

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: P588610

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

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588610
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-CA6-130-760-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: 8222 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U4 - G5

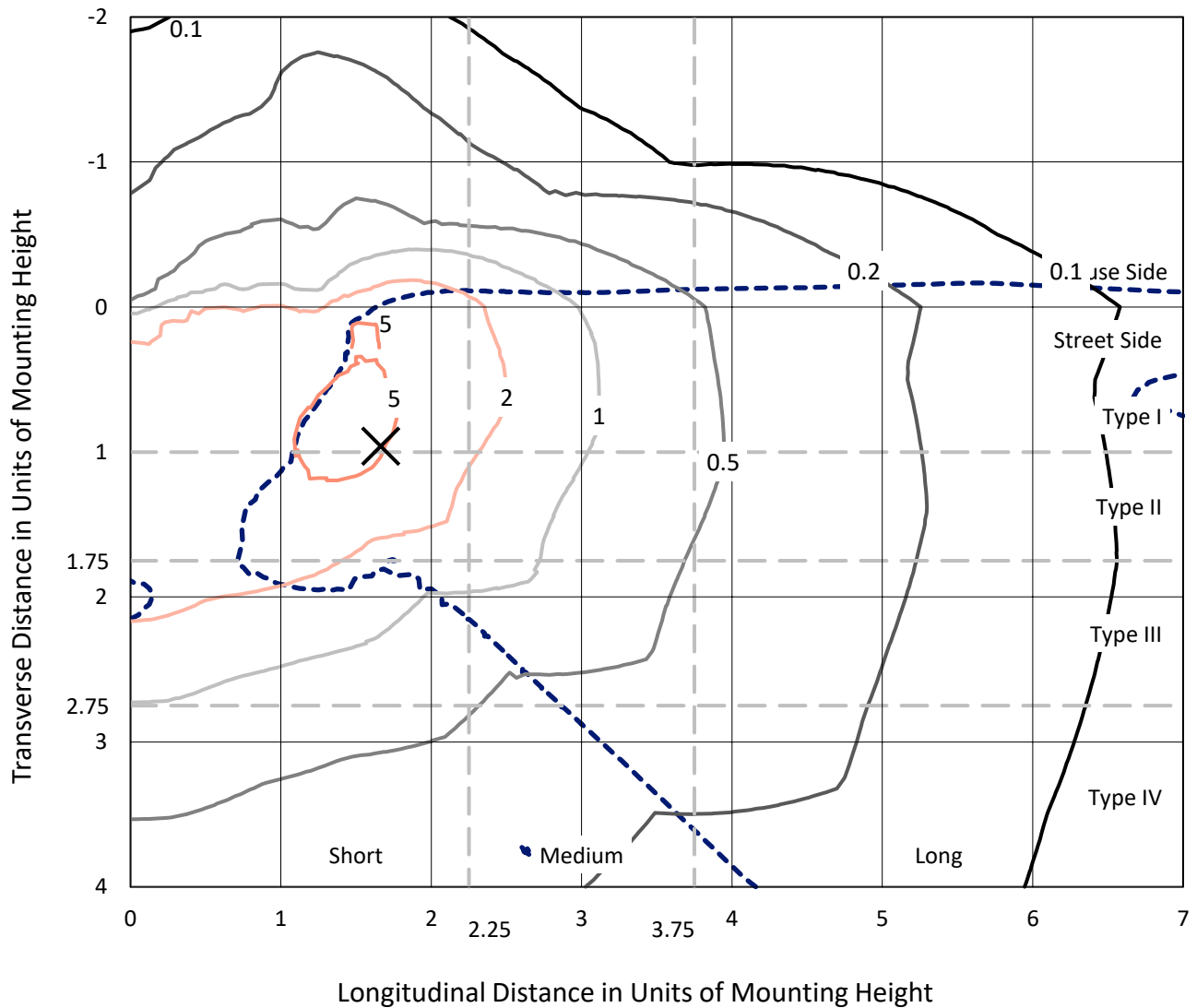
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

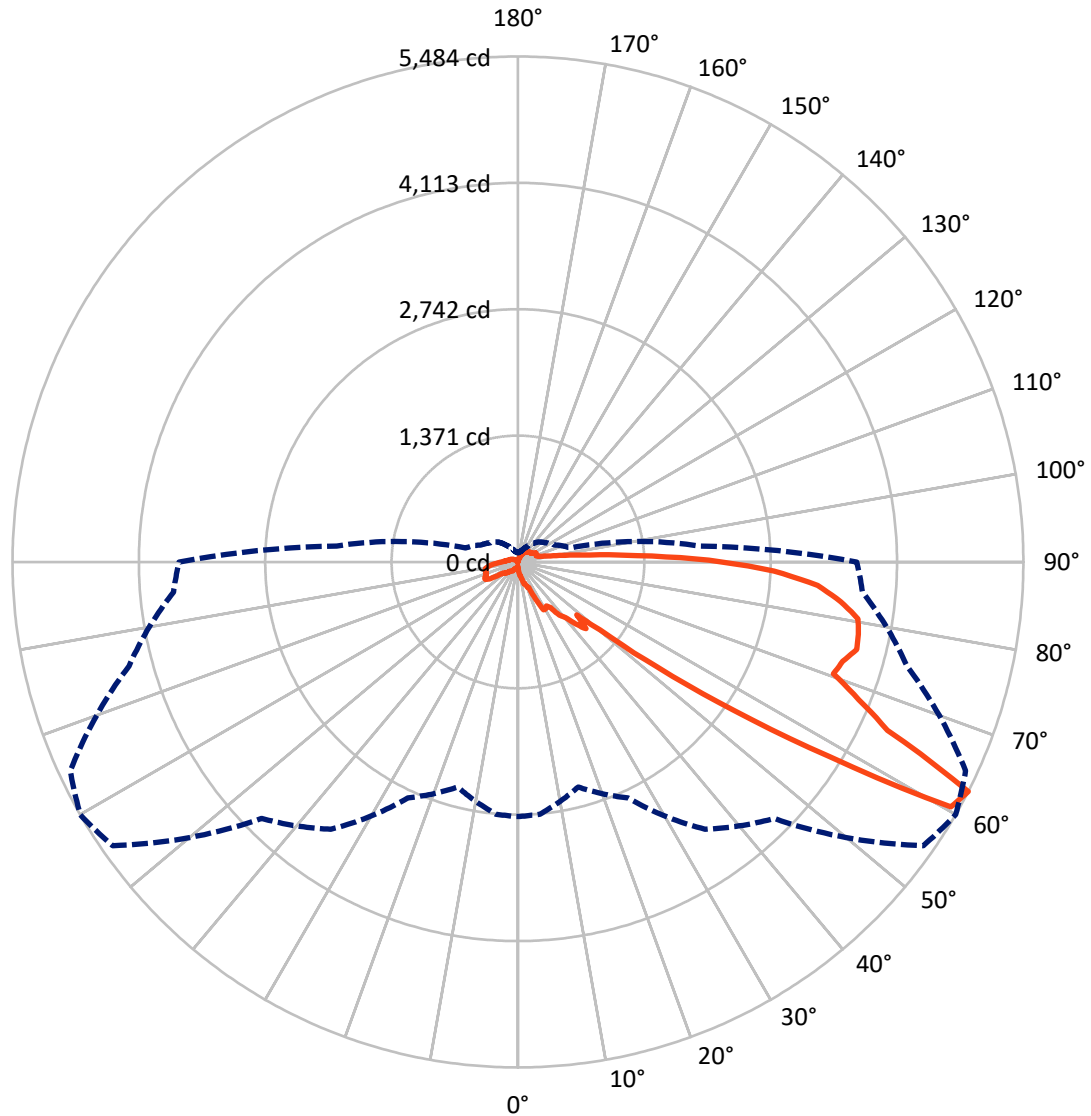
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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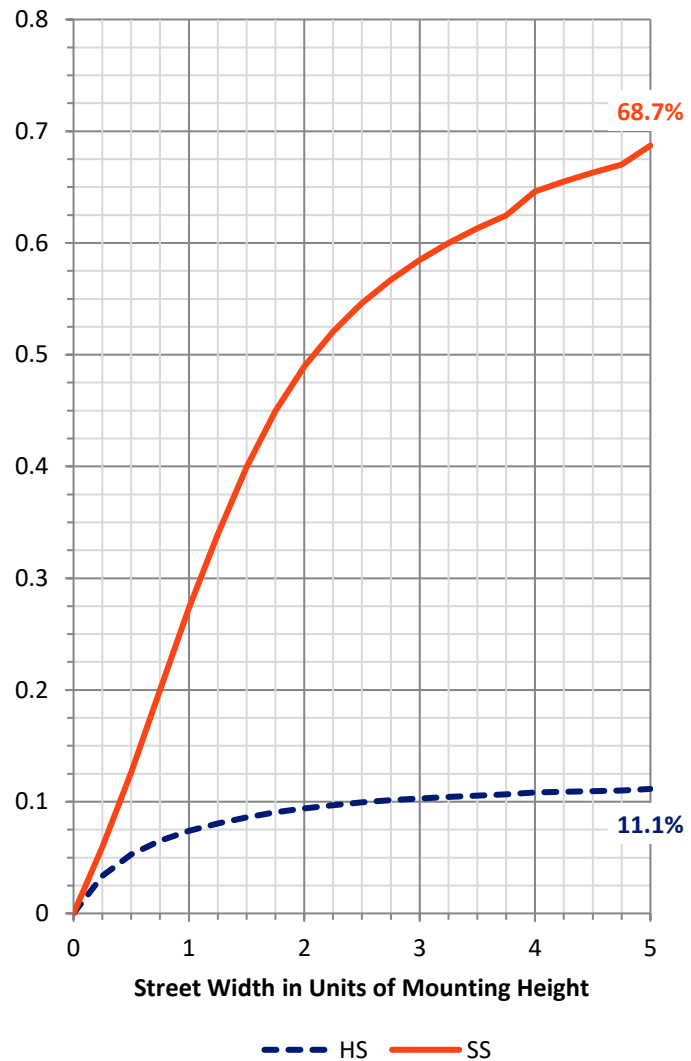
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.5	192.3	1156.8
	% Fixture	11.7	2.3	14.1
Street Side	Lumens	6280.4	784.8	7065.2
	% Fixture	76.4	9.5	85.9
Total	Lumens	7244.9	977.1	8222.0
	% Fixture	88.1	11.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	39.5	0.5
20°-30°	117.6	1.4
30°-40°	236.2	2.9
40°-50°	415.8	5.1
50°-60°	1147.9	14.0
60°-70°	1984.7	24.1
70°-80°	1842.2	22.4
80°-90°	1452.6	17.7
90°-100°	460.9	5.6
100°-110°	164.4	2.0
110°-120°	135.1	1.6
120°-130°	88.8	1.1
130°-140°	63.3	0.8
140°-150°	40.9	0.5
150°-160°	18.8	0.2
160°-170°	4.6	0.1
170°-180°	0.2	0.0
0°-90°	7244.9	88.1
0°-180°	8222.0	100.0



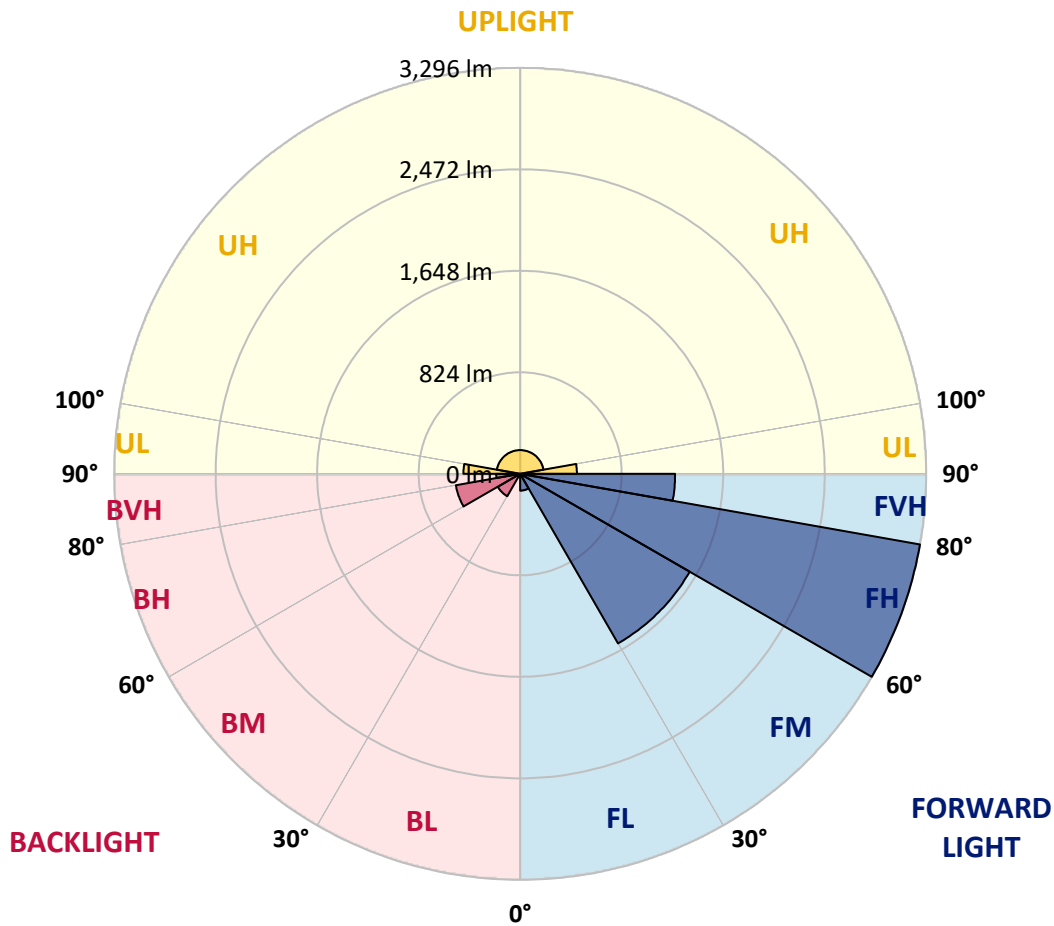
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.5	1.7			
FM (30°-60°)	1589.8	19.3			
FH (60°-80°)	3296.3	40.1			G2/5000
