

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: P1207885

Luminaire Tested: UPW-SA1-030-750-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207885
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-SA1-030-750-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 3147 lumens
Efficiency: N/A
Efficacy: 92.6 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

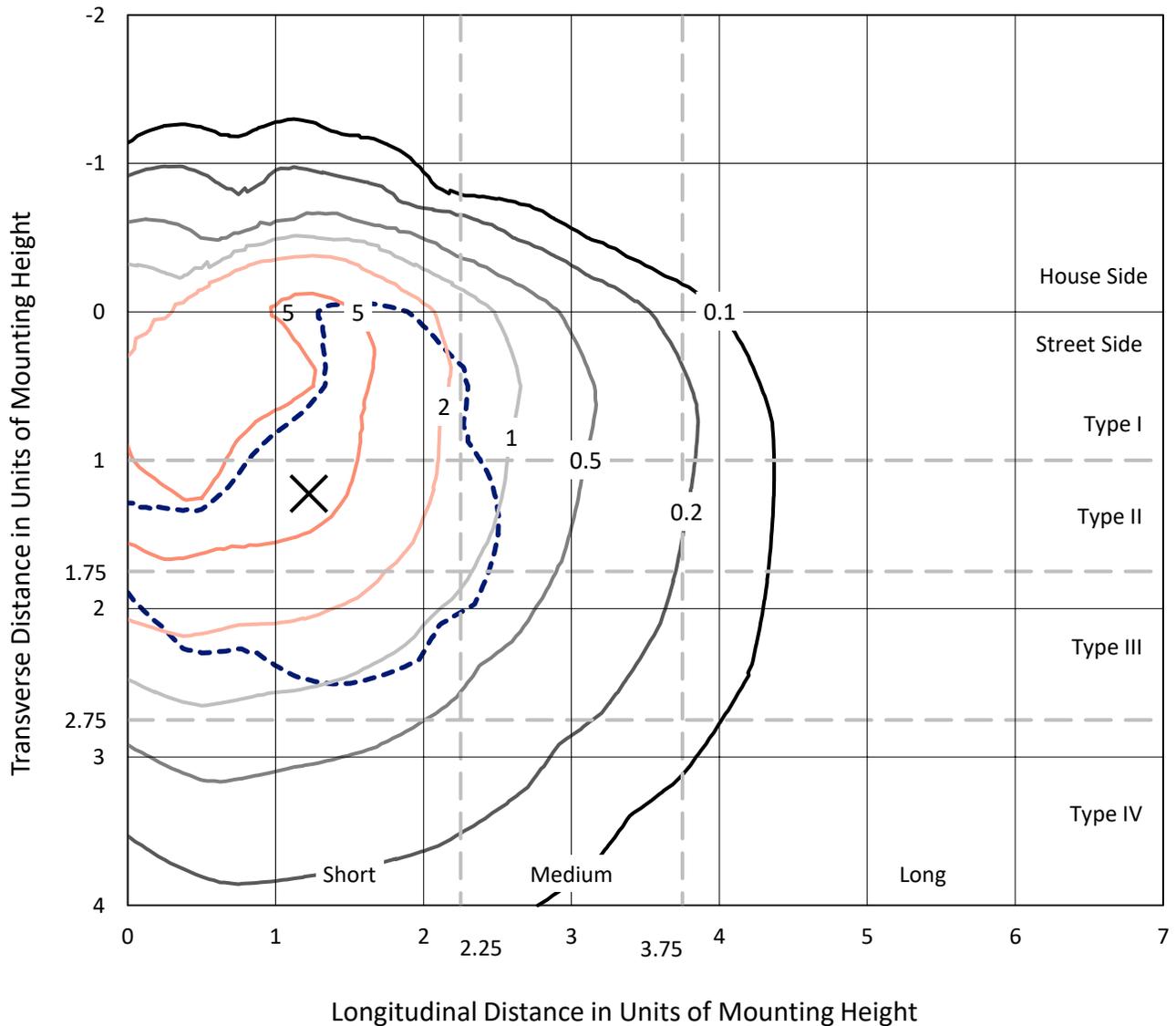
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

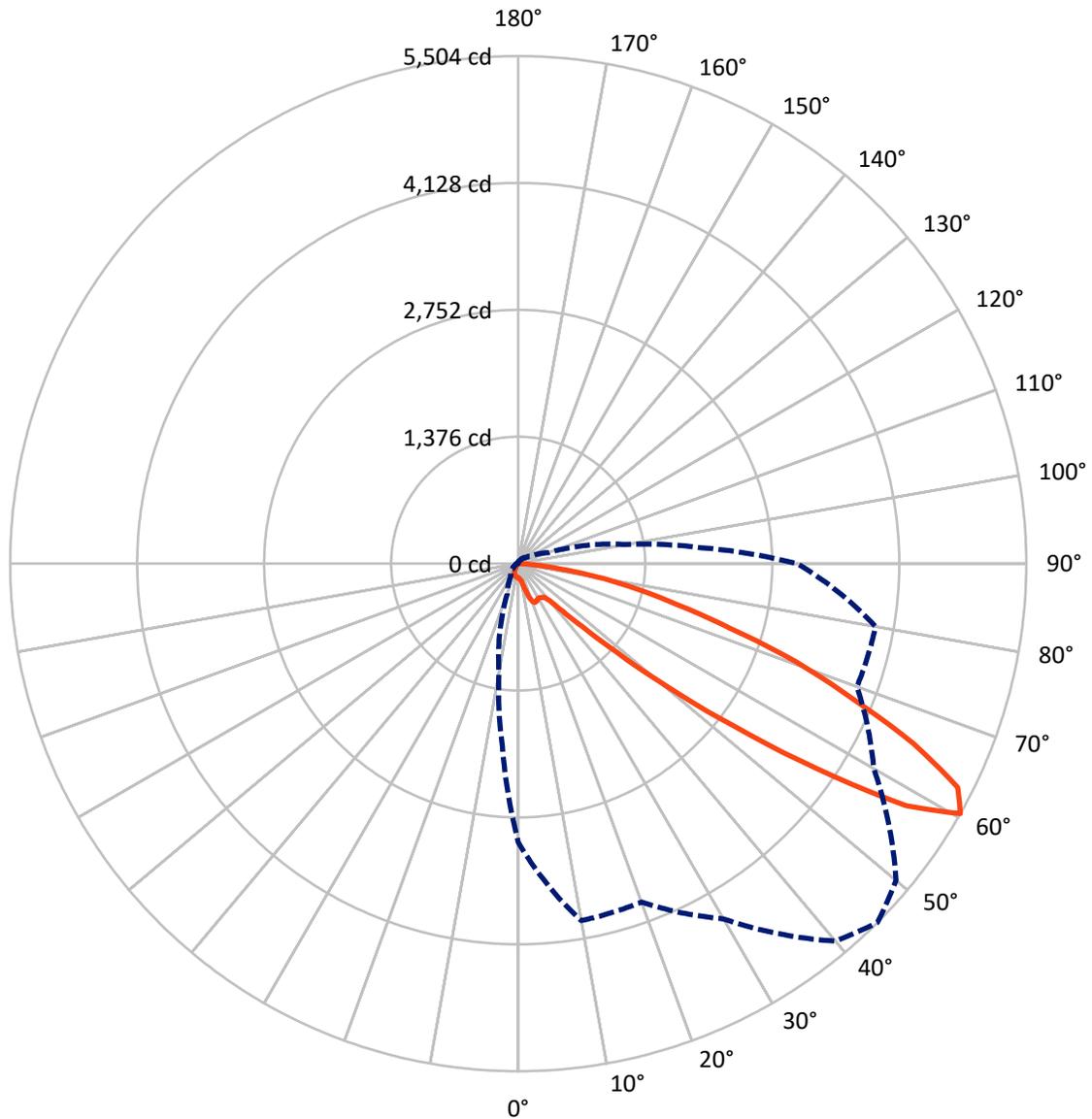
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	362.6	0.0	362.6
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	2784.5	0.0	2784.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	3147.0	0.0	3147.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.5
10°-20°	48.6	1.5
20°-30°	104.9	3.3
30°-40°	176.7	5.6
40°-50°	356.8	11.3
50°-60°	917.7	29.2
60°-70°	997.7	31.7
70°-80°	470.0	14.9
80°-90°	60.3	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°	3147.0	100.0
0°-180°	3147.0	100.0



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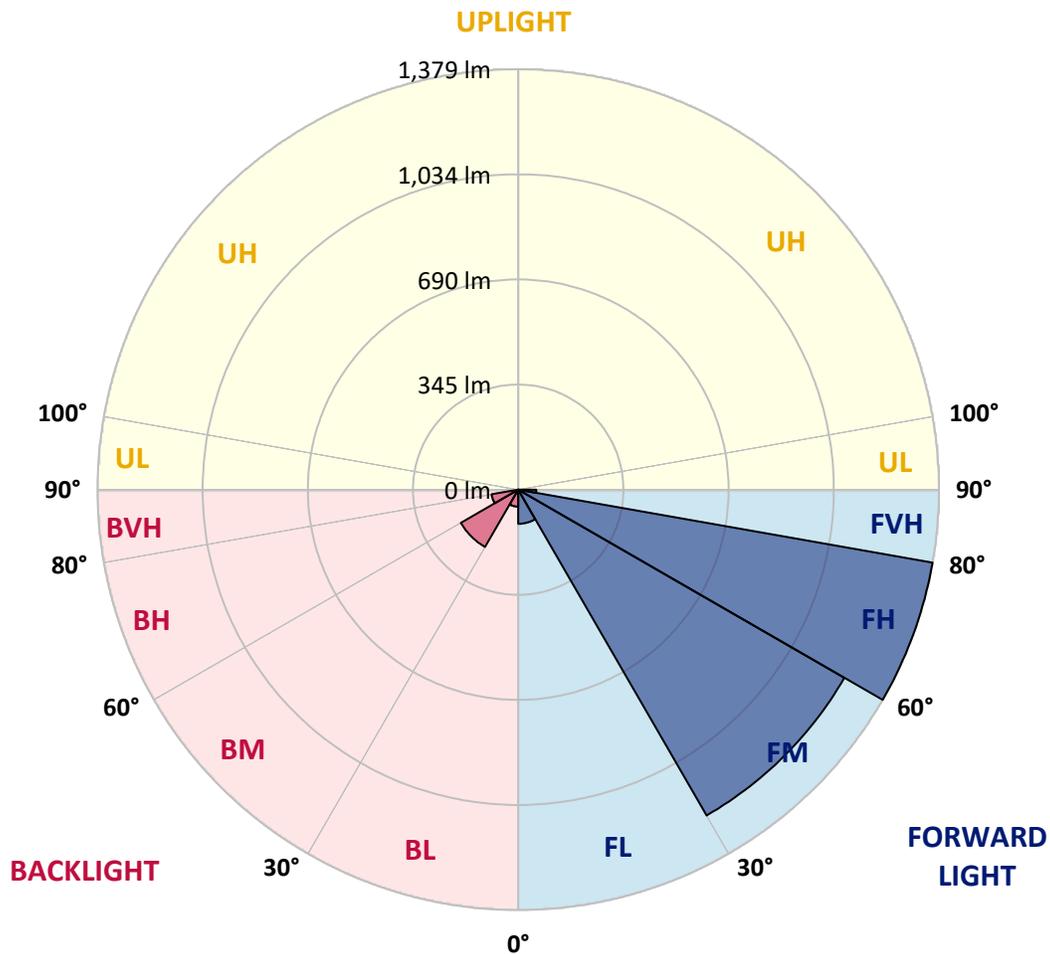
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.0	3.6			
FM	(30°-60°)	1234.1	39.2			
FH	(60°-80°)	1379.0	43.8			G1/1800
FVH	(80°-90°)	59.3	1.9			G1/100
BL	(0°-30°)	55.7	1.8	B0/110		
BM	(30°-60°)	217.0	6.9	B0/220		
BH	(60°-80°)	88.7	2.8	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	157.6	158.1	158.5	159.2	160.0	160.3	160.7	160.8	161.0	159.7	161.0
5°	157.0	158.4	159.7	161.3	162.9	163.8	164.6	165.1	165.5	166.7	165.5
7.5°	152.0	155.4	158.8	161.9	165.0	167.3	169.8	171.8	173.8	175.2	173.8
10°	152.5	158.7	165.0	171.0	177.1	181.7	186.4	189.6	192.7	194.4	192.7
12.5°	163.7	173.8	183.9	194.0	204.2	213.7	223.3	229.6	236.0	240.4	236.0
15°	187.0	205.9	224.9	242.6	260.4	275.2	290.1	297.9	305.8	306.6	305.8
17.5°	234.0	261.7	289.4	313.0	336.5	352.3	368.0	375.6	383.1	385.1	383.1
20°	294.6	329.5	364.3	386.5	408.8	419.3	429.9	433.9	437.8	435.4	437.8
22.5°	365.9	402.9	439.9	455.1	470.3	469.3	468.4	465.1	461.7	456.2	461.7
25°	452.2	482.9	513.6	510.4	507.2	494.2	481.2	470.2	459.2	454.1	459.2
