

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: P1207939

Luminaire Tested: UPW-SA1-030-827-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207939
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-SA1-030-827-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA 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: 2313 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

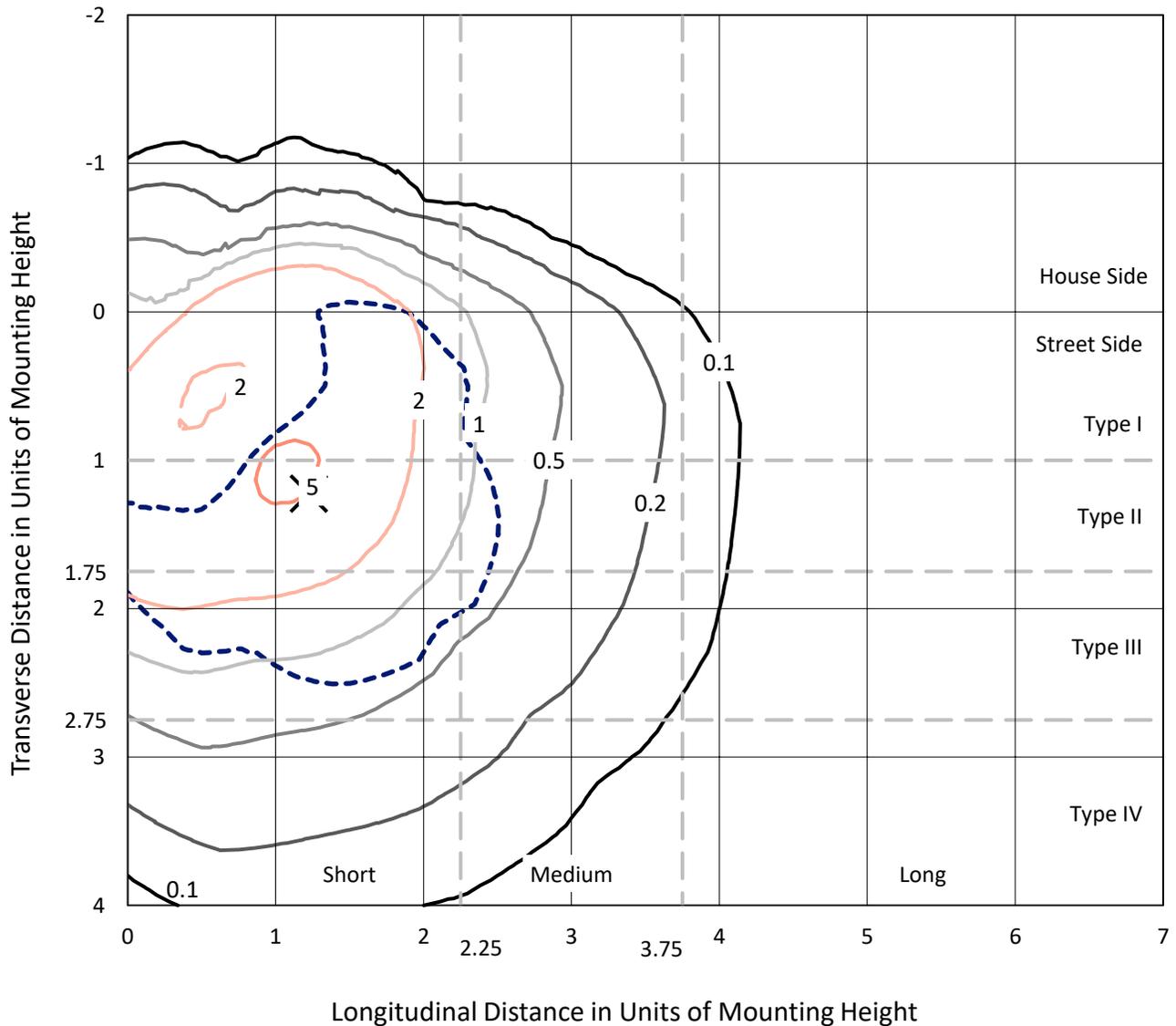
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

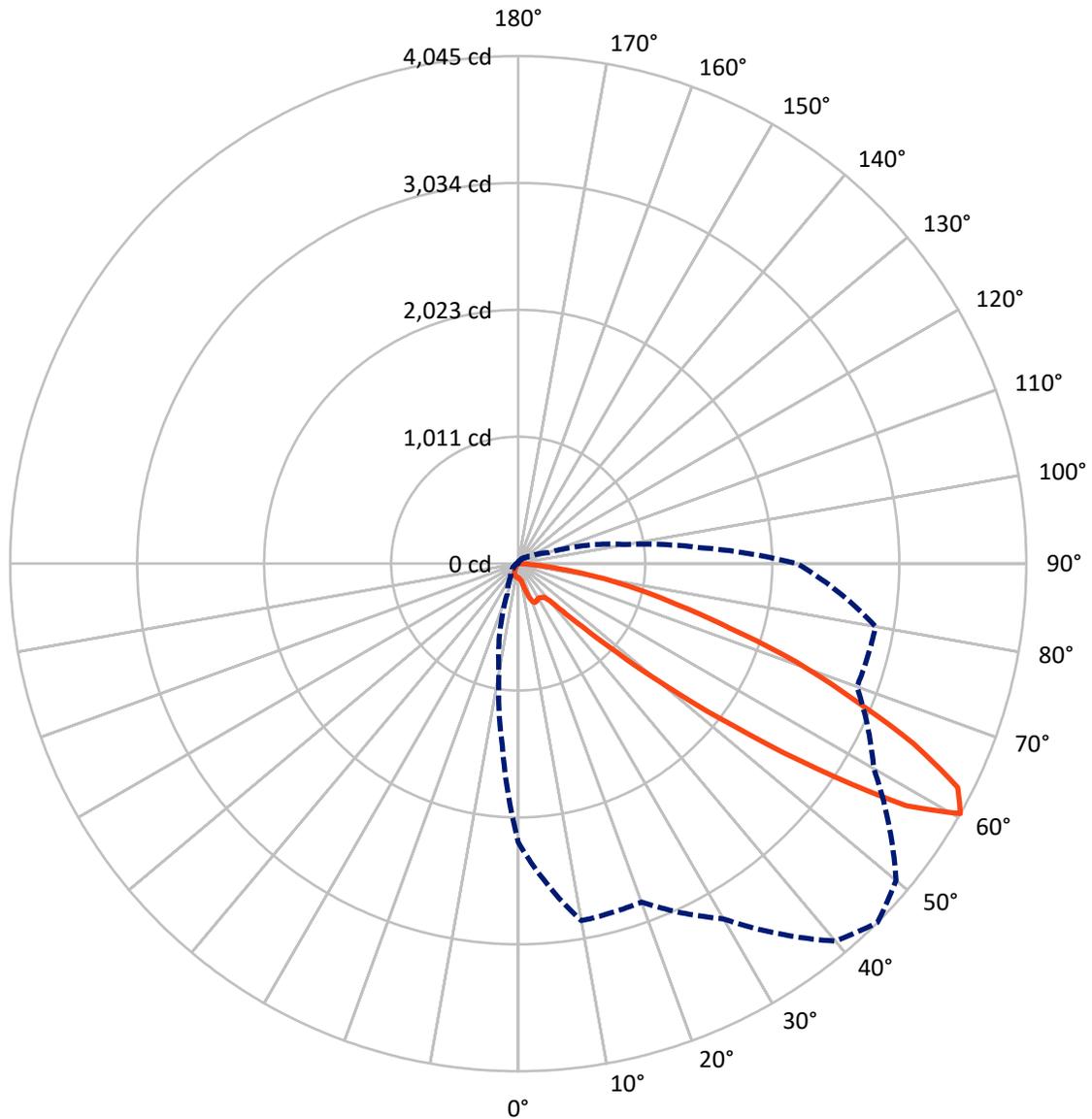
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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	266.5	0.0	266.5
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	2046.5	0.0	2046.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	2313.0	0.0	2313.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	35.7	1.5
20°-30°	77.1	3.3
30°-40°	129.9	5.6
40°-50°	262.2	11.3
50°-60°	674.5	29.2
60°-70°	733.3	31.7
70°-80°	345.5	14.9
80°-90°	44.3	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°	2313.0	100.0
0°-180°	2313.0	100.0



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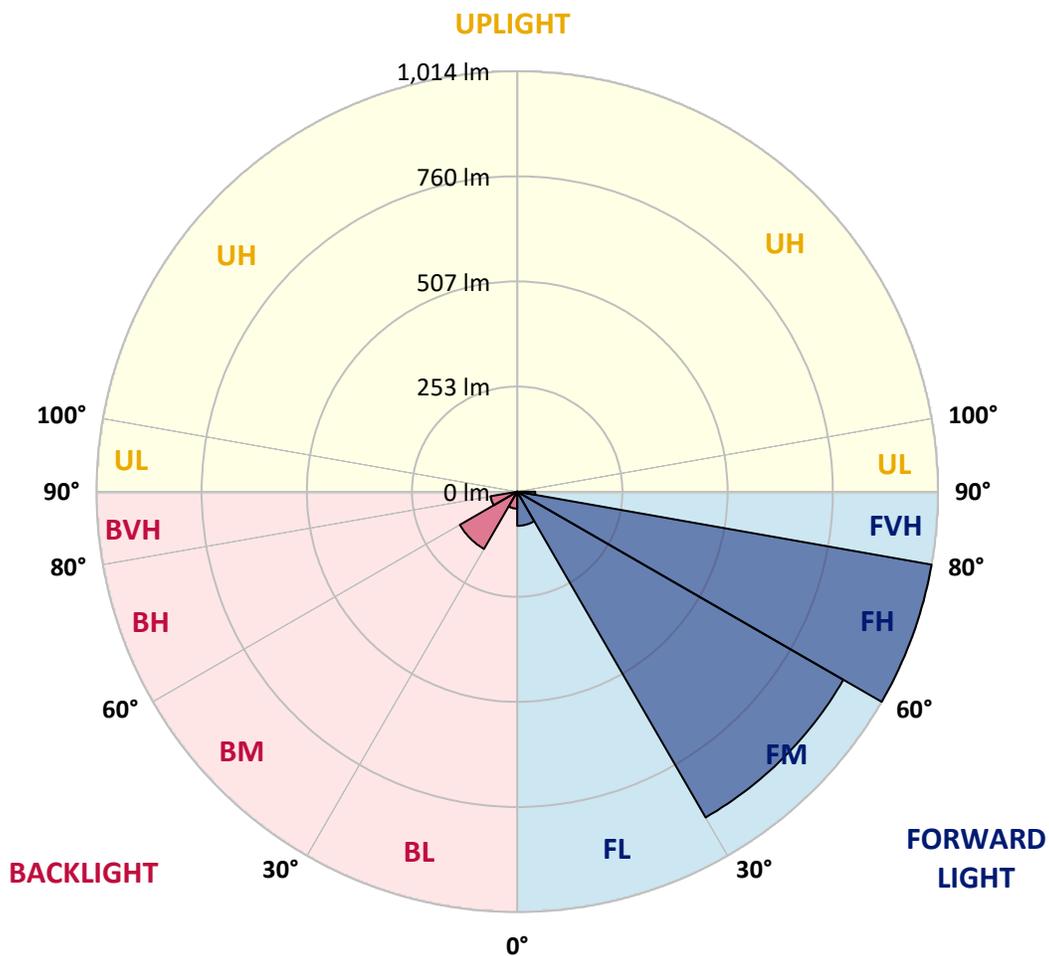
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.3	3.6			
FM	(30°-60°)	907.1	39.2			
FH	(60°-80°)	1013.6	43.8			G1/1800
FVH	(80°-90°)	43.6	1.9			G1/100
BL	(0°-30°)	41.0	1.8	B0/110		
BM	(30°-60°)	159.5	6.9	B0/220		
BH	(60°-80°)	65.2	2.8	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	115.8	116.2	116.5	117.0	117.6	117.8	118.1	118.2	118.3	117.4	118.3
5°	115.4	116.4	117.4	118.6	119.7	120.4	121.0	121.3	121.6	122.5	121.6
7.5°	111.7	114.2	116.7	119.0	121.2	123.0	124.8	126.3	127.8	128.8	127.8
10°	112.1	116.6	121.2	125.7	130.2	133.6	137.0	139.3	141.7	142.9	141.7
12.5°	120.3	127.8	135.1	142.6	150.1	157.1	164.1	168.8	173.5	176.7	173.5
15°	137.4	151.4	165.3	178.3	191.4	202.3	213.2	219.0	224.7	225.4	224.7
17.5°	172.0	192.3	212.7	230.0	247.3	258.9	270.5	276.0	281.6	283.1	281.6
20°	216.5	242.2	267.8	284.1	300.4	308.2	316.0	318.9	321.8	320.0	321.8
22.5°	268.9	296.1	323.3	334.5	345.7	345.0	344.2	341.8	339.4	335.3	339.4
