

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P588481

Luminaire Tested: **GAT-CA6-LED-60-740-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588481
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-60-740-U-55-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6187 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 64.3
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

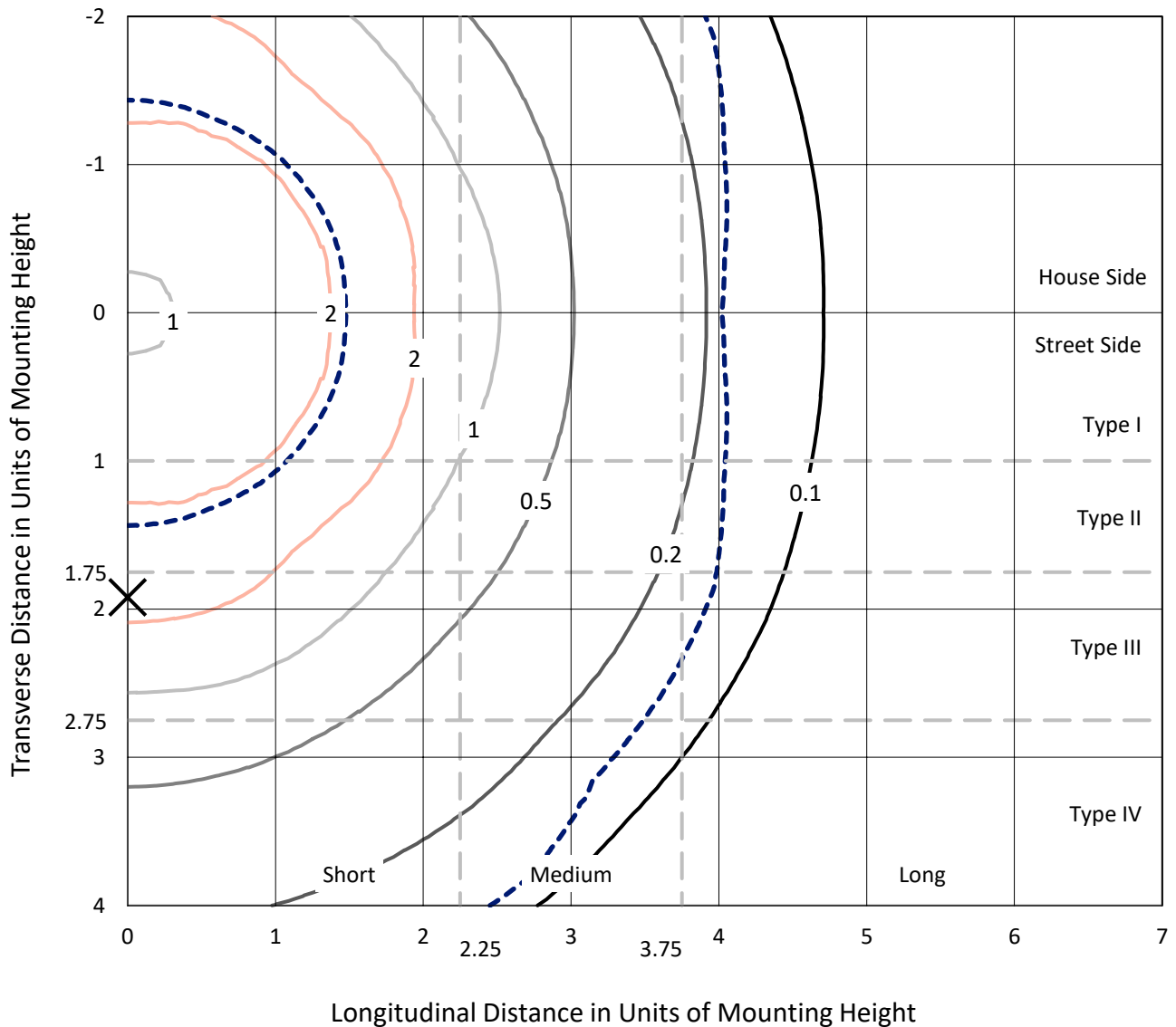


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Iso-Footcandle Lines of Horizontal Illumination

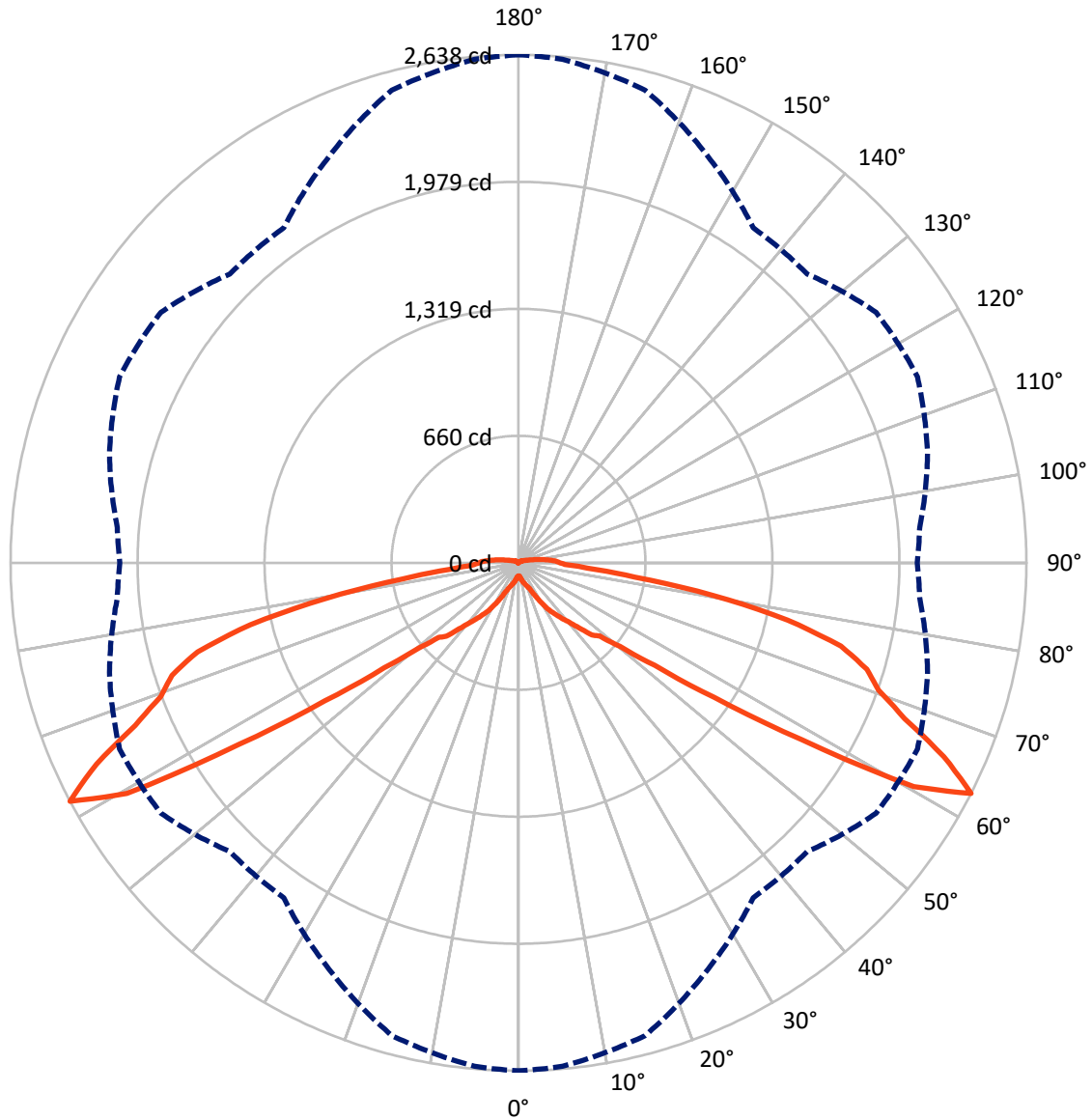
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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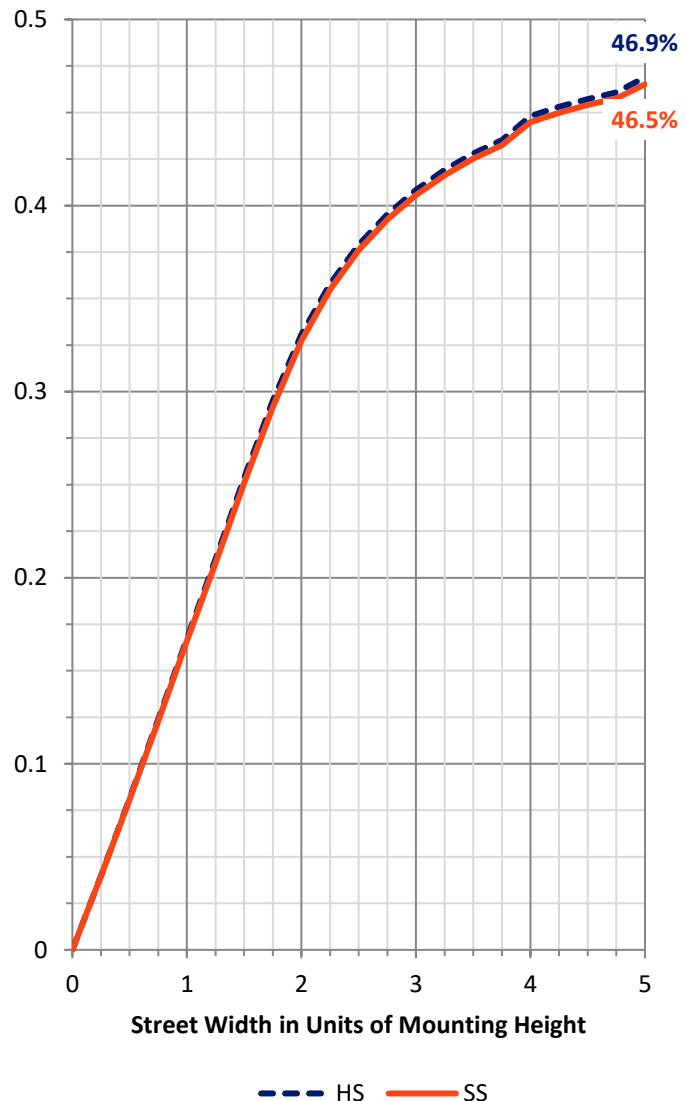
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2974.6	118.9	3093.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	2974.6	118.9	3093.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	5949.2	237.8	6187.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	31.2	0.5
20°-30°	82.3	1.3
30°-40°	187.1	3.0
40°-50°	378.5	6.1
50°-60°	1120.5	18.1
60°-70°	2105.1	34.0
70°-80°	1564.8	25.3
80°-90°	472.4	7.6
90°-100°	153.3	2.5
