

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: P588440

Luminaire Tested: **ARC-CA6-130-760-U-33-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588440  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-130-760-U-33-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

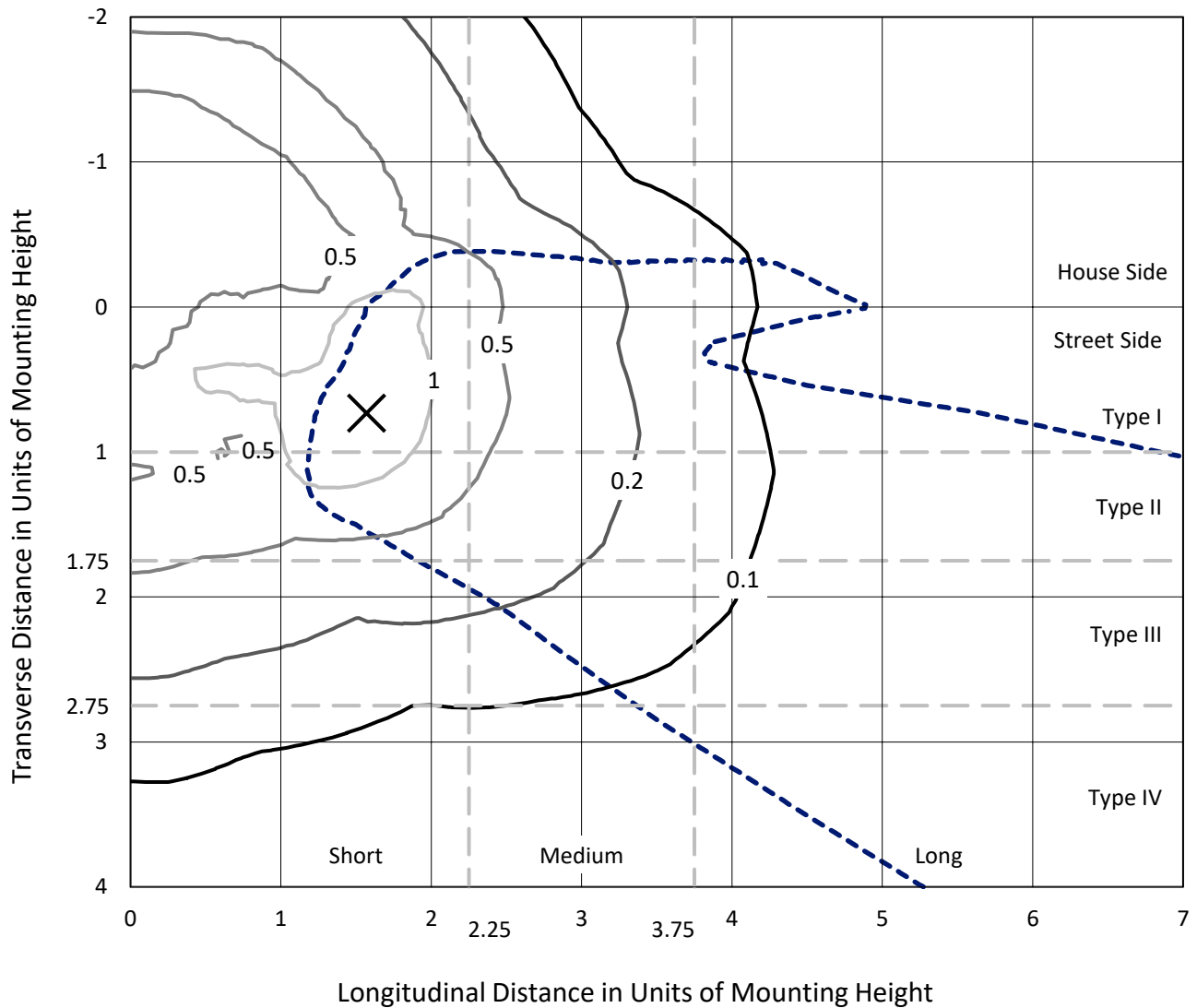
Lumens per Lamp: N/A  
Luminaire Lumens: 16822 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G5  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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

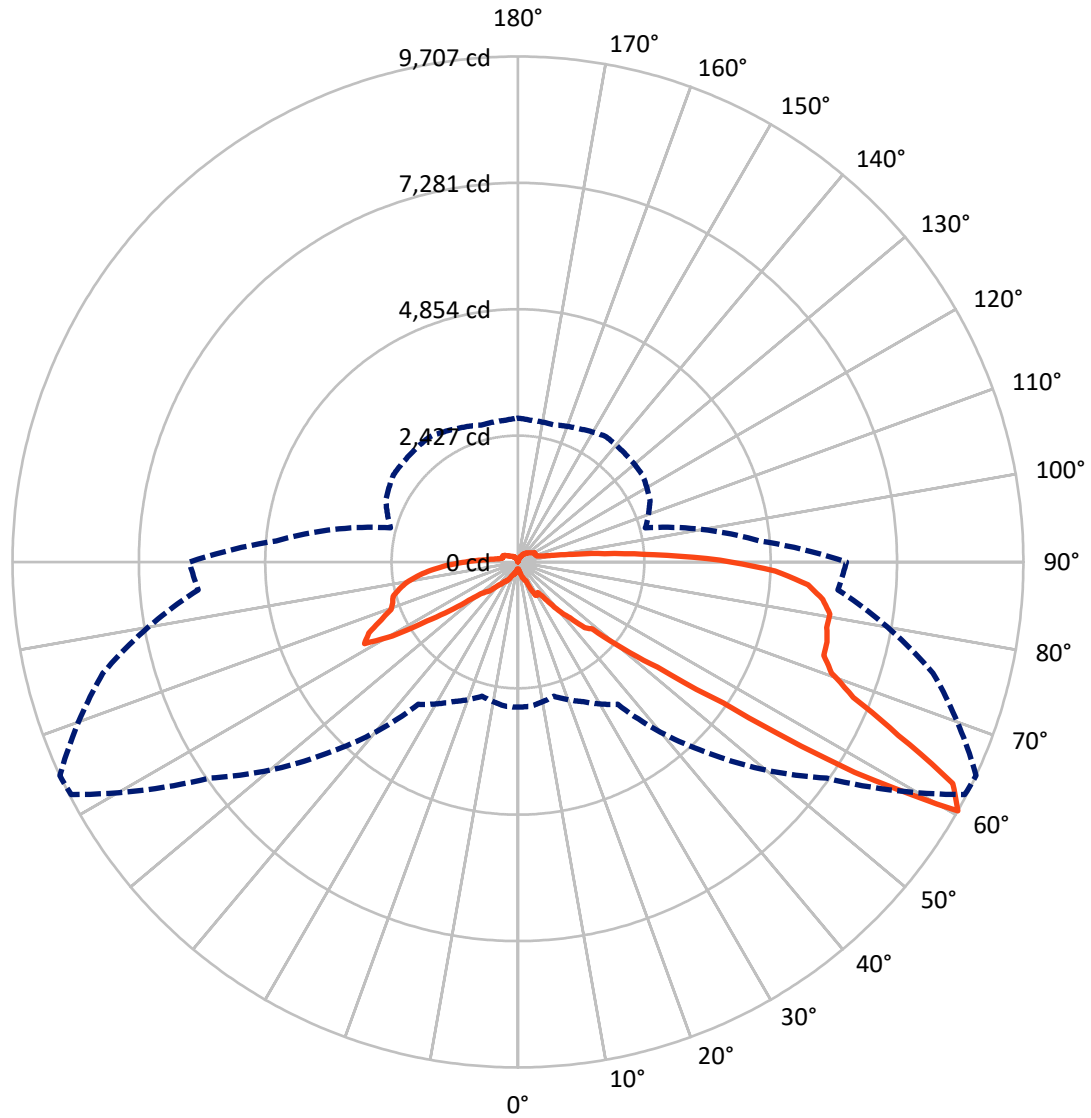
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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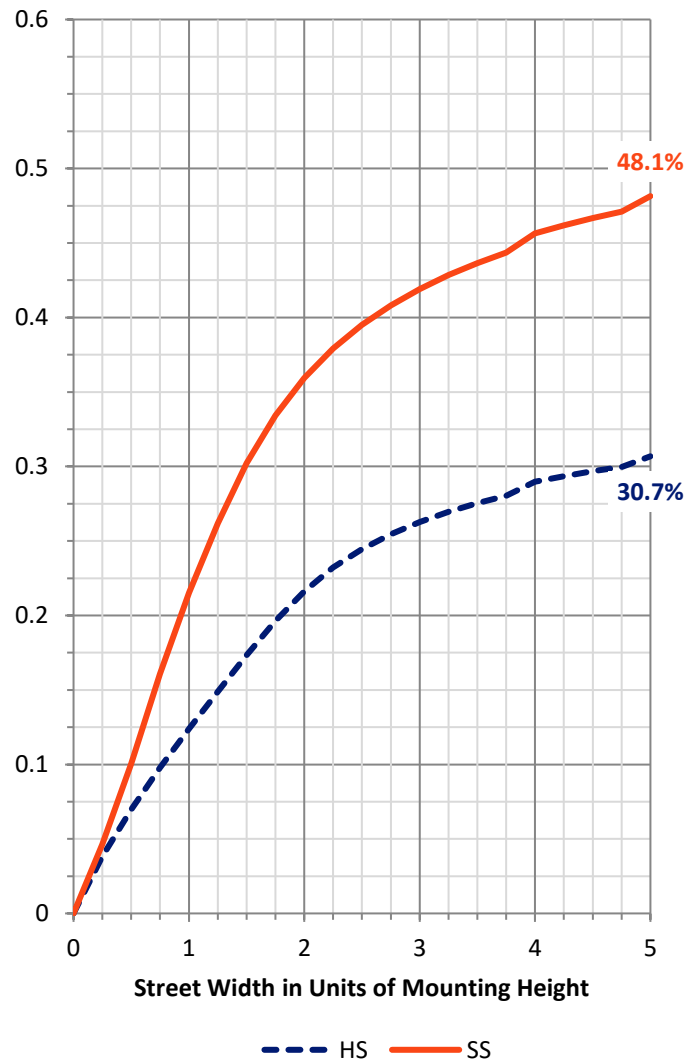
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5609.7	898.4	6508.1
	% Fixture	33.3	5.3	38.7
<b>Street Side</b>	Lumens	8974.9	1339.0	10313.9
	% Fixture	53.4	8.0	61.3
<b>Total</b>	Lumens	14584.6	2237.4	16822.0
	% Fixture	86.7	13.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.1	0.1
10°-20°	71.8	0.4
20°-30°	205.5	1.2
30°-40°	442.5	2.6
40°-50°	837.2	5.0
50°-60°	2338.8	13.9
60°-70°	4169.7	24.8
70°-80°	3650.6	21.7
80°-90°	2852.4	17.0
90°-100°	1078.4	6.4
100°-110°	370.9	2.2
110°-120°	303.3	1.8
120°-130°	203.8	1.2
130°-140°	139.8	0.8
140°-150°	87.9	0.5
150°-160°	40.8	0.2
160°-170°	11.5	0.1
170°-180°	1.0	0.0
0°-90°	14584.6	86.7
0°-180°	16822.0	100.0



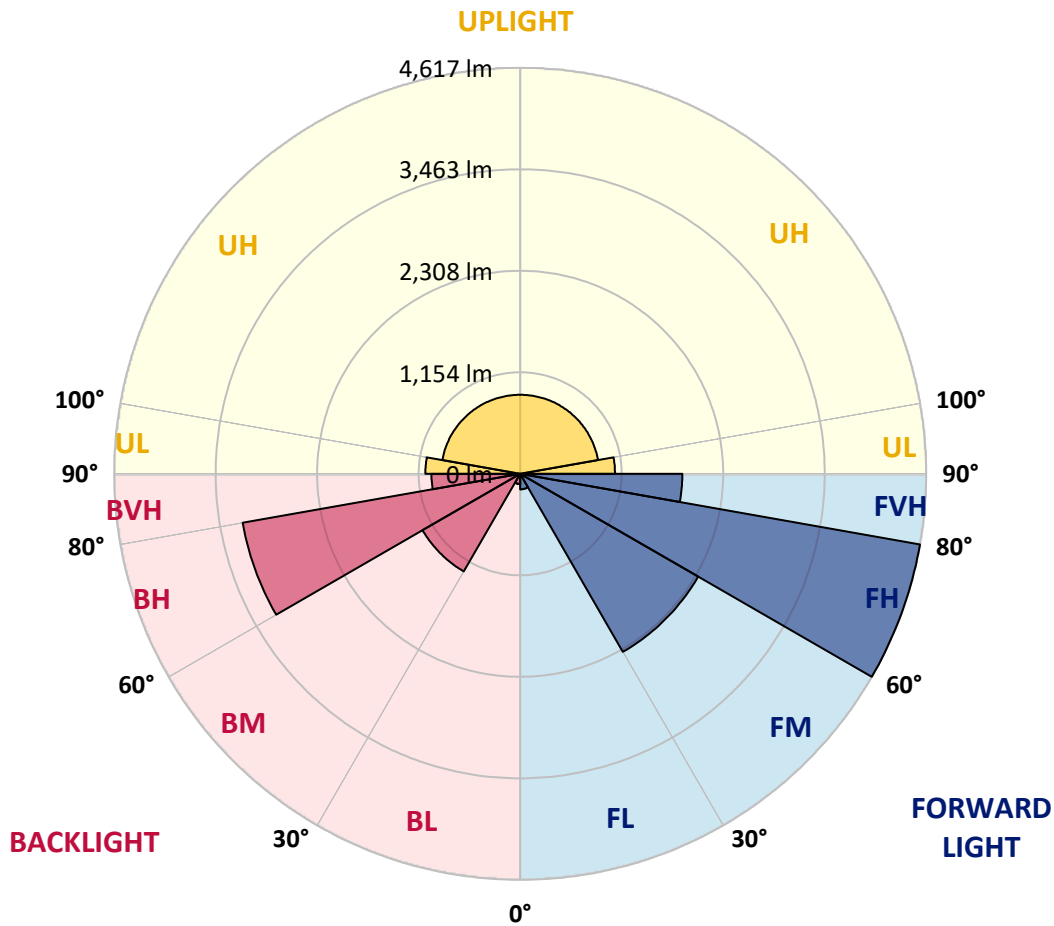
REPORT NUMBER: P588440  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.2	1.1			
FM (30°-60°)	2337.2	13.9			
FH (60°-80°)	4616.7	27.4			G2/5000
