

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: STREETWORKS

Report Number: P588485

Luminaire Tested: **ARC-CA6-60-750-U-55-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588485
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: STREETWORKS
Catalog Number: ARC-CA6-60-750-U-55-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6301 lumens
Efficiency: N/A
Efficacy: 98.0 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: 25 FT



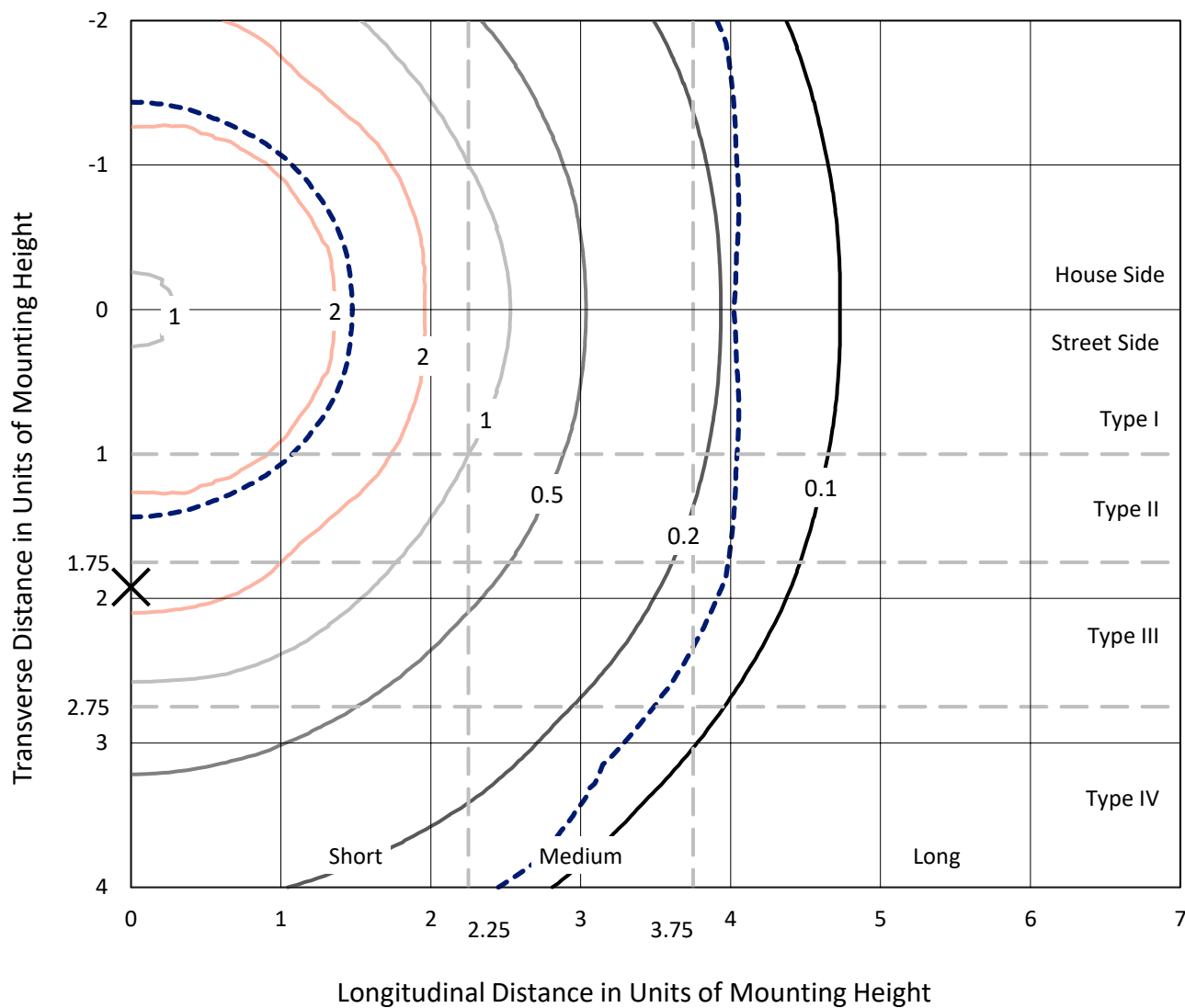
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

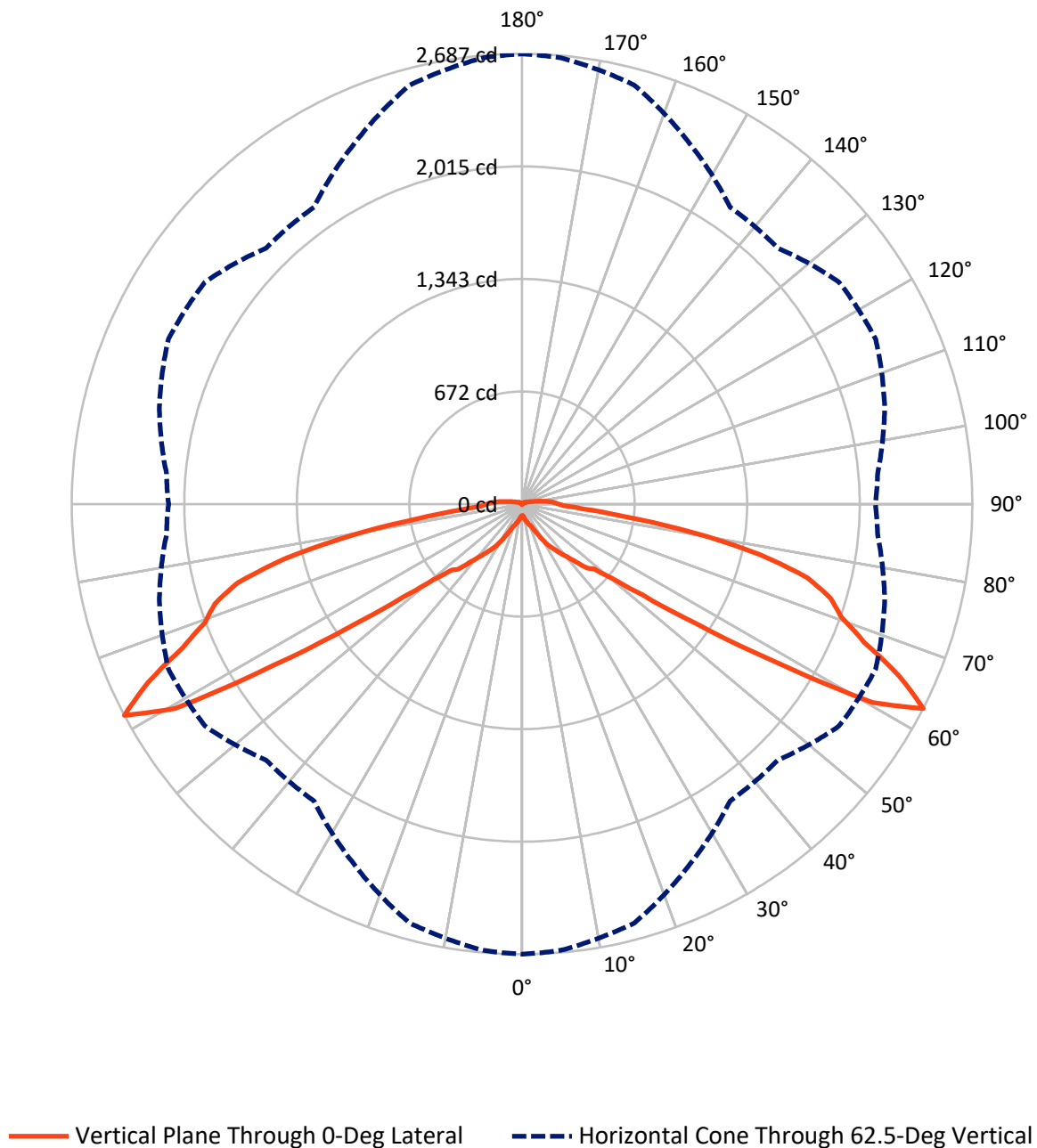


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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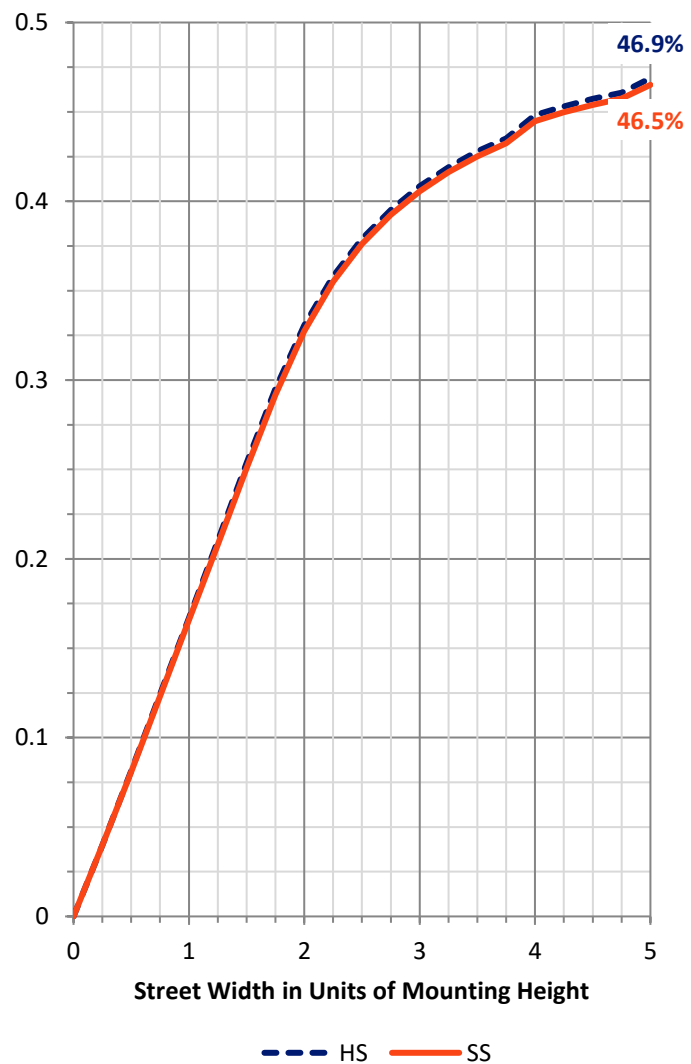
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3029.4	121.1	3150.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	3029.4	121.1	3150.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	6058.9	242.2	6301.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	31.7	0.5
20°-30°	83.8	1.3
30°-40°	190.6	3.0
40°-50°	385.5	6.1
50°-60°	1141.2	18.1
60°-70°	2143.9	34.0
70°-80°	1593.6	25.3
