

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: P1208668

Luminaire Tested: UPW-SA1-070-827-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208668
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-SA1-070-827-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 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: 3851 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

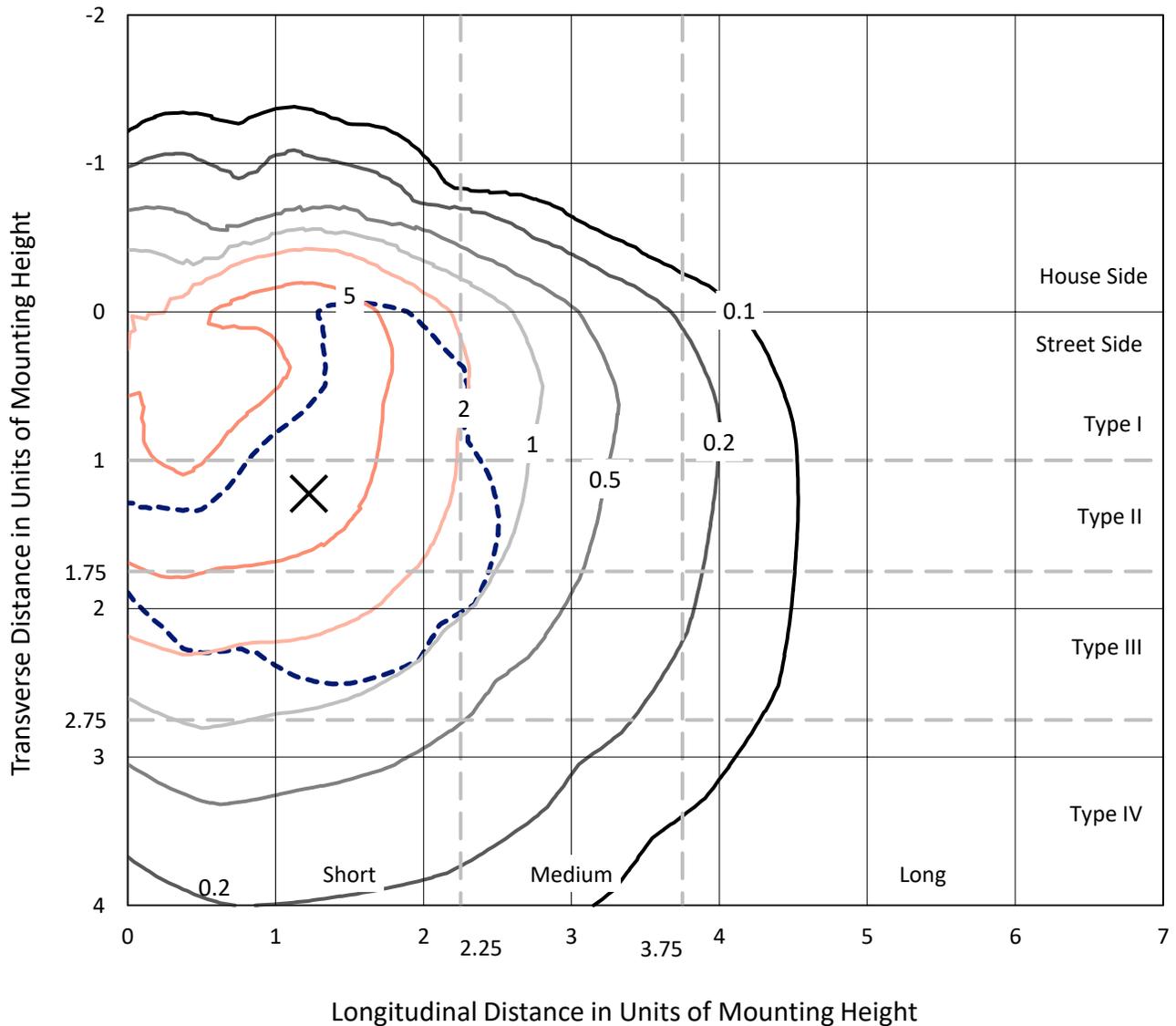
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

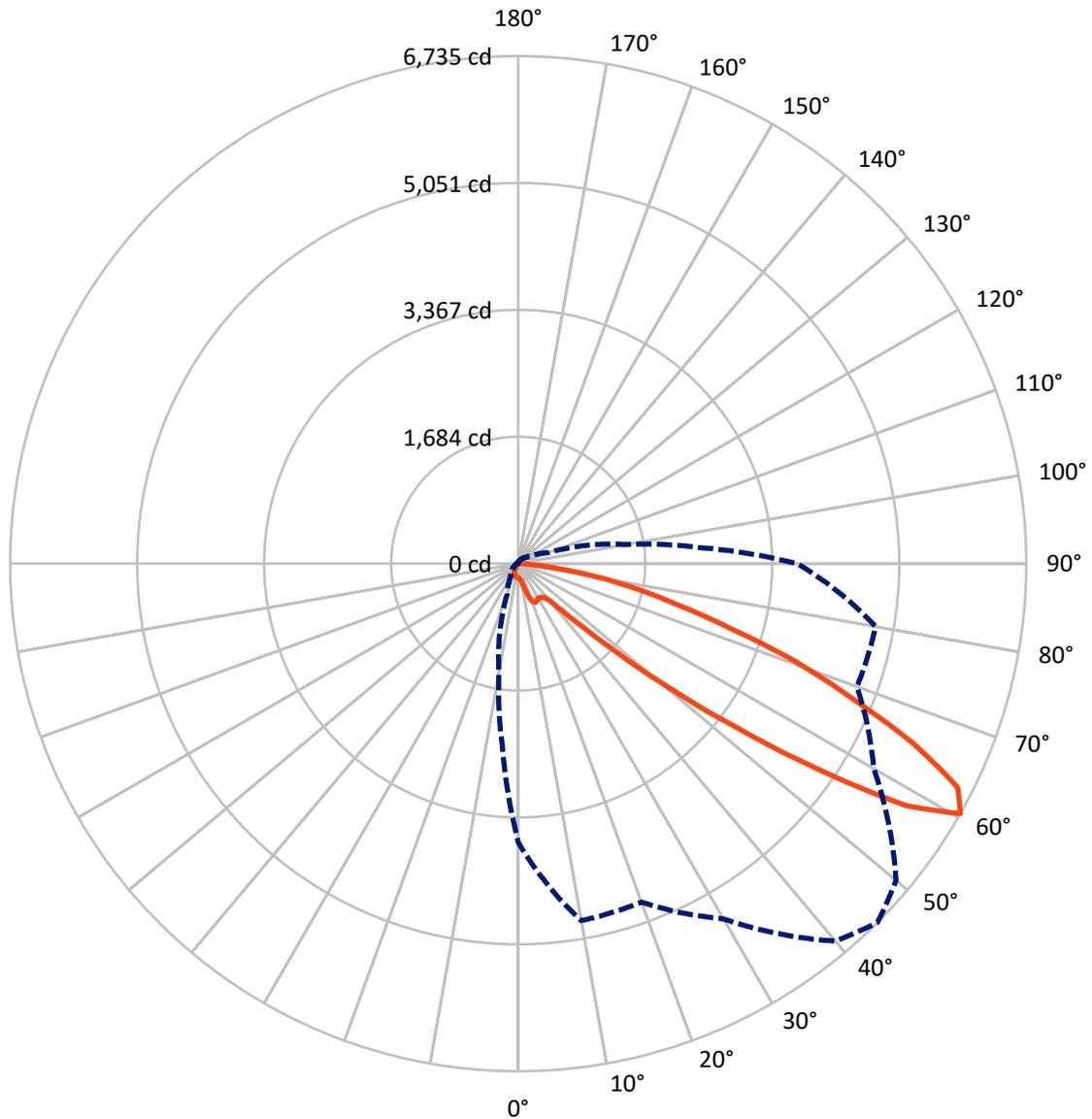
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	443.7	0.0	443.7
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3407.3	0.0	3407.3
	% Fixture	88.5	0.0	88.5
Total	Lumens	3851.0	0.0	3851.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.5
10°-20°	59.4	1.5
20°-30°	128.3	3.3
30°-40°	216.2	5.6
40°-50°	436.6	11.3
50°-60°	1123.0	29.2
60°-70°	1220.9	31.7
70°-80°	575.2	14.9
80°-90°	73.8	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°	3851.0	100.0
0°-180°	3851.0	100.0



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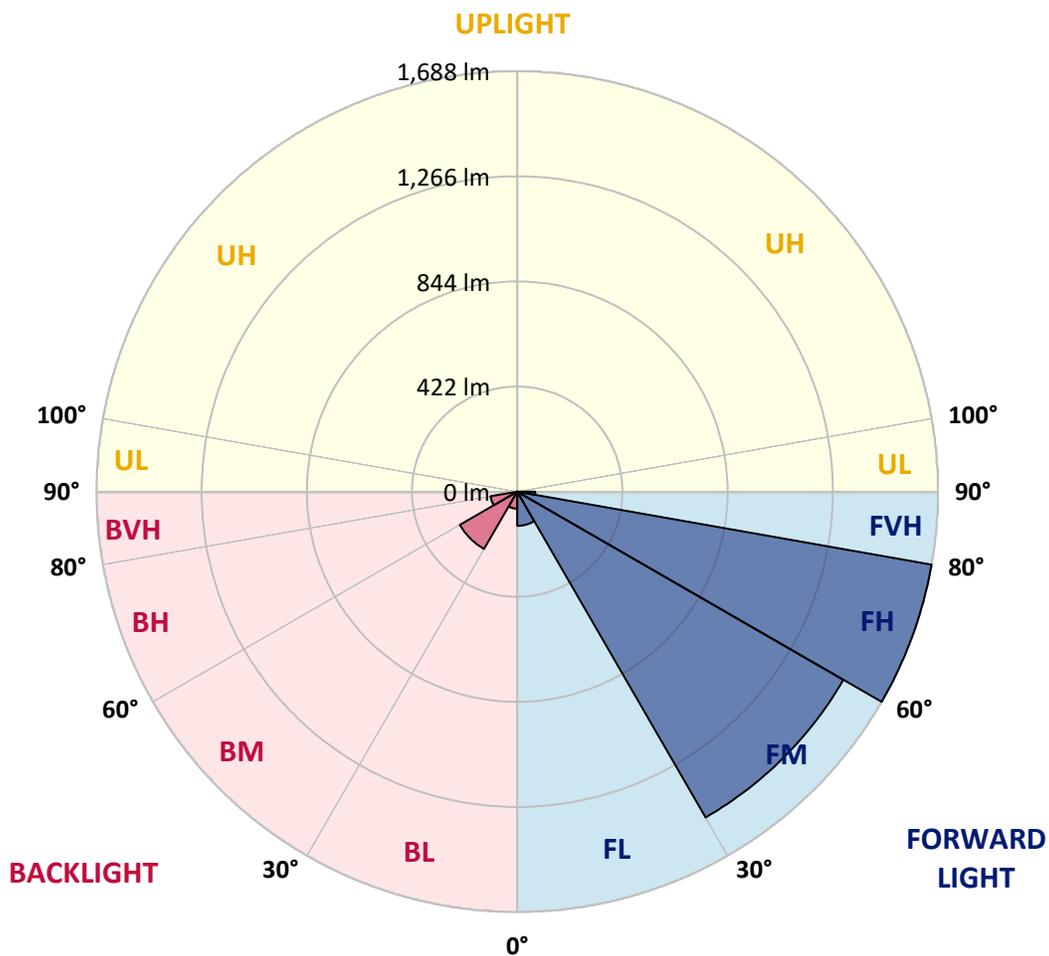
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.0	3.6			
FM	(30°-60°)	1510.2	39.2			
FH	(60°-80°)	1687.5	43.8			G1/1800
FVH	(80°-90°)	72.5	1.9			G1/100
BL	(0°-30°)	68.2	1.8	B0/110		
BM	(30°-60°)	265.6	6.9	B1/1000		
BH	(60°-80°)	108.6	2.8	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	192.8	193.4	194.0	194.9	195.8	196.2	196.6	196.8	197.0	195.4	197.0
5°	192.2	193.8	195.4	197.4	199.4	200.4	201.5	202.0	202.5	203.9	202.5
7.5°	186.0	190.2	194.3	198.1	201.9	204.7	207.7	210.2	212.7	214.4	212.7
10°	186.6	194.2	201.9	209.2	216.7	222.4	228.1	232.0	235.8	237.9	235.8
12.5°	200.4	212.7	225.0	237.4	249.8	261.5	273.2	281.0	288.8	294.2	288.8
15°	228.8	252.0	275.2	296.9	318.7	336.8	354.9	364.6	374.2	375.2	374.2
17.5°	286.3	320.2	354.2	383.0	411.8	431.1	450.4	459.6	468.8	471.3	468.8
20°	360.5	403.2	445.8	473.0	500.2	513.1	526.1	530.9	535.8	532.7	535.8
22.5°	447.8	493.0	538.3	556.9	575.6	574.3	573.1	569.1	565.0	558.2	565.0
25°	553.3	590.9	628.5	624.6	620.7	604.7	588.8	575.4	561.9	555.6	561.9
