

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: P588469

Luminaire Tested: **GAT-CA6-LED-60-722-U-55-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588469
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-60-722-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: 5216 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G2

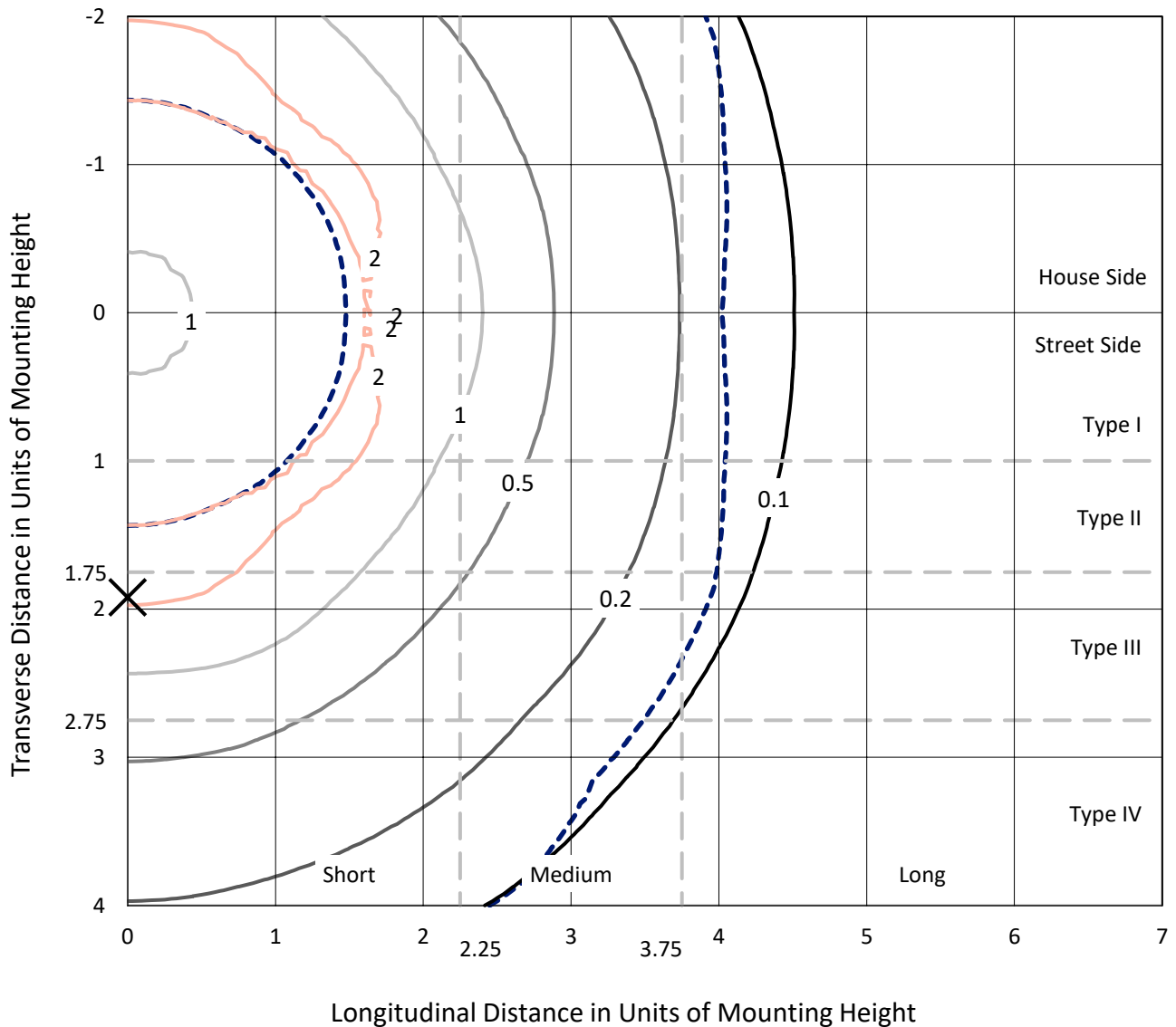
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

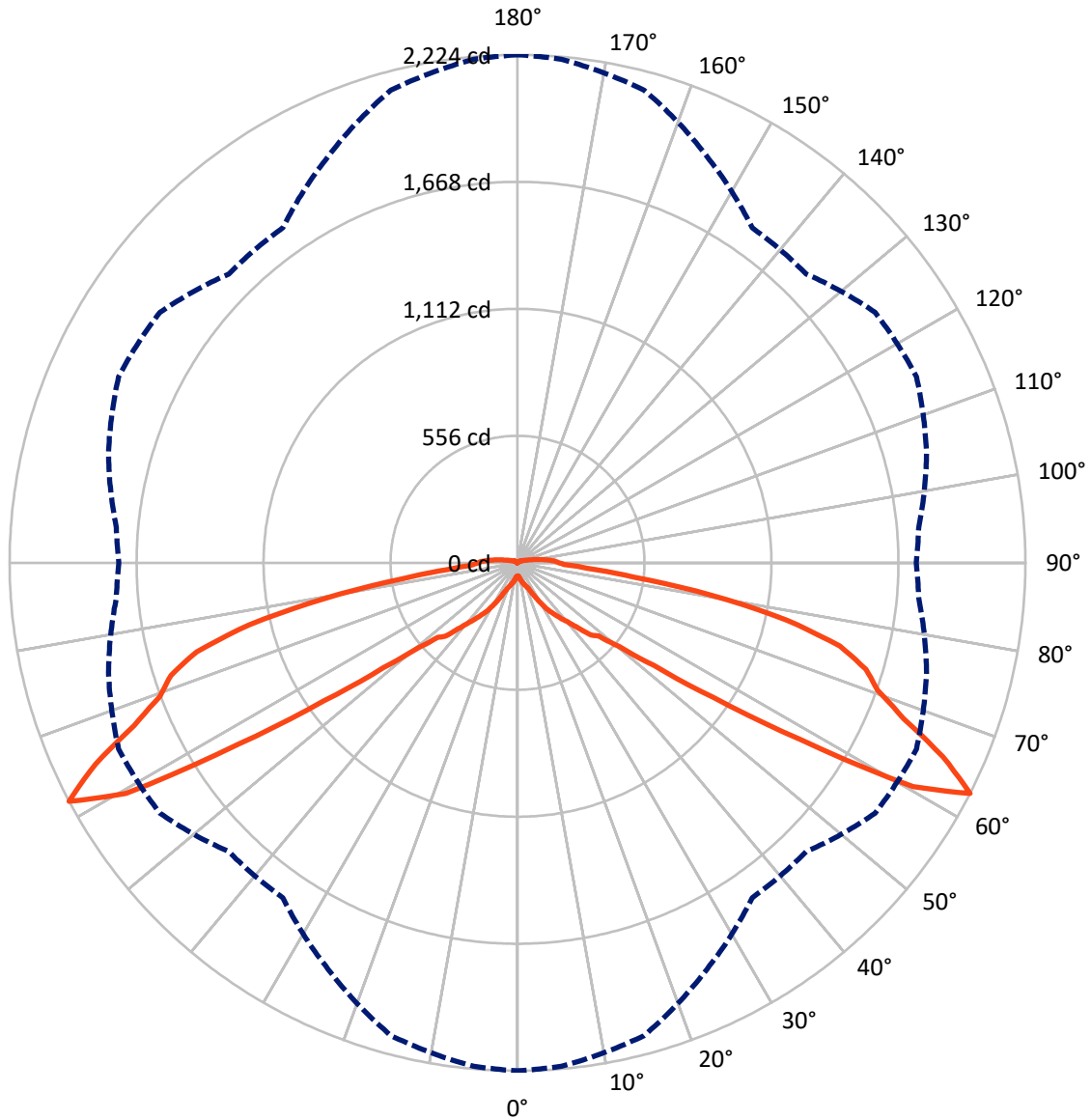
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 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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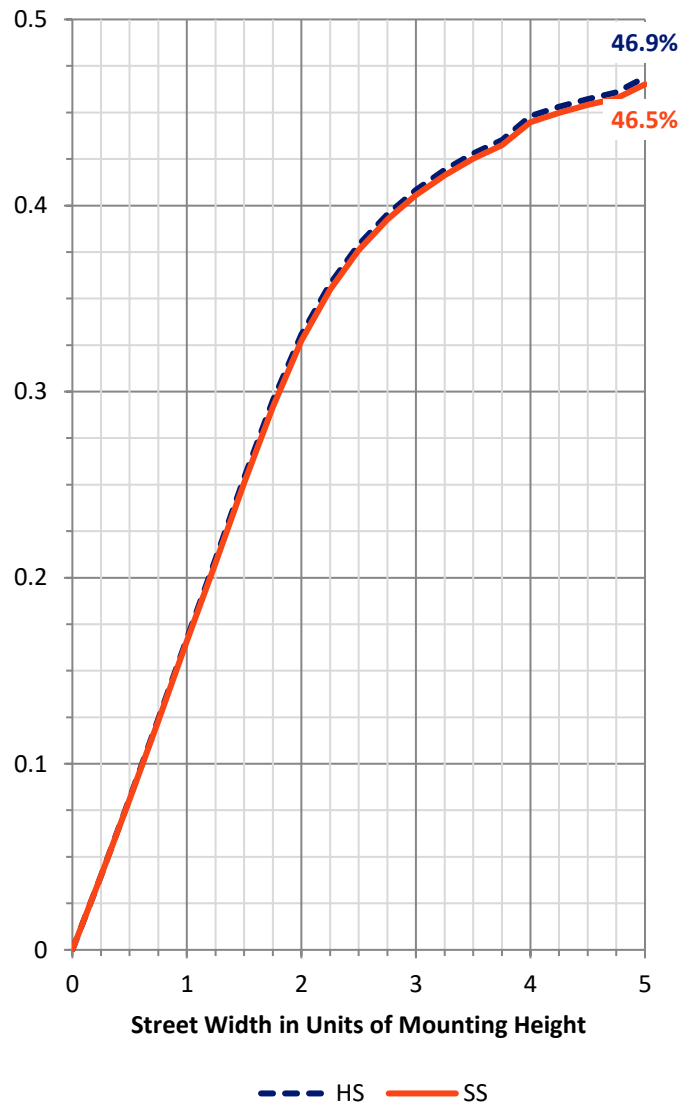
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2507.8	100.2	2608.0
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	2507.8	100.2	2608.0
	% Fixture	48.1	1.9	50.0
Total	Lumens	5015.5	200.5	5216.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	26.3	0.5
20°-30°	69.3	1.3
30°-40°	157.8	3.0
40°-50°	319.1	6.1
50°-60°	944.7	18.1
60°-70°	1774.7	34.0
70°-80°	1319.2	25.3
80°-90°	398.2	7.6
90°-100°	129.2	2.5
