

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: P588561

Luminaire Tested: **GAT-CA6-LED-90-760-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588561
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-90-760-U-55-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8785 lumens
Efficiency: N/A
Efficacy: 93.6 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

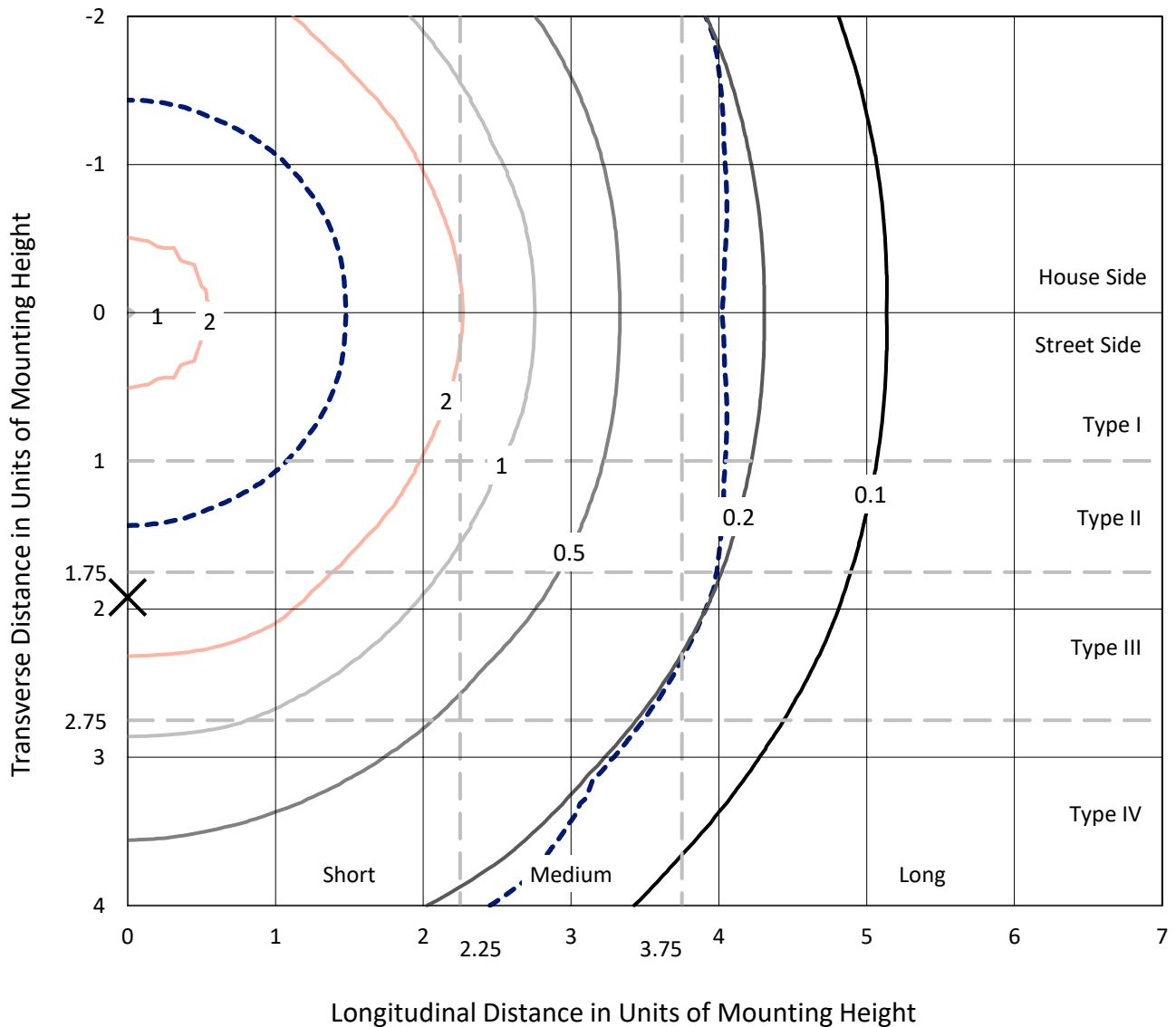
Input Watts (W): 93.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

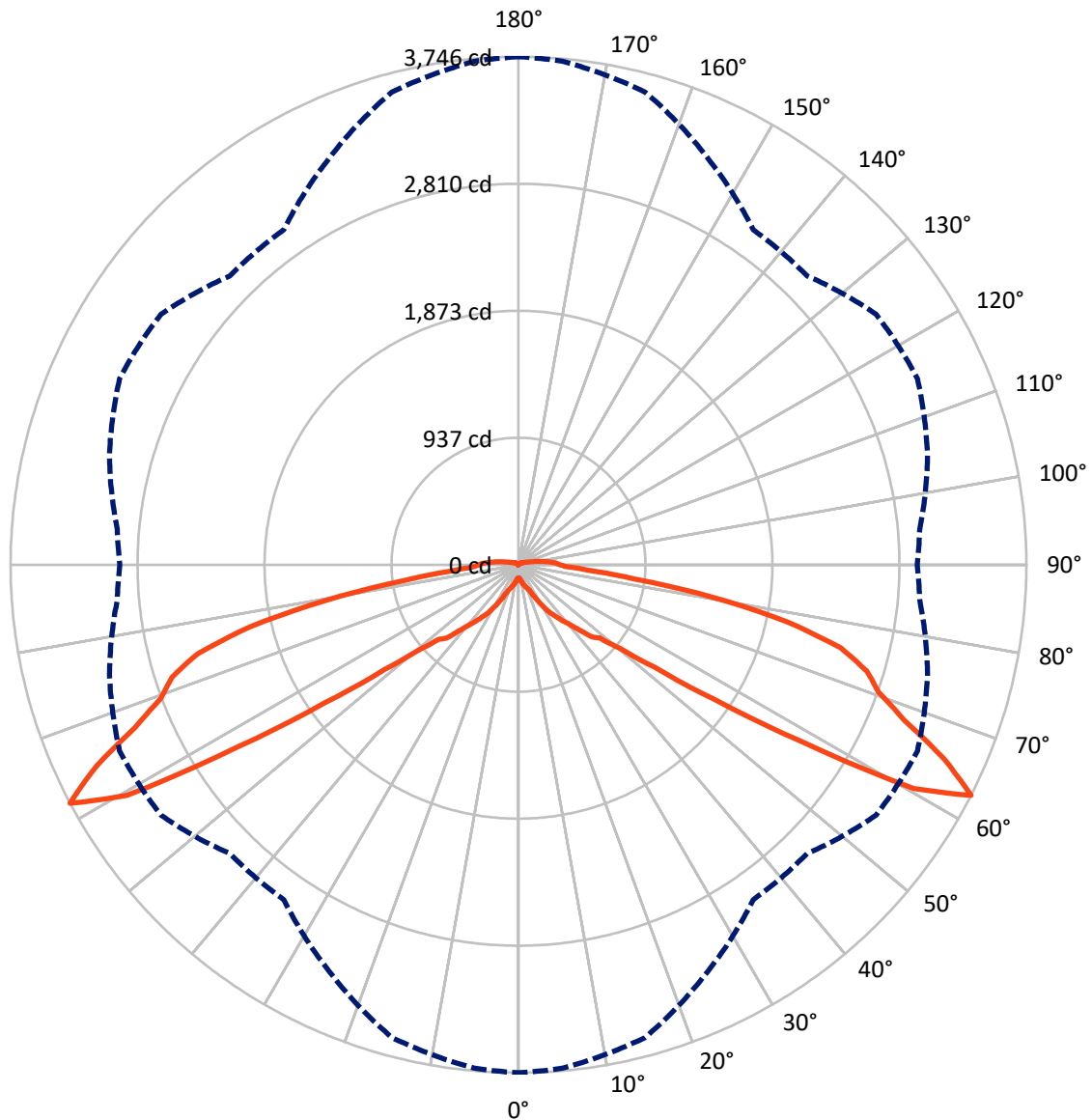
× Max cd
 - - - 1/2 Max cd



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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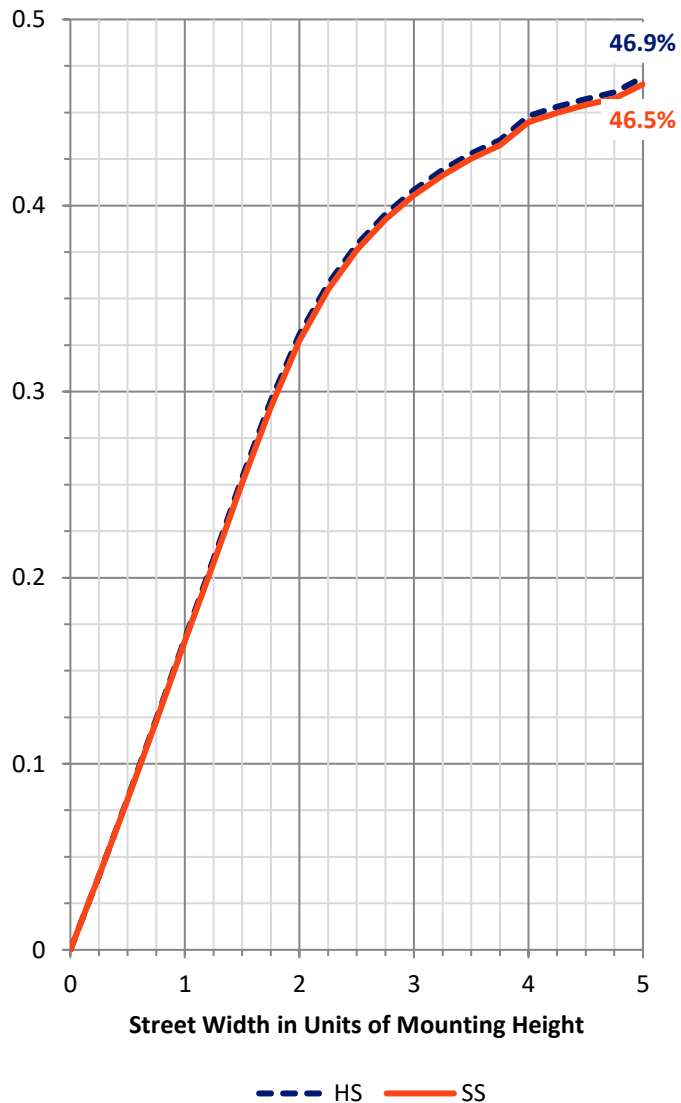
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4223.7	168.8	4392.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	4223.7	168.8	4392.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	8447.4	337.7	8785.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	44.2	0.5
20°-30°	116.8	1.3
30°-40°	265.7	3.0
40°-50°	537.5	6.1
50°-60°	1591.0	18.1
60°-70°	2989.1	34.0
70°-80°	2221.8	25.3
80°-90°	670.7	7.6
90°-100°	217.6	2.5
100°-110°	76.3	0.9
110°-120°	29.5	0.3
120°-130°	11.7	0.1