27.5°	660.9	681.2	701.5	673.7	645.8	615.5	585.2	567.2	549.2	538.0	549.2
30°	789.3	776.2	763.0	713.4	663.8	625.4	587.0	565.7	544.4	531.4	544.4
32.5°	924.0	877.6	831.2	760.5	689.8	645.1	600.4	575.8	551.1	535.4	551.1
35°	1046.9	970.8	894.8	805.2	715.6	667.5	619.6	591.1	562.7	550.4	562.7
37.5°	1184.1	1069.5	954.9	846.3	737.7	685.2	632.8	606.6	580.5	567.4	580.5
40°	1329.3	1178.6	1027.9	901.0	774.1	727.9	681.8	664.7	647.5	643.9	647.5
42.5°	1505.7	1320.7	1135.6	999.9	864.2	842.3	820.5	826.3	832.1	855.7	832.1
45°	1824.7	1598.6	1372.6	1219.4	1066.1	1074.3	1082.4	1126.9	1171.5	1197.5	1171.5
47.5°	2290.2	2044.3	1798.4	1602.9	1407.4	1461.8	1516.2	1624.3	1732.5	1755.8	1732.5
50°	2906.9	2645.5	2384.1	2140.1	1896.0	2010.7	2125.4	2332.1	2538.8	2572.9	2538.8
52.5°	3463.8	3262.2	3060.7	2775.1	2489.5	2684.3	2879.1	3182.5	3485.9	3578.9	3485.9
55°	3818.8	3884.7	3950.5	3650.8	3351.1	3588.6	3826.1	4225.9	4625.7	4803.9	4625.7
57.5°	3942.3	4331.7	4721.0	4511.1	4301.2	4546.3	4791.5	5285.5	5779.6	6060.9	5779.6
60°	3695.9	4253.1	4810.3	4793.8	4777.4	5110.1	5442.7	5990.6	6538.5	6734.9	6538.5
62.5°	3289.0	3748.5	4208.1	4291.5	4375.1	4843.7	5312.3	5824.0	6335.7	6536.8	6335.7
65°	2812.5	3223.6	3634.6	3699.2	3763.8	4264.1	4764.5	5226.7	5688.8	5756.9	5688.8
67.5°	2409.8	2825.9	3241.9	3282.5	3323.2	3748.8	4174.5	4517.2	4859.8	4775.8	4859.8
70°	1988.5	2428.5	2868.5	2935.7	3003.0	3304.3	3605.7	3806.0	4006.3	3905.1	4006.3
72.5°	1515.6	1961.2	2406.8	2468.9	2531.0	2740.3	2949.5	3048.6	3147.6	2948.1	3147.6
75°	1056.0	1439.0	1821.9	1903.5	1985.1	2131.8	2278.6	2318.5	2358.3	2174.1	2358.3
77.5°	566.4	823.1	1079.9	1224.4	1368.9	1528.0	1687.1	1706.1	1725.1	1602.8	1725.1
80°	166.7	284.4	402.0	571.9	741.8	932.9	1124.2	1133.4	1142.6	1051.8	1142.6
82.5°	50.3	101.4	152.4	270.6	388.8	527.8	666.8	653.7	640.5	548.4	640.5
85°	11.1	35.3	59.5	131.4	203.3	266.8	330.2	304.4	278.6	226.2	278.6
87.5°	1.6	9.7	17.8	46.8	75.8	91.5	107.2	87.5	67.9	61.4	67.9
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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	196.8	196.6	196.2	195.8	194.9	194.0	193.4	192.8	193.5	193.0	192.2
5°	202.0	201.5	200.4	199.4	197.4	195.4	193.8	192.2	189.7	187.7	186.4
