

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: P588598

Luminaire Tested: **ARC-CA6-120-760-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588598  
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-CA6-120-760-U-33-X-5-X-GHSS  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD  
Light Source: (3) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

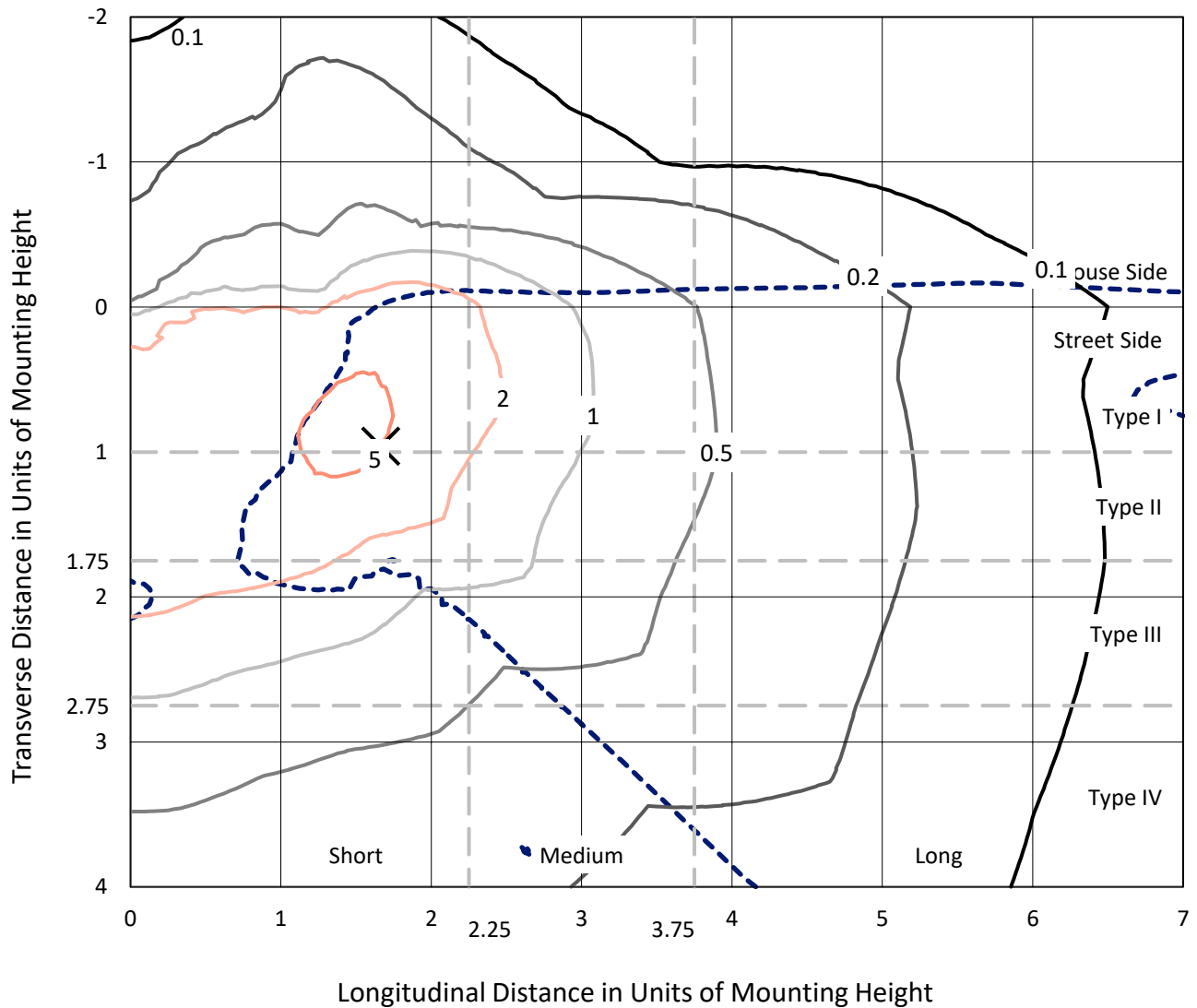
Lumens per Lamp: N/A  
Luminaire Lumens: 7908 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G5  
  
Input Watts (W): 59.8  
Input Voltage (V): 120  
Input 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

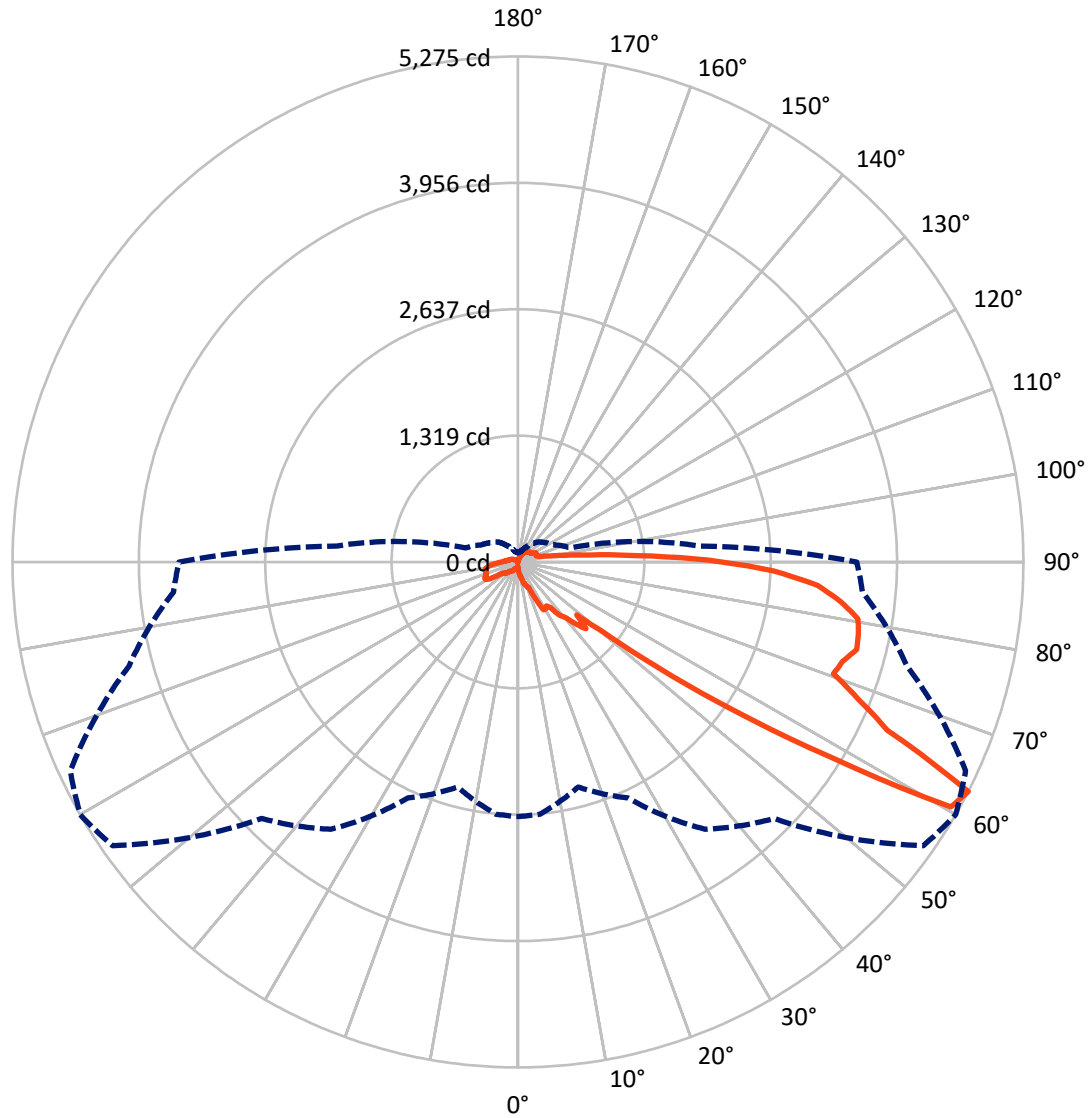
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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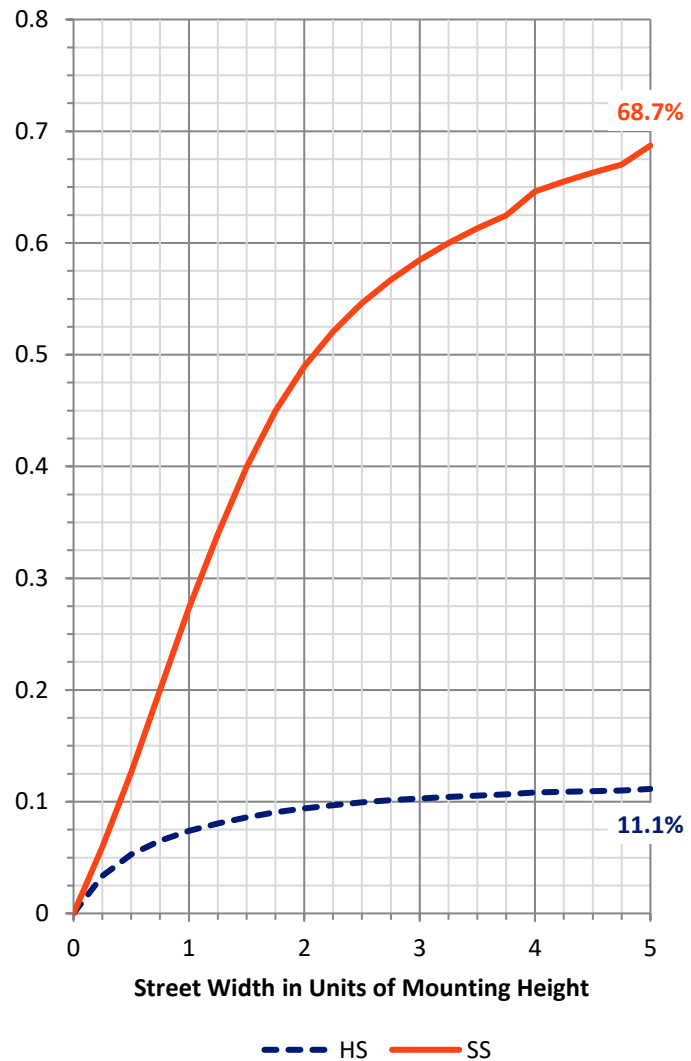
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	927.7	185.0	1112.6
	% Fixture	11.7	2.3	14.1
<b>Street Side</b>	Lumens	6040.5	754.8	6795.3
	% Fixture	76.4	9.5	85.9
<b>Total</b>	Lumens	6968.2	939.8	7908.0
	% Fixture	88.1	11.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	38.0	0.5
20°-30°	113.1	1.4
30°-40°	227.2	2.9
40°-50°	399.9	5.1
50°-60°	1104.0	14.0
60°-70°	1908.9	24.1
70°-80°	1771.8	22.4
80°-90°	1397.1	17.7
90°-100°	443.3	5.6
100°-110°	158.2	2.0
110°-120°	129.9	1.6
120°-130°	85.5	1.1
130°-140°	60.8	0.8
140°-150°	39.4	0.5
150°-160°	18.1	0.2
160°-170°	4.5	0.1
170°-180°	0.2	0.0
0°-90°	6968.2	88.1
0°-180°	7908.0	100.0