130°-140°	2.4	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°	8447.4	96.2
0°-180°	8785.0	100.0

Coefficient of Utilization



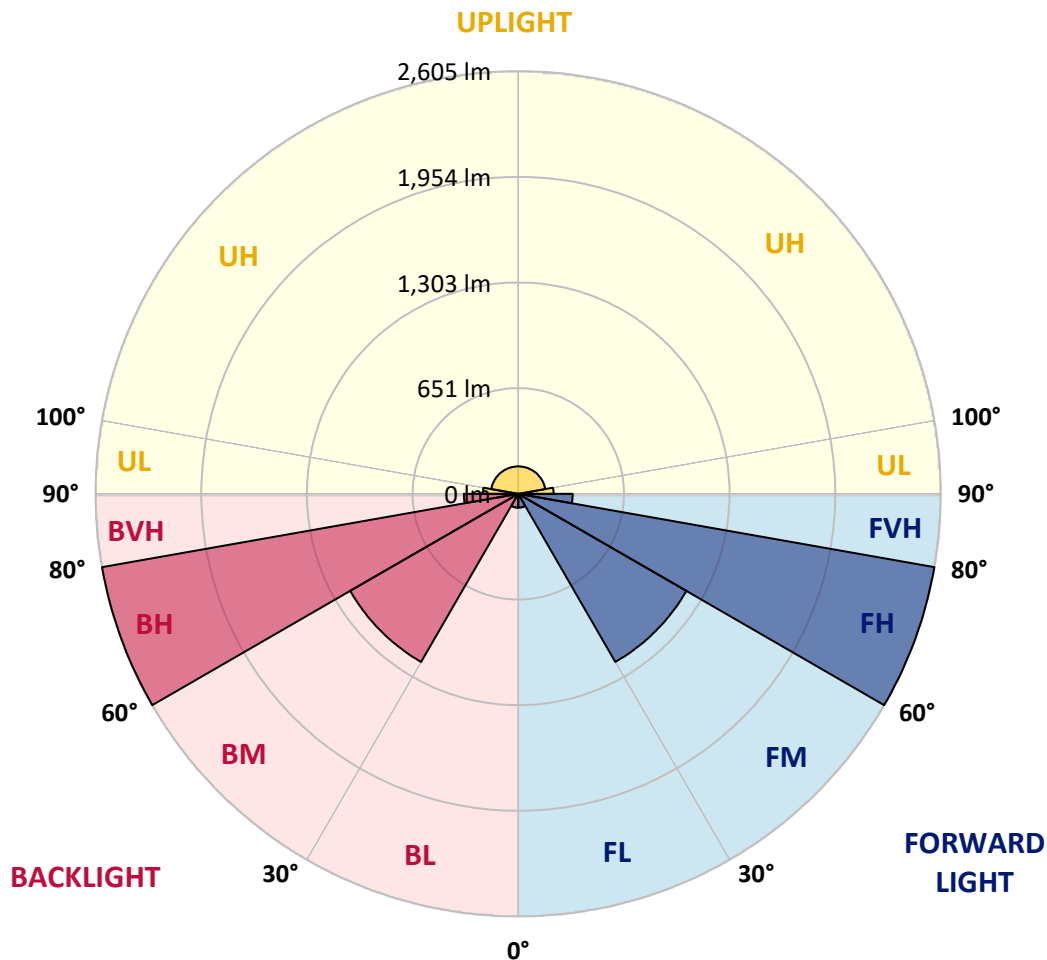
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.8	1.0			
FM (30°-60°)	1197.1	13.6			
FH (60°-80°)	2605.5	29.7			G2/5000
FVH (80°-90°)	335.4	3.8			G3/500
BL (0°-30°)	85.8	1.0	B0/110		
BM (30°-60°)	1197.1	13.6	B2/2500		
BH (60°-80°)	2605.5	29.7	B4/5000		G2/5000
BVH (80°-90°)	335.4	3.8			G3/500
UL (90°-100°)	217.6	2.5		U3/500	
UH (100°-180°)	168.8	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°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2.5°	98.3	98.3	98.3	96.6	94.9	94.9	94.9	94.9	93.3	93.3	93.3
5°	103.3	103.3	101.6	99.9	99.9	98.3	99.9	98.3	98.3	98.3	99.9
7.5°	114.9	114.9	113.3	113.3	113.3	111.6	111.6	111.6	111.6	109.9	111.6
10°	128.3	128.3	128.3	128.3	128.3	126.6	126.6	124.9	124.9	124.9	124.9
12.5°	143.2	141.6	141.6	143.2	141.6	139.9	139.9	139.9	138.3	138.3	138.3
15°	156.6	156.6	154.9	154.9	154.9	153.2	153.2	151.6	151.6	149.9	149.9
17.5°	169.9	169.9	168.2	166.6	166.6	166.6	164.9	164.9	163.2	163.2	163.2
20°	186.6	184.9	183.2	181.6	179.9	179.9	179.9	179.9	178.2	176.6	176.6
