

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: P694542

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.9 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

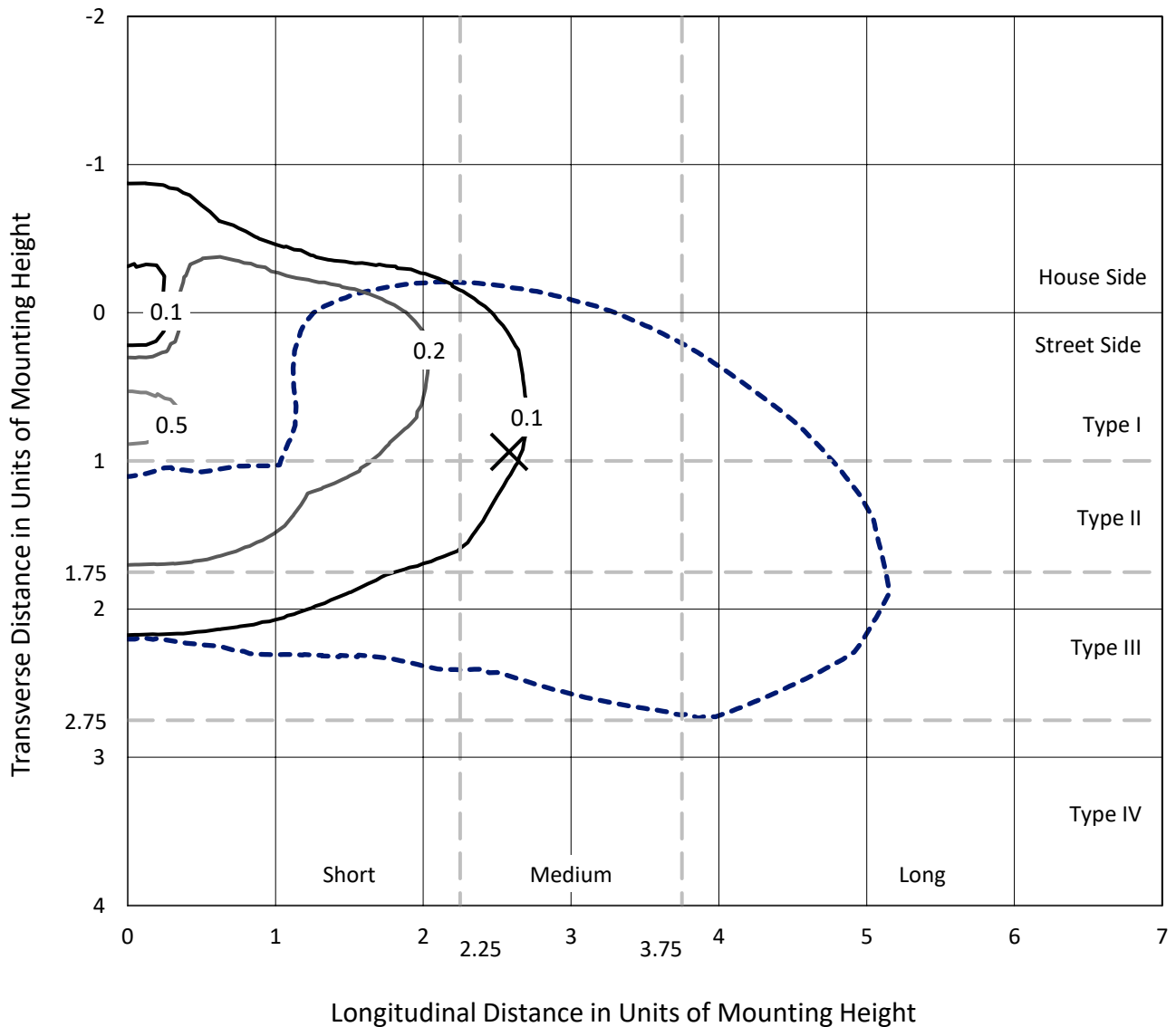
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

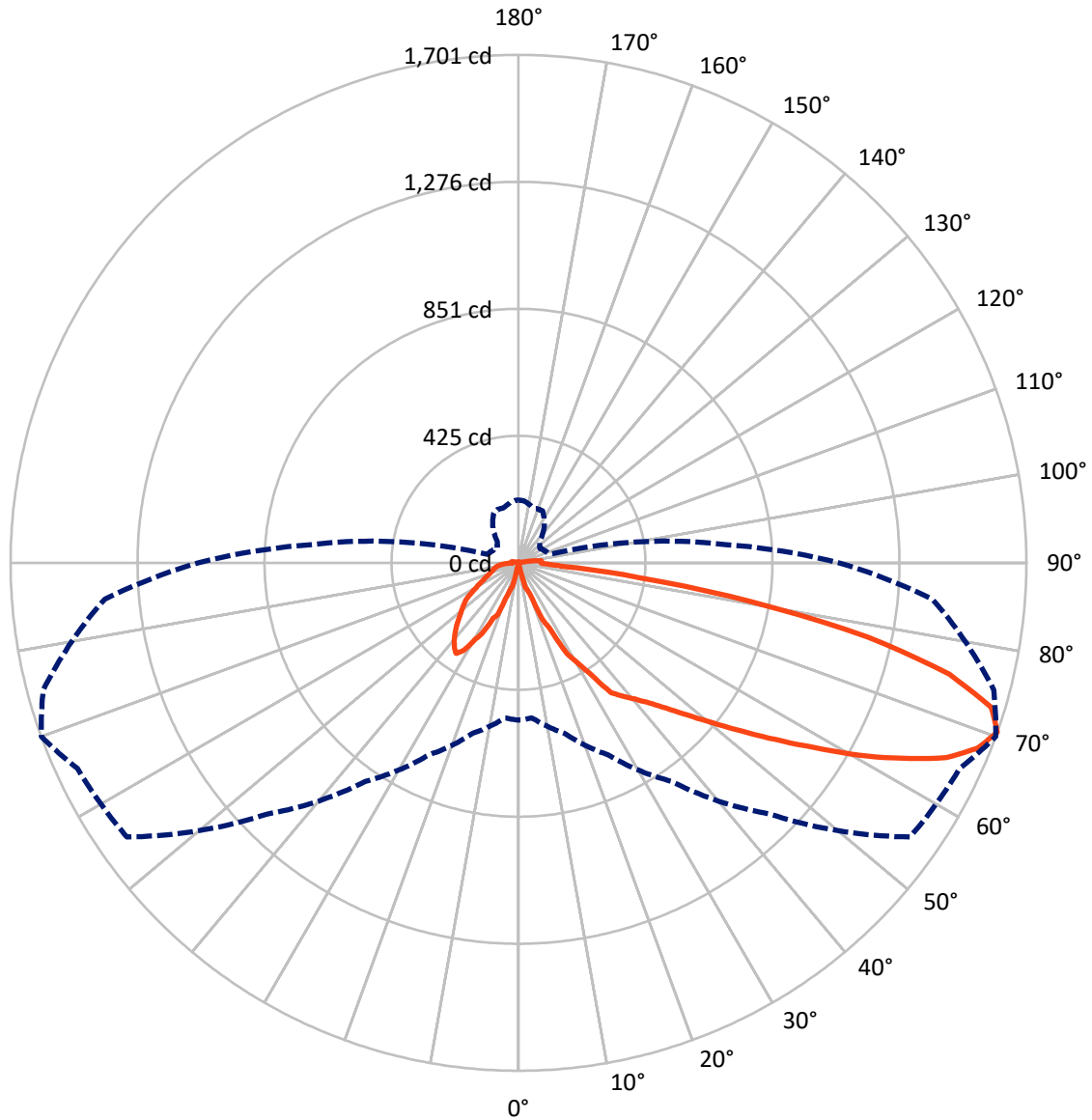
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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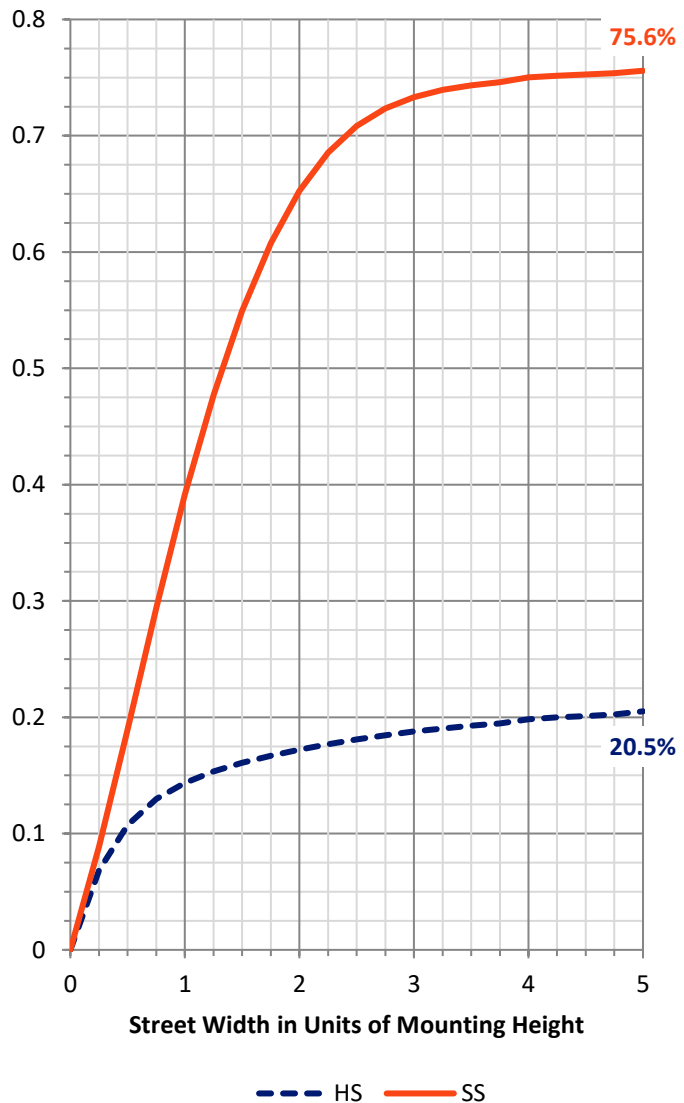
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.7	28.1	595.8
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	1988.4	24.7	2013.1
	% Fixture	76.2	0.9	77.2
Total	Lumens	2556.1	52.8	2608.9
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	18.6	0.7
20°-30°	106.6	4.1
30°-40°	246.1	9.4
40°-50°	360.5	13.8
50°-60°	533.1	20.4
60°-70°	699.2	26.8
70°-80°	474.9	18.2
80°-90°	116.8	4.5
90°-100°	38.4	1.5
100°-110°	6.9	0.3
110°-120°	2.7	0.1
120°-130°	2.1	0.1
130°-140°	1.5	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2556.1	98.0
0°-180°	2608.9	100.0

Coefficient of Utilization

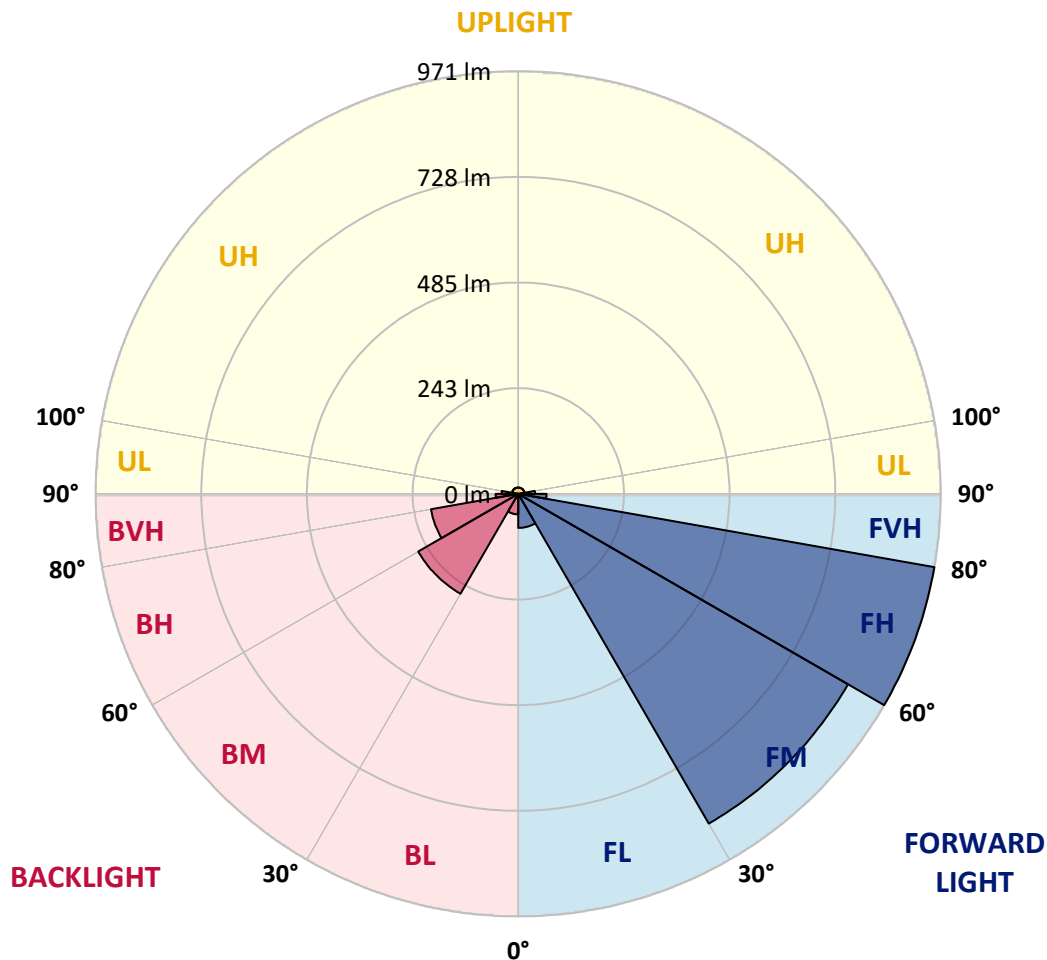


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.3	3.0			
FM (30°-60°)	874.6	33.5			
FH (60°-80°)	970.6	37.2			G1/1800
FVH (80°-90°)	64.9	2.5			G1/100
BL (0°-30°)	47.1	1.8	B0/110		
BM (30°-60°)	265.1	10.2	B1/1000		
BH (60°-80°)	203.6	7.8	B1/500		G1/500
BVH (80°-90°)	51.9	2.0			G1/100
UL (90°-100°)	38.4	1.5		U2/50	
UH (100°-180°)	14.5	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8
