

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: P1208344

Luminaire Tested: UPW-SA1-060-740-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-740-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 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: 4776 lumens
Efficiency: N/A
Efficacy: 80.9 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

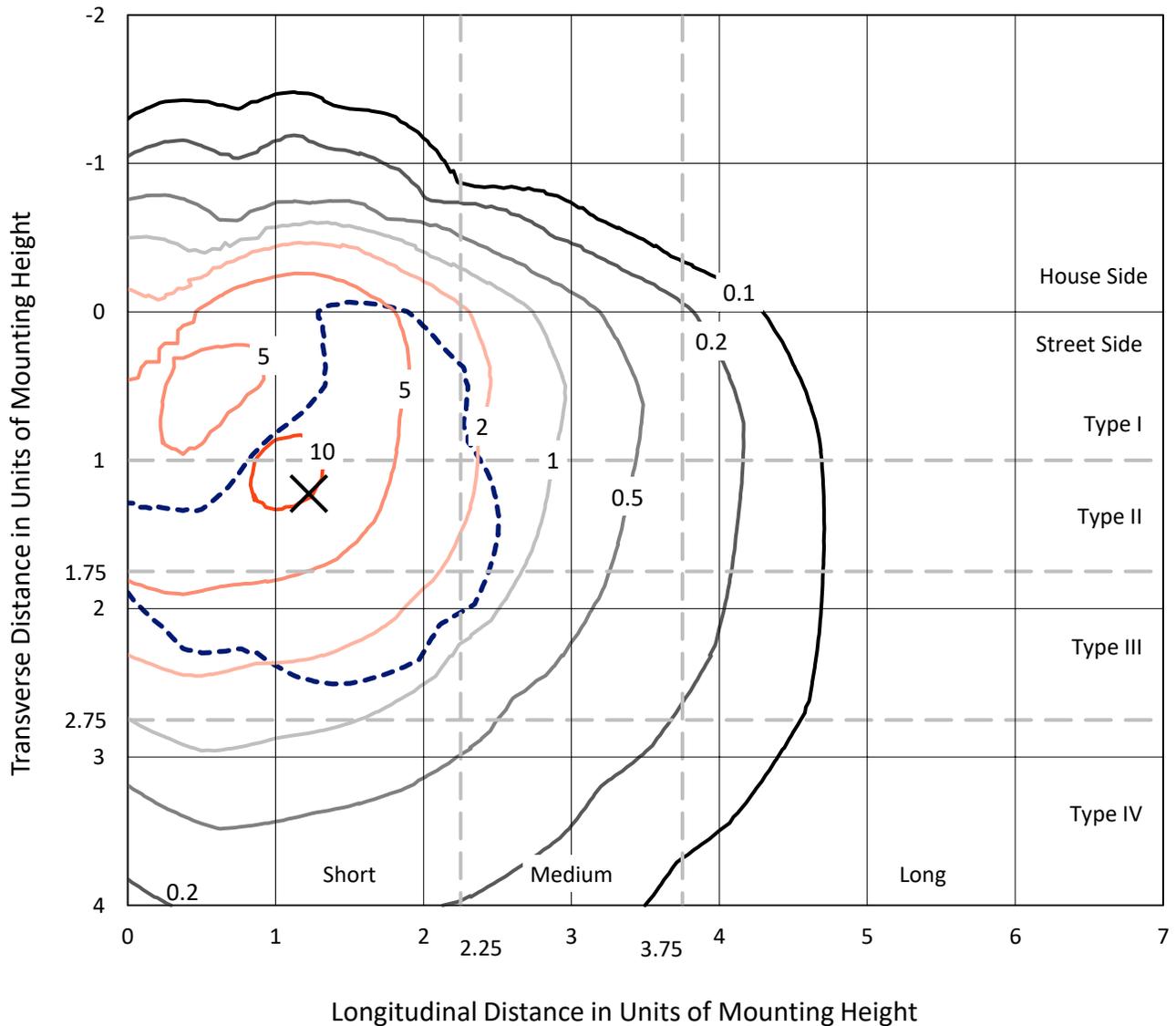
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

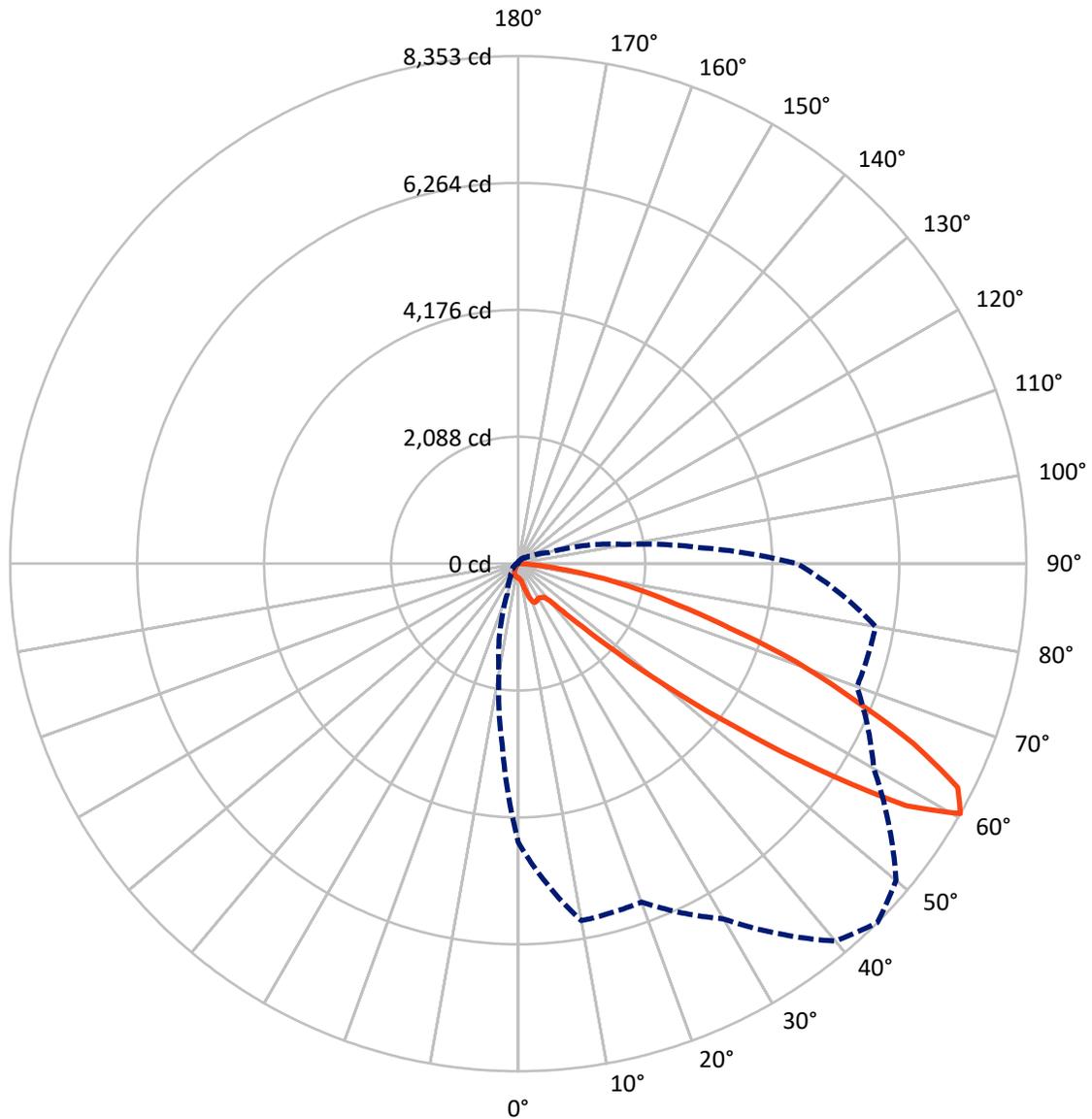
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	550.2	0.0	550.2
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	4225.8	0.0	4225.8
	% Fixture	88.5	0.0	88.5
Total	Lumens	4776.0	0.0	4776.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.5
10°-20°	73.7	1.5
20°-30°	159.2	3.3
30°-40°	268.1	5.6
40°-50°	541.5	11.3
50°-60°	1392.7	29.2
60°-70°	1514.2	31.7
70°-80°	713.3	14.9
80°-90°	91.6	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°	4776.0	100.0
0°-180°	4776.0	100.0



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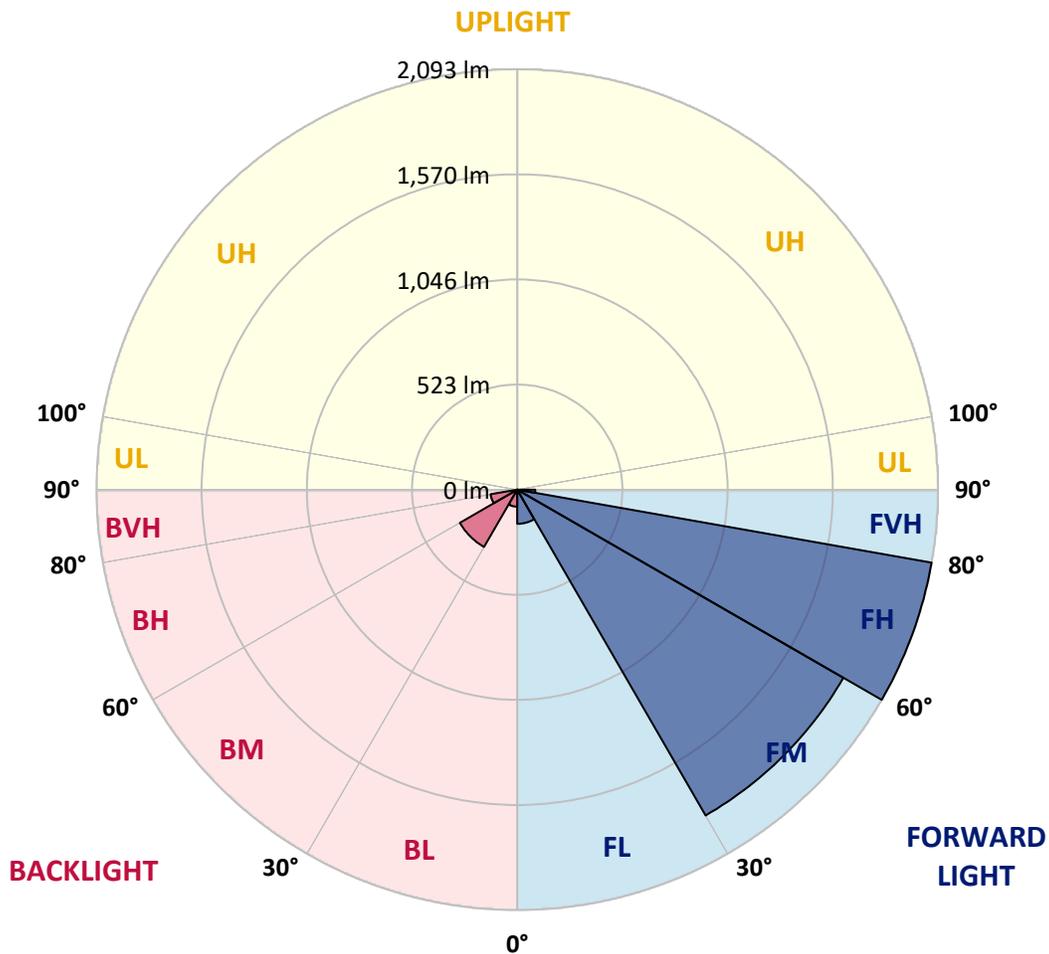
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.0	3.6			
FM	(30°-60°)	1873.0	39.2			
FH	(60°-80°)	2092.9	43.8			G2/5000
FVH	(80°-90°)	90.0	1.9			G1/100
BL	(0°-30°)	84.6	1.8	B0/110		
BM	(30°-60°)	329.4	6.9	B1/1000		
BH	(60°-80°)	134.6	2.8	B1/500		G1/500
BVH	(80°-90°)	1.6	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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	239.2	239.9	240.6	241.7	242.8	243.3	243.9	244.1	244.3	242.4	244.3
5°	238.3	240.4	242.4	244.8	247.3	248.6	249.9	250.5	251.2	252.9	251.2
7.5°	230.6	235.8	240.9	245.6	250.3	253.9	257.6	260.7	263.8	265.9	263.8
10°	231.5	240.9	250.3	259.5	268.7	275.8	282.9	287.7	292.5	295.1	292.5
12.5°	248.5	263.8	279.0	294.4	309.8	324.4	338.9	348.5	358.2	364.8	358.2
15°	283.7	312.5	341.3	368.2	395.2	417.7	440.2	452.1	464.0	465.3	464.0
17.5°	355.1	397.2	439.2	475.0	510.7	534.7	558.6	570.0	581.4	584.5	581.4
20°	447.1	500.0	552.9	586.6	620.3	636.4	652.4	658.4	664.4	660.7	664.4
22.5°	555.3	611.4	667.6	690.7	713.8	712.3	710.8	705.8	700.8	692.3	700.8
25°	686.2	732.9	779.5	774.6	769.8	750.0	730.3	713.6	696.9	689.1	696.9