80°-90°	481.1	7.6
90°-100°	156.1	2.5
100°-110°	54.7	0.9
110°-120°	21.1	0.3
120°-130°	8.4	0.1
130°-140°	1.7	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°	6058.9	96.2
0°-180°	6301.0	100.0

Coefficient of Utilization



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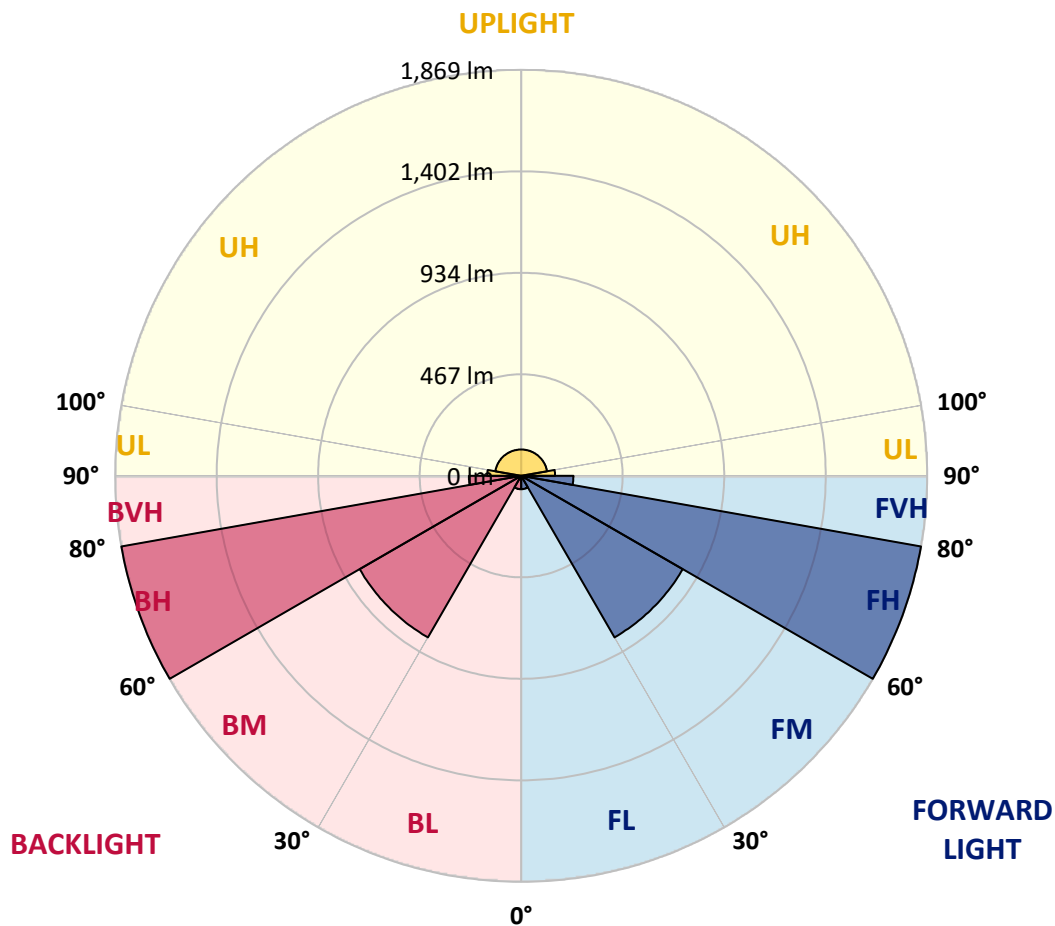
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.5	1.0			
FM	(30°-60°)	858.6	13.6			
FH	(60°-80°)	1868.7	29.7			G2/5000
FVH	(80°-90°)	240.5	3.8			G3/500
BL	(0°-30°)	61.5	1.0	B0/110		
BM	(30°-60°)	858.6	13.6	B1/1000		
BH	(60°-80°)	1868.7	29.7	B3/2500		G2/5000
BVH	(80°-90°)	240.5	3.8			G3/500
UL	(90°-100°)	156.1	2.5		U3/500	
UH	(100°-180°)	121.1	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°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	70.5	70.5	70.5	69.3	68.1	68.1	68.1	68.1	66.9	66.9	66.9
5°	74.1	74.1	72.9	71.7	71.7	70.5	71.7	70.5	70.5	70.5	71.7
7.5°	82.4	82.4	81.2	81.2	81.2	80.0	80.0	80.0	80.0	78.9	80.0
10°	92.0	92.0	92.0	92.0	92.0	90.8	90.8	89.6	89.6	89.6	89.6
12.5°	102.7	101.5	101.5	102.7	101.5	100.4	100.4	100.4	99.2	99.2	99.2
15°	112.3	112.3	111.1	111.1	111.1	109.9	109.9	108.7	108.7	107.5	107.5