25°	332.3	354.9	377.5	375.1	372.8	363.2	353.7	345.6	337.5	333.7	337.5
27.5°	396.9	409.1	421.4	404.6	387.9	369.7	351.5	340.7	329.8	323.1	329.8
30°	474.1	466.2	458.3	428.5	398.7	375.7	352.6	339.8	327.0	319.2	327.0
32.5°	555.0	527.1	499.2	456.8	414.3	387.5	360.6	345.8	331.0	321.6	331.0
35°	628.8	583.1	537.4	483.6	429.8	400.9	372.1	355.0	338.0	330.6	338.0
37.5°	711.2	642.4	573.5	508.3	443.1	411.5	380.1	364.3	348.7	340.8	348.7
40°	798.4	707.9	617.4	541.2	464.9	437.2	409.5	399.2	388.9	386.7	388.9
42.5°	904.4	793.2	682.0	600.5	519.0	505.9	492.8	496.3	499.8	513.9	499.8
45°	1096.0	960.2	824.4	732.4	640.4	645.2	650.1	676.8	703.6	719.3	703.6
47.5°	1375.5	1227.9	1080.2	962.7	845.3	878.0	910.7	975.6	1040.6	1054.6	1040.6
50°	1746.0	1589.0	1431.9	1285.4	1138.8	1207.7	1276.6	1400.7	1524.8	1545.3	1524.8
52.5°	2080.5	1959.4	1838.3	1666.8	1495.3	1612.3	1729.3	1911.5	2093.7	2149.6	2093.7
55°	2293.7	2333.2	2372.8	2192.8	2012.7	2155.4	2298.1	2538.2	2778.3	2885.3	2778.3
57.5°	2367.9	2601.7	2835.5	2709.5	2583.4	2730.6	2877.9	3174.6	3471.3	3640.3	3471.3
60°	2219.8	2554.5	2889.2	2879.3	2869.4	3069.2	3269.0	3598.1	3927.2	4045.1	3927.2
62.5°	1975.4	2251.4	2527.5	2577.6	2627.8	2909.2	3190.7	3498.0	3805.4	3926.1	3805.4
65°	1689.2	1936.1	2183.0	2221.8	2260.6	2561.1	2861.7	3139.3	3416.8	3457.8	3416.8
67.5°	1447.4	1697.3	1947.2	1971.6	1996.0	2251.6	2507.3	2713.1	2918.9	2868.4	2918.9
70°	1194.3	1458.6	1722.9	1763.3	1803.7	1984.7	2165.7	2286.0	2406.3	2345.5	2406.3
72.5°	910.3	1177.9	1445.6	1482.9	1520.2	1645.9	1771.6	1831.1	1890.5	1770.7	1890.5
75°	634.3	864.3	1094.3	1143.3	1192.3	1280.4	1368.6	1392.5	1416.5	1305.8	1416.5
77.5°	340.2	494.4	648.6	735.4	822.2	917.8	1013.3	1024.7	1036.1	962.7	1036.1
80°	100.1	170.8	241.5	343.5	445.5	560.3	675.2	680.8	686.3	631.7	686.3
82.5°	30.2	60.9	91.6	162.5	233.5	317.0	400.5	392.6	384.7	329.4	384.7
85°	6.7	21.2	35.7	78.9	122.1	160.2	198.3	182.8	167.3	135.8	167.3
87.5°	1.0	5.8	10.7	28.1	45.5	55.0	64.4	52.6	40.8	36.9	40.8
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°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	118.2	118.1	117.8	117.6	117.0	116.5	116.2	115.8	116.2	115.9	115.4