7.5°	210.2	207.7	204.7	201.9	198.1	194.3	190.2	186.0	183.4	181.1	179.1
10°	232.0	228.1	222.4	216.7	209.2	201.9	194.2	186.6	183.5	179.4	176.4
12.5°	281.0	273.2	261.5	249.8	237.4	225.0	212.7	200.4	192.6	184.2	177.9
15°	364.6	354.9	336.8	318.7	296.9	275.2	252.0	228.8	213.0	197.7	186.2
17.5°	459.6	450.4	431.1	411.8	383.0	354.2	320.2	286.3	251.7	222.6	201.4
20°	530.9	526.1	513.1	500.2	473.0	445.8	403.2	360.5	307.6	260.2	225.5
22.5°	569.1	573.1	574.3	575.6	556.9	538.3	493.0	447.8	383.7	316.9	264.0
25°	575.4	588.8	604.7	620.7	624.6	628.5	590.9	553.3	474.9	384.5	309.5
27.5°	567.2	585.2	615.5	645.8	673.7	701.5	681.2	660.9	577.8	471.0	371.7
30°	565.7	587.0	625.4	663.8	713.4	763.0	776.2	789.3	695.4	567.3	441.4
32.5°	575.8	600.4	645.1	689.8	760.5	831.2	877.6	924.0	824.5	674.7	519.4
35°	591.1	619.6	667.5	715.6	805.2	894.8	970.8	1046.9	955.8	792.1	608.2
37.5°	606.6	632.8	685.2	737.7	846.3	954.9	1069.5	1184.1	1100.1	924.2	708.7
40°	664.7	681.8	727.9	774.1	901.0	1027.9	1178.6	1329.3	1258.3	1064.5	812.7
42.5°	826.3	820.5	842.3	864.2	999.9	1135.6	1320.7	1505.7	1426.7	1205.5	913.6
45°	1126.9	1082.4	1074.3	1066.1	1219.4	1372.6	1598.6	1824.7	1669.1	1375.9	1024.4
47.5°	1624.3	1516.2	1461.8	1407.4	1602.9	1798.4	2044.3	2290.2	2030.3	1594.2	1148.4
50°	2332.1	2125.4	2010.7	1896.0	2140.1	2384.1	2645.5	2906.9	2455.0	1821.8	1267.4
52.5°	3182.5	2879.1	2684.3	2489.5	2775.1	3060.7	3262.2	3463.8	2759.5	1948.0	1318.5
55°	4225.9	3826.1	3588.6	3351.1	3650.8	3950.5	3884.7	3818.8	2875.2	1948.7	1293.4
57.5°	5285.5	4791.5	4546.3	4301.2	4511.1	4721.0	4331.7	3942.3	2729.4	1768.7	1164.9
60°	5990.6	5442.7	5110.1	4777.4	4793.8	4810.3	4253.1	3695.9	2428.2	1461.6	943.6
62.5°	5824.0	5312.3	4843.7	4375.1	4291.5	4208.1	3748.5	3289.0	2068.3	1181.3	748.5
65°	5226.7	4764.5	4264.1	3763.8	3699.2	3634.6	3223.6	2812.5	1731.5	953.6	587.9
67.5°	4517.2	4174.5	3748.8	3323.2	3282.5	3241.9	2825.9	2409.8	1392.1	734.2	436.7
70°	3806.0	3605.7	3304.3	3003.0	2935.7	2868.5	2428.5	1988.5	1078.1	550.4	324.1
72.5°	3048.6	2949.5	2740.3	2531.0	2468.9	2406.8	1961.2	1515.6	743.7	363.1	215.5
75°	2318.5	2278.6	2131.8	1985.1	1903.5	1821.9	1439.0	1056.0	475.0	223.6	135.4
