

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: P588384

Luminaire Tested: **ARC-CA6-110-740-U-33-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588384
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-CA6-110-740-U-33-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14980 lumens
Efficiency: N/A
Efficacy: 133.5 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

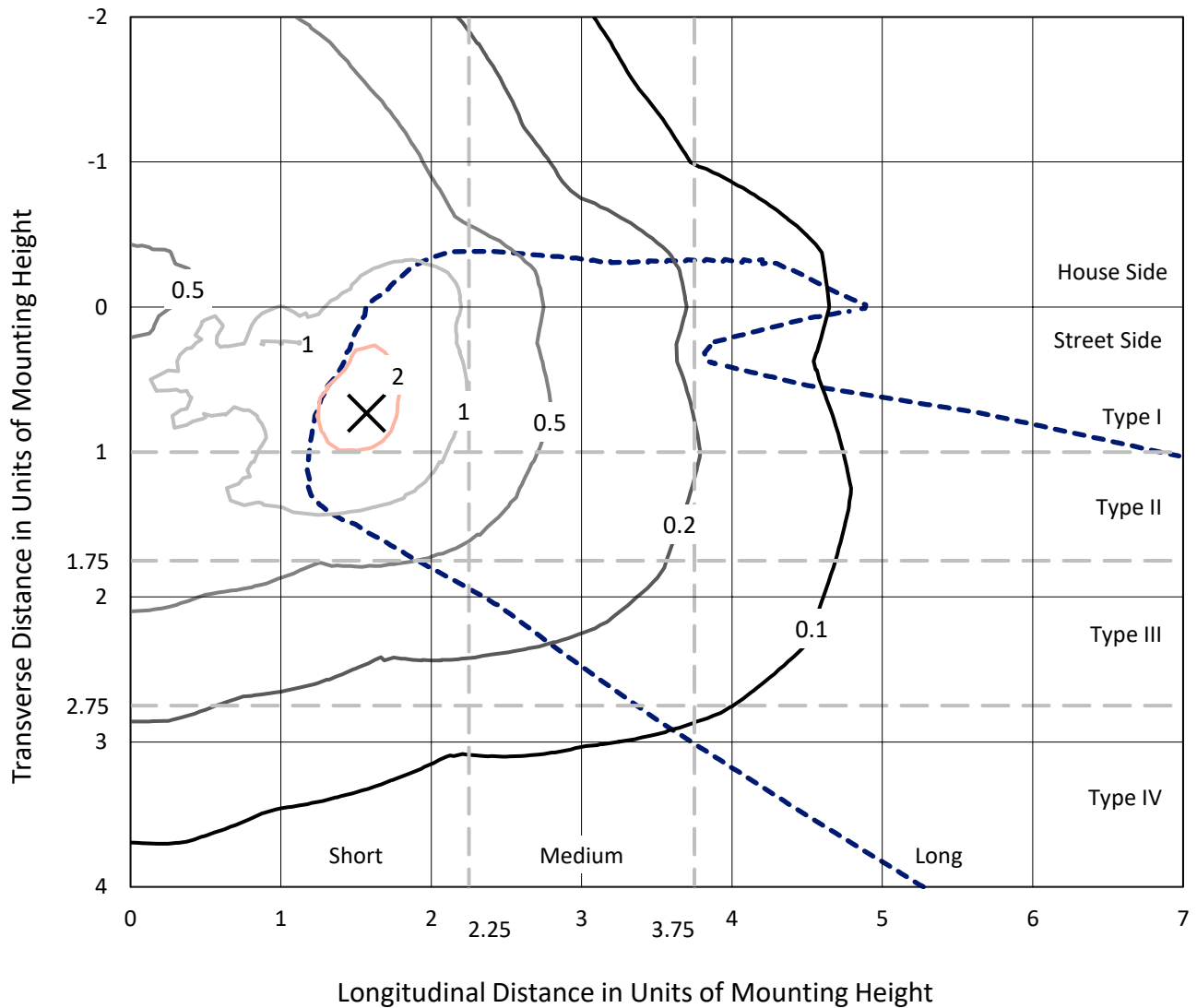
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

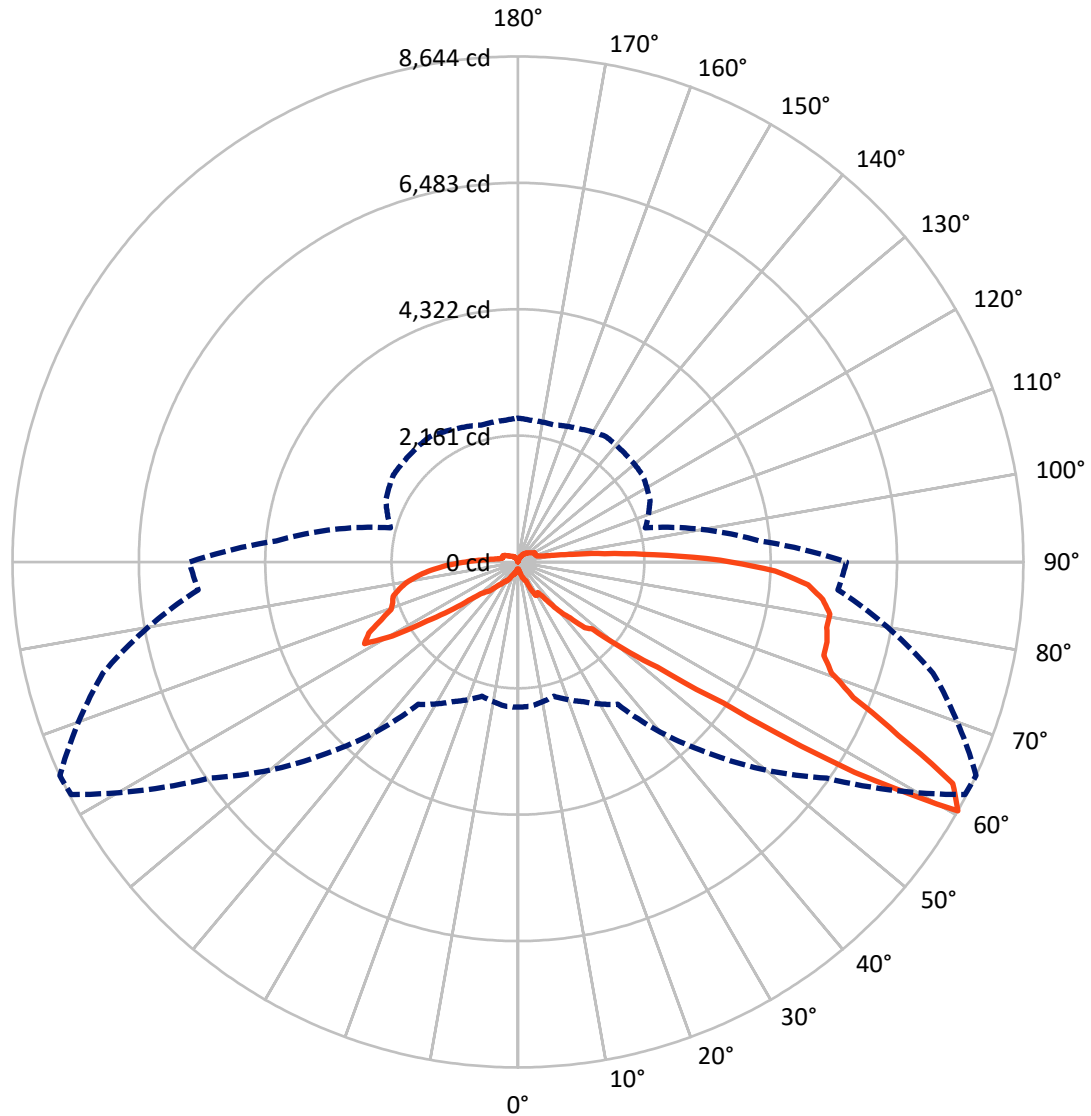
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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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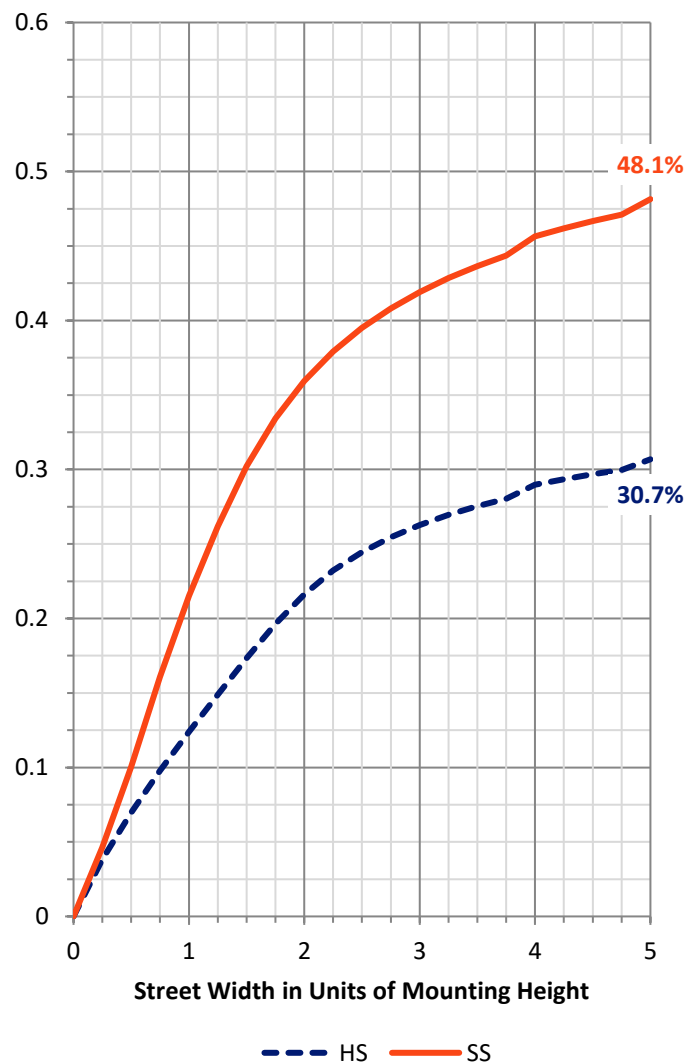
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4995.5	800.0	5795.5
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	7992.1	1192.4	9184.5
	% Fixture	53.4	8.0	61.3
Total	Lumens	12987.6	1992.4	14980.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	64.0	0.4
20°-30°	183.0	1.2
30°-40°	394.0	2.6
40°-50°	745.6	5.0
50°-60°	2082.7	13.9
60°-70°	3713.1	24.8
70°-80°	3250.9	21.7
80°-90°	2540.0	17.0
90°-100°	960.3	6.4
100°-110°	330.3	2.2
110°-120°	270.1	1.8
120°-130°	181.5	1.2
130°-140°	124.5	0.8
140°-150°	78.3	0.5
150°-160°	36.3	0.2
160°-170°	10.3	0.1
170°-180°	0.9	0.0
0°-90°	12987.6	86.7
0°-180°	14980.0	100.0

Coefficient of Utilization



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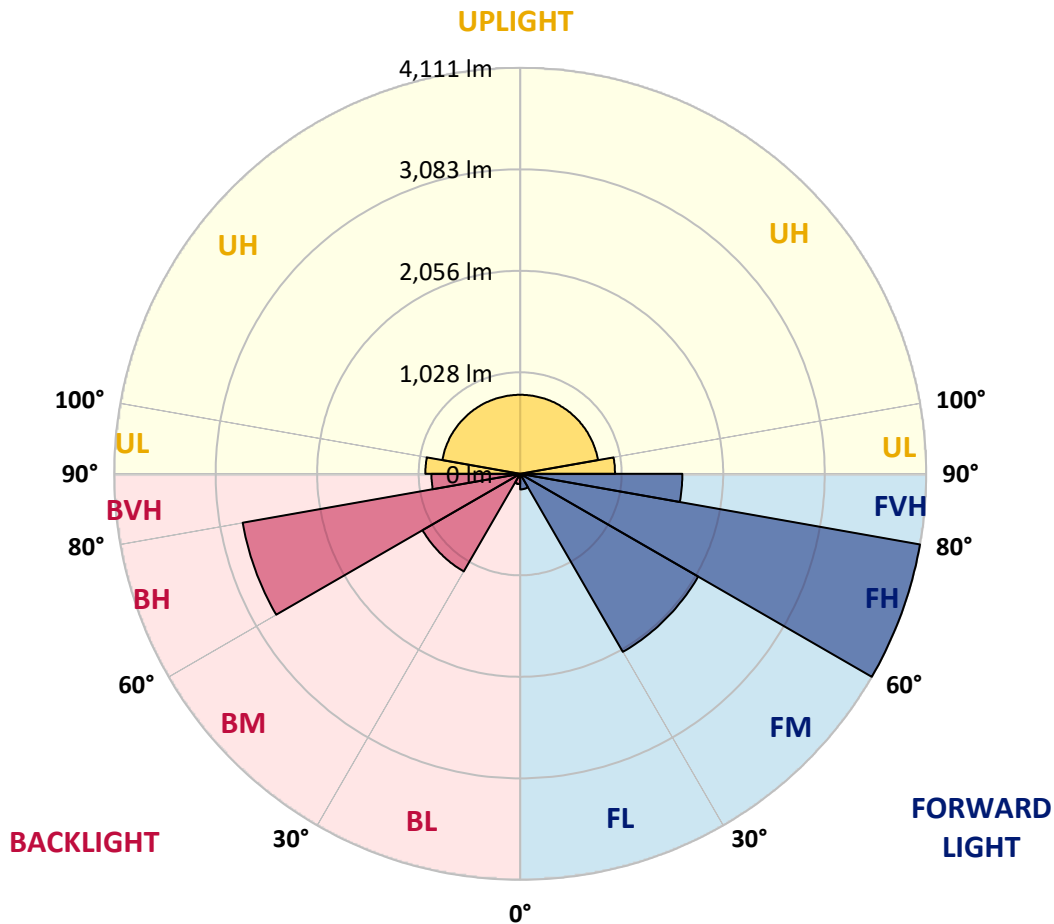
CATALOG NUMBER: ARC-CA6-110-740-U-33-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.8	1.1			