FVH (80°-90°)	1843.7	11.0			G5
BL (0°-30°)	116.2	0.7	B1/500		
BM (30°-60°)	1281.3	7.6	B2/2500		
BH (60°-80°)	3203.6	19.0	B4/5000		G4/5000
BVH (80°-90°)	1008.7	6.0			G5
UL (90°-100°)	1078.4	6.4		U5	
UH (100°-180°)	898.4	5.3		U4/1000	

**BUG Rating: B4-U5-G5**

Type III Short





REPORT NUMBER: P588440  
 CATALOG NUMBER: ARC-CA6-130-760-U-33-X-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
2.5°	148.3	143.9	139.6	139.6	137.4	135.2	135.2	130.9	133.0	130.9	130.9
5°	174.5	172.3	167.9	170.1	165.8	163.6	163.6	161.4	159.2	157.0	150.5
7.5°	202.8	202.8	205.0	207.2	200.6	194.1	191.9	187.6	187.6	185.4	181.0
10°	233.4	231.2	222.5	222.5	218.1	213.7	215.9	213.7	213.7	213.7	205.0
12.5°	242.1	239.9	233.4	233.4	233.4	231.2	239.9	237.7	239.9	237.7	224.6
15°	272.6	270.4	268.3	270.4	279.2	296.6	318.4	309.7	311.9	307.5	259.5
17.5°	285.7	292.2	296.6	298.8	307.5	307.5	311.9	309.7	318.4	325.0	296.6
20°	331.5	327.1	331.5	346.8	368.6	370.8	364.2	364.2	368.6	370.8	316.2
22.5°	351.1	349.0	366.4	353.3	353.3	364.2	403.5	390.4	390.4	386.0	340.2
25°	455.8	464.5	482.0	503.8	556.1	571.4	615.0	567.0	573.6	506.0	431.8
27.5°	547.4	554.0	656.5	748.1	789.5	767.7	804.8	715.4	724.1	732.8	630.3
30°	575.8	588.9	737.2	804.8	859.3	815.7	863.7	745.9	739.3	789.5	748.1
32.5°	554.0	567.0	724.1	752.4	809.1	970.5	909.5	719.7	700.1	724.1	774.2
35°	608.5	617.2	711.0	643.4	695.7	1356.5	1190.8	839.7	800.4	667.4	741.5
37.5°	730.6	730.6	841.8	889.8	929.1	1600.8	1563.7	1044.7	1014.1	780.8	857.1
40°	885.5	881.1	1018.5	1051.2	1068.7	1450.3	1890.9	1332.6	1264.9	918.2	1116.6
