

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: McGRAW-EDISON

Report Number: P588468

Luminaire Tested: **GAT-CA6-LED-60-722-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588468
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: McGRAW-EDISON
Catalog Number: GAT-CA6-LED-60-722-U-33-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7628 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U4 - G5

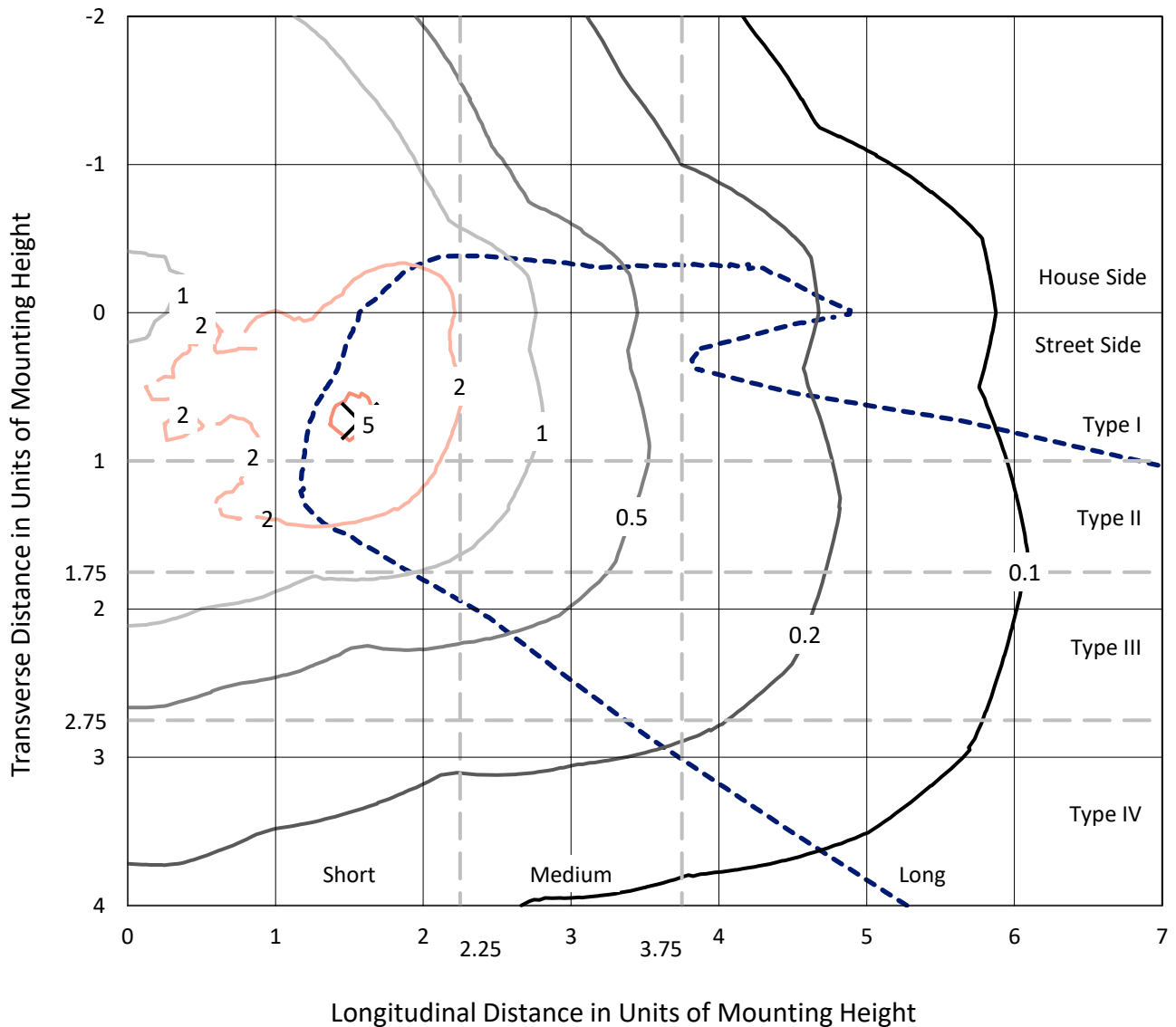
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

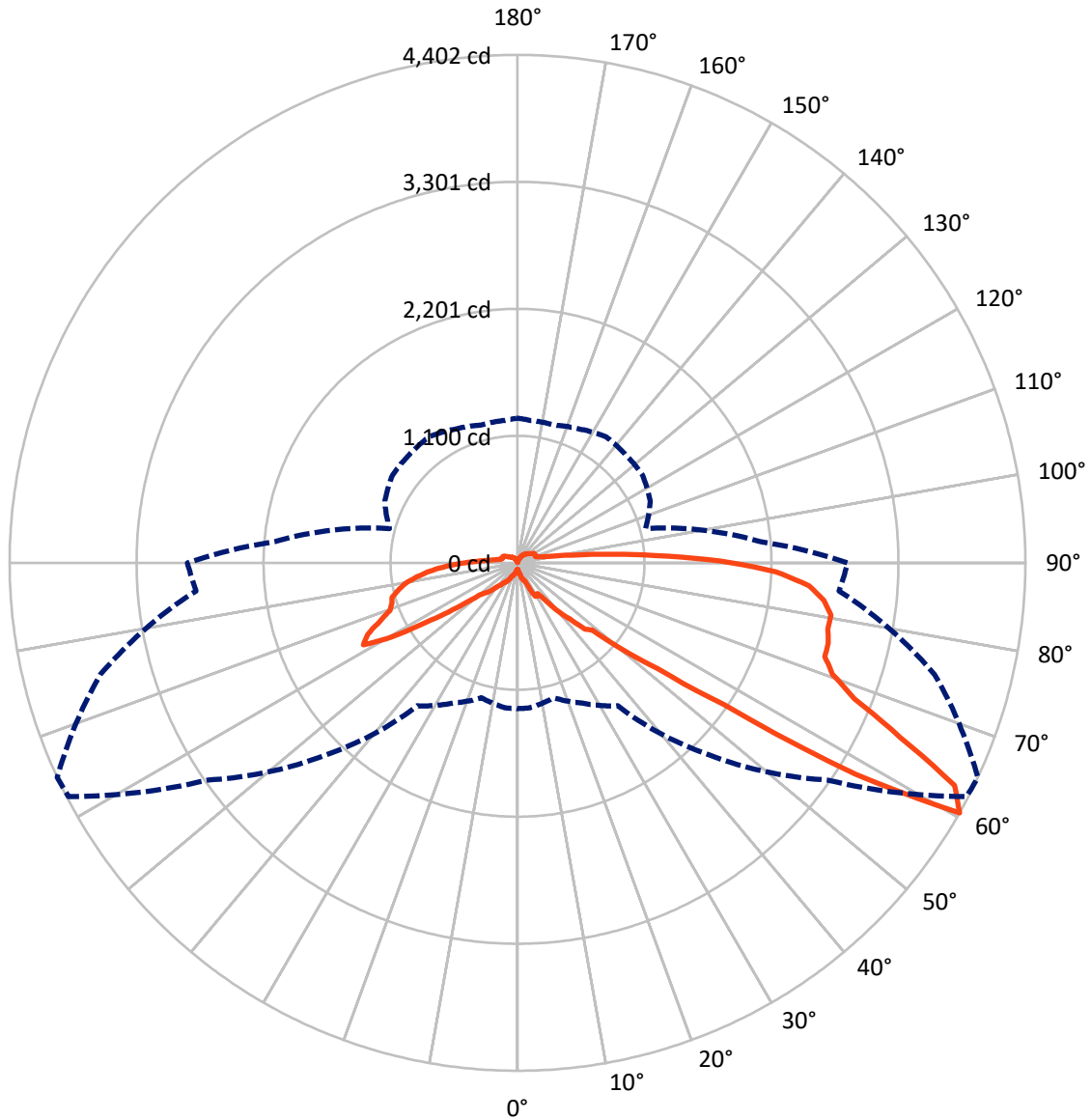
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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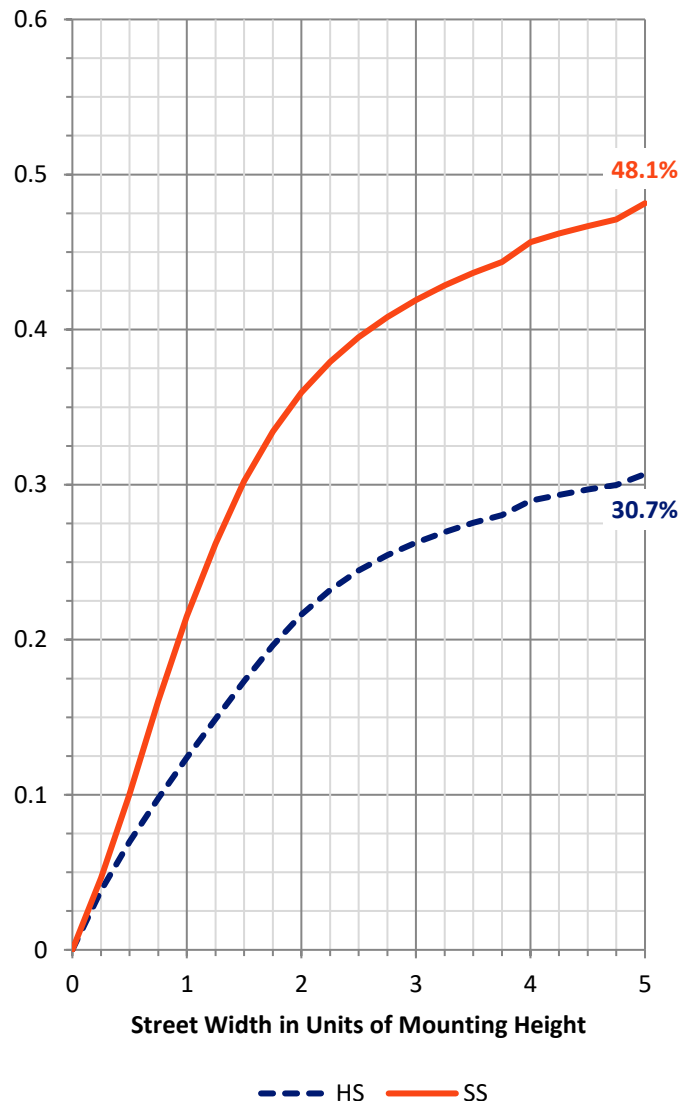
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2543.8	407.4	2951.1
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	4069.7	607.2	4676.9
	% Fixture	53.4	8.0	61.3
Total	Lumens	6613.4	1014.6	7628.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.1
10°-20°	32.6	0.4
20°-30°	93.2	1.2
30°-40°	200.6	2.6
40°-50°	379.6	5.0
50°-60°	1060.6	13.9
60°-70°	1890.8	24.8
70°-80°	1655.4	21.7
80°-90°	1293.4	17.0
90°-100°	489.0	6.4
100°-110°	168.2	2.2
110°-120°	137.5	1.8
120°-130°	92.4	1.2
130°-140°	63.4	0.8
140°-150°	39.9	0.5
150°-160°	18.5	0.2
160°-170°	5.2	0.1
170°-180°	0.5	0.0
0°-90°	6613.4	86.7
0°-180°	7628.0	100.0

Coefficient of Utilization



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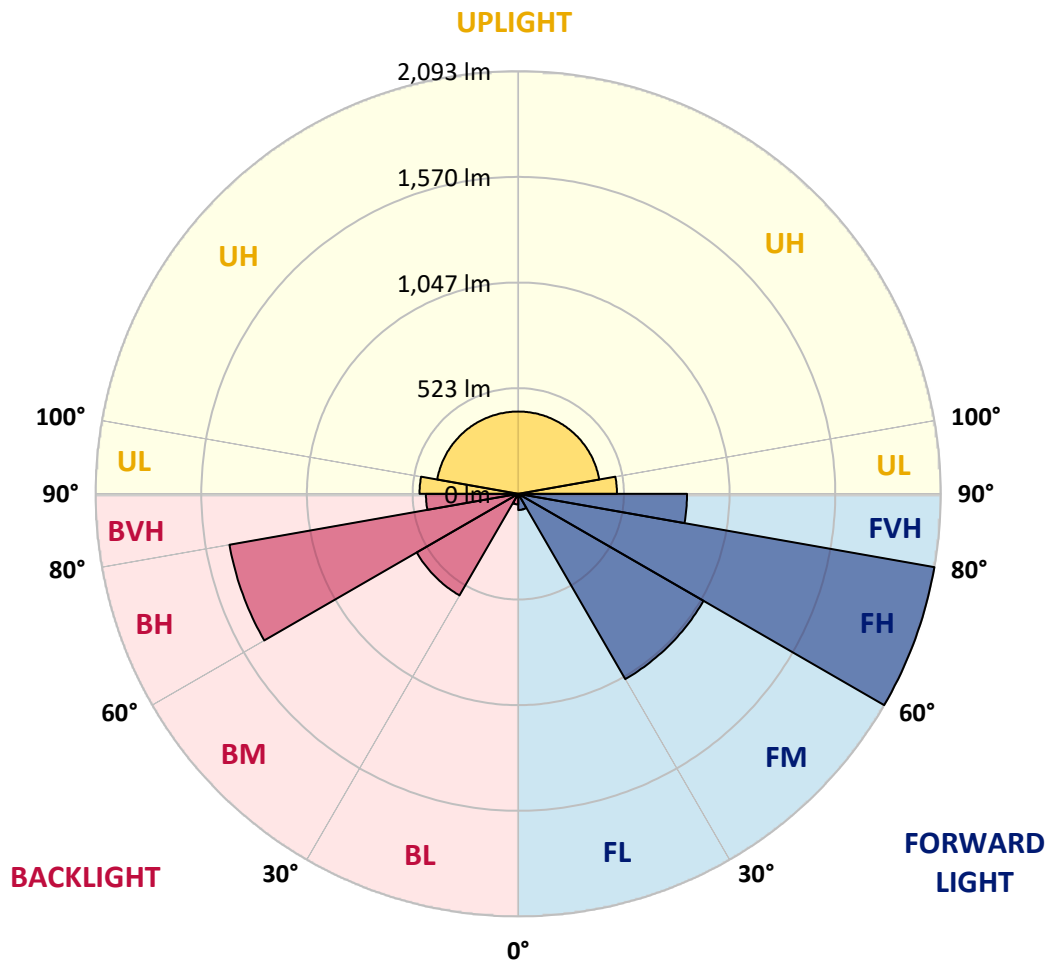