22.5°	204.9	203.2	201.5	199.9	199.9	198.2	198.2	196.5	196.5	194.9	193.2
25°	243.2	243.2	236.5	234.9	234.9	236.5	234.9	233.2	229.9	224.9	224.9
27.5°	294.8	296.5	298.2	306.5	304.8	293.2	286.5	283.2	281.5	281.5	283.2
30°	353.1	354.8	359.8	368.1	363.1	348.1	331.5	324.8	329.8	336.5	338.1
32.5°	414.8	414.8	404.8	393.1	381.4	371.4	366.4	363.1	361.5	356.5	356.5
35°	463.1	454.7	423.1	384.8	373.1	379.8	399.8	406.4	381.4	358.1	354.8
37.5°	518.0	516.4	491.4	463.1	441.4	438.1	459.7	466.4	439.7	424.7	423.1
40°	576.3	579.7	584.7	573.0	539.7	529.7	518.0	509.7	509.7	511.4	508.0
42.5°	654.6	659.6	659.6	661.3	634.6	611.3	588.0	574.7	573.0	586.3	591.3
45°	759.5	759.5	747.9	724.6	712.9	696.3	681.3	667.9	661.3	662.9	667.9
47.5°	806.2	809.5	799.5	766.2	757.9	741.2	719.6	714.6	717.9	722.9	724.6
50°	969.4	961.1	892.8	822.8	797.9	814.5	846.2	854.5	822.8	791.2	782.9
52.5°	1255.9	1254.3	1201.0	1149.3	1114.3	1104.3	1147.7	1151.0	1096.0	1072.7	1069.4
55°	1752.3	1734.0	1773.9	1798.9	1725.6	1644.0	1614.0	1572.4	1575.7	1622.4	1624.0
57.5°	2456.9	2466.9	2511.8	2446.9	2335.3	2275.3	2233.7	2155.4	2157.0	2198.7	2202.0
60°	3351.3	3349.7	3206.4	2956.6	2785.0	2796.7	2911.6	2928.3	2750.0	2635.1	2621.8
