

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: P588368

Luminaire Tested: **GAT-CA6-LED-100-760-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588368
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-100-760-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: 14031 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

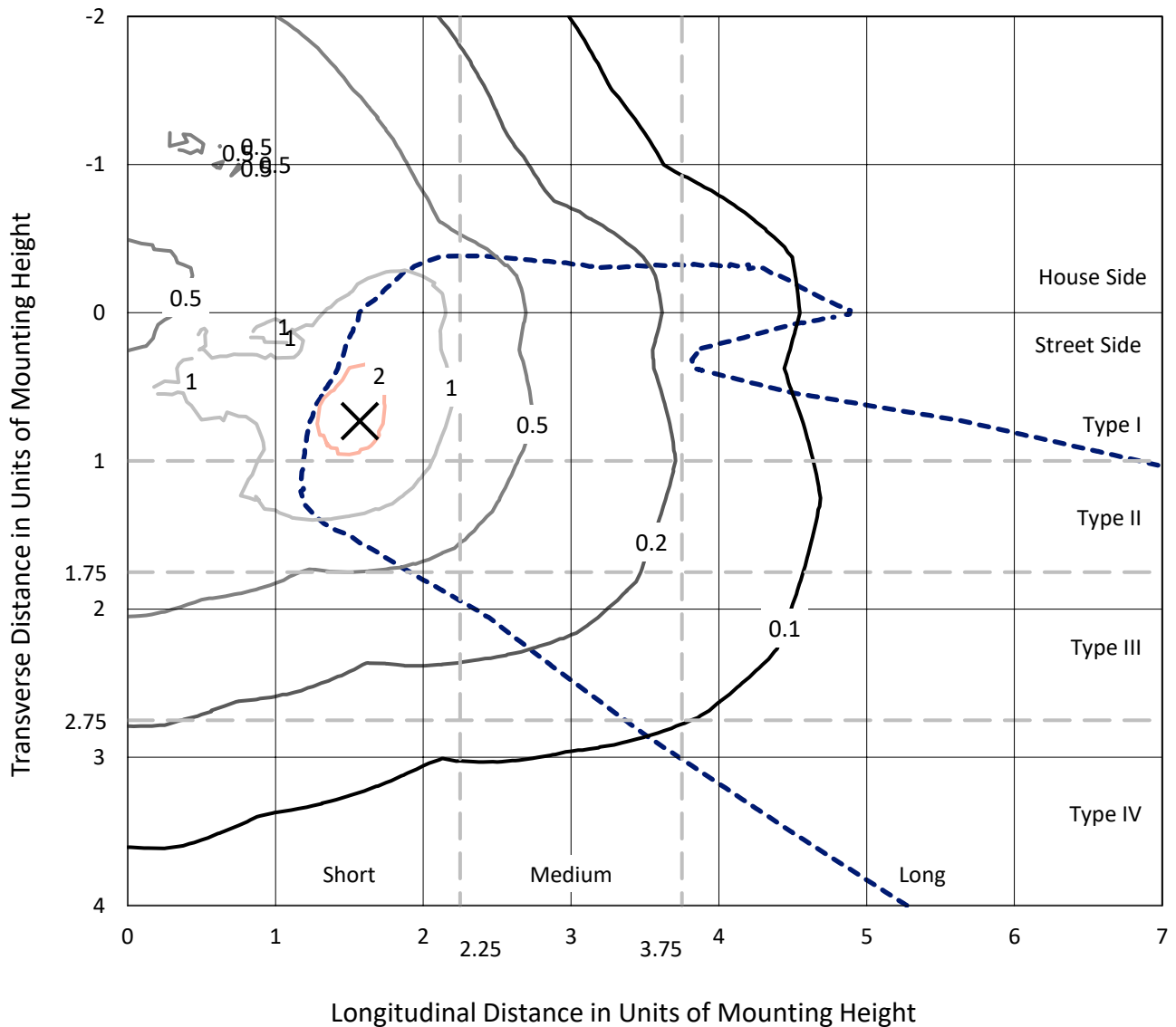
Input Watts (W): 103.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

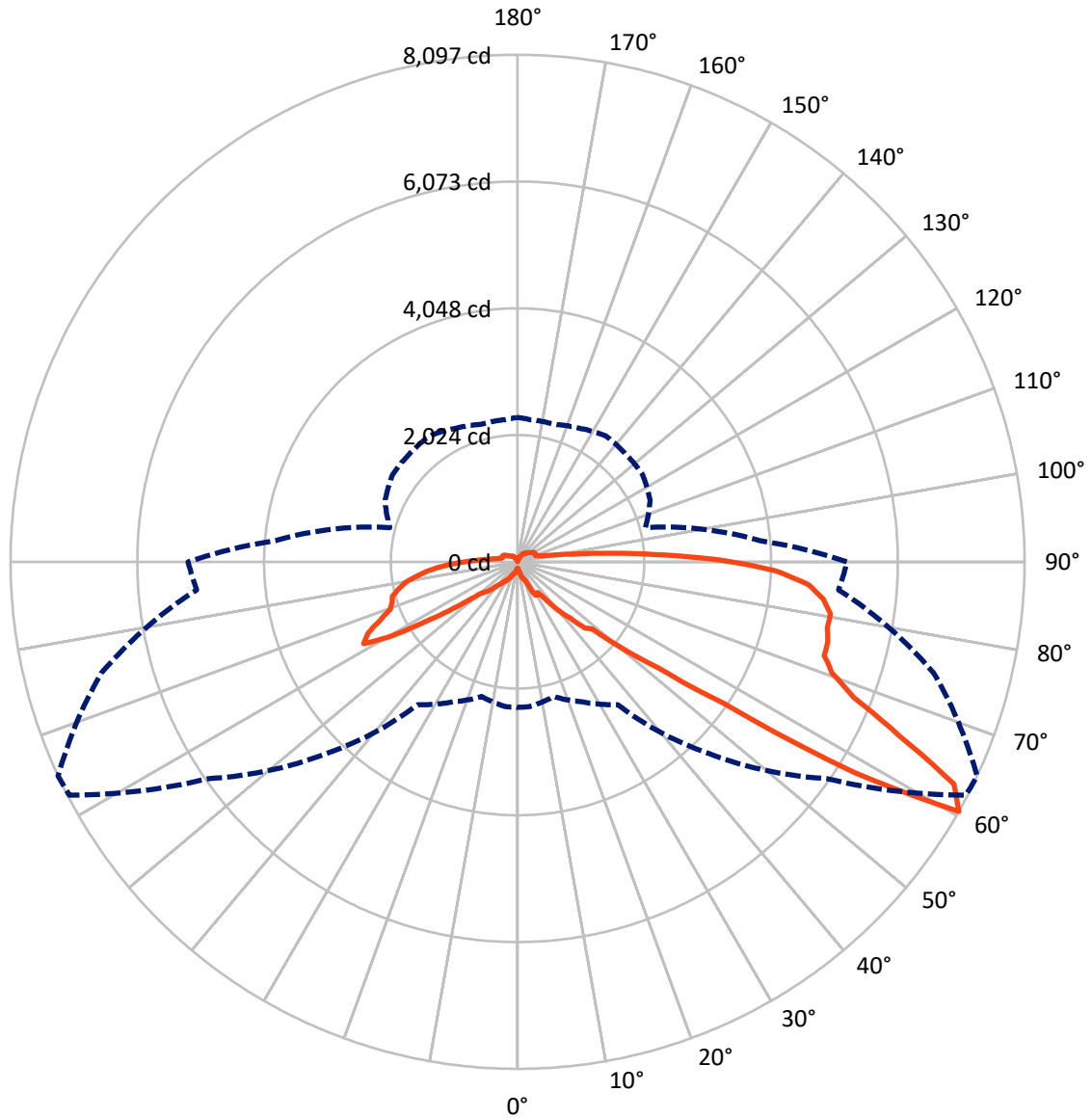
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 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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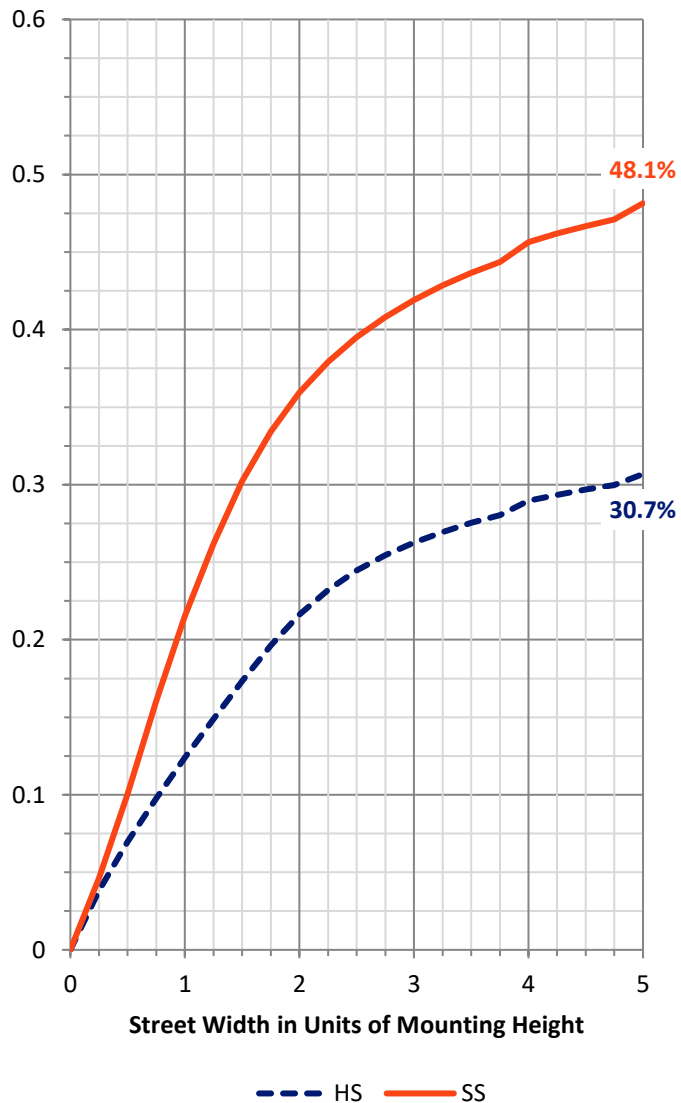
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4679.0	749.3	5428.3
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	7485.8	1116.9	8602.7
	% Fixture	53.4	8.0	61.3
Total	Lumens	12164.8	1866.2	14031.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.1
10°-20°	59.9	0.4
20°-30°	171.4	1.2
30°-40°	369.0	2.6
40°-50°	698.3	5.0
50°-60°	1950.8	13.9
60°-70°	3477.9	24.8
70°-80°	3044.9	21.7
80°-90°	2379.1	17.0
90°-100°	899.4	6.4
100°-110°	309.4	2.2
110°-120°	253.0	1.8
120°-130°	170.0	1.2
130°-140°	116.6	0.8
140°-150°	73.3	0.5
150°-160°	34.0	0.2
160°-170°	9.6	0.1
170°-180°	0.8	0.0
0°-90°	12164.8	86.7
0°-180°	14031.0	100.0

Coefficient of Utilization



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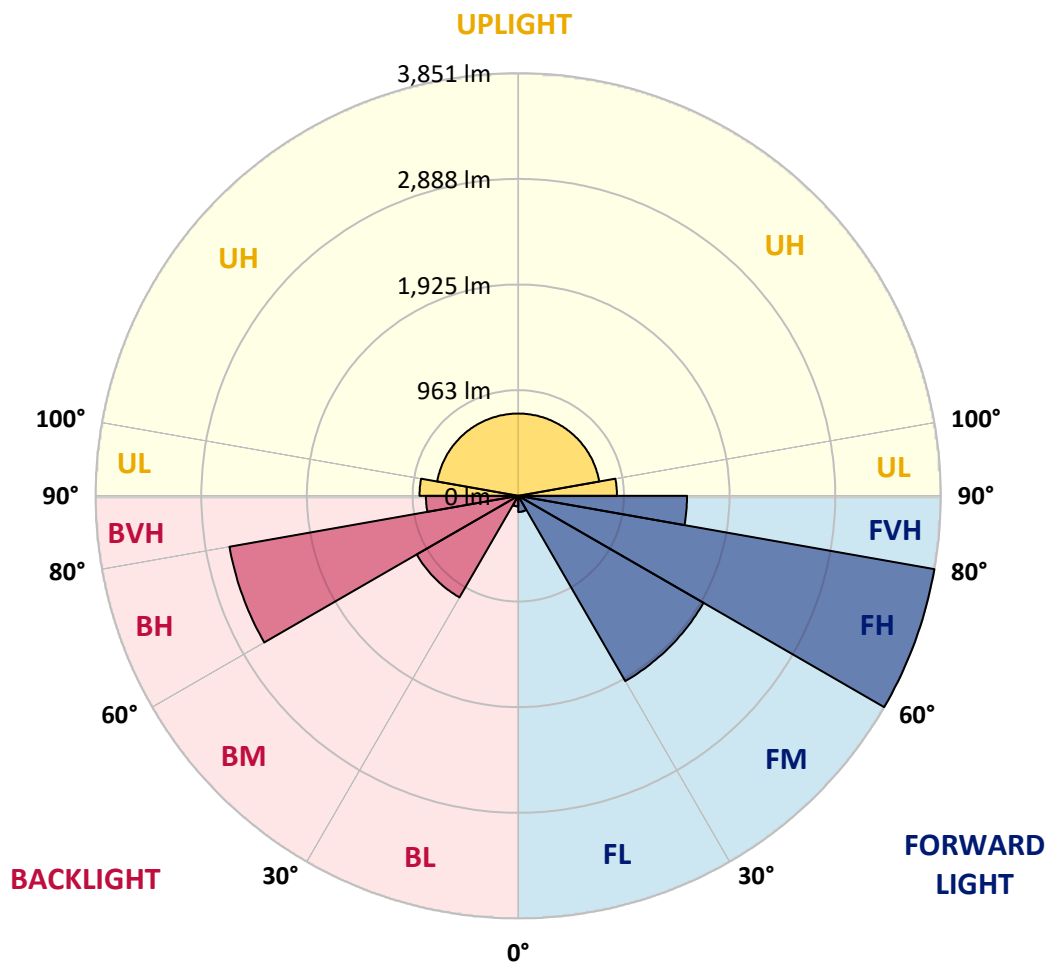
CATALOG NUMBER: GAT-CA6-LED-100-760-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.8	1.1			
