

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: P588600

Luminaire Tested: **ARC-CA6-130-722-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588600  
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-CA6-130-722-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**

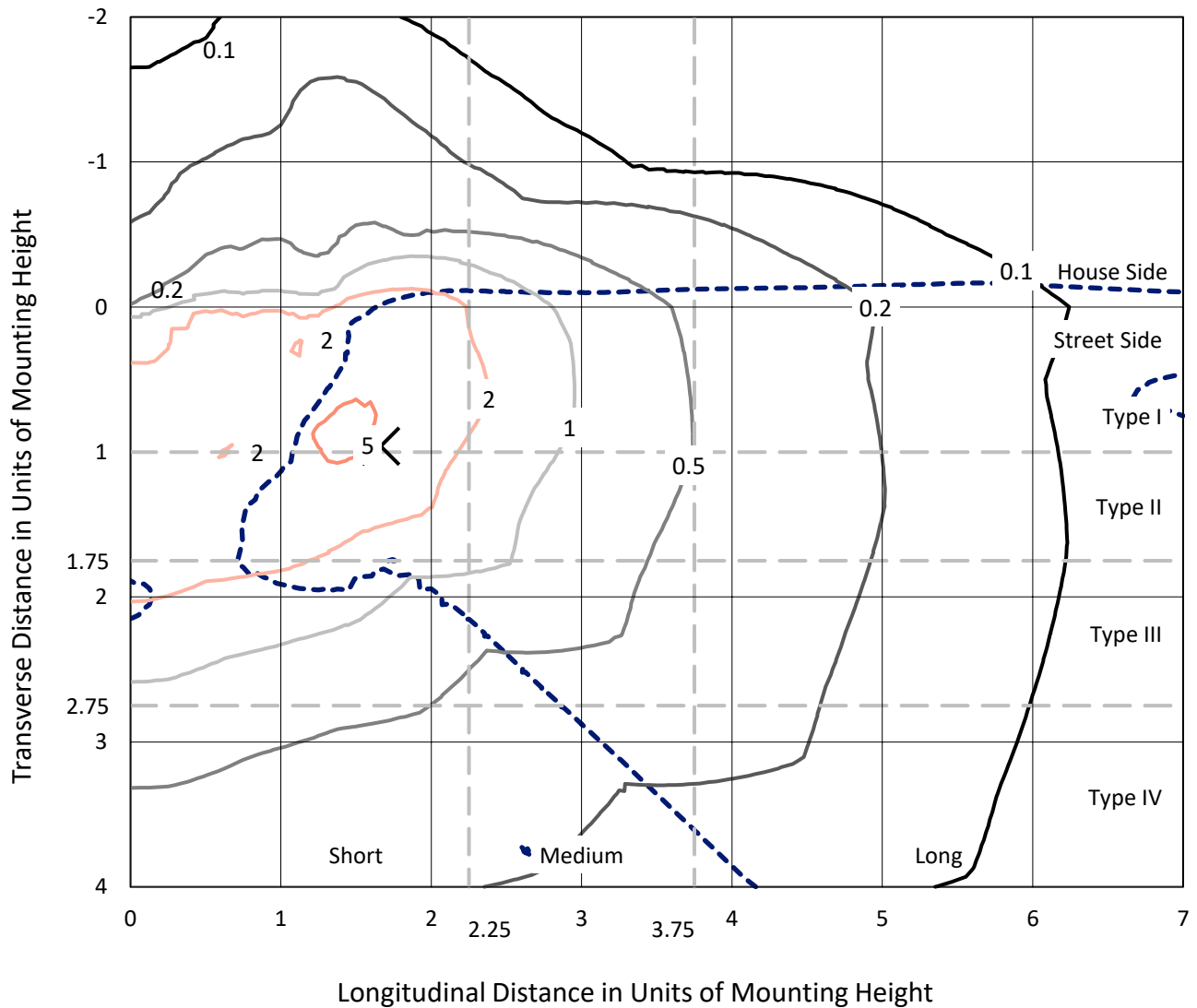
Lumens per Lamp: N/A  
Luminaire Lumens: 6953 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G5  
  
Input Watts (W): 62.6  
Input Voltage (V): 120  
Input 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

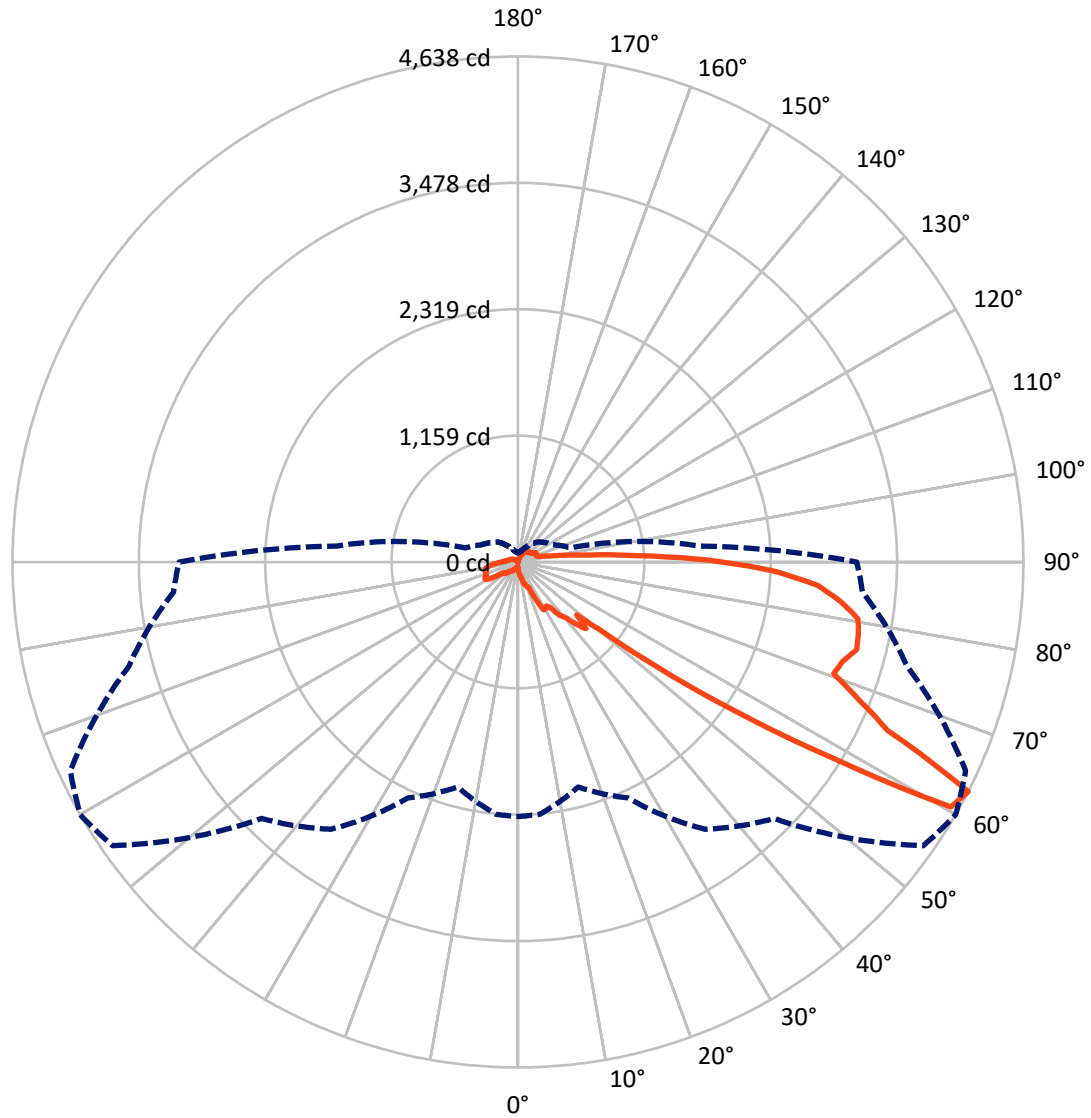
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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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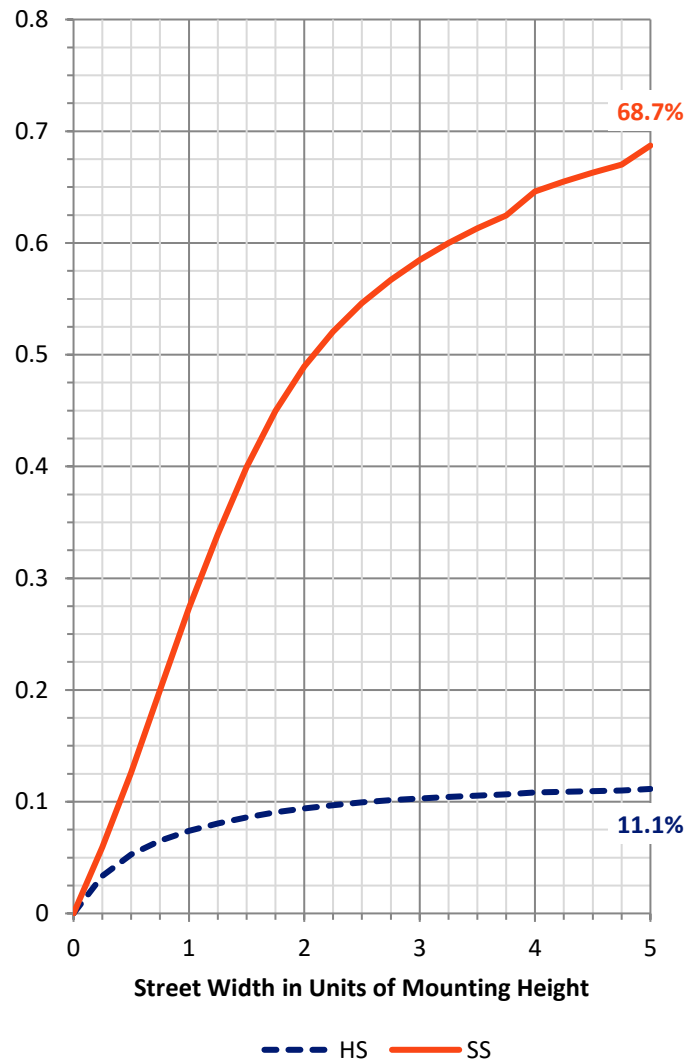
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	815.7	162.6	978.3
	% Fixture	11.7	2.3	14.1
<b>Street Side</b>	Lumens	5311.1	663.6	5974.7
	% Fixture	76.4	9.5	85.9
<b>Total</b>	Lumens	6126.7	826.3	6953.0
	% Fixture	88.1	11.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	33.4	0.5
20°-30°	99.4	1.4
30°-40°	199.8	2.9
40°-50°	351.6	5.1
50°-60°	970.7	14.0
60°-70°	1678.3	24.1
70°-80°	1557.9	22.4
80°-90°	1228.4	17.7
90°-100°	389.8	5.6
100°-110°	139.0	2.0
110°-120°	114.2	1.6
120°-130°	75.1	1.1
130°-140°	53.5	0.8
140°-150°	34.6	0.5
150°-160°	15.9	0.2
160°-170°	3.9	0.1
170°-180°	0.1	0.0
0°-90°	6126.7	88.1
0°-180°	6953.0	100.0



