

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: P1208506

Luminaire Tested: UPW-SA1-070-727-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208506
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-SA1-070-727-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 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: 4382 lumens
Efficiency: N/A
Efficacy: 65.4 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

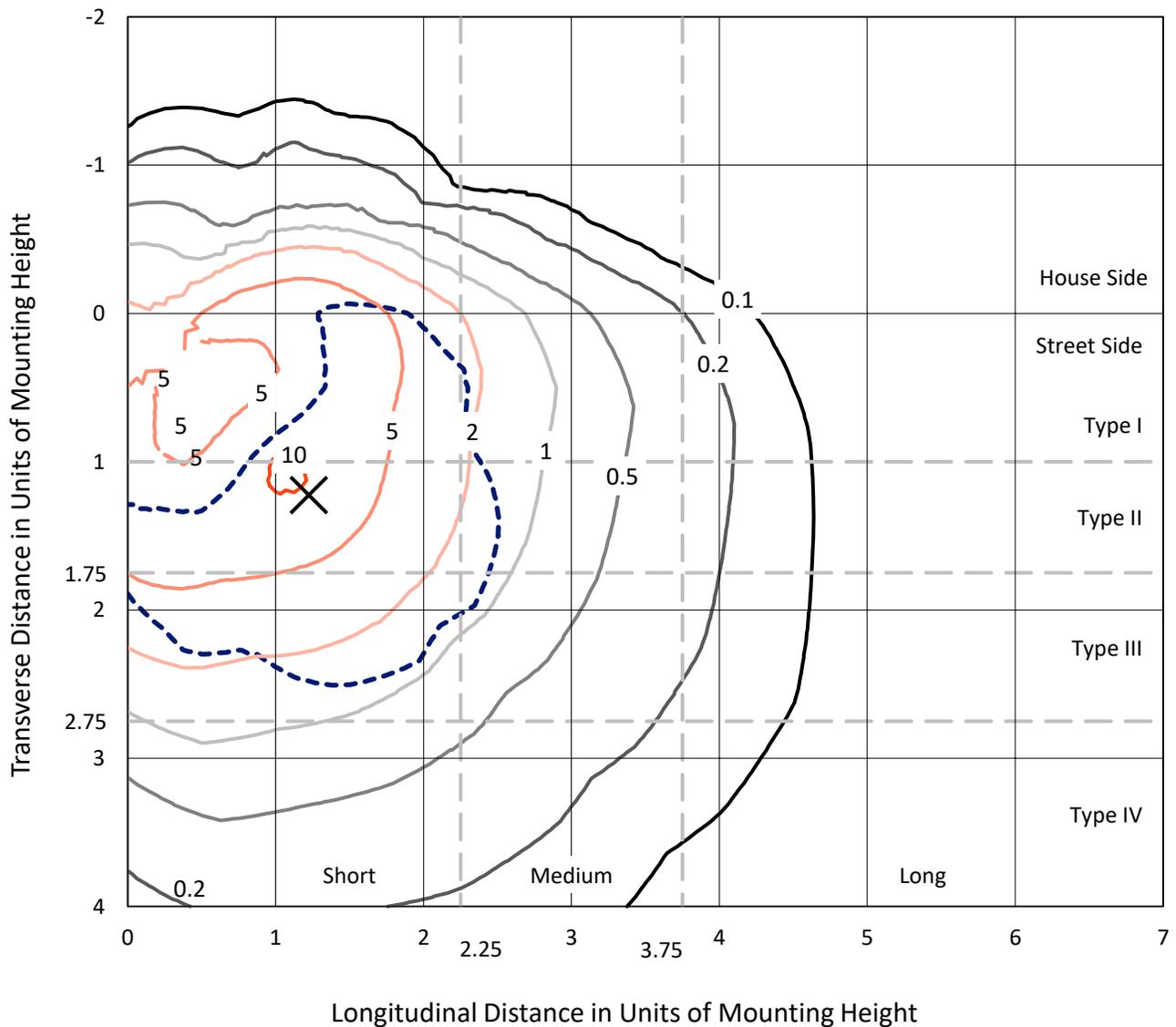
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

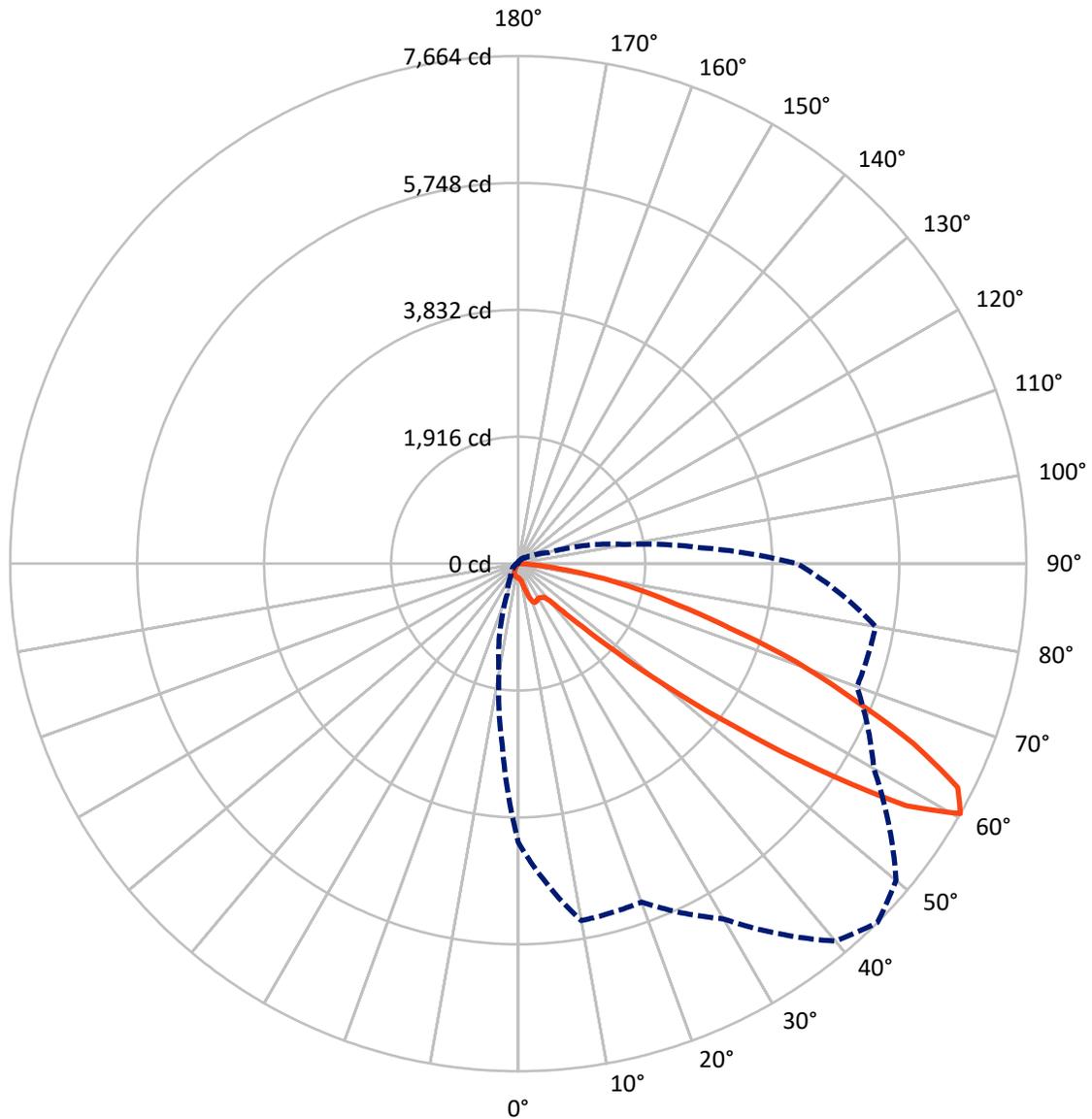
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	504.8	0.0	504.8
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3877.2	0.0	3877.2
	% Fixture	88.5	0.0	88.5
Total	Lumens	4382.0	0.0	4382.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.5
10°-20°	67.6	1.5
20°-30°	146.0	3.3
30°-40°	246.0	5.6
40°-50°	496.8	11.3
50°-60°	1277.8	29.2
60°-70°	1389.3	31.7
70°-80°	654.5	14.9
80°-90°	84.0	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°	4382.0	100.0
0°-180°	4382.0	100.0



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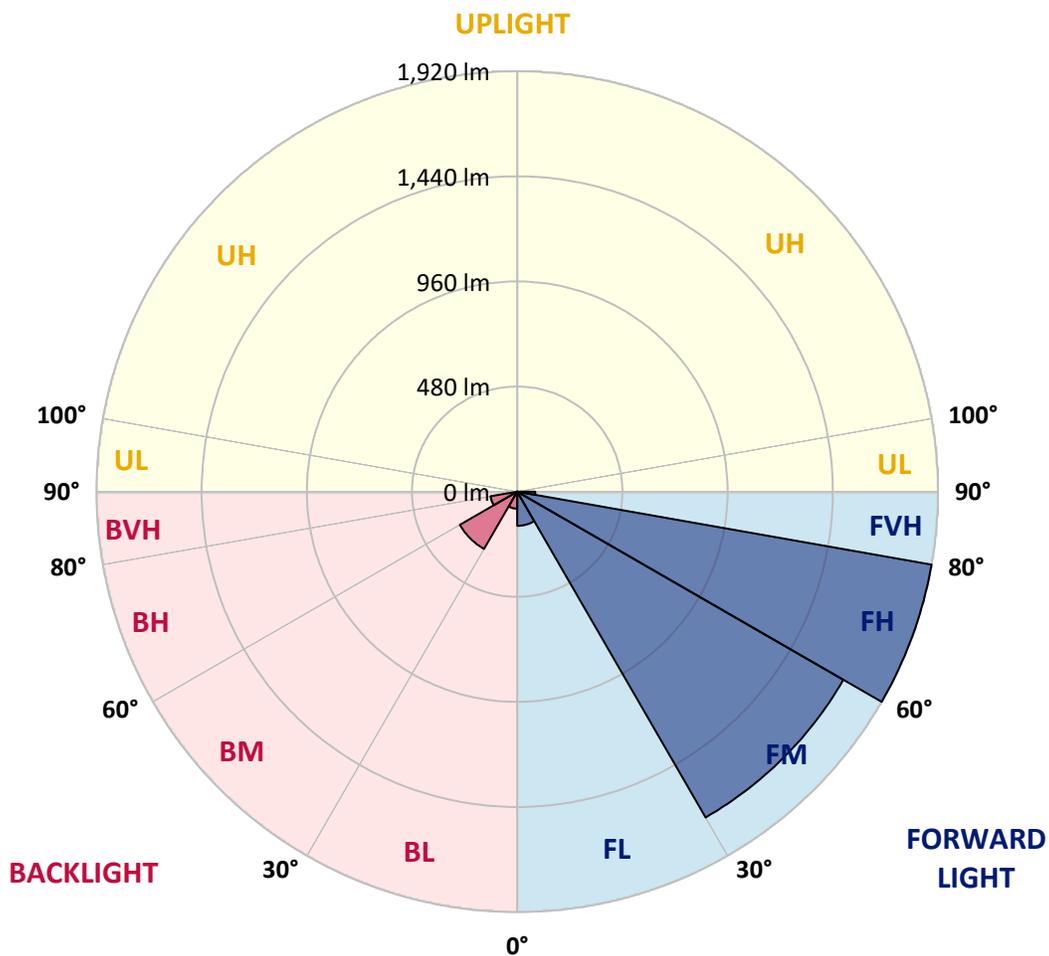
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.9	3.6			
FM	(30°-60°)	1718.5	39.2			
FH	(60°-80°)	1920.2	43.8			G2/5000
FVH	(80°-90°)	82.5	1.9			G1/100
BL	(0°-30°)	77.6	1.8	B0/110		
BM	(30°-60°)	302.2	6.9	B1/1000		
BH	(60°-80°)	123.5	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°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	219.4	220.1	220.8	221.7	222.8	223.2	223.7	224.0	224.2	222.4	224.2
5°	218.7	220.5	222.4	224.6	226.9	228.1	229.2	229.8	230.4	232.1	230.4
7.5°	211.6	216.4	221.1	225.4	229.7	233.0	236.4	239.2	242.0	244.0	242.0
10°	212.4	221.0	229.7	238.1	246.6	253.0	259.6	264.0	268.4	270.7	268.4
12.5°	228.0	242.0	256.0	270.2	284.3	297.6	310.9	319.8	328.6	334.7	328.6
15°	260.3	286.7	313.1	337.8	362.6	383.2	403.9	414.8	425.8	426.9	425.8
17.5°	325.8	364.4	403.0	435.8	468.6	490.5	512.5	523.0	533.5	536.3	533.5
20°	410.2	458.8	507.3	538.2	569.2	583.9	598.6	604.1	609.6	606.2	609.6
22.5°	509.5	561.0	612.5	633.7	654.9	653.5	652.2	647.6	643.0	635.2	643.0
25°	629.6	672.4	715.2	710.7	706.2	688.1	670.0	654.7	639.4	632.2	639.4