FM (30°-60°)	2081.3	13.9			
FH (60°-80°)	4111.2	27.4			G2/5000
FVH (80°-90°)	1641.8	11.0			G5
BL (0°-30°)	103.5	0.7	B0/110		
BM (30°-60°)	1141.0	7.6	B2/2500		
BH (60°-80°)	2852.8	19.0	B4/5000		G4/5000
BVH (80°-90°)	898.2	6.0			G5
UL (90°-100°)	960.3	6.4		U4/1000	
UH (100°-180°)	800.0	5.3		U4/1000	

BUG Rating: B4-U5-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6
2.5°	132.1	128.2	124.3	124.3	122.4	120.4	120.4	116.5	118.5	116.5	116.5
5°	155.4	153.4	149.5	151.5	147.6	145.7	145.7	143.7	141.8	139.8	134.0
7.5°	180.6	180.6	182.6	184.5	178.7	172.8	170.9	167.0	167.0	165.1	161.2
10°	207.8	205.9	198.1	198.1	194.2	190.3	192.3	190.3	190.3	190.3	182.6
12.5°	215.6	213.6	207.8	207.8	207.8	205.9	213.6	211.7	213.6	211.7	200.0
15°	242.8	240.8	238.9	240.8	248.6	264.1	283.6	275.8	277.7	273.8	231.1
17.5°	254.4	260.2	264.1	266.1	273.8	273.8	277.7	275.8	283.6	289.4	264.1
20°	295.2	291.3	295.2	308.8	328.2	330.2	324.3	324.3	328.2	330.2	281.6
22.5°	312.7	310.7	326.3	314.6	314.6	324.3	359.3	347.6	347.6	343.8	303.0
25°	405.9	413.7	429.2	448.6	495.2	508.8	547.7	505.0	510.8	450.6	384.5
27.5°	487.5	493.3	584.6	666.2	703.1	683.6	716.6	637.0	644.8	652.6	561.3
30°	512.7	524.4	656.4	716.6	765.2	726.4	769.1	664.2	658.4	703.1	666.2
32.5°	493.3	505.0	644.8	670.0	720.5	864.2	809.9	640.9	623.4	644.8	689.5
35°	541.9	549.6	633.1	572.9	619.5	1208.0	1060.4	747.7	712.8	594.3	660.3
37.5°	650.6	650.6	749.7	792.4	827.3	1425.5	1392.5	930.3	903.1	695.3	763.3
40°	788.5	784.6	907.0	936.1	951.6	1291.5	1683.8	1186.6	1126.4	817.6	994.4
