

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: P588488

Luminaire Tested: **GAT-CA6-LED-60-760-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588488
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-60-760-U-33-5-X-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: 9019 lumens
Efficiency: N/A
Efficacy: 140.3 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

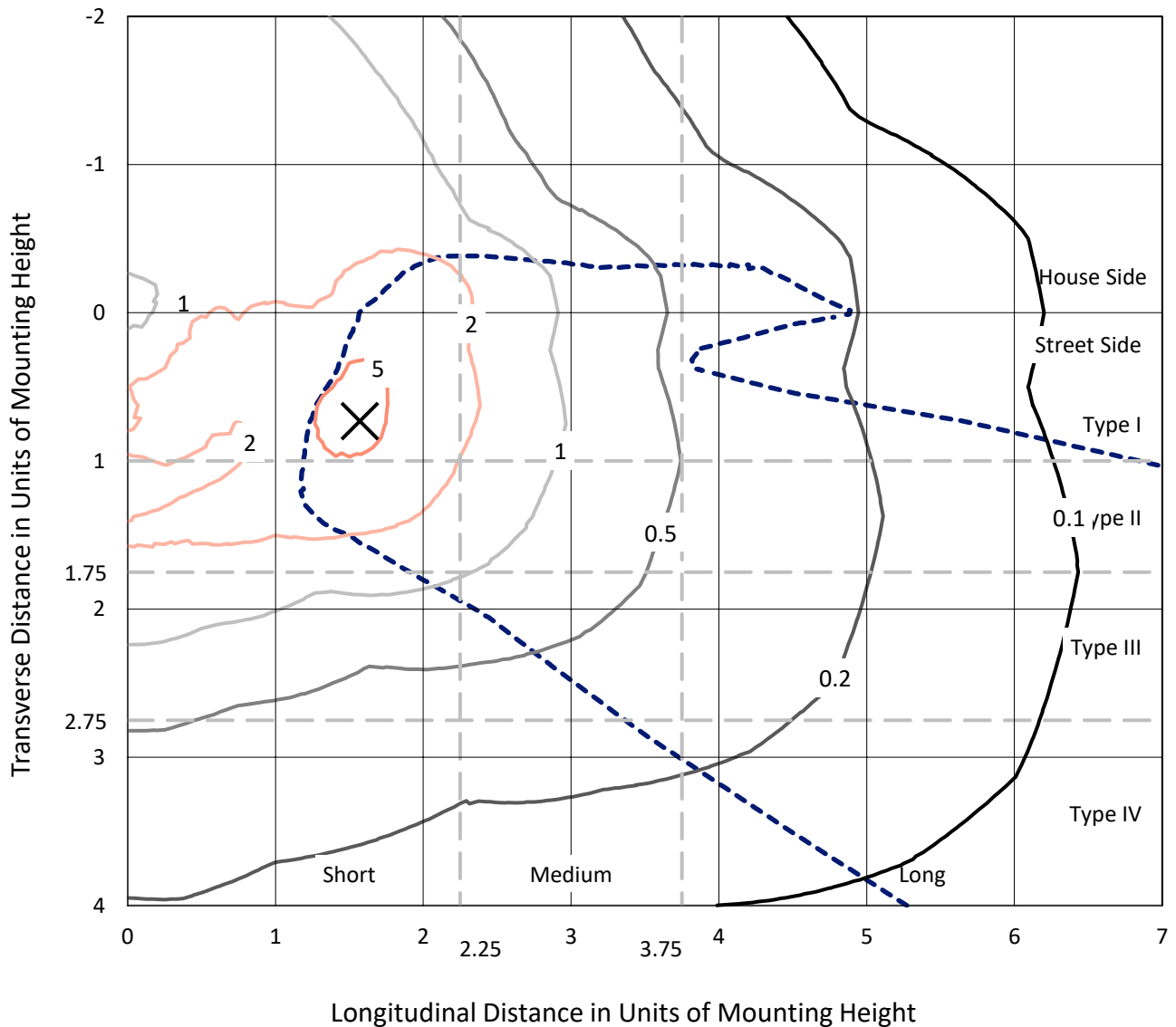
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

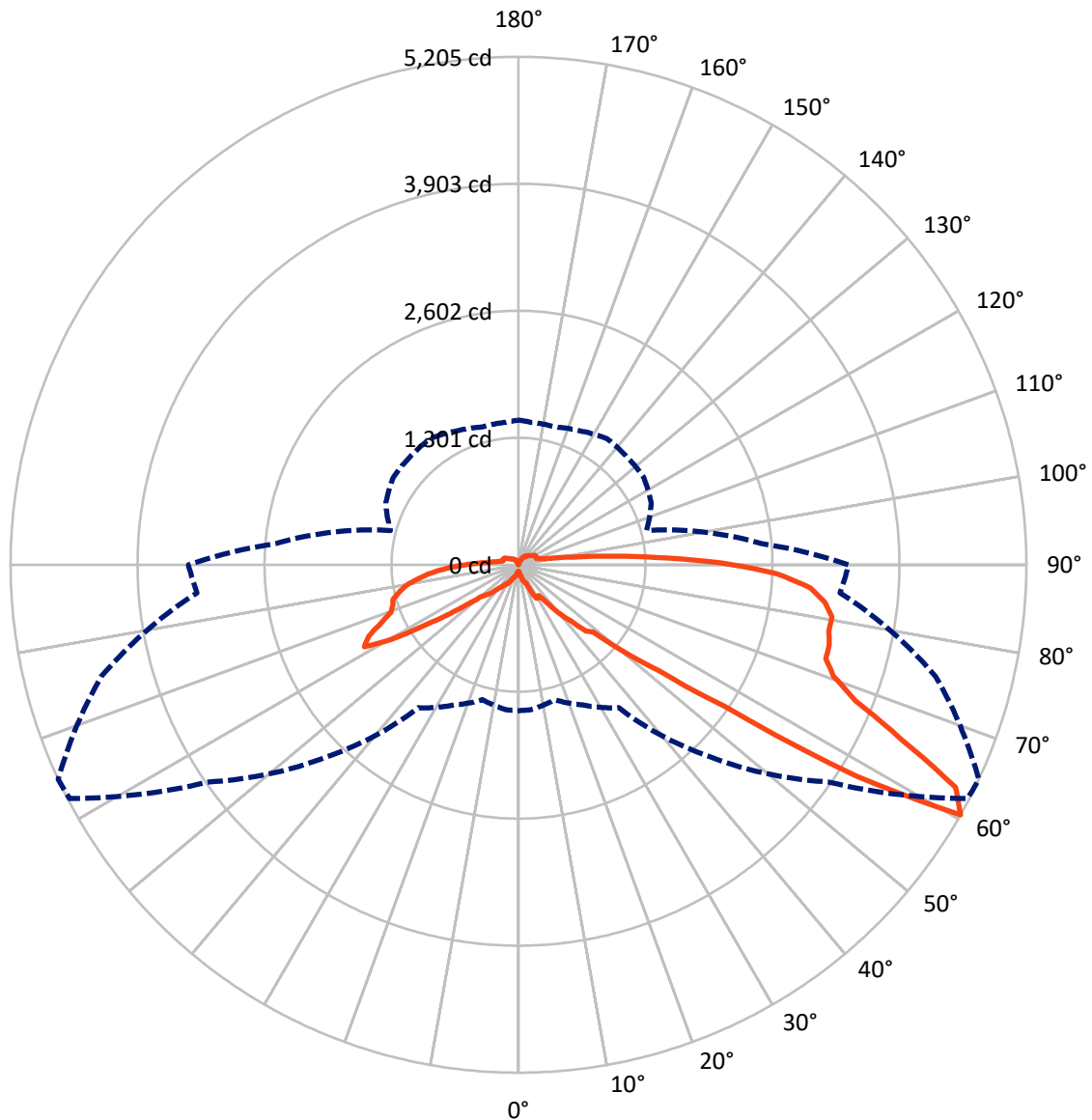
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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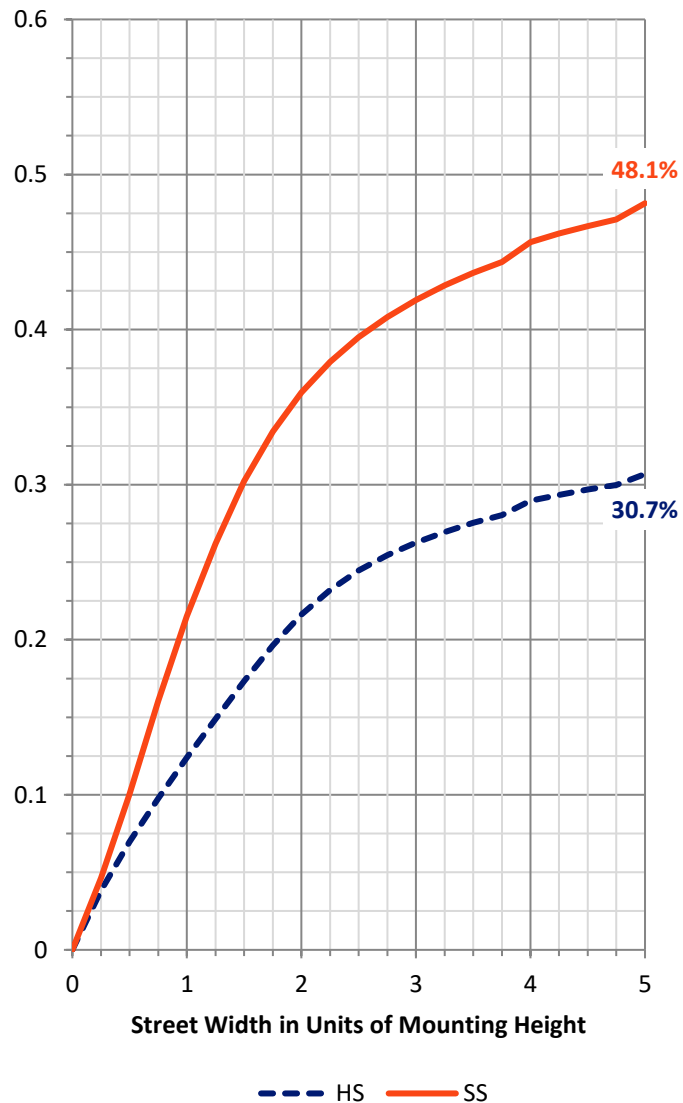
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3007.6	481.7	3489.3
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	4811.8	717.9	5529.7
	% Fixture	53.4	8.0	61.3
Total	Lumens	7819.4	1199.6	9019.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	38.5	0.4
20°-30°	110.2	1.2
30°-40°	237.2	2.6
40°-50°	448.9	5.0
50°-60°	1253.9	13.9
60°-70°	2235.5	24.8
70°-80°	1957.2	21.7
80°-90°	1529.3	17.0
90°-100°	578.2	6.4
100°-110°	198.9	2.2
110°-120°	162.6	1.8
120°-130°	109.3	1.2
130°-140°	75.0	0.8
140°-150°	47.1	0.5
150°-160°	21.9	0.2
160°-170°	6.2	0.1
170°-180°	0.5	0.0
0°-90°	7819.4	86.7
0°-180°	9019.0	100.0

Coefficient of Utilization



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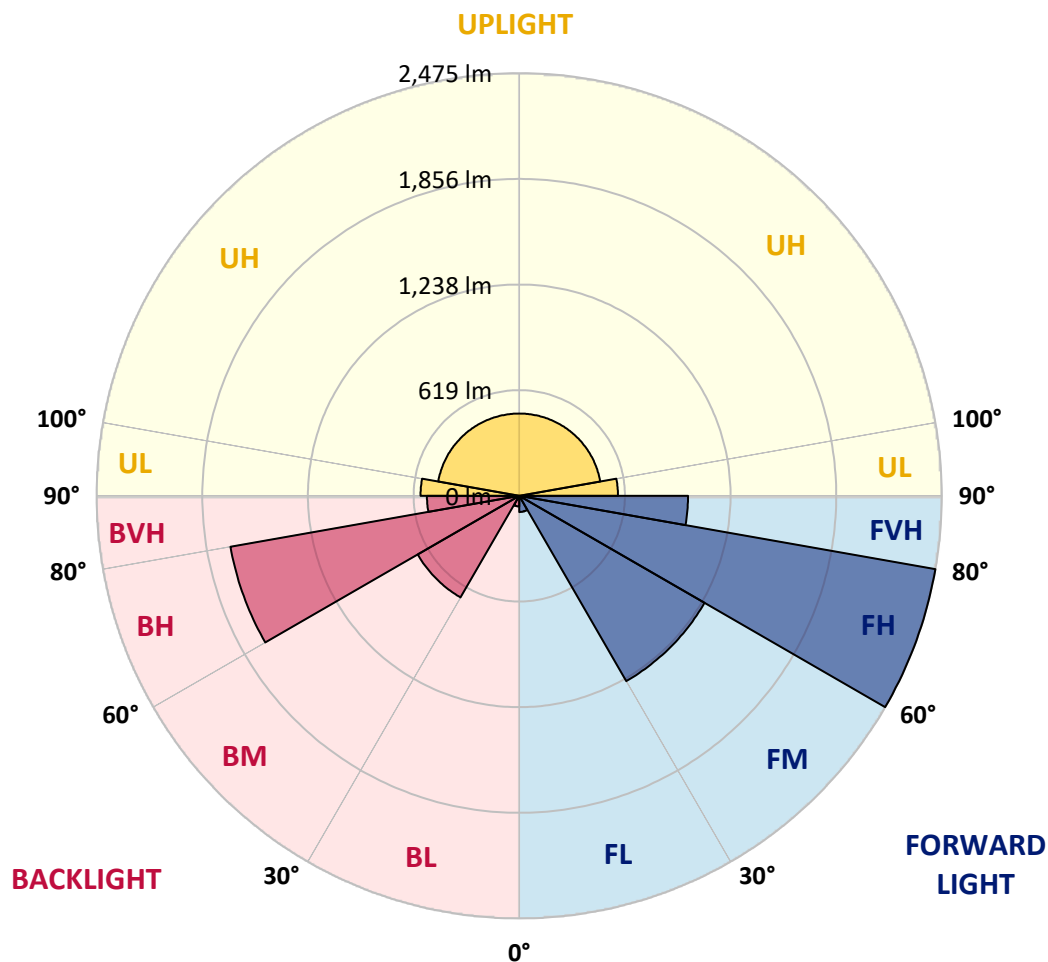
CATALOG NUMBER: GAT-CA6-LED-60-760-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.0	1.1			