5°	121.3	121.0	120.4	119.7	118.6	117.4	116.4	115.4	113.9	112.8	112.0
7.5°	126.3	124.8	123.0	121.2	119.0	116.7	114.2	111.7	110.2	108.8	107.6
10°	139.3	137.0	133.6	130.2	125.7	121.2	116.6	112.1	110.2	107.8	105.9
12.5°	168.8	164.1	157.1	150.1	142.6	135.1	127.8	120.3	115.7	110.6	106.9
15°	219.0	213.2	202.3	191.4	178.3	165.3	151.4	137.4	127.9	118.8	111.8
17.5°	276.0	270.5	258.9	247.3	230.0	212.7	192.3	172.0	151.2	133.7	121.0
20°	318.9	316.0	308.2	300.4	284.1	267.8	242.2	216.5	184.8	156.3	135.4
22.5°	341.8	344.2	345.0	345.7	334.5	323.3	296.1	268.9	230.5	190.3	158.5
25°	345.6	353.7	363.2	372.8	375.1	377.5	354.9	332.3	285.2	230.9	185.9
27.5°	340.7	351.5	369.7	387.9	404.6	421.4	409.1	396.9	347.0	282.9	223.2
30°	339.8	352.6	375.7	398.7	428.5	458.3	466.2	474.1	417.7	340.7	265.1
32.5°	345.8	360.6	387.5	414.3	456.8	499.2	527.1	555.0	495.2	405.3	312.0
35°	355.0	372.1	400.9	429.8	483.6	537.4	583.1	628.8	574.1	475.8	365.3
37.5°	364.3	380.1	411.5	443.1	508.3	573.5	642.4	711.2	660.7	555.1	425.6
40°	399.2	409.5	437.2	464.9	541.2	617.4	707.9	798.4	755.8	639.4	488.1
42.5°	496.3	492.8	505.9	519.0	600.5	682.0	793.2	904.4	856.9	724.1	548.7
45°	676.8	650.1	645.2	640.4	732.4	824.4	960.2	1096.0	1002.5	826.4	615.3
47.5°	975.6	910.7	878.0	845.3	962.7	1080.2	1227.9	1375.5	1219.5	957.5	689.8
50°	1400.7	1276.6	1207.7	1138.8	1285.4	1431.9	1589.0	1746.0	1474.5	1094.2	761.2
52.5°	1911.5	1729.3	1612.3	1495.3	1666.8	1838.3	1959.4	2080.5	1657.4	1170.0	791.9
55°	2538.2	2298.1	2155.4	2012.7	2192.8	2372.8	2333.2	2293.7	1726.9	1170.5	776.8
57.5°	3174.6	2877.9	2730.6	2583.4	2709.5	2835.5	2601.7	2367.9	1639.4	1062.3	699.7
60°	3598.1	3269.0	3069.2	2869.4	2879.3	2889.2	2554.5	2219.8	1458.4	877.9	566.7
62.5°	3498.0	3190.7	2909.2	2627.8	2577.6	2527.5	2251.4	1975.4	1242.3	709.5	449.5
65°	3139.3	2861.7	2561.1	2260.6	2221.8	2183.0	1936.1	1689.2	1040.0	572.7	353.1
67.5°	2713.1	2507.3	2251.6	1996.0	1971.6	1947.2	1697.3	1447.4	836.1	441.0	262.3
70°	2286.0	2165.7	1984.7	1803.7	1763.3	1722.9	1458.6	1194.3	647.5	330.6	194.7
