

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: P588441

Luminaire Tested: **GAT-CA6-LED-130-760-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588441
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-130-760-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: 11503 lumens
Efficiency: N/A
Efficacy: 92.5 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

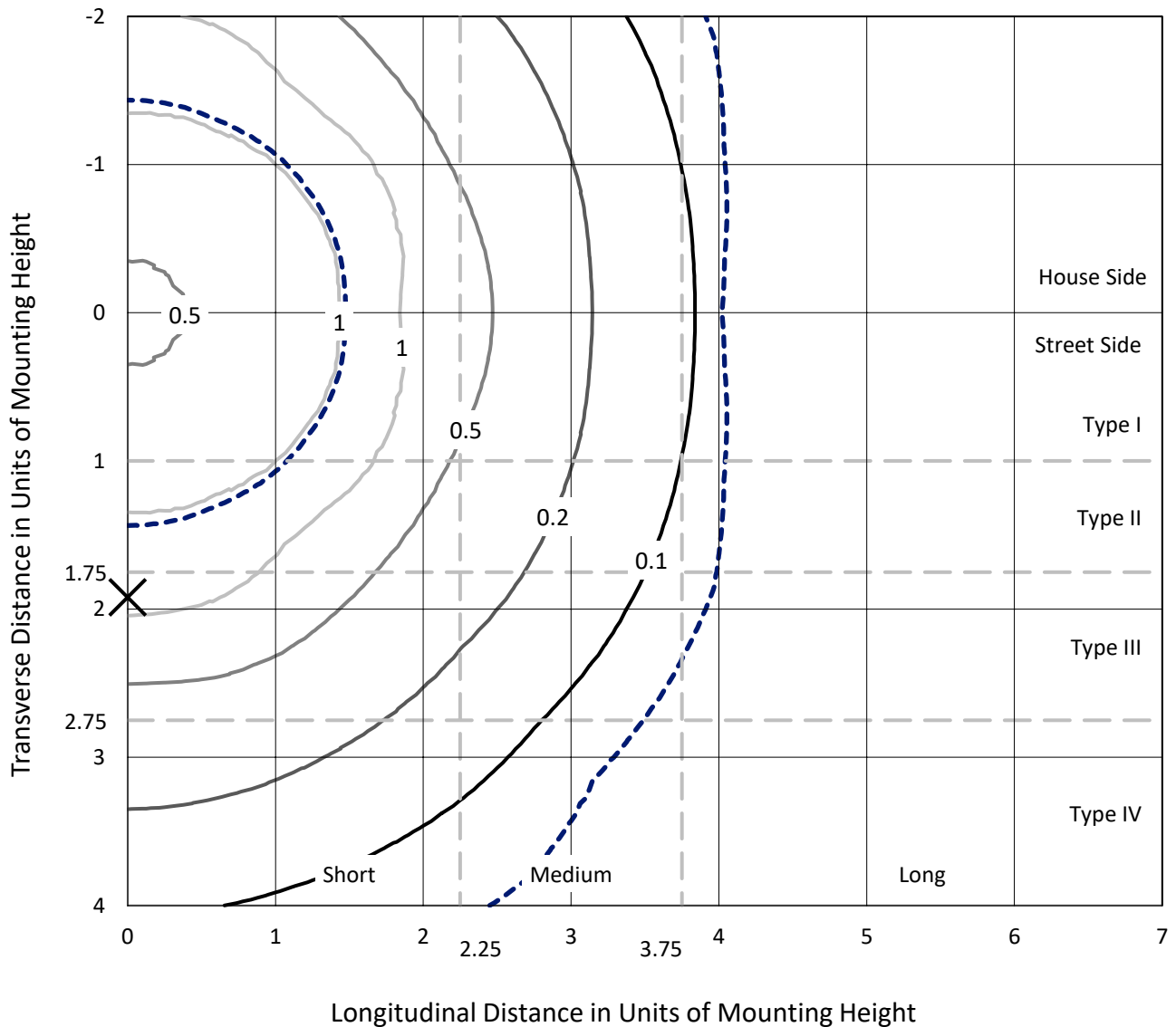
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GAT-CA6-LED-130-760-U-55-5-6-X

Iso-Footcandle Lines of Horizontal Illumination

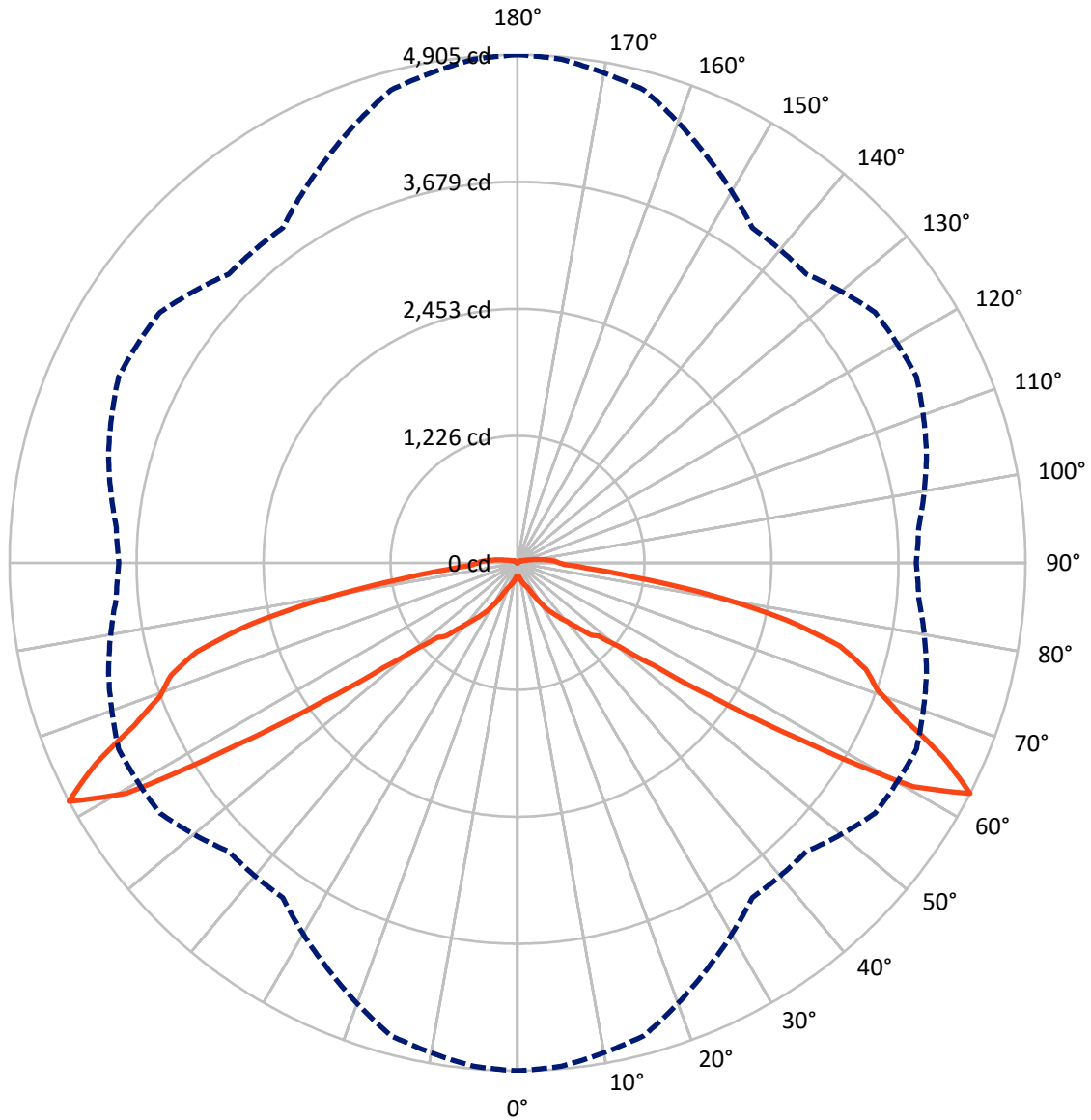
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P588441
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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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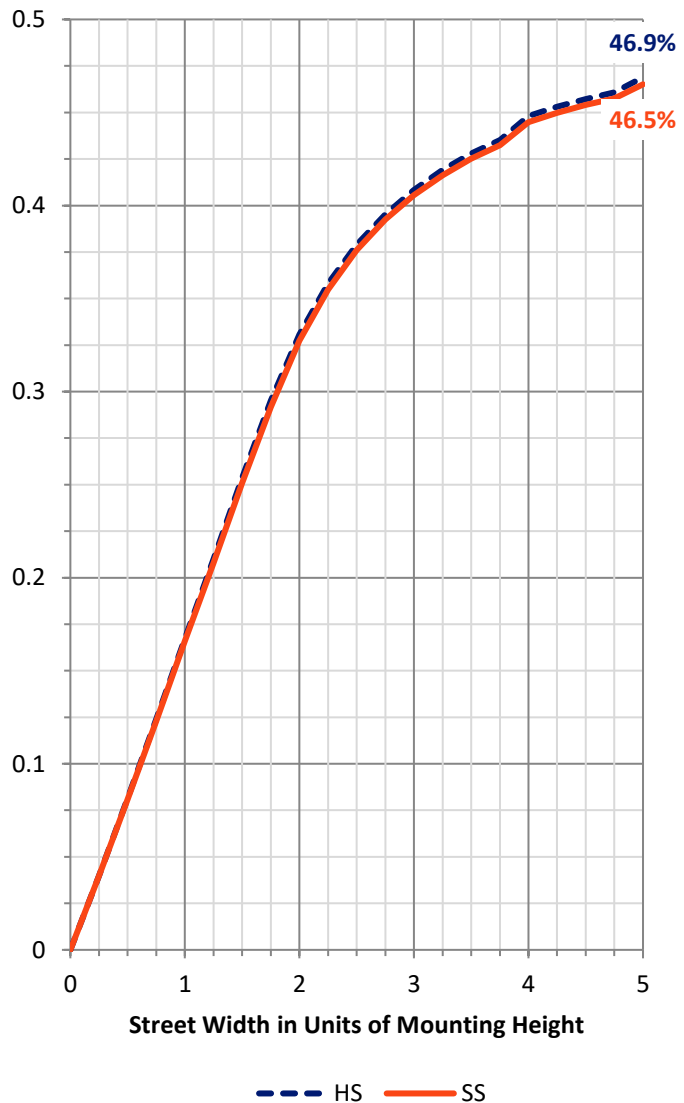
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5530.5	221.0	5751.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	5530.5	221.0	5751.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	11060.9	442.1	11503.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	57.9	0.5
20°-30°	152.9	1.3
30°-40°	347.9	3.0
40°-50°	703.8	6.1
50°-60°	2083.3	18.1
60°-70°	3913.9	34.0