100°-110°	53.7	0.9
110°-120°	20.8	0.3
120°-130°	8.2	0.1
130°-140°	1.6	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°	5949.2	96.2
0°-180°	6187.0	100.0

Coefficient of Utilization



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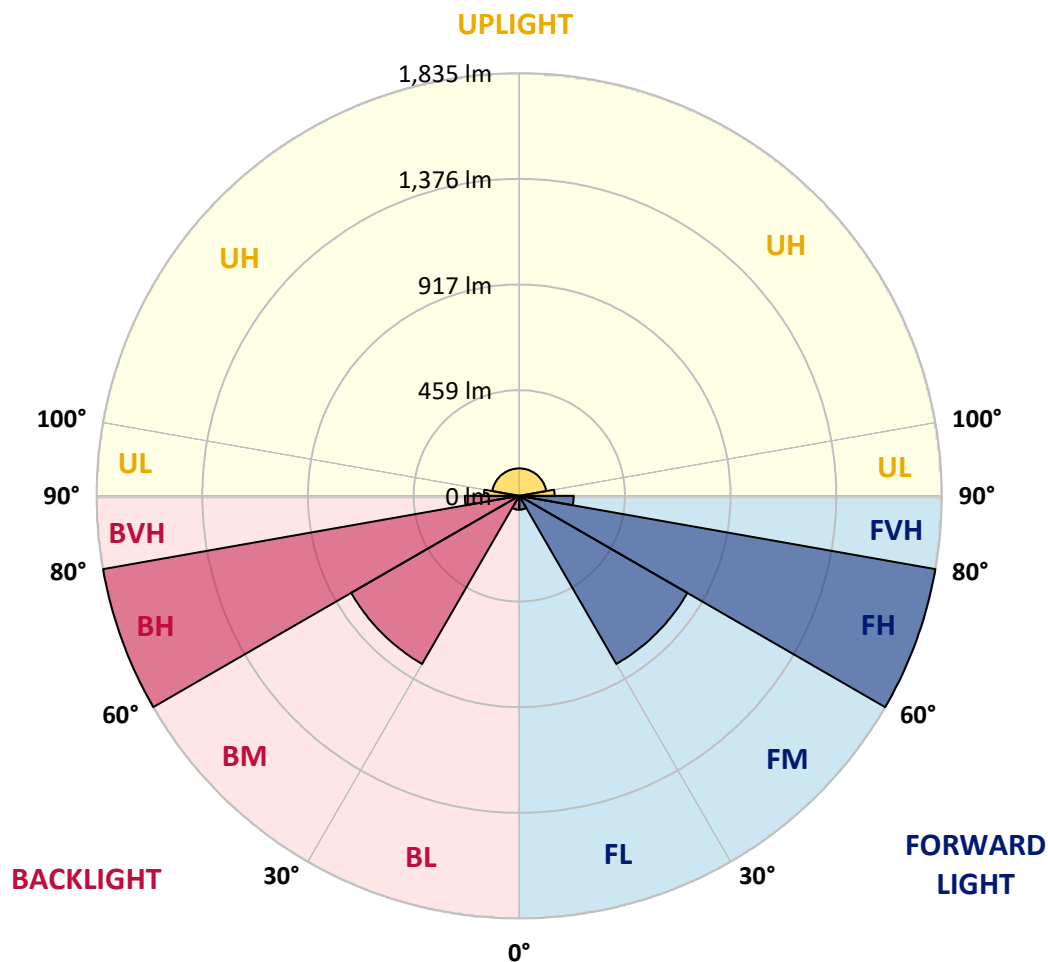
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.4	1.0			
FM (30°-60°)	843.1	13.6			
FH (60°-80°)	1834.9	29.7			G2/5000
FVH (80°-90°)	236.2	3.8			G3/500
BL (0°-30°)	60.4	1.0	B0/110		
BM (30°-60°)	843.1	13.6	B1/1000		
BH (60°-80°)	1834.9	29.7	B3/2500		G2/5000
BVH (80°-90°)	236.2	3.8			G3/500
UL (90°-100°)	153.3	2.5		U3/500	
UH (100°-180°)	118.9	1.9		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2.5°	69.2	69.2	69.2	68.0	66.9	66.9	66.9	66.9	65.7	65.7	65.7
5°	72.7	72.7	71.6	70.4	70.4	69.2	70.4	69.2	69.2	69.2	70.4
7.5°	80.9	80.9	79.8	79.8	79.8	78.6	78.6	78.6	78.6	77.4	78.6
10°	90.3	90.3	90.3	90.3	90.3	89.2	89.2	88.0	88.0	88.0	88.0
12.5°	100.9	99.7	99.7	100.9	99.7	98.5	98.5	98.5	97.4	97.4	97.4
15°	110.3	110.3	109.1	109.1	109.1	107.9	107.9	106.8	106.8	105.6	105.6
17.5°	119.7	119.7	118.5	117.3	117.3	117.3	116.1	116.1	115.0	115.0	115.0
