

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P588576

Luminaire Tested: **ARC-CA6-110-722-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-372-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-110-722-U-33-X-5-X-GHSS  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD  
Light Source: (3) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

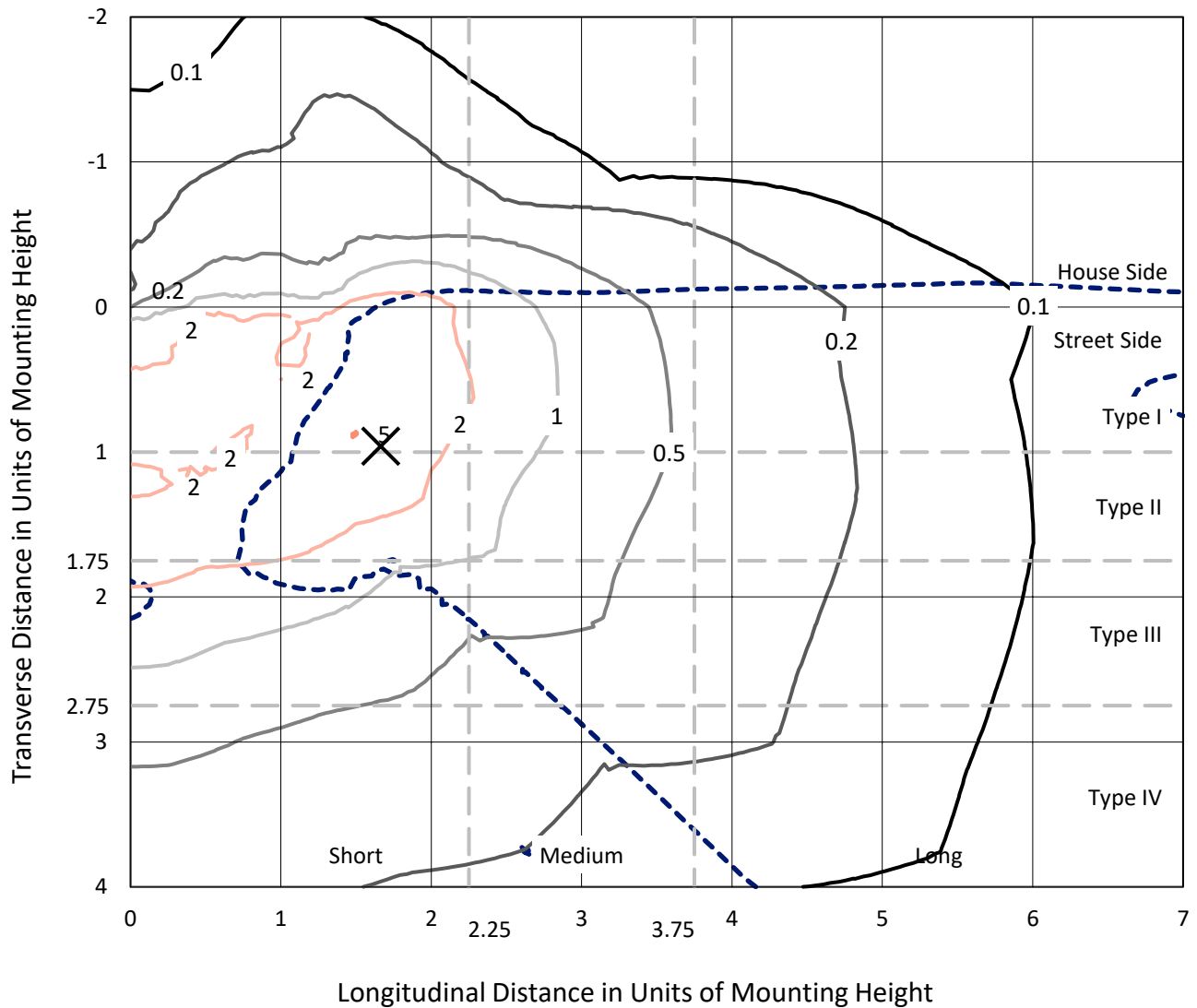
Lumens per Lamp: N/A  
Luminaire Lumens: 6171 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G5  
  
Input Watts (W): 56.5  
Input Voltage (V): 120  
Input 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: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

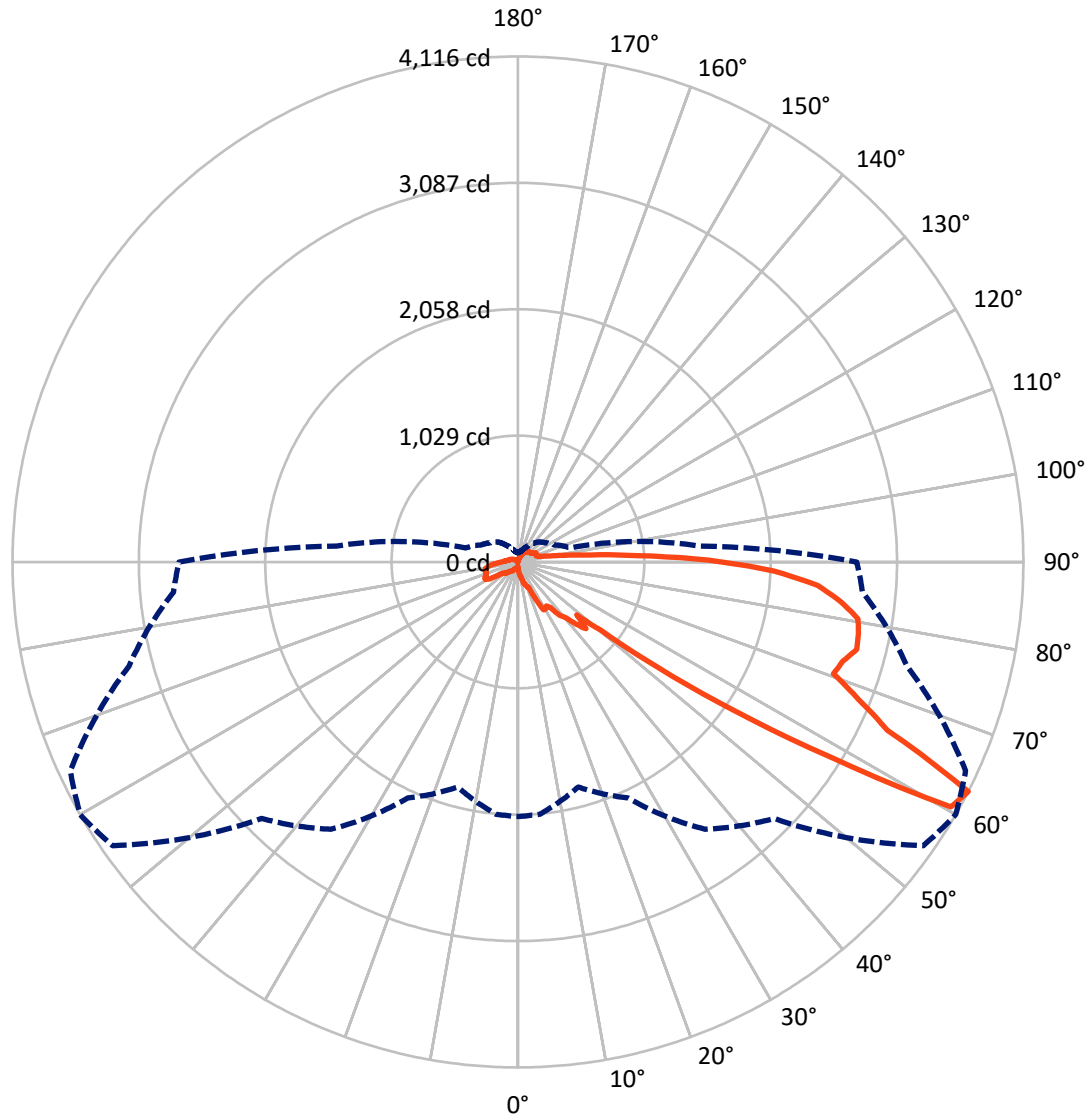
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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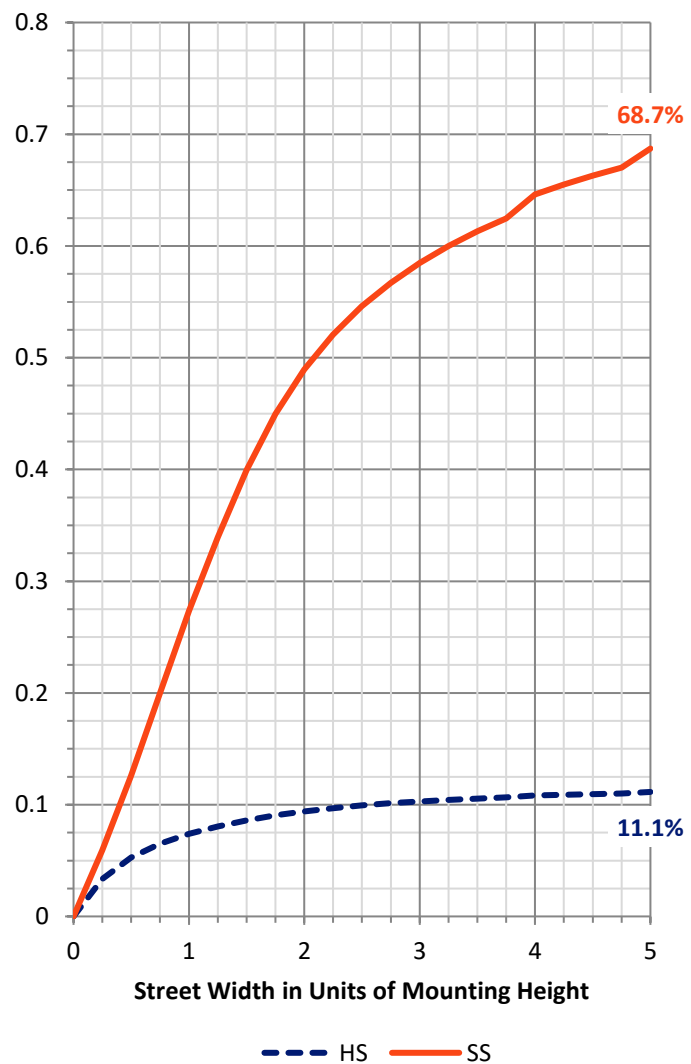
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	723.9	144.3	868.2
	% Fixture	11.7	2.3	14.1
<b>Street Side</b>	Lumens	4713.7	589.0	5302.7
	% Fixture	76.4	9.5	85.9
<b>Total</b>	Lumens	5437.7	733.3	6171.0
	% Fixture	88.1	11.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	29.7	0.5
20°-30°	88.2	1.4
30°-40°	177.3	2.9
40°-50°	312.0	5.1
50°-60°	861.5	14.0
60°-70°	1489.6	24.1
70°-80°	1382.7	22.4
80°-90°	1090.2	17.7
90°-100°	345.9	5.6
100°-110°	123.4	2.0
110°-120°	101.4	1.6
120°-130°	66.7	1.1
130°-140°	47.5	0.8
140°-150°	30.7	0.5
150°-160°	14.1	0.2
160°-170°	3.5	0.1