FVH (80°-90°)	1257.8	15.3			G5
BL (0°-30°)	29.2	0.4	B0/110		
BM (30°-60°)	210.0	2.6	B0/220		
BH (60°-80°)	530.5	6.5	B2/1000		G2/1000
BVH (80°-90°)	194.8	2.4			G2/225
UL (90°-100°)	460.9	5.6		U3/500	
UH (100°-180°)	192.3	2.3		U3/500	

BUG Rating: B2-U4-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	97.4	94.9	96.2	96.2	97.4	92.4	87.3	83.5	79.7	74.7	68.3
5°	139.2	136.7	132.9	131.6	129.1	124.0	116.4	113.9	106.3	96.2	83.5
7.5°	169.6	168.3	167.0	163.2	160.7	153.1	144.2	140.5	131.6	117.7	102.5
10°	192.3	192.3	193.6	187.3	175.9	169.6	162.0	159.4	153.1	134.1	115.1
12.5°	211.3	208.8	198.7	193.6	188.5	189.8	191.1	189.8	187.3	155.6	129.1
15°	229.0	226.5	218.9	212.6	208.8	221.4	249.3	246.7	245.5	196.1	150.6
17.5°	241.7	241.7	249.3	254.3	260.7	241.7	236.6	244.2	253.1	216.4	170.8
20°	278.4	273.3	267.0	261.9	293.6	279.6	284.7	293.6	299.9	241.7	187.3
22.5°	261.9	263.2	291.0	301.1	286.0	278.4	296.1	299.9	301.1	277.1	194.9
25°	358.1	341.6	331.5	363.1	360.6	416.3	432.7	444.1	444.1	375.8	272.0
27.5°	494.7	494.7	537.8	621.3	607.4	608.6	589.6	588.4	612.4	635.2	413.8
30°	536.5	550.4	670.6	712.4	757.9	701.0	639.0	590.9	601.0	723.8	482.1
32.5°	549.2	561.8	707.3	661.8	678.2	655.4	664.3	566.9	542.8	666.8	469.4
35°	479.6	497.3	616.2	558.0	526.4	594.7	676.9	607.4	596.0	547.9	425.1
37.5°	640.3	649.1	690.9	682.0	692.1	695.9	794.6	731.4	744.0	661.8	537.8
40°	735.2	725.0	888.3	927.5	912.3	898.4	889.5	792.1	807.3	766.8	727.6
