

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: P1208371

Luminaire Tested: UPW-SA1-060-750-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208371
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-SA1-060-750-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 4775 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

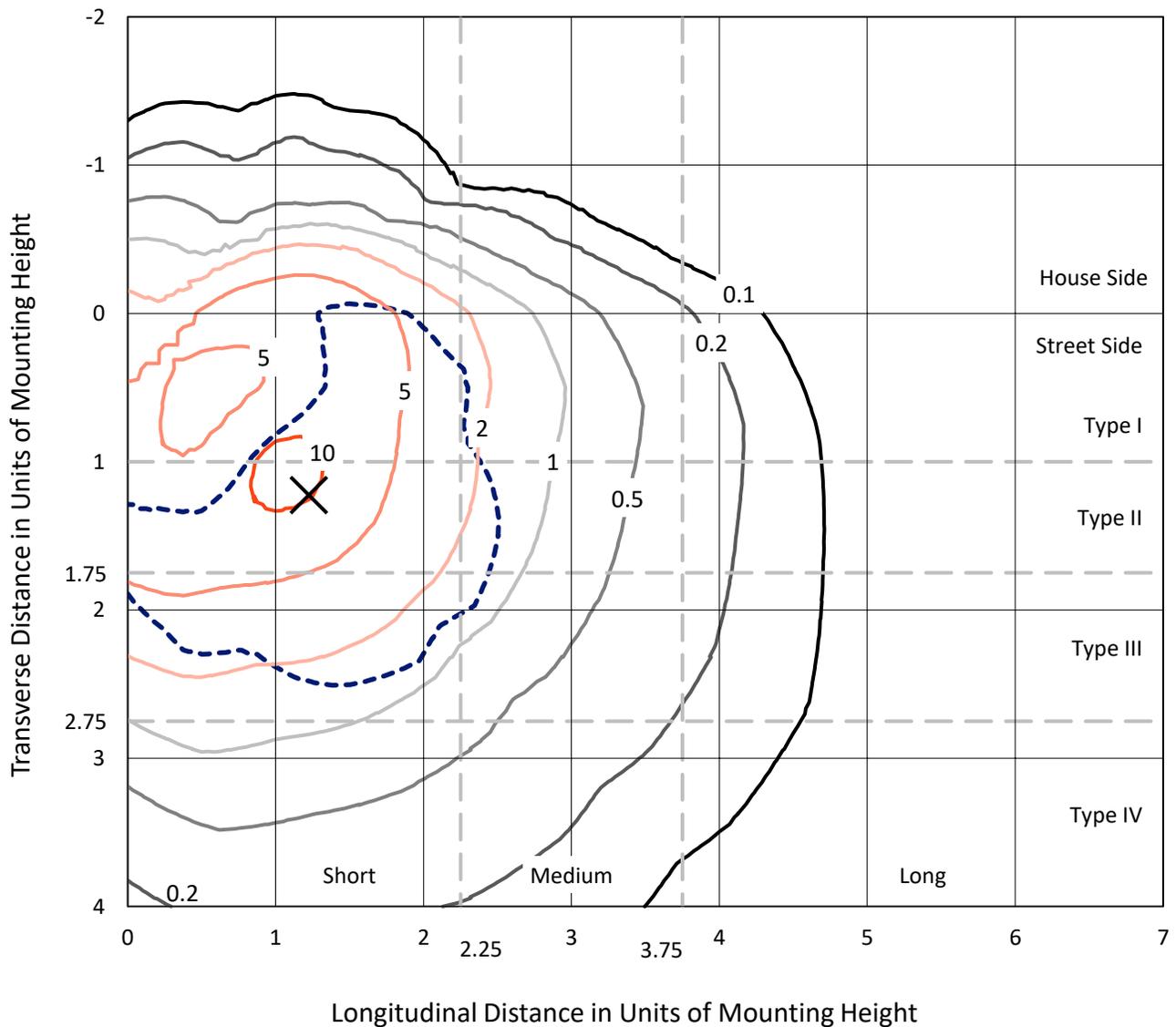
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

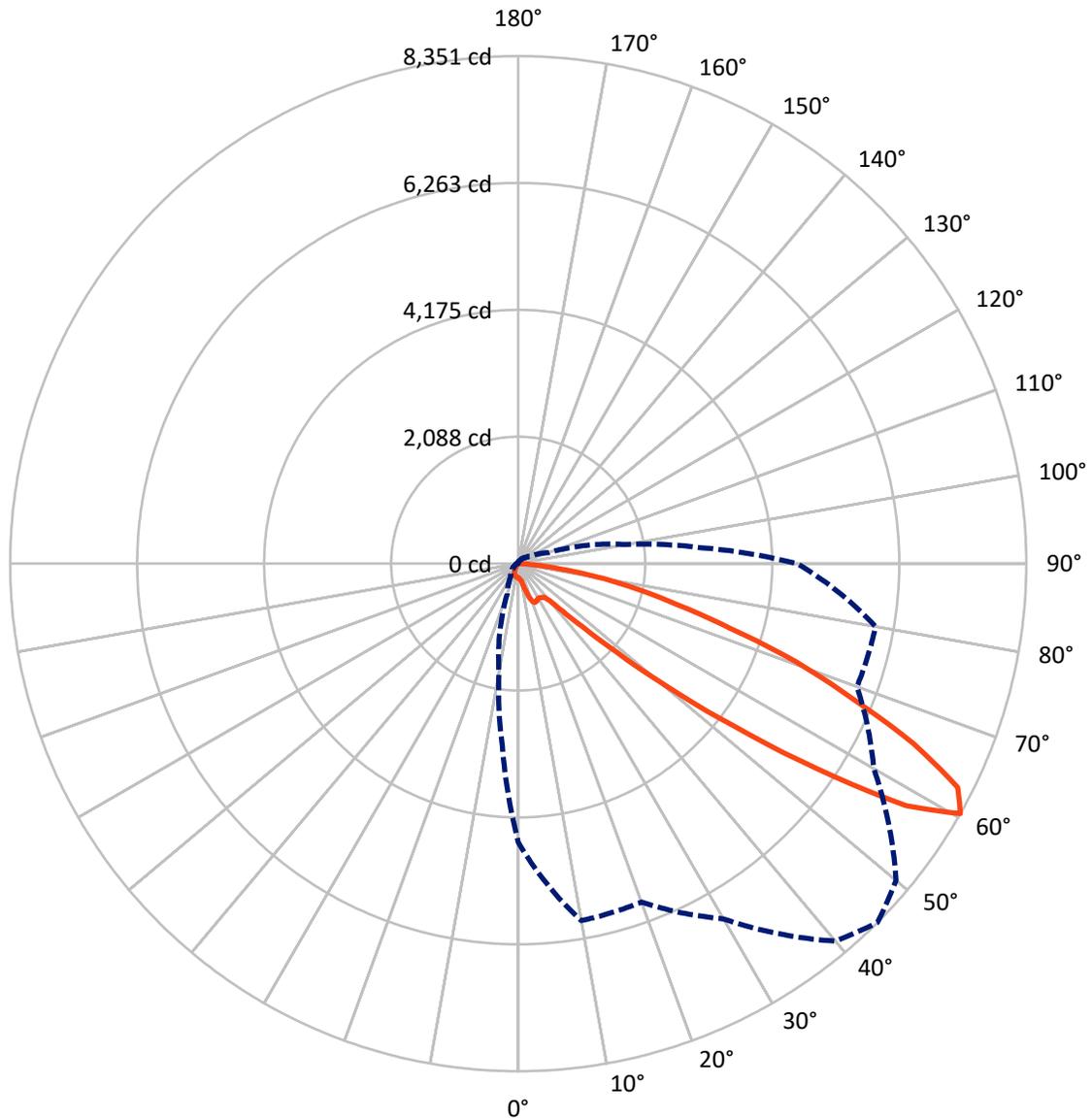
× Max cd
 - - - 1/2 Max cd



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	550.1	0.0	550.1
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	4224.9	0.0	4224.9
	% Fixture	88.5	0.0	88.5
Total	Lumens	4775.0	0.0	4775.0
	% 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°	159.1	3.3
30°-40°	268.1	5.6
40°-50°	541.4	11.3
50°-60°	1392.4	29.2
60°-70°	1513.9	31.7
70°-80°	713.2	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°	4775.0	100.0
0°-180°	4775.0	100.0



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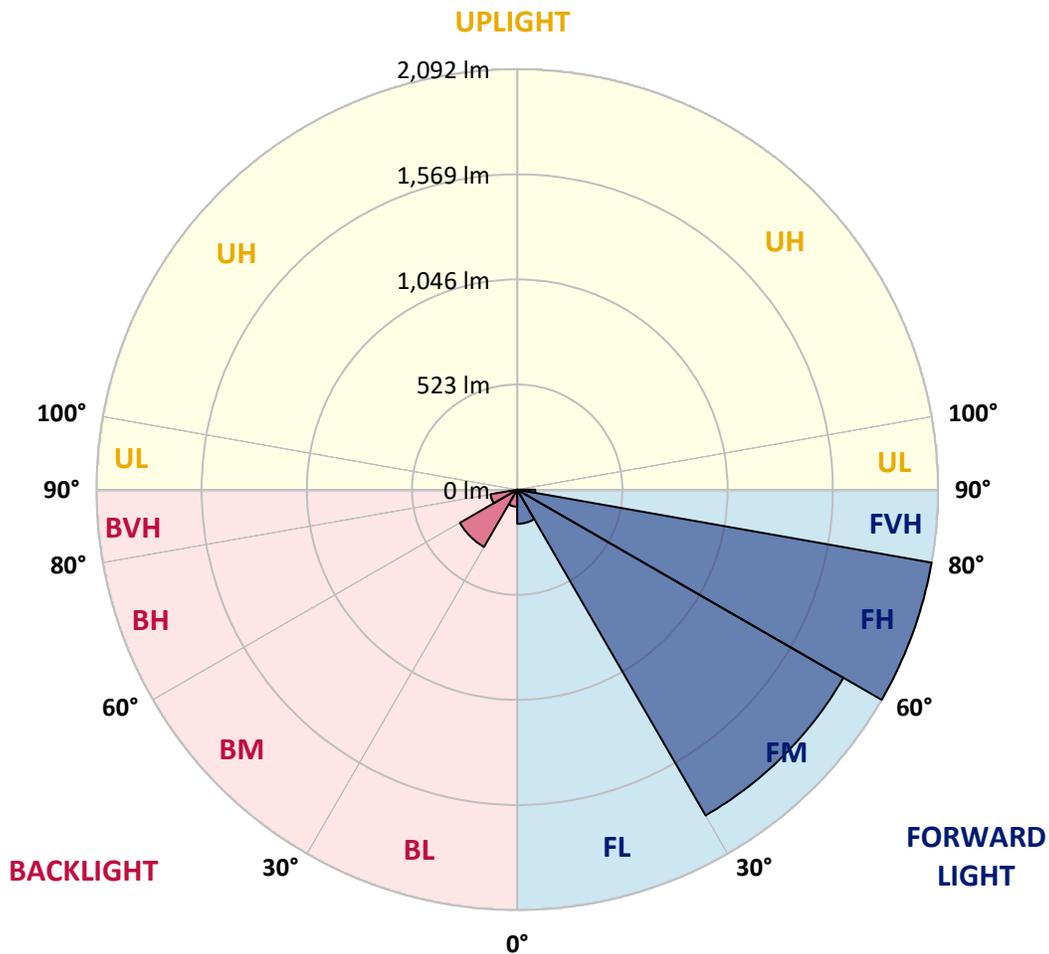
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.9	3.6			
FM	(30°-60°)	1872.6	39.2			
FH	(60°-80°)	2092.4	43.8			G2/5000
FVH	(80°-90°)	89.9	1.9			G1/100
BL	(0°-30°)	84.6	1.8	B0/110		
BM	(30°-60°)	329.3	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°	239.1	239.8	240.6	241.6	242.8	243.2	243.8	244.0	244.3	242.3	244.3
5°	238.3	240.3	242.3	244.8	247.2	248.5	249.8	250.5	251.1	252.9	251.1
7.5°	230.6	235.8	240.9	245.6	250.3	253.9	257.6	260.7	263.7	265.9	263.7
10°	231.4	240.8	250.3	259.4	268.7	275.7	282.9	287.7	292.4	295.0	292.4
12.5°	248.4	263.7	279.0	294.4	309.8	324.3	338.8	348.4	358.1	364.7	358.1
15°	283.7	312.5	341.2	368.1	395.1	417.6	440.1	452.0	463.9	465.2	463.9
17.5°	355.0	397.1	439.1	474.9	510.6	534.5	558.4	569.9	581.3	584.4	581.3