27.5°	540.1	556.7	573.3	550.5	527.8	503.0	478.2	463.5	448.8	439.6	448.8
30°	645.0	634.3	623.5	583.0	542.5	511.1	479.7	462.3	444.9	434.3	444.9
32.5°	755.1	717.1	679.2	621.5	563.7	527.2	490.6	470.5	450.3	437.5	450.3
35°	855.5	793.3	731.2	658.0	584.8	545.5	506.3	483.0	459.8	449.8	459.8
37.5°	967.7	874.0	780.3	691.5	602.8	559.9	517.1	495.7	474.4	463.7	474.4
40°	1086.3	963.1	840.0	736.3	632.6	594.9	557.1	543.2	529.2	526.2	529.2
42.5°	1230.5	1079.3	928.0	817.1	706.2	688.3	670.5	675.3	680.0	699.2	680.0
45°	1491.2	1306.4	1121.7	996.5	871.2	877.9	884.5	920.9	957.3	978.6	957.3
47.5°	1871.5	1670.6	1469.6	1309.9	1150.1	1194.5	1239.0	1327.4	1415.8	1434.8	1415.8
50°	2375.5	2161.9	1948.3	1748.9	1549.4	1643.1	1736.9	1905.8	2074.6	2102.5	2074.6
52.5°	2830.6	2665.9	2501.1	2267.8	2034.4	2193.6	2352.8	2600.7	2848.7	2924.6	2848.7
55°	3120.7	3174.5	3228.3	2983.4	2738.5	2932.6	3126.7	3453.4	3780.1	3925.7	3780.1
57.5°	3221.6	3539.8	3858.0	3686.4	3514.9	3715.2	3915.5	4319.3	4723.0	4952.9	4723.0
60°	3020.3	3475.6	3930.9	3917.5	3904.1	4175.9	4447.7	4895.4	5343.2	5503.7	5343.2
62.5°	2687.7	3063.3	3438.8	3507.0	3575.3	3958.2	4341.2	4759.3	5177.5	5341.8	5177.5
65°	2298.3	2634.3	2970.1	3022.9	3075.7	3484.6	3893.5	4271.2	4648.9	4704.5	4648.9
67.5°	1969.3	2309.3	2649.3	2682.4	2715.7	3063.5	3411.4	3691.4	3971.4	3902.7	3971.4
70°	1625.0	1984.5	2344.1	2399.1	2454.0	2700.3	2946.5	3110.2	3273.9	3191.2	3273.9
72.5°	1238.5	1602.6	1966.9	2017.6	2068.3	2239.3	2410.3	2491.3	2572.2	2409.2	2572.2
75°	863.0	1175.9	1488.9	1555.5	1622.2	1742.1	1862.0	1894.6	1927.2	1776.7	1927.2
77.5°	462.9	672.6	882.5	1000.6	1118.7	1248.7	1378.7	1394.2	1409.7	1309.8	1409.7
80°	136.2	232.4	328.5	467.4	606.2	762.4	918.7	926.2	933.7	859.5	933.7
82.5°	41.1	82.9	124.6	221.2	317.7	431.3	544.9	534.2	523.4	448.2	523.4
85°	9.1	28.8	48.6	107.4	166.1	218.0	269.9	248.8	227.7	184.8	227.7
87.5°	1.3	8.0	14.5	38.2	62.0	74.8	87.6	71.5	55.4	50.2	55.4
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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	160.8	160.7	160.3	160.0	159.2	158.5	158.1	157.6	158.1	157.7	157.0
5°	165.1	164.6	163.8	162.9	161.3	159.7	158.4	157.0	155.0	153.4	152.3
