

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: P588439

Luminaire Tested: **ARC-CA6-130-760-U-33-6-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
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-33-6-5-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

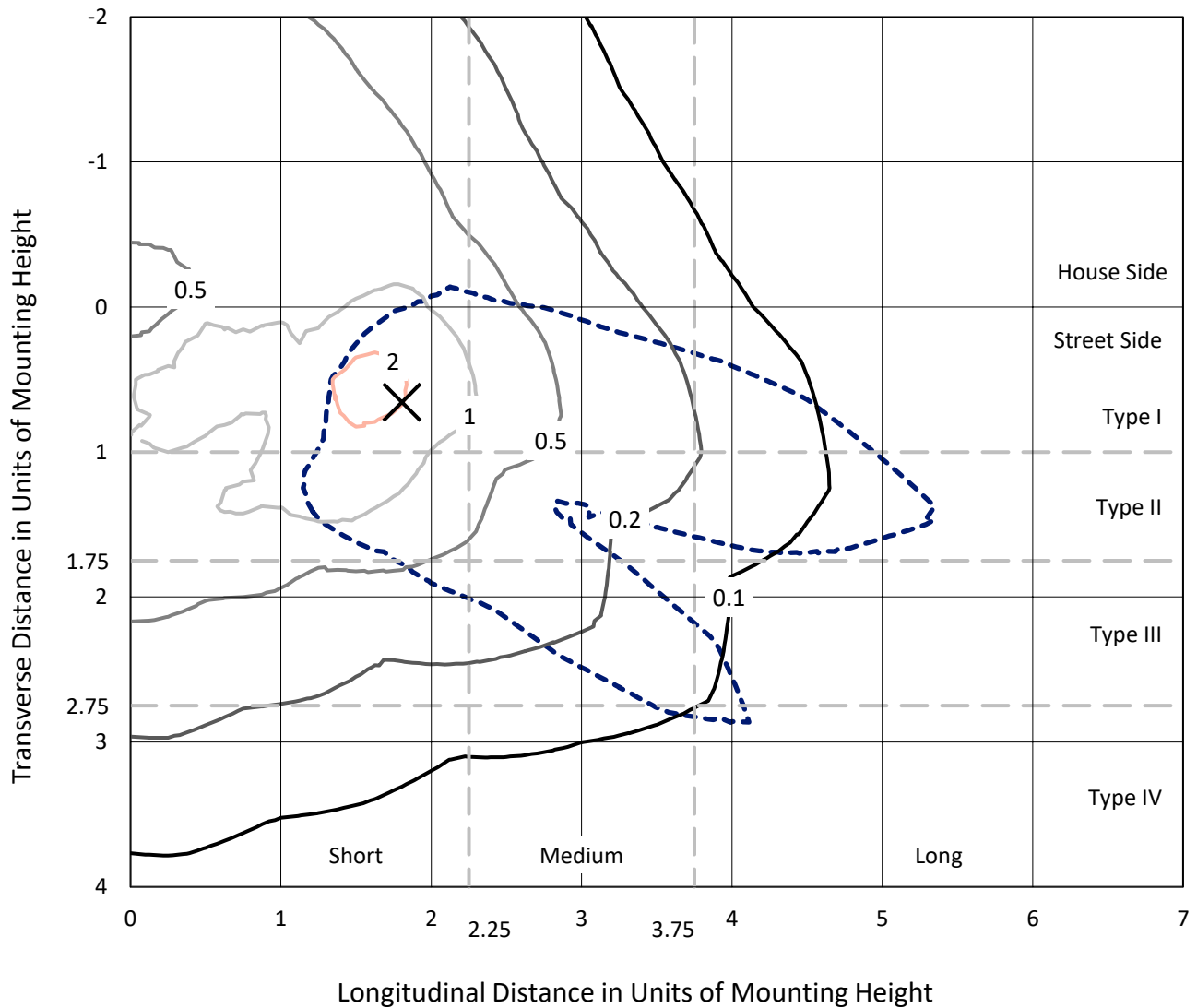
Lumens per Lamp: N/A  
Luminaire Lumens: 11409 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B4 - U3 - G4  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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

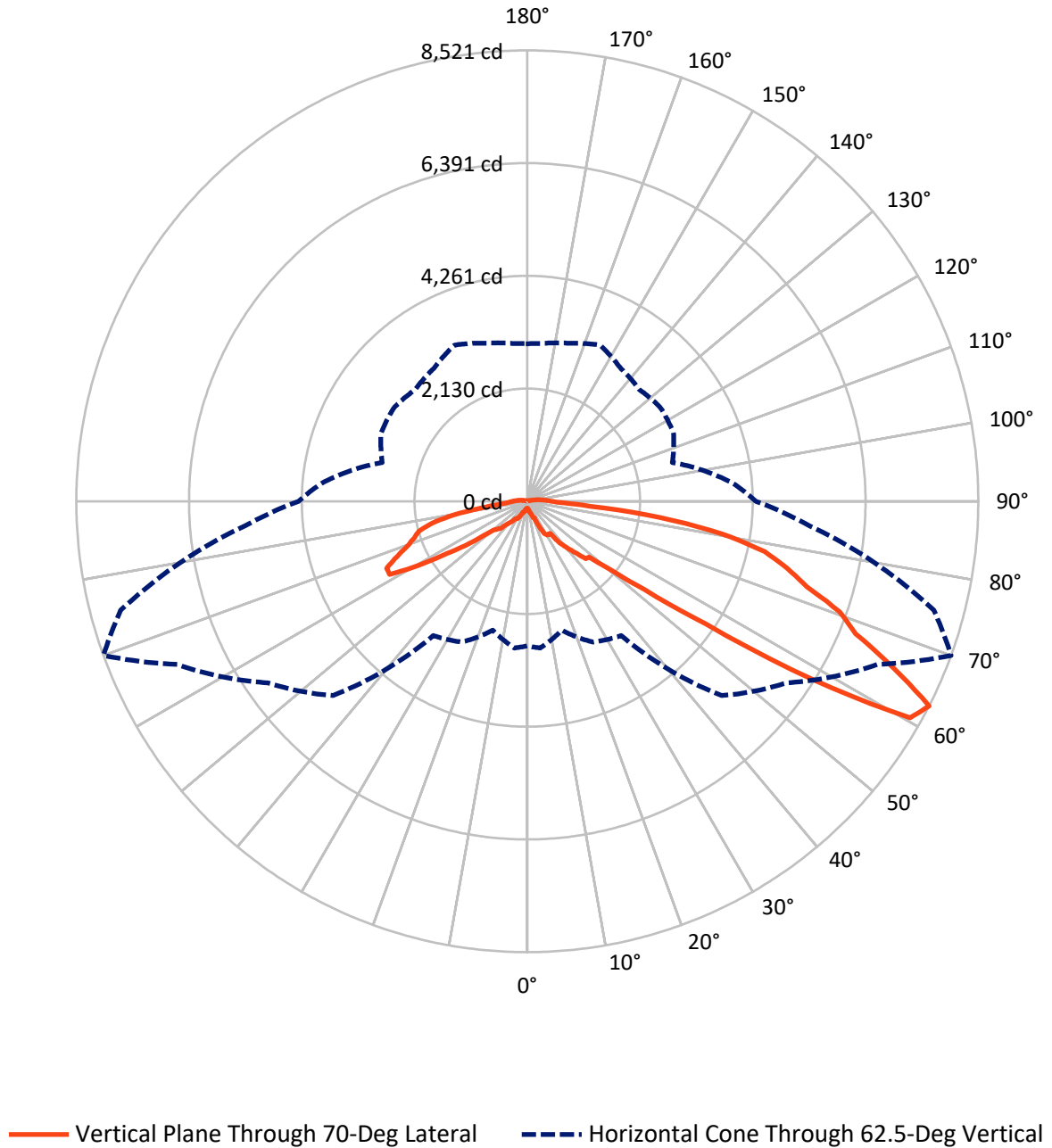
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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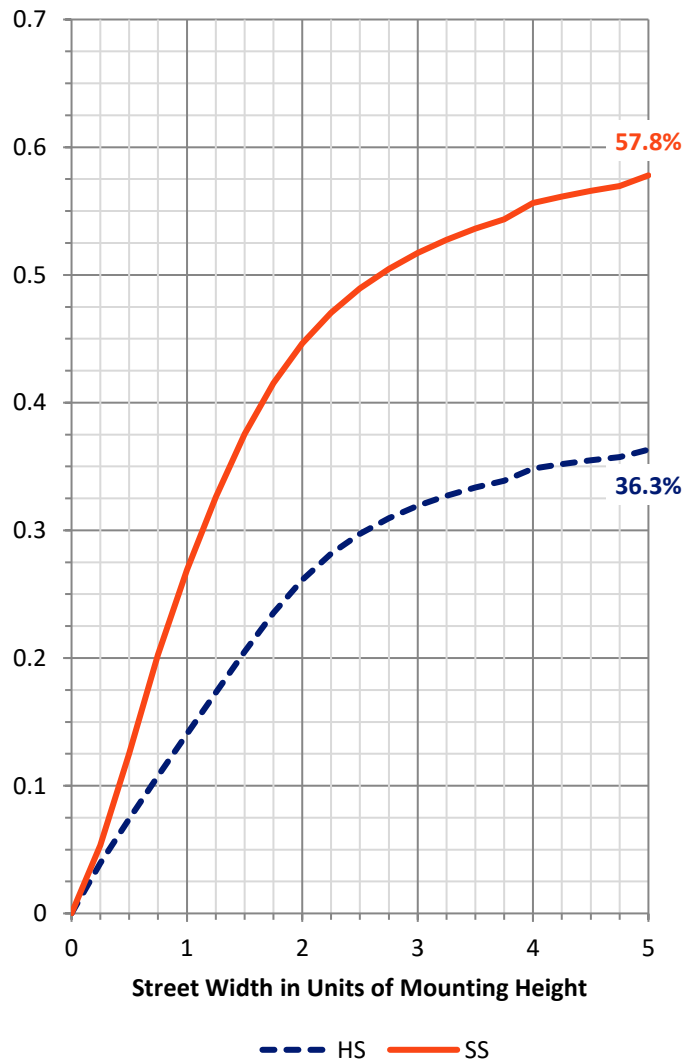
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4228.4	155.0	4383.4
	% Fixture	37.1	1.4	38.4
<b>Street Side</b>	Lumens	6812.5	213.0	7025.6
	% Fixture	59.7	1.9	61.6
<b>Total</b>	Lumens	11041.0	368.0	11409.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	62.1	0.5
20°-30°	192.4	1.7
30°-40°	412.8	3.6
40°-50°	773.3	6.8
50°-60°	2006.7	17.6
60°-70°	3676.0	32.2
70°-80°	2948.5	25.8
80°-90°	954.7	8.4
90°-100°	251.6	2.2
100°-110°	81.8	0.7
110°-120°	32.1	0.3
120°-130°	2.5	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°	11041.0	96.8