20°	447.0	499.9	552.8	586.5	620.2	636.3	652.3	658.3	664.3	660.6	664.3
22.5°	555.2	611.3	667.5	690.6	713.7	712.1	710.7	705.6	700.6	692.2	700.6
25°	686.1	732.7	779.3	774.5	769.6	749.8	730.1	713.4	696.7	688.9	696.7
27.5°	819.4	844.6	869.9	835.3	800.8	763.2	725.6	703.3	680.9	667.1	680.9
30°	978.7	962.4	946.0	884.6	823.1	775.5	727.8	701.4	675.0	659.0	675.0
32.5°	1145.7	1088.1	1030.6	943.0	855.3	799.9	744.5	713.9	683.3	663.8	683.3
35°	1298.0	1203.7	1109.4	998.4	887.4	827.7	768.2	732.9	697.7	682.5	697.7
37.5°	1468.3	1326.1	1184.0	1049.3	914.7	849.6	784.6	752.2	719.8	703.5	719.8
40°	1648.2	1461.4	1274.5	1117.2	959.8	902.6	845.4	824.1	802.9	798.4	802.9
42.5°	1867.0	1637.6	1408.0	1239.8	1071.5	1044.4	1017.4	1024.6	1031.7	1061.0	1031.7
45°	2262.6	1982.2	1701.9	1511.9	1322.0	1332.0	1342.1	1397.3	1452.5	1484.9	1452.5
47.5°	2839.7	2534.8	2229.9	1987.5	1745.1	1812.5	1880.0	2014.1	2148.2	2177.1	2148.2
50°	3604.4	3280.3	2956.1	2653.6	2350.9	2493.2	2635.4	2891.7	3147.9	3190.2	3147.9
52.5°	4294.9	4045.0	3795.0	3441.0	3086.9	3328.4	3569.9	3946.1	4322.3	4437.6	4322.3
55°	4735.1	4816.8	4898.4	4526.8	4155.1	4449.7	4744.1	5239.9	5735.6	5956.5	5735.6
57.5°	4888.3	5371.0	5853.7	5593.5	5333.2	5637.2	5941.1	6553.7	7166.3	7515.1	7166.3
60°	4582.7	5273.6	5964.5	5944.0	5923.7	6336.2	6748.6	7427.9	8107.3	8350.8	8107.3
62.5°	4078.1	4647.9	5217.7	5321.2	5424.8	6005.9	6586.9	7221.4	7855.9	8105.2	7855.9
65°	3487.3	3997.0	4506.7	4586.7	4666.8	5287.2	5907.7	6480.8	7053.8	7138.3	7053.8
67.5°	2988.0	3503.9	4019.8	4070.1	4120.5	4648.3	5176.1	5601.0	6025.9	5921.7	6025.9
70°	2465.6	3011.2	3556.7	3640.1	3723.5	4097.2	4470.8	4719.2	4967.5	4842.1	4967.5
72.5°	1879.2	2431.7	2984.3	3061.3	3138.3	3397.8	3657.2	3780.1	3902.8	3655.4	3902.8