170°-180°	0.1	0.0
0°-90°	5437.7	88.1
0°-180°	6171.0	100.0

**Coefficient of Utilization**



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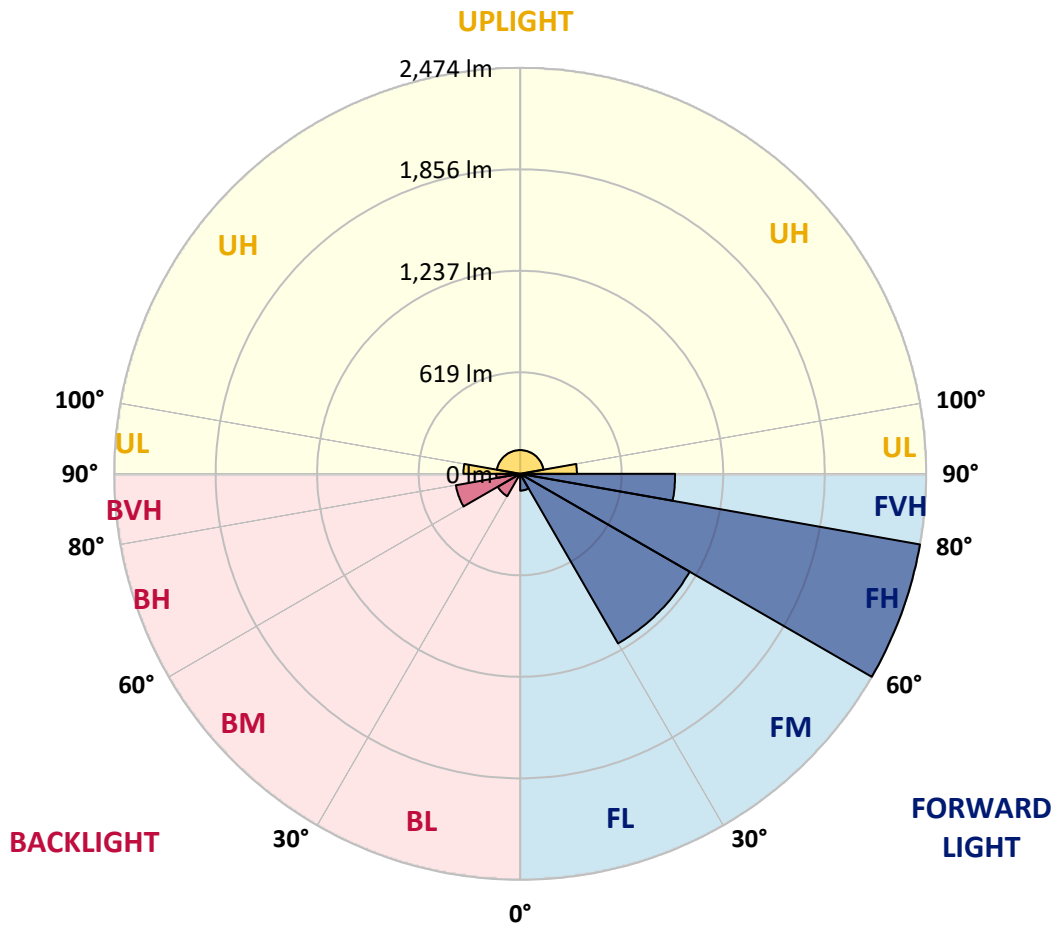
CATALOG NUMBER: ARC-CA6-110-722-U-33-X-5-X-GHSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.4	1.7			
FM (30°-60°)	1193.2	19.3			
FH (60°-80°)	2474.0	40.1			G2/5000
FVH (80°-90°)	944.1	15.3			G5
BL (0°-30°)	21.9	0.4	B0/110		
BM (30°-60°)	157.6	2.6	B0/220		
BH (60°-80°)	398.2	6.5	B1/500		G1/500
BVH (80°-90°)	146.2	2.4			G2/225
UL (90°-100°)	345.9	5.6		U3/500	
UH (100°-180°)	144.3	2.3		U3/500	

**BUG Rating: B1-U3-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	73.1	71.2	72.2	72.2	73.1	69.3	65.5	62.7	59.8	56.0	51.3
5°	104.5	102.6	99.7	98.8	96.9	93.1	87.4	85.5	79.8	72.2	62.7
7.5°	127.3	126.3	125.4	122.5	120.6	114.9	108.3	105.4	98.8	88.3	76.9
10°	144.4	144.4	145.3	140.6	132.0	127.3	121.6	119.7	114.9	100.7	86.4
12.5°	158.6	156.7	149.1	145.3	141.5	142.5	143.4	142.5	140.6	116.8	96.9
15°	171.9	170.0	164.3	159.5	156.7	166.2	187.1	185.2	184.2	147.2	113.0
17.5°	181.4	181.4	187.1	190.9	195.6	181.4	177.6	183.3	189.9	162.4	128.2
20°	208.9	205.1	200.4	196.6	220.3	209.9	213.7	220.3	225.1	181.4	140.6
22.5°	196.6	197.5	218.4	226.0	214.6	208.9	222.2	225.1	226.0	208.0	146.3
25°	268.8	256.4	248.8	272.6	270.7	312.4	324.8	333.3	333.3	282.1	204.2
27.5°	371.3	371.3	403.6	466.3	455.8	456.8	442.6	441.6	459.6	476.7	310.5