42.5°	903.4	892.1	1007.2	1031.2	1035.0	998.3	1040.1	917.4	879.4	795.9	906.0
45°	914.8	921.2	1030.0	968.0	1032.5	1099.6	1175.5	1033.8	965.4	825.0	1052.8
47.5°	809.8	837.6	1076.8	1022.4	959.1	899.6	928.7	856.6	801.0	652.9	1012.3
50°	826.3	837.6	990.7	926.2	770.6	954.1	1209.7	1157.8	1097.0	809.8	975.6
52.5°	1169.2	1164.1	1231.2	1235.0	1274.2	1432.3	1937.2	1895.5	1905.6	1576.6	1452.6
55°	1603.2	1600.6	1770.2	2041.0	2264.9	2342.1	3001.4	2836.9	2762.2	2443.3	2564.8
57.5°	2072.6	2094.1	2168.8	2548.4	2931.8	3031.7	4064.2	3979.4	3815.0	3187.4	3511.3
60°	2567.3	2554.7	2444.6	2693.9	3307.6	3806.1	5354.9	5395.3	5067.6	4012.3	3832.7
62.5°	2762.2	2745.8	2526.9	2824.2	3539.1	3935.2	5367.5	5483.9	5358.7	4369.2	3751.7
65°	2729.3	2691.3	2400.3	2634.4	2987.4	3348.0	4791.8	4405.9	4610.8	4467.9	3546.7
67.5°	2600.2	2591.4	2320.6	2449.7	2680.0	2726.8	4376.8	3987.0	4060.4	4556.4	3607.4
70°	2438.3	2435.8	2230.8	2328.2	2655.9	2607.8	4051.6	3632.7	3589.7	4078.1	3622.6
72.5°	2443.3	2440.8	2214.3	2247.2	2599.0	2520.5	4017.4	3683.4	3604.9	3842.8	3448.0
75°	2485.1	2487.6	2247.2	2283.9	2678.7	2538.2	4098.4	3796.0	3716.3	3820.0	3308.8
77.5°	2444.6	2464.9	2228.2	2310.5	2729.3	2535.7	4060.4	3774.5	3661.9	3632.7	3043.1
80°	2309.2	2337.1	2124.5	2219.4	2683.8	2569.9	4028.8	3741.6	3598.6	3439.2	2852.0
82.5°	2025.8	2054.9	1891.7	1979.0	2496.5	2429.4	3807.4	3529.0	3401.2	3122.8	2602.8
85°	1741.1	1808.1	1728.4	1741.1	2204.2	2224.4	3508.7	3263.3	3174.7	2931.8	2518.0