27.5°	752.0	775.1	798.3	766.6	734.9	700.4	665.9	645.4	624.9	612.2	624.9
30°	898.2	883.2	868.2	811.8	755.3	711.7	667.9	643.7	619.4	604.7	619.4
32.5°	1051.4	998.6	945.8	865.4	784.9	734.1	683.2	655.1	627.0	609.2	627.0
35°	1191.2	1104.6	1018.1	916.2	814.3	759.6	705.0	672.6	640.3	626.3	640.3
37.5°	1347.4	1217.0	1086.6	962.9	839.4	779.7	720.0	690.3	660.6	645.6	660.6
40°	1512.5	1341.1	1169.6	1025.3	880.8	828.3	775.8	756.3	736.8	732.7	736.8
42.5°	1713.4	1502.8	1292.2	1137.7	983.3	958.5	933.6	940.3	946.8	973.6	946.8
45°	2076.4	1819.1	1561.9	1387.5	1213.2	1222.4	1231.6	1282.3	1333.0	1362.7	1333.0
47.5°	2605.9	2326.2	2046.4	1823.9	1601.4	1663.3	1725.3	1848.3	1971.4	1997.9	1971.4
50°	3307.7	3010.3	2712.8	2435.2	2157.4	2288.0	2418.5	2653.7	2888.8	2927.6	2888.8
52.5°	3941.5	3712.1	3482.7	3157.8	2832.8	3054.5	3276.1	3621.3	3966.6	4072.4	3966.6
55°	4345.3	4420.3	4495.2	4154.2	3813.2	4083.5	4353.7	4808.6	5263.5	5466.3	5263.5
57.5°	4485.9	4928.9	5372.0	5133.1	4894.3	5173.2	5452.1	6014.3	6576.5	6896.6	6576.5
60°	4205.5	4839.5	5473.6	5454.8	5436.1	5814.7	6193.1	6816.6	7440.1	7663.5	7440.1
62.5°	3742.5	4265.4	4788.3	4883.3	4978.3	5511.6	6044.8	6627.1	7209.3	7438.1	7209.3
65°	3200.3	3668.0	4135.7	4209.2	4282.7	4852.0	5421.5	5947.4	6473.2	6550.8	6473.2
67.5°	2742.1	3215.5	3688.9	3735.1	3781.4	4265.8	4750.1	5140.0	5529.9	5434.3	5529.9
70°	2262.7	2763.3	3264.0	3340.5	3417.1	3760.0	4102.9	4330.8	4558.7	4443.5	4558.7
72.5°	1724.5	2231.6	2738.7	2809.4	2880.0	3118.1	3356.2	3469.0	3581.6	3354.6	3581.6
75°	1201.6	1637.4	2073.2	2166.0	2258.8	2425.7	2592.8	2638.2	2683.5	2473.9	2683.5
77.5°	644.5	936.6	1228.8	1393.2	1557.7	1738.7	1919.8	1941.3	1962.9	1823.8	1962.9
80°	189.7	323.6	457.4	650.8	844.1	1061.6	1279.2	1289.7	1300.2	1196.8	1300.2
82.5°	57.3	115.4	173.5	307.9	442.4	600.6	758.7	743.8	728.9	624.1	728.9
85°	12.6	40.2	67.7	149.5	231.3	303.5	375.8	346.4	317.0	257.4	317.0
87.5°	1.9	11.1	20.2	53.3	86.3	104.1	122.0	99.6	77.2	69.9	77.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	224.0	223.7	223.2	222.8	221.7	220.8	220.1	219.4	220.2	219.6	218.7
5°	229.8	229.2	228.1	226.9	224.6	222.4	220.5	218.7	215.9	213.6	212.1
7.5°	239.2	236.4	233.0	229.7	225.4	221.1	216.4	211.6	208.7	206.0	203.8