72.5°	1831.1	1771.6	1645.9	1520.2	1482.9	1445.6	1177.9	910.3	446.7	218.1	129.4
75°	1392.5	1368.6	1280.4	1192.3	1143.3	1094.3	864.3	634.3	285.3	134.3	81.3
77.5°	1024.7	1013.3	917.8	822.2	735.4	648.6	494.4	340.2	149.5	70.5	44.3
80°	680.8	675.2	560.3	445.5	343.5	241.5	170.8	100.1	45.3	24.3	17.7
82.5°	392.6	400.5	317.0	233.5	162.5	91.6	60.9	30.2	13.8	8.6	7.4
85°	182.8	198.3	160.2	122.1	78.9	35.7	21.2	6.7	3.4	2.7	2.4
87.5°	52.6	64.4	55.0	45.5	28.1	10.7	5.8	1.0	0.2	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°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	115.0	114.7	114.6	114.4	114.3	113.9	113.7	113.8	113.9	113.8	113.5
5°	111.2	110.5	109.7	109.0	108.2	107.6	106.6	106.6	106.6	106.9	107.2
7.5°	106.4	105.4	104.4	103.7	103.1	102.7	102.6	101.8	101.2	101.2	101.2
10°	104.0	102.9	101.7	100.6	99.5	98.5	98.7	98.3	97.8	97.6	97.3
12.5°	103.2	101.3	99.3	98.2	97.0	96.2	95.7	95.1	94.5	94.2	93.8
15°	104.8	101.5	98.2	96.6	95.1	93.8	92.2	91.8	91.5	91.0	90.6
17.5°	108.3	102.6	96.9	94.8	92.7	91.3	90.4	89.4	88.5	87.7	87.0
20°	114.6	105.4	96.2	93.4	90.5	89.1	87.7	86.5	85.3	84.2	83.2
22.5°	126.7	111.7	96.8	92.3	87.9	86.0	83.7	82.6	81.6	80.3	79.0
25°	140.9	118.7	96.6	90.4	84.2	82.1	80.8	79.3	77.7	76.3	74.9
27.5°	163.6	130.7	97.8	89.4	81.0	78.3	77.0	75.5	74.1	72.6	71.1
30°	189.6	145.2	100.8	89.3	77.7	74.4	73.2	71.9	70.7	69.1	67.6
32.5°	218.7	161.4	104.2	89.8	75.4	71.8	69.6	68.2	66.7	65.4	64.0
35°	254.9	182.1	109.2	90.3	71.3	67.3	65.4	64.2	63.0	61.5	60.0
37.5°	296.2	205.2	114.2	90.7	67.1	62.8	61.6	60.6	59.7	58.1	56.5
40°	336.9	227.9	118.9	91.3	63.8	59.1	57.6	56.9	56.2	54.7	53.1
42.5°	373.4	248.2	123.1	92.5	62.0	54.6	53.8	53.0	52.1	50.6	49.2
45°	404.2	265.5	126.8	94.8	62.7	50.6	49.3	48.6	47.8	46.8	45.9
47.5°	422.1	276.0	130.0	98.2	66.4	48.1	44.2	43.7	43.3	43.0	42.7
50°	428.3	280.7	133.1	103.3	73.5	50.6	42.8	41.2	39.6	39.6	39.6
52.5°	413.9	272.9	132.0	106.5	81.0	59.3	45.2	40.5	35.8	35.7	35.6
55°	383.2	254.8	126.5	106.9	87.2	71.3	51.1	41.9	32.8	32.0	31.1
57.5°	337.1	229.6	122.2	103.5	84.7	76.0	55.8	43.5	31.1	28.7	26.4
60°	255.6	190.5	125.4	100.4	75.3	68.3	54.7	42.8	30.9	26.7	22.5