75°	1309.4	1784.3	2259.1	2360.2	2461.4	2643.3	2825.3	2874.8	2924.2	2695.8	2924.2
77.5°	702.3	1020.6	1339.0	1518.2	1697.4	1894.7	2092.0	2115.5	2139.0	1987.4	2139.0
80°	206.7	352.6	498.5	709.1	919.8	1156.8	1393.9	1405.4	1416.8	1304.1	1416.8
82.5°	62.4	125.7	189.0	335.6	482.1	654.4	826.7	810.5	794.2	680.0	794.2
85°	13.8	43.8	73.8	162.9	252.1	330.8	409.5	377.5	345.4	280.4	345.4
87.5°	2.0	12.1	22.0	58.0	94.0	113.5	132.9	108.5	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°	244.0	243.8	243.2	242.8	241.6	240.6	239.8	239.1	239.9	239.3	238.3
5°	250.5	249.8	248.5	247.2	244.8	242.3	240.3	238.3	235.2	232.8	231.2
7.5°	260.7	257.6	253.9	250.3	245.6	240.9	235.8	230.6	227.4	224.5	222.1
10°	287.7	282.9	275.7	268.7	259.4	250.3	240.8	231.4	227.5	222.5	218.7
12.5°	348.4	338.8	324.3	309.8	294.4	279.0	263.7	248.4	238.9	228.4	220.6
15°	452.0	440.1	417.6	395.1	368.1	341.2	312.5	283.7	264.1	245.2	230.8
17.5°	569.9	558.4	534.5	510.6	474.9	439.1	397.1	355.0	312.1	276.0	249.7
20°	658.3	652.3	636.3	620.2	586.5	552.8	499.9	447.0	381.4	322.6	279.5
22.5°	705.6	710.7	712.1	713.7	690.6	667.5	611.3	555.2	475.8	392.9	327.3
25°	713.4	730.1	749.8	769.6	774.5	779.3	732.7	686.1	588.8	476.7	383.8
27.5°	703.3	725.6	763.2	800.8	835.3	869.9	844.6	819.4	716.4	584.0	460.9
30°	701.4	727.8	775.5	823.1	884.6	946.0	962.4	978.7	862.3	703.4	547.3
32.5°	713.9	744.5	799.9	855.3	943.0	1030.6	1088.1	1145.7	1022.3	836.6	644.0
35°	732.9	768.2	827.7	887.4	998.4	1109.4	1203.7	1298.0	1185.1	982.2	754.2
37.5°	752.2	784.6	849.6	914.7	1049.3	1184.0	1326.1	1468.3	1364.0	1145.9	878.7
40°	824.1	845.4	902.6	959.8	1117.2	1274.5	1461.4	1648.2	1560.3	1319.9	1007.6
42.5°	1024.6	1017.4	1044.4	1071.5	1239.8	1408.0	1637.6	1867.0	1769.0	1494.8	1132.8
45°	1397.3	1342.1	1332.0	1322.0	1511.9	1701.9	1982.2	2262.6	2069.6	1706.0	1270.2