70°-80°	2909.2	25.3
80°-90°	878.2	7.6
90°-100°	285.0	2.5
100°-110°	99.8	0.9
110°-120°	38.6	0.3
120°-130°	15.3	0.1
130°-140°	3.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.2	0.0
170°-180°	0.2	0.0
0°-90°	11060.9	96.2
0°-180°	11503.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588441

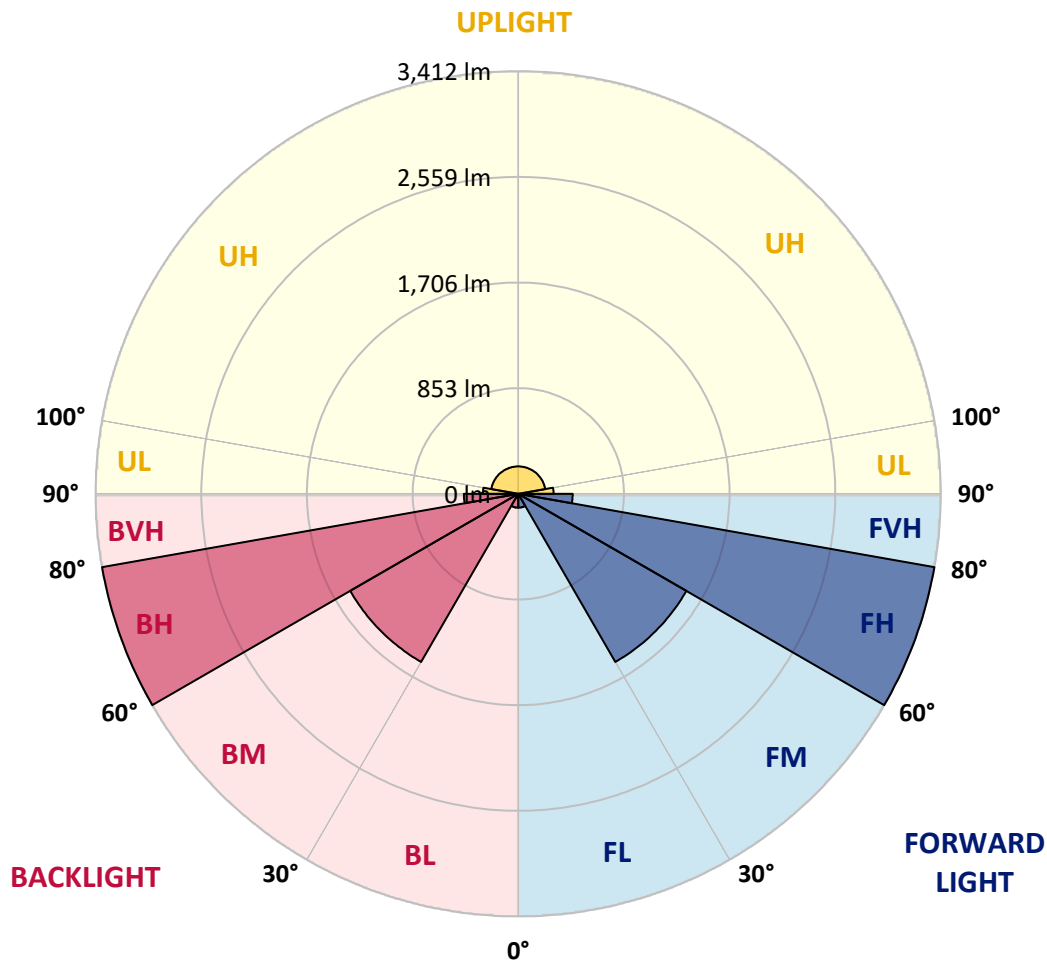
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.3	1.0			
FM (30°-60°)	1567.5	13.6			
FH (60°-80°)	3411.6	29.7			G2/5000
FVH (80°-90°)	439.1	3.8			G3/500
BL (0°-30°)	112.3	1.0	B1/500		
BM (30°-60°)	1567.5	13.6	B2/2500		
BH (60°-80°)	3411.6	29.7	B4/5000		G2/5000
BVH (80°-90°)	439.1	3.8			G3/500
UL (90°-100°)	285.0	2.5		U3/500	
UH (100°-180°)	221.0	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°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	128.7	128.7	128.7	126.5	124.3	124.3	124.3	124.3	122.1	122.1	122.1
5°	135.2	135.2	133.0	130.9	130.9	128.7	130.9	128.7	128.7	128.7	130.9
7.5°	150.5	150.5	148.3	148.3	148.3	146.1	146.1	146.1	146.1	143.9	146.1
10°	167.9	167.9	167.9	167.9	167.9	165.8	165.8	163.6	163.6	163.6	163.6
12.5°	187.6	185.4	185.4	187.6	185.4	183.2	183.2	183.2	181.0	181.0	181.0
15°	205.0	205.0	202.8	202.8	202.8	200.7	200.7	198.5	198.5	196.3	196.3
