

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: P588371

Luminaire Tested: **GAT-CA6-LED-110-722-U-33-5-6-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
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-110-722-U-33-5-6-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8564 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

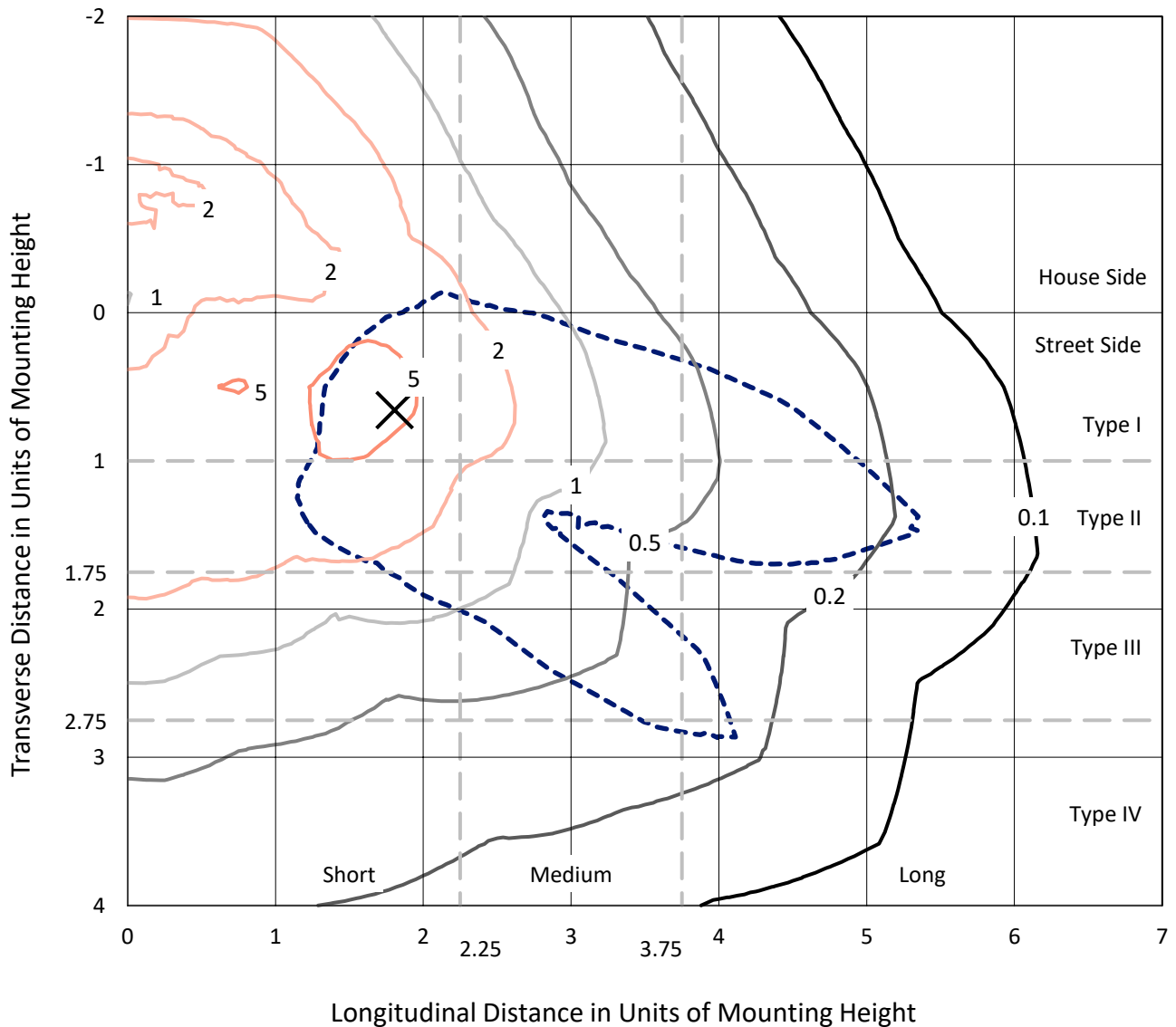
Input Watts (W): 112.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

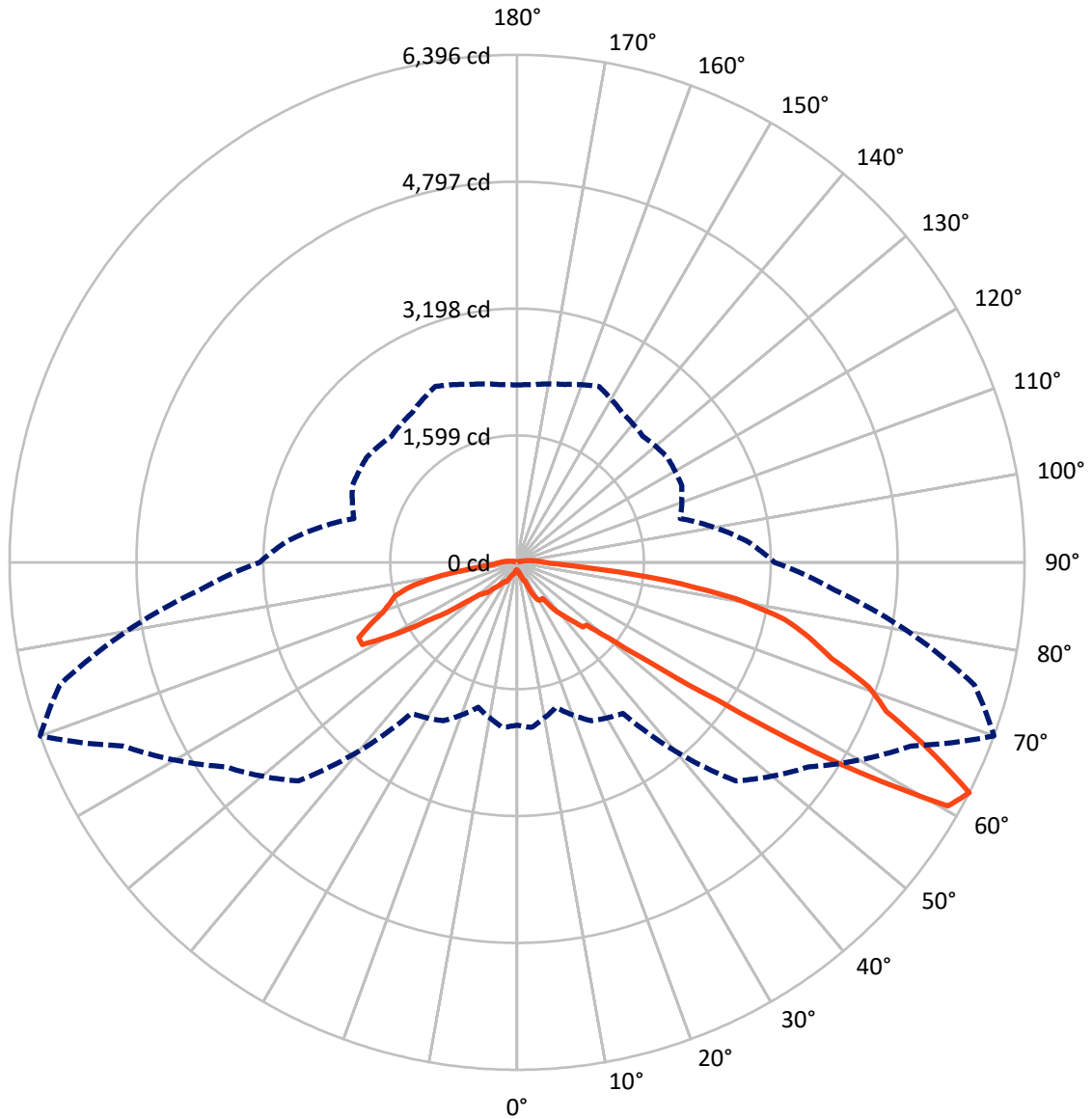
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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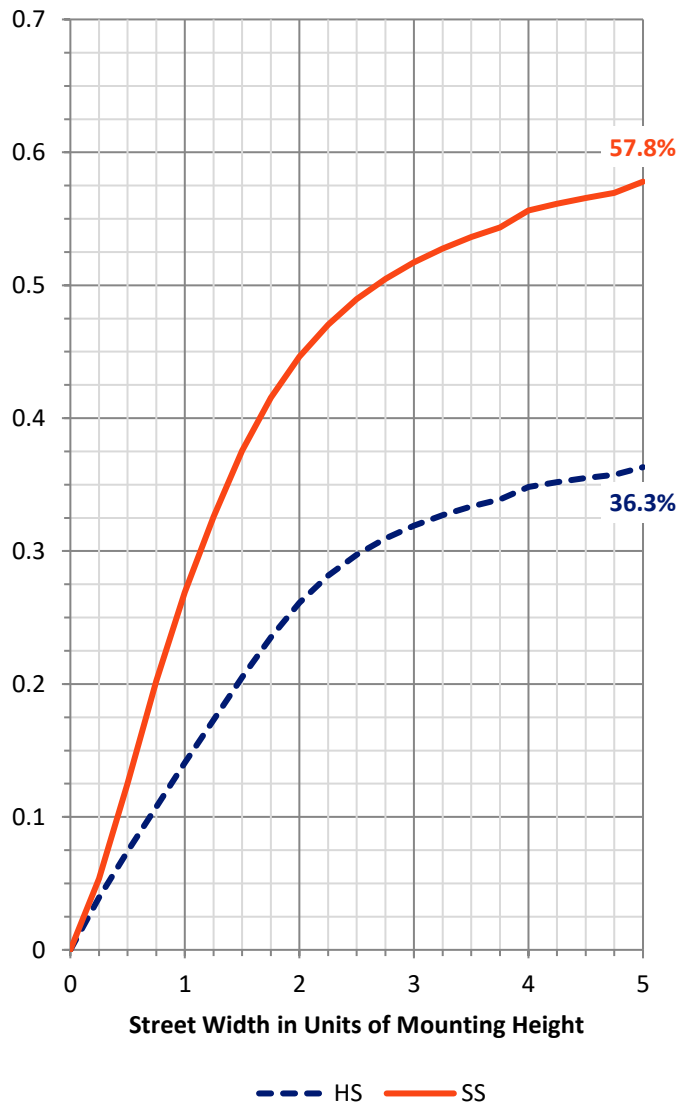
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3174.0	116.4	3290.4
	% Fixture	37.1	1.4	38.4
<b>Street Side</b>	Lumens	5113.7	159.9	5273.6
	% Fixture	59.7	1.9	61.6
<b>Total</b>	Lumens	8287.8	276.2	8564.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.8	0.1
10°-20°	46.6	0.5
20°-30°	144.5	1.7
30°-40°	309.8	3.6
40°-50°	580.5	6.8
50°-60°	1506.3	17.6
60°-70°	2759.3	32.2
70°-80°	2213.3	25.8
80°-90°	716.7	8.4
90°-100°	188.8	2.2
100°-110°	61.4	0.7
110°-120°	24.1	0.3
120°-130°	1.9	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8287.8	96.8
0°-180°	8564.0	100.0