30°	402.7	413.1	503.3	534.7	568.9	526.1	479.6	443.5	451.1	543.2	361.8
32.5°	412.2	421.7	530.9	496.7	509.0	491.9	498.6	425.5	407.4	500.5	352.3
35°	359.9	373.2	462.5	418.8	395.1	446.4	508.1	455.8	447.3	411.2	319.1
37.5°	480.5	487.2	518.5	511.9	519.5	522.3	596.4	548.9	558.4	496.7	403.6
40°	551.8	544.2	666.7	696.1	684.7	674.3	667.6	594.5	605.9	575.5	546.1
42.5°	678.1	669.5	756.0	774.0	776.8	749.3	780.6	688.5	660.0	597.4	680.0
45°	686.6	691.4	773.0	726.5	774.9	825.3	882.3	775.9	724.6	619.2	790.1
47.5°	607.8	628.7	808.2	767.3	719.9	675.2	697.1	642.9	601.2	490.0	759.7
50°	620.1	628.7	743.6	695.2	578.4	716.1	907.9	869.0	823.4	607.8	732.2
52.5°	877.5	873.7	924.0	926.9	956.3	1075.0	1454.0	1422.6	1430.2	1183.3	1090.2
55°	1203.3	1201.4	1328.6	1531.8	1699.9	1757.9	2252.7	2129.2	2073.2	1833.8	1925.0
57.5°	1555.6	1571.7	1627.8	1912.7	2200.4	2275.4	3050.4	2986.8	2863.3	2392.3	2635.4
60°	1926.9	1917.4	1834.8	2021.9	2482.5	2856.7	4019.1	4049.5	3803.5	3011.5	2876.6
62.5°	2073.2	2060.8	1896.5	2119.7	2656.3	2953.5	4028.6	4115.9	4021.9	3279.3	2815.8
65°	2048.5	2020.0	1801.6	1977.2	2242.2	2512.9	3596.5	3306.8	3460.7	3353.3	2662.0
67.5°	1951.6	1945.0	1741.7	1838.6	2011.4	2046.6	3285.0	2992.5	3047.5	3419.8	2707.6
70°	1830.0	1828.1	1674.3	1747.4	1993.4	1957.3	3040.9	2726.5	2694.3	3060.8	2719.0
72.5°	1833.8	1831.9	1662.0	1686.6	1950.7	1891.8	3015.3	2764.5	2705.7	2884.2	2587.9
75°	1865.2	1867.1	1686.6	1714.2	2010.5	1905.1	3076.0	2849.1	2789.2	2867.1	2483.4