FM (30°-60°)	1253.1	13.9			
FH (60°-80°)	2475.2	27.4			G2/5000
FVH (80°-90°)	988.5	11.0			G5
BL (0°-30°)	62.3	0.7	B0/110		
BM (30°-60°)	686.9	7.6	B1/1000		
BH (60°-80°)	1717.6	19.0	B3/2500		G3/2500
BVH (80°-90°)	540.8	6.0			G4/750
UL (90°-100°)	578.2	6.4		U4/1000	
UH (100°-180°)	481.7	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°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	79.5	77.2	74.8	74.8	73.7	72.5	72.5	70.2	71.3	70.2	70.2
5°	93.5	92.4	90.0	91.2	88.9	87.7	87.7	86.5	85.4	84.2	80.7
7.5°	108.7	108.7	109.9	111.1	107.6	104.1	102.9	100.6	100.6	99.4	97.1
10°	125.1	123.9	119.3	119.3	116.9	114.6	115.8	114.6	114.6	114.6	109.9
12.5°	129.8	128.6	125.1	125.1	125.1	123.9	128.6	127.5	128.6	127.5	120.4
15°	146.2	145.0	143.8	145.0	149.7	159.0	170.7	166.0	167.2	164.9	139.1
17.5°	153.2	156.7	159.0	160.2	164.9	164.9	167.2	166.0	170.7	174.2	159.0
20°	177.7	175.4	177.7	185.9	197.6	198.8	195.3	195.3	197.6	198.8	169.5
22.5°	188.3	187.1	196.4	189.4	189.4	195.3	216.3	209.3	209.3	207.0	182.4
25°	244.4	249.1	258.4	270.1	298.2	306.4	329.7	304.0	307.5	271.3	231.5
27.5°	293.5	297.0	352.0	401.1	423.3	411.6	431.5	383.5	388.2	392.9	337.9
30°	308.7	315.7	395.2	431.5	460.7	437.3	463.0	399.9	396.4	423.3	401.1
32.5°	297.0	304.0	388.2	403.4	433.8	520.3	487.6	385.9	375.3	388.2	415.1
35°	326.2	330.9	381.2	344.9	373.0	727.3	638.4	450.2	429.1	357.8	397.6
37.5°	391.7	391.7	451.3	477.1	498.1	858.3	838.4	560.1	543.7	418.6	459.5
40°	474.7	472.4	546.1	563.6	573.0	777.6	1013.8	714.4	678.2	492.3	598.7