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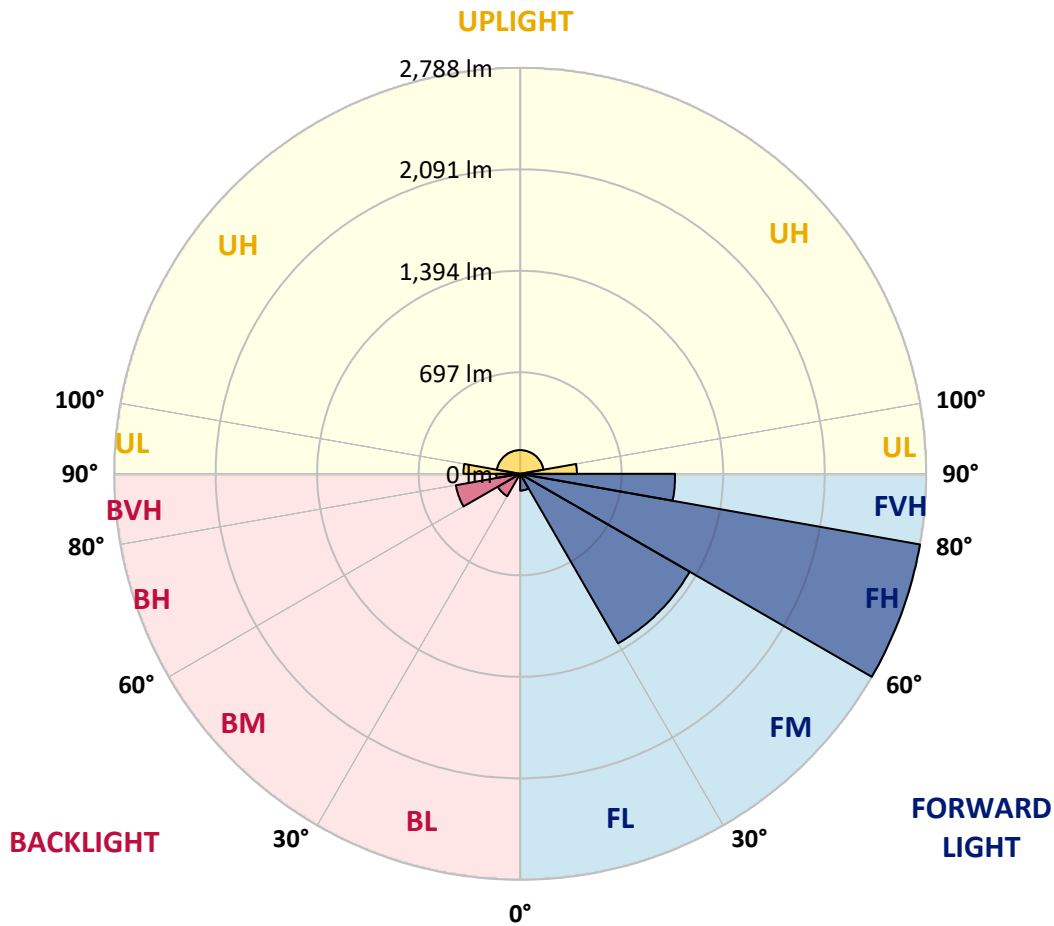
CATALOG NUMBER: ARC-CA6-130-722-U-33-X-5-X-GHSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.4	1.7			
FM (30°-60°)	1344.4	19.3			
FH (60°-80°)	2787.5	40.1			G2/5000
FVH (80°-90°)	1063.7	15.3			G5
BL (0°-30°)	24.7	0.4	B0/110		
BM (30°-60°)	177.6	2.6	B0/220		
BH (60°-80°)	448.7	6.5	B1/500		G1/500
BVH (80°-90°)	164.7	2.4			G2/225
UL (90°-100°)	389.8	5.6		U3/500	
UH (100°-180°)	162.6	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°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	82.4	80.3	81.3	81.3	82.4	78.1	73.8	70.6	67.4	63.1	57.8
5°	117.7	115.6	112.4	111.3	109.1	104.9	98.4	96.3	89.9	81.3	70.6
7.5°	143.4	142.3	141.2	138.0	135.9	129.5	122.0	118.8	111.3	99.5	86.7
10°	162.6	162.6	163.7	158.4	148.7	143.4	137.0	134.8	129.5	113.4	97.4
12.5°	178.7	176.6	168.0	163.7	159.4	160.5	161.6	160.5	158.4	131.6	109.1
15°	193.7	191.5	185.1	179.8	176.6	187.3	210.8	208.7	207.6	165.9	127.3
17.5°	204.4	204.4	210.8	215.1	220.4	204.4	200.1	206.5	214.0	183.0	144.5
20°	235.4	231.1	225.8	221.5	248.2	236.5	240.8	248.2	253.6	204.4	158.4
22.5°	221.5	222.6	246.1	254.7	241.8	235.4	250.4	253.6	254.7	234.3	164.8
25°	302.8	288.9	280.3	307.1	305.0	352.0	366.0	375.6	375.6	317.8	230.1
27.5°	418.4	418.4	454.8	525.4	513.6	514.7	498.6	497.6	517.9	537.2	349.9
30°	453.7	465.5	567.1	602.4	640.9	592.8	540.4	499.7	508.3	612.1	407.7
32.5°	464.4	475.1	598.1	559.6	573.5	554.3	561.8	479.4	459.0	563.9	397.0