17.5°	121.9	121.9	120.7	119.5	119.5	119.5	118.3	118.3	117.1	117.1	117.1
20°	133.8	132.6	131.4	130.2	129.0	129.0	129.0	129.0	127.8	126.6	126.6
22.5°	146.9	145.8	144.6	143.4	143.4	142.2	142.2	141.0	141.0	139.8	138.6
25°	174.4	174.4	169.6	168.5	168.5	169.6	168.5	167.3	164.9	161.3	161.3
27.5°	211.5	212.7	213.9	219.8	218.6	210.3	205.5	203.1	201.9	201.9	203.1
30°	253.3	254.5	258.1	264.0	260.4	249.7	237.7	233.0	236.6	241.3	242.5
32.5°	297.5	297.5	290.3	281.9	273.6	266.4	262.8	260.4	259.2	255.7	255.7
35°	332.1	326.2	303.5	276.0	267.6	272.4	286.7	291.5	273.6	256.9	254.5
37.5°	371.6	370.4	352.4	332.1	316.6	314.2	329.7	334.5	315.4	304.6	303.5
40°	413.4	415.8	419.3	411.0	387.1	379.9	371.6	365.6	365.6	366.8	364.4
42.5°	469.5	473.1	473.1	474.3	455.2	438.5	421.7	412.2	411.0	420.5	424.1
45°	544.8	544.8	536.4	519.7	511.3	499.4	488.6	479.1	474.3	475.5	479.1
47.5°	578.2	580.6	573.5	549.6	543.6	531.6	516.1	512.5	514.9	518.5	519.7
50°	695.3	689.3	640.4	590.2	572.3	584.2	606.9	612.9	590.2	567.5	561.5
52.5°	900.8	899.6	861.4	824.3	799.3	792.1	823.1	825.5	786.1	769.4	767.0
55°	1256.8	1243.7	1272.4	1290.3	1237.7	1179.2	1157.7	1127.8	1130.2	1163.6	1164.8