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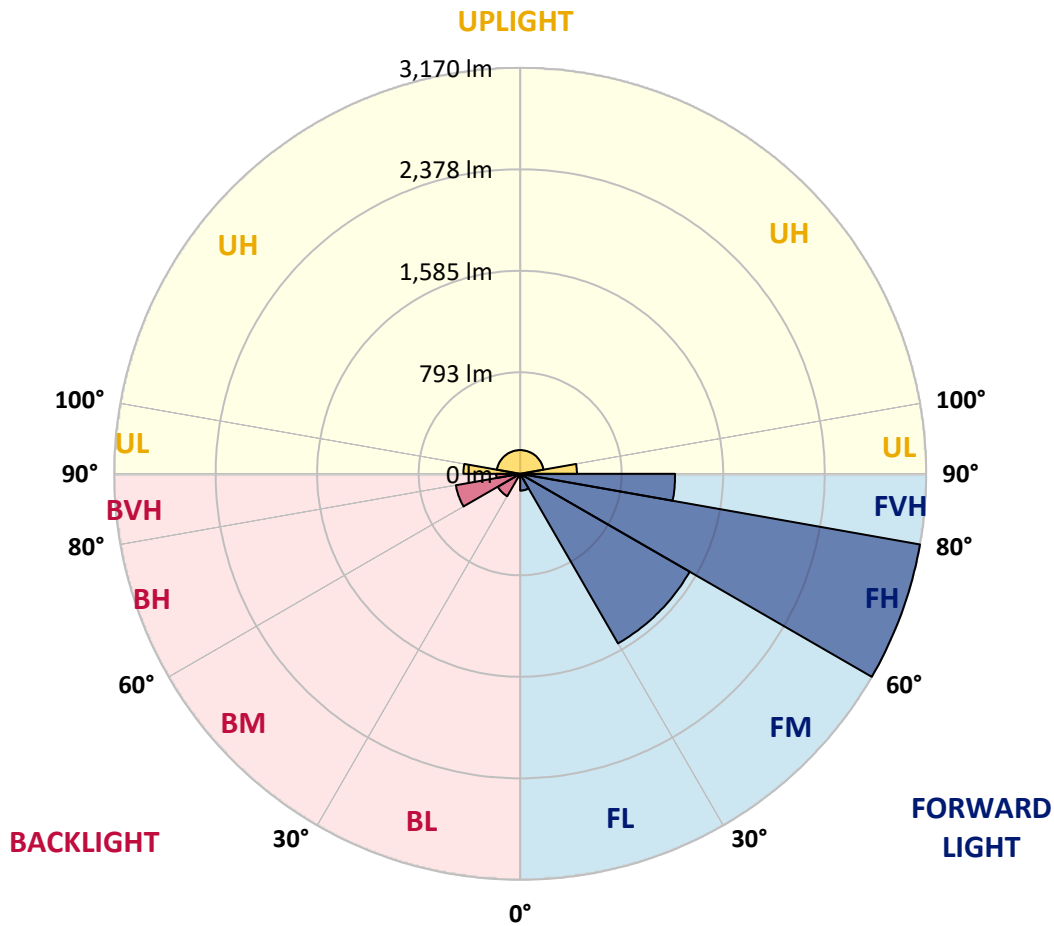
CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X-GHSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.3	1.7			
FM (30°-60°)	1529.1	19.3			
FH (60°-80°)	3170.4	40.1			G2/5000
FVH (80°-90°)	1209.8	15.3			G5
BL (0°-30°)	28.1	0.4	B0/110		
BM (30°-60°)	202.0	2.6	B0/220		
BH (60°-80°)	510.3	6.5	B2/1000		G2/1000
BVH (80°-90°)	187.3	2.4			G2/225
UL (90°-100°)	443.3	5.6		U3/500	
UH (100°-180°)	185.0	2.3		U3/500	

**BUG Rating: B2-U3-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	93.7	91.3	92.5	92.5	93.7	88.8	84.0	80.3	76.7	71.8	65.7
5°	133.9	131.4	127.8	126.6	124.1	119.3	112.0	109.5	102.2	92.5	80.3
7.5°	163.1	161.9	160.6	157.0	154.6	147.3	138.7	135.1	126.6	113.2	98.6
10°	185.0	185.0	186.2	180.1	169.2	163.1	155.8	153.3	147.3	129.0	110.7
12.5°	203.2	200.8	191.1	186.2	181.3	182.6	183.8	182.6	180.1	149.7	124.1
15°	220.3	217.8	210.5	204.5	200.8	213.0	239.7	237.3	236.1	188.6	144.8
17.5°	232.4	232.4	239.7	244.6	250.7	232.4	227.6	234.9	243.4	208.1	164.3
20°	267.7	262.9	256.8	251.9	282.3	269.0	273.8	282.3	288.4	232.4	180.1
22.5°	251.9	253.1	279.9	289.6	275.0	267.7	284.8	288.4	289.6	266.5	187.4
25°	344.4	328.6	318.9	349.3	346.8	400.4	416.2	427.2	427.2	361.4	261.7
27.5°	475.8	475.8	517.2	597.5	584.2	585.4	567.1	565.9	589.0	610.9	398.0
30°	516.0	529.4	645.0	685.2	729.0	674.2	614.6	568.3	578.1	696.1	463.7
32.5°	528.2	540.3	680.3	636.5	652.3	630.4	638.9	545.2	522.1	641.4	451.5