35°	405.5	420.5	521.1	471.9	445.1	502.9	572.5	513.6	504.0	463.3	359.5
37.5°	541.4	548.9	584.2	576.7	585.3	588.5	672.0	618.5	629.2	559.6	454.8
40°	621.7	613.1	751.2	784.3	771.5	759.7	752.2	669.8	682.7	648.4	615.3
42.5°	764.0	754.4	851.7	872.1	875.3	844.3	879.6	775.8	743.7	673.1	766.1
45°	773.6	779.0	871.0	818.6	873.1	929.9	994.1	874.2	816.4	697.7	890.3
47.5°	684.8	708.4	910.6	864.6	811.1	760.8	785.4	724.4	677.3	552.1	856.0
50°	698.7	708.4	837.8	783.3	651.6	806.8	1023.0	979.1	927.7	684.8	825.0
52.5°	988.7	984.4	1041.1	1044.4	1077.5	1211.3	1638.2	1602.9	1611.5	1333.3	1228.4
55°	1355.7	1353.6	1497.0	1726.0	1915.4	1980.6	2538.1	2399.0	2335.9	2066.2	2169.0
57.5°	1752.7	1770.9	1834.0	2155.0	2479.3	2563.8	3436.9	3365.3	3226.1	2695.4	2969.3
60°	2171.1	2160.4	2067.3	2278.1	2797.1	3218.7	4528.4	4562.6	4285.5	3393.1	3241.1
62.5°	2335.9	2322.0	2136.9	2388.3	2992.9	3327.8	4539.1	4637.5	4531.6	3694.8	3172.6
65°	2308.1	2276.0	2029.9	2227.8	2526.3	2831.3	4052.2	3725.9	3899.2	3778.3	2999.3
67.5°	2198.9	2191.4	1962.4	2071.6	2266.3	2305.9	3701.2	3371.7	3433.7	3853.2	3050.7
70°	2062.0	2059.8	1886.5	1968.9	2246.0	2205.3	3426.2	3072.1	3035.7	3448.7	3063.5
72.5°	2066.2	2064.1	1872.6	1900.4	2197.8	2131.5	3397.4	3114.9	3048.5	3249.7	2915.8
75°	2101.5	2103.7	1900.4	1931.4	2265.3	2146.5	3465.8	3210.1	3142.7	3230.4	2798.1
77.5°	2067.3	2084.4	1884.3	1953.9	2308.1	2144.3	3433.7	3191.9	3096.7	3072.1	2573.4
80°	1952.8	1976.3	1796.6	1876.8	2269.5	2173.2	3407.0	3164.1	3043.2	2908.3	2411.9