10°	264.0	259.6	253.0	246.6	238.1	229.7	221.0	212.4	208.8	204.2	200.7
12.5°	319.8	310.9	297.6	284.3	270.2	256.0	242.0	228.0	219.2	209.6	202.5
15°	414.8	403.9	383.2	362.6	337.8	313.1	286.7	260.3	242.3	225.0	211.8
17.5°	523.0	512.5	490.5	468.6	435.8	403.0	364.4	325.8	286.4	253.3	229.2
20°	604.1	598.6	583.9	569.2	538.2	507.3	458.8	410.2	350.0	296.0	256.5
22.5°	647.6	652.2	653.5	654.9	633.7	612.5	561.0	509.5	436.6	360.6	300.4
25°	654.7	670.0	688.1	706.2	710.7	715.2	672.4	629.6	540.4	437.5	352.2
27.5°	645.4	665.9	700.4	734.9	766.6	798.3	775.1	752.0	657.5	535.9	422.9
30°	643.7	667.9	711.7	755.3	811.8	868.2	883.2	898.2	791.3	645.5	502.2
32.5°	655.1	683.2	734.1	784.9	865.4	945.8	998.6	1051.4	938.2	767.8	591.0
35°	672.6	705.0	759.6	814.3	916.2	1018.1	1104.6	1191.2	1087.6	901.4	692.1
37.5°	690.3	720.0	779.7	839.4	962.9	1086.6	1217.0	1347.4	1251.8	1051.6	806.4
40°	756.3	775.8	828.3	880.8	1025.3	1169.6	1341.1	1512.5	1431.8	1211.3	924.7
42.5°	940.3	933.6	958.5	983.3	1137.7	1292.2	1502.8	1713.4	1623.4	1371.7	1039.6
45°	1282.3	1231.6	1222.4	1213.2	1387.5	1561.9	1819.1	2076.4	1899.2	1565.6	1165.6
47.5°	1848.3	1725.3	1663.3	1601.4	1823.9	2046.4	2326.2	2605.9	2310.3	1814.0	1306.8
50°	2653.7	2418.5	2288.0	2157.4	2435.2	2712.8	3010.3	3307.7	2793.5	2073.0	1442.2
52.5°	3621.3	3276.1	3054.5	2832.8	3157.8	3482.7	3712.1	3941.5	3140.0	2216.6	1500.3
55°	4808.6	4353.7	4083.5	3813.2	4154.2	4495.2	4420.3	4345.3	3271.7	2217.5	1471.7
57.5°	6014.3	5452.1	5173.2	4894.3	5133.1	5372.0	4928.9	4485.9	3105.8	2012.6	1325.5
60°	6816.6	6193.1	5814.7	5436.1	5454.8	5473.6	4839.5	4205.5	2763.0	1663.2	1073.7
62.5°	6627.1	6044.8	5511.6	4978.3	4883.3	4788.3	4265.4	3742.5	2353.5	1344.2	851.7
65°	5947.4	5421.5	4852.0	4282.7	4209.2	4135.7	3668.0	3200.3	1970.3	1085.1	669.0
67.5°	5140.0	4750.1	4265.8	3781.4	3735.1	3688.9	3215.5	2742.1	1584.0	835.4	496.9
70°	4330.8	4102.9	3760.0	3417.1	3340.5	3264.0	2763.3	2262.7	1226.8	626.3	368.8
72.5°	3469.0	3356.2	3118.1	2880.0	2809.4	2738.7	2231.6	1724.5	846.2	413.2	245.2
75°	2638.2	2592.8	2425.7	2258.8	2166.0	2073.2	1637.4	1201.6	540.5	254.4	154.0
77.5°	1941.3	1919.8	1738.7	1557.7	1393.2	1228.8	936.6	644.5	283.2	133.5	83.9