7.5°	171.8	169.8	167.3	165.0	161.9	158.8	155.4	152.0	149.9	148.0	146.4
10°	189.6	186.4	181.7	177.1	171.0	165.0	158.7	152.5	149.9	146.6	144.1
12.5°	229.6	223.3	213.7	204.2	194.0	183.9	173.8	163.7	157.4	150.5	145.4
15°	297.9	290.1	275.2	260.4	242.6	224.9	205.9	187.0	174.0	161.6	152.1
17.5°	375.6	368.0	352.3	336.5	313.0	289.4	261.7	234.0	205.7	181.9	164.6
20°	433.9	429.9	419.3	408.8	386.5	364.3	329.5	294.6	251.4	212.6	184.2
22.5°	465.1	468.4	469.3	470.3	455.1	439.9	402.9	365.9	313.6	259.0	215.7
25°	470.2	481.2	494.2	507.2	510.4	513.6	482.9	452.2	388.1	314.2	252.9
27.5°	463.5	478.2	503.0	527.8	550.5	573.3	556.7	540.1	472.2	384.9	303.7
30°	462.3	479.7	511.1	542.5	583.0	623.5	634.3	645.0	568.3	463.6	360.7
32.5°	470.5	490.6	527.2	563.7	621.5	679.2	717.1	755.1	673.8	551.4	424.5
35°	483.0	506.3	545.5	584.8	658.0	731.2	793.3	855.5	781.1	647.3	497.1
37.5°	495.7	517.1	559.9	602.8	691.5	780.3	874.0	967.7	899.0	755.2	579.1
40°	543.2	557.1	594.9	632.6	736.3	840.0	963.1	1086.3	1028.3	869.9	664.1
42.5°	675.3	670.5	688.3	706.2	817.1	928.0	1079.3	1230.5	1165.9	985.1	746.6
45°	920.9	884.5	877.9	871.2	996.5	1121.7	1306.4	1491.2	1364.0	1124.3	837.1
47.5°	1327.4	1239.0	1194.5	1150.1	1309.9	1469.6	1670.6	1871.5	1659.2	1302.8	938.5
50°	1905.8	1736.9	1643.1	1549.4	1748.9	1948.3	2161.9	2375.5	2006.2	1488.8	1035.7
52.5°	2600.7	2352.8	2193.6	2034.4	2267.8	2501.1	2665.9	2830.6	2255.0	1591.9	1077.5
55°	3453.4	3126.7	2932.6	2738.5	2983.4	3228.3	3174.5	3120.7	2349.6	1592.5	1056.9
57.5°	4319.3	3915.5	3715.2	3514.9	3686.4	3858.0	3539.8	3221.6	2230.5	1445.4	952.0
60°	4895.4	4447.7	4175.9	3904.1	3917.5	3930.9	3475.6	3020.3	1984.3	1194.4	771.1
62.5°	4759.3	4341.2	3958.2	3575.3	3507.0	3438.8	3063.3	2687.7	1690.2	965.4	611.6
65°	4271.2	3893.5	3484.6	3075.7	3022.9	2970.1	2634.3	2298.3	1415.0	779.3	480.4
67.5°	3691.4	3411.4	3063.5	2715.7	2682.4	2649.3	2309.3	1969.3	1137.6	600.0	356.9
70°	3110.2	2946.5	2700.3	2454.0	2399.1	2344.1	1984.5	1625.0	881.0	449.8	264.8
72.5°	2491.3	2410.3	2239.3	2068.3	2017.6	1966.9	1602.6	1238.5	607.7	296.7	176.1
75°	1894.6	1862.0	1742.1	1622.2	1555.5	1488.9	1175.9	863.0	388.1	182.7	110.6