27.5°	819.6	844.8	870.0	835.5	801.0	763.3	725.7	703.4	681.1	667.2	681.1
30°	978.9	962.6	946.2	884.8	823.3	775.7	728.0	701.6	675.1	659.1	675.1
32.5°	1145.9	1088.4	1030.8	943.2	855.4	800.1	744.6	714.1	683.4	664.0	683.4
35°	1298.3	1204.0	1109.7	998.6	887.5	827.9	768.4	733.0	697.8	682.6	697.8
37.5°	1468.6	1326.4	1184.3	1049.5	914.9	849.8	784.7	752.3	720.0	703.7	720.0
40°	1648.5	1461.7	1274.8	1117.5	960.0	902.8	845.6	824.3	803.1	798.5	803.1
42.5°	1867.4	1637.9	1408.3	1240.0	1071.7	1044.7	1017.6	1024.8	1031.9	1061.2	1031.9
45°	2263.0	1982.6	1702.3	1512.3	1322.2	1332.3	1342.3	1397.5	1452.8	1485.2	1452.8
47.5°	2840.3	2535.4	2230.4	1987.9	1745.4	1812.9	1880.4	2014.5	2148.7	2177.5	2148.7
50°	3605.1	3280.9	2956.8	2654.1	2351.4	2493.7	2636.0	2892.3	3148.6	3190.9	3148.6
52.5°	4295.8	4045.8	3795.8	3441.7	3087.5	3329.1	3570.7	3946.9	4323.3	4438.5	4323.3
55°	4736.1	4817.8	4899.4	4527.7	4156.0	4450.6	4745.1	5241.0	5736.8	5957.8	5736.8
57.5°	4889.3	5372.1	5855.0	5594.7	5334.3	5638.4	5942.4	6555.1	7167.8	7516.7	7167.8
60°	4583.6	5274.7	5965.7	5945.3	5924.9	6337.5	6750.0	7429.5	8109.0	8352.5	8109.0
62.5°	4079.0	4648.9	5218.8	5322.3	5426.0	6007.1	6588.3	7222.9	7857.5	8106.9	7857.5
65°	3488.0	3997.8	4507.6	4587.7	4667.8	5288.3	5909.0	6482.1	7055.3	7139.8	7055.3
67.5°	2988.6	3504.6	4020.6	4071.0	4121.4	4649.3	5177.2	5602.2	6027.2	5922.9	6027.2
70°	2466.1	3011.8	3557.5	3640.9	3724.3	4098.0	4471.8	4720.2	4968.6	4843.1	4968.6
72.5°	1879.6	2432.2	2985.0	3062.0	3139.0	3398.5	3658.0	3780.9	3903.6	3656.2	3903.6
75°	1309.7	1784.7	2259.6	2360.7	2461.9	2643.8	2825.9	2875.4	2924.8	2696.4	2924.8
77.5°	702.5	1020.8	1339.3	1518.5	1697.7	1895.1	2092.4	2115.9	2139.4	1987.8	2139.4
80°	206.7	352.7	498.6	709.3	920.0	1157.0	1394.2	1405.7	1417.1	1304.4	1417.1
82.5°	62.4	125.7	189.1	335.6	482.2	654.6	826.9	810.7	794.4	680.2	794.4
85°	13.8	43.8	73.8	162.9	252.1	330.8	409.6	377.5	345.5	280.5	345.5
87.5°	2.0	12.1	22.1	58.0	94.0	113.5	133.0	108.6	84.1	76.2	84.1
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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	244.1	243.9	243.3	242.8	241.7	240.6	239.9	239.2	240.0	239.3	238.3
5°	250.5	249.9	248.6	247.3	244.8	242.4	240.4	238.3	235.3	232.8	231.2