7.5°	2.7	1.8	1.8	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8
10°	15.5	16.4	11.0	6.4	4.6	2.7	2.7	2.7	2.7	2.7	2.7
12.5°	84.0	83.1	81.3	56.6	20.1	6.4	4.6	8.2	10.0	12.8	18.3
15°	95.0	95.9	93.1	92.2	86.7	32.9	17.3	76.7	84.0	84.9	84.9
17.5°	132.4	131.5	118.7	104.1	97.7	101.3	81.3	91.3	95.0	96.8	97.7
20°	222.8	221.9	219.1	187.2	120.5	147.9	143.3	108.7	115.0	147.9	188.1
22.5°	248.3	246.5	242.9	233.7	242.0	168.9	164.3	190.8	207.3	217.3	216.4
25°	380.7	384.4	316.8	263.0	267.5	231.0	248.3	246.5	242.0	243.8	246.5
27.5°	423.7	420.0	414.5	388.0	297.7	314.1	283.0	315.0	344.2	360.7	356.1
30°	543.3	542.4	477.5	431.9	390.8	340.6	352.4	397.2	387.1	389.9	375.3
32.5°	634.6	633.7	624.5	533.2	442.8	385.3	418.2	420.0	445.6	495.8	500.4
35°	670.2	666.5	660.1	593.5	504.0	453.8	441.9	519.5	534.1	536.0	523.2
37.5°	706.7	702.1	696.7	622.7	564.3	481.2	506.7	566.1	566.1	578.0	546.0
40°	727.7	727.7	726.8	647.4	591.7	505.8	538.7	601.7	599.9	608.1	578.0
42.5°	754.2	751.4	761.5	672.9	620.0	531.4	569.7	635.5	641.0	662.0	620.9
45°	791.6	795.3	799.8	727.7	658.3	568.8	606.3	688.4	693.9	722.2	683.0
47.5°	832.7	837.3	853.7	785.2	720.4	616.3	637.3	748.7	761.5	796.2	761.5
50°	883.8	884.7	908.5	842.7	799.8	683.9	693.9	807.1	840.9	872.0	851.0
52.5°	920.4	924.0	953.2	916.7	872.9	765.1	776.1	882.9	935.9	974.2	947.7
55°	952.3	955.1	982.4	973.3	934.1	827.2	882.9	985.2	1044.5	1077.4	1066.4
57.5°	964.2	966.9	1008.0	1015.3	996.1	905.7	995.2	1086.5	1166.0	1202.5	1184.2
