

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: P1208992

Luminaire Tested: UPW-SA2-090-727-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208992
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-SA2-090-727-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 800mA 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: 6306 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

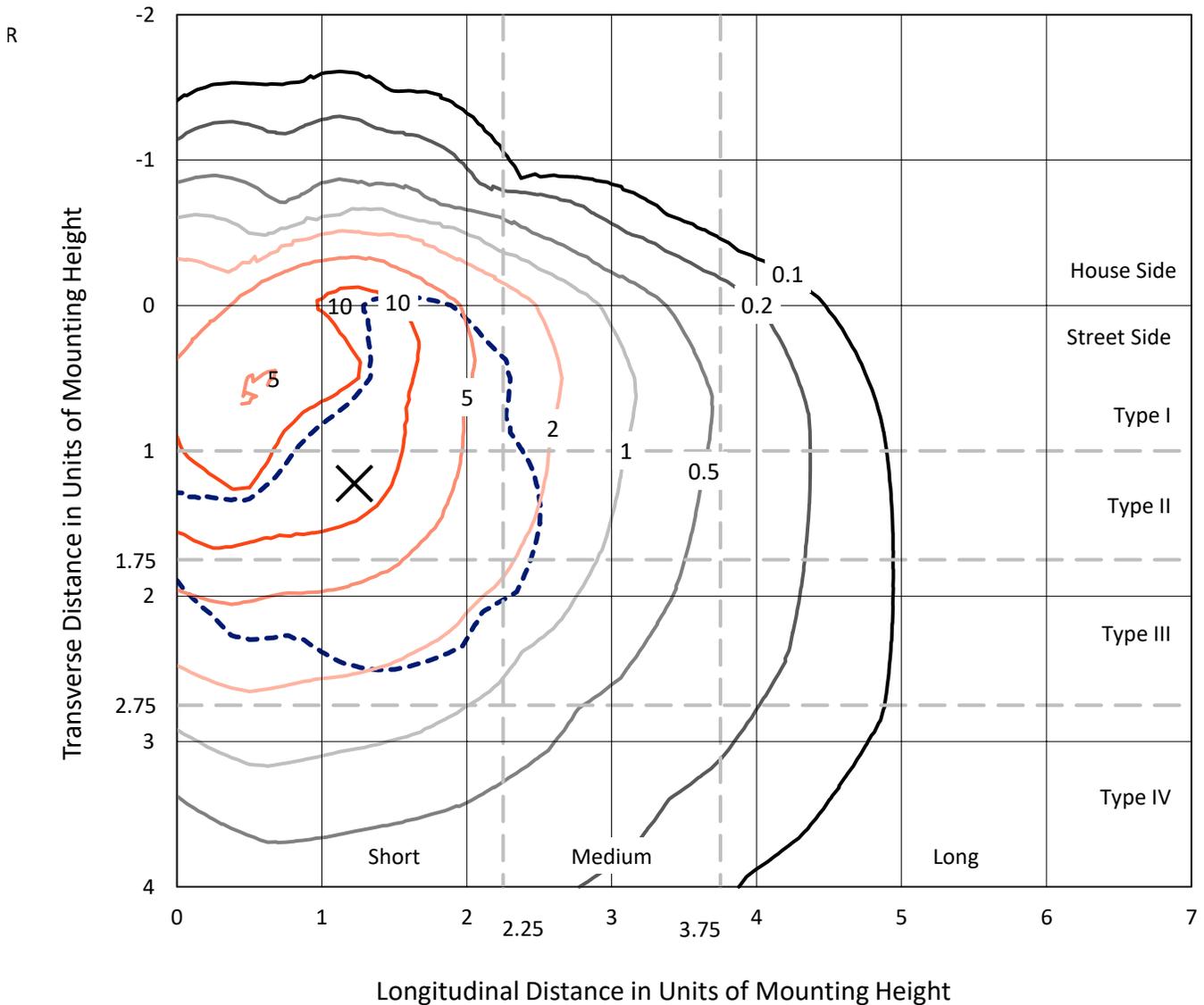
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

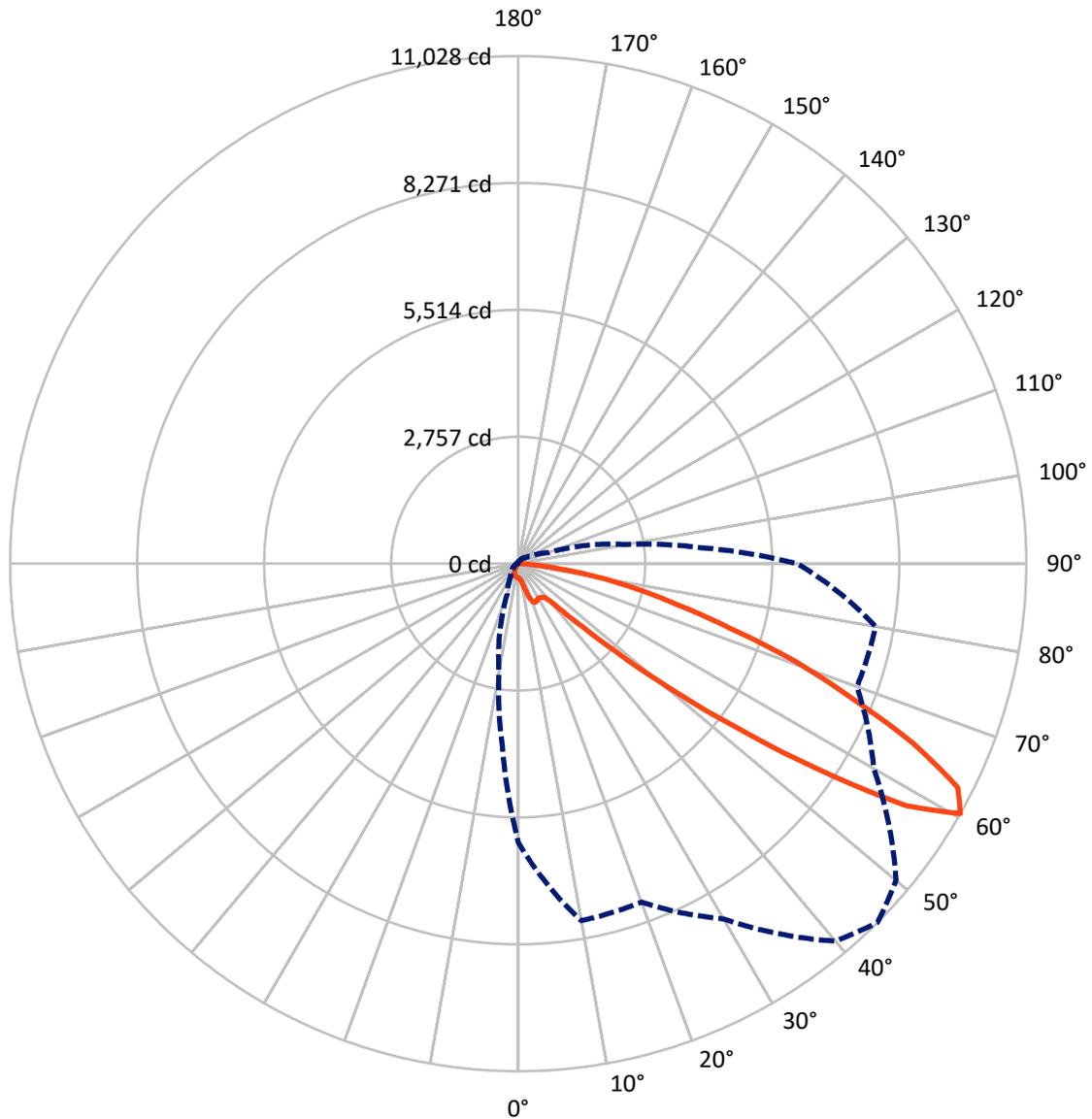
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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
House Side	Lumens	726.5	0.0	726.5
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	5579.5	0.0	5579.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	6306.0	0.0	6306.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.5
10°-20°	97.3	1.5
20°-30°	210.1	3.3
30°-40°	354.0	5.6
40°-50°	715.0	11.3
50°-60°	1838.9	29.2
60°-70°	1999.3	31.7
70°-80°	941.8	14.9
80°-90°	120.9	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°	6306.0	100.0
0°-180°	6306.0	100.0



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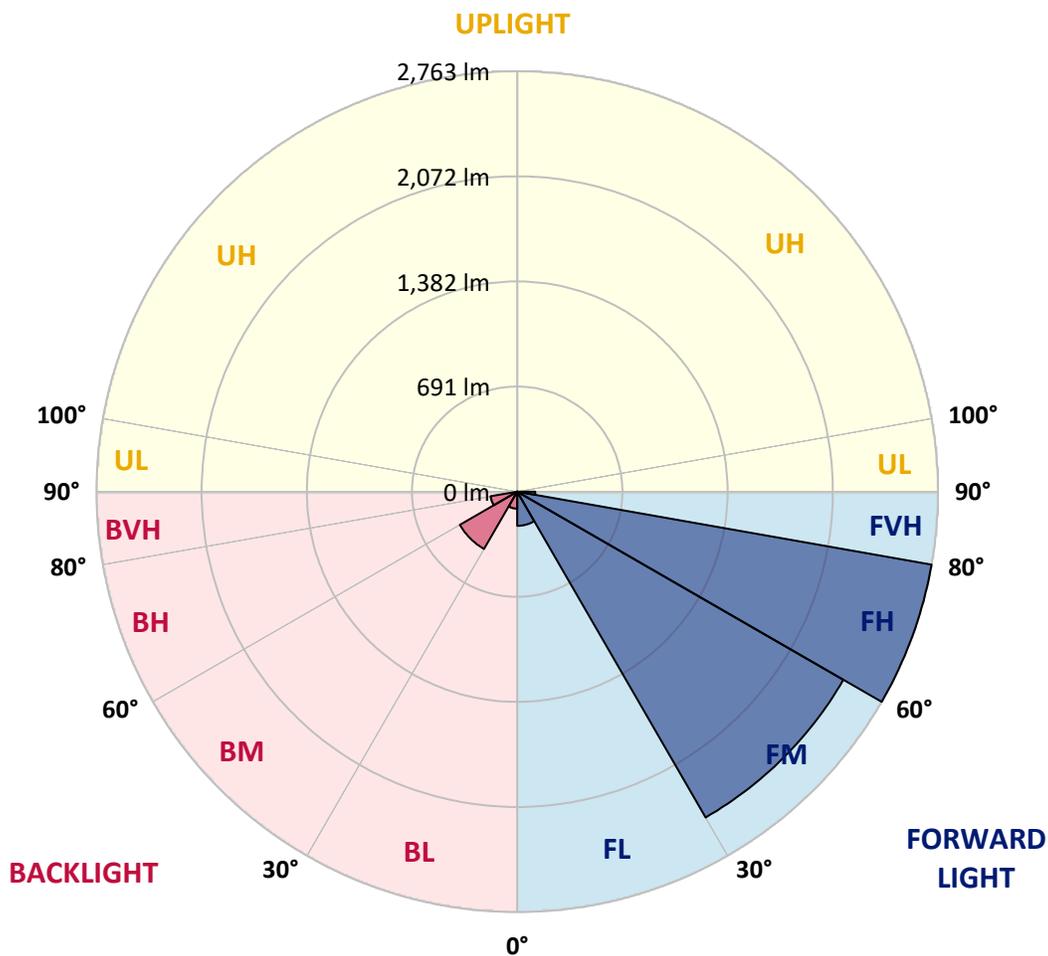
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.4	3.6			
FM	(30°-60°)	2473.0	39.2			
FH	(60°-80°)	2763.3	43.8			G2/5000
FVH	(80°-90°)	118.8	1.9			G2/225
BL	(0°-30°)	111.7	1.8	B1/500		
BM	(30°-60°)	434.9	6.9	B1/1000		
BH	(60°-80°)	177.8	2.8	B1/500		G1/500
BVH	(80°-90°)	2.1	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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	315.8	316.7	317.7	319.1	320.6	321.2	322.0	322.3	322.6	320.0	322.6
5°	314.7	317.4	320.0	323.3	326.5	328.2	329.9	330.8	331.6	334.0	331.6
7.5°	304.5	311.4	318.1	324.3	330.5	335.2	340.2	344.2	348.3	351.1	348.3
10°	305.6	318.0	330.5	342.6	354.8	364.1	373.6	379.9	386.2	389.6	386.2
12.5°	328.1	348.3	368.4	388.8	409.1	428.3	447.4	460.2	472.9	481.7	472.9
15°	374.6	412.6	450.6	486.2	521.8	551.5	581.2	597.0	612.7	614.4	612.7
17.5°	468.8	524.4	579.9	627.1	674.3	705.9	737.5	752.6	767.7	771.8	767.7
20°	590.3	660.2	730.0	774.5	819.1	840.3	861.5	869.4	877.3	872.4	877.3
22.5°	733.2	807.3	881.5	912.0	942.5	940.5	938.5	931.9	925.3	914.1	925.3
