

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: P1208290

Luminaire Tested: UPW-SA1-060-730-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208290
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-SA1-060-730-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 4349 lumens
Efficiency: N/A
Efficacy: 73.7 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

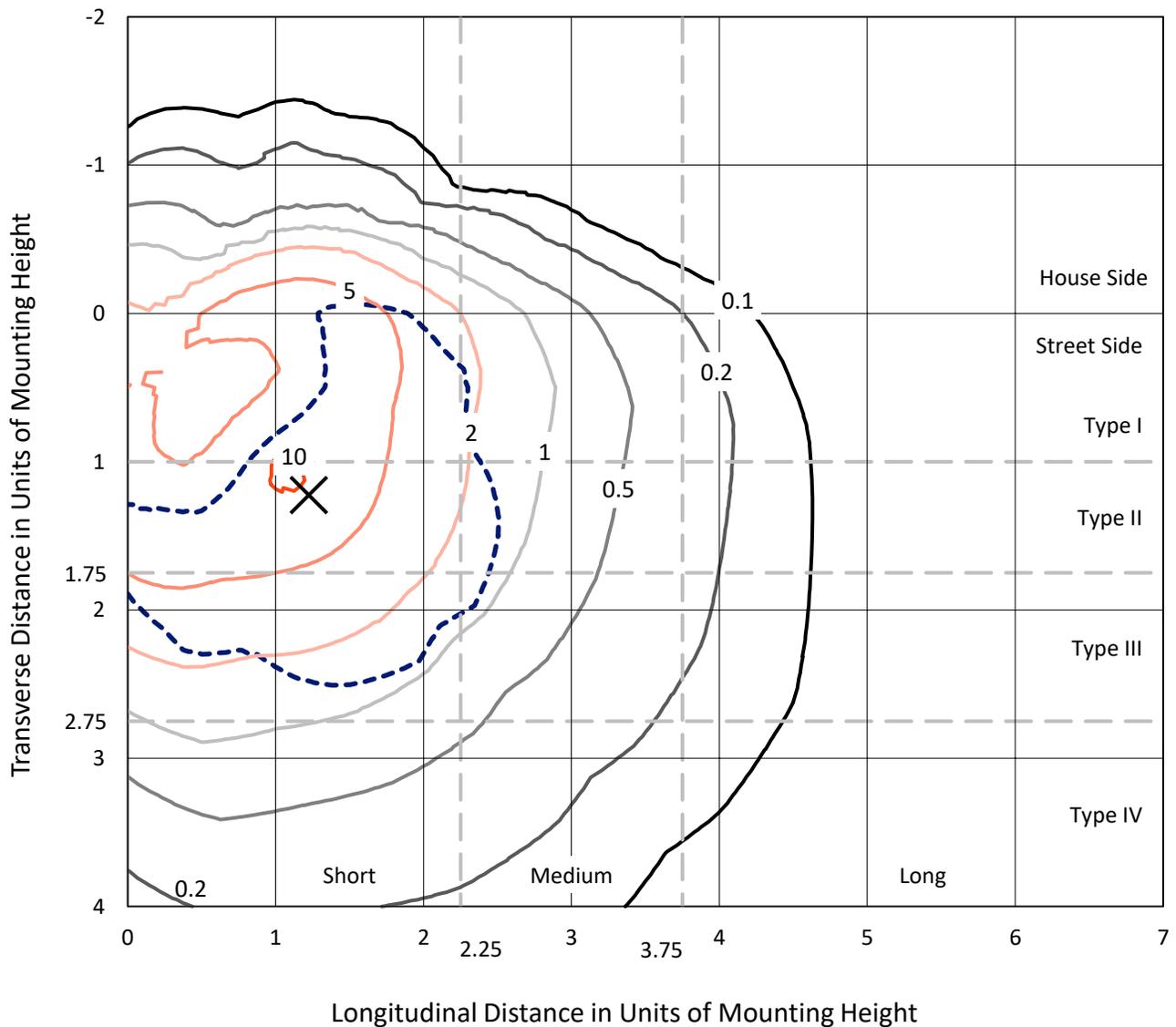
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

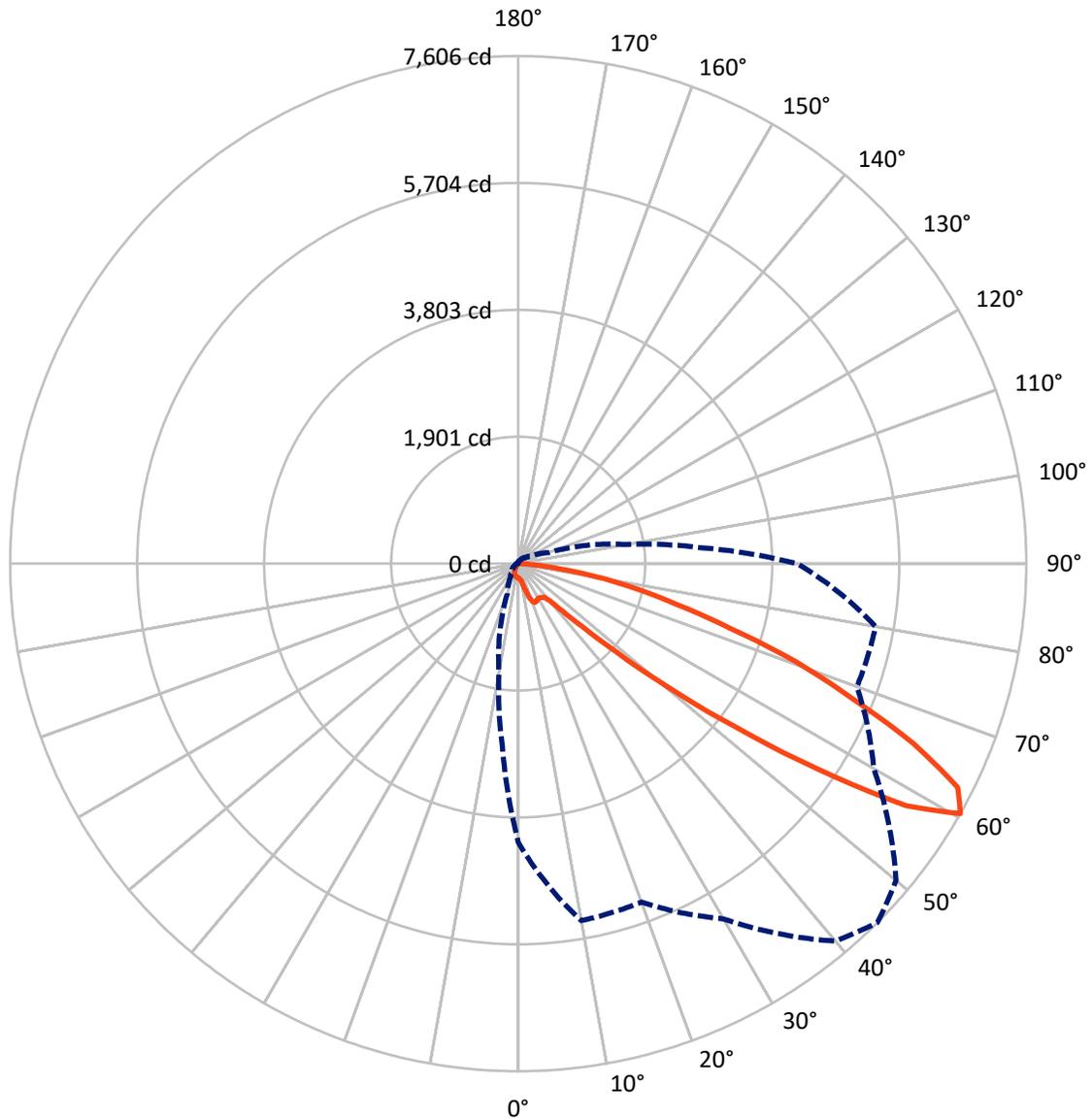
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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
House Side	Lumens	501.0	0.0	501.0
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3848.0	0.0	3848.0
	% Fixture	88.5	0.0	88.5
Total	Lumens	4349.0	0.0	4349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.5
10°-20°	67.1	1.5
20°-30°	144.9	3.3
30°-40°	244.2	5.6
40°-50°	493.1	11.3
50°-60°	1268.2	29.2
60°-70°	1378.8	31.7
70°-80°	649.5	14.9
80°-90°	83.4	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°	4349.0	100.0
0°-180°	4349.0	100.0



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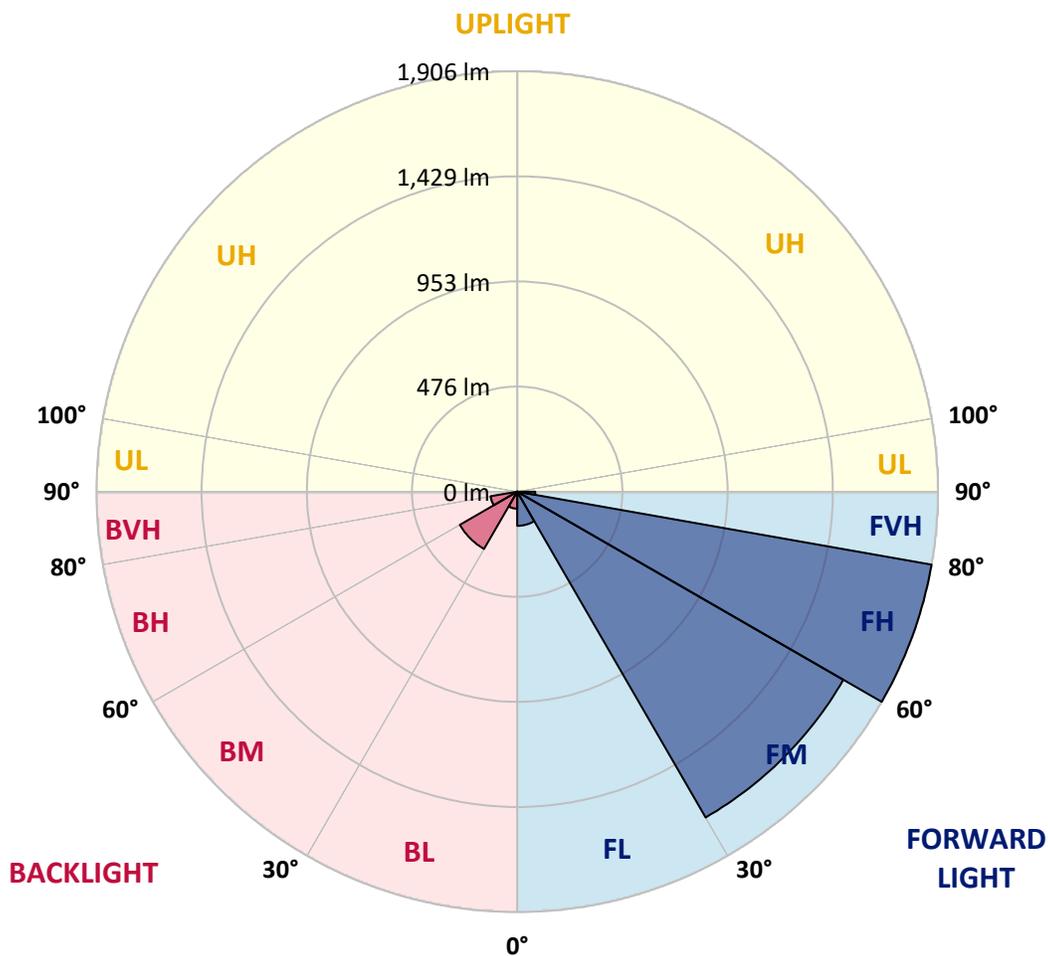
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.8	3.6			
FM	(30°-60°)	1705.5	39.2			
FH	(60°-80°)	1905.8	43.8			G2/5000
FVH	(80°-90°)	81.9	1.9			G1/100
BL	(0°-30°)	77.0	1.8	B0/110		
BM	(30°-60°)	299.9	6.9	B1/1000		
BH	(60°-80°)	122.6	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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	217.8	218.4	219.1	220.1	221.1	221.5	222.1	222.3	222.5	220.7	222.5
5°	217.0	218.9	220.7	222.9	225.2	226.3	227.5	228.1	228.7	230.3	228.7
7.5°	210.0	214.7	219.4	223.7	228.0	231.2	234.6	237.4	240.2	242.1	240.2
10°	210.8	219.3	228.0	236.3	244.7	251.1	257.6	262.0	266.3	268.7	266.3
12.5°	226.3	240.2	254.1	268.1	282.1	295.4	308.6	317.4	326.1	332.2	326.1
15°	258.4	284.6	310.8	335.3	359.9	380.3	400.8	411.7	422.6	423.7	422.6
17.5°	323.3	361.6	400.0	432.5	465.1	486.8	508.6	519.0	529.4	532.2	529.4
20°	407.1	455.3	503.5	534.2	564.9	579.5	594.1	599.6	605.0	601.6	605.0
22.5°	505.7	556.8	607.9	629.0	650.0	648.6	647.3	642.7	638.1	630.4	638.1
