

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: P588489

Luminaire Tested: **GAT-CA6-LED-60-760-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588489
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-60-760-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: 6167 lumens
Efficiency: N/A
Efficacy: 95.9 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

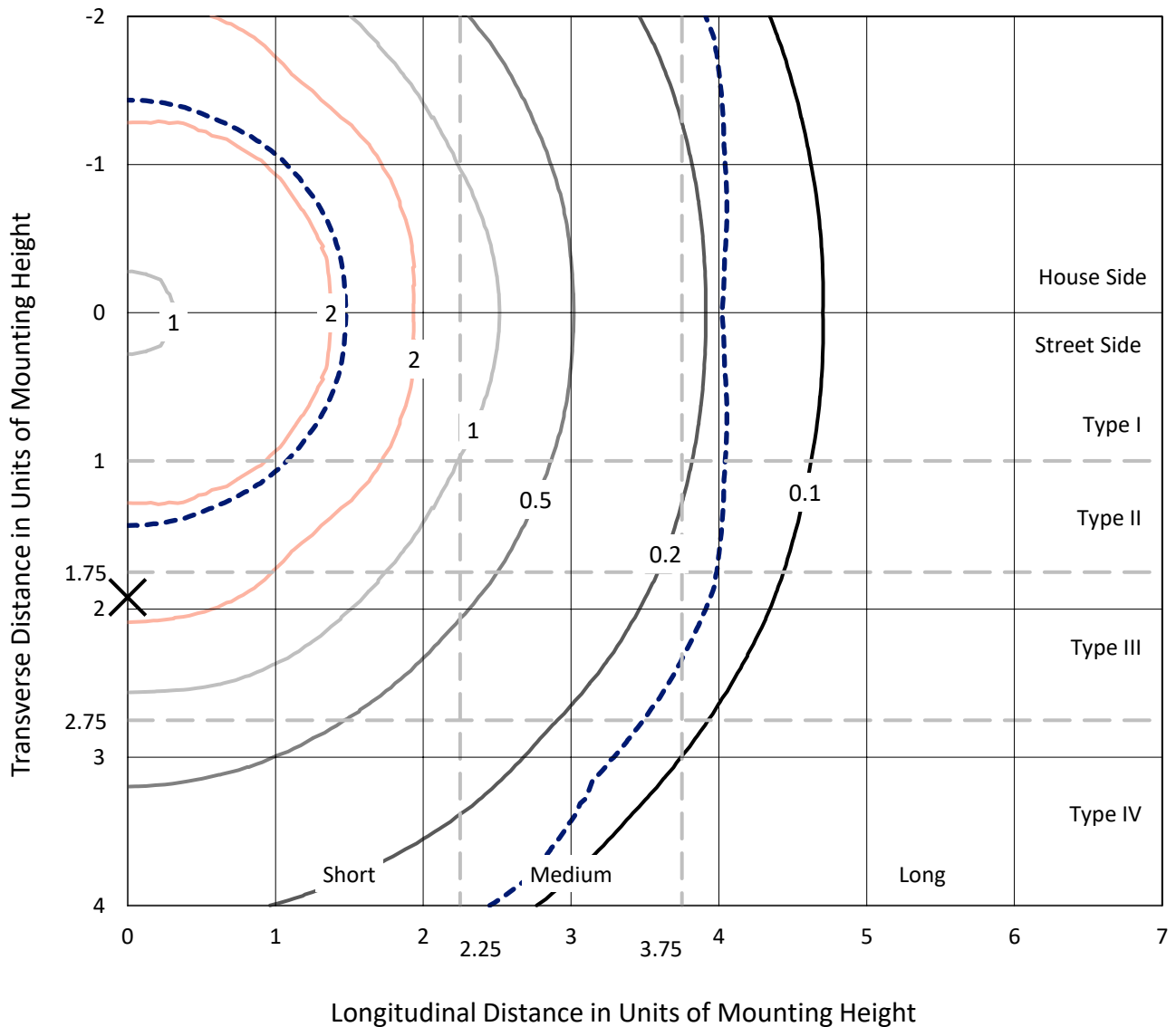
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

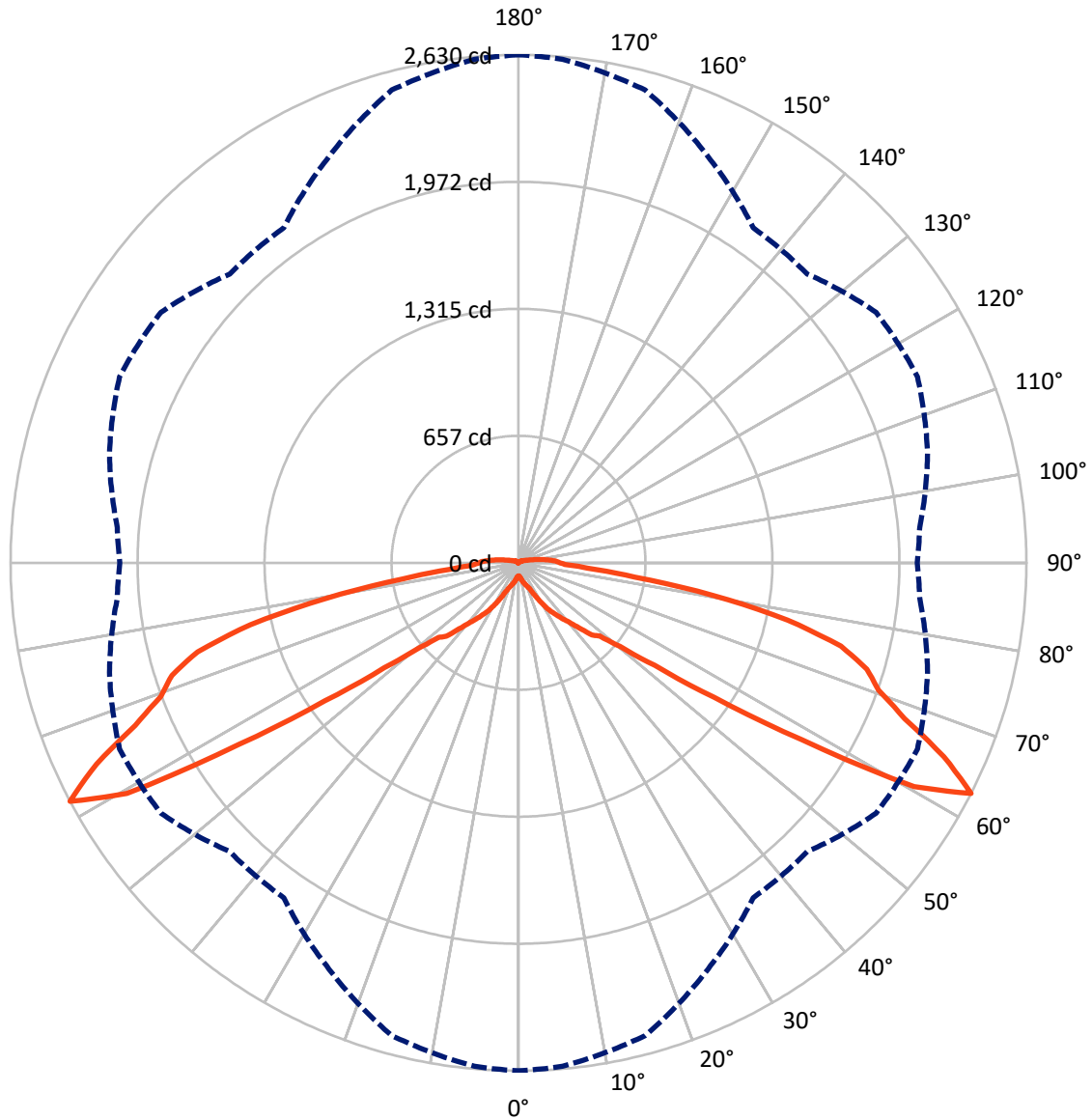
× Max cd
 - - - 1/2 Max cd



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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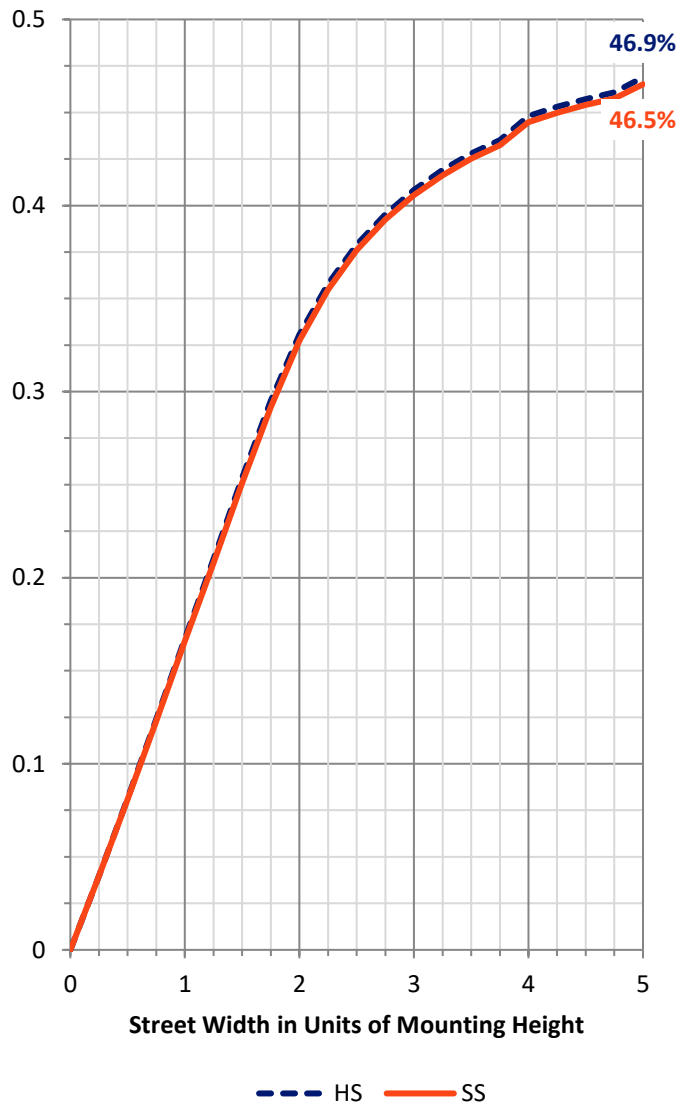
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2965.0	118.5	3083.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	2965.0	118.5	3083.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	5930.0	237.0	6167.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	31.1	0.5
20°-30°	82.0	1.3
30°-40°	186.5	3.0
40°-50°	377.3	6.1
50°-60°	1116.9	18.1
60°-70°	2098.3	34.0
70°-80°	1559.7	25.3