25°	906.1	967.6	1029.2	1022.8	1016.3	990.2	964.2	942.2	920.1	909.8	920.1
27.5°	1082.2	1115.5	1148.7	1103.2	1057.6	1007.9	958.2	928.8	899.2	880.9	899.2
30°	1292.5	1271.0	1249.4	1168.2	1087.0	1024.2	961.2	926.3	891.4	870.2	891.4
32.5°	1513.0	1437.0	1361.0	1245.3	1129.5	1056.4	983.2	942.8	902.3	876.7	902.3
35°	1714.2	1589.6	1465.2	1318.5	1171.9	1093.1	1014.5	967.9	921.4	901.3	921.4
37.5°	1939.0	1751.3	1563.6	1385.7	1207.9	1122.0	1036.1	993.3	950.6	929.1	950.6
40°	2176.7	1929.9	1683.2	1475.4	1267.6	1192.0	1116.4	1088.4	1060.3	1054.3	1060.3
42.5°	2465.7	2162.6	1859.5	1637.3	1415.1	1379.3	1343.6	1353.1	1362.5	1401.1	1362.5
45°	2988.0	2617.8	2247.6	1996.7	1745.8	1759.1	1772.4	1845.3	1918.3	1961.0	1918.3
47.5°	3750.1	3347.6	2944.9	2624.7	2304.6	2393.6	2482.8	2659.8	2837.0	2875.1	2837.0
50°	4760.1	4332.0	3904.0	3504.4	3104.7	3292.5	3480.4	3818.9	4157.2	4213.1	4157.2
52.5°	5672.0	5341.9	5011.8	4544.3	4076.6	4395.6	4714.6	5211.3	5708.2	5860.4	5708.2
55°	6253.3	6361.2	6468.9	5978.2	5487.4	5876.4	6265.2	6919.9	7574.6	7866.3	7574.6
57.5°	6455.6	7093.1	7730.6	7386.9	7043.2	7444.6	7846.0	8655.0	9464.0	9924.7	9464.0
60°	6052.0	6964.4	7876.8	7849.9	7823.0	8367.7	8912.3	9809.5	10706.7	11028.3	10706.7
62.5°	5385.7	6138.2	6890.7	7027.4	7164.2	7931.5	8698.9	9536.8	10374.7	10704.0	10374.7
65°	4605.4	5278.6	5951.6	6057.4	6163.1	6982.4	7801.9	8558.7	9315.4	9427.0	9315.4
67.5°	3946.0	4627.3	5308.6	5375.1	5441.7	6138.7	6835.8	7396.9	7958.0	7820.3	7958.0
70°	3256.1	3976.6	4697.1	4807.3	4917.4	5410.9	5904.3	6232.3	6560.2	6394.5	6560.2
72.5°	2481.7	3211.4	3941.2	4042.9	4144.6	4487.2	4829.8	4992.1	5154.2	4827.5	5154.2
75°	1729.2	2356.4	2983.4	3117.0	3250.6	3490.8	3731.2	3796.5	3861.8	3560.1	3861.8
77.5°	927.5	1347.8	1768.3	2005.0	2241.6	2502.2	2762.7	2793.7	2824.8	2624.6	2824.8
80°	273.0	465.6	658.3	936.5	1214.7	1527.7	1840.9	1856.0	1871.1	1722.3	1871.1
82.5°	82.4	166.0	249.6	443.1	636.7	864.2	1091.8	1070.4	1048.9	898.1	1048.9
85°	18.2	57.8	97.4	215.1	332.9	436.8	540.8	498.5	456.2	370.4	456.2
87.5°	2.7	15.9	29.1	76.6	124.2	149.9	175.5	143.3	111.1	100.6	111.1
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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	322.3	322.0	321.2	320.6	319.1	317.7	316.7	315.8	316.8	316.0	314.7