25°	624.9	667.3	709.8	705.4	700.9	682.9	665.0	649.8	634.6	627.5	634.6
27.5°	746.3	769.3	792.2	760.8	729.4	695.1	660.8	640.5	620.2	607.5	620.2
30°	891.4	876.6	861.6	805.7	749.7	706.3	662.9	638.8	614.8	600.2	614.8
32.5°	1043.5	991.0	938.6	858.8	779.0	728.5	678.0	650.2	622.3	604.6	622.3
35°	1182.2	1096.3	1010.5	909.3	808.2	753.9	699.7	667.5	635.5	621.6	635.5
37.5°	1337.3	1207.8	1078.4	955.7	833.1	773.8	714.6	685.1	655.6	640.8	655.6
40°	1501.2	1331.0	1160.8	1017.5	874.2	822.1	770.0	750.6	731.3	727.1	731.3
42.5°	1700.5	1491.5	1282.4	1129.2	975.9	951.3	926.6	933.2	939.7	966.3	939.7
45°	2060.7	1805.4	1550.1	1377.1	1204.0	1213.2	1222.3	1272.6	1322.9	1352.4	1322.9
47.5°	2586.3	2308.7	2031.0	1810.2	1589.4	1650.8	1712.3	1834.4	1956.6	1982.8	1956.6
50°	3282.8	2987.6	2692.4	2416.8	2141.2	2270.7	2400.3	2633.7	2867.1	2905.6	2867.1
52.5°	3911.8	3684.1	3456.4	3134.0	2811.5	3031.5	3251.4	3594.1	3936.7	4041.7	3936.7
55°	4312.6	4387.0	4461.4	4122.9	3784.4	4052.7	4320.9	4772.4	5223.9	5425.1	5223.9
57.5°	4452.1	4891.8	5331.5	5094.5	4857.4	5134.3	5411.1	5969.0	6527.0	6844.7	6527.0
60°	4173.8	4803.1	5432.3	5413.7	5395.2	5770.9	6146.5	6765.3	7384.0	7605.8	7384.0
62.5°	3714.3	4233.3	4752.2	4846.5	4940.8	5470.1	5999.3	6577.2	7155.0	7382.1	7155.0
65°	3176.2	3640.4	4104.6	4177.5	4250.5	4815.5	5380.7	5902.6	6424.5	6501.4	6424.5
67.5°	2721.4	3191.3	3661.2	3707.0	3752.9	4233.6	4714.4	5101.3	5488.3	5393.4	5488.3
70°	2245.6	2742.5	3239.4	3315.4	3391.3	3731.7	4072.0	4298.2	4524.3	4410.1	4524.3
72.5°	1711.5	2214.8	2718.1	2788.2	2858.4	3094.7	3331.0	3442.9	3554.6	3329.3	3554.6
75°	1192.6	1625.1	2057.5	2149.7	2241.8	2407.5	2573.3	2618.3	2663.3	2455.3	2663.3
77.5°	639.7	929.6	1219.5	1382.7	1546.0	1725.6	1905.3	1926.7	1948.1	1810.1	1948.1
80°	188.2	321.1	454.0	645.9	837.7	1053.6	1269.6	1280.0	1290.4	1187.8	1290.4
82.5°	56.8	114.5	172.2	305.6	439.1	596.0	753.0	738.2	723.4	619.4	723.4
85°	12.5	39.9	67.2	148.4	229.6	301.3	372.9	343.8	314.6	255.4	314.6
87.5°	1.8	11.0	20.1	52.9	85.6	103.3	121.1	98.8	76.6	69.4	76.6
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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	222.3	222.1	221.5	221.1	220.1	219.1	218.4	217.8	218.5	217.9	217.0