CATALOG NUMBER: GAT-CA6-LED-60-722-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.4	1.1			
FM (30°-60°)	1059.8	13.9			
FH (60°-80°)	2093.5	27.4			G2/5000
FVH (80°-90°)	836.0	11.0			G5
BL (0°-30°)	52.7	0.7	B0/110		
BM (30°-60°)	581.0	7.6	B1/1000		
BH (60°-80°)	1452.7	19.0	B3/2500		G3/2500
BVH (80°-90°)	457.4	6.0			G3/500
UL (90°-100°)	489.0	6.4		U3/500	
UH (100°-180°)	407.4	5.3		U3/500	

BUG Rating: B3-U4-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2.5°	67.2	65.3	63.3	63.3	62.3	61.3	61.3	59.3	60.3	59.3	59.3
5°	79.1	78.1	76.1	77.1	75.2	74.2	74.2	73.2	72.2	71.2	68.2
7.5°	92.0	92.0	93.0	94.0	91.0	88.0	87.0	85.1	85.1	84.1	82.1
10°	105.8	104.8	100.9	100.9	98.9	96.9	97.9	96.9	96.9	96.9	93.0
12.5°	109.8	108.8	105.8	105.8	105.8	104.8	108.8	107.8	108.8	107.8	101.9
15°	123.6	122.6	121.6	122.6	126.6	134.5	144.4	140.4	141.4	139.4	117.7
17.5°	129.6	132.5	134.5	135.5	139.4	139.4	141.4	140.4	144.4	147.4	134.5
20°	150.3	148.3	150.3	157.2	167.1	168.1	165.2	165.2	167.1	168.1	143.4
22.5°	159.2	158.2	166.1	160.2	160.2	165.2	183.0	177.0	177.0	175.0	154.3
25°	206.7	210.6	218.6	228.4	252.2	259.1	278.9	257.1	260.1	229.4	195.8
27.5°	248.2	251.2	297.7	339.2	358.0	348.1	364.9	324.4	328.3	332.3	285.8
30°	261.1	267.0	334.3	364.9	389.6	369.9	391.6	338.2	335.3	358.0	339.2
32.5°	251.2	257.1	328.3	341.2	366.9	440.1	412.4	326.4	317.5	328.3	351.1
35°	275.9	279.9	322.4	291.7	315.5	615.1	540.0	380.7	362.9	302.6	336.2
37.5°	331.3	331.3	381.7	403.5	421.3	725.9	709.1	473.7	459.9	354.0	388.7