80°	1289.7	1279.2	1061.6	844.1	650.8	457.4	323.6	189.7	85.9	46.0	33.5
82.5°	743.8	758.7	600.6	442.4	307.9	173.5	115.4	57.3	26.2	16.4	14.0
85°	346.4	375.8	303.5	231.3	149.5	67.7	40.2	12.6	6.4	5.1	4.6
87.5°	99.6	122.0	104.1	86.3	53.3	20.2	11.1	1.9	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°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	217.8	217.3	217.0	216.7	216.4	215.7	215.4	215.6	215.9	215.6	215.1
5°	210.6	209.3	207.9	206.4	204.9	203.8	202.0	202.0	201.9	202.5	203.1
7.5°	201.6	199.7	197.9	196.5	195.3	194.5	194.3	192.9	191.8	191.8	191.8
10°	197.1	194.9	192.6	190.6	188.6	186.7	187.1	186.3	185.4	184.8	184.3
12.5°	195.5	191.8	188.2	186.0	183.7	182.2	181.3	180.2	179.1	178.4	177.8
15°	198.6	192.3	186.0	183.1	180.2	177.8	174.6	174.0	173.3	172.5	171.7
17.5°	205.1	194.3	183.6	179.6	175.7	172.9	171.2	169.4	167.7	166.2	164.8
20°	217.0	199.6	182.2	176.9	171.4	168.8	166.2	163.9	161.6	159.5	157.5
22.5°	240.1	211.7	183.3	174.9	166.6	162.9	158.6	156.5	154.6	152.1	149.7
25°	266.9	224.9	183.0	171.2	159.5	155.5	153.1	150.2	147.3	144.6	141.9
27.5°	310.0	247.7	185.4	169.4	153.4	148.4	145.9	143.1	140.4	137.6	134.8
30°	359.1	275.1	191.0	169.1	147.3	141.0	138.6	136.3	133.9	131.0	128.1
32.5°	414.3	305.9	197.5	170.2	142.8	136.1	131.8	129.1	126.4	123.8	121.2
35°	482.9	345.0	206.9	171.0	135.0	127.6	123.9	121.7	119.4	116.5	113.7
37.5°	561.2	388.7	216.3	171.7	127.2	119.0	116.6	114.8	113.1	110.0	107.0
40°	638.2	431.7	225.2	173.0	120.9	111.9	109.0	107.8	106.5	103.5	100.6
42.5°	707.4	470.2	233.2	175.2	117.4	103.4	102.0	100.3	98.8	96.0	93.1
45°	765.8	503.0	240.3	179.6	118.9	96.0	93.4	92.0	90.6	88.7	86.9
47.5°	799.6	522.9	246.2	186.0	125.9	91.1	83.8	82.9	82.0	81.4	80.9
50°	811.4	531.8	252.2	195.7	139.2	96.0	81.1	78.0	75.0	75.0	75.0
52.5°	784.1	517.1	250.1	201.7	153.4	112.3	85.6	76.8	67.8	67.7	67.5
55°	726.0	482.8	239.7	202.5	165.3	135.0	96.8	79.4	62.1	60.5	58.9
57.5°	638.6	435.1	231.5	196.0	160.5	143.9	105.8	82.4	58.9	54.4	50.0
60°	484.2	360.9	237.6	190.1	142.7	129.4	103.7	81.1	58.6	50.6	42.5
62.5°	359.1	287.4	215.7	169.3	122.9	102.6	92.6	76.2	59.9	48.6	37.3
65°	252.9	219.3	185.6	150.8	116.0	80.7	76.5	67.5	58.6	46.4	34.2
67.5°	158.4	143.5	128.5	113.4	98.3	67.3	59.7	53.2	46.7	38.4	30.1