82.5°	1713.1	1737.7	1599.7	1673.5	2111.2	2054.5	3219.7	2984.3	2876.2	2640.8	2201.1
85°	1472.4	1529.1	1461.7	1472.4	1864.0	1881.1	2967.2	2759.6	2684.7	2479.3	2129.4
87.5°	1215.6	1264.8	1201.6	1125.7	1396.4	1494.8	2453.6	2350.9	2330.5	2188.2	1847.9
90°	899.9	944.8	907.4	807.9	945.9	1008.0	1808.4	1751.6	1795.5	1632.9	1270.1
92.5°	652.7	660.2	616.3	533.9	630.2	660.2	1185.6	1098.9	1150.3	1000.5	744.7
95°	436.6	454.8	420.5	385.2	456.9	460.1	730.8	666.6	638.8	574.6	445.1
97.5°	319.9	321.0	308.2	276.1	321.0	325.3	485.8	437.6	413.0	386.3	308.2
100°	253.6	253.6	234.3	214.0	223.6	232.2	338.1	305.0	292.1	280.3	232.2
102.5°	221.5	220.4	204.4	184.0	183.0	187.3	255.7	233.3	223.6	216.1	183.0
105°	209.7	208.7	192.6	171.2	165.9	162.6	212.9	198.0	191.5	185.1	164.8
107.5°	207.6	205.4	189.4	170.1	161.6	153.0	191.5	178.7	179.8	173.3	158.4
110°	209.7	209.7	195.8	184.0	170.1	158.4	192.6	178.7	183.0	180.8	164.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	204.4	209.7	204.4	196.9	181.9	172.3	201.2	185.1	190.5	190.5	170.1
115°	192.6	198.0	198.0	190.5	176.6	173.3	199.0	185.1	187.3	184.0	158.4
117.5°	176.6	179.8	177.6	169.1	157.3	155.2	185.1	178.7	178.7	169.1	147.7
120°	164.8	158.4	149.8	143.4	137.0	142.3	166.9	160.5	155.2	150.9	134.8
122.5°	147.7	140.2	130.5	127.3	123.1	130.5	151.9	146.6	141.2	139.1	127.3
125°	122.0	122.0	117.7	115.6	114.5	125.2	149.8	144.5	137.0	132.7	118.8