60°	956.0	956.0	1006.2	1045.4	1064.6	992.5	1113.9	1200.7	1308.4	1333.1	1339.4
62.5°	928.6	935.9	997.1	1058.2	1113.9	1077.4	1234.4	1342.2	1441.7	1464.5	1449.9
65°	868.3	870.1	935.0	1030.8	1119.4	1169.6	1388.7	1461.8	1574.1	1565.9	1503.8
67.5°	754.2	741.4	798.0	933.1	1059.1	1217.1	1517.5	1563.1	1657.2	1629.8	1490.1
70°	526.8	521.4	590.7	709.4	893.0	1189.7	1600.6	1629.8	1701.0	1648.1	1390.6
72.5°	250.2	270.3	305.0	406.3	619.0	1004.4	1577.8	1623.4	1655.4	1595.1	1208.0
75°	109.6	112.3	130.6	184.4	318.7	634.6	1380.5	1458.1	1490.1	1421.6	951.4
77.5°	78.5	78.5	86.7	100.4	145.2	303.1	940.4	1155.0	1196.1	1129.4	666.5
80°	61.2	61.2	67.6	76.7	90.4	125.1	586.2	774.3	788.9	690.3	371.6
82.5°	45.7	47.5	53.0	57.5	66.7	85.8	251.1	398.1	408.1	320.5	194.5
85°	32.9	32.9	36.5	36.5	43.8	66.7	129.7	146.1	145.2	128.7	120.5
87.5°	11.0	11.0	9.1	11.0	18.3	42.0	81.3	82.2	78.5	89.5	101.3
90°	12.8	12.8	9.1	10.0	13.7	38.3	78.5	78.5	74.9	80.3	101.3
92.5°	13.7	13.7	10.0	10.0	11.9	33.8	79.4	83.1	78.5	81.3	100.4
95°	13.7	13.7	10.0	9.1	11.0	22.8	76.7	76.7	74.0	72.1	79.4
97.5°	8.2	8.2	6.4	7.3	9.1	11.9	45.7	47.5	42.0	32.9	42.9
100°	5.5	5.5	4.6	5.5	6.4	6.4	21.9	22.8	17.3	8.2	9.1
102.5°	5.5	5.5	3.7	4.6	3.7	3.7	6.4	8.2	5.5	5.5	7.3
105°	5.5	6.4	2.7	2.7	2.7	2.7	2.7	5.5	4.6	4.6	7.3
107.5°	5.5	5.5	2.7	2.7	2.7	2.7	1.8	2.7	3.7	4.6	8.2
110°	2.7	3.7	1.8	2.7	1.8	2.7	1.8	2.7	3.7	3.7	6.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	1.8	1.8	0.9	1.8	1.8	1.8	1.8	2.7	2.7	2.7	4.6
115°	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7	4.6