5°	330.8	329.9	328.2	326.5	323.3	320.0	317.4	314.7	310.6	307.4	305.3
7.5°	344.2	340.2	335.2	330.5	324.3	318.1	311.4	304.5	300.4	296.5	293.3
10°	379.9	373.6	364.1	354.8	342.6	330.5	318.0	305.6	300.5	293.8	288.8
12.5°	460.2	447.4	428.3	409.1	388.8	368.4	348.3	328.1	315.4	301.6	291.4
15°	597.0	581.2	551.5	521.8	486.2	450.6	412.6	374.6	348.7	323.8	304.8
17.5°	752.6	737.5	705.9	674.3	627.1	579.9	524.4	468.8	412.2	364.5	329.8
20°	869.4	861.5	840.3	819.1	774.5	730.0	660.2	590.3	503.7	426.0	369.2
22.5°	931.9	938.5	940.5	942.5	912.0	881.5	807.3	733.2	628.3	518.9	432.2
25°	942.2	964.2	990.2	1016.3	1022.8	1029.2	967.6	906.1	777.6	629.6	506.8
27.5°	928.8	958.2	1007.9	1057.6	1103.2	1148.7	1115.5	1082.2	946.1	771.2	608.6
30°	926.3	961.2	1024.2	1087.0	1168.2	1249.4	1271.0	1292.5	1138.8	928.9	722.7
32.5°	942.8	983.2	1056.4	1129.5	1245.3	1361.0	1437.0	1513.0	1350.1	1104.9	850.5
35°	967.9	1014.5	1093.1	1171.9	1318.5	1465.2	1589.6	1714.2	1565.1	1297.1	996.0
37.5°	993.3	1036.1	1122.0	1207.9	1385.7	1563.6	1751.3	1939.0	1801.4	1513.3	1160.4
40°	1088.4	1116.4	1192.0	1267.6	1475.4	1683.2	1929.9	2176.7	2060.5	1743.1	1330.7
42.5°	1353.1	1343.6	1379.3	1415.1	1637.3	1859.5	2162.6	2465.7	2336.2	1974.0	1496.0
45°	1845.3	1772.4	1759.1	1745.8	1996.7	2247.6	2617.8	2988.0	2733.2	2253.0	1677.4
47.5°	2659.8	2482.8	2393.6	2304.6	2624.7	2944.9	3347.6	3750.1	3324.7	2610.5	1880.6
50°	3818.9	3480.4	3292.5	3104.7	3504.4	3904.0	4332.0	4760.1	4020.1	2983.2	2075.4
52.5°	5211.3	4714.6	4395.6	4076.6	4544.3	5011.8	5341.9	5672.0	4518.7	3189.8	2159.1
55°	6919.9	6265.2	5876.4	5487.4	5978.2	6468.9	6361.2	6253.3	4708.1	3191.1	2117.9
57.5°	8655.0	7846.0	7444.6	7043.2	7386.9	7730.6	7093.1	6455.6	4469.4	2896.3	1907.6
60°	9809.5	8912.3	8367.7	7823.0	7849.9	7876.8	6964.4	6052.0	3976.2	2393.4	1545.1
62.5°	9536.8	8698.9	7931.5	7164.2	7027.4	6890.7	6138.2	5385.7	3386.8	1934.4	1225.6
65°	8558.7	7801.9	6982.4	6163.1	6057.4	5951.6	5278.6	4605.4	2835.4	1561.5	962.7
67.5°	7396.9	6835.8	6138.7	5441.7	5375.1	5308.6	4627.3	3946.0	2279.5	1202.3	715.1
70°	6232.3	5904.3	5410.9	4917.4	4807.3	4697.1	3976.6	3256.1	1765.4	901.3	530.7
72.5°	4992.1	4829.8	4487.2	4144.6	4042.9	3941.2	3211.4	2481.7	1217.8	594.6	352.8