42.5°	979.2	970.5	1081.7	1116.6	1116.6	1227.9	2139.5	1622.6	1465.6	1070.8	1365.3
45°	1016.3	1025.0	1169.0	1125.4	1158.1	1260.6	2405.6	2023.9	1803.6	1256.2	1583.4
47.5°	920.4	933.4	1140.6	1145.0	979.2	1007.6	2157.0	2102.4	1921.4	1345.6	1653.2
50°	1129.7	1138.5	1212.6	1162.4	1081.7	1275.9	2569.2	2702.2	2623.7	1666.2	1744.8
52.5°	1550.7	1589.9	1659.7	1703.3	1679.3	2143.9	3445.9	3421.9	3356.5	2501.5	2381.6
55°	2008.7	2041.4	2139.5	2403.4	2604.1	3210.4	4285.6	4787.2	4782.8	4063.1	3712.0
57.5°	2425.2	2427.4	2440.5	2765.4	3075.1	4191.8	5613.8	7456.7	7622.4	6490.5	5315.0
60°	2787.2	2780.7	2669.5	2959.5	3336.8	5197.2	7236.4	9674.7	9707.4	8252.7	6165.5
62.5°	2885.4	2865.8	2704.4	2974.8	3297.6	5216.8	7650.8	9410.8	9373.7	8377.0	6276.8
65°	2800.3	2780.7	2575.7	2817.8	2970.4	4741.4	7066.3	8093.5	8032.4	7652.9	5975.8
67.5°	2673.8	2686.9	2484.1	2669.5	2774.2	4447.0	6451.2	6963.8	6946.3	7131.7	5725.0
70°	2490.6	2501.5	2316.2	2545.2	2697.8	4259.4	5862.4	6418.5	6388.0	6660.6	5356.4
72.5°	2497.2	2529.9	2309.6	2481.9	2641.1	4002.0	5596.3	6231.0	6141.5	6183.0	4913.7
75°	2514.6	2558.3	2324.9	2479.7	2628.0	3908.3	5565.8	6246.2	6132.8	6010.7	4745.7
77.5°	2521.2	2584.4	2333.6	2503.7	2632.4	3779.6	5496.0	6169.9	6063.0	5844.9	4547.3
80°	2468.8	2536.4	2296.5	2505.9	2604.1	3524.4	5319.3	6156.8	6076.1	5823.1	4466.6
82.5°	2364.1	2431.8	2224.6	2396.9	2549.5	3264.9	5070.7	5901.6	5897.3	5613.8	4296.5
85°	2135.1	2209.3	2052.3	2211.5	2399.0	2920.3	4569.1	5467.6	5587.6	5358.6	4067.5
87.5°	1914.9	1989.0	1906.1	1995.6	2185.3	2538.6	3925.7	4719.6	4944.2	4754.5	3493.9