42.5°	525.0	520.3	580.0	598.7	598.7	658.3	1147.1	870.0	785.8	574.1	732.0
45°	544.9	549.6	626.7	603.4	620.9	675.9	1289.7	1085.1	967.0	673.5	848.9
47.5°	493.4	500.5	611.5	613.9	525.0	540.2	1156.4	1127.2	1030.2	721.5	886.3
50°	605.7	610.4	650.1	623.2	580.0	684.0	1377.4	1448.8	1406.7	893.3	935.4
52.5°	831.4	852.4	889.8	913.2	900.4	1149.4	1847.5	1834.6	1799.6	1341.2	1276.9
55°	1076.9	1094.5	1147.1	1288.6	1396.1	1721.2	2297.7	2566.6	2564.3	2178.4	1990.1
57.5°	1300.3	1301.4	1308.4	1482.7	1648.7	2247.4	3009.8	3997.8	4086.7	3479.8	2849.6
60°	1494.4	1490.9	1431.2	1586.7	1789.0	2786.4	3879.7	5187.0	5204.6	4424.6	3305.6
62.5°	1547.0	1536.5	1449.9	1594.9	1768.0	2797.0	4101.9	5045.5	5025.6	4491.3	3365.2
65°	1501.4	1490.9	1380.9	1510.7	1592.6	2542.1	3788.5	4339.3	4306.5	4103.1	3203.9
67.5°	1433.6	1440.6	1331.8	1431.2	1487.3	2384.2	3458.8	3733.6	3724.2	3823.6	3069.4
70°	1335.3	1341.2	1241.8	1364.6	1446.4	2283.6	3143.1	3441.2	3424.9	3571.0	2871.8
72.5°	1338.8	1356.4	1238.3	1330.7	1416.0	2145.7	3000.4	3340.7	3292.7	3315.0	2634.4
75°	1348.2	1371.6	1246.5	1329.5	1409.0	2095.4	2984.1	3348.9	3288.1	3222.6	2544.4
77.5°	1351.7	1385.6	1251.2	1342.4	1411.3	2026.4	2946.6	3307.9	3250.7	3133.7	2438.0
80°	1323.6	1359.9	1231.3	1343.5	1396.1	1889.6	2851.9	3300.9	3257.7	3122.0	2394.7
82.5°	1267.5	1303.8	1192.7	1285.1	1366.9	1750.4	2718.6	3164.1	3161.8	3009.8	2303.5
85°	1144.7	1184.5	1100.3	1185.7	1286.2	1565.7	2449.7	2931.4	2995.7	2873.0	2180.7
87.5°	1026.6	1066.4	1022.0	1069.9	1171.6	1361.1	2104.7	2530.4	2650.8	2549.1	1873.2