0°-180°	11409.0	100.0



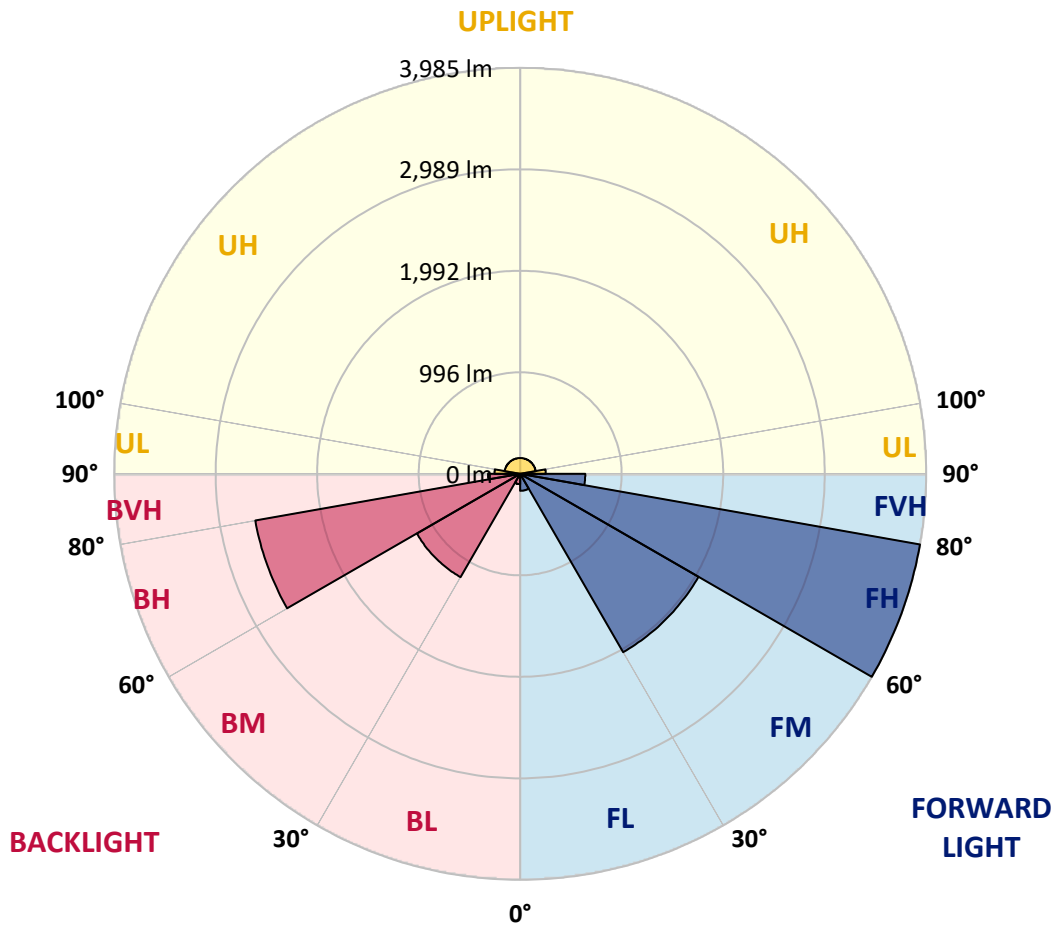
REPORT NUMBER: P588439  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.4	1.5			
FM (30°-60°)	2021.5	17.7			
FH (60°-80°)	3984.9	34.9			G2/5000
FVH (80°-90°)	638.7	5.6			G4/750
BL (0°-30°)	101.6	0.9	B0/110		
BM (30°-60°)	1171.3	10.3	B2/2500		
BH (60°-80°)	2639.6	23.1	B4/5000		G4/5000
BVH (80°-90°)	316.0	2.8			G3/500
UL (90°-100°)	251.6	2.2		U3/500	
UH (100°-180°)	155.0	1.4		U3/500	

**BUG Rating: B4-U3-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
2.5°	146.1	146.1	146.1	143.9	141.8	139.6	137.4	137.4	135.2	133.0	130.9
5°	159.2	157.0	154.9	150.5	148.3	148.3	146.1	146.1	146.1	143.9	141.8
7.5°	176.7	176.7	174.5	172.3	170.1	167.9	165.8	163.6	163.6	161.4	159.2
10°	200.7	200.7	200.7	198.5	198.5	196.3	191.9	189.8	185.4	183.2	176.7
12.5°	224.6	226.8	222.5	222.5	222.5	220.3	215.9	213.7	209.4	205.0	196.3
15°	248.6	246.5	244.3	242.1	246.5	246.5	244.3	244.3	235.6	229.0	213.7
17.5°	270.4	270.4	272.6	272.6	279.2	277.0	277.0	274.8	270.4	259.5	239.9
20°	305.3	307.5	307.5	307.5	329.3	338.1	340.2	342.4	335.9	314.1	274.8
22.5°	340.2	342.4	357.7	353.3	353.3	353.3	375.1	364.2	335.9	309.7	287.9
25°	460.2	466.7	471.1	486.4	503.8	551.8	628.1	604.1	560.5	471.1	396.9
27.5°	575.8	584.5	663.0	772.1	787.4	730.6	785.2	713.2	691.4	599.8	538.7