70°	111.2	102.5	93.7	86.0	78.2	56.9	46.3	40.8	35.3	30.9	26.6
72.5°	77.2	71.0	64.7	60.7	56.7	46.9	35.9	30.9	26.0	23.4	20.7
75°	53.7	49.1	44.5	40.8	37.2	30.9	23.4	19.8	16.2	14.8	13.4
77.5°	34.2	30.6	27.1	24.1	21.0	19.3	14.5	12.5	10.4	10.0	9.5
80°	21.2	18.7	16.4	14.0	11.5	10.8	7.4	6.6	5.8	5.8	5.8
82.5°	11.5	10.1	8.8	7.1	5.4	4.5	3.1	2.7	2.2	2.2	2.2
85°	4.3	3.7	3.1	2.5	1.9	1.1	0.4	0.6	0.7	0.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	214.5	213.8	214.4	215.0	214.3	213.6	213.8	213.8	213.1	212.4	211.5
5°	203.1	203.2	204.1	204.9	205.2	205.4	205.7	206.0	206.2	206.4	206.5
7.5°	191.9	192.1	192.6	193.0	193.7	194.3	195.9	197.5	198.3	199.2	200.2
10°	183.9	183.6	185.1	186.7	187.1	187.6	189.5	191.3	192.3	193.4	194.2
12.5°	177.0	176.3	177.0	177.8	179.2	180.6	183.3	186.0	188.0	190.0	190.5
15°	170.9	170.2	170.8	171.4	172.2	172.9	175.6	178.4	180.7	183.0	184.1
17.5°	163.5	162.2	161.6	161.0	163.5	165.9	168.2	170.5	172.9	175.4	177.5
20°	155.9	154.3	154.0	153.6	154.6	155.6	158.6	161.6	164.5	167.5	168.5
22.5°	147.4	145.2	144.6	143.9	144.4	145.0	146.5	148.0	150.3	152.5	154.1
25°	139.5	137.2	135.4	133.5	133.6	133.7	134.6	135.4	136.2	137.0	138.0
27.5°	132.1	129.4	127.0	124.6	123.6	122.7	121.9	121.1	120.9	120.6	120.5
30°	124.9	121.6	119.0	116.4	113.7	111.0	109.3	107.5	105.6	103.8	102.3
32.5°	118.1	114.9	110.2	105.6	102.8	100.0	96.8	93.6	90.2	86.9	84.6
35°	110.1	106.5	102.2	97.8	93.1	88.4	83.6	78.8	74.4	69.9	67.4
37.5°	102.6	98.2	93.6	88.9	82.3	75.7	70.2	64.7	60.2	55.6	53.0
40°	95.5	90.4	84.1	77.7	70.6	63.4	57.4	51.5	47.2	42.8	40.5
42.5°	88.2	83.3	76.0	68.8	60.9	53.0	46.8	40.5	36.8	33.1	31.1
45°	81.2	75.7	67.2	58.8	51.3	43.9	38.5	33.1	29.6	26.0	24.5
47.5°	75.0	69.0	60.2	51.3	44.3	37.2	32.1	27.1	23.9	20.7	19.2
50°	68.9	62.9	53.9	45.0	38.5	32.0	27.5	23.1	20.0	17.0	15.5
52.5°	62.2	56.9	48.2	39.4	34.3	29.2	24.9	20.7	17.4	14.1	12.6
55°	54.2	49.5	42.2	35.0	30.3	25.7	21.9	18.0	14.6	11.2	9.6
57.5°	46.0	42.0	35.9	29.8	25.9	21.9	18.3	14.7	11.5	8.2	6.8
60°	39.0	35.3	30.1	24.9	21.1	17.3	14.1	11.0	8.1	5.2	3.9
62.5°	33.6	29.9	24.8	19.7	16.7	13.5	10.8	8.0	5.3	2.6	1.4
65°	29.7	25.1	20.8	16.4	13.0	9.7	7.1	4.6	2.8	0.9	0.4
67.5°	25.2	20.2	16.1	11.9	9.0	6.1	4.0	1.9	0.9	0.0	0.0