90°	1664.1	1740.4	1672.8	1637.9	1790.6	2026.1	3138.4	3670.5	3882.1	3766.5	2571.3
92.5°	1332.6	1398.0	1334.7	1254.0	1345.6	1487.4	2331.4	2569.2	2619.3	2508.1	1685.9
95°	1007.6	1055.6	998.9	918.2	929.1	1018.5	1607.4	1683.7	1670.6	1537.6	1070.8
97.5°	700.1	728.4	691.4	634.7	654.3	711.0	1064.3	1055.6	1055.6	940.0	700.1
100°	486.4	497.3	479.8	453.6	468.9	506.0	715.4	713.2	691.4	634.7	510.3
102.5°	386.0	388.2	370.8	353.3	344.6	379.5	516.9	514.7	519.1	492.9	399.1
105°	340.2	338.0	322.8	307.5	290.1	325.0	410.0	427.5	425.3	403.5	342.4
107.5°	311.9	309.7	294.4	281.3	266.1	296.6	355.5	379.5	377.3	375.1	322.8
110°	290.1	287.9	274.8	261.7	248.6	283.5	333.7	370.8	370.8	370.8	327.1



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CATALOG NUMBER: ARC-CA6-130-760-U-33-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	274.8	274.8	263.9	253.0	242.1	281.3	320.6	364.2	364.2	375.1	342.4
115°	266.1	263.9	255.2	248.6	239.9	283.5	316.2	359.9	362.0	377.3	340.2
117.5°	259.5	257.4	250.8	242.1	237.7	279.2	318.4	368.6	366.4	390.4	333.7
120°	248.6	244.3	235.5	226.8	222.5	257.4	309.7	357.7	353.3	364.2	307.5
122.5°	239.9	226.8	211.6	205.0	205.0	233.4	290.1	322.8	318.4	309.7	277.0
125°	220.3	207.2	194.1	191.9	194.1	218.1	277.0	296.6	298.8	292.2	261.7
127.5°	198.5	189.7	183.2	183.2	187.6	213.7	272.6	285.7	285.7	272.6	248.6
130°	187.6	185.4	181.0	181.0	189.7	215.9	266.1	270.4	270.4	253.0	242.1
132.5°	183.2	178.8	174.5	174.5	183.2	209.4	248.6	257.4	255.2	237.7	229.0
135°	174.5	172.3	167.9	167.9	178.8	205.0	233.4	242.1	239.9	218.1	211.6
137.5°	170.1	165.8	165.8	165.8	176.7	202.8	220.3	226.8	224.6	202.8	196.3