30°	628.1	643.4	778.6	852.8	879.0	804.8	883.3	745.9	739.4	673.9	621.6
32.5°	641.2	652.1	800.4	809.2	815.7	807.0	924.8	756.8	741.6	676.1	599.8
35°	621.6	634.7	735.0	684.8	687.0	841.9	1062.2	815.7	745.9	632.5	547.4
37.5°	765.5	765.5	850.6	863.7	920.4	1108.0	1391.5	1077.4	998.9	824.4	719.7
40°	872.4	883.3	1018.5	1068.7	1077.4	1236.6	1742.6	1262.8	1151.6	922.6	841.9
42.5°	1016.4	1014.2	1138.5	1173.4	1197.4	1256.3	1781.9	1452.6	1321.7	1044.7	983.6
45°	1040.4	1075.3	1188.7	1149.4	1179.9	1330.4	1860.4	1720.8	1546.4	1275.9	1149.4
47.5°	944.4	992.4	1221.4	1188.7	1066.5	1136.3	1491.8	1766.6	1574.7	1310.8	1221.4
50°	1018.5	1044.7	1158.1	1136.3	972.7	1208.3	1638.0	2213.8	2000.0	1559.4	1330.4
52.5°	1317.3	1374.1	1393.7	1478.7	1400.2	1808.1	2292.3	2804.8	2776.5	2257.4	1755.7
55°	1692.5	1775.4	1862.6	2185.4	2231.2	2839.7	3199.6	3747.0	4087.3	3570.4	2693.6
57.5°	2098.2	2215.9	2187.6	2656.5	2728.5	3847.4	4178.9	5461.3	6370.8	5668.5	3945.5
60°	2490.7	2569.3	2410.0	2822.3	2959.7	4844.1	5330.5	7112.4	8309.8	7561.7	4859.4
62.5°	2732.8	2783.0	2521.3	2935.7	3097.1	5190.9	5982.6	7297.8	8521.3	7952.1	5354.4
65°	2730.7	2717.6	2418.8	2778.6	2756.8	4791.7	5781.9	6133.1	7611.8	7515.9	5417.7
67.5°	2623.8	2628.2	2314.1	2599.8	2510.4	4224.7	5356.6	5188.7	6691.4	6820.1	5269.4