**Coefficient of Utilization**



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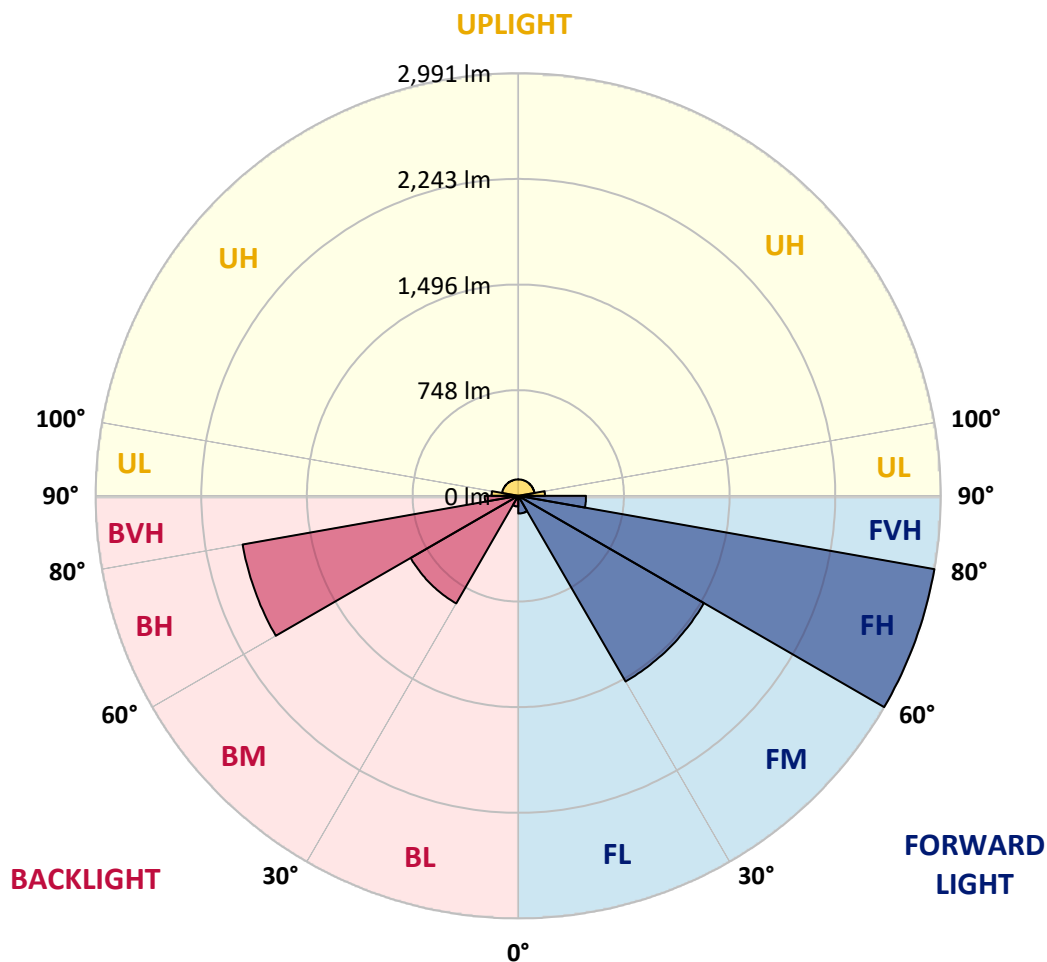
CATALOG NUMBER: GAT-CA6-LED-110-722-U-33-5-6-X

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.7	1.5			
FM (30°-60°)	1517.4	17.7			
FH (60°-80°)	2991.2	34.9			G2/5000
FVH (80°-90°)	479.5	5.6			G3/500
BL (0°-30°)	76.2	0.9	B0/110		
BM (30°-60°)	879.2	10.3	B1/1000		
BH (60°-80°)	1981.4	23.1	B3/2500		G3/2500
BVH (80°-90°)	237.2	2.8			G3/500
UL (90°-100°)	188.8	2.2		U3/500	
UH (100°-180°)	116.4	1.4		U3/500	

**BUG Rating: B3-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	109.7	109.7	109.7	108.1	106.4	104.8	103.1	103.1	101.5	99.9	98.2
5°	119.5	117.9	116.2	113.0	111.3	111.3	109.7	109.7	109.7	108.1	106.4
7.5°	132.6	132.6	131.0	129.3	127.7	126.1	124.4	122.8	122.8	121.2	119.5
10°	150.6	150.6	150.6	149.0	149.0	147.3	144.1	142.4	139.2	137.5	132.6
12.5°	168.6	170.3	167.0	167.0	167.0	165.4	162.1	160.4	157.2	153.9	147.3
15°	186.6	185.0	183.4	181.7	185.0	185.0	183.4	183.4	176.8	171.9	160.4
17.5°	203.0	203.0	204.6	204.6	209.6	207.9	207.9	206.3	203.0	194.8	180.1
20°	229.2	230.8	230.8	230.8	247.2	253.8	255.4	257.0	252.1	235.8	206.3
22.5°	255.4	257.0	268.5	265.2	265.2	265.2	281.6	273.4	252.1	232.5	216.1
25°	345.4	350.4	353.6	365.1	378.2	414.2	471.5	453.5	420.8	353.6	298.0