62.5°	189.6	151.7	113.9	89.4	64.9	54.2	48.9	40.2	31.6	25.7	19.7
65°	133.5	115.7	98.0	79.6	61.2	42.6	40.4	35.6	30.9	24.5	18.1
67.5°	83.6	75.7	67.8	59.9	51.9	35.5	31.5	28.1	24.7	20.3	15.9
70°	58.7	54.1	49.5	45.4	41.3	30.0	24.4	21.5	18.6	16.3	14.1
72.5°	40.8	37.5	34.2	32.0	29.9	24.7	18.9	16.3	13.7	12.3	10.9
75°	28.3	25.9	23.5	21.6	19.6	16.3	12.3	10.4	8.6	7.8	7.1
77.5°	18.1	16.2	14.3	12.7	11.1	10.2	7.7	6.6	5.5	5.3	5.0
80°	11.2	9.9	8.6	7.4	6.1	5.7	3.9	3.5	3.1	3.1	3.1
82.5°	6.1	5.3	4.6	3.7	2.8	2.4	1.6	1.4	1.2	1.2	1.2
85°	2.3	2.0	1.6	1.3	1.0	0.6	0.2	0.3	0.4	0.4	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	113.2	112.9	113.2	113.5	113.1	112.8	112.8	112.9	112.5	112.1	111.7
5°	107.2	107.3	107.7	108.2	108.3	108.4	108.6	108.8	108.8	109.0	109.0
7.5°	101.3	101.4	101.6	101.9	102.2	102.6	103.4	104.2	104.7	105.1	105.7
10°	97.1	96.9	97.7	98.5	98.8	99.0	100.0	101.0	101.5	102.1	102.5
12.5°	93.4	93.0	93.4	93.8	94.6	95.3	96.7	98.2	99.3	100.3	100.5
15°	90.2	89.8	90.1	90.5	90.9	91.3	92.7	94.1	95.4	96.6	97.2
17.5°	86.3	85.6	85.3	85.0	86.3	87.6	88.8	90.0	91.3	92.6	93.7
20°	82.3	81.5	81.3	81.1	81.6	82.1	83.7	85.3	86.8	88.4	88.9
22.5°	77.8	76.6	76.3	76.0	76.2	76.6	77.3	78.1	79.3	80.5	81.3
25°	73.7	72.4	71.5	70.5	70.5	70.6	71.0	71.5	71.9	72.3	72.8
27.5°	69.7	68.3	67.1	65.8	65.3	64.8	64.3	63.9	63.8	63.7	63.6
30°	65.9	64.2	62.8	61.4	60.0	58.6	57.7	56.7	55.8	54.8	54.0
32.5°	62.3	60.7	58.2	55.8	54.3	52.8	51.1	49.4	47.6	45.9	44.7
35°	58.1	56.2	53.9	51.6	49.1	46.6	44.1	41.6	39.3	36.9	35.6
37.5°	54.1	51.8	49.4	46.9	43.4	40.0	37.1	34.2	31.8	29.4	28.0
40°	50.4	47.7	44.4	41.0	37.3	33.5	30.3	27.2	24.9	22.6	21.4
42.5°	46.6	44.0	40.1	36.3	32.2	28.0	24.7	21.4	19.4	17.5	16.4
45°	42.9	40.0	35.5	31.0	27.1	23.2	20.3	17.5	15.6	13.7	12.9
47.5°	39.6	36.4	31.8	27.1	23.4	19.6	17.0	14.3	12.6	10.9	10.1
50°	36.4	33.2	28.5	23.8	20.3	16.9	14.5	12.2	10.6	9.0	8.2
52.5°	32.8	30.0	25.4	20.8	18.1	15.4	13.2	10.9	9.2	7.5	6.7
55°	28.6	26.1	22.3	18.5	16.0	13.5	11.5	9.5	7.7	5.9	5.1
57.5°	24.3	22.2	18.9	15.7	13.7	11.6	9.7	7.8	6.0	4.3	3.6
60°	20.6	18.6	15.9	13.2	11.2	9.1	7.5	5.8	4.3	2.7	2.0