47.5°	2014.1	1880.0	1812.5	1745.1	1987.5	2229.9	2534.8	2839.7	2517.5	1976.7	1424.0
50°	2891.7	2635.4	2493.2	2350.9	2653.6	2956.1	3280.3	3604.4	3044.1	2258.9	1571.5
52.5°	3946.1	3569.9	3328.4	3086.9	3441.0	3795.0	4045.0	4294.9	3421.6	2415.4	1634.9
55°	5239.9	4744.1	4449.7	4155.1	4526.8	4898.4	4816.8	4735.1	3565.1	2416.3	1603.7
57.5°	6553.7	5941.1	5637.2	5333.2	5593.5	5853.7	5371.0	4888.3	3384.3	2193.1	1444.4
60°	7427.9	6748.6	6336.2	5923.7	5944.0	5964.5	5273.6	4582.7	3010.8	1812.3	1170.0
62.5°	7221.4	6586.9	6005.9	5424.8	5321.2	5217.7	4647.9	4078.1	2564.6	1464.8	928.0
65°	6480.8	5907.7	5287.2	4666.8	4586.7	4506.7	3997.0	3487.3	2147.0	1182.4	729.0
67.5°	5601.0	5176.1	4648.3	4120.5	4070.1	4019.8	3503.9	2988.0	1726.1	910.4	541.5
70°	4719.2	4470.8	4097.2	3723.5	3640.1	3556.7	3011.2	2465.6	1336.8	682.5	401.9
72.5°	3780.1	3657.2	3397.8	3138.3	3061.3	2984.3	2431.7	1879.2	922.1	450.2	267.1
75°	2874.8	2825.3	2643.3	2461.4	2360.2	2259.1	1784.3	1309.4	588.9	277.2	167.9
77.5°	2115.5	2092.0	1894.7	1697.4	1518.2	1339.0	1020.6	702.3	308.6	145.5	91.4
80°	1405.4	1393.9	1156.8	919.8	709.1	498.5	352.6	206.7	93.6	50.1	36.6
82.5°	810.5	826.7	654.4	482.1	335.6	189.0	125.7	62.4	28.5	17.8	15.2
85°	377.5	409.5	330.8	252.1	162.9	73.8	43.8	13.8	7.0	5.5	5.0
87.5°	108.5	132.9	113.5	94.0	58.0	22.0	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°	237.3	236.8	236.5	236.2	235.9	235.1	234.7	235.0	235.2	234.9	234.4
5°	229.5	228.1	226.5	224.9	223.3	222.1	220.1	220.1	220.1	220.6	221.3
7.5°	219.7	217.6	215.6	214.1	212.8	212.0	211.7	210.2	209.0	209.0	209.0
10°	214.8	212.4	209.9	207.7	205.5	203.4	203.8	203.0	202.0	201.4	200.8
12.5°	213.0	209.0	205.1	202.6	200.2	198.6	197.6	196.4	195.2	194.4	193.7
15°	216.4	209.5	202.6	199.5	196.3	193.7	190.3	189.6	188.9	188.0	187.1