7.5°	260.7	257.6	253.9	250.3	245.6	240.9	235.8	230.6	227.5	224.6	222.1
10°	287.7	282.9	275.8	268.7	259.5	250.3	240.9	231.5	227.6	222.5	218.7
12.5°	348.5	338.9	324.4	309.8	294.4	279.0	263.8	248.5	238.9	228.5	220.7
15°	452.1	440.2	417.7	395.2	368.2	341.3	312.5	283.7	264.1	245.2	230.9
17.5°	570.0	558.6	534.7	510.7	475.0	439.2	397.2	355.1	312.2	276.0	249.8
20°	658.4	652.4	636.4	620.3	586.6	552.9	500.0	447.1	381.5	322.7	279.6
22.5°	705.8	710.8	712.3	713.8	690.7	667.6	611.4	555.3	475.9	393.0	327.4
25°	713.6	730.3	750.0	769.8	774.6	779.5	732.9	686.2	589.0	476.8	383.9
27.5°	703.4	725.7	763.3	801.0	835.5	870.0	844.8	819.6	716.6	584.1	461.0
30°	701.6	728.0	775.7	823.3	884.8	946.2	962.6	978.9	862.5	703.5	547.4
32.5°	714.1	744.6	800.1	855.4	943.2	1030.8	1088.4	1145.9	1022.5	836.8	644.2
35°	733.0	768.4	827.9	887.5	998.6	1109.7	1204.0	1298.3	1185.4	982.4	754.3
37.5°	752.3	784.7	849.8	914.9	1049.5	1184.3	1326.4	1468.6	1364.3	1146.2	878.9
40°	824.3	845.6	902.8	960.0	1117.5	1274.8	1461.7	1648.5	1560.6	1320.2	1007.9
42.5°	1024.8	1017.6	1044.7	1071.7	1240.0	1408.3	1637.9	1867.4	1769.4	1495.1	1133.0
45°	1397.5	1342.3	1332.3	1322.2	1512.3	1702.3	1982.6	2263.0	2070.0	1706.3	1270.4
47.5°	2014.5	1880.4	1812.9	1745.4	1987.9	2230.4	2535.4	2840.3	2518.0	1977.1	1424.3
50°	2892.3	2636.0	2493.7	2351.4	2654.1	2956.8	3280.9	3605.1	3044.7	2259.4	1571.8
52.5°	3946.9	3570.7	3329.1	3087.5	3441.7	3795.8	4045.8	4295.8	3422.3	2415.9	1635.2
55°	5241.0	4745.1	4450.6	4156.0	4527.7	4899.4	4817.8	4736.1	3565.8	2416.8	1604.0
57.5°	6555.1	5942.4	5638.4	5334.3	5594.7	5855.0	5372.1	4889.3	3385.0	2193.6	1444.7
60°	7429.5	6750.0	6337.5	5924.9	5945.3	5965.7	5274.7	4583.6	3011.5	1812.7	1170.2
62.5°	7222.9	6588.3	6007.1	5426.0	5322.3	5218.8	4648.9	4079.0	2565.1	1465.1	928.2
65°	6482.1	5909.0	5288.3	4667.8	4587.7	4507.6	3997.8	3488.0	2147.4	1182.6	729.1
67.5°	5602.2	5177.2	4649.3	4121.4	4071.0	4020.6	3504.6	2988.6	1726.4	910.6	541.6
70°	4720.2	4471.8	4098.0	3724.3	3640.9	3557.5	3011.8	2466.1	1337.1	682.6	401.9
72.5°	3780.9	3658.0	3398.5	3139.0	3062.0	2985.0	2432.2	1879.6	922.3	450.3	267.2
75°	2875.4	2825.9	2643.8	2461.9	2360.7	2259.6	1784.7	1309.7	589.0	277.3	167.9