77.5°	1394.2	1378.7	1248.7	1118.7	1000.6	882.5	672.6	462.9	203.4	95.9	60.3
80°	926.2	918.7	762.4	606.2	467.4	328.5	232.4	136.2	61.7	33.0	24.1
82.5°	534.2	544.9	431.3	317.7	221.2	124.6	82.9	41.1	18.8	11.8	10.0
85°	248.8	269.9	218.0	166.1	107.4	48.6	28.8	9.1	4.6	3.6	3.3
87.5°	71.5	87.6	74.8	62.0	38.2	14.5	8.0	1.3	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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	156.4	156.1	155.9	155.7	155.4	154.9	154.7	154.9	155.0	154.8	154.5
5°	151.3	150.3	149.3	148.2	147.2	146.4	145.1	145.1	145.0	145.4	145.8
7.5°	144.8	143.4	142.1	141.1	140.2	139.7	139.5	138.6	137.7	137.7	137.7
10°	141.6	140.0	138.4	136.9	135.4	134.1	134.3	133.8	133.1	132.7	132.4
12.5°	140.4	137.8	135.1	133.5	131.9	130.9	130.2	129.4	128.6	128.1	127.7
15°	142.6	138.1	133.5	131.5	129.4	127.7	125.4	124.9	124.5	123.9	123.3
17.5°	147.3	139.5	131.8	129.0	126.2	124.2	123.0	121.7	120.5	119.4	118.3
20°	155.9	143.4	130.9	127.0	123.1	121.3	119.3	117.7	116.0	114.6	113.1
22.5°	172.4	152.0	131.7	125.6	119.7	117.0	113.9	112.4	111.0	109.2	107.5
25°	191.7	161.5	131.4	123.0	114.6	111.6	109.9	107.9	105.8	103.8	101.9
27.5°	222.6	177.9	133.1	121.7	110.1	106.6	104.8	102.8	100.9	98.8	96.8
30°	257.9	197.5	137.2	121.5	105.8	101.2	99.6	97.9	96.2	94.1	92.0
32.5°	297.5	219.7	141.8	122.2	102.6	97.8	94.7	92.7	90.8	88.9	87.1
35°	346.8	247.8	148.6	122.8	97.0	91.6	89.0	87.4	85.7	83.7	81.6
37.5°	403.0	279.2	155.3	123.3	91.3	85.5	83.8	82.5	81.2	79.0	76.8
40°	458.3	310.0	161.7	124.3	86.8	80.4	78.3	77.4	76.5	74.4	72.2
42.5°	508.0	337.7	167.5	125.9	84.3	74.3	73.2	72.1	70.9	68.9	66.9
45°	549.9	361.2	172.5	129.0	85.4	68.9	67.1	66.1	65.1	63.7	62.4
47.5°	574.2	375.5	176.8	133.6	90.4	65.4	60.1	59.5	58.9	58.5	58.1
50°	582.7	381.9	181.1	140.5	100.0	68.9	58.2	56.0	53.8	53.8	53.8
52.5°	563.1	371.4	179.6	144.9	110.1	80.7	61.5	55.1	48.7	48.6	48.5
55°	521.4	346.7	172.1	145.4	118.7	97.0	69.5	57.1	44.6	43.5	42.3
57.5°	458.6	312.4	166.2	140.8	115.3	103.4	76.0	59.2	42.3	39.1	35.9
60°	347.8	259.2	170.7	136.5	102.5	92.9	74.5	58.2	42.1	36.3	30.6
62.5°	257.9	206.4	154.9	121.6	88.2	73.7	66.5	54.8	43.0	34.9	26.8
65°	181.6	157.5	133.3	108.3	83.3	58.0	54.9	48.5	42.1	33.3	24.6