100°-110°	45.3	0.9
110°-120°	17.5	0.3
120°-130°	6.9	0.1
130°-140°	1.4	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°	5015.5	96.2
0°-180°	5216.0	100.0

Coefficient of Utilization



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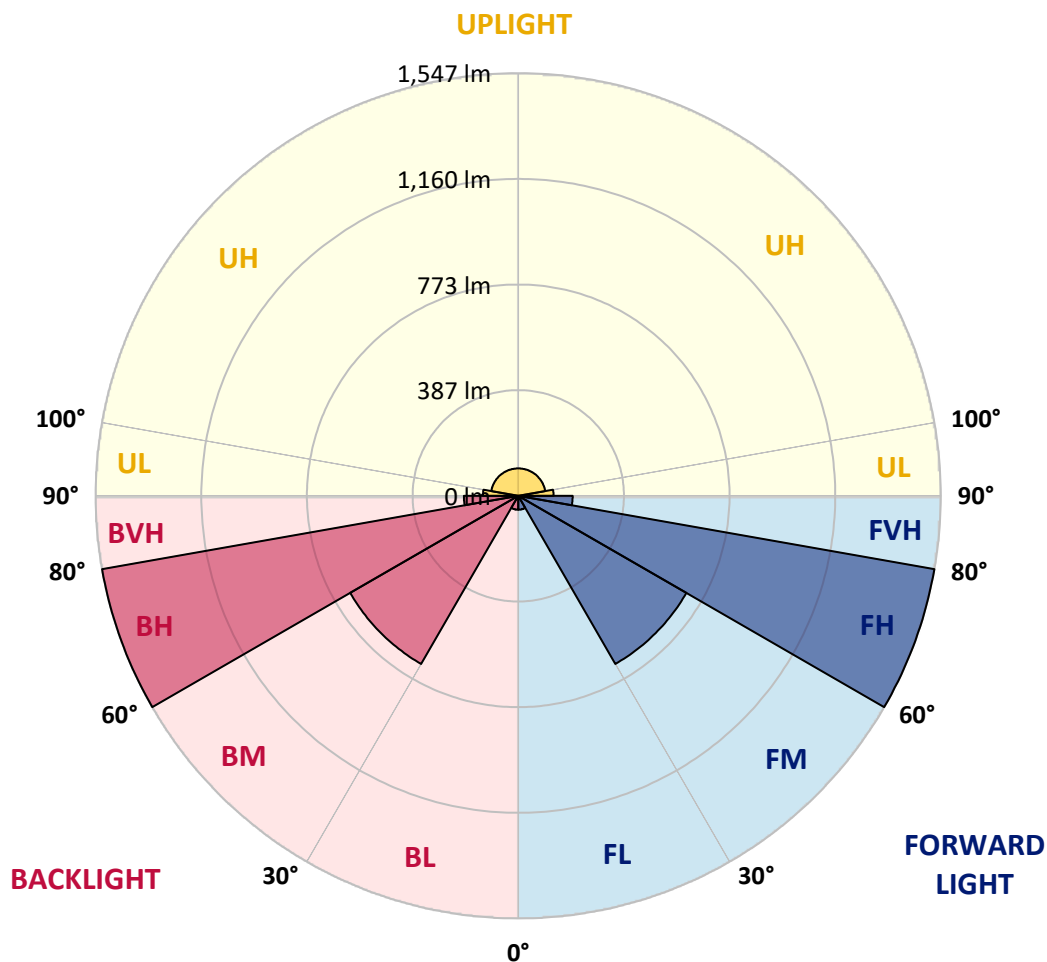
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.9	1.0			
FM (30°-60°)	710.8	13.6			
FH (60°-80°)	1547.0	29.7			G1/1800
FVH (80°-90°)	199.1	3.8			G2/225
BL (0°-30°)	50.9	1.0	B0/110		
BM (30°-60°)	710.8	13.6	B1/1000		
BH (60°-80°)	1547.0	29.7	B3/2500		G1/1800
BVH (80°-90°)	199.1	3.8			G2/225
UL (90°-100°)	129.2	2.5		U3/500	
UH (100°-180°)	100.2	1.9		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	58.3	58.3	58.3	57.4	56.4	56.4	56.4	56.4	55.4	55.4	55.4
5°	61.3	61.3	60.3	59.3	59.3	58.3	59.3	58.3	58.3	58.3	59.3
7.5°	68.2	68.2	67.3	67.3	67.3	66.3	66.3	66.3	66.3	65.3	66.3
10°	76.2	76.2	76.2	76.2	76.2	75.2	75.2	74.2	74.2	74.2	74.2
12.5°	85.1	84.1	84.1	85.1	84.1	83.1	83.1	83.1	82.1	82.1	82.1
15°	93.0	93.0	92.0	92.0	92.0	91.0	91.0	90.0	90.0	89.0	89.0
17.5°	100.9	100.9	99.9	98.9	98.9	98.9	97.9	97.9	96.9	96.9	96.9