80°-90°	470.8	7.6
90°-100°	152.8	2.5
100°-110°	53.5	0.9
110°-120°	20.7	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°	5930.0	96.2
0°-180°	6167.0	100.0

Coefficient of Utilization



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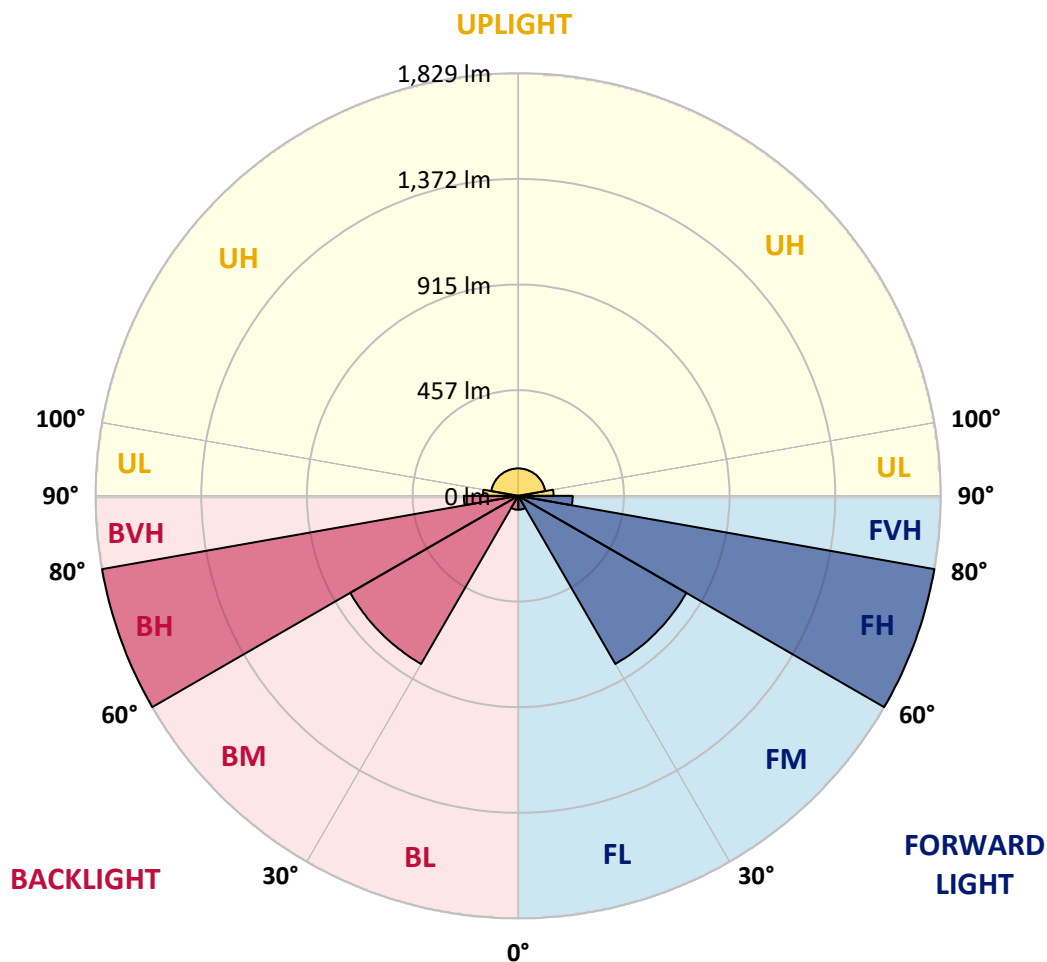
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.2	1.0			
FM (30°-60°)	840.4	13.6			
FH (60°-80°)	1829.0	29.7			G2/5000
FVH (80°-90°)	235.4	3.8			G3/500
BL (0°-30°)	60.2	1.0	B0/110		
BM (30°-60°)	840.4	13.6	B1/1000		
BH (60°-80°)	1829.0	29.7	B3/2500		G2/5000
BVH (80°-90°)	235.4	3.8			G3/500
UL (90°-100°)	152.8	2.5		U3/500	
UH (100°-180°)	118.5	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°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	69.0	69.0	69.0	67.8	66.6	66.6	66.6	66.6	65.5	65.5	65.5
5°	72.5	72.5	71.3	70.2	70.2	69.0	70.2	69.0	69.0	69.0	70.2
7.5°	80.7	80.7	79.5	79.5	79.5	78.3	78.3	78.3	78.3	77.2	78.3
10°	90.0	90.0	90.0	90.0	90.0	88.9	88.9	87.7	87.7	87.7	87.7
12.5°	100.6	99.4	99.4	100.6	99.4	98.2	98.2	98.2	97.1	97.1	97.1
15°	109.9	109.9	108.7	108.7	108.7	107.6	107.6	106.4	106.4	105.2	105.2