75°	3796.5	3731.2	3490.8	3250.6	3117.0	2983.4	2356.4	1729.2	777.8	366.1	221.7
77.5°	2793.7	2762.7	2502.2	2241.6	2005.0	1768.3	1347.8	927.5	407.5	192.1	120.7
80°	1856.0	1840.9	1527.7	1214.7	936.5	658.3	465.6	273.0	123.6	66.2	48.3
82.5°	1070.4	1091.8	864.2	636.7	443.1	249.6	166.0	82.4	37.7	23.5	20.1
85°	498.5	540.8	436.8	332.9	215.1	97.4	57.8	18.2	9.2	7.3	6.6
87.5°	143.3	175.5	149.9	124.2	76.6	29.1	15.9	2.7	0.4	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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	313.4	312.8	312.3	311.9	311.5	310.4	310.0	310.3	310.6	310.2	309.6
5°	303.1	301.2	299.2	297.0	294.9	293.3	290.7	290.7	290.6	291.4	292.2
7.5°	290.1	287.4	284.7	282.8	281.0	279.9	279.6	277.7	275.9	275.9	275.9
10°	283.7	280.4	277.2	274.2	271.3	268.7	269.2	268.0	266.7	266.0	265.2
12.5°	281.3	276.1	270.8	267.6	264.4	262.2	261.0	259.4	257.8	256.8	255.8
15°	285.8	276.7	267.6	263.4	259.3	255.8	251.3	250.4	249.4	248.2	247.0
17.5°	295.2	279.6	264.2	258.5	252.8	248.9	246.4	243.8	241.4	239.2	237.1
20°	312.3	287.3	262.2	254.5	246.7	243.0	239.1	235.8	232.5	229.6	226.7
22.5°	345.5	304.6	263.9	251.8	239.8	234.4	228.2	225.2	222.4	218.9	215.4
25°	384.1	323.7	263.3	246.4	229.6	223.7	220.3	216.1	211.9	208.1	204.2
27.5°	446.1	356.4	266.7	243.8	220.7	213.5	209.9	205.9	202.1	198.0	194.0
30°	516.8	395.8	274.9	243.4	211.9	202.8	199.5	196.1	192.7	188.5	184.3
32.5°	596.2	440.1	284.2	244.9	205.5	195.9	189.7	185.8	182.0	178.2	174.5
35°	694.9	496.4	297.8	246.1	194.3	183.6	178.3	175.1	171.8	167.6	163.6
37.5°	807.6	559.4	311.3	247.2	183.0	171.3	167.8	165.3	162.7	158.3	153.9
40°	918.4	621.3	324.1	249.0	173.9	161.1	156.9	155.1	153.3	149.0	144.7
42.5°	1017.9	676.7	335.6	252.2	168.9	148.8	146.8	144.4	142.1	138.1	134.0
45°	1102.0	723.8	345.7	258.4	171.0	138.1	134.4	132.4	130.4	127.6	125.0
47.5°	1150.7	752.5	354.3	267.7	181.1	131.1	120.5	119.2	118.0	117.2	116.5
50°	1167.6	765.2	362.9	281.6	200.4	138.1	116.7	112.3	107.9	107.9	107.9
52.5°	1128.4	744.1	359.9	290.3	220.7	161.6	123.2	110.5	97.6	97.4	97.2
55°	1044.7	694.8	344.9	291.4	237.8	194.3	139.3	114.3	89.4	87.1	84.8
57.5°	918.9	626.1	333.1	282.0	231.0	207.1	152.2	118.6	84.8	78.4	71.9
60°	696.8	519.4	342.0	273.6	205.3	186.2	149.2	116.7	84.3	72.8	61.2