77.5°	2115.9	2092.4	1895.1	1697.7	1518.5	1339.3	1020.8	702.5	308.6	145.5	91.4
80°	1405.7	1394.2	1157.0	920.0	709.3	498.6	352.7	206.7	93.6	50.1	36.6
82.5°	810.7	826.9	654.6	482.2	335.6	189.1	125.7	62.4	28.5	17.8	15.2
85°	377.5	409.6	330.8	252.1	162.9	73.8	43.8	13.8	7.0	5.5	5.0
87.5°	108.6	133.0	113.5	94.0	58.0	22.1	12.1	2.0	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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	237.4	236.9	236.6	236.2	235.9	235.1	234.8	235.0	235.3	234.9	234.5
5°	229.6	228.1	226.6	225.0	223.3	222.1	220.2	220.2	220.1	220.7	221.3
7.5°	219.7	217.7	215.6	214.2	212.8	212.0	211.8	210.3	209.0	209.0	209.0
10°	214.8	212.4	210.0	207.7	205.5	203.5	203.9	203.0	202.0	201.5	200.9
12.5°	213.0	209.1	205.1	202.7	200.2	198.6	197.6	196.4	195.2	194.5	193.8
15°	216.5	209.6	202.7	199.5	196.3	193.8	190.4	189.6	188.9	188.0	187.1
17.5°	223.6	211.8	200.1	195.8	191.5	188.5	186.6	184.7	182.8	181.2	179.6
20°	236.6	217.6	198.6	192.8	186.9	184.0	181.1	178.6	176.1	173.9	171.7
22.5°	261.7	230.7	199.8	190.7	181.6	177.5	172.8	170.6	168.5	165.8	163.1
25°	290.9	245.2	199.4	186.6	173.9	169.4	166.8	163.7	160.5	157.6	154.7
27.5°	337.9	270.0	202.0	184.7	167.2	161.7	159.0	156.0	153.1	150.0	146.9
30°	391.4	299.8	208.2	184.4	160.5	153.6	151.1	148.5	145.9	142.8	139.6
32.5°	451.6	333.4	215.2	185.5	155.7	148.4	143.7	140.7	137.8	135.0	132.1
35°	526.3	376.0	225.5	186.4	147.1	139.0	135.1	132.6	130.1	127.0	123.9
37.5°	611.7	423.7	235.7	187.2	138.6	129.7	127.1	125.2	123.2	119.9	116.6
40°	695.6	470.5	245.5	188.6	131.7	122.0	118.8	117.5	116.1	112.8	109.6
42.5°	771.0	512.5	254.2	191.0	127.9	112.7	111.1	109.4	107.7	104.6	101.5
45°	834.6	548.2	261.9	195.7	129.5	104.6	101.8	100.3	98.7	96.6	94.7
47.5°	871.5	569.9	268.3	202.8	137.2	99.3	91.3	90.3	89.3	88.8	88.2
50°	884.3	579.6	274.8	213.3	151.8	104.6	88.4	85.0	81.7	81.7	81.7
52.5°	854.6	563.6	272.6	219.9	167.2	122.4	93.3	83.7	73.9	73.8	73.6
55°	791.2	526.2	261.2	220.7	180.1	147.1	105.5	86.6	67.7	66.0	64.2
57.5°	696.0	474.2	252.3	213.6	174.9	156.9	115.3	89.8	64.2	59.3	54.5
60°	527.8	393.3	259.0	207.2	155.5	141.1	113.0	88.4	63.9	55.1	46.4
62.5°	391.4	313.3	235.1	184.5	133.9	111.9	100.9	83.1	65.3	53.0	40.7
65°	275.6	239.0	202.3	164.4	126.5	88.0	83.3	73.6	63.9	50.6	37.3