42.5°	872.0	864.2	963.3	994.4	994.4	1093.4	1905.2	1444.9	1305.1	953.6	1215.8
45°	905.0	912.8	1041.0	1002.1	1031.3	1122.6	2142.2	1802.3	1606.1	1118.7	1410.0
47.5°	819.6	831.2	1015.7	1019.6	872.0	897.3	1920.8	1872.2	1711.0	1198.3	1472.1
50°	1006.0	1013.8	1079.8	1035.2	963.3	1136.1	2287.8	2406.3	2336.4	1483.8	1553.7
52.5°	1380.9	1415.8	1478.0	1516.8	1495.4	1909.1	3068.6	3047.2	2988.9	2227.6	2120.8
55°	1788.7	1817.8	1905.2	2140.2	2318.9	2858.8	3816.3	4263.0	4259.1	3618.2	3305.5
57.5°	2159.7	2161.6	2173.2	2462.6	2738.4	3732.8	4999.1	6640.2	6787.8	5779.8	4733.0
60°	2482.0	2476.2	2377.2	2635.5	2971.5	4628.1	6444.0	8615.3	8644.4	7349.0	5490.4
62.5°	2569.4	2552.0	2408.2	2649.1	2936.5	4645.6	6813.0	8380.3	8347.3	7459.7	5589.5
65°	2493.7	2476.2	2293.7	2509.2	2645.2	4222.2	6292.5	7207.3	7152.9	6814.9	5321.4
67.5°	2381.1	2392.7	2212.1	2377.2	2470.4	3960.0	5744.8	6201.2	6185.7	6350.8	5098.1
70°	2217.9	2227.6	2062.5	2266.5	2402.4	3793.0	5220.5	5715.7	5688.5	5931.3	4769.9
72.5°	2223.7	2252.9	2056.7	2210.1	2351.9	3563.8	4983.5	5548.7	5469.0	5506.0	4375.6
75°	2239.3	2278.1	2070.3	2208.2	2340.3	3480.3	4956.3	5562.3	5461.3	5352.5	4226.1
77.5°	2245.1	2301.4	2078.1	2229.6	2344.2	3365.7	4894.2	5494.3	5399.1	5204.9	4049.3
80°	2198.5	2258.7	2045.1	2231.5	2318.9	3138.5	4736.9	5482.6	5410.8	5185.5	3977.5
82.5°	2105.3	2165.5	1981.0	2134.4	2270.4	2907.4	4515.5	5255.4	5251.5	4999.1	3826.0
85°	1901.3	1967.4	1827.5	1969.3	2136.3	2600.5	4068.8	4868.9	4975.7	4771.8	3622.1
87.5°	1705.2	1771.2	1697.4	1777.1	1946.0	2260.6	3495.8	4202.8	4402.8	4233.9	3111.3
90°	1481.8	1549.8	1489.6	1458.5	1594.5	1804.2	2794.7	3268.6	3457.0	3354.1	2289.8