70°	2521.3	2573.6	2274.8	2523.5	2482.0	4063.3	5171.2	4669.6	6259.6	6503.9	5112.4
72.5°	2377.3	2427.5	2146.1	2364.2	2379.5	3740.5	4855.0	4076.4	5520.2	5814.6	4582.4
75°	2375.2	2438.4	2174.5	2366.4	2390.4	3557.3	4894.2	3871.3	5077.5	5472.2	4277.0
77.5°	2239.9	2296.6	2052.4	2231.2	2298.8	3219.2	4669.6	3616.2	4586.7	5029.5	3877.9
80°	1799.4	1875.7	1675.0	1792.8	1829.9	2414.4	3744.8	2961.8	3731.8	4174.5	3169.0
82.5°	1230.1	1299.9	1166.9	1254.1	1302.1	1583.4	2588.9	2133.1	2536.5	2807.0	1984.7
85°	711.0	793.9	715.4	704.5	728.5	835.3	1393.7	1134.1	1179.9	1241.0	881.1
87.5°	447.1	460.2	420.9	423.1	427.5	458.0	634.7	506.0	558.3	632.5	534.4
90°	355.5	368.6	340.2	342.4	335.9	364.2	475.5	386.0	429.7	495.1	423.1
92.5°	307.5	316.3	296.6	301.0	296.6	318.4	396.9	318.4	353.3	405.7	346.8
95°	261.7	268.3	257.4	259.5	246.5	259.5	309.7	242.1	268.3	305.3	259.5
97.5°	209.4	215.9	209.4	209.4	196.3	202.8	237.7	187.6	205.0	229.0	196.3
100°	165.8	167.9	165.8	163.6	152.7	152.7	165.8	135.2	141.8	157.0	135.2
102.5°	126.5	128.7	126.5	124.3	111.2	104.7	104.7	87.2	91.6	96.0	85.1
105°	100.3	102.5	100.3	96.0	85.1	78.5	76.3	63.3	63.3	65.4	58.9
107.5°	82.9	82.9	82.9	78.5	72.0	63.3	56.7	45.8	45.8	48.0	45.8
110°	67.6	67.6	65.4	63.3	56.7	50.2	43.6	37.1	37.1	37.1	34.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	56.7	56.7	54.5	52.3	45.8	39.3	34.9	30.5	30.5	30.5	28.4