FM (30°-60°)	1949.5	13.9			
FH (60°-80°)	3850.7	27.4			G2/5000
FVH (80°-90°)	1537.8	11.0			G5
BL (0°-30°)	96.9	0.7	B0/110		
BM (30°-60°)	1068.7	7.6	B2/2500		
BH (60°-80°)	2672.1	19.0	B4/5000		G4/5000
BVH (80°-90°)	841.3	6.0			G5
UL (90°-100°)	899.4	6.4		U4/1000	
UH (100°-180°)	749.3	5.3		U4/1000	

BUG Rating: B4-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°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
2.5°	123.7	120.1	116.4	116.4	114.6	112.8	112.8	109.1	111.0	109.1	109.1
5°	145.5	143.7	140.1	141.9	138.3	136.4	136.4	134.6	132.8	131.0	125.5
7.5°	169.2	169.2	171.0	172.8	167.4	161.9	160.1	156.4	156.4	154.6	151.0
10°	194.6	192.8	185.5	185.5	181.9	178.3	180.1	178.3	178.3	178.3	171.0
12.5°	201.9	200.1	194.6	194.6	194.6	192.8	200.1	198.3	200.1	198.3	187.4
15°	227.4	225.6	223.7	225.6	232.8	247.4	265.6	258.3	260.1	256.5	216.5
17.5°	238.3	243.8	247.4	249.2	256.5	256.5	260.1	258.3	265.6	271.0	247.4
20°	276.5	272.9	276.5	289.2	307.4	309.2	303.8	303.8	307.4	309.2	263.8
22.5°	292.9	291.1	305.6	294.7	294.7	303.8	336.5	325.6	325.6	322.0	283.8
25°	380.2	387.5	402.0	420.2	463.9	476.6	513.0	473.0	478.4	422.0	360.2
27.5°	456.6	462.1	547.5	624.0	658.5	640.3	671.2	596.7	603.9	611.2	525.7
30°	480.2	491.2	614.9	671.2	716.7	680.3	720.4	622.1	616.7	658.5	624.0
32.5°	462.1	473.0	603.9	627.6	674.9	809.5	758.6	600.3	583.9	603.9	645.8
35°	507.5	514.8	593.0	536.6	580.3	1131.5	993.2	700.4	667.6	556.6	618.5
37.5°	609.4	609.4	702.2	742.2	774.9	1335.2	1304.3	871.3	845.9	651.2	714.9
40°	738.6	734.9	849.5	876.8	891.4	1209.7	1577.2	1111.5	1055.1	765.8	931.4
