

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: P588373

Luminaire Tested: **GAT-CA6-LED-110-722-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-16)
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-55-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8635 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U3 - G3

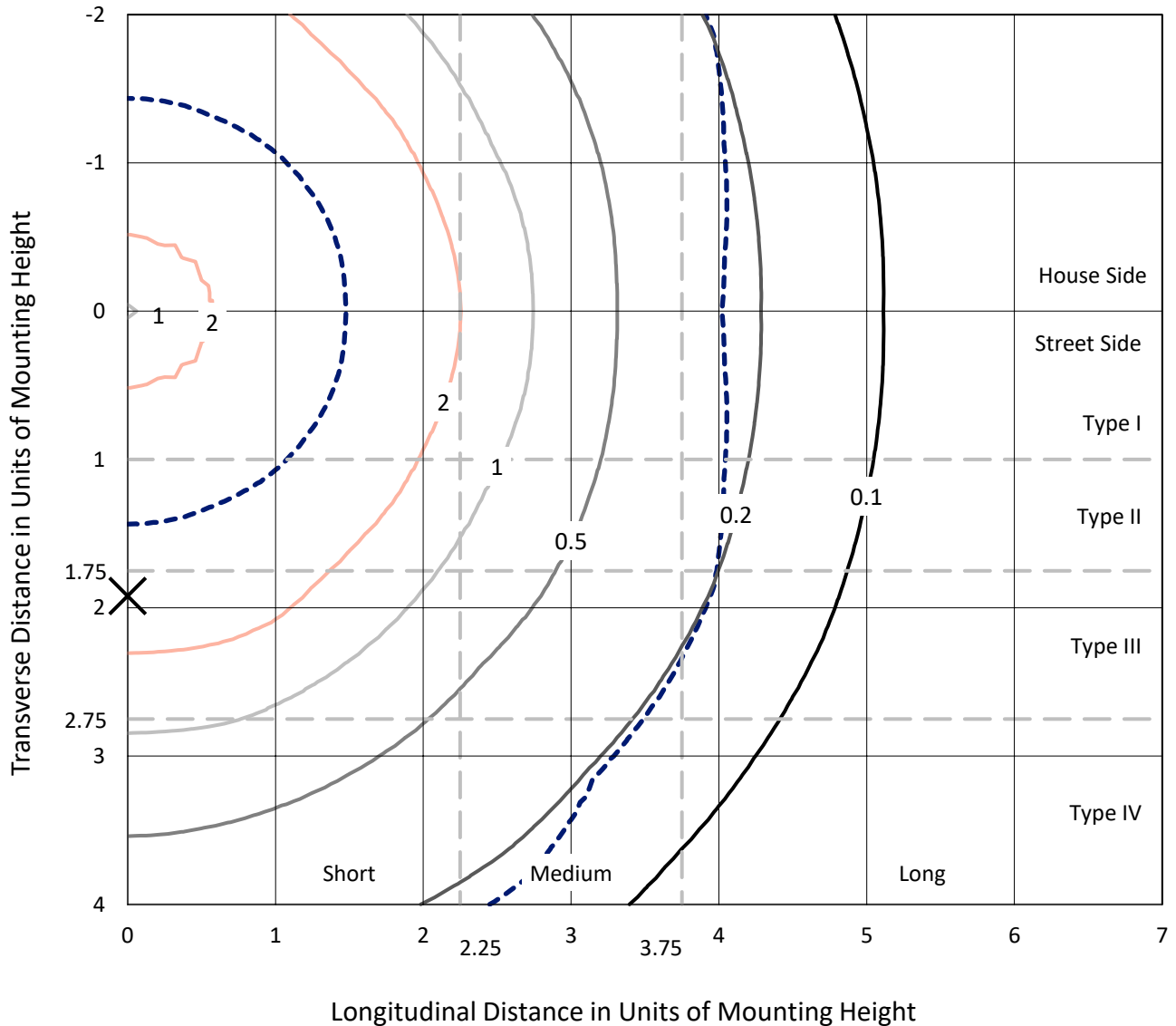
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

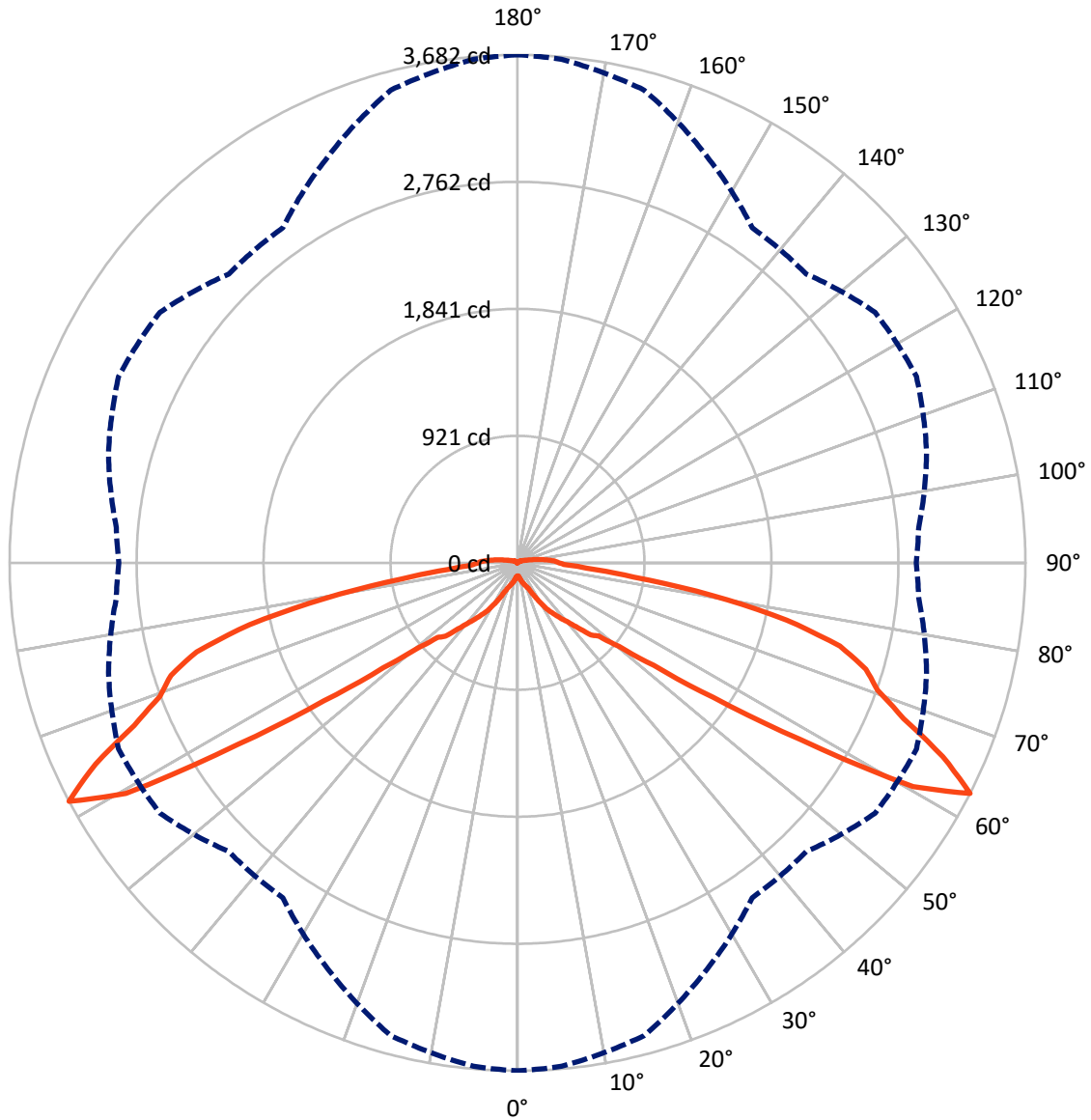
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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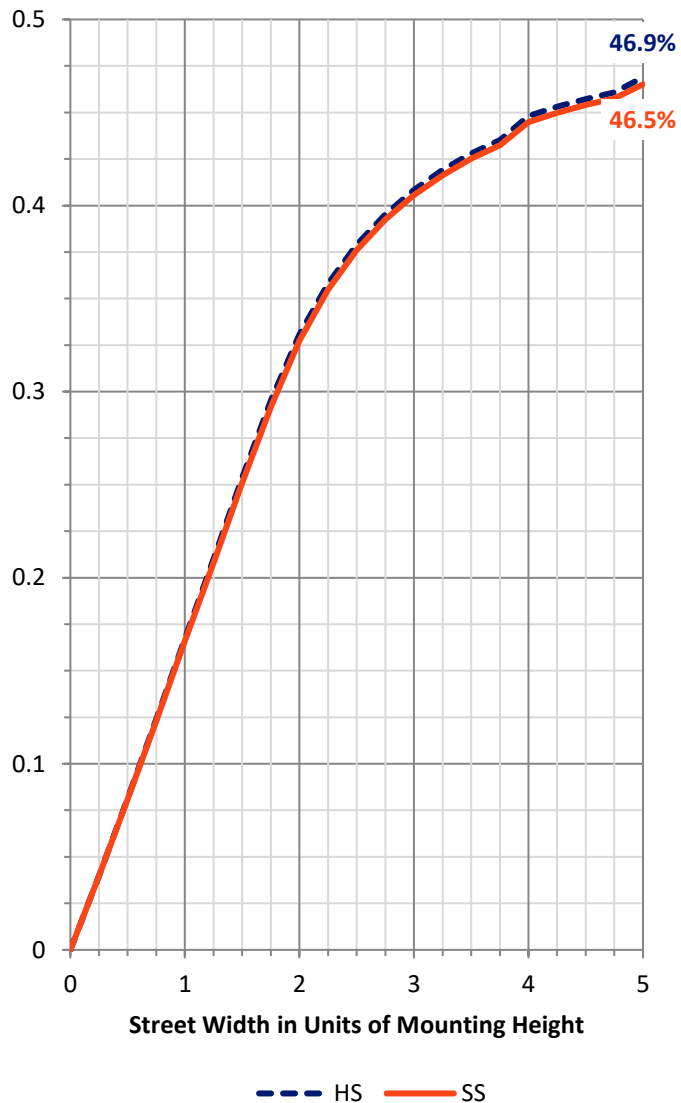
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4151.6	165.9	4317.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	4151.6	165.9	4317.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	8303.1	331.8	8635.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	43.5	0.5
20°-30°	114.8	1.3
30°-40°	261.2	3.0
40°-50°	528.3	6.1
50°-60°	1563.9	18.1
60°-70°	2938.0	34.0
70°-80°	2183.9	25.3
80°-90°	659.3	7.6
90°-100°	213.9	2.5
100°-110°	75.0	0.9
110°-120°	29.0	0.3
120°-130°	11.5	0.1
130°-140°	2.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	8303.1	96.2