77.5°	1834.8	1850.0	1672.4	1734.1	2048.5	1903.2	3047.5	2832.9	2748.4	2726.5	2284.0
80°	1733.2	1754.1	1594.5	1665.7	2014.3	1928.8	3023.8	2808.2	2700.9	2581.2	2140.6
82.5°	1520.4	1542.3	1419.8	1485.3	1873.7	1823.4	2857.6	2648.7	2552.8	2343.8	1953.5
85°	1306.8	1357.1	1297.3	1306.8	1654.4	1669.5	2633.5	2449.2	2382.8	2200.4	1889.9
87.5°	1078.8	1122.5	1066.5	999.1	1239.3	1326.7	2177.6	2086.5	2068.4	1942.1	1640.1
90°	798.7	838.6	805.3	717.0	839.5	894.6	1605.0	1554.6	1593.6	1449.2	1127.3
92.5°	579.3	586.0	547.0	473.9	559.4	586.0	1052.3	975.3	1020.9	888.0	661.0
95°	387.5	403.6	373.2	341.9	405.5	408.4	648.6	591.7	567.0	510.0	395.1
97.5°	284.0	284.9	273.5	245.0	284.9	288.7	431.2	388.4	366.6	342.8	273.5
100°	225.1	225.1	208.0	189.9	198.5	206.1	300.1	270.7	259.3	248.8	206.1
102.5°	196.6	195.6	181.4	163.3	162.4	166.2	227.0	207.0	198.5	191.8	162.4
105°	186.1	185.2	170.9	151.9	147.2	144.4	189.0	175.7	170.0	164.3	146.3
107.5°	184.2	182.3	168.1	151.0	143.4	135.8	170.0	158.6	159.5	153.8	140.6
110°	186.1	186.1	173.8	163.3	151.0	140.6	170.9	158.6	162.4	160.5	146.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	181.4	186.1	181.4	174.7	161.4	152.9	178.5	164.3	169.0	169.0	151.0
115°	170.9	175.7	175.7	169.0	156.7	153.8	176.6	164.3	166.2	163.3	140.6
117.5°	156.7	159.5	157.6	150.1	139.6	137.7	164.3	158.6	158.6	150.1	131.1
120°	146.3	140.6	133.0	127.3	121.6	126.3	148.2	142.5	137.7	133.9	119.7
122.5°	131.1	124.4	115.9	113.0	109.2	115.9	134.9	130.1	125.4	123.5	113.0