62.5°	3746.1	3727.8	3609.5	3306.4	3016.5	3011.5	3219.7	3246.4	3123.1	2969.9	2939.9
65°	3447.9	3433.0	3482.9	3379.7	2998.2	2899.9	2963.2	2956.6	3034.9	3104.8	3113.1
67.5°	3069.8	3073.2	3193.1	3161.5	2896.6	2730.0	2650.1	2640.1	2786.7	2949.9	2971.6
70°	2816.7	2816.7	2901.6	2773.3	2646.8	2538.5	2455.2	2403.6	2498.5	2525.2	2523.5
72.5°	2686.7	2675.1	2615.1	2491.8	2395.2	2300.3	2325.3	2287.0	2242.0	2172.0	2165.4
75°	2455.2	2441.9	2358.6	2300.3	2230.3	2112.1	2133.7	2095.4	2020.5	1957.2	1947.2
77.5°	2028.8	2028.8	1975.5	1932.2	1912.2	1810.6	1800.6	1782.3	1707.3	1672.3	1659.0
80°	1452.5	1449.1	1427.5	1412.5	1437.5	1377.5	1350.9	1350.9	1320.9	1289.2	1274.2
82.5°	864.5	852.8	852.8	857.8	842.8	804.5	811.2	849.5	846.2	827.8	814.5
85°	511.4	504.7	499.7	493.0	479.7	453.1	453.1	456.4	459.7	461.4	454.7
87.5°	341.5	339.8	339.8	339.8	324.8	306.5	314.8	319.8	316.5	314.8	313.1
90°	298.2	299.8	298.2	291.5	278.2	261.5	264.8	271.5	268.2	268.2	266.5
92.5°	268.2	268.2	264.8	258.2	244.9	229.9	231.5	234.9	233.2	231.5	229.9
95°	219.9	219.9	216.5	211.5	199.9	186.6	188.2	191.6	188.2	188.2	186.6
97.5°	171.6	171.6	169.9	166.6	156.6	146.6	148.2	149.9	148.2	148.2	146.6
100°	129.9	129.9	128.3	123.3	118.3	109.9	111.6	114.9	113.3	113.3	111.6