17.5°	223.5	211.7	200.0	195.7	191.4	188.4	186.6	184.6	182.8	181.2	179.5
20°	236.5	217.5	198.6	192.7	186.8	184.0	181.1	178.6	176.0	173.9	171.7
22.5°	261.6	230.7	199.8	190.6	181.6	177.5	172.8	170.5	168.4	165.8	163.1
25°	290.8	245.1	199.4	186.6	173.9	169.4	166.8	163.6	160.5	157.6	154.6
27.5°	337.8	269.9	202.0	184.6	167.1	161.7	158.9	155.9	153.0	149.9	146.9
30°	391.3	299.7	208.1	184.3	160.5	153.6	151.1	148.5	145.9	142.7	139.6
32.5°	451.5	333.3	215.2	185.4	155.6	148.3	143.6	140.7	137.8	135.0	132.1
35°	526.2	375.9	225.5	186.3	147.1	139.0	135.0	132.6	130.1	126.9	123.8
37.5°	611.5	423.6	235.7	187.1	138.6	129.7	127.1	125.1	123.2	119.9	116.6
40°	695.4	470.4	245.4	188.5	131.7	122.0	118.8	117.4	116.1	112.8	109.6
42.5°	770.8	512.4	254.1	191.0	127.9	112.7	111.1	109.3	107.6	104.6	101.5
45°	834.4	548.1	261.8	195.7	129.5	104.6	101.8	100.3	98.7	96.6	94.7
47.5°	871.3	569.8	268.3	202.7	137.1	99.3	91.3	90.3	89.3	88.8	88.2
50°	884.1	579.4	274.8	213.2	151.7	104.6	88.3	85.0	81.7	81.7	81.7
52.5°	854.5	563.5	272.5	219.8	167.1	122.4	93.3	83.6	73.9	73.8	73.6
55°	791.1	526.1	261.1	220.6	180.1	147.1	105.4	86.6	67.7	66.0	64.2
57.5°	695.8	474.1	252.2	213.6	174.9	156.8	115.3	89.8	64.2	59.3	54.5
60°	527.6	393.3	259.0	207.2	155.5	141.0	113.0	88.3	63.9	55.1	46.4
62.5°	391.3	313.2	235.1	184.5	133.9	111.9	100.9	83.1	65.2	53.0	40.7
65°	275.6	238.9	202.2	164.4	126.4	87.9	83.3	73.6	63.9	50.6	37.3
67.5°	172.6	156.3	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	66.1	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	233.0	233.6	234.2	233.5	232.8	232.9	233.0	232.2	231.4	230.5
5°	221.4	221.4	222.4	223.3	223.6	223.9	224.2	224.5	224.7	224.9	225.0
7.5°	209.1	209.3	209.8	210.3	211.1	211.7	213.5	215.2	216.1	217.1	218.1
10°	200.4	200.0	201.7	203.4	203.9	204.4	206.5	208.5	209.6	210.7	211.6