57.5°	1762.2	1769.3	1801.6	1755.0	1675.0	1632.0	1602.1	1545.9	1547.1	1577.0	1579.4
60°	2403.7	2402.5	2299.8	2120.6	1997.5	2005.9	2088.3	2100.3	1972.4	1890.0	1880.5
62.5°	2686.9	2673.7	2588.9	2371.5	2163.6	2160.0	2309.4	2328.5	2240.1	2130.1	2108.6
65°	2473.0	2462.3	2498.1	2424.0	2150.5	2080.0	2125.4	2120.6	2176.7	2226.9	2232.9
67.5°	2201.8	2204.2	2290.2	2267.5	2077.6	1958.1	1900.8	1893.6	1998.7	2115.8	2131.3
70°	2020.2	2020.2	2081.2	1989.2	1898.4	1820.7	1761.0	1723.9	1792.0	1811.2	1810.0
72.5°	1927.0	1918.7	1875.7	1787.3	1718.0	1649.9	1667.8	1640.3	1608.1	1557.9	1553.1
75°	1761.0	1751.4	1691.7	1649.9	1599.7	1514.9	1530.4	1502.9	1449.2	1403.8	1396.6
77.5°	1455.1	1455.1	1416.9	1385.8	1371.5	1298.6	1291.5	1278.3	1224.6	1199.5	1189.9
80°	1041.8	1039.4	1023.9	1013.1	1031.0	988.0	968.9	968.9	947.4	924.7	913.9
82.5°	620.0	611.7	611.7	615.3	604.5	577.0	581.8	609.3	606.9	593.8	584.2
85°	366.8	362.0	358.4	353.6	344.1	325.0	325.0	327.3	329.7	330.9	326.2
87.5°	244.9	243.7	243.7	243.7	233.0	219.8	225.8	229.4	227.0	225.8	224.6
90°	213.9	215.0	213.9	209.1	199.5	187.6	190.0	194.7	192.3	192.3	191.2