67.5°	172.7	156.4	140.1	123.6	107.2	73.4	65.0	58.0	50.9	41.8	32.8
70°	121.2	111.7	102.1	93.7	85.3	62.0	50.4	44.4	38.5	33.7	29.0
72.5°	84.1	77.3	70.5	66.2	61.8	51.1	39.1	33.7	28.4	25.5	22.5
75°	58.5	53.5	48.5	44.5	40.5	33.6	25.5	21.6	17.7	16.1	14.6
77.5°	37.3	33.4	29.6	26.3	22.9	21.1	15.8	13.6	11.3	10.9	10.4
80°	23.1	20.4	17.8	15.2	12.6	11.8	8.1	7.2	6.3	6.3	6.3
82.5°	12.6	11.0	9.6	7.7	5.8	4.9	3.4	2.9	2.4	2.4	2.4
85°	4.7	4.1	3.4	2.8	2.0	1.2	0.5	0.6	0.8	0.7	0.6
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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	233.8	233.1	233.6	234.3	233.6	232.8	233.0	233.1	232.3	231.5	230.6
5°	221.4	221.5	222.5	223.3	223.7	223.9	224.2	224.6	224.7	225.0	225.0
7.5°	209.2	209.3	209.9	210.4	211.1	211.8	213.5	215.2	216.1	217.1	218.2
10°	200.4	200.1	201.8	203.5	204.0	204.5	206.6	208.5	209.6	210.8	211.7
12.5°	192.9	192.1	192.9	193.8	195.3	196.8	199.8	202.7	204.9	207.1	207.6
15°	186.3	185.5	186.1	186.9	187.7	188.5	191.4	194.4	196.9	199.4	200.6
17.5°	178.2	176.7	176.1	175.5	178.2	180.8	183.3	185.8	188.5	191.2	193.4
20°	169.9	168.2	167.8	167.4	168.5	169.6	172.8	176.1	179.3	182.6	183.6
22.5°	160.7	158.2	157.6	156.9	157.4	158.1	159.7	161.3	163.8	166.2	168.0
25°	152.1	149.6	147.5	145.5	145.6	145.8	146.7	147.5	148.4	149.3	150.4
27.5°	144.0	141.1	138.5	135.8	134.7	133.8	132.9	132.0	131.7	131.5	131.3
30°	136.1	132.5	129.7	126.9	124.0	121.0	119.1	117.1	115.1	113.1	111.6
32.5°	128.7	125.3	120.1	115.1	112.0	109.0	105.5	102.0	98.3	94.7	92.3
35°	120.0	116.1	111.4	106.6	101.4	96.3	91.1	85.9	81.1	76.2	73.4
37.5°	111.8	107.0	102.0	96.9	89.7	82.5	76.5	70.5	65.6	60.6	57.7
40°	104.1	98.5	91.6	84.7	76.9	69.1	62.6	56.1	51.4	46.6	44.2
42.5°	96.1	90.8	82.9	75.0	66.4	57.7	51.0	44.2	40.1	36.1	33.9
45°	88.5	82.5	73.3	64.0	55.9	47.8	42.0	36.1	32.3	28.4	26.7
47.5°	81.7	75.2	65.6	55.9	48.2	40.5	35.0	29.6	26.0	22.5	20.9
50°	75.1	68.5	58.8	49.0	42.0	34.9	30.0	25.1	21.8	18.5	16.9
52.5°	67.8	62.0	52.5	43.0	37.4	31.8	27.2	22.5	19.0	15.4	13.8
55°	59.1	53.9	46.0	38.1	33.1	28.0	23.8	19.6	15.9	12.2	10.5
57.5°	50.2	45.8	39.1	32.4	28.2	23.9	19.9	16.1	12.5	8.9	7.5
60°	42.5	38.5	32.8	27.2	23.0	18.8	15.4	12.0	8.8	5.7	4.2