140°	163.6	161.4	157.0	157.0	172.3	196.3	207.2	209.4	207.2	189.7	183.2
142.5°	152.7	150.5	148.3	152.7	167.9	185.4	194.1	194.1	191.9	181.0	172.3
145°	146.1	143.9	141.8	152.7	165.8	174.5	183.2	176.7	176.7	170.1	161.4
147.5°	139.6	137.4	137.4	146.1	157.0	157.0	163.6	161.4	163.6	161.4	152.7
150°	126.5	124.3	124.3	130.9	133.0	133.0	139.6	139.6	139.6	139.6	133.0
152.5°	111.2	109.0	111.2	113.4	113.4	113.4	117.8	120.0	120.0	117.8	115.6
155°	96.0	96.0	96.0	98.1	98.1	96.0	102.5	102.5	102.5	102.5	100.3
157.5°	85.1	85.1	85.1	85.1	85.1	82.9	87.2	87.2	89.4	87.2	87.2
160°	74.2	72.0	72.0	72.0	72.0	69.8	72.0	72.0	72.0	74.2	74.2
162.5°	58.9	56.7	56.7	56.7	56.7	52.3	56.7	54.5	56.7	56.7	58.9
165°	48.0	45.8	45.8	45.8	43.6	41.4	43.6	41.4	41.4	41.4	43.6
167.5°	37.1	37.1	34.9	37.1	34.9	30.5	30.5	28.4	28.4	28.4	28.4
170°	28.4	26.2	24.0	26.2	24.0	19.6	19.6	17.4	17.4	15.3	15.3
172.5°	19.6	17.4	15.3	17.4	15.3	10.9	10.9	6.5	6.5	6.5	6.5
175°	17.4	15.3	13.1	15.3	13.1	8.7	6.5	4.4	4.4	4.4	4.4
177.5°	17.4	15.3	13.1	15.3	13.1	8.7	6.5	4.4	4.4	4.4	4.4
180°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
2.5°	130.9	128.7	126.5	130.9	128.7	130.9	133.0	135.2	135.2	133.0	133.0
5°	150.5	148.3	143.9	141.8	137.4	137.4	137.4	141.8	141.8	139.6	141.8
7.5°	178.8	174.5	167.9	163.6	157.0	157.0	154.8	159.2	161.4	157.0	159.2
10°	200.6	198.5	189.7	183.2	176.7	174.5	174.5	176.7	176.7	174.5	174.5
12.5°	220.3	215.9	207.2	200.6	191.9	189.7	189.7	191.9	191.9	189.7	189.7
15°	248.6	235.5	226.8	220.3	211.6	209.4	207.2	209.4	211.6	207.2	207.2
17.5°	287.9	272.6	253.0	235.5	226.8	231.2	233.4	235.5	233.4	226.8	226.8