5°	228.1	227.5	226.3	225.2	222.9	220.7	218.9	217.0	214.2	212.0	210.5
7.5°	237.4	234.6	231.2	228.0	223.7	219.4	214.7	210.0	207.1	204.5	202.3
10°	262.0	257.6	251.1	244.7	236.3	228.0	219.3	210.8	207.2	202.6	199.2
12.5°	317.4	308.6	295.4	282.1	268.1	254.1	240.2	226.3	217.6	208.0	200.9
15°	411.7	400.8	380.3	359.9	335.3	310.8	284.6	258.4	240.5	223.3	210.2
17.5°	519.0	508.6	486.8	465.1	432.5	400.0	361.6	323.3	284.3	251.4	227.4
20°	599.6	594.1	579.5	564.9	534.2	503.5	455.3	407.1	347.4	293.8	254.6
22.5°	642.7	647.3	648.6	650.0	629.0	607.9	556.8	505.7	433.3	357.9	298.1
25°	649.8	665.0	682.9	700.9	705.4	709.8	667.3	624.9	536.3	434.2	349.5
27.5°	640.5	660.8	695.1	729.4	760.8	792.2	769.3	746.3	652.5	531.9	419.7
30°	638.8	662.9	706.3	749.7	805.7	861.6	876.6	891.4	785.4	640.6	498.4
32.5°	650.2	678.0	728.5	779.0	858.8	938.6	991.0	1043.5	931.1	762.0	586.6
35°	667.5	699.7	753.9	808.2	909.3	1010.5	1096.3	1182.2	1079.4	894.6	686.9
37.5°	685.1	714.6	773.8	833.1	955.7	1078.4	1207.8	1337.3	1242.3	1043.7	800.3
40°	750.6	770.0	822.1	874.2	1017.5	1160.8	1331.0	1501.2	1421.1	1202.2	917.7
42.5°	933.2	926.6	951.3	975.9	1129.2	1282.4	1491.5	1700.5	1611.2	1361.4	1031.7
45°	1272.6	1222.3	1213.2	1204.0	1377.1	1550.1	1805.4	2060.7	1884.9	1553.8	1156.8
47.5°	1834.4	1712.3	1650.8	1589.4	1810.2	2031.0	2308.7	2586.3	2292.9	1800.3	1297.0
50°	2633.7	2400.3	2270.7	2141.2	2416.8	2692.4	2987.6	3282.8	2772.5	2057.4	1431.3
52.5°	3594.1	3251.4	3031.5	2811.5	3134.0	3456.4	3684.1	3911.8	3116.4	2199.9	1489.0
55°	4772.4	4320.9	4052.7	3784.4	4122.9	4461.4	4387.0	4312.6	3247.0	2200.8	1460.6
57.5°	5969.0	5411.1	5134.3	4857.4	5094.5	5331.5	4891.8	4452.1	3082.4	1997.4	1315.6
60°	6765.3	6146.5	5770.9	5395.2	5413.7	5432.3	4803.1	4173.8	2742.2	1650.6	1065.6
62.5°	6577.2	5999.3	5470.1	4940.8	4846.5	4752.2	4233.3	3714.3	2335.8	1334.1	845.3
65°	5902.6	5380.7	4815.5	4250.5	4177.5	4104.6	3640.4	3176.2	1955.4	1076.9	663.9
67.5°	5101.3	4714.4	4233.6	3752.9	3707.0	3661.2	3191.3	2721.4	1572.1	829.2	493.2
70°	4298.2	4072.0	3731.7	3391.3	3315.4	3239.4	2742.5	2245.6	1217.5	621.6	366.0
72.5°	3442.9	3331.0	3094.7	2858.4	2788.2	2718.1	2214.8	1711.5	839.9	410.1	243.3