90°	892.2	933.1	896.9	878.1	960.0	1086.3	1682.6	1967.9	2081.4	2019.4	1378.6
92.5°	714.4	749.5	715.6	672.3	721.5	797.5	1250.0	1377.4	1404.3	1344.7	903.9
95°	540.2	565.9	535.5	492.3	498.1	546.1	861.8	902.7	895.7	824.4	574.1
97.5°	375.3	390.5	370.7	340.3	350.8	381.2	570.6	565.9	565.9	504.0	375.3
100°	260.8	266.6	257.2	243.2	251.4	271.3	383.5	382.4	370.7	340.3	273.6
102.5°	207.0	208.1	198.8	189.4	184.7	203.5	277.1	276.0	278.3	264.3	214.0
105°	182.4	181.2	173.1	164.9	155.5	174.2	219.8	229.2	228.0	216.3	183.6
107.5°	167.2	166.0	157.9	150.8	142.7	159.0	190.6	203.5	202.3	201.1	173.1
110°	155.5	154.3	147.3	140.3	133.3	152.0	178.9	198.8	198.8	198.8	175.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	147.3	147.3	141.5	135.6	129.8	150.8	171.9	195.3	195.3	201.1	183.6
115°	142.7	141.5	136.8	133.3	128.6	152.0	169.5	192.9	194.1	202.3	182.4
117.5°	139.1	138.0	134.5	129.8	127.5	149.7	170.7	197.6	196.4	209.3	178.9
120°	133.3	131.0	126.3	121.6	119.3	138.0	166.0	191.8	189.4	195.3	164.9
122.5°	128.6	121.6	113.4	109.9	109.9	125.1	155.5	173.1	170.7	166.0	148.5
125°	118.1	111.1	104.1	102.9	104.1	116.9	148.5	159.0	160.2	156.7	140.3
127.5°	106.4	101.7	98.2	98.2	100.6	114.6	146.2	153.2	153.2	146.2	133.3
130°	100.6	99.4	97.1	97.1	101.7	115.8	142.7	145.0	145.0	135.6	129.8
132.5°	98.2	95.9	93.5	93.5	98.2	112.3	133.3	138.0	136.8	127.5	122.8
135°	93.5	92.4	90.0	90.0	95.9	109.9	125.1	129.8	128.6	116.9	113.4
137.5°	91.2	88.9	88.9	88.9	94.7	108.7	118.1	121.6	120.4	108.7	105.2