115°	48.0	48.0	45.8	43.6	39.3	32.7	28.4	24.0	24.0	24.0	24.0
117.5°	41.4	41.4	39.3	37.1	32.7	28.4	24.0	19.6	19.6	19.6	19.6
120°	37.1	34.9	32.7	30.5	26.2	24.0	19.6	17.4	17.4	17.4	15.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
2.5°	130.9	130.9	128.7	128.7	128.7	126.5	126.5	128.7	128.7	128.7	128.7
5°	139.6	137.4	133.0	128.7	126.5	124.3	122.1	122.1	126.5	126.5	126.5
7.5°	157.0	154.9	148.3	143.9	139.6	135.2	133.0	130.9	133.0	135.2	135.2
10°	174.5	172.3	163.6	157.0	154.9	150.5	148.3	146.1	148.3	148.3	148.3
12.5°	191.9	187.6	181.0	172.3	167.9	165.8	163.6	161.4	161.4	161.4	161.4
15°	207.2	200.7	194.1	187.6	183.2	178.8	176.7	174.5	176.7	178.8	178.8
17.5°	231.2	224.6	209.4	198.5	196.3	191.9	189.8	189.8	191.9	194.1	194.1
20°	257.4	244.3	226.8	215.9	213.7	207.2	205.0	205.0	207.2	209.4	209.4
22.5°	279.2	270.4	244.3	229.0	226.8	224.6	226.8	226.8	229.0	231.2	231.2
25°	355.5	320.6	283.5	272.6	270.4	266.1	261.7	259.5	261.7	268.3	270.4
27.5°	479.8	416.6	346.8	322.8	322.8	327.2	335.9	340.2	331.5	327.2	329.3
30°	562.7	477.6	377.3	355.5	359.9	381.7	401.3	414.4	405.7	399.1	401.3
32.5°	540.9	462.4	390.4	386.0	399.1	416.6	427.5	434.0	451.5	458.0	466.7
35°	492.9	434.0	394.8	412.2	420.9	420.9	420.9	420.9	453.7	484.2	492.9