0°-180°	8635.0	100.0

Coefficient of Utilization



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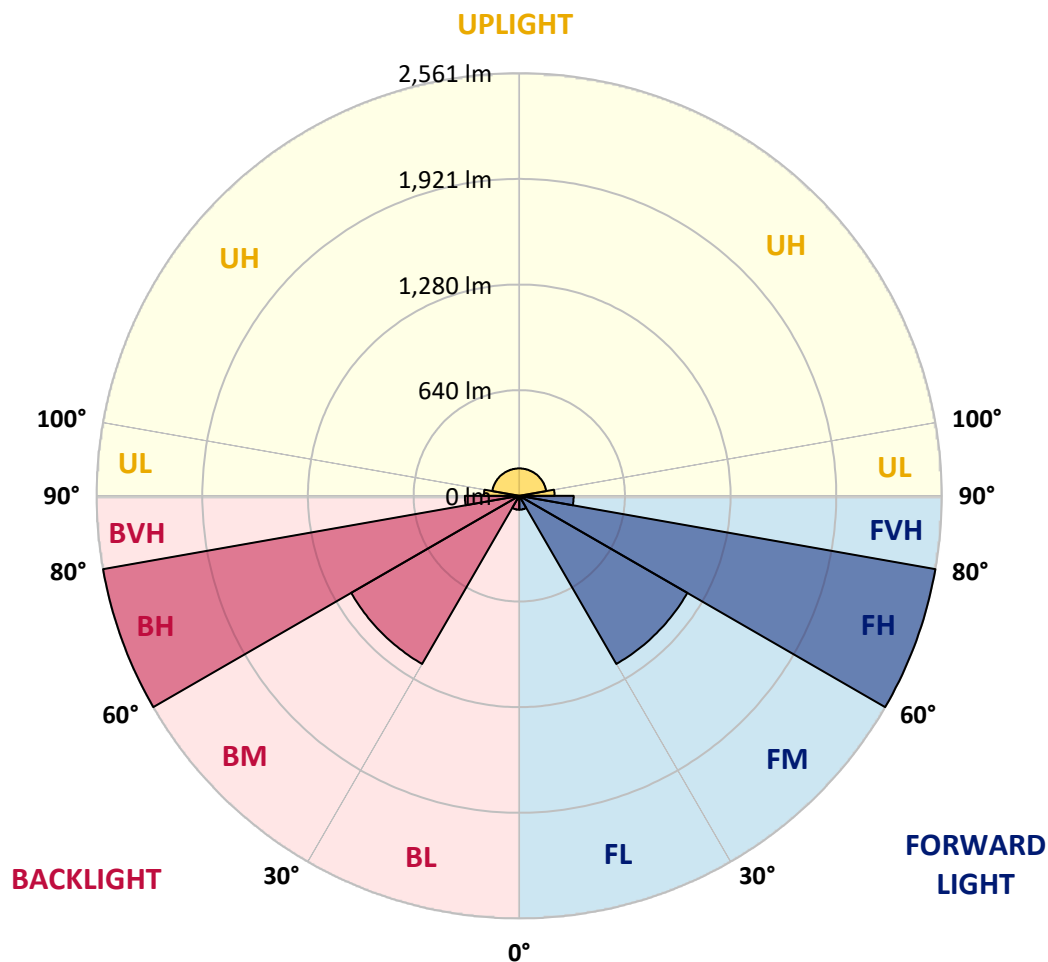
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.3	1.0			
FM (30°-60°)	1176.7	13.6			
FH (60°-80°)	2561.0	29.7			G2/5000
FVH (80°-90°)	329.6	3.8			G3/500
BL (0°-30°)	84.3	1.0	B0/110		
BM (30°-60°)	1176.7	13.6	B2/2500		
BH (60°-80°)	2561.0	29.7	B4/5000		G2/5000
BVH (80°-90°)	329.6	3.8			G3/500
UL (90°-100°)	213.9	2.5		U3/500	
UH (100°-180°)	165.9	1.9		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	96.6	96.6	96.6	95.0	93.3	93.3	93.3	93.3	91.7	91.7	91.7
5°	101.5	101.5	99.9	98.2	98.2	96.6	98.2	96.6	96.6	96.6	98.2
7.5°	113.0	113.0	111.3	111.3	111.3	109.7	109.7	109.7	109.7	108.1	109.7
10°	126.1	126.1	126.1	126.1	126.1	124.4	124.4	122.8	122.8	122.8	122.8
12.5°	140.8	139.2	139.2	140.8	139.2	137.5	137.5	137.5	135.9	135.9	135.9
15°	153.9	153.9	152.3	152.3	152.3	150.6	150.6	149.0	149.0	147.4	147.4
17.5°	167.0	167.0	165.4	163.7	163.7	163.7	162.1	162.1	160.4	160.4	160.4
20°	183.4	181.7	180.1	178.5	176.8	176.8	176.8	176.8	175.2	173.5	173.5
22.5°	201.4	199.7	198.1	196.5	196.5	194.8	194.8	193.2	193.2	191.6	189.9