17.5°	222.5	222.5	220.3	218.1	218.1	218.1	215.9	215.9	213.7	213.7	213.7
20°	244.3	242.1	239.9	237.7	235.6	235.6	235.6	235.6	233.4	231.2	231.2
22.5°	268.3	266.1	263.9	261.7	261.7	259.5	259.5	257.4	257.4	255.2	253.0
25°	318.4	318.4	309.7	307.5	307.5	309.7	307.5	305.3	301.0	294.4	294.4
27.5°	386.0	388.2	390.4	401.3	399.1	383.9	375.1	370.8	368.6	368.6	370.8
30°	462.4	464.6	471.1	482.0	475.5	455.8	434.0	425.3	431.8	440.6	442.7
32.5°	543.1	543.1	530.0	514.7	499.5	486.4	479.8	475.5	473.3	466.7	466.7
35°	606.3	595.4	554.0	503.8	488.5	497.3	523.4	532.2	499.5	468.9	464.6
37.5°	678.3	676.1	643.4	606.3	578.0	573.6	602.0	610.7	575.8	556.2	554.0
40°	754.6	759.0	765.5	750.3	706.7	693.6	678.3	667.4	667.4	669.6	665.2
42.5°	857.1	863.7	863.7	865.9	831.0	800.4	769.9	752.5	750.3	767.7	774.3
45°	994.5	994.5	979.3	948.7	933.5	911.7	892.0	874.6	865.9	868.0	874.6
47.5°	1055.6	1060.0	1046.9	1003.3	992.4	970.6	942.2	935.7	940.0	946.6	948.7
50°	1269.4	1258.4	1169.0	1077.4	1044.7	1066.5	1108.0	1118.9	1077.4	1036.0	1025.1
52.5°	1644.5	1642.3	1572.5	1504.9	1459.1	1446.0	1502.7	1507.1	1435.1	1404.6	1400.2
55°	2294.4	2270.4	2322.8	2355.5	2259.5	2152.7	2113.4	2058.9	2063.2	2124.3	2126.5
57.5°	3217.0	3230.1	3289.0	3203.9	3057.8	2979.3	2924.7	2822.2	2824.4	2878.9	2883.3