20°	131.4	130.2	129.0	127.9	126.7	126.7	126.7	126.7	125.5	124.3	124.3
22.5°	144.3	143.1	141.9	140.8	140.8	139.6	139.6	138.4	138.4	137.3	136.1
25°	171.3	171.3	166.6	165.4	165.4	166.6	165.4	164.2	161.9	158.4	158.4
27.5°	207.6	208.8	210.0	215.8	214.7	206.5	201.8	199.4	198.3	198.3	199.4
30°	248.7	249.9	253.4	259.3	255.7	245.2	233.4	228.8	232.3	237.0	238.1
32.5°	292.1	292.1	285.1	276.8	268.6	261.6	258.1	255.7	254.6	251.0	251.0
35°	326.1	320.3	298.0	271.0	262.8	267.5	281.5	286.2	268.6	252.2	249.9
37.5°	364.8	363.7	346.1	326.1	310.9	308.5	323.8	328.5	309.7	299.1	298.0
40°	405.9	408.2	411.8	403.5	380.1	373.0	364.8	359.0	359.0	360.1	357.8
42.5°	461.0	464.5	464.5	465.7	446.9	430.5	414.1	404.7	403.5	412.9	416.4
45°	534.9	534.9	526.7	510.3	502.1	490.3	479.8	470.4	465.7	466.9	470.4
47.5°	567.8	570.1	563.1	539.6	533.8	522.0	506.8	503.3	505.6	509.1	510.3
50°	682.7	676.9	628.8	579.5	561.9	573.6	595.9	601.8	579.5	557.2	551.3
52.5°	884.5	883.3	845.8	809.4	784.8	777.8	808.3	810.6	771.9	755.5	753.1
55°	1234.1	1221.2	1249.3	1266.9	1215.3	1157.8	1136.7	1107.4	1109.7	1142.6	1143.8
57.5°	1730.3	1737.3	1769.0	1723.3	1644.7	1602.4	1573.1	1518.0	1519.1	1548.5	1550.8