25°	239.0	239.0	232.5	230.9	230.9	232.5	230.9	229.2	225.9	221.0	221.0
27.5°	289.8	291.4	293.1	301.3	299.6	288.2	281.6	278.3	276.7	276.7	278.3
30°	347.1	348.7	353.6	361.8	356.9	342.2	325.8	319.3	324.2	330.7	332.4
32.5°	407.7	407.7	397.8	386.4	374.9	365.1	360.2	356.9	355.3	350.4	350.4
35°	455.2	447.0	415.9	378.2	366.7	373.3	392.9	399.5	374.9	352.0	348.7
37.5°	509.2	507.5	483.0	455.2	433.9	430.6	451.9	458.4	432.2	417.5	415.9
40°	566.5	569.8	574.7	563.2	530.5	520.6	509.2	501.0	501.0	502.6	499.4
42.5°	643.4	648.3	648.3	650.0	623.8	600.9	577.9	564.8	563.2	576.3	581.2
45°	746.6	746.6	735.1	712.2	700.7	684.4	669.6	656.5	650.0	651.6	656.5
47.5°	792.4	795.7	785.9	753.1	744.9	728.6	707.3	702.4	705.6	710.6	712.2
50°	952.9	944.7	877.6	808.8	784.2	800.6	831.7	839.9	808.8	777.7	769.5
52.5°	1234.5	1232.8	1180.4	1129.7	1095.3	1085.5	1128.1	1131.3	1077.3	1054.4	1051.1
55°	1722.4	1704.4	1743.7	1768.2	1696.2	1616.0	1586.5	1545.5	1548.8	1594.7	1596.3
57.5°	2414.9	2424.7	2468.9	2405.1	2295.4	2236.5	2195.5	2118.6	2120.2	2161.1	2164.4
60°	3294.1	3292.5	3151.7	2906.1	2737.5	2748.9	2861.9	2878.3	2703.1	2590.1	2577.0