127.5°	117.7	117.7	114.5	112.4	113.4	126.3	146.6	141.2	132.7	127.3	114.5
130°	118.8	116.6	112.4	109.1	110.2	125.2	145.5	139.1	130.5	126.3	114.5
132.5°	112.4	110.2	107.0	104.9	103.8	118.8	138.0	134.8	128.4	118.8	105.9
135°	109.1	107.0	104.9	103.8	103.8	115.6	131.6	128.4	122.0	111.3	97.4
137.5°	108.1	105.9	101.7	100.6	99.5	110.2	123.1	120.9	114.5	104.9	93.1
140°	102.7	99.5	96.3	95.2	95.2	103.8	116.6	114.5	108.1	100.6	89.9
142.5°	95.2	93.1	89.9	89.9	91.0	99.5	113.4	112.4	104.9	96.3	86.7
145°	91.0	88.8	86.7	87.7	88.8	96.3	107.0	105.9	100.6	93.1	83.5
147.5°	83.5	82.4	80.3	79.2	81.3	87.7	99.5	99.5	96.3	86.7	77.0
150°	72.8	71.7	69.6	68.5	70.6	77.0	86.7	86.7	83.5	73.8	65.3
152.5°	61.0	59.9	59.9	61.0	63.1	66.3	74.9	76.0	72.8	63.1	55.6
155°	53.5	52.4	52.4	53.5	56.7	59.9	65.3	65.3	62.1	55.6	48.2
157.5°	46.0	44.9	44.9	46.0	49.2	51.4	56.7	55.6	53.5	48.2	41.7
160°	35.3	34.2	34.2	35.3	38.5	40.7	44.9	44.9	43.9	40.7	35.3
162.5°	26.8	25.7	25.7	26.8	28.9	30.0	33.2	34.2	34.2	32.1	27.8
165°	20.3	19.3	19.3	19.3	21.4	22.5	23.5	23.5	23.5	22.5	19.3
167.5°	12.8	11.8	11.8	12.8	13.9	13.9	15.0	15.0	13.9	13.9	11.8
170°	6.4	5.4	5.4	6.4	6.4	6.4	5.4	4.3	4.3	4.3	4.3
172.5°	2.1	1.1	3.2	3.2	2.1	0.0	0.0	1.1	1.1	1.1	0.0
175°	2.1	1.1	3.2	3.2	2.1	0.0	0.0	1.1	0.0	1.1	0.0
177.5°	1.1	1.1	3.2	3.2	2.1	0.0	0.0	0.0	0.0	1.1	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	55.6	54.6	50.3	43.9	37.5	31.0	30.0	31.0	32.1	33.2	34.2
5°	66.3	62.1	53.5	43.9	35.3	26.8	22.5	20.3	19.3	20.3	21.4