62.5°	17.7	15.8	13.1	10.4	8.8	7.1	5.7	4.2	2.8	1.4	0.7
65°	15.7	13.3	11.0	8.6	6.9	5.1	3.8	2.4	1.5	0.5	0.2
67.5°	13.3	10.7	8.5	6.3	4.8	3.2	2.1	1.0	0.5	0.0	0.0
70°	11.2	8.3	5.9	3.5	2.4	1.2	0.7	0.2	0.1	0.0	0.0
72.5°	8.5	6.1	3.8	1.6	1.0	0.5	0.3	0.1	0.0	0.0	0.0
75°	5.7	4.2	2.7	1.2	0.7	0.3	0.2	0.0	0.0	0.0	0.0
77.5°	4.2	3.3	2.0	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0
80°	2.5	2.0	1.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.2	0.1	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	111.2	111.1	111.2	111.7	112.1	112.5	112.9	112.8	112.8	113.1	113.5
5°	109.1	109.1	109.1	109.0	109.0	108.8	108.8	108.6	108.4	108.3	108.2
7.5°	106.2	107.2	106.2	105.7	105.1	104.7	104.2	103.4	102.6	102.2	101.9
10°	102.9	103.7	102.9	102.5	102.1	101.5	101.0	100.0	99.0	98.8	98.5
12.5°	100.8	100.9	100.8	100.5	100.3	99.3	98.2	96.7	95.3	94.6	93.8
15°	97.8	98.2	97.8	97.2	96.6	95.4	94.1	92.7	91.3	90.9	90.5
17.5°	94.8	95.4	94.8	93.7	92.6	91.3	90.0	88.8	87.6	86.3	85.0
20°	89.4	89.1	89.4	88.9	88.4	86.8	85.3	83.7	82.1	81.6	81.1
22.5°	82.3	83.2	82.3	81.3	80.5	79.3	78.1	77.3	76.6	76.2	76.0
25°	73.3	73.8	73.3	72.8	72.3	71.9	71.5	71.0	70.6	70.5	70.5
27.5°	63.5	63.2	63.5	63.6	63.7	63.8	63.9	64.3	64.8	65.3	65.8
30°	53.3	53.0	53.3	54.0	54.8	55.8	56.7	57.7	58.6	60.0	61.4
32.5°	43.5	42.8	43.5	44.7	45.9	47.6	49.4	51.1	52.8	54.3	55.8
35°	34.2	33.8	34.2	35.6	36.9	39.3	41.6	44.1	46.6	49.1	51.6
37.5°	26.6	25.9	26.6	28.0	29.4	31.8	34.2	37.1	40.0	43.4	46.9
40°	20.2	19.6	20.2	21.4	22.6	24.9	27.2	30.3	33.5	37.3	41.0
42.5°	15.3	14.5	15.3	16.4	17.5	19.4	21.4	24.7	28.0	32.2	36.3
45°	12.1	11.8	12.1	12.9	13.7	15.6	17.5	20.3	23.2	27.1	31.0
47.5°	9.3	9.0	9.3	10.1	10.9	12.6	14.3	17.0	19.6	23.4	27.1
50°	7.4	7.1	7.4	8.2	9.0	10.6	12.2	14.5	16.9	20.3	23.8
52.5°	5.9	5.5	5.9	6.7	7.5	9.2	10.9	13.2	15.4	18.1	20.8
55°	4.2	3.9	4.2	5.1	5.9	7.7	9.5	11.5	13.5	16.0	18.5
57.5°	2.9	2.7	2.9	3.6	4.3	6.0	7.8	9.7	11.6	13.7	15.7
60°	1.4	1.2	1.4	2.0	2.7	4.3	5.8	7.5	9.1	11.2	13.2
62.5°	0.1	0.0	0.1	0.7	1.4	2.8	4.2	5.7	7.1	8.8	10.4
65°	0.0	0.0	0.0	0.2	0.5	1.5	2.4	3.8	5.1	6.9	8.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.1	3.2	4.8	6.3