92.5°	1186.6	1244.9	1188.6	1116.7	1198.3	1324.5	2076.1	2287.8	2332.5	2233.5	1501.3
95°	897.3	940.0	889.5	817.6	827.3	907.0	1431.4	1499.3	1487.7	1369.2	953.6
97.5°	623.4	648.7	615.7	565.2	582.6	633.1	947.8	940.0	940.0	837.1	623.4
100°	433.1	442.8	427.3	404.0	417.6	450.6	637.0	635.1	615.7	565.2	454.5
102.5°	343.8	345.7	330.2	314.6	306.9	337.9	460.3	458.3	462.2	438.9	355.4
105°	303.0	301.0	287.4	273.8	258.3	289.4	365.1	380.7	378.7	359.3	304.9
107.5°	277.7	275.8	262.2	250.5	236.9	264.1	316.6	337.9	336.0	334.0	287.4
110°	258.3	256.4	244.7	233.1	221.4	252.5	297.1	330.2	330.2	330.2	291.3



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CATALOG NUMBER: ARC-CA6-110-740-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	244.7	244.7	235.0	225.3	215.6	250.5	285.5	324.3	324.3	334.0	304.9
115°	236.9	235.0	227.2	221.4	213.6	252.5	281.6	320.5	322.4	336.0	303.0
117.5°	231.1	229.2	223.3	215.6	211.7	248.6	283.6	328.2	326.3	347.6	297.1
120°	221.4	217.5	209.8	202.0	198.1	229.2	275.8	318.5	314.6	324.3	273.8
122.5°	213.6	202.0	188.4	182.6	182.6	207.8	258.3	287.4	283.6	275.8	246.7
125°	196.2	184.5	172.8	170.9	172.8	194.2	246.7	264.1	266.1	260.2	233.1
127.5°	176.7	169.0	163.1	163.1	167.0	190.3	242.8	254.4	254.4	242.8	221.4
130°	167.0	165.1	161.2	161.2	169.0	192.3	236.9	240.8	240.8	225.3	215.6
132.5°	163.1	159.3	155.4	155.4	163.1	186.4	221.4	229.2	227.2	211.7	203.9
135°	155.4	153.4	149.5	149.5	159.3	182.6	207.8	215.6	213.6	194.2	188.4
137.5°	151.5	147.6	147.6	147.6	157.3	180.6	196.2	202.0	200.0	180.6	174.8