70°	21.2	15.8	11.2	6.7	4.5	2.2	1.3	0.4	0.1	0.0	0.0
72.5°	16.1	11.5	7.3	3.0	1.9	0.9	0.6	0.1	0.1	0.0	0.0
75°	10.7	8.0	5.1	2.2	1.4	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	7.9	6.3	3.9	1.5	0.9	0.4	0.1	0.0	0.0	0.0	0.0
80°	4.8	3.7	2.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	0.1	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°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	210.6	210.5	210.6	211.5	212.4	213.1	213.8	213.8	213.6	214.3	215.0
5°	206.6	206.8	206.6	206.5	206.4	206.2	206.0	205.7	205.4	205.2	204.9
7.5°	201.2	203.1	201.2	200.2	199.2	198.3	197.5	195.9	194.3	193.7	193.0
10°	195.0	196.4	195.0	194.2	193.4	192.3	191.3	189.5	187.6	187.1	186.7
12.5°	191.0	191.2	191.0	190.5	190.0	188.0	186.0	183.3	180.6	179.2	177.8
15°	185.2	186.0	185.2	184.1	183.0	180.7	178.4	175.6	172.9	172.2	171.4
17.5°	179.6	180.7	179.6	177.5	175.4	172.9	170.5	168.2	165.9	163.5	161.0
20°	169.4	168.8	169.4	168.5	167.5	164.5	161.6	158.6	155.6	154.6	153.6
22.5°	155.8	157.7	155.8	154.1	152.5	150.3	148.0	146.5	145.0	144.4	143.9
25°	138.9	139.8	138.9	138.0	137.0	136.2	135.4	134.6	133.7	133.6	133.5
27.5°	120.3	119.8	120.3	120.5	120.6	120.9	121.1	121.9	122.7	123.6	124.6
30°	101.0	100.4	101.0	102.3	103.8	105.6	107.5	109.3	111.0	113.7	116.4
32.5°	82.4	81.1	82.4	84.6	86.9	90.2	93.6	96.8	100.0	102.8	105.6
35°	64.9	64.0	64.9	67.4	69.9	74.4	78.8	83.6	88.4	93.1	97.8
37.5°	50.4	49.1	50.4	53.0	55.6	60.2	64.7	70.2	75.7	82.3	88.9
40°	38.3	37.2	38.3	40.5	42.8	47.2	51.5	57.4	63.4	70.6	77.7
42.5°	29.0	27.5	29.0	31.1	33.1	36.8	40.5	46.8	53.0	60.9	68.8
45°	22.9	22.3	22.9	24.5	26.0	29.6	33.1	38.5	43.9	51.3	58.8
47.5°	17.7	17.1	17.7	19.2	20.7	23.9	27.1	32.1	37.2	44.3	51.3
50°	14.0	13.4	14.0	15.5	17.0	20.0	23.1	27.5	32.0	38.5	45.0
52.5°	11.2	10.4	11.2	12.6	14.1	17.4	20.7	24.9	29.2	34.3	39.4
55°	8.0	7.4	8.0	9.6	11.2	14.6	18.0	21.9	25.7	30.3	35.0
57.5°	5.6	5.2	5.6	6.8	8.2	11.5	14.7	18.3	21.9	25.9	29.8
60°	2.6	2.2	2.6	3.9	5.2	8.1	11.0	14.1	17.3	21.1	24.9
62.5°	0.1	0.0	0.1	1.4	2.6	5.3	8.0	10.8	13.5	16.7	19.7
65°	0.0	0.0	0.0	0.4	0.9	2.8	4.6	7.1	9.7	13.0	16.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.9	4.0	6.1	9.0	11.9