42.5°	816.8	809.5	902.3	931.4	931.4	1024.2	1784.5	1353.4	1222.4	893.2	1138.8
45°	847.7	855.0	975.0	938.7	965.9	1051.4	2006.5	1688.1	1504.4	1047.8	1320.7
47.5°	767.7	778.6	951.4	955.0	816.8	840.4	1799.1	1753.6	1602.6	1122.4	1378.9
50°	942.3	949.6	1011.4	969.6	902.3	1064.2	2142.9	2253.9	2188.4	1389.8	1455.3
52.5°	1293.4	1326.1	1384.3	1420.7	1400.7	1788.2	2874.2	2854.2	2799.6	2086.5	1986.5
55°	1675.4	1702.7	1784.5	2004.6	2172.0	2677.7	3574.5	3992.9	3989.3	3389.0	3096.1
57.5°	2022.8	2024.7	2035.6	2306.6	2564.9	3496.3	4682.4	6219.5	6357.7	5413.6	4433.1
60°	2324.8	2319.3	2226.6	2468.5	2783.2	4334.9	6035.8	8069.5	8096.8	6883.5	5142.6
62.5°	2406.7	2390.3	2255.7	2481.2	2750.5	4351.3	6381.4	7849.4	7818.5	6987.2	5235.4
65°	2335.7	2319.3	2148.4	2350.3	2477.6	3954.7	5893.9	6750.7	6699.7	6383.2	4984.3
67.5°	2230.2	2241.1	2072.0	2226.6	2313.9	3709.1	5380.9	5808.4	5793.8	5948.4	4775.1
70°	2077.4	2086.5	1931.9	2122.9	2250.2	3552.7	4889.7	5353.6	5328.1	5555.5	4467.7
72.5°	2082.9	2110.2	1926.4	2070.1	2202.9	3338.0	4667.8	5197.2	5122.6	5157.1	4098.4
75°	2097.4	2133.8	1939.2	2068.3	2192.0	3259.8	4642.3	5209.9	5115.3	5013.4	3958.4
77.5°	2102.9	2155.6	1946.4	2088.3	2195.7	3152.5	4584.1	5146.2	5057.1	4875.2	3792.8
80°	2059.2	2115.6	1915.5	2090.1	2172.0	2939.7	4436.8	5135.3	5068.0	4857.0	3725.5
82.5°	1971.9	2028.3	1855.5	1999.2	2126.5	2723.2	4229.4	4922.5	4918.8	4682.4	3583.6
85°	1780.9	1842.7	1711.8	1844.6	2001.0	2435.8	3811.0	4560.5	4660.5	4469.5	3392.6
87.5°	1597.2	1659.0	1589.9	1664.5	1822.7	2117.4	3274.4	3936.5	4123.9	3965.6	2914.2