35°	461.2	478.3	592.7	536.7	506.3	572.0	651.1	584.2	573.2	527.0	408.9
37.5°	615.8	624.3	664.5	656.0	665.7	669.4	764.3	703.4	715.6	636.5	517.2
40°	707.1	697.3	854.3	892.1	877.5	864.1	855.6	761.8	776.4	737.5	699.8
42.5°	868.9	858.0	968.7	991.9	995.5	960.2	1000.4	882.3	845.8	765.5	871.4
45°	879.9	886.0	990.6	931.0	993.1	1057.6	1130.6	994.3	928.6	793.5	1012.5
47.5°	778.9	805.7	1035.7	983.3	922.5	865.3	893.3	823.9	770.4	628.0	973.6
50°	794.7	805.7	952.9	890.8	741.2	917.6	1163.5	1113.6	1055.1	778.9	938.3
52.5°	1124.5	1119.6	1184.1	1187.8	1225.5	1377.6	1863.2	1823.1	1832.8	1516.4	1397.1
55°	1541.9	1539.5	1702.6	1963.0	2178.4	2252.7	2886.7	2728.5	2656.7	2350.0	2466.9
57.5°	1993.4	2014.1	2085.9	2451.0	2819.8	2915.9	3909.0	3827.5	3669.3	3065.6	3377.2
60°	2469.3	2457.1	2351.2	2591.0	3181.2	3660.7	5150.4	5189.3	4874.1	3859.1	3686.3
62.5°	2656.7	2640.9	2430.4	2716.3	3404.0	3784.9	5162.5	5274.5	5154.0	4202.3	3608.4
65°	2625.1	2588.6	2308.7	2533.8	2873.3	3220.2	4608.8	4237.6	4434.8	4297.2	3411.3
67.5°	2500.9	2492.4	2232.0	2356.1	2577.6	2622.6	4209.6	3834.8	3905.4	4382.4	3469.7
70°	2345.2	2342.7	2145.6	2239.3	2554.5	2508.2	3896.8	3494.0	3452.6	3922.4	3484.3
72.5°	2350.0	2347.6	2129.8	2161.4	2499.7	2424.3	3864.0	3542.7	3467.2	3696.0	3316.3
75°	2390.2	2392.6	2161.4	2196.7	2576.4	2441.3	3941.9	3651.0	3574.3	3674.1	3182.5
77.5°	2351.2	2370.7	2143.1	2222.2	2625.1	2438.9	3905.4	3630.3	3522.0	3494.0	2926.9