125°	108.3	108.3	104.5	102.6	101.6	111.1	133.0	128.2	121.6	117.8	105.4
127.5°	104.5	104.5	101.6	99.7	100.7	112.1	130.1	125.4	117.8	113.0	101.6
130°	105.4	103.5	99.7	96.9	97.8	111.1	129.2	123.5	115.9	112.1	101.6
132.5°	99.7	97.8	95.0	93.1	92.1	105.4	122.5	119.7	114.0	105.4	94.0
135°	96.9	95.0	93.1	92.1	92.1	102.6	116.8	114.0	108.3	98.8	86.4
137.5°	95.9	94.0	90.2	89.3	88.3	97.8	109.2	107.3	101.6	93.1	82.6
140°	91.2	88.3	85.5	84.5	84.5	92.1	103.5	101.6	95.9	89.3	79.8
142.5°	84.5	82.6	79.8	79.8	80.7	88.3	100.7	99.7	93.1	85.5	76.9
145°	80.7	78.8	76.9	77.9	78.8	85.5	95.0	94.0	89.3	82.6	74.1
147.5°	74.1	73.1	71.2	70.3	72.2	77.9	88.3	88.3	85.5	76.9	68.4
150°	64.6	63.6	61.7	60.8	62.7	68.4	76.9	76.9	74.1	65.5	57.9
152.5°	54.1	53.2	53.2	54.1	56.0	58.9	66.5	67.4	64.6	56.0	49.4
155°	47.5	46.5	46.5	47.5	50.3	53.2	57.9	57.9	55.1	49.4	42.7
157.5°	40.8	39.9	39.9	40.8	43.7	45.6	50.3	49.4	47.5	42.7	37.0
160°	31.3	30.4	30.4	31.3	34.2	36.1	39.9	39.9	38.9	36.1	31.3
162.5°	23.7	22.8	22.8	23.7	25.6	26.6	29.4	30.4	30.4	28.5	24.7
165°	18.0	17.1	17.1	17.1	19.0	19.9	20.9	20.9	20.9	19.9	17.1
167.5°	11.4	10.4	10.4	11.4	12.3	12.3	13.3	13.3	12.3	12.3	10.4
170°	5.7	4.7	4.7	5.7	5.7	5.7	4.7	3.8	3.8	3.8	3.8
172.5°	1.9	0.9	2.8	2.8	1.9	0.0	0.0	0.9	0.9	0.9	0.0
175°	1.9	0.9	2.8	2.8	1.9	0.0	0.0	0.9	0.0	0.9	0.0
177.5°	0.9	0.9	2.8	2.8	1.9	0.0	0.0	0.0	0.0	0.9	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	49.4	48.4	44.6	38.9	33.2	27.5	26.6	27.5	28.5	29.4	30.4