90°	1388.0	1451.6	1395.2	1366.1	1493.5	1689.9	2617.7	3061.5	3238.0	3141.6	2144.7
92.5°	1111.5	1166.0	1113.3	1046.0	1122.4	1240.6	1944.6	2142.9	2184.7	2092.0	1406.2
95°	840.4	880.4	833.1	765.8	774.9	849.5	1340.7	1404.3	1393.4	1282.5	893.2
97.5°	583.9	607.6	576.7	529.4	545.7	593.0	887.7	880.4	880.4	784.0	583.9
100°	405.7	414.8	400.2	378.4	391.1	422.0	596.7	594.8	576.7	529.4	425.7
102.5°	322.0	323.8	309.2	294.7	287.4	316.5	431.1	429.3	432.9	411.1	332.9
105°	283.8	282.0	269.2	256.5	241.9	271.0	342.0	356.5	354.7	336.5	285.6
107.5°	260.1	258.3	245.6	234.7	221.9	247.4	296.5	316.5	314.7	312.9	269.2
110°	241.9	240.1	229.2	218.3	207.4	236.5	278.3	309.2	309.2	309.2	272.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	229.2	229.2	220.1	211.0	201.9	234.7	267.4	303.8	303.8	312.9	285.6
115°	221.9	220.1	212.8	207.4	200.1	236.5	263.8	300.2	302.0	314.7	283.8
117.5°	216.5	214.7	209.2	201.9	198.3	232.8	265.6	307.4	305.6	325.6	278.3
120°	207.4	203.7	196.5	189.2	185.5	214.7	258.3	298.3	294.7	303.8	256.5
122.5°	200.1	189.2	176.5	171.0	171.0	194.6	241.9	269.2	265.6	258.3	231.0
125°	183.7	172.8	161.9	160.1	161.9	181.9	231.0	247.4	249.2	243.8	218.3
127.5°	165.5	158.3	152.8	152.8	156.4	178.3	227.4	238.3	238.3	227.4	207.4
130°	156.4	154.6	151.0	151.0	158.3	180.1	221.9	225.6	225.6	211.0	201.9
132.5°	152.8	149.2	145.5	145.5	152.8	174.6	207.4	214.7	212.8	198.3	191.0
135°	145.5	143.7	140.1	140.1	149.2	171.0	194.6	201.9	200.1	181.9	176.5
137.5°	141.9	138.3	138.3	138.3	147.3	169.2	183.7	189.2	187.4	169.2	163.7