80°	2221.0	2247.8	2043.3	2134.6	2581.3	2471.7	3874.9	3598.7	3461.2	3307.8	2743.1
82.5°	1948.4	1976.4	1819.4	1903.4	2401.1	2336.6	3662.0	3394.2	3271.3	3003.6	2503.4
85°	1674.6	1739.1	1662.4	1674.6	2120.0	2139.5	3374.7	3138.6	3053.5	2819.8	2421.8
87.5°	1382.5	1438.5	1366.7	1280.3	1588.2	1700.2	2790.6	2673.8	2650.6	2488.8	2101.8
90°	1023.5	1074.6	1032.0	918.8	1075.8	1146.4	2056.7	1992.2	2042.1	1857.1	1444.6
92.5°	742.4	750.9	701.0	607.3	716.8	750.9	1348.4	1249.9	1308.3	1137.9	847.0
95°	496.5	517.2	478.3	438.1	519.7	523.3	831.2	758.2	726.6	653.5	506.3
97.5°	363.9	365.1	350.5	314.0	365.1	370.0	552.5	497.8	469.8	439.3	350.5
100°	288.4	288.4	266.5	243.4	254.4	264.1	384.6	346.8	332.2	318.9	264.1
102.5°	251.9	250.7	232.4	209.3	208.1	213.0	290.9	265.3	254.4	245.8	208.1
105°	238.5	237.3	219.1	194.7	188.6	185.0	242.2	225.1	217.8	210.5	187.4
107.5°	236.1	233.7	215.4	193.5	183.8	174.0	217.8	203.2	204.5	197.2	180.1
110°	238.5	238.5	222.7	209.3	193.5	180.1	219.1	203.2	208.1	205.7	187.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	232.4	238.5	232.4	223.9	206.9	195.9	228.8	210.5	216.6	216.6	193.5
115°	219.1	225.1	225.1	216.6	200.8	197.2	226.4	210.5	213.0	209.3	180.1
117.5°	200.8	204.5	202.0	192.3	178.9	176.5	210.5	203.2	203.2	192.3	167.9
120°	187.4	180.1	170.4	163.1	155.8	161.9	189.9	182.6	176.5	171.6	153.3
122.5°	167.9	159.4	148.5	144.8	140.0	148.5	172.8	166.7	160.6	158.2	144.8
125°	138.7	138.7	133.9	131.4	130.2	142.4	170.4	164.3	155.8	150.9	135.1
127.5°	133.9	133.9	130.2	127.8	129.0	143.6	166.7	160.6	150.9	144.8	130.2