77.5°	1706.1	1687.1	1528.0	1368.9	1224.4	1079.9	823.1	566.4	248.9	117.3	73.7
80°	1133.4	1124.2	932.9	741.8	571.9	402.0	284.4	166.7	75.5	40.4	29.5
82.5°	653.7	666.8	527.8	388.8	270.6	152.4	101.4	50.3	23.0	14.4	12.3
85°	304.4	330.2	266.8	203.3	131.4	59.5	35.3	11.1	5.6	4.4	4.1
87.5°	87.5	107.2	91.5	75.8	46.8	17.8	9.7	1.6	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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	191.4	191.0	190.7	190.5	190.2	189.6	189.3	189.5	189.7	189.4	189.0
5°	185.1	183.9	182.7	181.4	180.1	179.1	177.5	177.5	177.5	177.9	178.5
7.5°	177.1	175.5	173.9	172.7	171.6	170.9	170.7	169.6	168.5	168.5	168.5
10°	173.2	171.3	169.3	167.5	165.7	164.1	164.4	163.7	162.9	162.4	162.0
12.5°	171.8	168.6	165.4	163.4	161.5	160.2	159.4	158.4	157.4	156.8	156.2
15°	174.5	169.0	163.4	160.9	158.3	156.2	153.5	152.9	152.3	151.6	150.9
17.5°	180.3	170.7	161.3	157.9	154.4	152.0	150.5	148.9	147.4	146.1	144.8
20°	190.7	175.4	160.2	155.4	150.7	148.4	146.0	144.0	142.0	140.2	138.4
22.5°	211.0	186.0	161.1	153.7	146.4	143.2	139.4	137.5	135.8	133.7	131.5
25°	234.5	197.7	160.8	150.5	140.2	136.6	134.5	132.0	129.4	127.1	124.7
27.5°	272.5	217.7	162.9	148.9	134.8	130.4	128.2	125.8	123.4	120.9	118.4
30°	315.6	241.7	167.9	148.6	129.4	123.9	121.8	119.8	117.7	115.1	112.6
32.5°	364.1	268.8	173.6	149.6	125.5	119.6	115.8	113.5	111.1	108.8	106.5
35°	424.4	303.2	181.9	150.3	118.6	112.1	108.9	106.9	104.9	102.4	99.9
37.5°	493.2	341.6	190.1	150.9	111.8	104.6	102.5	100.9	99.4	96.7	94.0
40°	560.9	379.4	197.9	152.0	106.2	98.4	95.8	94.7	93.6	91.0	88.4
42.5°	621.6	413.3	204.9	154.0	103.2	90.9	89.6	88.2	86.8	84.3	81.8
45°	673.0	442.0	211.1	157.8	104.5	84.3	82.1	80.9	79.6	77.9	76.3
47.5°	702.7	459.5	216.4	163.5	110.6	80.1	73.6	72.8	72.0	71.6	71.1
50°	713.0	467.3	221.6	172.0	122.4	84.3	71.3	68.6	65.9	65.9	65.9
52.5°	689.1	454.4	219.8	177.3	134.8	98.7	75.2	67.5	59.6	59.5	59.4
55°	638.0	424.3	210.6	177.9	145.2	118.6	85.0	69.8	54.6	53.2	51.8
57.5°	561.2	382.3	203.4	172.2	141.1	126.5	93.0	72.4	51.8	47.8	43.9
60°	425.5	317.2	208.9	167.1	125.4	113.7	91.1	71.3	51.5	44.5	37.4
62.5°	315.6	252.6	189.6	148.8	108.0	90.2	81.4	67.0	52.6	42.8	32.8