75°	2618.3	2573.3	2407.5	2241.8	2149.7	2057.5	1625.1	1192.6	536.4	252.5	152.9
77.5°	1926.7	1905.3	1725.6	1546.0	1382.7	1219.5	929.6	639.7	281.0	132.5	83.3
80°	1280.0	1269.6	1053.6	837.7	645.9	454.0	321.1	188.2	85.3	45.6	33.3
82.5°	738.2	753.0	596.0	439.1	305.6	172.2	114.5	56.8	26.0	16.2	13.9
85°	343.8	372.9	301.3	229.6	148.4	67.2	39.9	12.5	6.3	5.0	4.6
87.5°	98.8	121.1	103.3	85.6	52.9	20.1	11.0	1.8	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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	216.1	215.7	215.4	215.1	214.8	214.1	213.8	214.0	214.2	213.9	213.5
5°	209.1	207.7	206.3	204.9	203.4	202.3	200.5	200.5	200.4	200.9	201.5
7.5°	200.1	198.2	196.4	195.0	193.8	193.0	192.8	191.5	190.3	190.3	190.3
10°	195.6	193.4	191.2	189.1	187.1	185.3	185.7	184.8	184.0	183.4	182.9
12.5°	194.0	190.4	186.8	184.6	182.3	180.9	180.0	178.9	177.8	177.1	176.4
15°	197.1	190.8	184.6	181.7	178.8	176.4	173.3	172.7	172.0	171.2	170.4
17.5°	203.6	192.8	182.2	178.3	174.4	171.6	169.9	168.2	166.5	165.0	163.5
20°	215.4	198.1	180.9	175.5	170.2	167.6	164.9	162.6	160.3	158.3	156.4
22.5°	238.3	210.1	182.0	173.6	165.4	161.7	157.4	155.3	153.4	151.0	148.5
25°	264.9	223.2	181.6	169.9	158.3	154.3	151.9	149.0	146.2	143.5	140.9
27.5°	307.7	245.8	184.0	168.2	152.2	147.3	144.8	142.0	139.4	136.6	133.8
30°	356.4	273.0	189.6	167.9	146.2	139.9	137.6	135.2	132.9	130.0	127.1
32.5°	411.2	303.6	196.0	168.9	141.7	135.1	130.8	128.2	125.5	122.9	120.3
35°	479.2	342.4	205.4	169.7	134.0	126.6	123.0	120.8	118.5	115.6	112.8
37.5°	557.0	385.8	214.7	170.5	126.2	118.1	115.8	114.0	112.2	109.2	106.2
40°	633.4	428.5	223.5	171.7	120.0	111.1	108.2	107.0	105.7	102.8	99.8
42.5°	702.0	466.7	231.4	173.9	116.5	102.6	101.2	99.6	98.0	95.2	92.4
45°	760.0	499.2	238.4	178.2	118.0	95.2	92.7	91.3	89.9	88.0	86.2
47.5°	793.6	519.0	244.3	184.6	124.9	90.4	83.1	82.2	81.4	80.8	80.3
50°	805.2	527.7	250.3	194.2	138.2	95.2	80.5	77.4	74.4	74.4	74.4
52.5°	778.2	513.2	248.2	200.2	152.2	111.5	85.0	76.2	67.3	67.2	67.0
55°	720.5	479.2	237.9	200.9	164.0	134.0	96.0	78.8	61.6	60.1	58.5
57.5°	633.8	431.8	229.7	194.5	159.3	142.8	105.0	81.8	58.5	54.0	49.6