5°	58.9	55.1	47.5	38.9	31.3	23.7	19.9	18.0	17.1	18.0	19.0
7.5°	71.2	66.5	57.0	46.5	37.0	29.4	24.7	19.9	17.1	17.1	18.0
10°	79.8	74.1	62.7	51.3	41.8	33.2	27.5	22.8	19.9	18.0	18.0
12.5°	89.3	81.7	66.5	54.1	43.7	36.1	30.4	25.6	22.8	20.9	20.9
15°	99.7	91.2	73.1	57.0	46.5	38.0	33.2	28.5	24.7	22.8	22.8
17.5°	116.8	102.6	76.9	59.8	48.4	39.9	34.2	29.4	25.6	23.7	23.7
20°	124.4	108.3	77.9	62.7	51.3	41.8	35.1	29.4	26.6	24.7	24.7
22.5°	124.4	107.3	79.8	64.6	54.1	43.7	36.1	30.4	26.6	24.7	24.7
25°	156.7	117.8	81.7	69.3	57.0	45.6	38.0	31.3	27.5	25.6	25.6
27.5°	219.4	153.8	94.0	74.1	60.8	48.4	39.9	33.2	28.5	26.6	26.6
30°	241.2	171.9	107.3	86.4	66.5	51.3	41.8	35.1	30.4	27.5	27.5
32.5°	246.0	169.0	114.9	95.0	76.0	56.0	43.7	37.0	31.3	28.5	28.5
35°	222.2	156.7	114.9	98.8	81.7	62.7	48.4	38.9	32.3	29.4	28.5
37.5°	259.3	169.0	117.8	99.7	84.5	67.4	54.1	41.8	34.2	30.4	30.4
40°	335.2	200.4	132.0	105.4	85.5	70.3	59.8	46.5	37.0	32.3	32.3
42.5°	392.2	226.0	147.2	119.7	93.1	74.1	61.7	50.3	40.8	35.1	34.2
45°	440.7	250.7	160.5	133.0	106.4	82.6	65.5	54.1	44.6	38.9	38.0
47.5°	449.2	263.1	170.9	146.3	116.8	91.2	71.2	57.9	49.4	42.7	41.8
50°	434.0	264.0	174.7	154.8	128.2	100.7	77.9	62.7	53.2	46.5	46.5
52.5°	620.1	329.5	191.8	159.5	132.0	108.3	86.4	68.4	57.0	51.3	51.3
55°	1118.7	532.8	247.9	189.0	141.5	114.0	94.0	76.9	62.7	56.0	56.0
57.5°	1808.2	831.9	327.6	252.6	182.3	132.0	102.6	85.5	70.3	60.8	60.8
60°	2396.1	1173.8	398.9	307.7	239.3	181.4	124.4	96.9	78.8	67.4	66.5