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.3	2.2	4.5	6.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.9	1.9	3.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.4	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.9	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7
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°	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	214.4	213.8	214.5	215.1	215.6	215.9	215.6	215.4	215.7	216.4	216.7
5°	204.1	203.2	203.1	203.1	202.5	201.9	202.0	202.0	203.8	204.9	206.4
7.5°	192.6	192.1	191.9	191.8	191.8	191.8	192.9	194.3	194.5	195.3	196.5
10°	185.1	183.6	183.9	184.3	184.8	185.4	186.3	187.1	186.7	188.6	190.6
12.5°	177.0	176.3	177.0	177.8	178.4	179.1	180.2	181.3	182.2	183.7	186.0
15°	170.8	170.2	170.9	171.7	172.5	173.3	174.0	174.6	177.8	180.2	183.1
17.5°	161.6	162.2	163.5	164.8	166.2	167.7	169.4	171.2	172.9	175.7	179.6
20°	154.0	154.3	155.9	157.5	159.5	161.6	163.9	166.2	168.8	171.4	176.9
22.5°	144.6	145.2	147.4	149.7	152.1	154.6	156.5	158.6	162.9	166.6	174.9
25°	135.4	137.2	139.5	141.9	144.6	147.3	150.2	153.1	155.5	159.5	171.2
27.5°	127.0	129.4	132.1	134.8	137.6	140.4	143.1	145.9	148.4	153.4	169.4
30°	119.0	121.6	124.9	128.1	131.0	133.9	136.3	138.6	141.0	147.3	169.1
32.5°	110.2	114.9	118.1	121.2	123.8	126.4	129.1	131.8	136.1	142.8	170.2
35°	102.2	106.5	110.1	113.7	116.5	119.4	121.7	123.9	127.6	135.0	171.0
37.5°	93.6	98.2	102.6	107.0	110.0	113.1	114.8	116.6	119.0	127.2	171.7
40°	84.1	90.4	95.5	100.6	103.5	106.5	107.8	109.0	111.9	120.9	173.0
42.5°	76.0	83.3	88.2	93.1	96.0	98.8	100.3	102.0	103.4	117.4	175.2
45°	67.2	75.7	81.2	86.9	88.7	90.6	92.0	93.4	96.0	118.9	179.6
47.5°	60.2	69.0	75.0	80.9	81.4	82.0	82.9	83.8	91.1	125.9	186.0
50°	53.9	62.9	68.9	75.0	75.0	75.0	78.0	81.1	96.0	139.2	195.7
52.5°	48.2	56.9	62.2	67.5	67.7	67.8	76.8	85.6	112.3	153.4	201.7
55°	42.2	49.5	54.2	58.9	60.5	62.1	79.4	96.8	135.0	165.3	202.5
57.5°	35.9	42.0	46.0	50.0	54.4	58.9	82.4	105.8	143.9	160.5	196.0
60°	30.1	35.3	39.0	42.5	50.6	58.6	81.1	103.7	129.4	142.7	190.1
62.5°	24.8	29.9	33.6	37.3	48.6	59.9	76.2	92.6	102.6	122.9	169.3
65°	20.8	25.1	29.7	34.2	46.4	58.6	67.5	76.5	80.7	116.0	150.8
67.5°	16.1	20.2	25.2	30.1	38.4	46.7	53.2	59.7	67.3	98.3	113.4