62.5°	516.8	413.6	310.4	243.6	176.8	147.7	133.3	109.7	86.2	70.0	53.7
65°	363.9	315.6	267.1	217.1	167.0	116.1	110.0	97.2	84.3	66.8	49.2
67.5°	228.0	206.5	185.0	163.2	141.5	96.9	85.8	76.5	67.2	55.2	43.4
70°	160.0	147.5	134.9	123.7	112.6	81.9	66.6	58.7	50.8	44.5	38.3
72.5°	111.1	102.1	93.1	87.3	81.6	67.4	51.6	44.5	37.5	33.6	29.8
75°	77.3	70.6	64.0	58.8	53.5	44.4	33.6	28.5	23.3	21.3	19.3
77.5°	49.2	44.1	39.1	34.7	30.2	27.8	20.9	18.0	15.0	14.3	13.7
80°	30.5	27.0	23.5	20.1	16.6	15.5	10.7	9.5	8.3	8.3	8.3
82.5°	16.6	14.6	12.6	10.2	7.7	6.4	4.5	3.9	3.2	3.2	3.2
85°	6.2	5.4	4.5	3.6	2.7	1.6	0.6	0.9	1.1	1.0	0.9
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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	308.7	307.7	308.5	309.3	308.4	307.4	307.6	307.7	306.7	305.6	304.4
5°	292.3	292.4	293.7	294.9	295.3	295.6	296.1	296.5	296.7	297.0	297.1
7.5°	276.2	276.4	277.1	277.8	278.7	279.6	281.9	284.2	285.4	286.7	288.0
10°	264.6	264.2	266.4	268.7	269.3	270.0	272.7	275.3	276.8	278.3	279.5
12.5°	254.8	253.7	254.8	255.8	257.9	259.9	263.7	267.6	270.6	273.5	274.1
15°	246.0	244.9	245.8	246.7	247.8	248.9	252.7	256.7	260.0	263.3	264.9
17.5°	235.3	233.3	232.5	231.7	235.3	238.7	242.0	245.3	248.9	252.4	255.4
20°	224.4	222.1	221.6	221.0	222.5	223.9	228.2	232.5	236.8	241.1	242.4
22.5°	212.2	208.9	208.1	207.1	207.9	208.7	210.9	213.0	216.2	219.4	221.8
25°	200.8	197.5	194.8	192.1	192.2	192.5	193.6	194.8	196.0	197.2	198.6
27.5°	190.1	186.2	182.8	179.3	177.9	176.6	175.4	174.3	173.9	173.6	173.4
30°	179.7	175.0	171.3	167.5	163.7	159.7	157.2	154.7	152.0	149.3	147.3
32.5°	170.0	165.4	158.6	152.0	147.9	144.0	139.3	134.7	129.7	125.0	121.8
35°	158.4	153.3	147.1	140.8	133.9	127.2	120.3	113.5	107.0	100.6	97.0
37.5°	147.6	141.3	134.7	127.9	118.4	109.0	101.0	93.1	86.6	80.1	76.2
40°	137.4	130.1	121.0	111.9	101.6	91.2	82.6	74.1	67.9	61.5	58.3
42.5°	126.9	119.9	109.4	99.0	87.7	76.2	67.3	58.3	53.0	47.6	44.7
45°	116.9	109.0	96.8	84.6	73.9	63.2	55.4	47.6	42.6	37.5	35.2
47.5°	107.9	99.3	86.6	73.9	63.7	53.5	46.2	39.1	34.4	29.8	27.6
50°	99.1	90.4	77.6	64.8	55.4	46.0	39.6	33.2	28.8	24.4	22.3
52.5°	89.5	81.9	69.4	56.7	49.3	42.0	35.9	29.8	25.0	20.3	18.2
55°	78.0	71.2	60.8	50.3	43.7	36.9	31.5	25.9	21.0	16.1	13.8
57.5°	66.3	60.5	51.6	42.8	37.2	31.6	26.3	21.2	16.5	11.8	9.8