67.5°	113.8	103.0	92.3	81.5	70.6	48.3	42.8	38.2	33.5	27.6	21.6
70°	79.9	73.6	67.3	61.8	56.2	40.9	33.2	29.3	25.4	22.2	19.1
72.5°	55.4	51.0	46.5	43.6	40.7	33.7	25.7	22.2	18.7	16.8	14.9
75°	38.6	35.3	31.9	29.3	26.7	22.2	16.8	14.2	11.6	10.6	9.6
77.5°	24.6	22.0	19.5	17.3	15.1	13.9	10.4	9.0	7.5	7.2	6.8
80°	15.2	13.5	11.8	10.0	8.3	7.7	5.3	4.8	4.2	4.2	4.2
82.5°	8.3	7.3	6.3	5.1	3.8	3.2	2.2	1.9	1.6	1.6	1.6
85°	3.1	2.7	2.2	1.8	1.3	0.8	0.3	0.4	0.5	0.5	0.4
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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	154.1	153.6	154.0	154.4	153.9	153.4	153.5	153.6	153.0	152.5	151.9
5°	145.9	145.9	146.6	147.2	147.4	147.5	147.8	148.0	148.1	148.2	148.3
7.5°	137.8	137.9	138.3	138.6	139.1	139.5	140.7	141.8	142.4	143.1	143.7
10°	132.0	131.8	133.0	134.1	134.4	134.7	136.1	137.4	138.1	138.9	139.5
12.5°	127.1	126.6	127.1	127.7	128.7	129.7	131.6	133.5	135.0	136.5	136.8
15°	122.8	122.2	122.6	123.1	123.7	124.2	126.1	128.1	129.8	131.4	132.2
17.5°	117.4	116.5	116.0	115.6	117.4	119.1	120.8	122.4	124.2	126.0	127.5
20°	112.0	110.8	110.6	110.3	111.1	111.8	113.9	116.0	118.2	120.3	121.0
22.5°	105.9	104.3	103.8	103.4	103.7	104.2	105.2	106.3	107.9	109.5	110.7
25°	100.2	98.6	97.2	95.9	95.9	96.0	96.6	97.2	97.8	98.4	99.1
27.5°	94.9	92.9	91.2	89.5	88.8	88.1	87.6	87.0	86.8	86.6	86.5
30°	89.7	87.3	85.5	83.6	81.7	79.7	78.5	77.2	75.9	74.5	73.5
32.5°	84.8	82.5	79.2	75.9	73.8	71.8	69.5	67.2	64.7	62.4	60.8
35°	79.1	76.5	73.4	70.2	66.8	63.5	60.0	56.6	53.4	50.2	48.4
37.5°	73.7	70.5	67.2	63.8	59.1	54.4	50.4	46.5	43.2	40.0	38.0
40°	68.6	64.9	60.4	55.8	50.7	45.5	41.2	37.0	33.9	30.7	29.1
42.5°	63.4	59.8	54.6	49.4	43.7	38.0	33.6	29.1	26.4	23.8	22.3
45°	58.3	54.4	48.3	42.2	36.9	31.5	27.7	23.8	21.3	18.7	17.6
47.5°	53.8	49.6	43.2	36.9	31.8	26.7	23.1	19.5	17.1	14.9	13.8
50°	49.5	45.1	38.7	32.3	27.7	23.0	19.8	16.6	14.4	12.2	11.1
52.5°	44.7	40.9	34.6	28.3	24.6	20.9	17.9	14.9	12.5	10.1	9.1
55°	38.9	35.5	30.3	25.1	21.8	18.4	15.7	12.9	10.5	8.0	6.9
57.5°	33.1	30.2	25.7	21.4	18.6	15.8	13.1	10.6	8.2	5.9	4.9
60°	28.0	25.4	21.6	17.9	15.2	12.4	10.1	7.9	5.8	3.7	2.8
62.5°	24.1	21.5	17.8	14.2	12.0	9.7	7.7	5.8	3.8	1.9	1.0