20°	309.7	301.0	274.8	261.7	250.8	250.8	250.8	250.8	250.8	248.6	250.8
22.5°	325.0	311.9	279.2	270.4	263.9	268.3	272.6	274.8	274.8	272.6	272.6
25°	394.8	346.8	314.1	307.5	298.8	301.0	296.6	296.6	298.8	296.6	301.0
27.5°	543.1	464.5	390.4	364.2	357.7	357.7	362.0	362.0	362.0	362.0	359.9
30°	652.1	560.5	438.4	403.5	399.1	418.7	429.6	438.4	434.0	427.5	427.5
32.5°	669.6	569.2	447.1	434.0	444.9	460.2	471.1	477.6	484.2	482.0	479.8
35°	632.5	525.6	440.6	458.0	466.7	475.4	477.6	473.3	492.9	501.6	503.8
37.5°	706.6	588.9	512.5	525.6	514.7	506.0	510.3	512.5	538.7	551.8	564.9
40°	902.9	711.0	582.3	575.8	569.2	588.9	615.0	628.1	625.9	617.2	619.4
42.5°	1092.7	830.9	656.5	654.3	652.1	687.0	728.4	726.3	706.6	691.4	691.4
45°	1286.8	946.5	774.2	776.4	772.1	785.1	796.0	787.3	789.5	793.9	798.2
47.5°	1406.7	1051.2	848.4	841.8	813.5	839.7	870.2	850.6	844.0	833.1	837.5
50°	1435.1	1077.4	892.0	940.0	913.8	894.2	861.5	848.4	872.4	889.8	902.9
52.5°	1864.7	1330.4	1114.5	1190.8	1155.9	1086.1	1079.6	1057.8	1083.9	1086.1	1101.4
55°	3125.3	2133.0	1535.4	1609.5	1611.7	1587.7	1696.8	1635.7	1581.2	1557.2	1548.5
57.5°	4926.8	3297.6	1986.8	2080.6	2170.0	2255.1	2403.4	2279.1	2122.1	2102.4	2124.2
60°	6309.5	4656.3	2534.3	2798.2	2918.1	2922.5	2942.1	2820.0	2724.0	2732.7	2763.3
62.5°	6606.1	5790.4	3227.8	3336.8	3347.8	3267.1	3302.0	3380.5	3245.2	3138.4	3166.7
65°	6407.6	6239.7	3454.6	3171.1	3153.6	3166.7	3404.5	3622.6	3349.9	3079.5	3079.5
67.5°	6023.8	5897.3	3223.4	2852.7	2900.7	3049.0	3349.9	3459.0	3168.9	2881.0	2881.0
70°	5613.8	5360.8	2963.9	2599.7	2717.5	2889.8	3086.0	3094.8	2924.6	2719.6	2706.6