40°	401.5	399.5	461.8	476.7	484.6	657.7	857.4	604.3	573.6	416.4	506.3
42.5°	444.0	440.1	490.5	506.3	506.3	556.8	970.2	735.8	664.6	485.6	619.1
45°	460.9	464.8	530.1	510.3	525.1	571.6	1090.8	917.8	817.9	569.6	718.0
47.5°	417.3	423.3	517.2	519.2	444.0	456.9	978.1	953.4	871.3	610.2	749.6
50°	512.3	516.2	549.9	527.1	490.5	578.5	1165.0	1225.3	1189.7	755.6	791.2
52.5°	703.1	721.0	752.6	772.4	761.5	972.1	1562.6	1551.7	1522.0	1134.3	1079.9
55°	910.8	925.7	970.2	1089.8	1180.8	1455.7	1943.3	2170.8	2168.8	1842.4	1683.2
57.5°	1099.7	1100.7	1106.6	1254.0	1394.4	1900.8	2545.6	3381.2	3456.4	2943.1	2410.1
60°	1263.9	1260.9	1210.5	1342.0	1513.1	2356.7	3281.4	4387.0	4401.9	3742.2	2795.8
62.5°	1308.4	1299.5	1226.3	1348.9	1495.3	2365.6	3469.3	4267.4	4250.5	3798.6	2846.2
65°	1269.8	1260.9	1168.0	1277.7	1347.0	2150.0	3204.2	3670.0	3642.3	3470.3	2709.7
67.5°	1212.5	1218.4	1126.4	1210.5	1258.0	2016.5	2925.3	3157.7	3149.8	3233.9	2596.0
70°	1129.4	1134.3	1050.3	1154.1	1223.3	1931.4	2658.3	2910.5	2896.7	3020.3	2428.9
72.5°	1132.4	1147.2	1047.3	1125.4	1197.6	1814.7	2537.7	2825.5	2784.9	2803.7	2228.1
75°	1140.3	1160.0	1054.2	1124.4	1191.7	1772.2	2523.8	2832.4	2781.0	2725.6	2152.0
77.5°	1143.2	1171.9	1058.2	1135.3	1193.7	1713.9	2492.2	2797.8	2749.3	2650.4	2062.0
80°	1119.5	1150.2	1041.4	1136.3	1180.8	1598.2	2412.1	2791.8	2755.2	2640.5	2025.4
82.5°	1072.0	1102.7	1008.7	1086.9	1156.1	1480.5	2299.3	2676.1	2674.1	2545.6	1948.2
85°	968.2	1001.8	930.6	1002.8	1087.9	1324.2	2071.9	2479.3	2533.7	2429.9	1844.4