140°	136.4	134.6	131.0	131.0	143.7	163.7	172.8	174.6	172.8	158.3	152.8
142.5°	127.3	125.5	123.7	127.3	140.1	154.6	161.9	161.9	160.1	151.0	143.7
145°	121.9	120.1	118.2	127.3	138.3	145.5	152.8	147.3	147.3	141.9	134.6
147.5°	116.4	114.6	114.6	121.9	131.0	131.0	136.4	134.6	136.4	134.6	127.3
150°	105.5	103.7	103.7	109.1	111.0	111.0	116.4	116.4	116.4	116.4	111.0
152.5°	92.8	91.0	92.8	94.6	94.6	94.6	98.2	100.1	100.1	98.2	96.4
155°	80.0	80.0	80.0	81.9	81.9	80.0	85.5	85.5	85.5	85.5	83.7
157.5°	70.9	70.9	70.9	70.9	70.9	69.1	72.8	72.8	74.6	72.8	72.8
160°	61.8	60.0	60.0	60.0	60.0	58.2	60.0	60.0	60.0	61.8	61.8
162.5°	49.1	47.3	47.3	47.3	47.3	43.7	47.3	45.5	47.3	47.3	49.1
165°	40.0	38.2	38.2	38.2	36.4	34.6	36.4	34.6	34.6	34.6	36.4
167.5°	30.9	30.9	29.1	30.9	29.1	25.5	25.5	23.6	23.6	23.6	23.6
170°	23.6	21.8	20.0	21.8	20.0	16.4	16.4	14.6	14.6	12.7	12.7
172.5°	16.4	14.6	12.7	14.6	12.7	9.1	9.1	5.5	5.5	5.5	5.5
175°	14.6	12.7	10.9	12.7	10.9	7.3	5.5	3.6	3.6	3.6	3.6
177.5°	14.6	12.7	10.9	12.7	10.9	7.3	5.5	3.6	3.6	3.6	3.6
180°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
2.5°	109.1	107.3	105.5	109.1	107.3	109.1	111.0	112.8	112.8	111.0	111.0
5°	125.5	123.7	120.1	118.2	114.6	114.6	114.6	118.2	118.2	116.4	118.2
7.5°	149.2	145.5	140.1	136.4	131.0	131.0	129.2	132.8	134.6	131.0	132.8
10°	167.4	165.5	158.3	152.8	147.3	145.5	145.5	147.3	147.3	145.5	145.5
12.5°	183.7	180.1	172.8	167.4	160.1	158.3	158.3	160.1	160.1	158.3	158.3
15°	207.4	196.5	189.2	183.7	176.5	174.6	172.8	174.6	176.5	172.8	172.8
17.5°	240.1	227.4	211.0	196.5	189.2	192.8	194.6	196.5	194.6	189.2	189.2