60°	56.1	50.8	43.4	35.9	30.4	24.8	20.3	15.8	11.7	7.5	5.6
62.5°	48.4	43.0	35.8	28.4	24.0	19.5	15.5	11.6	7.6	3.7	2.0
65°	42.7	36.2	29.9	23.5	18.7	13.9	10.3	6.6	4.1	1.3	0.6
67.5°	36.3	29.1	23.1	17.1	13.0	8.8	5.8	2.7	1.3	0.0	0.0
70°	30.5	22.7	16.2	9.6	6.4	3.2	1.9	0.5	0.2	0.0	0.0
72.5°	23.1	16.6	10.5	4.3	2.8	1.3	0.9	0.2	0.1	0.0	0.0
75°	15.4	11.6	7.4	3.2	2.0	0.9	0.4	0.0	0.0	0.0	0.0
77.5°	11.3	9.1	5.6	2.1	1.3	0.5	0.2	0.0	0.0	0.0	0.0
80°	6.9	5.4	3.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.7	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	303.1	302.9	303.1	304.4	305.6	306.7	307.7	307.6	307.4	308.4	309.3
5°	297.4	297.6	297.4	297.1	297.0	296.7	296.5	296.1	295.6	295.3	294.9
7.5°	289.5	292.2	289.5	288.0	286.7	285.4	284.2	281.9	279.6	278.7	277.8
10°	280.7	282.6	280.7	279.5	278.3	276.8	275.3	272.7	270.0	269.3	268.7
12.5°	274.9	275.1	274.9	274.1	273.5	270.6	267.6	263.7	259.9	257.9	255.8
15°	266.5	267.6	266.5	264.9	263.3	260.0	256.7	252.7	248.9	247.8	246.7
17.5°	258.5	260.1	258.5	255.4	252.4	248.9	245.3	242.0	238.7	235.3	231.7
20°	243.8	243.0	243.8	242.4	241.1	236.8	232.5	228.2	223.9	222.5	221.0
22.5°	224.2	226.9	224.2	221.8	219.4	216.2	213.0	210.9	208.7	207.9	207.1
25°	200.0	201.2	200.0	198.6	197.2	196.0	194.8	193.6	192.5	192.2	192.1
27.5°	173.2	172.3	173.2	173.4	173.6	173.9	174.3	175.4	176.6	177.9	179.3
30°	145.4	144.5	145.4	147.3	149.3	152.0	154.7	157.2	159.7	163.7	167.5
32.5°	118.6	116.7	118.6	121.8	125.0	129.7	134.7	139.3	144.0	147.9	152.0
35°	93.3	92.1	93.3	97.0	100.6	107.0	113.5	120.3	127.2	133.9	140.8
37.5°	72.6	70.6	72.6	76.2	80.1	86.6	93.1	101.0	109.0	118.4	127.9
40°	55.1	53.5	55.1	58.3	61.5	67.9	74.1	82.6	91.2	101.6	111.9
42.5°	41.7	39.6	41.7	44.7	47.6	53.0	58.3	67.3	76.2	87.7	99.0
45°	33.0	32.1	33.0	35.2	37.5	42.6	47.6	55.4	63.2	73.9	84.6
47.5°	25.5	24.6	25.5	27.6	29.8	34.4	39.1	46.2	53.5	63.7	73.9
50°	20.1	19.3	20.1	22.3	24.4	28.8	33.2	39.6	46.0	55.4	64.8
52.5°	16.1	15.0	16.1	18.2	20.3	25.0	29.8	35.9	42.0	49.3	56.7
55°	11.6	10.7	11.6	13.8	16.1	21.0	25.9	31.5	36.9	43.7	50.3
57.5°	8.0	7.5	8.0	9.8	11.8	16.5	21.2	26.3	31.6	37.2	42.8
60°	3.7	3.2	3.7	5.6	7.5	11.7	15.8	20.3	24.8	30.4	35.9
62.5°	0.2	0.0	0.2	2.0	3.7	7.6	11.6	15.5	19.5	24.0	28.4