62.5°	36.6	32.6	27.1	21.5	18.2	14.8	11.8	8.8	5.8	2.8	1.5
65°	32.3	27.4	22.6	17.8	14.2	10.5	7.8	5.0	3.1	1.0	0.5
67.5°	27.5	22.1	17.5	13.0	9.8	6.6	4.4	2.0	1.0	0.0	0.0
70°	23.1	17.2	12.2	7.3	4.9	2.4	1.5	0.4	0.2	0.0	0.0
72.5°	17.5	12.6	7.9	3.2	2.1	1.0	0.6	0.2	0.1	0.0	0.0
75°	11.7	8.8	5.6	2.4	1.5	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	8.6	6.9	4.2	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0
80°	5.2	4.1	2.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.6	0.8	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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	229.6	229.4	229.6	230.6	231.5	232.3	233.1	233.0	232.8	233.6	234.3
5°	225.2	225.4	225.2	225.0	225.0	224.7	224.6	224.2	223.9	223.7	223.3
7.5°	219.3	221.3	219.3	218.2	217.1	216.1	215.2	213.5	211.8	211.1	210.4
10°	212.6	214.0	212.6	211.7	210.8	209.6	208.5	206.6	204.5	204.0	203.5
12.5°	208.2	208.3	208.2	207.6	207.1	204.9	202.7	199.8	196.8	195.3	193.8
15°	201.9	202.7	201.9	200.6	199.4	196.9	194.4	191.4	188.5	187.7	186.9
17.5°	195.8	197.0	195.8	193.4	191.2	188.5	185.8	183.3	180.8	178.2	175.5
20°	184.7	184.0	184.7	183.6	182.6	179.3	176.1	172.8	169.6	168.5	167.4
22.5°	169.8	171.9	169.8	168.0	166.2	163.8	161.3	159.7	158.1	157.4	156.9
25°	151.4	152.4	151.4	150.4	149.3	148.4	147.5	146.7	145.8	145.6	145.5
27.5°	131.2	130.5	131.2	131.3	131.5	131.7	132.0	132.9	133.8	134.7	135.8
30°	110.1	109.4	110.1	111.6	113.1	115.1	117.1	119.1	121.0	124.0	126.9
32.5°	89.8	88.4	89.8	92.3	94.7	98.3	102.0	105.5	109.0	112.0	115.1
35°	70.7	69.7	70.7	73.4	76.2	81.1	85.9	91.1	96.3	101.4	106.6
37.5°	55.0	53.5	55.0	57.7	60.6	65.6	70.5	76.5	82.5	89.7	96.9
40°	41.8	40.5	41.8	44.2	46.6	51.4	56.1	62.6	69.1	76.9	84.7
42.5°	31.6	30.0	31.6	33.9	36.1	40.1	44.2	51.0	57.7	66.4	75.0
45°	25.0	24.3	25.0	26.7	28.4	32.3	36.1	42.0	47.8	55.9	64.0
47.5°	19.3	18.6	19.3	20.9	22.5	26.0	29.6	35.0	40.5	48.2	55.9
50°	15.2	14.6	15.2	16.9	18.5	21.8	25.1	30.0	34.9	42.0	49.0
52.5°	12.2	11.3	12.2	13.8	15.4	19.0	22.5	27.2	31.8	37.4	43.0
55°	8.8	8.1	8.8	10.5	12.2	15.9	19.6	23.8	28.0	33.1	38.1
57.5°	6.1	5.7	6.1	7.5	8.9	12.5	16.1	19.9	23.9	28.2	32.4
60°	2.8	2.4	2.8	4.2	5.7	8.8	12.0	15.4	18.8	23.0	27.2
62.5°	0.2	0.0	0.2	1.5	2.8	5.8	8.8	11.8	14.8	18.2	21.5