65°	222.3	192.7	163.1	132.6	102.0	70.9	67.2	59.4	51.5	40.8	30.1
67.5°	139.2	126.1	113.0	99.7	86.4	59.2	52.4	46.7	41.1	33.7	26.5
70°	97.7	90.1	82.4	75.6	68.8	50.0	40.7	35.8	31.0	27.2	23.4
72.5°	67.9	62.4	56.9	53.3	49.8	41.2	31.5	27.2	22.9	20.5	18.2
75°	47.2	43.1	39.1	35.9	32.7	27.1	20.5	17.4	14.3	13.0	11.8
77.5°	30.1	26.9	23.9	21.2	18.4	17.0	12.7	11.0	9.2	8.8	8.4
80°	18.6	16.5	14.4	12.3	10.1	9.5	6.5	5.8	5.1	5.1	5.1
82.5°	10.1	8.9	7.7	6.2	4.7	3.9	2.7	2.4	2.0	2.0	2.0
85°	3.8	3.3	2.7	2.2	1.6	1.0	0.4	0.5	0.7	0.6	0.5
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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	188.5	187.9	188.4	188.9	188.3	187.7	187.9	187.9	187.3	186.6	185.9
5°	178.5	178.6	179.4	180.1	180.3	180.5	180.8	181.1	181.2	181.4	181.5
7.5°	168.6	168.8	169.2	169.6	170.2	170.7	172.2	173.6	174.3	175.1	175.9
10°	161.6	161.3	162.7	164.1	164.5	164.9	166.6	168.1	169.0	170.0	170.7
12.5°	155.6	154.9	155.6	156.2	157.5	158.7	161.1	163.4	165.2	167.0	167.4
15°	150.2	149.6	150.1	150.7	151.3	152.0	154.3	156.8	158.8	160.8	161.8
17.5°	143.7	142.5	142.0	141.5	143.7	145.8	147.8	149.8	152.0	154.1	156.0
20°	137.0	135.6	135.3	135.0	135.9	136.7	139.4	142.0	144.6	147.2	148.1
22.5°	129.6	127.6	127.1	126.5	126.9	127.5	128.8	130.1	132.0	134.0	135.4
25°	122.6	120.6	119.0	117.3	117.4	117.5	118.3	119.0	119.7	120.4	121.3
27.5°	116.1	113.7	111.6	109.5	108.6	107.9	107.1	106.4	106.2	106.0	105.9
30°	109.8	106.9	104.6	102.3	99.9	97.5	96.0	94.5	92.8	91.2	89.9
32.5°	103.8	101.0	96.9	92.8	90.3	87.9	85.0	82.2	79.2	76.3	74.4
35°	96.7	93.6	89.8	86.0	81.8	77.7	73.5	69.3	65.4	61.4	59.2
37.5°	90.1	86.3	82.2	78.1	72.3	66.5	61.7	56.9	52.9	48.9	46.5
40°	83.9	79.4	73.9	68.3	62.0	55.7	50.5	45.2	41.4	37.6	35.6
42.5°	77.5	73.2	66.8	60.5	53.5	46.5	41.1	35.6	32.4	29.1	27.3
45°	71.4	66.5	59.1	51.6	45.1	38.6	33.9	29.1	26.0	22.9	21.5
47.5°	65.9	60.7	52.9	45.1	38.9	32.7	28.2	23.9	21.0	18.2	16.9
50°	60.5	55.2	47.4	39.5	33.9	28.1	24.2	20.3	17.6	14.9	13.6
52.5°	54.6	50.0	42.4	34.6	30.1	25.6	21.9	18.2	15.3	12.4	11.1
55°	47.7	43.5	37.1	30.7	26.7	22.6	19.2	15.8	12.8	9.8	8.4
57.5°	40.5	36.9	31.5	26.1	22.7	19.3	16.1	12.9	10.1	7.2	6.0
60°	34.3	31.0	26.5	21.9	18.6	15.2	12.4	9.7	7.1	4.6	3.4