60°	2360.2	2359.1	2258.2	2082.2	1961.4	1969.6	2050.5	2062.3	1936.8	1855.8	1846.4
62.5°	2638.3	2625.4	2542.1	2328.6	2124.5	2120.9	2267.6	2286.3	2199.5	2091.6	2070.5
65°	2428.3	2417.7	2452.9	2380.2	2111.5	2042.3	2086.9	2082.2	2137.4	2186.6	2192.5
67.5°	2162.0	2164.3	2248.8	2226.5	2040.0	1922.7	1866.4	1859.3	1962.6	2077.5	2092.8
70°	1983.7	1983.7	2043.5	1953.2	1864.0	1787.8	1729.1	1692.8	1759.6	1778.4	1777.2
72.5°	1892.2	1884.0	1841.7	1754.9	1686.9	1620.0	1637.6	1610.6	1579.0	1529.7	1525.0
75°	1729.1	1719.7	1661.1	1620.0	1570.8	1487.5	1502.7	1475.7	1422.9	1378.4	1371.3
77.5°	1428.8	1428.8	1391.3	1360.8	1346.7	1275.1	1268.1	1255.2	1202.4	1177.8	1168.4
80°	1022.9	1020.6	1005.3	994.8	1012.4	970.1	951.4	951.4	930.3	908.0	897.4
82.5°	608.8	600.6	600.6	604.1	593.6	566.6	571.3	598.3	595.9	583.0	573.6
85°	360.1	355.4	351.9	347.2	337.8	319.1	319.1	321.4	323.8	324.9	320.3
87.5°	240.5	239.3	239.3	239.3	228.8	215.8	221.7	225.2	222.9	221.7	220.5
90°	210.0	211.2	210.0	205.3	195.9	184.2	186.5	191.2	188.9	188.9	187.7
92.5°	188.9	188.9	186.5	181.8	172.4	161.9	163.1	165.4	164.2	163.1	161.9
95°	154.8	154.8	152.5	149.0	140.8	131.4	132.6	134.9	132.6	132.6	131.4