60°	480.6	358.2	235.9	188.7	141.6	128.4	102.9	80.5	58.2	50.2	42.2
62.5°	356.4	285.2	214.1	168.0	122.0	101.9	91.9	75.7	59.4	48.3	37.1
65°	251.0	217.6	184.2	149.7	115.2	80.1	75.9	67.0	58.2	46.1	34.0
67.5°	157.2	142.4	127.6	112.6	97.6	66.8	59.2	52.8	46.4	38.1	29.9
70°	110.4	101.7	93.0	85.3	77.7	56.5	45.9	40.5	35.1	30.7	26.4
72.5°	76.6	70.4	64.2	60.2	56.3	46.5	35.6	30.7	25.8	23.2	20.5
75°	53.3	48.7	44.1	40.5	36.9	30.6	23.2	19.6	16.1	14.7	13.3
77.5°	34.0	30.4	26.9	23.9	20.8	19.2	14.4	12.4	10.3	9.9	9.4
80°	21.0	18.6	16.2	13.9	11.4	10.7	7.4	6.6	5.8	5.8	5.8
82.5°	11.4	10.0	8.7	7.0	5.3	4.4	3.1	2.7	2.2	2.2	2.2
85°	4.3	3.7	3.1	2.5	1.8	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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	212.9	212.2	212.8	213.3	212.7	212.0	212.2	212.2	211.5	210.8	209.9
5°	201.6	201.7	202.6	203.4	203.7	203.9	204.2	204.5	204.6	204.9	204.9
7.5°	190.5	190.6	191.1	191.6	192.2	192.8	194.4	196.0	196.8	197.7	198.7
10°	182.5	182.2	183.7	185.3	185.7	186.2	188.1	189.9	190.9	191.9	192.7
12.5°	175.7	175.0	175.7	176.4	177.8	179.2	181.9	184.6	186.6	188.6	189.1
15°	169.6	168.9	169.5	170.2	170.9	171.6	174.3	177.0	179.3	181.6	182.7
17.5°	162.3	160.9	160.3	159.8	162.3	164.6	166.9	169.2	171.6	174.1	176.1
20°	154.7	153.2	152.8	152.4	153.5	154.4	157.4	160.3	163.3	166.2	167.2
22.5°	146.3	144.1	143.5	142.8	143.4	144.0	145.4	146.9	149.1	151.3	153.0
25°	138.5	136.2	134.4	132.5	132.6	132.7	133.5	134.4	135.2	136.0	136.9
27.5°	131.1	128.4	126.1	123.7	122.7	121.8	121.0	120.2	120.0	119.7	119.6
30°	123.9	120.7	118.1	115.5	112.9	110.1	108.4	106.7	104.8	103.0	101.6
32.5°	117.2	114.1	109.4	104.8	102.0	99.3	96.0	92.9	89.5	86.2	84.0
35°	109.3	105.7	101.4	97.1	92.4	87.7	83.0	78.3	73.8	69.4	66.9
37.5°	101.8	97.4	92.9	88.2	81.6	75.1	69.7	64.2	59.7	55.2	52.6
40°	94.8	89.7	83.4	77.1	70.1	62.9	57.0	51.1	46.8	42.4	40.2
42.5°	87.6	82.7	75.4	68.3	60.5	52.6	46.4	40.2	36.5	32.9	30.9
45°	80.6	75.1	66.7	58.3	50.9	43.6	38.2	32.9	29.4	25.8	24.3
47.5°	74.4	68.5	59.7	50.9	43.9	36.9	31.9	26.9	23.7	20.5	19.0
50°	68.4	62.4	53.5	44.7	38.2	31.7	27.3	22.9	19.9	16.8	15.4
52.5°	61.7	56.5	47.8	39.1	34.0	28.9	24.7	20.5	17.3	14.0	12.5
55°	53.8	49.1	41.9	34.7	30.1	25.5	21.7	17.9	14.5	11.1	9.5