62.5°	3682.1	3664.1	3547.9	3249.9	2965.0	2960.1	3164.8	3191.0	3069.8	2919.2	2889.7
65°	3389.1	3374.3	3423.5	3321.9	2947.0	2850.4	2912.6	2906.1	2983.0	3051.8	3060.0
67.5°	3017.4	3020.7	3138.6	3107.5	2847.2	2683.4	2604.8	2595.0	2739.1	2899.5	2920.8
70°	2768.6	2768.6	2852.1	2726.0	2601.6	2495.1	2413.3	2362.5	2455.9	2482.0	2480.4
72.5°	2640.9	2629.4	2570.5	2449.3	2354.3	2261.0	2285.6	2247.9	2203.7	2135.0	2128.4
75°	2413.3	2400.2	2318.3	2261.0	2192.3	2076.0	2097.3	2059.6	1986.0	1923.8	1913.9
77.5°	1994.2	1994.2	1941.8	1899.2	1879.5	1779.7	1769.9	1751.8	1678.2	1643.8	1630.7
80°	1427.7	1424.4	1403.1	1388.4	1412.9	1354.0	1327.8	1327.8	1298.3	1267.2	1252.5
82.5°	849.7	838.3	838.3	843.2	828.4	790.8	797.3	835.0	831.7	813.7	800.6
85°	502.6	496.1	491.2	484.6	471.5	445.3	445.3	448.6	451.9	453.5	447.0
87.5°	335.6	334.0	334.0	334.0	319.3	301.3	309.4	314.3	311.1	309.4	307.8
90°	293.1	294.7	293.1	286.5	273.4	257.0	260.3	266.9	263.6	263.6	262.0
92.5°	263.6	263.6	260.3	253.8	240.7	225.9	227.6	230.9	229.2	227.6	225.9
95°	216.1	216.1	212.8	207.9	196.5	183.4	185.0	188.3	185.0	185.0	183.4
97.5°	168.6	168.6	167.0	163.7	153.9	144.1	145.7	147.4	145.7	145.7	144.1