60°	4388.2	4386.0	4198.5	3871.3	3646.7	3661.9	3812.4	3834.2	3600.9	3450.4	3432.9
62.5°	4905.1	4881.1	4726.3	4329.3	3949.8	3943.3	4215.9	4250.8	4089.4	3888.8	3849.5
65°	4514.7	4495.1	4560.5	4425.3	3925.8	3797.2	3880.0	3871.3	3973.8	4065.4	4076.3
67.5°	4019.6	4024.0	4181.0	4139.6	3792.8	3574.7	3470.0	3456.9	3648.8	3862.6	3890.9
70°	3688.1	3688.1	3799.3	3631.4	3465.6	3323.9	3214.8	3147.2	3271.5	3306.4	3304.2
72.5°	3518.0	3502.7	3424.2	3262.8	3136.3	3012.0	3044.7	2994.5	2935.7	2844.0	2835.3
75°	3214.8	3197.4	3088.3	3012.0	2920.4	2765.5	2793.9	2743.7	2645.6	2562.7	2549.6
77.5°	2656.5	2656.5	2586.7	2530.0	2503.8	2370.8	2357.7	2333.7	2235.5	2189.7	2172.3
80°	1901.8	1897.5	1869.1	1849.5	1882.2	1803.7	1768.8	1768.8	1729.5	1688.1	1668.5
82.5°	1131.9	1116.7	1116.7	1123.2	1103.6	1053.4	1062.2	1112.3	1108.0	1084.0	1066.5
85°	669.6	660.8	654.3	645.6	628.1	593.2	593.2	597.6	602.0	604.1	595.4
87.5°	447.1	444.9	444.9	444.9	425.3	401.3	412.2	418.8	414.4	412.2	410.0
90°	390.4	392.6	390.4	381.7	364.2	342.4	346.8	355.5	351.1	351.1	349.0
92.5°	351.1	351.1	346.8	338.1	320.6	301.0	303.2	307.5	305.3	303.2	301.0
95°	287.9	287.9	283.5	277.0	261.7	244.3	246.5	250.8	246.5	246.5	244.3
97.5°	224.6	224.6	222.5	218.1	205.0	191.9	194.1	196.3	194.1	194.1	191.9