62.5°	2758.8	1481.5	440.7	328.6	273.5	229.8	167.1	121.6	89.3	76.9	75.0
65°	2678.1	1635.4	458.7	326.7	271.6	245.0	199.4	151.0	107.3	88.3	85.5
67.5°	2459.7	1636.3	455.8	312.4	257.4	232.7	198.5	163.3	124.4	99.7	95.9
70°	2350.5	1607.8	441.6	302.0	246.0	217.5	184.2	150.1	122.5	106.4	104.5
72.5°	2298.2	1588.8	433.1	300.1	244.1	211.8	174.7	133.9	110.2	101.6	103.5
75°	2310.6	1600.2	436.9	302.9	247.9	214.6	170.9	124.4	96.9	87.4	89.3
77.5°	2283.0	1577.4	442.6	302.0	246.0	209.9	159.5	114.0	88.3	78.8	77.9
80°	2305.8	1528.0	429.3	292.5	231.7	190.9	141.5	101.6	80.7	74.1	73.1
82.5°	2131.1	1330.5	381.8	266.9	209.9	164.3	118.7	89.3	76.0	68.4	68.4
85°	1953.5	1078.8	327.6	234.6	172.8	129.2	95.0	77.9	66.5	60.8	60.8
87.5°	1482.5	773.0	253.6	192.8	144.4	111.1	86.4	75.0	65.5	61.7	60.8
90°	916.4	476.7	189.0	153.8	122.5	98.8	81.7	72.2	64.6	61.7	61.7
92.5°	512.8	304.8	146.3	126.3	105.4	88.3	75.0	65.5	58.9	56.0	56.0
95°	347.6	227.9	125.4	113.0	94.0	77.9	65.5	57.0	51.3	47.5	47.5
97.5°	251.7	179.5	111.1	101.6	84.5	68.4	57.9	49.4	44.6	42.7	42.7
100°	192.8	145.3	100.7	91.2	75.0	59.8	50.3	42.7	38.0	36.1	36.1
102.5°	154.8	122.5	91.2	82.6	66.5	53.2	42.7	35.1	31.3	30.4	29.4
105°	139.6	114.0	85.5	76.9	60.8	48.4	38.0	31.3	27.5	25.6	25.6
107.5°	135.8	114.0	84.5	75.0	57.9	45.6	34.2	28.5	24.7	22.8	22.8
110°	144.4	120.6	85.5	73.1	54.1	41.8	31.3	25.6	21.8	20.9	20.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	149.1	121.6	81.7	68.4	50.3	38.0	29.4	23.7	20.9	19.0	19.0