87.5°	1437.4	1495.6	1421.0	1331.1	1651.2	1767.7	2901.4	2779.9	2755.9	2587.6	2185.2
90°	1064.1	1117.3	1073.0	955.3	1118.5	1191.9	2138.4	2071.3	2123.2	1930.9	1501.9
92.5°	771.8	780.7	728.8	631.4	745.3	780.7	1402.0	1299.5	1360.2	1183.1	880.7
95°	516.3	537.8	497.3	455.5	540.3	544.1	864.2	788.3	755.4	679.5	526.4
97.5°	378.3	379.6	364.4	326.5	379.6	384.7	574.5	517.5	488.4	456.8	364.4
100°	299.9	299.9	277.1	253.1	264.5	274.6	399.8	360.6	345.4	331.5	274.6
102.5°	261.9	260.7	241.7	217.6	216.4	221.4	302.4	275.8	264.5	255.6	216.4
105°	248.0	246.7	227.8	202.5	196.1	192.3	251.8	234.1	226.5	218.9	194.9
107.5°	245.5	242.9	224.0	201.2	191.1	180.9	226.5	211.3	212.6	205.0	187.3
110°	248.0	248.0	231.6	217.6	201.2	187.3	227.8	211.3	216.4	213.8	194.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	241.7	248.0	241.7	232.8	215.1	203.7	237.9	218.9	225.2	225.2	201.2
115°	227.8	234.1	234.1	225.2	208.8	205.0	235.4	218.9	221.4	217.6	187.3
117.5°	208.8	212.6	210.0	199.9	186.0	183.5	218.9	211.3	211.3	199.9	174.6
120°	194.9	187.3	177.1	169.6	162.0	168.3	197.4	189.8	183.5	178.4	159.4
122.5°	174.6	165.8	154.4	150.6	145.5	154.4	179.7	173.3	167.0	164.5	150.6
125°	144.2	144.2	139.2	136.7	135.4	148.0	177.1	170.8	162.0	156.9	140.5
127.5°	139.2	139.2	135.4	132.9	134.1	149.3	173.3	167.0	156.9	150.6	135.4
130°	140.5	137.9	132.9	129.1	130.3	148.0	172.1	164.5	154.4	149.3	135.4
132.5°	132.9	130.3	126.5	124.0	122.7	140.5	163.2	159.4	151.8	140.5	125.3