100°	127.7	127.7	126.1	121.2	116.2	108.1	109.7	113.0	111.3	111.3	109.7
102.5°	95.0	95.0	93.3	91.7	85.1	80.2	81.9	81.9	81.9	80.2	80.2
105°	73.7	73.7	73.7	70.4	67.1	62.2	62.2	62.2	62.2	60.6	60.6
107.5°	58.9	57.3	57.3	55.7	52.4	49.1	49.1	49.1	49.1	49.1	49.1
110°	47.5	45.8	44.2	44.2	40.9	39.3	37.7	39.3	39.3	39.3	39.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	40.9	39.3	36.0	36.0	34.4	31.1	31.1	31.1	34.4	32.7	32.7
115°	36.0	34.4	29.5	29.5	27.8	26.2	26.2	26.2	29.5	26.2	26.2
117.5°	31.1	29.5	24.6	24.6	22.9	21.3	21.3	21.3	24.6	21.3	21.3
120°	22.9	22.9	19.6	19.6	19.6	18.0	18.0	18.0	19.6	18.0	18.0
122.5°	18.0	18.0	16.4	16.4	16.4	14.7	14.7	14.7	14.7	13.1	13.1
125°	18.0	21.3	13.1	13.1	11.5	11.5	11.5	9.8	11.5	9.8	9.8
127.5°	19.6	18.0	9.8	9.8	9.8	8.2	8.2	8.2	8.2	8.2	8.2
130°	6.5	9.8	6.5	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9
132.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3
135°	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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	1.6	1.6	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
170°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
175°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)