20°	258.3	251.0	229.2	218.3	209.2	209.2	209.2	209.2	209.2	207.4	209.2
22.5°	271.0	260.1	232.8	225.6	220.1	223.7	227.4	229.2	229.2	227.4	227.4
25°	329.3	289.2	262.0	256.5	249.2	251.0	247.4	247.4	249.2	247.4	251.0
27.5°	453.0	387.5	325.6	303.8	298.3	298.3	302.0	302.0	302.0	302.0	300.2
30°	543.9	467.5	365.6	336.5	332.9	349.3	358.4	365.6	362.0	356.5	356.5
32.5°	558.5	474.8	372.9	362.0	371.1	383.8	392.9	398.4	403.8	402.0	400.2
35°	527.5	438.4	367.5	382.0	389.3	396.6	398.4	394.7	411.1	418.4	420.2
37.5°	589.4	491.2	427.5	438.4	429.3	422.0	425.7	427.5	449.3	460.2	471.1
40°	753.1	593.0	485.7	480.2	474.8	491.2	513.0	523.9	522.1	514.8	516.6
42.5°	911.4	693.1	547.5	545.7	543.9	573.0	607.6	605.8	589.4	576.7	576.7
45°	1073.3	789.5	645.8	647.6	644.0	654.9	664.0	656.7	658.5	662.2	665.8
47.5°	1173.3	876.8	707.6	702.2	678.5	700.4	725.8	709.4	704.0	694.9	698.5
50°	1197.0	898.6	744.0	784.0	762.2	745.8	718.5	707.6	727.6	742.2	753.1
52.5°	1555.3	1109.6	929.6	993.2	964.1	905.9	900.5	882.3	904.1	905.9	918.6
55°	2606.8	1779.1	1280.6	1342.5	1344.3	1324.3	1415.3	1364.3	1318.8	1298.8	1291.6
57.5°	4109.3	2750.5	1657.2	1735.4	1810.0	1880.9	2004.6	1901.0	1770.0	1753.6	1771.8
60°	5262.6	3883.8	2113.8	2333.9	2434.0	2437.6	2454.0	2352.1	2272.1	2279.3	2304.8
62.5°	5510.0	4829.7	2692.3	2783.2	2792.3	2725.0	2754.1	2819.6	2706.8	2617.7	2641.3
65°	5344.5	5204.4	2881.5	2645.0	2630.4	2641.3	2839.6	3021.5	2794.1	2568.6	2568.6
67.5°	5024.3	4918.8	2688.6	2379.4	2419.4	2543.1	2794.1	2885.1	2643.1	2403.0	2403.0
70°	4682.4	4471.3	2472.2	2168.4	2266.6	2410.3	2574.0	2581.3	2439.4	2268.4	2257.5