12.5°	192.9	192.1	192.9	193.7	195.3	196.8	199.7	202.6	204.9	207.1	207.6
15°	186.3	185.4	186.1	186.8	187.6	188.4	191.4	194.4	196.9	199.4	200.6
17.5°	178.2	176.7	176.0	175.5	178.2	180.7	183.3	185.8	188.4	191.1	193.4
20°	169.9	168.2	167.8	167.4	168.5	169.6	172.8	176.0	179.3	182.5	183.6
22.5°	160.6	158.2	157.6	156.8	157.4	158.1	159.7	161.3	163.7	166.2	167.9
25°	152.1	149.5	147.5	145.5	145.6	145.7	146.6	147.5	148.4	149.3	150.4
27.5°	143.9	141.0	138.4	135.8	134.7	133.7	132.8	132.0	131.7	131.5	131.3
30°	136.1	132.5	129.7	126.8	123.9	120.9	119.1	117.1	115.1	113.1	111.5
32.5°	128.7	125.2	120.1	115.1	112.0	109.0	105.4	102.0	98.2	94.7	92.2
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	89.6	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	82.8	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	16.0	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	22.0	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°	229.5	229.4	229.5	230.5	231.4	232.2	233.0	232.9	232.8	233.5	234.2
5°	225.2	225.3	225.2	225.0	224.9	224.7	224.5	224.2	223.9	223.6	223.3
7.5°	219.2	221.3	219.2	218.1	217.1	216.1	215.2	213.5	211.7	211.1	210.3
10°	212.5	214.0	212.5	211.6	210.7	209.6	208.5	206.5	204.4	203.9	203.4
12.5°	208.1	208.3	208.1	207.6	207.1	204.9	202.6	199.7	196.8	195.3	193.7
15°	201.8	202.6	201.8	200.6	199.4	196.9	194.4	191.4	188.4	187.6	186.8
17.5°	195.7	197.0	195.7	193.4	191.1	188.4	185.8	183.3	180.7	178.2	175.5
20°	184.6	184.0	184.6	183.6	182.5	179.3	176.0	172.8	169.6	168.5	167.4
22.5°	169.8	171.8	169.8	167.9	166.2	163.7	161.3	159.7	158.1	157.4	156.8
25°	151.4	152.4	151.4	150.4	149.3	148.4	147.5	146.6	145.7	145.6	145.5
27.5°	131.1	130.5	131.1	131.3	131.5	131.7	132.0	132.8	133.7	134.7	135.8
30°	110.1	109.4	110.1	111.5	113.1	115.1	117.1	119.1	120.9	123.9	126.8