97.5°	120.8	120.8	119.7	117.3	110.3	103.2	104.4	105.6	104.4	104.4	103.2
100°	91.5	91.5	90.3	86.8	83.3	77.4	78.6	80.9	79.8	79.8	78.6
102.5°	68.0	68.0	66.9	65.7	61.0	57.5	58.7	58.7	58.7	57.5	57.5
105°	52.8	52.8	52.8	50.4	48.1	44.6	44.6	44.6	44.6	43.4	43.4
107.5°	42.2	41.1	41.1	39.9	37.5	35.2	35.2	35.2	35.2	35.2	35.2
110°	34.0	32.8	31.7	31.7	29.3	28.2	27.0	28.2	28.2	28.2	28.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	29.3	28.2	25.8	25.8	24.6	22.3	22.3	22.3	24.6	23.5	23.5
115°	25.8	24.6	21.1	21.1	19.9	18.8	18.8	18.8	21.1	18.8	18.8
117.5°	22.3	21.1	17.6	17.6	16.4	15.3	15.3	15.3	17.6	15.3	15.3
120°	16.4	16.4	14.1	14.1	14.1	12.9	12.9	12.9	14.1	12.9	12.9
122.5°	12.9	12.9	11.7	11.7	11.7	10.6	10.6	10.6	10.6	9.4	9.4
125°	12.9	15.3	9.4	9.4	8.2	8.2	8.2	7.0	8.2	7.0	7.0
127.5°	14.1	12.9	7.0	7.0	7.0	5.9	5.9	5.9	5.9	5.9	5.9
130°	4.7	7.0	4.7	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5
132.5°	3.5	3.5	3.5	3.5	3.5	3.5	2.3	2.3	2.3	2.3	2.3
135°	2.3	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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	1.2	1.2	1.2	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
170°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)