37.5°	602.0	501.6	468.9	475.5	468.9	462.4	468.9	486.4	514.7	538.7	545.3
40°	706.7	580.2	525.6	521.3	519.1	540.9	580.2	610.7	619.4	597.6	602.0
42.5°	822.3	656.5	586.7	593.2	610.7	645.6	689.2	689.2	689.2	669.6	676.1
45°	931.3	745.9	704.5	721.9	721.9	739.4	763.4	748.1	767.7	776.4	787.4
47.5°	1060.0	865.9	774.3	759.0	761.2	796.1	804.8	798.3	811.3	796.1	796.1
50°	1099.2	885.5	813.5	872.4	872.4	833.2	800.4	804.8	841.9	883.3	892.0
52.5°	1398.0	1097.1	1031.6	1092.7	1118.9	1051.3	1051.3	1060.0	1068.7	1099.2	1108.0
55°	2091.6	1563.8	1367.5	1509.3	1528.9	1570.3	1683.8	1666.3	1566.0	1515.8	1511.5
57.5°	3127.6	2320.6	1703.4	1904.0	2030.5	2200.7	2285.7	2235.6	2100.3	2054.5	2004.4
60°	3997.8	3177.8	2207.2	2556.2	2745.9	2774.3	2743.7	2748.1	2645.6	2678.3	2665.2
62.5°	4320.6	3899.7	2837.5	3049.1	3077.4	2990.2	3070.9	3256.3	3090.5	2992.4	2977.1
65°	4416.6	4168.0	3014.2	2876.8	2850.6	2835.3	3153.8	3463.5	3092.7	2863.7	2861.5
67.5°	4320.6	3893.2	2789.5	2562.7	2623.8	2748.1	3162.5	3278.1	2929.1	2676.1	2658.7
70°	4196.3	3450.4	2510.4	2314.1	2455.8	2636.9	2900.8	2855.0	2717.6	2492.9	2482.0
72.5°	3744.8	2990.2	2331.5	2168.0	2329.3	2381.7	2512.6	2492.9	2532.2	2390.4	2383.9
75°	3352.3	2745.9	2224.7	2032.7	2111.2	2102.5	2207.2	2231.2	2342.4	2281.4	2257.4