20°	110.8	109.8	108.8	107.8	106.8	106.8	106.8	106.8	105.8	104.8	104.8
22.5°	121.6	120.7	119.7	118.7	118.7	117.7	117.7	116.7	116.7	115.7	114.7
25°	144.4	144.4	140.4	139.4	139.4	140.4	139.4	138.5	136.5	133.5	133.5
27.5°	175.0	176.0	177.0	182.0	181.0	174.1	170.1	168.1	167.1	167.1	168.1
30°	209.7	210.7	213.6	218.6	215.6	206.7	196.8	192.9	195.8	199.8	200.8
32.5°	246.3	246.3	240.3	233.4	226.5	220.5	217.6	215.6	214.6	211.6	211.6
35°	274.9	270.0	251.2	228.5	221.5	225.5	237.4	241.3	226.5	212.6	210.7
37.5°	307.6	306.6	291.7	274.9	262.1	260.1	273.0	276.9	261.1	252.2	251.2
40°	342.2	344.2	347.1	340.2	320.4	314.5	307.6	302.6	302.6	303.6	301.6
42.5°	388.7	391.6	391.6	392.6	376.8	363.0	349.1	341.2	340.2	348.1	351.1
45°	451.0	451.0	444.1	430.2	423.3	413.4	404.5	396.6	392.6	393.6	396.6
47.5°	478.7	480.6	474.7	454.9	450.0	440.1	427.2	424.3	426.2	429.2	430.2
50°	575.6	570.6	530.1	488.6	473.7	483.6	502.4	507.3	488.6	469.8	464.8
52.5°	745.7	744.7	713.1	682.4	661.6	655.7	681.4	683.4	650.7	636.9	634.9
55°	1040.4	1029.5	1053.3	1068.1	1024.6	976.1	958.3	933.6	935.6	963.3	964.3