7.5°	80.3	74.9	64.2	52.4	41.7	33.2	27.8	22.5	19.3	19.3	20.3
10°	89.9	83.5	70.6	57.8	47.1	37.5	31.0	25.7	22.5	20.3	20.3
12.5°	100.6	92.0	74.9	61.0	49.2	40.7	34.2	28.9	25.7	23.5	23.5
15°	112.4	102.7	82.4	64.2	52.4	42.8	37.5	32.1	27.8	25.7	25.7
17.5°	131.6	115.6	86.7	67.4	54.6	44.9	38.5	33.2	28.9	26.8	26.8
20°	140.2	122.0	87.7	70.6	57.8	47.1	39.6	33.2	30.0	27.8	27.8
22.5°	140.2	120.9	89.9	72.8	61.0	49.2	40.7	34.2	30.0	27.8	27.8
25°	176.6	132.7	92.0	78.1	64.2	51.4	42.8	35.3	31.0	28.9	28.9
27.5°	247.2	173.3	105.9	83.5	68.5	54.6	44.9	37.5	32.1	30.0	30.0
30°	271.8	193.7	120.9	97.4	74.9	57.8	47.1	39.6	34.2	31.0	31.0
32.5°	277.1	190.5	129.5	107.0	85.6	63.1	49.2	41.7	35.3	32.1	32.1
35°	250.4	176.6	129.5	111.3	92.0	70.6	54.6	43.9	36.4	33.2	32.1
37.5°	292.1	190.5	132.7	112.4	95.2	76.0	61.0	47.1	38.5	34.2	34.2
40°	377.7	225.8	148.7	118.8	96.3	79.2	67.4	52.4	41.7	36.4	36.4
42.5°	441.9	254.7	165.9	134.8	104.9	83.5	69.6	56.7	46.0	39.6	38.5
45°	496.5	282.5	180.8	149.8	119.8	93.1	73.8	61.0	50.3	43.9	42.8
47.5°	506.1	296.4	192.6	164.8	131.6	102.7	80.3	65.3	55.6	48.2	47.1
50°	489.0	297.5	196.9	174.4	144.5	113.4	87.7	70.6	59.9	52.4	52.4
52.5°	698.7	371.3	216.1	179.8	148.7	122.0	97.4	77.0	64.2	57.8	57.8
55°	1260.5	600.3	279.3	212.9	159.4	128.4	105.9	86.7	70.6	63.1	63.1
57.5°	2037.3	937.3	369.2	284.6	205.4	148.7	115.6	96.3	79.2	68.5	68.5
60°	2699.7	1322.6	449.4	346.7	269.6	204.4	140.2	109.1	88.8	76.0	74.9
62.5°	3108.4	1669.3	496.5	370.2	308.2	258.9	188.3	137.0	100.6	86.7	84.5