92.5°	192.3	192.3	190.0	185.2	175.6	164.9	166.1	168.5	167.3	166.1	164.9
95°	157.7	157.7	155.3	151.7	143.4	133.8	135.0	137.4	135.0	135.0	133.8
97.5°	123.1	123.1	121.9	119.5	112.3	105.1	106.3	107.5	106.3	106.3	105.1
100°	93.2	93.2	92.0	88.4	84.8	78.9	80.0	82.4	81.2	81.2	80.0
102.5°	69.3	69.3	68.1	66.9	62.1	58.5	59.7	59.7	59.7	58.5	58.5
105°	53.8	53.8	53.8	51.4	49.0	45.4	45.4	45.4	45.4	44.2	44.2
107.5°	43.0	41.8	41.8	40.6	38.2	35.8	35.8	35.8	35.8	35.8	35.8
110°	34.6	33.5	32.3	32.3	29.9	28.7	27.5	28.7	28.7	28.7	28.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	29.9	28.7	26.3	26.3	25.1	22.7	22.7	22.7	25.1	23.9	23.9
115°	26.3	25.1	21.5	21.5	20.3	19.1	19.1	19.1	21.5	19.1	19.1
117.5°	22.7	21.5	17.9	17.9	16.7	15.5	15.5	15.5	17.9	15.5	15.5
120°	16.7	16.7	14.3	14.3	14.3	13.1	13.1	13.1	14.3	13.1	13.1
122.5°	13.1	13.1	11.9	11.9	11.9	10.8	10.8	10.8	10.8	9.6	9.6
125°	13.1	15.5	9.6	9.6	8.4	8.4	8.4	7.2	8.4	7.2	7.2
127.5°	14.3	13.1	7.2	7.2	7.2	6.0	6.0	6.0	6.0	6.0	6.0
130°	4.8	7.2	4.8	4.8	4.8	4.8	4.8	4.8	3.6	3.6	3.6
132.5°	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4
135°	2.4	2.4	2.4	2.4	2.4	2.4	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)