17.5°	119.3	119.3	118.1	116.9	116.9	116.9	115.8	115.8	114.6	114.6	114.6
20°	131.0	129.8	128.6	127.5	126.3	126.3	126.3	126.3	125.1	123.9	123.9
22.5°	143.8	142.7	141.5	140.3	140.3	139.1	139.1	138.0	138.0	136.8	135.6
25°	170.7	170.7	166.0	164.9	164.9	166.0	164.9	163.7	161.4	157.9	157.9
27.5°	207.0	208.1	209.3	215.1	214.0	205.8	201.1	198.8	197.6	197.6	198.8
30°	247.9	249.1	252.6	258.4	254.9	244.4	232.7	228.0	231.5	236.2	237.4
32.5°	291.2	291.2	284.1	276.0	267.8	260.8	257.2	254.9	253.7	250.2	250.2
35°	325.1	319.2	297.0	270.1	261.9	266.6	280.6	285.3	267.8	251.4	249.1
37.5°	363.6	362.5	344.9	325.1	309.9	307.5	322.7	327.4	308.7	298.2	297.0
40°	404.6	406.9	410.4	402.2	378.9	371.8	363.6	357.8	357.8	359.0	356.6
42.5°	459.5	463.0	463.0	464.2	445.5	429.1	412.8	403.4	402.2	411.6	415.1
45°	533.2	533.2	525.0	508.6	500.5	488.8	478.2	468.9	464.2	465.4	468.9
47.5°	565.9	568.3	561.3	537.9	532.0	520.3	505.1	501.6	504.0	507.5	508.6
50°	680.5	674.7	626.7	577.6	560.1	571.8	594.0	599.8	577.6	555.4	549.6
52.5°	881.6	880.5	843.1	806.8	782.3	775.2	805.6	808.0	769.4	753.0	750.7