57.5°	45.7	41.7	35.6	29.5	25.7	21.8	18.2	14.6	11.4	8.1	6.8
60°	38.7	35.1	29.9	24.7	21.0	17.1	14.0	10.9	8.0	5.2	3.8
62.5°	33.4	29.7	24.7	19.6	16.5	13.4	10.7	8.0	5.2	2.6	1.4
65°	29.5	25.0	20.6	16.2	12.9	9.6	7.1	4.6	2.8	0.9	0.4
67.5°	25.0	20.1	15.9	11.8	8.9	6.1	4.0	1.8	0.9	0.0	0.0
70°	21.0	15.7	11.1	6.6	4.4	2.2	1.3	0.4	0.1	0.0	0.0
72.5°	15.9	11.4	7.2	3.0	1.9	0.9	0.6	0.1	0.1	0.0	0.0
75°	10.6	8.0	5.1	2.2	1.4	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	7.8	6.3	3.8	1.5	0.9	0.4	0.1	0.0	0.0	0.0	0.0
80°	4.7	3.7	2.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	209.1	208.9	209.1	209.9	210.8	211.5	212.2	212.2	212.0	212.7	213.3
5°	205.1	205.2	205.1	204.9	204.9	204.6	204.5	204.2	203.9	203.7	203.4
7.5°	199.7	201.5	199.7	198.7	197.7	196.8	196.0	194.4	192.8	192.2	191.6
10°	193.6	194.9	193.6	192.7	191.9	190.9	189.9	188.1	186.2	185.7	185.3
12.5°	189.6	189.7	189.6	189.1	188.6	186.6	184.6	181.9	179.2	177.8	176.4
15°	183.8	184.6	183.8	182.7	181.6	179.3	177.0	174.3	171.6	170.9	170.2
17.5°	178.3	179.4	178.3	176.1	174.1	171.6	169.2	166.9	164.6	162.3	159.8
20°	168.2	167.6	168.2	167.2	166.2	163.3	160.3	157.4	154.4	153.5	152.4
22.5°	154.7	156.5	154.7	153.0	151.3	149.1	146.9	145.4	144.0	143.4	142.8
25°	137.9	138.8	137.9	136.9	136.0	135.2	134.4	133.5	132.7	132.6	132.5
27.5°	119.4	118.9	119.4	119.6	119.7	120.0	120.2	121.0	121.8	122.7	123.7
30°	100.2	99.7	100.2	101.6	103.0	104.8	106.7	108.4	110.1	112.9	115.5
32.5°	81.8	80.5	81.8	84.0	86.2	89.5	92.9	96.0	99.3	102.0	104.8
35°	64.4	63.5	64.4	66.9	69.4	73.8	78.3	83.0	87.7	92.4	97.1
37.5°	50.1	48.7	50.1	52.6	55.2	59.7	64.2	69.7	75.1	81.6	88.2
40°	38.0	36.9	38.0	40.2	42.4	46.8	51.1	57.0	62.9	70.1	77.1
42.5°	28.8	27.3	28.8	30.9	32.9	36.5	40.2	46.4	52.6	60.5	68.3
45°	22.7	22.1	22.7	24.3	25.8	29.4	32.9	38.2	43.6	50.9	58.3
47.5°	17.6	17.0	17.6	19.0	20.5	23.7	26.9	31.9	36.9	43.9	50.9
50°	13.9	13.3	13.9	15.4	16.8	19.9	22.9	27.3	31.7	38.2	44.7
52.5°	11.1	10.3	11.1	12.5	14.0	17.3	20.5	24.7	28.9	34.0	39.1
55°	8.0	7.4	8.0	9.5	11.1	14.5	17.9	21.7	25.5	30.1	34.7
57.5°	5.5	5.2	5.5	6.8	8.1	11.4	14.6	18.2	21.8	25.7	29.5
60°	2.6	2.2	2.6	3.8	5.2	8.0	10.9	14.0	17.1	21.0	24.7