27.5°	432.2	438.8	497.7	579.6	591.0	548.5	589.4	535.4	519.0	450.2	404.4
30°	471.5	483.0	584.5	640.1	659.8	604.1	663.1	559.9	555.0	505.9	466.6
32.5°	481.3	489.5	600.8	607.4	612.3	605.8	694.2	568.1	556.6	507.5	450.2
35°	466.6	476.4	551.7	514.1	515.7	631.9	797.3	612.3	559.9	474.8	410.9
37.5°	574.6	574.6	638.5	648.3	690.9	831.7	1044.5	808.8	749.8	618.8	540.3
40°	654.9	663.1	764.6	802.2	808.8	928.3	1308.1	947.9	864.4	692.5	631.9
42.5°	762.9	761.3	854.6	880.8	898.8	943.0	1337.6	1090.4	992.1	784.2	738.4
45°	780.9	807.1	892.3	862.8	885.7	998.7	1396.5	1291.7	1160.7	957.7	862.8
47.5°	708.9	744.9	916.8	892.3	800.6	853.0	1119.8	1326.1	1182.0	983.9	916.8
50°	764.6	784.2	869.3	853.0	730.2	907.0	1229.5	1661.7	1501.3	1170.6	998.7
52.5°	988.8	1031.4	1046.1	1110.0	1051.1	1357.2	1720.7	2105.4	2084.1	1694.5	1317.9
55°	1270.4	1332.7	1398.1	1640.4	1674.8	2131.6	2401.7	2812.6	3068.0	2680.0	2021.9
57.5°	1575.0	1663.4	1642.1	1994.1	2048.1	2888.0	3136.8	4099.5	4782.2	4255.0	2961.6
60°	1869.6	1928.6	1809.1	2118.5	2221.6	3636.1	4001.2	5338.8	6237.6	5676.0	3647.6
62.5°	2051.4	2089.0	1892.6	2203.6	2324.8	3896.5	4490.7	5478.0	6396.4	5969.1	4019.2
65°	2049.7	2039.9	1815.6	2085.7	2069.4	3596.9	4340.1	4603.7	5713.7	5641.7	4066.7
67.5°	1969.5	1972.8	1737.0	1951.5	1884.4	3171.2	4020.9	3894.8	5022.8	5119.4	3955.4