65°	21.3	18.1	14.9	11.8	9.3	6.9	5.1	3.3	2.0	0.6	0.3
67.5°	18.1	14.5	11.5	8.5	6.5	4.4	2.9	1.3	0.6	0.0	0.0
70°	15.2	11.3	8.1	4.8	3.2	1.6	1.0	0.3	0.1	0.0	0.0
72.5°	11.5	8.3	5.2	2.1	1.4	0.6	0.4	0.1	0.1	0.0	0.0
75°	7.7	5.8	3.7	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0
77.5°	5.7	4.5	2.8	1.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0
80°	3.4	2.7	1.6	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	1.1	0.5	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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	151.3	151.2	151.3	151.9	152.5	153.0	153.6	153.5	153.4	153.9	154.4
5°	148.4	148.5	148.4	148.3	148.2	148.1	148.0	147.8	147.5	147.4	147.2
7.5°	144.5	145.8	144.5	143.7	143.1	142.4	141.8	140.7	139.5	139.1	138.6
10°	140.1	141.0	140.1	139.5	138.9	138.1	137.4	136.1	134.7	134.4	134.1
12.5°	137.2	137.3	137.2	136.8	136.5	135.0	133.5	131.6	129.7	128.7	127.7
15°	133.0	133.5	133.0	132.2	131.4	129.8	128.1	126.1	124.2	123.7	123.1
17.5°	129.0	129.8	129.0	127.5	126.0	124.2	122.4	120.8	119.1	117.4	115.6
20°	121.7	121.3	121.7	121.0	120.3	118.2	116.0	113.9	111.8	111.1	110.3
22.5°	111.9	113.2	111.9	110.7	109.5	107.9	106.3	105.2	104.2	103.7	103.4
25°	99.8	100.4	99.8	99.1	98.4	97.8	97.2	96.6	96.0	95.9	95.9
27.5°	86.4	86.0	86.4	86.5	86.6	86.8	87.0	87.6	88.1	88.8	89.5
30°	72.5	72.1	72.5	73.5	74.5	75.9	77.2	78.5	79.7	81.7	83.6
32.5°	59.2	58.2	59.2	60.8	62.4	64.7	67.2	69.5	71.8	73.8	75.9
35°	46.6	45.9	46.6	48.4	50.2	53.4	56.6	60.0	63.5	66.8	70.2
37.5°	36.2	35.3	36.2	38.0	40.0	43.2	46.5	50.4	54.4	59.1	63.8
40°	27.5	26.7	27.5	29.1	30.7	33.9	37.0	41.2	45.5	50.7	55.8
42.5°	20.8	19.8	20.8	22.3	23.8	26.4	29.1	33.6	38.0	43.7	49.4
45°	16.5	16.0	16.5	17.6	18.7	21.3	23.8	27.7	31.5	36.9	42.2
47.5°	12.7	12.3	12.7	13.8	14.9	17.1	19.5	23.1	26.7	31.8	36.9
50°	10.0	9.6	10.0	11.1	12.2	14.4	16.6	19.8	23.0	27.7	32.3
52.5°	8.0	7.5	8.0	9.1	10.1	12.5	14.9	17.9	20.9	24.6	28.3
55°	5.8	5.3	5.8	6.9	8.0	10.5	12.9	15.7	18.4	21.8	25.1
57.5°	4.0	3.7	4.0	4.9	5.9	8.2	10.6	13.1	15.8	18.6	21.4
60°	1.9	1.6	1.9	2.8	3.7	5.8	7.9	10.1	12.4	15.2	17.9
62.5°	0.1	0.0	0.1	1.0	1.9	3.8	5.8	7.7	9.7	12.0	14.2