87.5°	868.3	901.9	864.3	904.9	990.9	1151.1	1780.1	2140.1	2242.0	2155.9	1584.3
90°	754.6	789.2	758.5	742.7	811.9	918.7	1423.1	1664.4	1760.3	1707.9	1166.0
92.5°	604.3	633.9	605.2	568.7	610.2	674.5	1057.2	1165.0	1187.7	1137.3	764.5
95°	456.9	478.7	452.9	416.4	421.3	461.8	728.9	763.5	757.5	697.2	485.6
97.5°	317.5	330.3	313.5	287.8	296.7	322.4	482.6	478.7	478.7	426.2	317.5
100°	220.5	225.5	217.6	205.7	212.6	229.4	324.4	323.4	313.5	287.8	231.4
102.5°	175.0	176.0	168.1	160.2	156.3	172.1	234.4	233.4	235.4	223.5	181.0
105°	154.3	153.3	146.4	139.4	131.5	147.4	185.9	193.8	192.8	183.0	155.3
107.5°	141.4	140.4	133.5	127.6	120.7	134.5	161.2	172.1	171.1	170.1	146.4
110°	131.5	130.5	124.6	118.7	112.7	128.6	151.3	168.1	168.1	168.1	148.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	124.6	124.6	119.7	114.7	109.8	127.6	145.4	165.2	165.2	170.1	155.3
115°	120.7	119.7	115.7	112.7	108.8	128.6	143.4	163.2	164.2	171.1	154.3
117.5°	117.7	116.7	113.7	109.8	107.8	126.6	144.4	167.1	166.1	177.0	151.3
120°	112.7	110.8	106.8	102.9	100.9	116.7	140.4	162.2	160.2	165.2	139.4
122.5°	108.8	102.9	95.9	93.0	93.0	105.8	131.5	146.4	144.4	140.4	125.6
125°	99.9	94.0	88.0	87.0	88.0	98.9	125.6	134.5	135.5	132.5	118.7
127.5°	90.0	86.0	83.1	83.1	85.1	96.9	123.6	129.6	129.6	123.6	112.7
130°	85.1	84.1	82.1	82.1	86.0	97.9	120.7	122.6	122.6	114.7	109.8
132.5°	83.1	81.1	79.1	79.1	83.1	94.9	112.7	116.7	115.7	107.8	103.8
135°	79.1	78.1	76.1	76.1	81.1	93.0	105.8	109.8	108.8	98.9	95.9
137.5°	77.1	75.2	75.2	75.2	80.1	92.0	99.9	102.9	101.9	92.0	89.0