117.5°	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.7	4.6
120°	2.7	1.8	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7	4.6
122.5°	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7	4.6
125°	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7	4.6
127.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7	4.6
130°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7	3.7
132.5°	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	3.7
135°	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	2.7
137.5°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
150°	2.7	2.7	2.7	1.8	1.8	0.9	1.8	1.8	1.8	1.8	2.7
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	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
7.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
12.5°	16.4	16.4	12.8	6.4	2.7	1.8	1.8	1.8	2.7	4.6	3.7
15°	86.7	86.7	84.9	77.6	16.4	4.6	3.7	8.2	36.5	65.7	66.7
17.5°	99.5	98.6	96.8	92.2	82.2	29.2	28.3	76.7	82.2	85.8	86.7
20°	187.2	185.3	143.3	102.3	89.5	88.6	77.6	86.7	89.5	91.3	92.2
22.5°	213.7	210.9	200.9	177.1	102.3	120.5	113.2	94.0	140.6	150.7	150.7
25°	245.6	238.3	218.2	190.8	174.4	126.9	130.6	137.0	145.2	147.0	147.0
27.5°	349.7	343.3	314.1	210.0	187.2	149.7	151.6	138.8	146.1	167.1	169.8
30°	366.1	356.1	329.6	259.3	194.5	168.0	145.2	162.5	170.7	169.8	170.7
32.5°	487.6	477.5	423.7	266.6	209.1	158.0	158.9	162.5	168.0	177.1	183.5
35°	506.7	495.8	434.6	303.1	200.0	157.0	157.0	164.3	189.0	192.7	192.7
37.5°	527.7	518.6	430.0	283.0	201.8	157.0	152.5	168.0	178.0	177.1	177.1