57.5°	1458.7	1464.7	1491.4	1452.8	1386.5	1350.9	1326.2	1279.7	1280.7	1305.4	1307.4
60°	1989.8	1988.8	1903.8	1755.4	1653.6	1660.5	1728.7	1738.6	1632.8	1564.6	1556.6
62.5°	2224.2	2213.3	2143.1	1963.1	1791.0	1788.1	1911.7	1927.5	1854.3	1763.3	1745.5
65°	2047.2	2038.3	2068.0	2006.6	1780.2	1721.8	1759.4	1755.4	1801.9	1843.5	1848.4
67.5°	1822.7	1824.7	1895.9	1877.1	1719.8	1620.9	1573.5	1567.5	1654.6	1751.5	1764.3
70°	1672.4	1672.4	1722.8	1646.6	1571.5	1507.2	1457.8	1427.1	1483.5	1499.3	1498.3
72.5°	1595.2	1588.3	1552.7	1479.5	1422.1	1365.8	1380.6	1357.9	1331.2	1289.6	1285.7
75°	1457.8	1449.8	1400.4	1365.8	1324.2	1254.0	1266.9	1244.1	1199.6	1162.0	1156.1
77.5°	1204.6	1204.6	1172.9	1147.2	1135.3	1075.0	1069.1	1058.2	1013.7	992.9	985.0
80°	862.4	860.4	847.6	838.7	853.5	817.9	802.1	802.1	784.3	765.5	756.6
82.5°	513.3	506.4	506.4	509.3	500.4	477.7	481.6	504.4	502.4	491.5	483.6
85°	303.6	299.7	296.7	292.7	284.8	269.0	269.0	271.0	273.0	273.9	270.0
87.5°	202.7	201.8	201.8	201.8	192.9	182.0	186.9	189.9	187.9	186.9	185.9
90°	177.0	178.0	177.0	173.1	165.2	155.3	157.2	161.2	159.2	159.2	158.2