65°	0.0	0.0	0.0	0.6	1.3	4.1	6.6	10.3	13.9	18.7	23.5
67.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.7	5.8	8.8	13.0	17.1
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.9	3.2	6.4	9.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.9	1.3	2.8	4.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	2.0	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.3	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	308.5	307.7	308.7	309.6	310.2	310.6	310.3	310.0	310.4	311.5	311.9
5°	293.7	292.4	292.3	292.2	291.4	290.6	290.7	290.7	293.3	294.9	297.0
7.5°	277.1	276.4	276.2	275.9	275.9	275.9	277.7	279.6	279.9	281.0	282.8
10°	266.4	264.2	264.6	265.2	266.0	266.7	268.0	269.2	268.7	271.3	274.2
12.5°	254.8	253.7	254.8	255.8	256.8	257.8	259.4	261.0	262.2	264.4	267.6
15°	245.8	244.9	246.0	247.0	248.2	249.4	250.4	251.3	255.8	259.3	263.4
17.5°	232.5	233.3	235.3	237.1	239.2	241.4	243.8	246.4	248.9	252.8	258.5
20°	221.6	222.1	224.4	226.7	229.6	232.5	235.8	239.1	243.0	246.7	254.5
22.5°	208.1	208.9	212.2	215.4	218.9	222.4	225.2	228.2	234.4	239.8	251.8
25°	194.8	197.5	200.8	204.2	208.1	211.9	216.1	220.3	223.7	229.6	246.4
27.5°	182.8	186.2	190.1	194.0	198.0	202.1	205.9	209.9	213.5	220.7	243.8
30°	171.3	175.0	179.7	184.3	188.5	192.7	196.1	199.5	202.8	211.9	243.4
32.5°	158.6	165.4	170.0	174.5	178.2	182.0	185.8	189.7	195.9	205.5	244.9
35°	147.1	153.3	158.4	163.6	167.6	171.8	175.1	178.3	183.6	194.3	246.1
37.5°	134.7	141.3	147.6	153.9	158.3	162.7	165.3	167.8	171.3	183.0	247.2
40°	121.0	130.1	137.4	144.7	149.0	153.3	155.1	156.9	161.1	173.9	249.0
42.5°	109.4	119.9	126.9	134.0	138.1	142.1	144.4	146.8	148.8	168.9	252.2
45°	96.8	109.0	116.9	125.0	127.6	130.4	132.4	134.4	138.1	171.0	258.4
47.5°	86.6	99.3	107.9	116.5	117.2	118.0	119.2	120.5	131.1	181.1	267.7
50°	77.6	90.4	99.1	107.9	107.9	107.9	112.3	116.7	138.1	200.4	281.6
52.5°	69.4	81.9	89.5	97.2	97.4	97.6	110.5	123.2	161.6	220.7	290.3
55°	60.8	71.2	78.0	84.8	87.1	89.4	114.3	139.3	194.3	237.8	291.4
57.5°	51.6	60.5	66.3	71.9	78.4	84.8	118.6	152.2	207.1	231.0	282.0
60°	43.4	50.8	56.1	61.2	72.8	84.3	116.7	149.2	186.2	205.3	273.6
62.5°	35.8	43.0	48.4	53.7	70.0	86.2	109.7	133.3	147.7	176.8	243.6
65°	29.9	36.2	42.7	49.2	66.8	84.3	97.2	110.0	116.1	167.0	217.1