70°	1892.6	1931.9	1707.6	1894.2	1863.1	3050.0	3881.7	3505.2	4698.7	4882.0	3837.5
72.5°	1784.5	1822.2	1611.0	1774.7	1786.1	2807.7	3644.3	3059.9	4143.7	4364.7	3439.7
75°	1782.9	1830.4	1632.3	1776.3	1794.3	2670.2	3673.8	2906.0	3811.3	4107.6	3210.5
77.5°	1681.4	1723.9	1540.6	1674.8	1725.6	2416.5	3505.2	2714.4	3443.0	3775.3	2910.9
80°	1350.7	1408.0	1257.3	1345.7	1373.6	1812.3	2811.0	2223.3	2801.2	3133.5	2378.8
82.5°	923.4	975.8	875.9	941.4	977.4	1188.6	1943.3	1601.1	1904.0	2107.0	1489.8
85°	533.7	595.9	537.0	528.8	546.8	627.0	1046.1	851.3	885.7	931.5	661.4
87.5°	335.6	345.4	316.0	317.6	320.9	343.8	476.4	379.8	419.1	474.8	401.1
90°	266.9	276.7	255.4	257.0	252.1	273.4	356.9	289.8	322.5	371.6	317.6
92.5°	230.8	237.4	222.7	225.9	222.7	239.0	298.0	239.0	265.2	304.5	260.3
95°	196.5	201.4	193.2	194.8	185.0	194.8	232.5	181.7	201.4	229.2	194.8
97.5°	157.2	162.1	157.2	157.2	147.3	152.3	178.5	140.8	153.9	171.9	147.3
100°	124.4	126.1	124.4	122.8	114.6	114.6	124.4	101.5	106.4	117.9	101.5
102.5°	95.0	96.6	95.0	93.3	83.5	78.6	78.6	65.5	68.8	72.0	63.8
105°	75.3	76.9	75.3	72.0	63.8	58.9	57.3	47.5	47.5	49.1	44.2
107.5°	62.2	62.2	62.2	58.9	54.0	47.5	42.6	34.4	34.4	36.0	34.4