32.5°	89.8	88.3	89.8	92.2	94.7	98.2	102.0	105.4	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	89.6	96.9
40°	41.7	40.5	41.7	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	16.0	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	233.0	233.8	234.4	234.9	235.2	235.0	234.7	235.1	235.9	236.2
5°	222.4	221.4	221.4	221.3	220.6	220.1	220.1	220.1	222.1	223.3	224.9
7.5°	209.8	209.3	209.1	209.0	209.0	209.0	210.2	211.7	212.0	212.8	214.1
10°	201.7	200.0	200.4	200.8	201.4	202.0	203.0	203.8	203.4	205.5	207.7
12.5°	192.9	192.1	192.9	193.7	194.4	195.2	196.4	197.6	198.6	200.2	202.6
15°	186.1	185.4	186.3	187.1	188.0	188.9	189.6	190.3	193.7	196.3	199.5
17.5°	176.0	176.7	178.2	179.5	181.2	182.8	184.6	186.6	188.4	191.4	195.7
20°	167.8	168.2	169.9	171.7	173.9	176.0	178.6	181.1	184.0	186.8	192.7
22.5°	157.6	158.2	160.6	163.1	165.8	168.4	170.5	172.8	177.5	181.6	190.6
25°	147.5	149.5	152.1	154.6	157.6	160.5	163.6	166.8	169.4	173.9	186.6
27.5°	138.4	141.0	143.9	146.9	149.9	153.0	155.9	158.9	161.7	167.1	184.6
30°	129.7	132.5	136.1	139.6	142.7	145.9	148.5	151.1	153.6	160.5	184.3
32.5°	120.1	125.2	128.7	132.1	135.0	137.8	140.7	143.6	148.3	155.6	185.4
35°	111.4	116.1	120.0	123.8	126.9	130.1	132.6	135.0	139.0	147.1	186.3
37.5°	102.0	107.0	111.8	116.6	119.9	123.2	125.1	127.1	129.7	138.6	187.1
40°	91.6	98.5	104.1	109.6	112.8	116.1	117.4	118.8	122.0	131.7	188.5
42.5°	82.8	90.8	96.1	101.5	104.6	107.6	109.3	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	137.1	202.7
50°	58.8	68.5	75.1	81.7	81.7	81.7	85.0	88.3	104.6	151.7	213.2
52.5°	52.5	62.0	67.8	73.6	73.8	73.9	83.6	93.3	122.4	167.1	219.8
55°	46.0	53.9	59.1	64.2	66.0	67.7	86.6	105.4	147.1	180.1	220.6
57.5°	39.1	45.8	50.2	54.5	59.3	64.2	89.8	115.3	156.8	174.9	213.6
60°	32.8	38.5	42.5	46.4	55.1	63.9	88.3	113.0	141.0	155.5	207.2