130°	135.1	132.7	127.8	124.1	125.4	142.4	165.5	158.2	148.5	143.6	130.2
132.5°	127.8	125.4	121.7	119.3	118.0	135.1	157.0	153.3	146.0	135.1	120.5
135°	124.1	121.7	119.3	118.0	118.0	131.4	149.7	146.0	138.7	126.6	110.7
137.5°	122.9	120.5	115.6	114.4	113.2	125.4	140.0	137.5	130.2	119.3	105.9
140°	116.8	113.2	109.5	108.3	108.3	118.0	132.7	130.2	122.9	114.4	102.2
142.5°	108.3	105.9	102.2	102.2	103.4	113.2	129.0	127.8	119.3	109.5	98.6
145°	103.4	101.0	98.6	99.8	101.0	109.5	121.7	120.5	114.4	105.9	94.9
147.5°	94.9	93.7	91.3	90.1	92.5	99.8	113.2	113.2	109.5	98.6	87.6
150°	82.8	81.5	79.1	77.9	80.3	87.6	98.6	98.6	94.9	84.0	74.2
152.5°	69.4	68.2	68.2	69.4	71.8	75.5	85.2	86.4	82.8	71.8	63.3
155°	60.9	59.6	59.6	60.9	64.5	68.2	74.2	74.2	70.6	63.3	54.8
157.5°	52.3	51.1	51.1	52.3	56.0	58.4	64.5	63.3	60.9	54.8	47.5
160°	40.2	38.9	38.9	40.2	43.8	46.2	51.1	51.1	49.9	46.2	40.2
162.5°	30.4	29.2	29.2	30.4	32.9	34.1	37.7	38.9	38.9	36.5	31.6
165°	23.1	21.9	21.9	21.9	24.3	25.6	26.8	26.8	26.8	25.6	21.9
167.5°	14.6	13.4	13.4	14.6	15.8	15.8	17.0	17.0	15.8	15.8	13.4
170°	7.3	6.1	6.1	7.3	7.3	7.3	6.1	4.9	4.9	4.9	4.9
172.5°	2.4	1.2	3.7	3.7	2.4	0.0	0.0	1.2	1.2	1.2	0.0
175°	2.4	1.2	3.7	3.7	2.4	0.0	0.0	1.2	0.0	1.2	0.0
177.5°	1.2	1.2	3.7	3.7	2.4	0.0	0.0	0.0	0.0	1.2	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	63.3	62.1	57.2	49.9	42.6	35.3	34.1	35.3	36.5	37.7	38.9
5°	75.5	70.6	60.9	49.9	40.2	30.4	25.6	23.1	21.9	23.1	24.3