72.5°	5171.0	4942.0	2852.7	2525.5	2580.1	2610.6	2717.5	2785.1	2765.4	2632.4	2630.2
75°	5040.2	4854.8	2850.5	2490.6	2457.9	2447.0	2521.2	2667.3	2734.9	2656.4	2660.8
77.5°	4841.7	4730.5	2717.5	2344.5	2309.6	2309.6	2348.9	2466.7	2569.2	2536.4	2547.3
80°	4704.3	4536.4	2514.6	2185.3	2137.3	2143.9	2148.2	2228.9	2324.9	2329.3	2329.3
82.5°	4440.4	4124.2	2207.1	1947.6	1914.9	1923.6	1908.3	1954.1	1980.3	2013.0	2006.5
85°	4006.4	3559.3	1864.7	1688.1	1635.7	1618.3	1605.2	1607.4	1622.6	1616.1	1589.9
87.5°	3356.5	2822.1	1487.4	1384.9	1323.8	1280.2	1262.8	1241.0	1238.8	1214.8	1223.5
90°	2477.6	1936.7	1103.6	1066.5	1022.9	977.1	953.1	931.3	913.8	889.8	881.1
92.5°	1616.1	1247.5	807.0	787.3	759.0	732.8	721.9	711.0	706.6	687.0	693.5
95°	1009.8	844.0	606.3	584.5	569.2	562.7	564.9	567.0	562.7	540.9	547.4
97.5°	673.9	610.7	473.3	458.0	442.7	440.6	442.7	447.1	449.3	434.0	438.4
100°	497.3	468.9	388.2	377.3	364.2	359.9	362.0	366.4	368.6	355.5	357.7
102.5°	394.8	381.7	335.9	331.5	316.2	311.9	316.2	318.4	320.6	311.9	311.9
105°	346.8	346.8	309.7	307.5	296.6	292.2	294.4	296.6	298.8	290.1	290.1
107.5°	333.7	335.9	298.8	301.0	294.4	292.2	296.6	301.0	298.8	292.2	290.1
110°	344.6	349.0	298.8	305.3	307.5	311.9	320.6	322.8	322.8	318.4	320.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	355.5	362.0	294.4	309.7	325.0	335.9	351.1	359.9	355.5	353.3	355.5
115°	346.8	351.1	274.8	298.8	327.1	342.4	346.8	346.8	335.9	335.9	338.0
117.5°	335.9	344.6	255.2	274.8	294.4	307.5	305.3	298.8	285.7	281.3	294.4
120°	311.9	338.0	244.3	248.6	250.8	255.2	248.6	242.1	231.2	229.0	237.7