140°	87.7	86.5	84.2	84.2	92.4	105.2	111.1	112.3	111.1	101.7	98.2
142.5°	81.9	80.7	79.5	81.9	90.0	99.4	104.1	104.1	102.9	97.1	92.4
145°	78.3	77.2	76.0	81.9	88.9	93.5	98.2	94.7	94.7	91.2	86.5
147.5°	74.8	73.7	73.7	78.3	84.2	84.2	87.7	86.5	87.7	86.5	81.9
150°	67.8	66.7	66.7	70.2	71.3	71.3	74.8	74.8	74.8	74.8	71.3
152.5°	59.6	58.5	59.6	60.8	60.8	60.8	63.1	64.3	64.3	63.1	62.0
155°	51.4	51.4	51.4	52.6	52.6	51.4	55.0	55.0	55.0	55.0	53.8
157.5°	45.6	45.6	45.6	45.6	45.6	44.4	46.8	46.8	47.9	46.8	46.8
160°	39.8	38.6	38.6	38.6	38.6	37.4	38.6	38.6	38.6	39.8	39.8
162.5°	31.6	30.4	30.4	30.4	30.4	28.1	30.4	29.2	30.4	30.4	31.6
165°	25.7	24.6	24.6	24.6	23.4	22.2	23.4	22.2	22.2	22.2	23.4
167.5°	19.9	19.9	18.7	19.9	18.7	16.4	16.4	15.2	15.2	15.2	15.2
170°	15.2	14.0	12.9	14.0	12.9	10.5	10.5	9.4	9.4	8.2	8.2
172.5°	10.5	9.4	8.2	9.4	8.2	5.8	5.8	3.5	3.5	3.5	3.5
175°	9.4	8.2	7.0	8.2	7.0	4.7	3.5	2.3	2.3	2.3	2.3
177.5°	9.4	8.2	7.0	8.2	7.0	4.7	3.5	2.3	2.3	2.3	2.3
180°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	70.2	69.0	67.8	70.2	69.0	70.2	71.3	72.5	72.5	71.3	71.3
5°	80.7	79.5	77.2	76.0	73.7	73.7	73.7	76.0	76.0	74.8	76.0
7.5°	95.9	93.5	90.0	87.7	84.2	84.2	83.0	85.4	86.5	84.2	85.4
10°	107.6	106.4	101.7	98.2	94.7	93.5	93.5	94.7	94.7	93.5	93.5
12.5°	118.1	115.8	111.1	107.6	102.9	101.7	101.7	102.9	102.9	101.7	101.7
15°	133.3	126.3	121.6	118.1	113.4	112.3	111.1	112.3	113.4	111.1	111.1
17.5°	154.3	146.2	135.6	126.3	121.6	123.9	125.1	126.3	125.1	121.6	121.6
20°	166.0	161.4	147.3	140.3	134.5	134.5	134.5	134.5	134.5	133.3	134.5