140°	145.7	143.7	139.8	139.8	153.4	174.8	184.5	186.4	184.5	169.0	163.1
142.5°	135.9	134.0	132.1	135.9	149.5	165.1	172.8	172.8	170.9	161.2	153.4
145°	130.1	128.2	126.2	135.9	147.6	155.4	163.1	157.3	157.3	151.5	143.7
147.5°	124.3	122.4	122.4	130.1	139.8	139.8	145.7	143.7	145.7	143.7	135.9
150°	112.6	110.7	110.7	116.5	118.5	118.5	124.3	124.3	124.3	124.3	118.5
152.5°	99.0	97.1	99.0	101.0	101.0	101.0	104.9	106.8	106.8	104.9	102.9
155°	85.5	85.5	85.5	87.4	87.4	85.5	91.3	91.3	91.3	91.3	89.3
157.5°	75.7	75.7	75.7	75.7	75.7	73.8	77.7	77.7	79.6	77.7	77.7
160°	66.0	64.1	64.1	64.1	64.1	62.1	64.1	64.1	64.1	66.0	66.0
162.5°	52.4	50.5	50.5	50.5	50.5	46.6	50.5	48.6	50.5	50.5	52.4
165°	42.7	40.8	40.8	40.8	38.8	36.9	38.8	36.9	36.9	36.9	38.8
167.5°	33.0	33.0	31.1	33.0	31.1	27.2	27.2	25.2	25.2	25.2	25.2
170°	25.2	23.3	21.4	23.3	21.4	17.5	17.5	15.5	15.5	13.6	13.6
172.5°	17.5	15.5	13.6	15.5	13.6	9.7	9.7	5.8	5.8	5.8	5.8
175°	15.5	13.6	11.7	13.6	11.7	7.8	5.8	3.9	3.9	3.9	3.9
177.5°	15.5	13.6	11.7	13.6	11.7	7.8	5.8	3.9	3.9	3.9	3.9
180°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6
2.5°	116.5	114.6	112.6	116.5	114.6	116.5	118.5	120.4	120.4	118.5	118.5
5°	134.0	132.1	128.2	126.2	122.4	122.4	122.4	126.2	126.2	124.3	126.2
7.5°	159.3	155.4	149.5	145.7	139.8	139.8	137.9	141.8	143.7	139.8	141.8
10°	178.7	176.7	169.0	163.1	157.3	155.4	155.4	157.3	157.3	155.4	155.4
12.5°	196.2	192.3	184.5	178.7	170.9	169.0	169.0	170.9	170.9	169.0	169.0
15°	221.4	209.8	202.0	196.2	188.4	186.4	184.5	186.4	188.4	184.5	184.5
17.5°	256.4	242.8	225.3	209.8	202.0	205.9	207.8	209.8	207.8	202.0	202.0