122.5°	287.9	311.9	224.6	220.3	218.1	218.1	215.9	213.7	207.2	209.4	218.1
125°	268.3	281.3	205.0	198.5	196.3	198.5	198.5	198.5	194.1	189.7	189.7
127.5°	253.0	257.4	194.1	185.4	183.2	183.2	183.2	185.4	183.2	176.7	176.7
130°	244.3	242.1	187.6	172.3	170.1	172.3	172.3	174.5	170.1	165.8	165.8
132.5°	226.8	222.5	178.8	163.6	161.4	163.6	163.6	163.6	159.2	154.8	154.8
135°	207.2	202.8	167.9	152.7	150.5	152.7	152.7	154.8	150.5	146.1	146.1
137.5°	191.9	187.6	157.0	143.9	141.8	141.8	143.9	143.9	141.8	137.4	137.4
140°	178.8	174.5	146.1	135.2	130.9	133.0	133.0	133.0	130.9	126.5	126.5
142.5°	167.9	165.8	135.2	124.3	120.0	122.1	122.1	124.3	120.0	115.6	115.6
145°	159.2	154.8	126.5	113.4	111.2	111.2	111.2	113.4	109.0	104.7	104.7
147.5°	150.5	146.1	115.6	102.5	100.3	100.3	100.3	100.3	98.1	93.8	91.6
150°	133.0	130.9	106.9	93.8	89.4	89.4	89.4	87.2	82.9	78.5	78.5
152.5°	113.4	111.2	93.8	82.9	78.5	78.5	76.3	76.3	72.0	69.8	67.6
155°	98.1	98.1	85.1	74.2	69.8	67.6	65.4	65.4	63.2	61.1	58.9
157.5°	87.2	85.1	76.3	67.6	58.9	58.9	56.7	56.7	54.5	52.3	50.2
160°	74.2	74.2	65.4	56.7	50.2	48.0	48.0	45.8	43.6	41.4	41.4
162.5°	58.9	58.9	52.3	45.8	39.3	39.3	37.1	37.1	34.9	32.7	30.5
165°	41.4	41.4	39.3	34.9	30.5	28.4	28.4	28.4	26.2	24.0	24.0
167.5°	28.4	28.4	26.2	24.0	21.8	19.6	21.8	21.8	19.6	17.4	17.4
170°	15.3	15.3	13.1	13.1	10.9	10.9	13.1	15.3	13.1	10.9	8.7
172.5°	6.5	6.5	6.5	6.5	4.4	6.5	8.7	10.9	8.7	6.5	6.5
175°	4.4	4.4	6.5	6.5	4.4	6.5	8.7	10.9	8.7	6.5	6.5
177.5°	4.4	4.4	6.5	6.5	4.4	6.5	8.7	10.9	8.7	6.5	6.5
180°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(END OF REPORT)