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	1.2	2.4	3.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.0	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
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°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	113.2	112.9	113.2	113.5	113.8	113.9	113.8	113.7	113.9	114.3	114.4
5°	107.7	107.3	107.2	107.2	106.9	106.6	106.6	106.6	107.6	108.2	109.0
7.5°	101.6	101.4	101.3	101.2	101.2	101.2	101.8	102.6	102.7	103.1	103.7
10°	97.7	96.9	97.1	97.3	97.6	97.8	98.3	98.7	98.5	99.5	100.6
12.5°	93.4	93.0	93.4	93.8	94.2	94.5	95.1	95.7	96.2	97.0	98.2
15°	90.1	89.8	90.2	90.6	91.0	91.5	91.8	92.2	93.8	95.1	96.6
17.5°	85.3	85.6	86.3	87.0	87.7	88.5	89.4	90.4	91.3	92.7	94.8
20°	81.3	81.5	82.3	83.2	84.2	85.3	86.5	87.7	89.1	90.5	93.4
22.5°	76.3	76.6	77.8	79.0	80.3	81.6	82.6	83.7	86.0	87.9	92.3
25°	71.5	72.4	73.7	74.9	76.3	77.7	79.3	80.8	82.1	84.2	90.4
27.5°	67.1	68.3	69.7	71.1	72.6	74.1	75.5	77.0	78.3	81.0	89.4
30°	62.8	64.2	65.9	67.6	69.1	70.7	71.9	73.2	74.4	77.7	89.3
32.5°	58.2	60.7	62.3	64.0	65.4	66.7	68.2	69.6	71.8	75.4	89.8
35°	53.9	56.2	58.1	60.0	61.5	63.0	64.2	65.4	67.3	71.3	90.3
37.5°	49.4	51.8	54.1	56.5	58.1	59.7	60.6	61.6	62.8	67.1	90.7
40°	44.4	47.7	50.4	53.1	54.7	56.2	56.9	57.6	59.1	63.8	91.3
42.5°	40.1	44.0	46.6	49.2	50.6	52.1	53.0	53.8	54.6	62.0	92.5
45°	35.5	40.0	42.9	45.9	46.8	47.8	48.6	49.3	50.6	62.7	94.8
47.5°	31.8	36.4	39.6	42.7	43.0	43.3	43.7	44.2	48.1	66.4	98.2
50°	28.5	33.2	36.4	39.6	39.6	39.6	41.2	42.8	50.6	73.5	103.3
52.5°	25.4	30.0	32.8	35.6	35.7	35.8	40.5	45.2	59.3	81.0	106.5
55°	22.3	26.1	28.6	31.1	32.0	32.8	41.9	51.1	71.3	87.2	106.9
57.5°	18.9	22.2	24.3	26.4	28.7	31.1	43.5	55.8	76.0	84.7	103.5
60°	15.9	18.6	20.6	22.5	26.7	30.9	42.8	54.7	68.3	75.3	100.4
62.5°	13.1	15.8	17.7	19.7	25.7	31.6	40.2	48.9	54.2	64.9	89.4
65°	11.0	13.3	15.7	18.1	24.5	30.9	35.6	40.4	42.6	61.2	79.6
67.5°	8.5	10.7	13.3	15.9	20.3	24.7	28.1	31.5	35.5	51.9	59.9
70°	5.9	8.3	11.2	14.1	16.3	18.6	21.5	24.4	30.0	41.3	45.4
72.5°	3.8	6.1	8.5	10.9	12.3	13.7	16.3	18.9	24.7	29.9	32.0