62.5°	27.1	32.6	36.6	40.7	53.0	65.2	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	87.9	126.4	164.4
67.5°	17.5	22.0	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	66.1
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°	236.5	236.8	237.3	238.3	239.3	239.9	239.1
5°	226.5	228.1	229.5	231.2	232.8	235.2	238.3
7.5°	215.6	217.6	219.7	222.1	224.5	227.4	230.6
10°	209.9	212.4	214.8	218.7	222.5	227.5	231.4
12.5°	205.1	209.0	213.0	220.6	228.4	238.9	248.4
15°	202.6	209.5	216.4	230.8	245.2	264.1	283.7
17.5°	200.0	211.7	223.5	249.7	276.0	312.1	355.0
20°	198.6	217.5	236.5	279.5	322.6	381.4	447.0
22.5°	199.8	230.7	261.6	327.3	392.9	475.8	555.2
25°	199.4	245.1	290.8	383.8	476.7	588.8	686.1
27.5°	202.0	269.9	337.8	460.9	584.0	716.4	819.4
30°	208.1	299.7	391.3	547.3	703.4	862.3	978.7
32.5°	215.2	333.3	451.5	644.0	836.6	1022.3	1145.7
35°	225.5	375.9	526.2	754.2	982.2	1185.1	1298.0
37.5°	235.7	423.6	611.5	878.7	1145.9	1364.0	1468.3
40°	245.4	470.4	695.4	1007.6	1319.9	1560.3	1648.2
42.5°	254.1	512.4	770.8	1132.8	1494.8	1769.0	1867.0
45°	261.8	548.1	834.4	1270.2	1706.0	2069.6	2262.6
47.5°	268.3	569.8	871.3	1424.0	1976.7	2517.5	2839.7
50°	274.8	579.4	884.1	1571.5	2258.9	3044.1	3604.4
52.5°	272.5	563.5	854.5	1634.9	2415.4	3421.6	4294.9
55°	261.1	526.1	791.1	1603.7	2416.3	3565.1	4735.1
57.5°	252.2	474.1	695.8	1444.4	2193.1	3384.3	4888.3
60°	259.0	393.3	527.6	1170.0	1812.3	3010.8	4582.7
62.5°	235.1	313.2	391.3	928.0	1464.8	2564.6	4078.1
65°	202.2	238.9	275.6	729.0	1182.4	2147.0	3487.3
67.5°	140.1	156.3	172.6	541.5	910.4	1726.1	2988.0
70°	102.1	111.7	121.2	401.9	682.5	1336.8	2465.6
72.5°	70.5	77.3	84.1	267.1	450.2	922.1	1879.2
75°	48.5	53.5	58.5	167.9	277.2	588.9	1309.4
77.5°	29.6	33.4	37.3	91.4	145.5	308.6	702.3
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)