22.5°	174.2	167.2	149.7	145.0	141.5	143.8	146.2	147.3	147.3	146.2	146.2
25°	211.6	185.9	168.4	164.9	160.2	161.4	159.0	159.0	160.2	159.0	161.4
27.5°	291.2	249.1	209.3	195.3	191.8	191.8	194.1	194.1	194.1	194.1	192.9
30°	349.6	300.5	235.0	216.3	214.0	224.5	230.4	235.0	232.7	229.2	229.2
32.5°	359.0	305.2	239.7	232.7	238.5	246.7	252.6	256.1	259.6	258.4	257.2
35°	339.1	281.8	236.2	245.6	250.2	254.9	256.1	253.7	264.3	268.9	270.1
37.5°	378.9	315.7	274.8	281.8	276.0	271.3	273.6	274.8	288.8	295.8	302.8
40°	484.1	381.2	312.2	308.7	305.2	315.7	329.7	336.8	335.6	330.9	332.1
42.5°	585.8	445.5	352.0	350.8	349.6	368.3	390.5	389.4	378.9	370.7	370.7
45°	689.9	507.5	415.1	416.3	413.9	420.9	426.8	422.1	423.3	425.6	428.0
47.5°	754.2	563.6	454.9	451.3	436.1	450.2	466.6	456.0	452.5	446.7	449.0
50°	769.4	577.6	478.2	504.0	489.9	479.4	461.9	454.9	467.7	477.1	484.1
52.5°	999.8	713.3	597.5	638.4	619.7	582.3	578.8	567.1	581.1	582.3	590.5
55°	1675.6	1143.6	823.2	862.9	864.1	851.3	909.7	877.0	847.7	834.9	830.2
57.5°	2641.4	1768.0	1065.2	1115.5	1163.5	1209.1	1288.6	1221.9	1137.7	1127.2	1138.9
60°	3382.8	2496.5	1358.7	1500.2	1564.5	1566.9	1577.4	1511.9	1460.5	1465.1	1481.5
62.5°	3541.8	3104.5	1730.6	1789.0	1794.9	1751.6	1770.3	1812.4	1739.9	1682.6	1697.8
65°	3435.4	3345.4	1852.2	1700.2	1690.8	1697.8	1825.3	1942.2	1796.0	1651.1	1651.1
67.5°	3229.6	3161.8	1728.2	1529.4	1555.2	1634.7	1796.0	1854.5	1699.0	1544.6	1544.6
70°	3009.8	2874.1	1589.1	1393.8	1456.9	1549.3	1654.6	1659.2	1568.0	1458.1	1451.1