62.5°	0.1	0.0	0.1	1.4	2.6	5.2	8.0	10.7	13.4	16.5	19.6
65°	0.0	0.0	0.0	0.4	0.9	2.8	4.6	7.1	9.6	12.9	16.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	4.0	6.1	8.9	11.8
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.3	2.2	4.4	6.6
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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	212.8	212.2	212.9	213.5	213.9	214.2	214.0	213.8	214.1	214.8	215.1
5°	202.6	201.7	201.6	201.5	200.9	200.4	200.5	200.5	202.3	203.4	204.9
7.5°	191.1	190.6	190.5	190.3	190.3	190.3	191.5	192.8	193.0	193.8	195.0
10°	183.7	182.2	182.5	182.9	183.4	184.0	184.8	185.7	185.3	187.1	189.1
12.5°	175.7	175.0	175.7	176.4	177.1	177.8	178.9	180.0	180.9	182.3	184.6
15°	169.5	168.9	169.6	170.4	171.2	172.0	172.7	173.3	176.4	178.8	181.7
17.5°	160.3	160.9	162.3	163.5	165.0	166.5	168.2	169.9	171.6	174.4	178.3
20°	152.8	153.2	154.7	156.4	158.3	160.3	162.6	164.9	167.6	170.2	175.5
22.5°	143.5	144.1	146.3	148.5	151.0	153.4	155.3	157.4	161.7	165.4	173.6
25°	134.4	136.2	138.5	140.9	143.5	146.2	149.0	151.9	154.3	158.3	169.9
27.5°	126.1	128.4	131.1	133.8	136.6	139.4	142.0	144.8	147.3	152.2	168.2
30°	118.1	120.7	123.9	127.1	130.0	132.9	135.2	137.6	139.9	146.2	167.9
32.5°	109.4	114.1	117.2	120.3	122.9	125.5	128.2	130.8	135.1	141.7	168.9
35°	101.4	105.7	109.3	112.8	115.6	118.5	120.8	123.0	126.6	134.0	169.7
37.5°	92.9	97.4	101.8	106.2	109.2	112.2	114.0	115.8	118.1	126.2	170.5
40°	83.4	89.7	94.8	99.8	102.8	105.7	107.0	108.2	111.1	120.0	171.7
42.5°	75.4	82.7	87.6	92.4	95.2	98.0	99.6	101.2	102.6	116.5	173.9
45°	66.7	75.1	80.6	86.2	88.0	89.9	91.3	92.7	95.2	118.0	178.2
47.5°	59.7	68.5	74.4	80.3	80.8	81.4	82.2	83.1	90.4	124.9	184.6
50°	53.5	62.4	68.4	74.4	74.4	74.4	77.4	80.5	95.2	138.2	194.2
52.5°	47.8	56.5	61.7	67.0	67.2	67.3	76.2	85.0	111.5	152.2	200.2
55°	41.9	49.1	53.8	58.5	60.1	61.6	78.8	96.0	134.0	164.0	200.9
57.5°	35.6	41.7	45.7	49.6	54.0	58.5	81.8	105.0	142.8	159.3	194.5
60°	29.9	35.1	38.7	42.2	50.2	58.2	80.5	102.9	128.4	141.6	188.7
62.5°	24.7	29.7	33.4	37.1	48.3	59.4	75.7	91.9	101.9	122.0	168.0
65°	20.6	25.0	29.5	34.0	46.1	58.2	67.0	75.9	80.1	115.2	149.7
67.5°	15.9	20.1	25.0	29.9	38.1	46.4	52.8	59.2	66.8	97.6	112.6