75°	2.7	4.2	5.7	7.1	7.8	8.6	10.4	12.3	16.3	19.6	21.6
77.5°	2.0	3.3	4.2	5.0	5.3	5.5	6.6	7.7	10.2	11.1	12.7
80°	1.2	2.0	2.5	3.1	3.1	3.1	3.5	3.9	5.7	6.1	7.4
82.5°	0.4	0.8	1.0	1.2	1.2	1.2	1.4	1.6	2.4	2.8	3.7
85°	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.6	1.0	1.3
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	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):

	330°	335°	340°	345°	350°	355°	360°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	114.6	114.7	115.0	115.4	115.9	116.2	115.8
5°	109.7	110.5	111.2	112.0	112.8	113.9	115.4
7.5°	104.4	105.4	106.4	107.6	108.8	110.2	111.7
10°	101.7	102.9	104.0	105.9	107.8	110.2	112.1
12.5°	99.3	101.3	103.2	106.9	110.6	115.7	120.3
15°	98.2	101.5	104.8	111.8	118.8	127.9	137.4
17.5°	96.9	102.6	108.3	121.0	133.7	151.2	172.0
20°	96.2	105.4	114.6	135.4	156.3	184.8	216.5
22.5°	96.8	111.7	126.7	158.5	190.3	230.5	268.9
25°	96.6	118.7	140.9	185.9	230.9	285.2	332.3
27.5°	97.8	130.7	163.6	223.2	282.9	347.0	396.9
30°	100.8	145.2	189.6	265.1	340.7	417.7	474.1
32.5°	104.2	161.4	218.7	312.0	405.3	495.2	555.0
35°	109.2	182.1	254.9	365.3	475.8	574.1	628.8
37.5°	114.2	205.2	296.2	425.6	555.1	660.7	711.2
40°	118.9	227.9	336.9	488.1	639.4	755.8	798.4
42.5°	123.1	248.2	373.4	548.7	724.1	856.9	904.4
45°	126.8	265.5	404.2	615.3	826.4	1002.5	1096.0
47.5°	130.0	276.0	422.1	689.8	957.5	1219.5	1375.5
50°	133.1	280.7	428.3	761.2	1094.2	1474.5	1746.0
52.5°	132.0	272.9	413.9	791.9	1170.0	1657.4	2080.5
55°	126.5	254.8	383.2	776.8	1170.5	1726.9	2293.7
57.5°	122.2	229.6	337.1	699.7	1062.3	1639.4	2367.9
60°	125.4	190.5	255.6	566.7	877.9	1458.4	2219.8
62.5°	113.9	151.7	189.6	449.5	709.5	1242.3	1975.4
65°	98.0	115.7	133.5	353.1	572.7	1040.0	1689.2
67.5°	67.8	75.7	83.6	262.3	441.0	836.1	1447.4
70°	49.5	54.1	58.7	194.7	330.6	647.5	1194.3
72.5°	34.2	37.5	40.8	129.4	218.1	446.7	910.3
75°	23.5	25.9	28.3	81.3	134.3	285.3	634.3
77.5°	14.3	16.2	18.1	44.3	70.5	149.5	340.2
80°	8.6	9.9	11.2	17.7	24.3	45.3	100.1
82.5°	4.6	5.3	6.1	7.4	8.6	13.8	30.2
85°	1.6	2.0	2.3	2.4	2.7	3.4	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)