140°	74.2	73.2	71.2	71.2	78.1	89.0	94.0	94.9	94.0	86.0	83.1
142.5°	69.2	68.2	67.2	69.2	76.1	84.1	88.0	88.0	87.0	82.1	78.1
145°	66.3	65.3	64.3	69.2	75.2	79.1	83.1	80.1	80.1	77.1	73.2
147.5°	63.3	62.3	62.3	66.3	71.2	71.2	74.2	73.2	74.2	73.2	69.2
150°	57.4	56.4	56.4	59.3	60.3	60.3	63.3	63.3	63.3	63.3	60.3
152.5°	50.4	49.4	50.4	51.4	51.4	51.4	53.4	54.4	54.4	53.4	52.4
155°	43.5	43.5	43.5	44.5	44.5	43.5	46.5	46.5	46.5	46.5	45.5
157.5°	38.6	38.6	38.6	38.6	38.6	37.6	39.6	39.6	40.5	39.6	39.6
160°	33.6	32.6	32.6	32.6	32.6	31.6	32.6	32.6	32.6	33.6	33.6
162.5°	26.7	25.7	25.7	25.7	25.7	23.7	25.7	24.7	25.7	25.7	26.7
165°	21.8	20.8	20.8	20.8	19.8	18.8	19.8	18.8	18.8	18.8	19.8
167.5°	16.8	16.8	15.8	16.8	15.8	13.8	13.8	12.9	12.9	12.9	12.9
170°	12.9	11.9	10.9	11.9	10.9	8.9	8.9	7.9	7.9	6.9	6.9
172.5°	8.9	7.9	6.9	7.9	6.9	4.9	4.9	3.0	3.0	3.0	3.0
175°	7.9	6.9	5.9	6.9	5.9	4.0	3.0	2.0	2.0	2.0	2.0
177.5°	7.9	6.9	5.9	6.9	5.9	4.0	3.0	2.0	2.0	2.0	2.0
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2.5°	59.3	58.3	57.4	59.3	58.3	59.3	60.3	61.3	61.3	60.3	60.3
5°	68.2	67.2	65.3	64.3	62.3	62.3	62.3	64.3	64.3	63.3	64.3
7.5°	81.1	79.1	76.1	74.2	71.2	71.2	70.2	72.2	73.2	71.2	72.2
10°	91.0	90.0	86.0	83.1	80.1	79.1	79.1	80.1	80.1	79.1	79.1
12.5°	99.9	97.9	94.0	91.0	87.0	86.0	86.0	87.0	87.0	86.0	86.0
15°	112.7	106.8	102.9	99.9	95.9	94.9	94.0	94.9	95.9	94.0	94.0
17.5°	130.5	123.6	114.7	106.8	102.9	104.8	105.8	106.8	105.8	102.9	102.9
20°	140.4	136.5	124.6	118.7	113.7	113.7	113.7	113.7	113.7	112.7	113.7