70°	11.1	15.7	21.0	26.4	30.7	35.1	40.5	45.9	56.5	77.7	85.3
72.5°	7.2	11.4	15.9	20.5	23.2	25.8	30.7	35.6	46.5	56.3	60.2
75°	5.1	8.0	10.6	13.3	14.7	16.1	19.6	23.2	30.6	36.9	40.5
77.5°	3.8	6.3	7.8	9.4	9.9	10.3	12.4	14.4	19.2	20.8	23.9
80°	2.2	3.7	4.7	5.8	5.8	5.8	6.6	7.4	10.7	11.4	13.9
82.5°	0.7	1.5	1.8	2.2	2.2	2.2	2.7	3.1	4.4	5.3	7.0
85°	0.1	0.1	0.4	0.6	0.7	0.7	0.6	0.4	1.1	1.8	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°	216.3	216.3	216.3	216.3	216.3	216.3	216.3
2.5°	215.4	215.7	216.1	217.0	217.9	218.5	217.8
5°	206.3	207.7	209.1	210.5	212.0	214.2	217.0
7.5°	196.4	198.2	200.1	202.3	204.5	207.1	210.0
10°	191.2	193.4	195.6	199.2	202.6	207.2	210.8
12.5°	186.8	190.4	194.0	200.9	208.0	217.6	226.3
15°	184.6	190.8	197.1	210.2	223.3	240.5	258.4
17.5°	182.2	192.8	203.6	227.4	251.4	284.3	323.3
20°	180.9	198.1	215.4	254.6	293.8	347.4	407.1
22.5°	182.0	210.1	238.3	298.1	357.9	433.3	505.7
25°	181.6	223.2	264.9	349.5	434.2	536.3	624.9
27.5°	184.0	245.8	307.7	419.7	531.9	652.5	746.3
30°	189.6	273.0	356.4	498.4	640.6	785.4	891.4
32.5°	196.0	303.6	411.2	586.6	762.0	931.1	1043.5
35°	205.4	342.4	479.2	686.9	894.6	1079.4	1182.2
37.5°	214.7	385.8	557.0	800.3	1043.7	1242.3	1337.3
40°	223.5	428.5	633.4	917.7	1202.2	1421.1	1501.2
42.5°	231.4	466.7	702.0	1031.7	1361.4	1611.2	1700.5
45°	238.4	499.2	760.0	1156.8	1553.8	1884.9	2060.7
47.5°	244.3	519.0	793.6	1297.0	1800.3	2292.9	2586.3
50°	250.3	527.7	805.2	1431.3	2057.4	2772.5	3282.8
52.5°	248.2	513.2	778.2	1489.0	2199.9	3116.4	3911.8
55°	237.9	479.2	720.5	1460.6	2200.8	3247.0	4312.6
57.5°	229.7	431.8	633.8	1315.6	1997.4	3082.4	4452.1
60°	235.9	358.2	480.6	1065.6	1650.6	2742.2	4173.8
62.5°	214.1	285.2	356.4	845.3	1334.1	2335.8	3714.3
65°	184.2	217.6	251.0	663.9	1076.9	1955.4	3176.2
67.5°	127.6	142.4	157.2	493.2	829.2	1572.1	2721.4
70°	93.0	101.7	110.4	366.0	621.6	1217.5	2245.6
72.5°	64.2	70.4	76.6	243.3	410.1	839.9	1711.5
75°	44.1	48.7	53.3	152.9	252.5	536.4	1192.6
77.5°	26.9	30.4	34.0	83.3	132.5	281.0	639.7
80°	16.2	18.6	21.0	33.3	45.6	85.3	188.2
82.5°	8.7	10.0	11.4	13.9	16.2	26.0	56.8
85°	3.1	3.7	4.3	4.6	5.0	6.3	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)