62.5°	29.5	26.3	21.8	17.3	14.6	11.9	9.5	7.1	4.6	2.3	1.2
65°	26.1	22.1	18.2	14.4	11.4	8.5	6.3	4.1	2.5	0.8	0.4
67.5°	22.2	17.8	14.1	10.5	7.9	5.4	3.5	1.6	0.8	0.0	0.0
70°	18.6	13.9	9.9	5.9	3.9	2.0	1.2	0.3	0.1	0.0	0.0
72.5°	14.1	10.1	6.4	2.6	1.7	0.8	0.5	0.1	0.1	0.0	0.0
75°	9.4	7.1	4.5	2.0	1.2	0.5	0.3	0.0	0.0	0.0	0.0
77.5°	6.9	5.6	3.4	1.3	0.8	0.3	0.1	0.0	0.0	0.0	0.0
80°	4.2	3.3	2.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.3	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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	185.1	185.0	185.1	185.9	186.6	187.3	187.9	187.9	187.7	188.3	188.9
5°	181.6	181.7	181.6	181.5	181.4	181.2	181.1	180.8	180.5	180.3	180.1
7.5°	176.8	178.5	176.8	175.9	175.1	174.3	173.6	172.2	170.7	170.2	169.6
10°	171.4	172.6	171.4	170.7	170.0	169.0	168.1	166.6	164.9	164.5	164.1
12.5°	167.9	168.0	167.9	167.4	167.0	165.2	163.4	161.1	158.7	157.5	156.2
15°	162.8	163.4	162.8	161.8	160.8	158.8	156.8	154.3	152.0	151.3	150.7
17.5°	157.9	158.8	157.9	156.0	154.1	152.0	149.8	147.8	145.8	143.7	141.5
20°	148.9	148.4	148.9	148.1	147.2	144.6	142.0	139.4	136.7	135.9	135.0
22.5°	136.9	138.6	136.9	135.4	134.0	132.0	130.1	128.8	127.5	126.9	126.5
25°	122.1	122.9	122.1	121.3	120.4	119.7	119.0	118.3	117.5	117.4	117.3
27.5°	105.8	105.2	105.8	105.9	106.0	106.2	106.4	107.1	107.9	108.6	109.5
30°	88.8	88.2	88.8	89.9	91.2	92.8	94.5	96.0	97.5	99.9	102.3
32.5°	72.4	71.3	72.4	74.4	76.3	79.2	82.2	85.0	87.9	90.3	92.8
35°	57.0	56.2	57.0	59.2	61.4	65.4	69.3	73.5	77.7	81.8	86.0
37.5°	44.3	43.1	44.3	46.5	48.9	52.9	56.9	61.7	66.5	72.3	78.1
40°	33.7	32.7	33.7	35.6	37.6	41.4	45.2	50.5	55.7	62.0	68.3
42.5°	25.5	24.2	25.5	27.3	29.1	32.4	35.6	41.1	46.5	53.5	60.5
45°	20.1	19.6	20.1	21.5	22.9	26.0	29.1	33.9	38.6	45.1	51.6
47.5°	15.6	15.0	15.6	16.9	18.2	21.0	23.9	28.2	32.7	38.9	45.1
50°	12.3	11.8	12.3	13.6	14.9	17.6	20.3	24.2	28.1	33.9	39.5
52.5°	9.8	9.2	9.8	11.1	12.4	15.3	18.2	21.9	25.6	30.1	34.6
55°	7.1	6.5	7.1	8.4	9.8	12.8	15.8	19.2	22.6	26.7	30.7
57.5°	4.9	4.6	4.9	6.0	7.2	10.1	12.9	16.1	19.3	22.7	26.1
60°	2.3	2.0	2.3	3.4	4.6	7.1	9.7	12.4	15.2	18.6	21.9
62.5°	0.1	0.0	0.1	1.2	2.3	4.6	7.1	9.5	11.9	14.6	17.3
