	41.9	44.2	46.6	42.9	39.4	35.0	30.6
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):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	474.5	475.9	477.8	479.8	481.8	483.8	486.0	488.1	492.3	494.9	497.2
5°	452.5	455.9	459.0	462.2	467.2	472.2	478.0	483.7	488.9	494.4	500.6
7.5°	440.6	443.8	448.3	452.8	458.3	463.9	470.7	477.5	486.0	494.7	503.8
10°	444.4	446.7	450.7	454.9	460.3	465.6	472.8	480.0	493.5	501.4	511.6
12.5°	462.7	462.6	466.6	470.7	474.6	478.5	481.9	485.2	490.8	501.9	516.6
15°	484.3	488.3	489.4	490.5	489.2	487.9	486.8	485.7	488.9	500.5	517.4
17.5°	503.8	508.5	506.1	503.7	497.9	492.1	488.4	484.5	479.3	490.6	510.4
20°	510.8	515.4	511.3	507.3	496.4	485.5	476.6	467.7	465.3	476.4	500.4
22.5°	505.5	508.0	504.5	500.9	489.6	478.2	467.2	456.3	446.8	457.7	484.9
25°	493.6	494.2	489.2	484.2	473.3	462.3	451.5	440.8	431.1	440.3	468.0
27.5°	475.9	475.1	469.4	463.9	454.2	444.6	435.5	426.5	417.2	427.0	457.7
30°	453.7	451.7	445.9	440.1	431.8	423.3	417.1	410.8	407.8	418.5	450.7
32.5°	434.3	431.3	425.8	420.3	414.3	408.3	405.7	403.1	400.1	409.7	440.0
35°	412.0	406.1	401.1	396.1	393.4	390.7	390.8	391.0	391.9	399.2	427.0
37.5°	389.1	383.0	378.6	374.3	372.6	370.8	372.5	374.2	376.2	381.5	408.0
40°	367.8	362.0	358.1	354.2	354.0	353.9	356.3	358.7	360.1	361.9	387.5
42.5°	350.2	341.4	338.2	334.8	335.5	336.1	337.3	338.4	342.3	345.8	370.3
45°	335.7	328.1	324.0	319.8	318.9	318.0	320.5	323.1	323.3	333.4	358.1
47.5°	325.4	316.1	311.9	307.6	306.2	304.7	306.1	307.4	313.4	329.4	351.7
50°	318.7	310.6	305.8	301.0	296.9	292.8	293.6	294.4	305.7	329.2	349.6
52.5°	313.6	306.1	302.4	298.7	292.7	286.7	288.8	290.9	306.2	329.5	345.4
55°	310.9	302.6	298.1	293.7	286.4	279.0	285.8	292.7	319.4	333.2	339.1
57.5°	310.0	301.6	293.9	286.2	279.0	271.8	284.8	297.9	328.1	327.9	331.5
60°	306.9	299.0	287.9	276.9	272.7	268.5	283.8	299.0	316.8	306.2	317.2
62.5°	297.6	288.5	276.7	264.9	265.4	265.8	278.8	291.7	298.0	285.6	294.4
65°	282.1	272.4	261.9	251.5	255.3	259.0	267.4	275.9	272.3	269.0	271.0
67.5°	265.5	258.0	247.9	237.7	240.6	243.5	248.1	252.8	244.3	243.0	233.7
70°	248.0	238.4	231.0	223.5	225.7	227.8	227.2	226.6	219.1	212.3	198.4
72.5°	224.3	218.0	210.6	203.3	204.3	205.3	205.3	205.3	197.1	182.5	166.8
75°	198.4	192.6	186.3	180.0	180.6	181.3	180.4	179.6	171.2	152.5	138.0
77.5°	168.0	165.5	161.7	157.8	158.6	159.4	157.4	155.4	146.6	124.7	111.5
80°	136.8	136.1	134.3	132.5	132.8	133.0	130.1	127.2	117.0	97.5	86.5
82.5°	109.5	114.8	113.6	112.4	109.2	105.9	101.4	97.0	85.9	72.0	63.6
85°	73.4	87.0	90.6	94.1	88.1	82.1	73.9	65.6	54.4	45.7	40.5
87.5°	40.6	50.6	55.4	60.2	57.1	54.0	45.6	37.2	23.6	18.9	16.3
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	499.5	502.7	505.9	507.7	509.5	509.9	511.3
5°	506.9	514.2	521.6	529.5	537.4	542.9	546.9
7.5°	513.0	524.9	536.8	549.4	561.9	577.2	595.3
10°	521.8	538.3	555.0	576.3	597.7	615.5	630.4
12.5°	531.4	552.3	573.3	599.1	624.9	650.0	673.0
15°	534.3	560.9	587.4	621.5	655.5	687.1	715.2
17.5°	530.3	564.9	599.5	639.8	680.0	720.6	761.6
20°	524.4	568.0	611.5	660.4	709.3	753.2	794.6
22.5°	512.0	563.7	615.3	671.8	728.4	775.6	818.9
25°	495.6	554.4	613.3	679.1	744.9	800.1	851.9
27.5°	488.4	556.7	625.0	699.1	773.2	826.4	873.1
30°	483.0	558.0	633.1	716.1	799.2	855.9	903.9
32.5°	470.3	551.6	633.0	727.2	821.4	883.2	934.9
35°	454.7	542.5	630.3	737.4	844.4	909.6	960.5
37.5°	434.5	529.0	623.5	745.3	867.1	944.5	1005.2
40°	413.1	515.9	618.7	763.2	907.6	1000.8	1067.6
42.5°	394.8	505.0	615.3	780.2	945.2	1062.4	1154.5
45°	382.7	496.3	609.9	803.6	997.3	1162.0	1303.5
47.5°	374.1	487.3	600.4	840.8	1081.2	1328.8	1552.9
50°	370.1	483.9	597.8	906.6	1215.5	1567.6	1882.7
52.5°	361.2	475.6	590.0	957.1	1324.2	1775.8	2186.0
55°	344.9	458.4	571.9	970.3	1368.6	1915.6	2449.1
57.5°	335.2	432.8	530.3	908.5	1286.8	1936.0	2638.7
60°	328.2	384.7	441.1	774.1	1106.9	1815.6	2606.2
62.5°	303.2	330.0	356.7	643.2	929.7	1616.4	2394.4
65°	272.9	278.2	283.5	523.3	763.2	1395.2	2131.1
67.5°	224.3	219.6	214.8	411.7	608.6	1162.5	1828.3
70°	184.6	178.1	171.6	319.9	468.1	952.6	1567.8
72.5°	151.2	145.5	139.9	241.3	342.8	735.1	1257.0
75°	123.5	119.3	115.2	178.4	241.7	529.0	924.8
77.5°	98.3	96.3	94.3	131.4	168.6	364.4	641.3
80°	75.5	74.1	72.7	90.8	108.8	209.7	353.6
82.5°	55.3	54.5	53.7	61.1	68.5	111.8	175.0
85°	35.2	34.9	34.4	36.4	38.4	50.6	68.8
87.5°	13.6	14.1	14.5	15.3	16.0	19.3	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)