55°	1230.1	1217.2	1245.3	1262.8	1211.4	1154.1	1133.0	1103.8	1106.1	1138.9	1140.1
57.5°	1724.7	1731.7	1763.3	1717.7	1639.3	1597.3	1568.0	1513.1	1514.2	1543.5	1545.8
60°	2352.6	2351.4	2250.9	2075.5	1955.1	1963.2	2043.9	2055.6	1930.5	1849.8	1840.5
62.5°	2629.7	2616.9	2533.9	2321.0	2117.6	2114.1	2260.2	2278.9	2192.4	2084.8	2063.8
65°	2420.4	2409.9	2445.0	2372.5	2104.7	2035.7	2080.2	2075.5	2130.4	2179.6	2185.4
67.5°	2155.0	2157.3	2241.5	2219.3	2033.4	1916.5	1860.3	1853.3	1956.2	2070.8	2086.0
70°	1977.3	1977.3	2036.9	1946.9	1858.0	1782.0	1723.5	1687.3	1753.9	1772.6	1771.5
72.5°	1886.1	1877.9	1835.8	1749.3	1681.4	1614.8	1632.3	1605.4	1573.9	1524.8	1520.1
75°	1723.5	1714.2	1655.7	1614.8	1565.7	1482.7	1497.9	1471.0	1418.3	1373.9	1366.9
77.5°	1424.2	1424.2	1386.8	1356.4	1342.3	1271.0	1264.0	1251.1	1198.5	1174.0	1164.6
80°	1019.6	1017.3	1002.1	991.6	1009.1	967.0	948.3	948.3	927.2	905.0	894.5
82.5°	606.9	598.7	598.7	602.2	591.7	564.8	569.4	596.3	594.0	581.1	571.8
85°	359.0	354.3	350.8	346.1	336.8	318.0	318.0	320.4	322.7	323.9	319.2
87.5°	239.7	238.5	238.5	238.5	228.0	215.1	221.0	224.5	222.2	221.0	219.8