65°	0.0	0.0	0.0	0.4	0.8	2.5	4.1	6.3	8.5	11.4	14.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.5	5.4	7.9	10.5
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.2	2.0	3.9	5.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.8	1.7	2.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.2	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	188.4	187.9	188.5	189.0	189.4	189.7	189.5	189.3	189.6	190.2	190.5
5°	179.4	178.6	178.5	178.5	177.9	177.5	177.5	177.5	179.1	180.1	181.4
7.5°	169.2	168.8	168.6	168.5	168.5	168.5	169.6	170.7	170.9	171.6	172.7
10°	162.7	161.3	161.6	162.0	162.4	162.9	163.7	164.4	164.1	165.7	167.5
12.5°	155.6	154.9	155.6	156.2	156.8	157.4	158.4	159.4	160.2	161.5	163.4
15°	150.1	149.6	150.2	150.9	151.6	152.3	152.9	153.5	156.2	158.3	160.9
17.5°	142.0	142.5	143.7	144.8	146.1	147.4	148.9	150.5	152.0	154.4	157.9
20°	135.3	135.6	137.0	138.4	140.2	142.0	144.0	146.0	148.4	150.7	155.4
22.5°	127.1	127.6	129.6	131.5	133.7	135.8	137.5	139.4	143.2	146.4	153.7
25°	119.0	120.6	122.6	124.7	127.1	129.4	132.0	134.5	136.6	140.2	150.5
27.5°	111.6	113.7	116.1	118.4	120.9	123.4	125.8	128.2	130.4	134.8	148.9
30°	104.6	106.9	109.8	112.6	115.1	117.7	119.8	121.8	123.9	129.4	148.6
32.5°	96.9	101.0	103.8	106.5	108.8	111.1	113.5	115.8	119.6	125.5	149.6
35°	89.8	93.6	96.7	99.9	102.4	104.9	106.9	108.9	112.1	118.6	150.3
37.5°	82.2	86.3	90.1	94.0	96.7	99.4	100.9	102.5	104.6	111.8	150.9
40°	73.9	79.4	83.9	88.4	91.0	93.6	94.7	95.8	98.4	106.2	152.0
42.5°	66.8	73.2	77.5	81.8	84.3	86.8	88.2	89.6	90.9	103.2	154.0
45°	59.1	66.5	71.4	76.3	77.9	79.6	80.9	82.1	84.3	104.5	157.8
47.5°	52.9	60.7	65.9	71.1	71.6	72.0	72.8	73.6	80.1	110.6	163.5
50°	47.4	55.2	60.5	65.9	65.9	65.9	68.6	71.3	84.3	122.4	172.0
52.5°	42.4	50.0	54.6	59.4	59.5	59.6	67.5	75.2	98.7	134.8	177.3
55°	37.1	43.5	47.7	51.8	53.2	54.6	69.8	85.0	118.6	145.2	177.9
57.5°	31.5	36.9	40.5	43.9	47.8	51.8	72.4	93.0	126.5	141.1	172.2
60°	26.5	31.0	34.3	37.4	44.5	51.5	71.3	91.1	113.7	125.4	167.1
62.5°	21.8	26.3	29.5	32.8	42.8	52.6	67.0	81.4	90.2	108.0	148.8
65°	18.2	22.1	26.1	30.1	40.8	51.5	59.4	67.2	70.9	102.0	132.6
67.5°	14.1	17.8	22.2	26.5	33.7	41.1	46.7	52.4	59.2	86.4	99.7