72.5°	2772.4	2649.6	1529.4	1354.0	1383.3	1399.7	1456.9	1493.2	1482.7	1411.3	1410.2
75°	2702.3	2602.9	1528.3	1335.3	1317.8	1312.0	1351.7	1430.1	1466.3	1424.2	1426.5
77.5°	2595.8	2536.2	1456.9	1257.0	1238.3	1238.3	1259.3	1322.5	1377.4	1359.9	1365.7
80°	2522.2	2432.1	1348.2	1171.6	1145.9	1149.4	1151.8	1195.0	1246.5	1248.8	1248.8
82.5°	2380.7	2211.1	1183.3	1044.2	1026.6	1031.3	1023.1	1047.7	1061.7	1079.3	1075.8
85°	2148.0	1908.3	999.8	905.0	877.0	867.6	860.6	861.8	870.0	866.5	852.4
87.5°	1799.6	1513.1	797.5	742.5	709.8	686.4	677.0	665.3	664.2	651.3	656.0
90°	1328.3	1038.3	591.7	571.8	548.4	523.8	511.0	499.3	489.9	477.1	472.4
92.5°	866.5	668.8	432.6	422.1	406.9	392.9	387.0	381.2	378.9	368.3	371.8
95°	541.4	452.5	325.1	313.4	305.2	301.7	302.8	304.0	301.7	290.0	293.5
97.5°	361.3	327.4	253.7	245.6	237.4	236.2	237.4	239.7	240.9	232.7	235.0
100°	266.6	251.4	208.1	202.3	195.3	192.9	194.1	196.4	197.6	190.6	191.8
102.5°	211.6	204.6	180.1	177.7	169.5	167.2	169.5	170.7	171.9	167.2	167.2
105°	185.9	185.9	166.0	164.9	159.0	156.7	157.9	159.0	160.2	155.5	155.5
107.5°	178.9	180.1	160.2	161.4	157.9	156.7	159.0	161.4	160.2	156.7	155.5
110°	184.7	187.1	160.2	163.7	164.9	167.2	171.9	173.1	173.1	170.7	171.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	190.6	194.1	157.9	166.0	174.2	180.1	188.3	192.9	190.6	189.4	190.6
115°	185.9	188.3	147.3	160.2	175.4	183.6	185.9	185.9	180.1	180.1	181.2
117.5°	180.1	184.7	136.8	147.3	157.9	164.9	163.7	160.2	153.2	150.8	157.9