65°	0.0	0.0	0.0	0.3	0.6	2.0	3.3	5.1	6.9	9.3	11.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.3	2.9	4.4	6.5	8.5
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.6	3.2	4.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.6	1.4	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5
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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	154.0	153.6	154.1	154.5	154.8	155.0	154.9	154.7	154.9	155.4	155.7
5°	146.6	145.9	145.9	145.8	145.4	145.0	145.1	145.1	146.4	147.2	148.2
7.5°	138.3	137.9	137.8	137.7	137.7	137.7	138.6	139.5	139.7	140.2	141.1
10°	133.0	131.8	132.0	132.4	132.7	133.1	133.8	134.3	134.1	135.4	136.9
12.5°	127.1	126.6	127.1	127.7	128.1	128.6	129.4	130.2	130.9	131.9	133.5
15°	122.6	122.2	122.8	123.3	123.9	124.5	124.9	125.4	127.7	129.4	131.5
17.5°	116.0	116.5	117.4	118.3	119.4	120.5	121.7	123.0	124.2	126.2	129.0
20°	110.6	110.8	112.0	113.1	114.6	116.0	117.7	119.3	121.3	123.1	127.0
22.5°	103.8	104.3	105.9	107.5	109.2	111.0	112.4	113.9	117.0	119.7	125.6
25°	97.2	98.6	100.2	101.9	103.8	105.8	107.9	109.9	111.6	114.6	123.0
27.5°	91.2	92.9	94.9	96.8	98.8	100.9	102.8	104.8	106.6	110.1	121.7
30°	85.5	87.3	89.7	92.0	94.1	96.2	97.9	99.6	101.2	105.8	121.5
32.5°	79.2	82.5	84.8	87.1	88.9	90.8	92.7	94.7	97.8	102.6	122.2
35°	73.4	76.5	79.1	81.6	83.7	85.7	87.4	89.0	91.6	97.0	122.8
37.5°	67.2	70.5	73.7	76.8	79.0	81.2	82.5	83.8	85.5	91.3	123.3
40°	60.4	64.9	68.6	72.2	74.4	76.5	77.4	78.3	80.4	86.8	124.3
42.5°	54.6	59.8	63.4	66.9	68.9	70.9	72.1	73.2	74.3	84.3	125.9
45°	48.3	54.4	58.3	62.4	63.7	65.1	66.1	67.1	68.9	85.4	129.0
47.5°	43.2	49.6	53.8	58.1	58.5	58.9	59.5	60.1	65.4	90.4	133.6
50°	38.7	45.1	49.5	53.8	53.8	53.8	56.0	58.2	68.9	100.0	140.5
52.5°	34.6	40.9	44.7	48.5	48.6	48.7	55.1	61.5	80.7	110.1	144.9
55°	30.3	35.5	38.9	42.3	43.5	44.6	57.1	69.5	97.0	118.7	145.4
57.5°	25.7	30.2	33.1	35.9	39.1	42.3	59.2	76.0	103.4	115.3	140.8
60°	21.6	25.4	28.0	30.6	36.3	42.1	58.2	74.5	92.9	102.5	136.5
62.5°	17.8	21.5	24.1	26.8	34.9	43.0	54.8	66.5	73.7	88.2	121.6
65°	14.9	18.1	21.3	24.6	33.3	42.1	48.5	54.9	58.0	83.3	108.3
67.5°	11.5	14.5	18.1	21.6	27.6	33.5	38.2	42.8	48.3	70.6	81.5