65°	0.0	0.0	0.0	0.5	1.0	3.1	5.0	7.8	10.5	14.2	17.8
67.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.4	6.6	9.8	13.0
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.5	2.4	4.9	7.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.0	2.1	3.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.5	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	233.6	233.1	233.8	234.5	234.9	235.3	235.0	234.8	235.1	235.9	236.2
5°	222.5	221.5	221.4	221.3	220.7	220.1	220.2	220.2	222.1	223.3	225.0
7.5°	209.9	209.3	209.2	209.0	209.0	209.0	210.3	211.8	212.0	212.8	214.2
10°	201.8	200.1	200.4	200.9	201.5	202.0	203.0	203.9	203.5	205.5	207.7
12.5°	192.9	192.1	192.9	193.8	194.5	195.2	196.4	197.6	198.6	200.2	202.7
15°	186.1	185.5	186.3	187.1	188.0	188.9	189.6	190.4	193.8	196.3	199.5
17.5°	176.1	176.7	178.2	179.6	181.2	182.8	184.7	186.6	188.5	191.5	195.8
20°	167.8	168.2	169.9	171.7	173.9	176.1	178.6	181.1	184.0	186.9	192.8
22.5°	157.6	158.2	160.7	163.1	165.8	168.5	170.6	172.8	177.5	181.6	190.7
25°	147.5	149.6	152.1	154.7	157.6	160.5	163.7	166.8	169.4	173.9	186.6
27.5°	138.5	141.1	144.0	146.9	150.0	153.1	156.0	159.0	161.7	167.2	184.7
30°	129.7	132.5	136.1	139.6	142.8	145.9	148.5	151.1	153.6	160.5	184.4
32.5°	120.1	125.3	128.7	132.1	135.0	137.8	140.7	143.7	148.4	155.7	185.5
35°	111.4	116.1	120.0	123.9	127.0	130.1	132.6	135.1	139.0	147.1	186.4
37.5°	102.0	107.0	111.8	116.6	119.9	123.2	125.2	127.1	129.7	138.6	187.2
40°	91.6	98.5	104.1	109.6	112.8	116.1	117.5	118.8	122.0	131.7	188.6
42.5°	82.9	90.8	96.1	101.5	104.6	107.7	109.4	111.1	112.7	127.9	191.0
45°	73.3	82.5	88.5	94.7	96.6	98.7	100.3	101.8	104.6	129.5	195.7
47.5°	65.6	75.2	81.7	88.2	88.8	89.3	90.3	91.3	99.3	137.2	202.8
50°	58.8	68.5	75.1	81.7	81.7	81.7	85.0	88.4	104.6	151.8	213.3
52.5°	52.5	62.0	67.8	73.6	73.8	73.9	83.7	93.3	122.4	167.2	219.9
55°	46.0	53.9	59.1	64.2	66.0	67.7	86.6	105.5	147.1	180.1	220.7
57.5°	39.1	45.8	50.2	54.5	59.3	64.2	89.8	115.3	156.9	174.9	213.6
60°	32.8	38.5	42.5	46.4	55.1	63.9	88.4	113.0	141.1	155.5	207.2
62.5°	27.1	32.6	36.6	40.7	53.0	65.3	83.1	100.9	111.9	133.9	184.5
65°	22.6	27.4	32.3	37.3	50.6	63.9	73.6	83.3	88.0	126.5	164.4
67.5°	17.5	22.1	27.5	32.8	41.8	50.9	58.0	65.0	73.4	107.2	123.6