22.5°	147.4	141.4	126.6	122.6	119.7	121.6	123.6	124.6	124.6	123.6	123.6
25°	179.0	157.2	142.4	139.4	135.5	136.5	134.5	134.5	135.5	134.5	136.5
27.5°	246.3	210.6	177.0	165.2	162.2	162.2	164.2	164.2	164.2	164.2	163.2
30°	295.7	254.2	198.8	183.0	181.0	189.9	194.8	198.8	196.8	193.8	193.8
32.5°	303.6	258.1	202.7	196.8	201.7	208.7	213.6	216.6	219.5	218.6	217.6
35°	286.8	238.3	199.8	207.7	211.6	215.6	216.6	214.6	223.5	227.5	228.4
37.5°	320.4	267.0	232.4	238.3	233.4	229.4	231.4	232.4	244.3	250.2	256.1
40°	409.4	322.4	264.1	261.1	258.1	267.0	278.9	284.8	283.8	279.9	280.9
42.5°	495.5	376.8	297.7	296.7	295.7	311.5	330.3	329.3	320.4	313.5	313.5
45°	583.5	429.2	351.1	352.1	350.1	356.0	361.0	357.0	358.0	360.0	362.0
47.5°	637.9	476.7	384.7	381.7	368.9	380.7	394.6	385.7	382.7	377.8	379.8
50°	650.7	488.5	404.5	426.2	414.4	405.5	390.6	384.7	395.6	403.5	409.4
52.5°	845.6	603.3	505.4	540.0	524.1	492.5	489.5	479.6	491.5	492.5	499.4
55°	1417.2	967.2	696.2	729.9	730.8	720.0	769.4	741.7	717.0	706.1	702.2
57.5°	2234.1	1495.3	900.9	943.5	984.0	1022.6	1089.8	1033.5	962.3	953.4	963.2
60°	2861.1	2111.4	1149.2	1268.8	1323.2	1325.2	1334.1	1278.7	1235.2	1239.2	1253.0
62.5°	2995.6	2625.7	1463.7	1513.1	1518.1	1481.5	1497.3	1532.9	1471.6	1423.1	1436.0
65°	2905.6	2829.4	1566.5	1437.9	1430.0	1436.0	1543.8	1642.7	1519.0	1396.4	1396.4
67.5°	2731.5	2674.1	1461.7	1293.6	1315.3	1382.6	1519.0	1568.5	1437.0	1306.4	1306.4
70°	2545.6	2430.9	1344.0	1178.8	1232.2	1310.4	1399.4	1403.3	1326.2	1233.2	1227.3