110°	50.8	50.8	49.1	47.5	42.6	37.7	32.7	27.8	27.8	27.8	26.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	42.6	42.6	40.9	39.3	34.4	29.5	26.2	22.9	22.9	22.9	21.3
115°	36.0	36.0	34.4	32.7	29.5	24.6	21.3	18.0	18.0	18.0	18.0
117.5°	31.1	31.1	29.5	27.8	24.6	21.3	18.0	14.7	14.7	14.7	14.7
120°	27.8	26.2	24.6	22.9	19.6	18.0	14.7	13.1	13.1	13.1	11.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	98.2	98.2	96.6	96.6	96.6	95.0	95.0	96.6	96.6	96.6	96.6
5°	104.8	103.1	99.9	96.6	95.0	93.3	91.7	91.7	95.0	95.0	95.0
7.5°	117.9	116.2	111.3	108.1	104.8	101.5	99.9	98.2	99.9	101.5	101.5
10°	131.0	129.3	122.8	117.9	116.2	113.0	111.3	109.7	111.3	111.3	111.3
12.5°	144.1	140.8	135.9	129.3	126.1	124.4	122.8	121.2	121.2	121.2	121.2
15°	155.5	150.6	145.7	140.8	137.5	134.2	132.6	131.0	132.6	134.2	134.2
17.5°	173.5	168.6	157.2	149.0	147.3	144.1	142.4	142.4	144.1	145.7	145.7
20°	193.2	183.4	170.3	162.1	160.4	155.5	153.9	153.9	155.5	157.2	157.2
22.5°	209.6	203.0	183.4	171.9	170.3	168.6	170.3	170.3	171.9	173.5	173.5
25°	266.9	240.7	212.8	204.6	203.0	199.7	196.5	194.8	196.5	201.4	203.0
27.5°	360.2	312.7	260.3	242.3	242.3	245.6	252.1	255.4	248.8	245.6	247.2
30°	422.4	358.5	283.2	266.9	270.1	286.5	301.2	311.1	304.5	299.6	301.2
32.5°	406.0	347.1	293.1	289.8	299.6	312.7	320.9	325.8	338.9	343.8	350.4
35°	370.0	325.8	296.3	309.4	316.0	316.0	316.0	316.0	340.5	363.5	370.0