77.5°	2892.1	2388.2	1960.8	1738.3	1768.8	1766.6	1816.8	1832.1	1910.6	1915.0	1888.8
80°	2263.9	1871.3	1531.1	1308.6	1313.0	1273.7	1280.3	1278.1	1293.4	1310.8	1286.8
82.5°	1299.9	1044.7	868.1	726.3	695.8	643.4	632.5	636.9	630.3	626.0	626.0
85°	636.9	495.1	455.8	407.9	390.4	377.3	383.9	396.9	403.5	390.4	383.9
87.5°	429.7	370.8	353.3	333.7	325.0	311.9	320.6	331.5	340.2	329.3	327.2
90°	340.2	294.4	290.1	285.7	279.2	268.3	277.0	290.1	296.6	287.9	283.5
92.5°	274.8	237.7	237.7	235.6	229.0	220.3	231.2	242.1	248.6	242.1	239.9
95°	211.6	183.2	189.8	185.4	178.8	176.7	183.2	191.9	196.3	191.9	191.9
97.5°	163.6	143.9	150.5	148.3	139.6	137.4	141.8	148.3	152.7	148.3	146.1
100°	111.2	102.5	111.2	111.2	102.5	98.1	102.5	109.1	111.2	111.2	109.1
102.5°	74.2	69.8	80.7	82.9	78.5	74.2	76.3	80.7	82.9	82.9	82.9
105°	52.3	52.3	63.3	65.4	61.1	56.7	61.1	63.3	63.3	63.3	63.3
107.5°	41.4	43.6	50.2	54.5	50.2	45.8	48.0	50.2	50.2	50.2	52.3
110°	34.9	34.9	41.4	45.8	41.4	39.3	39.3	39.3	39.3	41.4	45.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.4	30.5	34.9	37.1	34.9	32.7	32.7	32.7	32.7	34.9	41.4
115°	24.0	26.2	30.5	30.5	28.4	28.4	28.4	26.2	26.2	28.4	39.3
117.5°	19.6	21.8	24.0	24.0	24.0	21.8	21.8	21.8	21.8	26.2	41.4
120°	17.4	17.4	19.6	19.6	17.4	17.4	17.4	17.4	15.3	21.8	32.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)