72.5°	2344.8	2241.0	1293.6	1145.2	1169.9	1183.8	1232.2	1262.9	1254.0	1193.7	1192.7
75°	2285.5	2201.4	1292.6	1129.4	1114.6	1109.6	1143.2	1209.5	1240.2	1204.6	1206.5
77.5°	2195.5	2145.1	1232.2	1063.1	1047.3	1047.3	1065.1	1118.5	1165.0	1150.2	1155.1
80°	2133.2	2057.0	1140.3	990.9	969.2	972.1	974.1	1010.7	1054.2	1056.2	1056.2
82.5°	2013.5	1870.1	1000.8	883.1	868.3	872.3	865.3	886.1	898.0	912.8	909.8
85°	1816.7	1614.0	845.6	765.5	741.7	733.8	727.9	728.9	735.8	732.8	721.0
87.5°	1522.0	1279.7	674.5	628.0	600.3	580.5	572.6	562.7	561.7	550.8	554.8
90°	1123.5	878.2	500.4	483.6	463.8	443.1	432.2	422.3	414.4	403.5	399.5
92.5°	732.8	565.7	365.9	357.0	344.2	332.3	327.3	322.4	320.4	311.5	314.5
95°	457.9	382.7	274.9	265.0	258.1	255.2	256.1	257.1	255.2	245.3	248.2
97.5°	305.6	276.9	214.6	207.7	200.8	199.8	200.8	202.7	203.7	196.8	198.8
100°	225.5	212.6	176.0	171.1	165.2	163.2	164.2	166.1	167.1	161.2	162.2
102.5°	179.0	173.1	152.3	150.3	143.4	141.4	143.4	144.4	145.4	141.4	141.4
105°	157.2	157.2	140.4	139.4	134.5	132.5	133.5	134.5	135.5	131.5	131.5
107.5°	151.3	152.3	135.5	136.5	133.5	132.5	134.5	136.5	135.5	132.5	131.5
110°	156.3	158.2	135.5	138.5	139.4	141.4	145.4	146.4	146.4	144.4	145.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	161.2	164.2	133.5	140.4	147.4	152.3	159.2	163.2	161.2	160.2	161.2
115°	157.2	159.2	124.6	135.5	148.3	155.3	157.2	157.2	152.3	152.3	153.3
117.5°	152.3	156.3	115.7	124.6	133.5	139.4	138.5	135.5	129.6	127.6	133.5