115°	136.8	109.2	75.0	60.8	44.6	34.2	27.5	22.8	19.0	17.1	17.1
117.5°	132.0	102.6	73.1	53.2	40.8	31.3	25.6	20.9	18.0	16.1	16.1
120°	132.0	99.7	64.6	46.5	37.0	28.5	23.7	19.0	16.1	15.2	15.2
122.5°	127.3	92.1	57.0	40.8	32.3	24.7	20.9	17.1	15.2	13.3	13.3
125°	115.9	85.5	46.5	37.0	29.4	22.8	19.0	16.1	13.3	12.3	12.3
127.5°	109.2	84.5	43.7	34.2	26.6	20.9	17.1	14.2	11.4	10.4	10.4
130°	108.3	84.5	40.8	30.4	23.7	18.0	15.2	12.3	10.4	9.5	9.5
132.5°	96.9	76.9	38.9	28.5	21.8	17.1	14.2	11.4	9.5	8.5	8.5
135°	87.4	71.2	38.0	26.6	19.9	15.2	12.3	10.4	7.6	7.6	7.6
137.5°	80.7	65.5	38.0	24.7	18.0	13.3	11.4	9.5	6.6	6.6	6.6
140°	76.0	60.8	37.0	23.7	16.1	12.3	10.4	7.6	5.7	5.7	5.7
142.5°	71.2	57.0	34.2	22.8	15.2	10.4	9.5	7.6	5.7	4.7	4.7
145°	65.5	52.2	30.4	20.9	14.2	9.5	8.5	6.6	4.7	3.8	3.8
147.5°	59.8	46.5	26.6	18.0	13.3	8.5	7.6	5.7	3.8	3.8	3.8
150°	51.3	39.9	23.7	16.1	11.4	7.6	6.6	4.7	3.8	2.8	2.8
152.5°	41.8	34.2	20.9	14.2	10.4	6.6	5.7	3.8	2.8	1.9	1.9
155°	37.0	30.4	19.0	12.3	8.5	5.7	4.7	2.8	2.8	1.9	1.9
157.5°	32.3	26.6	17.1	10.4	6.6	3.8	3.8	2.8	1.9	1.9	0.9
160°	26.6	22.8	14.2	8.5	5.7	2.8	2.8	1.9	1.9	0.9	0.9
162.5°	20.9	17.1	10.4	6.6	3.8	1.9	1.9	1.9	1.9	0.9	0.0
165°	14.2	12.3	7.6	4.7	2.8	0.9	0.9	1.9	0.9	0.9	0.0
167.5°	9.5	7.6	4.7	2.8	1.9	0.0	0.9	0.9	0.9	0.9	0.0
170°	3.8	3.8	2.8	1.9	0.0	0.0	0.0	0.9	0.9	0.9	0.0
172.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.0
175°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)