65°	3017.5	1842.6	516.8	368.1	306.0	276.1	224.7	170.1	120.9	99.5	96.3
67.5°	2771.4	1843.7	513.6	352.0	290.0	262.2	223.6	184.0	140.2	112.4	108.1
70°	2648.3	1811.6	497.6	340.3	277.1	245.0	207.6	169.1	138.0	119.8	117.7
72.5°	2589.5	1790.2	487.9	338.1	275.0	238.6	196.9	150.9	124.1	114.5	116.6
75°	2603.4	1803.0	492.2	341.3	279.3	241.8	192.6	140.2	109.1	98.4	100.6
77.5°	2572.4	1777.3	498.6	340.3	277.1	236.5	179.8	128.4	99.5	88.8	87.7
80°	2598.0	1721.7	483.7	329.6	261.1	215.1	159.4	114.5	91.0	83.5	82.4
82.5°	2401.2	1499.1	430.2	300.7	236.5	185.1	133.8	100.6	85.6	77.0	77.0
85°	2201.1	1215.6	369.2	264.3	194.7	145.5	107.0	87.7	74.9	68.5	68.5
87.5°	1670.3	871.0	285.7	217.2	162.6	125.2	97.4	84.5	73.8	69.6	68.5
90°	1032.6	537.2	212.9	173.3	138.0	111.3	92.0	81.3	72.8	69.6	69.6
92.5°	577.8	343.5	164.8	142.3	118.8	99.5	84.5	73.8	66.3	63.1	63.1
95°	391.6	256.8	141.2	127.3	105.9	87.7	73.8	64.2	57.8	53.5	53.5
97.5°	283.6	202.2	125.2	114.5	95.2	77.0	65.3	55.6	50.3	48.2	48.2
100°	217.2	163.7	113.4	102.7	84.5	67.4	56.7	48.2	42.8	40.7	40.7
102.5°	174.4	138.0	102.7	93.1	74.9	59.9	48.2	39.6	35.3	34.2	33.2
105°	157.3	128.4	96.3	86.7	68.5	54.6	42.8	35.3	31.0	28.9	28.9
107.5°	153.0	128.4	95.2	84.5	65.3	51.4	38.5	32.1	27.8	25.7	25.7
110°	162.6	135.9	96.3	82.4	61.0	47.1	35.3	28.9	24.6	23.5	23.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	168.0	137.0	92.0	77.0	56.7	42.8	33.2	26.8	23.5	21.4	21.4
115°	154.1	123.1	84.5	68.5	50.3	38.5	31.0	25.7	21.4	19.3	19.3