120°	167.2	181.2	131.0	133.3	134.5	136.8	133.3	129.8	123.9	122.8	127.5
122.5°	154.3	167.2	120.4	118.1	116.9	116.9	115.8	114.6	111.1	112.3	116.9
125°	143.8	150.8	109.9	106.4	105.2	106.4	106.4	106.4	104.1	101.7	101.7
127.5°	135.6	138.0	104.1	99.4	98.2	98.2	98.2	99.4	98.2	94.7	94.7
130°	131.0	129.8	100.6	92.4	91.2	92.4	92.4	93.5	91.2	88.9	88.9
132.5°	121.6	119.3	95.9	87.7	86.5	87.7	87.7	87.7	85.4	83.0	83.0
135°	111.1	108.7	90.0	81.9	80.7	81.9	81.9	83.0	80.7	78.3	78.3
137.5°	102.9	100.6	84.2	77.2	76.0	76.0	77.2	77.2	76.0	73.7	73.7
140°	95.9	93.5	78.3	72.5	70.2	71.3	71.3	71.3	70.2	67.8	67.8
142.5°	90.0	88.9	72.5	66.7	64.3	65.5	65.5	66.7	64.3	62.0	62.0
145°	85.4	83.0	67.8	60.8	59.6	59.6	59.6	60.8	58.5	56.1	56.1
147.5°	80.7	78.3	62.0	55.0	53.8	53.8	53.8	53.8	52.6	50.3	49.1
150°	71.3	70.2	57.3	50.3	47.9	47.9	47.9	46.8	44.4	42.1	42.1
152.5°	60.8	59.6	50.3	44.4	42.1	42.1	40.9	40.9	38.6	37.4	36.2
155°	52.6	52.6	45.6	39.8	37.4	36.2	35.1	35.1	33.9	32.7	31.6
157.5°	46.8	45.6	40.9	36.2	31.6	31.6	30.4	30.4	29.2	28.1	26.9
160°	39.8	39.8	35.1	30.4	26.9	25.7	25.7	24.6	23.4	22.2	22.2
162.5°	31.6	31.6	28.1	24.6	21.0	21.0	19.9	19.9	18.7	17.5	16.4
165°	22.2	22.2	21.0	18.7	16.4	15.2	15.2	15.2	14.0	12.9	12.9
167.5°	15.2	15.2	14.0	12.9	11.7	10.5	11.7	11.7	10.5	9.4	9.4
170°	8.2	8.2	7.0	7.0	5.8	5.8	7.0	8.2	7.0	5.8	4.7
172.5°	3.5	3.5	3.5	3.5	2.3	3.5	4.7	5.8	4.7	3.5	3.5
175°	2.3	2.3	3.5	3.5	2.3	3.5	4.7	5.8	4.7	3.5	3.5
177.5°	2.3	2.3	3.5	3.5	2.3	3.5	4.7	5.8	4.7	3.5	3.5
180°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)