135°	129.1	126.5	124.0	122.7	122.7	136.7	155.6	151.8	144.2	131.6	115.1
137.5°	127.8	125.3	120.2	118.9	117.7	130.3	145.5	143.0	135.4	124.0	110.1
140°	121.5	117.7	113.9	112.6	112.6	122.7	137.9	135.4	127.8	118.9	106.3
142.5°	112.6	110.1	106.3	106.3	107.6	117.7	134.1	132.9	124.0	113.9	102.5
145°	107.6	105.0	102.5	103.8	105.0	113.9	126.5	125.3	118.9	110.1	98.7
147.5°	98.7	97.4	94.9	93.6	96.2	103.8	117.7	117.7	113.9	102.5	91.1
150°	86.0	84.8	82.2	81.0	83.5	91.1	102.5	102.5	98.7	87.3	77.2
152.5°	72.1	70.9	70.9	72.1	74.7	78.5	88.6	89.8	86.0	74.7	65.8
155°	63.3	62.0	62.0	63.3	67.1	70.9	77.2	77.2	73.4	65.8	56.9
157.5°	54.4	53.1	53.1	54.4	58.2	60.7	67.1	65.8	63.3	56.9	49.3
160°	41.8	40.5	40.5	41.8	45.6	48.1	53.1	53.1	51.9	48.1	41.8
162.5°	31.6	30.4	30.4	31.6	34.2	35.4	39.2	40.5	40.5	38.0	32.9
165°	24.0	22.8	22.8	22.8	25.3	26.6	27.8	27.8	27.8	26.6	22.8
167.5°	15.2	13.9	13.9	15.2	16.4	16.4	17.7	17.7	16.4	16.4	13.9
170°	7.6	6.3	6.3	7.6	7.6	7.6	6.3	5.1	5.1	5.1	5.1
172.5°	2.5	1.3	3.8	3.8	2.5	0.0	0.0	1.3	1.3	1.3	0.0
175°	2.5	1.3	3.8	3.8	2.5	0.0	0.0	1.3	0.0	1.3	0.0
177.5°	1.3	1.3	3.8	3.8	2.5	0.0	0.0	0.0	0.0	1.3	0.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	65.8	64.5	59.5	51.9	44.3	36.7	35.4	36.7	38.0	39.2	40.5
5°	78.5	73.4	63.3	51.9	41.8	31.6	26.6	24.0	22.8	24.0	25.3
7.5°	94.9	88.6	75.9	62.0	49.3	39.2	32.9	26.6	22.8	22.8	24.0
10°	106.3	98.7	83.5	68.3	55.7	44.3	36.7	30.4	26.6	24.0	24.0
12.5°	118.9	108.8	88.6	72.1	58.2	48.1	40.5	34.2	30.4	27.8	27.8