37.5°	451.9	376.5	352.0	356.9	352.0	347.1	352.0	365.1	386.4	404.4	409.3
40°	530.4	435.5	394.6	391.3	389.6	406.0	435.5	458.4	465.0	448.6	451.9
42.5°	617.2	492.8	440.4	445.3	458.4	484.6	517.3	517.3	517.3	502.6	507.5
45°	699.1	559.9	528.8	541.9	541.9	555.0	573.0	561.5	576.3	582.8	591.0
47.5°	795.7	650.0	581.2	569.7	571.4	597.6	604.1	599.2	609.0	597.6	597.6
50°	825.1	664.7	610.7	654.9	654.9	625.4	600.8	604.1	631.9	663.1	669.6
52.5°	1049.4	823.5	774.4	820.2	839.9	789.1	789.1	795.7	802.2	825.1	831.7
55°	1570.0	1173.8	1026.5	1132.9	1147.7	1178.8	1263.9	1250.8	1175.5	1137.8	1134.6
57.5°	2347.7	1741.9	1278.6	1429.2	1524.2	1651.9	1715.7	1678.1	1576.6	1542.2	1504.6
60°	3000.9	2385.3	1656.8	1918.8	2061.2	2082.5	2059.6	2062.8	1985.9	2010.4	2000.6
62.5°	3243.2	2927.3	2130.0	2288.8	2310.0	2244.6	2305.1	2444.3	2319.9	2246.2	2234.7
65°	3315.3	3128.6	2262.6	2159.4	2139.8	2128.3	2367.3	2599.8	2321.5	2149.6	2148.0
67.5°	3243.2	2922.3	2093.9	1923.7	1969.5	2062.8	2373.9	2460.7	2198.7	2008.8	1995.7
70°	3149.9	2590.0	1884.4	1737.0	1843.4	1979.3	2177.4	2143.0	2039.9	1871.3	1863.1
72.5°	2811.0	2244.6	1750.1	1627.3	1748.5	1787.8	1886.0	1871.3	1900.7	1794.3	1789.4
75°	2516.3	2061.2	1669.9	1525.8	1584.8	1578.2	1656.8	1674.8	1758.3	1712.5	1694.5