7.5°	91.3	85.2	73.0	59.6	47.5	37.7	31.6	25.6	21.9	21.9	23.1
10°	102.2	94.9	80.3	65.7	53.5	42.6	35.3	29.2	25.6	23.1	23.1
12.5°	114.4	104.7	85.2	69.4	56.0	46.2	38.9	32.9	29.2	26.8	26.8
15°	127.8	116.8	93.7	73.0	59.6	48.7	42.6	36.5	31.6	29.2	29.2
17.5°	149.7	131.4	98.6	76.7	62.1	51.1	43.8	37.7	32.9	30.4	30.4
20°	159.4	138.7	99.8	80.3	65.7	53.5	45.0	37.7	34.1	31.6	31.6
22.5°	159.4	137.5	102.2	82.8	69.4	56.0	46.2	38.9	34.1	31.6	31.6
25°	200.8	150.9	104.7	88.8	73.0	58.4	48.7	40.2	35.3	32.9	32.9
27.5°	281.1	197.2	120.5	94.9	77.9	62.1	51.1	42.6	36.5	34.1	34.1
30°	309.1	220.3	137.5	110.7	85.2	65.7	53.5	45.0	38.9	35.3	35.3
32.5°	315.2	216.6	147.3	121.7	97.4	71.8	56.0	47.5	40.2	36.5	36.5
35°	284.8	200.8	147.3	126.6	104.7	80.3	62.1	49.9	41.4	37.7	36.5
37.5°	332.2	216.6	150.9	127.8	108.3	86.4	69.4	53.5	43.8	38.9	38.9
40°	429.6	256.8	169.2	135.1	109.5	90.1	76.7	59.6	47.5	41.4	41.4
42.5°	502.6	289.6	188.6	153.3	119.3	94.9	79.1	64.5	52.3	45.0	43.8
45°	564.7	321.3	205.7	170.4	136.3	105.9	84.0	69.4	57.2	49.9	48.7
47.5°	575.6	337.1	219.1	187.4	149.7	116.8	91.3	74.2	63.3	54.8	53.5
50°	556.2	338.3	223.9	198.4	164.3	129.0	99.8	80.3	68.2	59.6	59.6
52.5°	794.7	422.3	245.8	204.5	169.2	138.7	110.7	87.6	73.0	65.7	65.7
55°	1433.6	682.7	317.6	242.2	181.3	146.0	120.5	98.6	80.3	71.8	71.8
57.5°	2317.2	1066.1	419.9	323.7	233.7	169.2	131.4	109.5	90.1	77.9	77.9
60°	3070.5	1504.2	511.1	394.3	306.7	232.4	159.4	124.1	101.0	86.4	85.2
62.5°	3535.4	1898.5	564.7	421.1	350.5	294.5	214.2	155.8	114.4	98.6	96.1