70°	8.1	11.3	15.2	19.1	22.2	25.4	29.3	33.2	40.9	56.2	61.8
72.5°	5.2	8.3	11.5	14.9	16.8	18.7	22.2	25.7	33.7	40.7	43.6
75°	3.7	5.8	7.7	9.6	10.6	11.6	14.2	16.8	22.2	26.7	29.3
77.5°	2.8	4.5	5.7	6.8	7.2	7.5	9.0	10.4	13.9	15.1	17.3
80°	1.6	2.7	3.4	4.2	4.2	4.2	4.8	5.3	7.7	8.3	10.0
82.5°	0.5	1.1	1.3	1.6	1.6	1.6	1.9	2.2	3.2	3.8	5.1
85°	0.1	0.1	0.3	0.4	0.5	0.5	0.4	0.3	0.8	1.3	1.8
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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	155.9	156.1	156.4	157.0	157.7	158.1	157.6
5°	149.3	150.3	151.3	152.3	153.4	155.0	157.0
7.5°	142.1	143.4	144.8	146.4	148.0	149.9	152.0
10°	138.4	140.0	141.6	144.1	146.6	149.9	152.5
12.5°	135.1	137.8	140.4	145.4	150.5	157.4	163.7
15°	133.5	138.1	142.6	152.1	161.6	174.0	187.0
17.5°	131.8	139.5	147.3	164.6	181.9	205.7	234.0
20°	130.9	143.4	155.9	184.2	212.6	251.4	294.6
22.5°	131.7	152.0	172.4	215.7	259.0	313.6	365.9
25°	131.4	161.5	191.7	252.9	314.2	388.1	452.2
27.5°	133.1	177.9	222.6	303.7	384.9	472.2	540.1
30°	137.2	197.5	257.9	360.7	463.6	568.3	645.0
32.5°	141.8	219.7	297.5	424.5	551.4	673.8	755.1
35°	148.6	247.8	346.8	497.1	647.3	781.1	855.5
37.5°	155.3	279.2	403.0	579.1	755.2	899.0	967.7
40°	161.7	310.0	458.3	664.1	869.9	1028.3	1086.3
42.5°	167.5	337.7	508.0	746.6	985.1	1165.9	1230.5
45°	172.5	361.2	549.9	837.1	1124.3	1364.0	1491.2
47.5°	176.8	375.5	574.2	938.5	1302.8	1659.2	1871.5
50°	181.1	381.9	582.7	1035.7	1488.8	2006.2	2375.5
52.5°	179.6	371.4	563.1	1077.5	1591.9	2255.0	2830.6
55°	172.1	346.7	521.4	1056.9	1592.5	2349.6	3120.7
57.5°	166.2	312.4	458.6	952.0	1445.4	2230.5	3221.6
60°	170.7	259.2	347.8	771.1	1194.4	1984.3	3020.3
62.5°	154.9	206.4	257.9	611.6	965.4	1690.2	2687.7
65°	133.3	157.5	181.6	480.4	779.3	1415.0	2298.3
67.5°	92.3	103.0	113.8	356.9	600.0	1137.6	1969.3
70°	67.3	73.6	79.9	264.8	449.8	881.0	1625.0
72.5°	46.5	51.0	55.4	176.1	296.7	607.7	1238.5
75°	31.9	35.3	38.6	110.6	182.7	388.1	863.0
77.5°	19.5	22.0	24.6	60.3	95.9	203.4	462.9
80°	11.8	13.5	15.2	24.1	33.0	61.7	136.2
82.5°	6.3	7.3	8.3	10.0	11.8	18.8	41.1
85°	2.2	2.7	3.1	3.3	3.6	4.6	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)