15°	132.9	121.5	97.4	75.9	62.0	50.6	44.3	38.0	32.9	30.4	30.4
17.5°	155.6	136.7	102.5	79.7	64.5	53.1	45.6	39.2	34.2	31.6	31.6
20°	165.8	144.2	103.8	83.5	68.3	55.7	46.8	39.2	35.4	32.9	32.9
22.5°	165.8	143.0	106.3	86.0	72.1	58.2	48.1	40.5	35.4	32.9	32.9
25°	208.8	156.9	108.8	92.4	75.9	60.7	50.6	41.8	36.7	34.2	34.2
27.5°	292.3	205.0	125.3	98.7	81.0	64.5	53.1	44.3	38.0	35.4	35.4
30°	321.4	229.0	143.0	115.1	88.6	68.3	55.7	46.8	40.5	36.7	36.7
32.5°	327.7	225.2	153.1	126.5	101.2	74.7	58.2	49.3	41.8	38.0	38.0
35°	296.1	208.8	153.1	131.6	108.8	83.5	64.5	51.9	43.0	39.2	38.0
37.5°	345.4	225.2	156.9	132.9	112.6	89.8	72.1	55.7	45.6	40.5	40.5
40°	446.7	267.0	175.9	140.5	113.9	93.6	79.7	62.0	49.3	43.0	43.0
42.5°	522.6	301.1	196.1	159.4	124.0	98.7	82.2	67.1	54.4	46.8	45.6
45°	587.1	334.0	213.8	177.1	141.7	110.1	87.3	72.1	59.5	51.9	50.6
47.5°	598.5	350.5	227.8	194.9	155.6	121.5	94.9	77.2	65.8	56.9	55.7
50°	578.3	351.8	232.8	206.2	170.8	134.1	103.8	83.5	70.9	62.0	62.0
52.5°	826.3	439.1	255.6	212.6	175.9	144.2	115.1	91.1	75.9	68.3	68.3
55°	1490.6	709.8	330.2	251.8	188.5	151.8	125.3	102.5	83.5	74.7	74.7
57.5°	2409.2	1108.4	436.5	336.6	242.9	175.9	136.7	113.9	93.6	81.0	81.0
60°	3192.4	1563.9	531.4	410.0	318.9	241.7	165.8	129.1	105.0	89.8	88.6
62.5°	3675.8	1973.9	587.1	437.8	364.4	306.2	222.7	162.0	118.9	102.5	100.0
65°	3568.2	2178.9	611.2	435.3	361.9	326.5	265.7	201.2	143.0	117.7	113.9
67.5°	3277.2	2180.2	607.4	416.3	342.9	310.0	264.5	217.6	165.8	132.9	127.8