90°	209.3	210.5	209.3	204.6	195.3	183.6	185.9	190.6	188.3	188.3	187.1
92.5°	188.3	188.3	185.9	181.2	171.9	161.4	162.5	164.9	163.7	162.5	161.4
95°	154.3	154.3	152.0	148.5	140.3	131.0	132.1	134.5	132.1	132.1	131.0
97.5°	120.4	120.4	119.3	116.9	109.9	102.9	104.1	105.2	104.1	104.1	102.9
100°	91.2	91.2	90.0	86.5	83.0	77.2	78.3	80.7	79.5	79.5	78.3
102.5°	67.8	67.8	66.6	65.5	60.8	57.3	58.5	58.5	58.5	57.3	57.3
105°	52.6	52.6	52.6	50.3	47.9	44.4	44.4	44.4	44.4	43.3	43.3
107.5°	42.1	40.9	40.9	39.8	37.4	35.1	35.1	35.1	35.1	35.1	35.1
110°	33.9	32.7	31.6	31.6	29.2	28.1	26.9	28.1	28.1	28.1	28.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	29.2	28.1	25.7	25.7	24.6	22.2	22.2	22.2	24.6	23.4	23.4
115°	25.7	24.6	21.0	21.0	19.9	18.7	18.7	18.7	21.0	18.7	18.7
117.5°	22.2	21.0	17.5	17.5	16.4	15.2	15.2	15.2	17.5	15.2	15.2
120°	16.4	16.4	14.0	14.0	14.0	12.9	12.9	12.9	14.0	12.9	12.9
122.5°	12.9	12.9	11.7	11.7	11.7	10.5	10.5	10.5	10.5	9.4	9.4
125°	12.9	15.2	9.4	9.4	8.2	8.2	8.2	7.0	8.2	7.0	7.0
127.5°	14.0	12.9	7.0	7.0	7.0	5.8	5.8	5.8	5.8	5.8	5.8
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)