65°	3431.9	2095.7	587.8	418.6	348.1	314.0	255.6	193.5	137.5	113.2	109.5
67.5°	3152.0	2096.9	584.2	400.4	329.8	298.2	254.4	209.3	159.4	127.8	122.9
70°	3012.1	2060.4	565.9	387.0	315.2	278.7	236.1	192.3	157.0	136.3	133.9
72.5°	2945.1	2036.0	555.0	384.6	312.8	271.4	223.9	171.6	141.2	130.2	132.7
75°	2961.0	2050.6	559.8	388.2	317.6	275.0	219.1	159.4	124.1	112.0	114.4
77.5°	2925.7	2021.4	567.1	387.0	315.2	269.0	204.5	146.0	113.2	101.0	99.8
80°	2954.9	1958.2	550.1	374.8	296.9	244.6	181.3	130.2	103.4	94.9	93.7
82.5°	2731.0	1705.0	489.2	342.0	269.0	210.5	152.1	114.4	97.4	87.6	87.6
85°	2503.4	1382.5	419.9	300.6	221.5	165.5	121.7	99.8	85.2	77.9	77.9
87.5°	1899.7	990.6	324.9	247.1	185.0	142.4	110.7	96.1	84.0	79.1	77.9
90°	1174.4	610.9	242.2	197.2	157.0	126.6	104.7	92.5	82.8	79.1	79.1
92.5°	657.2	390.7	187.4	161.9	135.1	113.2	96.1	84.0	75.5	71.8	71.8
95°	445.4	292.1	160.6	144.8	120.5	99.8	84.0	73.0	65.7	60.9	60.9
97.5°	322.5	230.0	142.4	130.2	108.3	87.6	74.2	63.3	57.2	54.8	54.8
100°	247.1	186.2	129.0	116.8	96.1	76.7	64.5	54.8	48.7	46.2	46.2
102.5°	198.4	157.0	116.8	105.9	85.2	68.2	54.8	45.0	40.2	38.9	37.7
105°	178.9	146.0	109.5	98.6	77.9	62.1	48.7	40.2	35.3	32.9	32.9
107.5°	174.0	146.0	108.3	96.1	74.2	58.4	43.8	36.5	31.6	29.2	29.2
110°	185.0	154.6	109.5	93.7	69.4	53.5	40.2	32.9	28.0	26.8	26.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	191.1	155.8	104.7	87.6	64.5	48.7	37.7	30.4	26.8	24.3	24.3
115°	175.2	140.0	96.1	77.9	57.2	43.8	35.3	29.2	24.3	21.9	21.9