100°	170.1	170.1	167.9	161.4	154.9	143.9	146.1	150.5	148.3	148.3	146.1
102.5°	126.5	126.5	124.3	122.1	113.4	106.9	109.1	109.1	109.1	106.9	106.9
105°	98.1	98.1	98.1	93.8	89.4	82.9	82.9	82.9	82.9	80.7	80.7
107.5°	78.5	76.3	76.3	74.2	69.8	65.4	65.4	65.4	65.4	65.4	65.4
110°	63.2	61.1	58.9	58.9	54.5	52.3	50.2	52.3	52.3	52.3	52.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	54.5	52.3	48.0	48.0	45.8	41.4	41.4	41.4	45.8	43.6	43.6
115°	48.0	45.8	39.3	39.3	37.1	34.9	34.9	34.9	39.3	34.9	34.9
117.5°	41.4	39.3	32.7	32.7	30.5	28.4	28.4	28.4	32.7	28.4	28.4
120°	30.5	30.5	26.2	26.2	26.2	24.0	24.0	24.0	26.2	24.0	24.0
122.5°	24.0	24.0	21.8	21.8	21.8	19.6	19.6	19.6	19.6	17.4	17.4
125°	24.0	28.4	17.4	17.4	15.3	15.3	15.3	13.1	15.3	13.1	13.1
127.5°	26.2	24.0	13.1	13.1	13.1	10.9	10.9	10.9	10.9	10.9	10.9
130°	8.7	13.1	8.7	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	6.5	6.5	6.5	4.4	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	4.4	4.4	2.2	2.2	2.2	2.2	2.2
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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	2.2	2.2	2.2	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
170°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
175°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)