70°	3131.7	2142.2	588.4	402.4	327.7	289.8	245.5	199.9	163.2	141.7	139.2
72.5°	3062.1	2116.9	577.0	399.8	325.2	282.2	232.8	178.4	146.8	135.4	137.9
75°	3078.5	2132.1	582.0	403.6	330.2	286.0	227.8	165.8	129.1	116.4	118.9
77.5°	3041.8	2101.7	589.6	402.4	327.7	279.6	212.6	151.8	117.7	105.0	103.8
80°	3072.2	2035.9	571.9	389.7	308.7	254.3	188.5	135.4	107.6	98.7	97.4
82.5°	2839.4	1772.7	508.7	355.6	279.6	218.9	158.2	118.9	101.2	91.1	91.1
85°	2602.8	1437.4	436.5	312.5	230.3	172.1	126.5	103.8	88.6	81.0	81.0
87.5°	1975.2	1030.0	337.8	256.9	192.3	148.0	115.1	100.0	87.3	82.2	81.0
90°	1221.0	635.2	251.8	205.0	163.2	131.6	108.8	96.2	86.0	82.2	82.2
92.5°	683.3	406.2	194.9	168.3	140.5	117.7	100.0	87.3	78.5	74.7	74.7
95°	463.1	303.7	167.0	150.6	125.3	103.8	87.3	75.9	68.3	63.3	63.3
97.5°	335.3	239.1	148.0	135.4	112.6	91.1	77.2	65.8	59.5	56.9	56.9
100°	256.9	193.6	134.1	121.5	100.0	79.7	67.1	56.9	50.6	48.1	48.1
102.5°	206.2	163.2	121.5	110.1	88.6	70.9	56.9	46.8	41.8	40.5	39.2
105°	186.0	151.8	113.9	102.5	81.0	64.5	50.6	41.8	36.7	34.2	34.2
107.5°	180.9	151.8	112.6	100.0	77.2	60.7	45.6	38.0	32.9	30.4	30.4
110°	192.3	160.7	113.9	97.4	72.1	55.7	41.8	34.2	29.1	27.8	27.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	198.7	162.0	108.8	91.1	67.1	50.6	39.2	31.6	27.8	25.3	25.3
115°	182.2	145.5	100.0	81.0	59.5	45.6	36.7	30.4	25.3	22.8	22.8
117.5°	175.9	136.7	97.4	70.9	54.4	41.8	34.2	27.8	24.0	21.5	21.5