117.5°	169.2	131.4	93.7	68.2	52.3	40.2	32.9	26.8	23.1	20.7	20.7
120°	169.2	127.8	82.8	59.6	47.5	36.5	30.4	24.3	20.7	19.5	19.5
122.5°	163.1	118.0	73.0	52.3	41.4	31.6	26.8	21.9	19.5	17.0	17.0
125°	148.5	109.5	59.6	47.5	37.7	29.2	24.3	20.7	17.0	15.8	15.8
127.5°	140.0	108.3	56.0	43.8	34.1	26.8	21.9	18.3	14.6	13.4	13.4
130°	138.7	108.3	52.3	38.9	30.4	23.1	19.5	15.8	13.4	12.2	12.2
132.5°	124.1	98.6	49.9	36.5	28.0	21.9	18.3	14.6	12.2	11.0	11.0
135°	112.0	91.3	48.7	34.1	25.6	19.5	15.8	13.4	9.7	9.7	9.7
137.5°	103.4	84.0	48.7	31.6	23.1	17.0	14.6	12.2	8.5	8.5	8.5
140°	97.4	77.9	47.5	30.4	20.7	15.8	13.4	9.7	7.3	7.3	7.3
142.5°	91.3	73.0	43.8	29.2	19.5	13.4	12.2	9.7	7.3	6.1	6.1
145°	84.0	66.9	38.9	26.8	18.3	12.2	11.0	8.5	6.1	4.9	4.9
147.5°	76.7	59.6	34.1	23.1	17.0	11.0	9.7	7.3	4.9	4.9	4.9
150°	65.7	51.1	30.4	20.7	14.6	9.7	8.5	6.1	4.9	3.7	3.7
152.5°	53.5	43.8	26.8	18.3	13.4	8.5	7.3	4.9	3.7	2.4	2.4
155°	47.5	38.9	24.3	15.8	11.0	7.3	6.1	3.7	3.7	2.4	2.4
157.5°	41.4	34.1	21.9	13.4	8.5	4.9	4.9	3.7	2.4	2.4	1.2
160°	34.1	29.2	18.3	11.0	7.3	3.7	3.7	2.4	2.4	1.2	1.2
162.5°	26.8	21.9	13.4	8.5	4.9	2.4	2.4	2.4	2.4	1.2	0.0
165°	18.3	15.8	9.7	6.1	3.7	1.2	1.2	2.4	1.2	1.2	0.0
167.5°	12.2	9.7	6.1	3.7	2.4	0.0	1.2	1.2	1.2	1.2	0.0
170°	4.9	4.9	3.7	2.4	0.0	0.0	0.0	1.2	1.2	1.2	0.0
172.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0
175°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	0.0
177.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)