20°	275.8	268.0	244.7	233.1	223.3	223.3	223.3	223.3	223.3	221.4	223.3
22.5°	289.4	277.7	248.6	240.8	235.0	238.9	242.8	244.7	244.7	242.8	242.8
25°	351.5	308.8	279.7	273.8	266.1	268.0	264.1	264.1	266.1	264.1	268.0
27.5°	483.6	413.7	347.6	324.3	318.5	318.5	322.4	322.4	322.4	322.4	320.5
30°	580.7	499.1	390.4	359.3	355.4	372.9	382.6	390.4	386.5	380.7	380.7
32.5°	596.2	506.9	398.1	386.5	396.2	409.8	419.5	425.3	431.2	429.2	427.3
35°	563.2	468.1	392.3	407.8	415.6	423.4	425.3	421.4	438.9	446.7	448.6
37.5°	629.3	524.4	456.4	468.1	458.3	450.6	454.5	456.4	479.7	491.4	503.0
40°	804.0	633.1	518.5	512.7	506.9	524.4	547.7	559.3	557.4	549.6	551.6
42.5°	973.0	740.0	584.6	582.6	580.7	611.8	648.7	646.7	629.3	615.7	615.7
45°	1145.9	842.9	689.5	691.4	687.5	699.2	708.9	701.1	703.1	706.9	710.8
47.5°	1252.7	936.1	755.5	749.7	724.4	747.7	774.9	757.4	751.6	741.9	745.8
50°	1277.9	959.4	794.3	837.1	813.8	796.3	767.1	755.5	776.9	792.4	804.0
52.5°	1660.5	1184.7	992.4	1060.4	1029.3	967.2	961.4	941.9	965.2	967.2	980.8
55°	2783.1	1899.4	1367.3	1433.3	1435.2	1413.9	1511.0	1456.6	1408.0	1386.7	1378.9
57.5°	4387.3	2936.5	1769.3	1852.8	1932.4	2008.2	2140.2	2029.5	1889.7	1872.2	1891.6
60°	5618.6	4146.5	2256.8	2491.8	2598.6	2602.5	2619.9	2511.2	2425.7	2433.5	2460.7
62.5°	5882.7	5156.4	2874.4	2971.5	2981.2	2909.3	2940.4	3010.3	2889.9	2794.7	2820.0
65°	5706.0	5556.4	3076.3	2823.9	2808.3	2820.0	3031.7	3225.9	2983.1	2742.3	2742.3
67.5°	5364.2	5251.5	2870.5	2540.3	2583.0	2715.1	2983.1	3080.2	2821.9	2565.6	2565.6
70°	4999.1	4773.8	2639.4	2315.0	2419.9	2573.3	2748.1	2755.9	2604.4	2421.8	2410.2