67.5°	23.1	29.1	36.3	43.4	55.2	67.2	76.5	85.8	96.9	141.5	163.2
70°	16.2	22.7	30.5	38.3	44.5	50.8	58.7	66.6	81.9	112.6	123.7
72.5°	10.5	16.6	23.1	29.8	33.6	37.5	44.5	51.6	67.4	81.6	87.3
75°	7.4	11.6	15.4	19.3	21.3	23.3	28.5	33.6	44.4	53.5	58.8
77.5°	5.6	9.1	11.3	13.7	14.3	15.0	18.0	20.9	27.8	30.2	34.7
80°	3.2	5.4	6.9	8.3	8.3	8.3	9.5	10.7	15.5	16.6	20.1
82.5°	1.1	2.1	2.7	3.2	3.2	3.2	3.9	4.5	6.4	7.7	10.2
85°	0.1	0.2	0.5	0.9	1.0	1.1	0.9	0.6	1.6	2.7	3.6
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°	313.6	313.6	313.6	313.6	313.6	313.6	313.6
2.5°	312.3	312.8	313.4	314.7	316.0	316.8	315.8
5°	299.2	301.2	303.1	305.3	307.4	310.6	314.7
7.5°	284.7	287.4	290.1	293.3	296.5	300.4	304.5
10°	277.2	280.4	283.7	288.8	293.8	300.5	305.6
12.5°	270.8	276.1	281.3	291.4	301.6	315.4	328.1
15°	267.6	276.7	285.8	304.8	323.8	348.7	374.6
17.5°	264.2	279.6	295.2	329.8	364.5	412.2	468.8
20°	262.2	287.3	312.3	369.2	426.0	503.7	590.3
22.5°	263.9	304.6	345.5	432.2	518.9	628.3	733.2
25°	263.3	323.7	384.1	506.8	629.6	777.6	906.1
27.5°	266.7	356.4	446.1	608.6	771.2	946.1	1082.2
30°	274.9	395.8	516.8	722.7	928.9	1138.8	1292.5
32.5°	284.2	440.1	596.2	850.5	1104.9	1350.1	1513.0
35°	297.8	496.4	694.9	996.0	1297.1	1565.1	1714.2
37.5°	311.3	559.4	807.6	1160.4	1513.3	1801.4	1939.0
40°	324.1	621.3	918.4	1330.7	1743.1	2060.5	2176.7
42.5°	335.6	676.7	1017.9	1496.0	1974.0	2336.2	2465.7
45°	345.7	723.8	1102.0	1677.4	2253.0	2733.2	2988.0
47.5°	354.3	752.5	1150.7	1880.6	2610.5	3324.7	3750.1
50°	362.9	765.2	1167.6	2075.4	2983.2	4020.1	4760.1
52.5°	359.9	744.1	1128.4	2159.1	3189.8	4518.7	5672.0
55°	344.9	694.8	1044.7	2117.9	3191.1	4708.1	6253.3
57.5°	333.1	626.1	918.9	1907.6	2896.3	4469.4	6455.6
60°	342.0	519.4	696.8	1545.1	2393.4	3976.2	6052.0
62.5°	310.4	413.6	516.8	1225.6	1934.4	3386.8	5385.7
65°	267.1	315.6	363.9	962.7	1561.5	2835.4	4605.4
67.5°	185.0	206.5	228.0	715.1	1202.3	2279.5	3946.0
70°	134.9	147.5	160.0	530.7	901.3	1765.4	3256.1
72.5°	93.1	102.1	111.1	352.8	594.6	1217.8	2481.7
75°	64.0	70.6	77.3	221.7	366.1	777.8	1729.2
77.5°	39.1	44.1	49.2	120.7	192.1	407.5	927.5
80°	23.5	27.0	30.5	48.3	66.2	123.6	273.0
82.5°	12.6	14.6	16.6	20.1	23.5	37.7	82.4
85°	4.5	5.4	6.2	6.6	7.3	9.2	18.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)