70°	9.9	13.9	18.6	23.4	27.2	31.0	35.8	40.7	50.0	68.8	75.6
72.5°	6.4	10.1	14.1	18.2	20.5	22.9	27.2	31.5	41.2	49.8	53.3
75°	4.5	7.1	9.4	11.8	13.0	14.3	17.4	20.5	27.1	32.7	35.9
77.5°	3.4	5.6	6.9	8.4	8.8	9.2	11.0	12.7	17.0	18.4	21.2
80°	2.0	3.3	4.2	5.1	5.1	5.1	5.8	6.5	9.5	10.1	12.3
82.5°	0.7	1.3	1.6	2.0	2.0	2.0	2.4	2.7	3.9	4.7	6.2
85°	0.1	0.1	0.3	0.5	0.6	0.7	0.5	0.4	1.0	1.6	2.2
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°	191.5	191.5	191.5	191.5	191.5	191.5	191.5
2.5°	190.7	191.0	191.4	192.2	193.0	193.5	192.8
5°	182.7	183.9	185.1	186.4	187.7	189.7	192.2
7.5°	173.9	175.5	177.1	179.1	181.1	183.4	186.0
10°	169.3	171.3	173.2	176.4	179.4	183.5	186.6
12.5°	165.4	168.6	171.8	177.9	184.2	192.6	200.4
15°	163.4	169.0	174.5	186.2	197.7	213.0	228.8
17.5°	161.3	170.7	180.3	201.4	222.6	251.7	286.3
20°	160.2	175.4	190.7	225.5	260.2	307.6	360.5
22.5°	161.1	186.0	211.0	264.0	316.9	383.7	447.8
25°	160.8	197.7	234.5	309.5	384.5	474.9	553.3
27.5°	162.9	217.7	272.5	371.7	471.0	577.8	660.9
30°	167.9	241.7	315.6	441.4	567.3	695.4	789.3
32.5°	173.6	268.8	364.1	519.4	674.7	824.5	924.0
35°	181.9	303.2	424.4	608.2	792.1	955.8	1046.9
37.5°	190.1	341.6	493.2	708.7	924.2	1100.1	1184.1
40°	197.9	379.4	560.9	812.7	1064.5	1258.3	1329.3
42.5°	204.9	413.3	621.6	913.6	1205.5	1426.7	1505.7
45°	211.1	442.0	673.0	1024.4	1375.9	1669.1	1824.7
47.5°	216.4	459.5	702.7	1148.4	1594.2	2030.3	2290.2
50°	221.6	467.3	713.0	1267.4	1821.8	2455.0	2906.9
52.5°	219.8	454.4	689.1	1318.5	1948.0	2759.5	3463.8
55°	210.6	424.3	638.0	1293.4	1948.7	2875.2	3818.8
57.5°	203.4	382.3	561.2	1164.9	1768.7	2729.4	3942.3
60°	208.9	317.2	425.5	943.6	1461.6	2428.2	3695.9
62.5°	189.6	252.6	315.6	748.5	1181.3	2068.3	3289.0
65°	163.1	192.7	222.3	587.9	953.6	1731.5	2812.5
67.5°	113.0	126.1	139.2	436.7	734.2	1392.1	2409.8
70°	82.4	90.1	97.7	324.1	550.4	1078.1	1988.5
72.5°	56.9	62.4	67.9	215.5	363.1	743.7	1515.6
75°	39.1	43.1	47.2	135.4	223.6	475.0	1056.0
77.5°	23.9	26.9	30.1	73.7	117.3	248.9	566.4
80°	14.4	16.5	18.6	29.5	40.4	75.5	166.7
82.5°	7.7	8.9	10.1	12.3	14.4	23.0	50.3
85°	2.7	3.3	3.8	4.1	4.4	5.6	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)