40°	564.3	549.7	418.2	258.4	183.5	150.7	152.5	158.0	163.4	158.0	155.2
42.5°	607.2	580.7	402.7	232.8	168.9	142.4	144.3	146.1	146.1	136.0	135.1
45°	662.0	612.7	381.7	209.1	155.2	132.4	137.0	134.2	134.2	126.0	125.1
47.5°	724.0	645.5	356.1	188.1	143.3	123.3	129.7	126.9	128.7	121.4	120.5
50°	796.2	688.4	331.4	172.6	133.3	118.7	122.3	126.0	128.7	119.6	118.7
52.5°	872.0	730.4	314.1	155.2	124.2	113.2	125.1	126.0	127.8	118.7	118.7
55°	965.1	782.5	293.1	142.4	117.8	108.7	131.5	131.5	128.7	120.5	119.6
57.5°	1065.5	834.5	253.8	130.6	112.3	105.9	134.2	138.8	132.4	122.3	122.3
60°	1158.7	886.6	209.1	121.4	106.8	105.0	136.0	142.4	137.0	127.8	127.8
62.5°	1229.9	912.1	175.3	114.1	100.4	102.3	135.1	149.7	147.9	143.3	143.3
65°	1238.1	889.3	147.0	107.7	95.0	101.3	133.3	157.0	158.0	165.3	166.2
67.5°	1194.3	816.3	125.1	102.3	90.4	98.6	134.2	172.6	177.1	190.8	189.0
70°	1073.7	697.6	108.7	95.9	86.7	99.5	150.7	191.7	190.8	208.2	210.0
72.5°	896.6	552.4	98.6	92.2	88.6	106.8	169.8	197.2	193.6	212.7	210.9
75°	680.2	389.9	90.4	87.7	85.8	108.7	174.4	191.7	184.4	197.2	195.4
77.5°	447.4	256.6	82.2	82.2	83.1	104.1	167.1	182.6	173.5	181.7	180.8
80°	252.0	152.5	74.0	77.6	79.4	99.5	156.1	169.8	160.7	167.1	167.1
82.5°	151.6	108.7	64.8	71.2	73.0	98.6	146.1	158.0	149.7	153.4	148.8
85°	103.2	79.4	51.1	60.3	68.5	95.0	137.9	146.1	131.5	128.7	125.1
87.5°	84.0	62.1	28.3	38.3	51.1	81.3	109.6	110.5	96.8	95.0	94.0
90°	82.2	57.5	20.1	21.0	33.8	56.6	72.1	69.4	64.8	65.7	64.8