72.5°	4604.8	4400.9	2540.3	2249.0	2297.5	2324.7	2419.9	2480.1	2462.6	2344.2	2342.2
75°	4488.3	4323.2	2538.4	2217.9	2188.8	2179.1	2245.1	2375.2	2435.4	2365.5	2369.4
77.5°	4311.5	4212.5	2419.9	2087.8	2056.7	2056.7	2091.7	2196.6	2287.8	2258.7	2268.4
80°	4189.2	4039.6	2239.3	1946.0	1903.3	1909.1	1913.0	1984.9	2070.3	2074.2	2074.2
82.5°	3954.2	3672.6	1965.4	1734.3	1705.2	1713.0	1699.4	1740.2	1763.5	1792.6	1786.8
85°	3567.7	3169.6	1660.5	1503.2	1456.6	1441.1	1429.4	1431.4	1444.9	1439.1	1415.8
87.5°	2988.9	2513.1	1324.5	1233.3	1178.9	1140.0	1124.5	1105.1	1103.1	1081.8	1089.5
90°	2206.3	1724.6	982.7	949.7	910.9	870.1	848.7	829.3	813.8	792.4	784.6
92.5°	1439.1	1110.9	718.6	701.1	675.9	652.6	642.8	633.1	629.3	611.8	617.6
95°	899.2	751.6	539.9	520.5	506.9	501.1	503.0	505.0	501.1	481.6	487.5
97.5°	600.1	543.8	421.4	407.8	394.3	392.3	394.3	398.1	400.1	386.5	390.4
100°	442.8	417.6	345.7	336.0	324.3	320.5	322.4	326.3	328.2	316.6	318.5
102.5°	351.5	339.9	299.1	295.2	281.6	277.7	281.6	283.6	285.5	277.7	277.7
105°	308.8	308.8	275.8	273.8	264.1	260.2	262.2	264.1	266.1	258.3	258.3
107.5°	297.1	299.1	266.1	268.0	262.2	260.2	264.1	268.0	266.1	260.2	258.3
110°	306.9	310.7	266.1	271.9	273.8	277.7	285.5	287.4	287.4	283.6	285.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	316.6	322.4	262.2	275.8	289.4	299.1	312.7	320.5	316.6	314.6	316.6
115°	308.8	312.7	244.7	266.1	291.3	304.9	308.8	308.8	299.1	299.1	301.0
117.5°	299.1	306.9	227.2	244.7	262.2	273.8	271.9	266.1	254.4	250.5	262.2
120°	277.7	301.0	217.5	221.4	223.3	227.2	221.4	215.6	205.9	203.9	211.7