72.5°	4313.1	4122.1	2379.4	2106.5	2152.0	2177.5	2266.6	2323.0	2306.6	2195.7	2193.8
75°	4203.9	4049.3	2377.6	2077.4	2050.1	2041.0	2102.9	2224.8	2281.1	2215.7	2219.3
77.5°	4038.4	3945.6	2266.6	1955.5	1926.4	1926.4	1959.2	2057.4	2142.9	2115.6	2124.7
80°	3923.8	3783.7	2097.4	1822.7	1782.7	1788.2	1791.8	1859.1	1939.2	1942.8	1942.8
82.5°	3703.7	3439.9	1840.9	1624.5	1597.2	1604.4	1591.7	1629.9	1651.7	1679.0	1673.6
85°	3341.7	2968.8	1555.3	1408.0	1364.3	1349.8	1338.9	1340.7	1353.4	1348.0	1326.1
87.5°	2799.6	2353.9	1240.6	1155.1	1104.2	1067.8	1053.3	1035.1	1033.2	1013.2	1020.5
90°	2066.5	1615.4	920.5	889.5	853.2	815.0	794.9	776.8	762.2	742.2	734.9
92.5°	1348.0	1040.5	673.1	656.7	633.0	611.2	602.1	593.0	589.4	573.0	578.5
95°	842.2	704.0	505.7	487.5	474.8	469.3	471.1	473.0	469.3	451.1	456.6
97.5°	562.1	509.3	394.7	382.0	369.3	367.5	369.3	372.9	374.7	362.0	365.6
100°	414.8	391.1	323.8	314.7	303.8	300.2	302.0	305.6	307.4	296.5	298.3
102.5°	329.3	318.3	280.1	276.5	263.8	260.1	263.8	265.6	267.4	260.1	260.1
105°	289.2	289.2	258.3	256.5	247.4	243.8	245.6	247.4	249.2	241.9	241.9
107.5°	278.3	280.1	249.2	251.0	245.6	243.8	247.4	251.0	249.2	243.8	241.9
110°	287.4	291.1	249.2	254.7	256.5	260.1	267.4	269.2	269.2	265.6	267.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	296.5	302.0	245.6	258.3	271.0	280.1	292.9	300.2	296.5	294.7	296.5
115°	289.2	292.9	229.2	249.2	272.9	285.6	289.2	289.2	280.1	280.1	282.0
117.5°	280.1	287.4	212.8	229.2	245.6	256.5	254.7	249.2	238.3	234.7	245.6
120°	260.1	282.0	203.7	207.4	209.2	212.8	207.4	201.9	192.8	191.0	198.3