92.5°	80.3	54.8	21.9	22.8	33.8	44.7	61.2	60.3	55.7	60.3	59.3
95°	68.5	47.5	22.8	24.7	29.2	27.4	44.7	47.5	43.8	46.6	47.5
97.5°	35.6	25.6	21.9	24.7	21.9	16.4	26.5	30.1	22.8	18.3	20.1
100°	11.9	8.2	21.9	25.6	16.4	11.9	19.2	21.9	13.7	5.5	5.5
102.5°	7.3	7.3	15.5	20.1	11.9	6.4	12.8	15.5	10.0	4.6	4.6
105°	7.3	7.3	6.4	11.0	4.6	3.7	4.6	8.2	5.5	4.6	4.6
107.5°	8.2	7.3	3.7	3.7	3.7	2.7	2.7	3.7	3.7	4.6	4.6
110°	7.3	6.4	3.7	3.7	2.7	2.7	2.7	2.7	3.7	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	5.5	3.7	2.7	2.7	2.7	2.7	2.7	3.7	5.5	5.5
115°	4.6	4.6	2.7	2.7	1.8	2.7	2.7	2.7	3.7	5.5	6.4
117.5°	5.5	4.6	2.7	1.8	1.8	1.8	1.8	2.7	3.7	6.4	6.4
120°	5.5	4.6	2.7	2.7	1.8	1.8	1.8	2.7	3.7	6.4	7.3
122.5°	5.5	4.6	2.7	1.8	1.8	1.8	1.8	2.7	3.7	6.4	7.3
125°	4.6	4.6	2.7	1.8	1.8	1.8	1.8	2.7	3.7	6.4	6.4
127.5°	4.6	4.6	2.7	1.8	1.8	1.8	1.8	2.7	3.7	6.4	6.4
130°	4.6	3.7	2.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	6.4
132.5°	3.7	3.7	2.7	1.8	1.8	1.8	1.8	1.8	3.7	5.5	5.5
135°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.7	4.6
137.5°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	3.7
140°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7
142.5°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7
145°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7
147.5°	2.7	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7
150°	2.7	1.8	1.8	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7
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	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)