70°	11.2	15.8	21.2	26.6	30.9	35.3	40.8	46.3	56.9	78.2	86.0
72.5°	7.3	11.5	16.1	20.7	23.4	26.0	30.9	35.9	46.9	56.7	60.7
75°	5.1	8.0	10.7	13.4	14.8	16.2	19.8	23.4	30.9	37.2	40.8
77.5°	3.9	6.3	7.9	9.5	10.0	10.4	12.5	14.5	19.3	21.0	24.1
80°	2.2	3.7	4.8	5.8	5.8	5.8	6.6	7.4	10.8	11.5	14.0
82.5°	0.7	1.5	1.9	2.2	2.2	2.2	2.7	3.1	4.5	5.4	7.1
85°	0.1	0.1	0.4	0.6	0.7	0.7	0.6	0.4	1.1	1.9	2.5
87.5°	0.0	0.0	0.1	0.1	0.1	0.1	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°	217.9	217.9	217.9	217.9	217.9	217.9	217.9
2.5°	217.0	217.3	217.8	218.7	219.6	220.2	219.4
5°	207.9	209.3	210.6	212.1	213.6	215.9	218.7
7.5°	197.9	199.7	201.6	203.8	206.0	208.7	211.6
10°	192.6	194.9	197.1	200.7	204.2	208.8	212.4
12.5°	188.2	191.8	195.5	202.5	209.6	219.2	228.0
15°	186.0	192.3	198.6	211.8	225.0	242.3	260.3
17.5°	183.6	194.3	205.1	229.2	253.3	286.4	325.8
20°	182.2	199.6	217.0	256.5	296.0	350.0	410.2
22.5°	183.3	211.7	240.1	300.4	360.6	436.6	509.5
25°	183.0	224.9	266.9	352.2	437.5	540.4	629.6
27.5°	185.4	247.7	310.0	422.9	535.9	657.5	752.0
30°	191.0	275.1	359.1	502.2	645.5	791.3	898.2
32.5°	197.5	305.9	414.3	591.0	767.8	938.2	1051.4
35°	206.9	345.0	482.9	692.1	901.4	1087.6	1191.2
37.5°	216.3	388.7	561.2	806.4	1051.6	1251.8	1347.4
40°	225.2	431.7	638.2	924.7	1211.3	1431.8	1512.5
42.5°	233.2	470.2	707.4	1039.6	1371.7	1623.4	1713.4
45°	240.3	503.0	765.8	1165.6	1565.6	1899.2	2076.4
47.5°	246.2	522.9	799.6	1306.8	1814.0	2310.3	2605.9
50°	252.2	531.8	811.4	1442.2	2073.0	2793.5	3307.7
52.5°	250.1	517.1	784.1	1500.3	2216.6	3140.0	3941.5
55°	239.7	482.8	726.0	1471.7	2217.5	3271.7	4345.3
57.5°	231.5	435.1	638.6	1325.5	2012.6	3105.8	4485.9
60°	237.6	360.9	484.2	1073.7	1663.2	2763.0	4205.5
62.5°	215.7	287.4	359.1	851.7	1344.2	2353.5	3742.5
65°	185.6	219.3	252.9	669.0	1085.1	1970.3	3200.3
67.5°	128.5	143.5	158.4	496.9	835.4	1584.0	2742.1
70°	93.7	102.5	111.2	368.8	626.3	1226.8	2262.7
72.5°	64.7	71.0	77.2	245.2	413.2	846.2	1724.5
75°	44.5	49.1	53.7	154.0	254.4	540.5	1201.6
77.5°	27.1	30.6	34.2	83.9	133.5	283.2	644.5
80°	16.4	18.7	21.2	33.5	46.0	85.9	189.7
82.5°	8.8	10.1	11.5	14.0	16.4	26.2	57.3
85°	3.1	3.7	4.3	4.6	5.1	6.4	12.6
87.5°	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

(END OF REPORT)