122.5°	256.4	277.7	200.0	196.2	194.2	194.2	192.3	190.3	184.5	186.4	194.2
125°	238.9	250.5	182.6	176.7	174.8	176.7	176.7	176.7	172.8	169.0	169.0
127.5°	225.3	229.2	172.8	165.1	163.1	163.1	163.1	165.1	163.1	157.3	157.3
130°	217.5	215.6	167.0	153.4	151.5	153.4	153.4	155.4	151.5	147.6	147.6
132.5°	202.0	198.1	159.3	145.7	143.7	145.7	145.7	145.7	141.8	137.9	137.9
135°	184.5	180.6	149.5	135.9	134.0	135.9	135.9	137.9	134.0	130.1	130.1
137.5°	170.9	167.0	139.8	128.2	126.2	126.2	128.2	128.2	126.2	122.4	122.4
140°	159.3	155.4	130.1	120.4	116.5	118.5	118.5	118.5	116.5	112.6	112.6
142.5°	149.5	147.6	120.4	110.7	106.8	108.8	108.8	110.7	106.8	102.9	102.9
145°	141.8	137.9	112.6	101.0	99.0	99.0	99.0	101.0	97.1	93.2	93.2
147.5°	134.0	130.1	102.9	91.3	89.3	89.3	89.3	89.3	87.4	83.5	81.6
150°	118.5	116.5	95.2	83.5	79.6	79.6	79.6	77.7	73.8	69.9	69.9
152.5°	101.0	99.0	83.5	73.8	69.9	69.9	68.0	68.0	64.1	62.1	60.2
155°	87.4	87.4	75.7	66.0	62.1	60.2	58.3	58.3	56.3	54.4	52.4
157.5°	77.7	75.7	68.0	60.2	52.4	52.4	50.5	50.5	48.6	46.6	44.7
160°	66.0	66.0	58.3	50.5	44.7	42.7	42.7	40.8	38.8	36.9	36.9
162.5°	52.4	52.4	46.6	40.8	35.0	35.0	33.0	33.0	31.1	29.1	27.2
165°	36.9	36.9	35.0	31.1	27.2	25.2	25.2	25.2	23.3	21.4	21.4
167.5°	25.2	25.2	23.3	21.4	19.4	17.5	19.4	19.4	17.5	15.5	15.5
170°	13.6	13.6	11.7	11.7	9.7	9.7	11.7	13.6	11.7	9.7	7.8
172.5°	5.8	5.8	5.8	5.8	3.9	5.8	7.8	9.7	7.8	5.8	5.8
175°	3.9	3.9	5.8	5.8	3.9	5.8	7.8	9.7	7.8	5.8	5.8
177.5°	3.9	3.9	5.8	5.8	3.9	5.8	7.8	9.7	7.8	5.8	5.8
180°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(END OF REPORT)