92.5°	159.2	159.2	157.2	153.3	145.4	136.5	137.5	139.4	138.5	137.5	136.5
95°	130.5	130.5	128.6	125.6	118.7	110.8	111.8	113.7	111.8	111.8	110.8
97.5°	101.9	101.9	100.9	98.9	93.0	87.0	88.0	89.0	88.0	88.0	87.0
100°	77.1	77.1	76.2	73.2	70.2	65.3	66.3	68.2	67.3	67.3	66.3
102.5°	57.4	57.4	56.4	55.4	51.4	48.5	49.4	49.4	49.4	48.5	48.5
105°	44.5	44.5	44.5	42.5	40.5	37.6	37.6	37.6	37.6	36.6	36.6
107.5°	35.6	34.6	34.6	33.6	31.6	29.7	29.7	29.7	29.7	29.7	29.7
110°	28.7	27.7	26.7	26.7	24.7	23.7	22.7	23.7	23.7	23.7	23.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	24.7	23.7	21.8	21.8	20.8	18.8	18.8	18.8	20.8	19.8	19.8
115°	21.8	20.8	17.8	17.8	16.8	15.8	15.8	15.8	17.8	15.8	15.8
117.5°	18.8	17.8	14.8	14.8	13.8	12.9	12.9	12.9	14.8	12.9	12.9
120°	13.8	13.8	11.9	11.9	11.9	10.9	10.9	10.9	11.9	10.9	10.9
122.5°	10.9	10.9	9.9	9.9	9.9	8.9	8.9	8.9	8.9	7.9	7.9
125°	10.9	12.9	7.9	7.9	6.9	6.9	6.9	5.9	6.9	5.9	5.9
127.5°	11.9	10.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9
130°	4.0	5.9	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	1.0	1.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)