117.5°	148.7	115.6	82.4	59.9	46.0	35.3	28.9	23.5	20.3	18.2	18.2
120°	148.7	112.4	72.8	52.4	41.7	32.1	26.8	21.4	18.2	17.1	17.1
122.5°	143.4	103.8	64.2	46.0	36.4	27.8	23.5	19.3	17.1	15.0	15.0
125°	130.5	96.3	52.4	41.7	33.2	25.7	21.4	18.2	15.0	13.9	13.9
127.5°	123.1	95.2	49.2	38.5	30.0	23.5	19.3	16.1	12.8	11.8	11.8
130°	122.0	95.2	46.0	34.2	26.8	20.3	17.1	13.9	11.8	10.7	10.7
132.5°	109.1	86.7	43.9	32.1	24.6	19.3	16.1	12.8	10.7	9.6	9.6
135°	98.4	80.3	42.8	30.0	22.5	17.1	13.9	11.8	8.6	8.6	8.6
137.5°	91.0	73.8	42.8	27.8	20.3	15.0	12.8	10.7	7.5	7.5	7.5
140°	85.6	68.5	41.7	26.8	18.2	13.9	11.8	8.6	6.4	6.4	6.4
142.5°	80.3	64.2	38.5	25.7	17.1	11.8	10.7	8.6	6.4	5.4	5.4
145°	73.8	58.9	34.2	23.5	16.1	10.7	9.6	7.5	5.4	4.3	4.3
147.5°	67.4	52.4	30.0	20.3	15.0	9.6	8.6	6.4	4.3	4.3	4.3
150°	57.8	44.9	26.8	18.2	12.8	8.6	7.5	5.4	4.3	3.2	3.2
152.5°	47.1	38.5	23.5	16.1	11.8	7.5	6.4	4.3	3.2	2.1	2.1
155°	41.7	34.2	21.4	13.9	9.6	6.4	5.4	3.2	3.2	2.1	2.1
157.5°	36.4	30.0	19.3	11.8	7.5	4.3	4.3	3.2	2.1	2.1	1.1
160°	30.0	25.7	16.1	9.6	6.4	3.2	3.2	2.1	2.1	1.1	1.1
162.5°	23.5	19.3	11.8	7.5	4.3	2.1	2.1	2.1	2.1	1.1	0.0
165°	16.1	13.9	8.6	5.4	3.2	1.1	1.1	2.1	1.1	1.1	0.0
167.5°	10.7	8.6	5.4	3.2	2.1	0.0	1.1	1.1	1.1	1.1	0.0
170°	4.3	4.3	3.2	2.1	0.0	0.0	0.0	1.1	1.1	1.1	0.0
172.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0
175°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	0.0
177.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)