120°	141.4	153.3	110.8	112.7	113.7	115.7	112.7	109.8	104.8	103.8	107.8
122.5°	130.5	141.4	101.9	99.9	98.9	98.9	97.9	96.9	94.0	94.9	98.9
125°	121.6	127.6	93.0	90.0	89.0	90.0	90.0	90.0	88.0	86.0	86.0
127.5°	114.7	116.7	88.0	84.1	83.1	83.1	83.1	84.1	83.1	80.1	80.1
130°	110.8	109.8	85.1	78.1	77.1	78.1	78.1	79.1	77.1	75.2	75.2
132.5°	102.9	100.9	81.1	74.2	73.2	74.2	74.2	74.2	72.2	70.2	70.2
135°	94.0	92.0	76.1	69.2	68.2	69.2	69.2	70.2	68.2	66.3	66.3
137.5°	87.0	85.1	71.2	65.3	64.3	64.3	65.3	65.3	64.3	62.3	62.3
140°	81.1	79.1	66.3	61.3	59.3	60.3	60.3	60.3	59.3	57.4	57.4
142.5°	76.1	75.2	61.3	56.4	54.4	55.4	55.4	56.4	54.4	52.4	52.4
145°	72.2	70.2	57.4	51.4	50.4	50.4	50.4	51.4	49.4	47.5	47.5
147.5°	68.2	66.3	52.4	46.5	45.5	45.5	45.5	45.5	44.5	42.5	41.5
150°	60.3	59.3	48.5	42.5	40.5	40.5	40.5	39.6	37.6	35.6	35.6
152.5°	51.4	50.4	42.5	37.6	35.6	35.6	34.6	34.6	32.6	31.6	30.7
155°	44.5	44.5	38.6	33.6	31.6	30.7	29.7	29.7	28.7	27.7	26.7
157.5°	39.6	38.6	34.6	30.7	26.7	26.7	25.7	25.7	24.7	23.7	22.7
160°	33.6	33.6	29.7	25.7	22.7	21.8	21.8	20.8	19.8	18.8	18.8
162.5°	26.7	26.7	23.7	20.8	17.8	17.8	16.8	16.8	15.8	14.8	13.8
165°	18.8	18.8	17.8	15.8	13.8	12.9	12.9	12.9	11.9	10.9	10.9
167.5°	12.9	12.9	11.9	10.9	9.9	8.9	9.9	9.9	8.9	7.9	7.9
170°	6.9	6.9	5.9	5.9	4.9	4.9	5.9	6.9	5.9	4.9	4.0
172.5°	3.0	3.0	3.0	3.0	2.0	3.0	4.0	4.9	4.0	3.0	3.0
175°	2.0	2.0	3.0	3.0	2.0	3.0	4.0	4.9	4.0	3.0	3.0
177.5°	2.0	2.0	3.0	3.0	2.0	3.0	4.0	4.9	4.0	3.0	3.0
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)