102.5°	96.6	96.6	94.9	93.3	86.6	81.6	83.3	83.3	83.3	81.6	81.6
105°	75.0	75.0	75.0	71.6	68.3	63.3	63.3	63.3	63.3	61.6	61.6
107.5°	60.0	58.3	58.3	56.6	53.3	50.0	50.0	50.0	50.0	50.0	50.0
110°	48.3	46.6	45.0	45.0	41.6	40.0	38.3	40.0	40.0	40.0	40.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	41.6	40.0	36.6	36.6	35.0	31.6	31.6	31.6	35.0	33.3	33.3
115°	36.6	35.0	30.0	30.0	28.3	26.7	26.7	26.7	30.0	26.7	26.7
117.5°	31.6	30.0	25.0	25.0	23.3	21.7	21.7	21.7	25.0	21.7	21.7
120°	23.3	23.3	20.0	20.0	20.0	18.3	18.3	18.3	20.0	18.3	18.3
122.5°	18.3	18.3	16.7	16.7	16.7	15.0	15.0	15.0	15.0	13.3	13.3
125°	18.3	21.7	13.3	13.3	11.7	11.7	11.7	10.0	11.7	10.0	10.0
127.5°	20.0	18.3	10.0	10.0	10.0	8.3	8.3	8.3	8.3	8.3	8.3
130°	6.7	10.0	6.7	6.7	6.7	6.7	6.7	6.7	5.0	5.0	5.0
132.5°	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3	3.3
135°	3.3	3.3	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7	1.7
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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	1.7	1.7	1.7	1.7	1.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
170°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
175°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)