122.5°	240.1	260.1	187.4	183.7	181.9	181.9	180.1	178.3	172.8	174.6	181.9
125°	223.7	234.7	171.0	165.5	163.7	165.5	165.5	165.5	161.9	158.3	158.3
127.5°	211.0	214.7	161.9	154.6	152.8	152.8	152.8	154.6	152.8	147.3	147.3
130°	203.7	201.9	156.4	143.7	141.9	143.7	143.7	145.5	141.9	138.3	138.3
132.5°	189.2	185.5	149.2	136.4	134.6	136.4	136.4	136.4	132.8	129.2	129.2
135°	172.8	169.2	140.1	127.3	125.5	127.3	127.3	129.2	125.5	121.9	121.9
137.5°	160.1	156.4	131.0	120.1	118.2	118.2	120.1	120.1	118.2	114.6	114.6
140°	149.2	145.5	121.9	112.8	109.1	111.0	111.0	111.0	109.1	105.5	105.5
142.5°	140.1	138.3	112.8	103.7	100.1	101.9	101.9	103.7	100.1	96.4	96.4
145°	132.8	129.2	105.5	94.6	92.8	92.8	92.8	94.6	91.0	87.3	87.3
147.5°	125.5	121.9	96.4	85.5	83.7	83.7	83.7	83.7	81.9	78.2	76.4
150°	111.0	109.1	89.1	78.2	74.6	74.6	74.6	72.8	69.1	65.5	65.5
152.5°	94.6	92.8	78.2	69.1	65.5	65.5	63.7	63.7	60.0	58.2	56.4
155°	81.9	81.9	70.9	61.8	58.2	56.4	54.6	54.6	52.8	50.9	49.1
157.5°	72.8	70.9	63.7	56.4	49.1	49.1	47.3	47.3	45.5	43.7	41.8
160°	61.8	61.8	54.6	47.3	41.8	40.0	40.0	38.2	36.4	34.6	34.6
162.5°	49.1	49.1	43.7	38.2	32.7	32.7	30.9	30.9	29.1	27.3	25.5
165°	34.6	34.6	32.7	29.1	25.5	23.6	23.6	23.6	21.8	20.0	20.0
167.5°	23.6	23.6	21.8	20.0	18.2	16.4	18.2	18.2	16.4	14.6	14.6
170°	12.7	12.7	10.9	10.9	9.1	9.1	10.9	12.7	10.9	9.1	7.3
172.5°	5.5	5.5	5.5	5.5	3.6	5.5	7.3	9.1	7.3	5.5	5.5
175°	3.6	3.6	5.5	5.5	3.6	5.5	7.3	9.1	7.3	5.5	5.5
177.5°	3.6	3.6	5.5	5.5	3.6	5.5	7.3	9.1	7.3	5.5	5.5
180°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)