77.5°	2170.9	1792.7	1471.8	1304.8	1327.7	1326.1	1363.8	1375.2	1434.2	1437.4	1417.8
80°	1699.4	1404.7	1149.3	982.3	985.6	956.1	961.0	959.4	970.8	983.9	965.9
82.5°	975.8	784.2	651.6	545.2	522.3	483.0	474.8	478.1	473.1	469.9	469.9
85°	478.1	371.6	342.2	306.1	293.1	283.2	288.1	298.0	302.9	293.1	288.1
87.5°	322.5	278.3	265.2	250.5	243.9	234.1	240.7	248.8	255.4	247.2	245.6
90°	255.4	221.0	217.7	214.5	209.6	201.4	207.9	217.7	222.7	216.1	212.8
92.5°	206.3	178.5	178.5	176.8	171.9	165.4	173.5	181.7	186.6	181.7	180.1
95°	158.8	137.5	142.4	139.2	134.2	132.6	137.5	144.1	147.3	144.1	144.1
97.5°	122.8	108.1	113.0	111.3	104.8	103.1	106.4	111.3	114.6	111.3	109.7
100°	83.5	76.9	83.5	83.5	76.9	73.7	76.9	81.9	83.5	83.5	81.9
102.5°	55.7	52.4	60.6	62.2	58.9	55.7	57.3	60.6	62.2	62.2	62.2
105°	39.3	39.3	47.5	49.1	45.8	42.6	45.8	47.5	47.5	47.5	47.5
107.5°	31.1	32.7	37.7	40.9	37.7	34.4	36.0	37.7	37.7	37.7	39.3
110°	26.2	26.2	31.1	34.4	31.1	29.5	29.5	29.5	29.5	31.1	34.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	22.9	26.2	27.8	26.2	24.6	24.6	24.6	24.6	26.2	31.1
115°	18.0	19.6	22.9	22.9	21.3	21.3	21.3	19.6	19.6	21.3	29.5
117.5°	14.7	16.4	18.0	18.0	18.0	16.4	16.4	16.4	16.4	19.6	31.1
120°	13.1	13.1	14.7	14.7	13.1	13.1	13.1	13.1	11.5	16.4	24.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)