70°	12.2	17.2	23.1	29.0	33.7	38.5	44.4	50.4	62.0	85.3	93.7
72.5°	7.9	12.6	17.5	22.5	25.5	28.4	33.7	39.1	51.1	61.8	66.2
75°	5.6	8.8	11.7	14.6	16.1	17.7	21.6	25.5	33.6	40.5	44.5
77.5°	4.2	6.9	8.6	10.4	10.9	11.3	13.6	15.8	21.1	22.9	26.3
80°	2.4	4.1	5.2	6.3	6.3	6.3	7.2	8.1	11.8	12.6	15.2
82.5°	0.8	1.6	2.0	2.4	2.4	2.4	2.9	3.4	4.9	5.8	7.7
85°	0.1	0.2	0.4	0.6	0.7	0.8	0.6	0.5	1.2	2.0	2.8
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°	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	236.6	236.9	237.4	238.3	239.3	240.0	239.2
5°	226.6	228.1	229.6	231.2	232.8	235.3	238.3
7.5°	215.6	217.7	219.7	222.1	224.6	227.5	230.6
10°	210.0	212.4	214.8	218.7	222.5	227.6	231.5
12.5°	205.1	209.1	213.0	220.7	228.5	238.9	248.5
15°	202.7	209.6	216.5	230.9	245.2	264.1	283.7
17.5°	200.1	211.8	223.6	249.8	276.0	312.2	355.1
20°	198.6	217.6	236.6	279.6	322.7	381.5	447.1
22.5°	199.8	230.7	261.7	327.4	393.0	475.9	555.3
25°	199.4	245.2	290.9	383.9	476.8	589.0	686.2
27.5°	202.0	270.0	337.9	461.0	584.1	716.6	819.6
30°	208.2	299.8	391.4	547.4	703.5	862.5	978.9
32.5°	215.2	333.4	451.6	644.2	836.8	1022.5	1145.9
35°	225.5	376.0	526.3	754.3	982.4	1185.4	1298.3
37.5°	235.7	423.7	611.7	878.9	1146.2	1364.3	1468.6
40°	245.5	470.5	695.6	1007.9	1320.2	1560.6	1648.5
42.5°	254.2	512.5	771.0	1133.0	1495.1	1769.4	1867.4
45°	261.9	548.2	834.6	1270.4	1706.3	2070.0	2263.0
47.5°	268.3	569.9	871.5	1424.3	1977.1	2518.0	2840.3
50°	274.8	579.6	884.3	1571.8	2259.4	3044.7	3605.1
52.5°	272.6	563.6	854.6	1635.2	2415.9	3422.3	4295.8
55°	261.2	526.2	791.2	1604.0	2416.8	3565.8	4736.1
57.5°	252.3	474.2	696.0	1444.7	2193.6	3385.0	4889.3
60°	259.0	393.3	527.8	1170.2	1812.7	3011.5	4583.6
62.5°	235.1	313.3	391.4	928.2	1465.1	2565.1	4079.0
65°	202.3	239.0	275.6	729.1	1182.6	2147.4	3488.0
67.5°	140.1	156.4	172.7	541.6	910.6	1726.4	2988.6
70°	102.1	111.7	121.2	401.9	682.6	1337.1	2466.1
72.5°	70.5	77.3	84.1	267.2	450.3	922.3	1879.6
75°	48.5	53.5	58.5	167.9	277.3	589.0	1309.7
77.5°	29.6	33.4	37.3	91.4	145.5	308.6	702.5
80°	17.8	20.4	23.1	36.6	50.1	93.6	206.7
82.5°	9.6	11.0	12.6	15.2	17.8	28.5	62.4
85°	3.4	4.1	4.7	5.0	5.5	7.0	13.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)