120°	175.9	132.9	86.0	62.0	49.3	38.0	31.6	25.3	21.5	20.2	20.2
122.5°	169.6	122.7	75.9	54.4	43.0	32.9	27.8	22.8	20.2	17.7	17.7
125°	154.4	113.9	62.0	49.3	39.2	30.4	25.3	21.5	17.7	16.4	16.4
127.5°	145.5	112.6	58.2	45.6	35.4	27.8	22.8	19.0	15.2	13.9	13.9
130°	144.2	112.6	54.4	40.5	31.6	24.0	20.2	16.4	13.9	12.7	12.7
132.5°	129.1	102.5	51.9	38.0	29.1	22.8	19.0	15.2	12.7	11.4	11.4
135°	116.4	94.9	50.6	35.4	26.6	20.2	16.4	13.9	10.1	10.1	10.1
137.5°	107.6	87.3	50.6	32.9	24.0	17.7	15.2	12.7	8.9	8.9	8.9
140°	101.2	81.0	49.3	31.6	21.5	16.4	13.9	10.1	7.6	7.6	7.6
142.5°	94.9	75.9	45.6	30.4	20.2	13.9	12.7	10.1	7.6	6.3	6.3
145°	87.3	69.6	40.5	27.8	19.0	12.7	11.4	8.9	6.3	5.1	5.1
147.5°	79.7	62.0	35.4	24.0	17.7	11.4	10.1	7.6	5.1	5.1	5.1
150°	68.3	53.1	31.6	21.5	15.2	10.1	8.9	6.3	5.1	3.8	3.8
152.5°	55.7	45.6	27.8	19.0	13.9	8.9	7.6	5.1	3.8	2.5	2.5
155°	49.3	40.5	25.3	16.4	11.4	7.6	6.3	3.8	3.8	2.5	2.5
157.5°	43.0	35.4	22.8	13.9	8.9	5.1	5.1	3.8	2.5	2.5	1.3
160°	35.4	30.4	19.0	11.4	7.6	3.8	3.8	2.5	2.5	1.3	1.3
162.5°	27.8	22.8	13.9	8.9	5.1	2.5	2.5	2.5	2.5	1.3	0.0
165°	19.0	16.4	10.1	6.3	3.8	1.3	1.3	2.5	1.3	1.3	0.0
167.5°	12.7	10.1	6.3	3.8	2.5	0.0	1.3	1.3	1.3	1.3	0.0
170°	5.1	5.1	3.8	2.5	0.0	0.0	0.0	1.3	1.3	1.3	0.0
172.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	0.0
175°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3	0.0
177.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	0.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)