

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: P694686

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2143 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

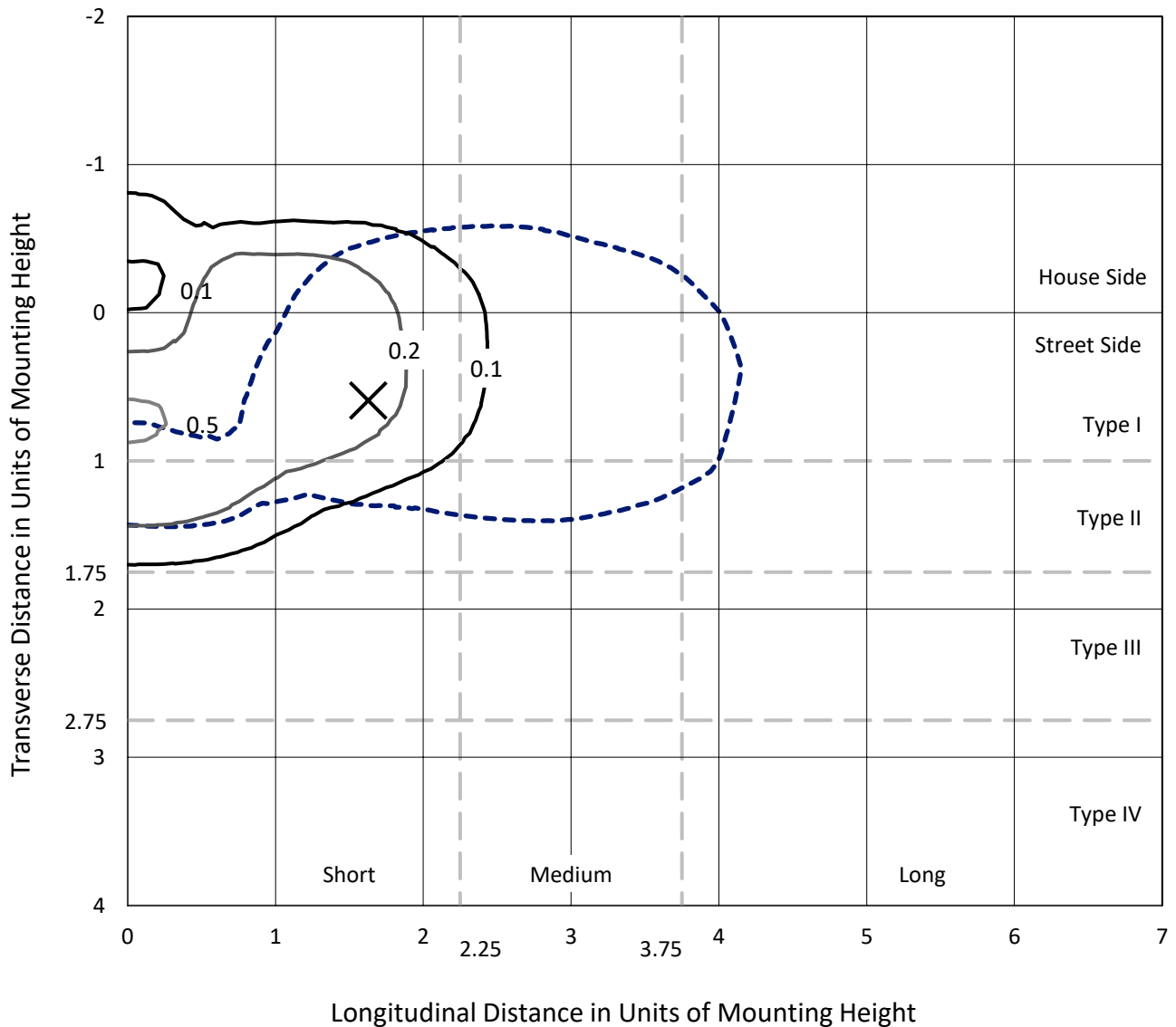
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

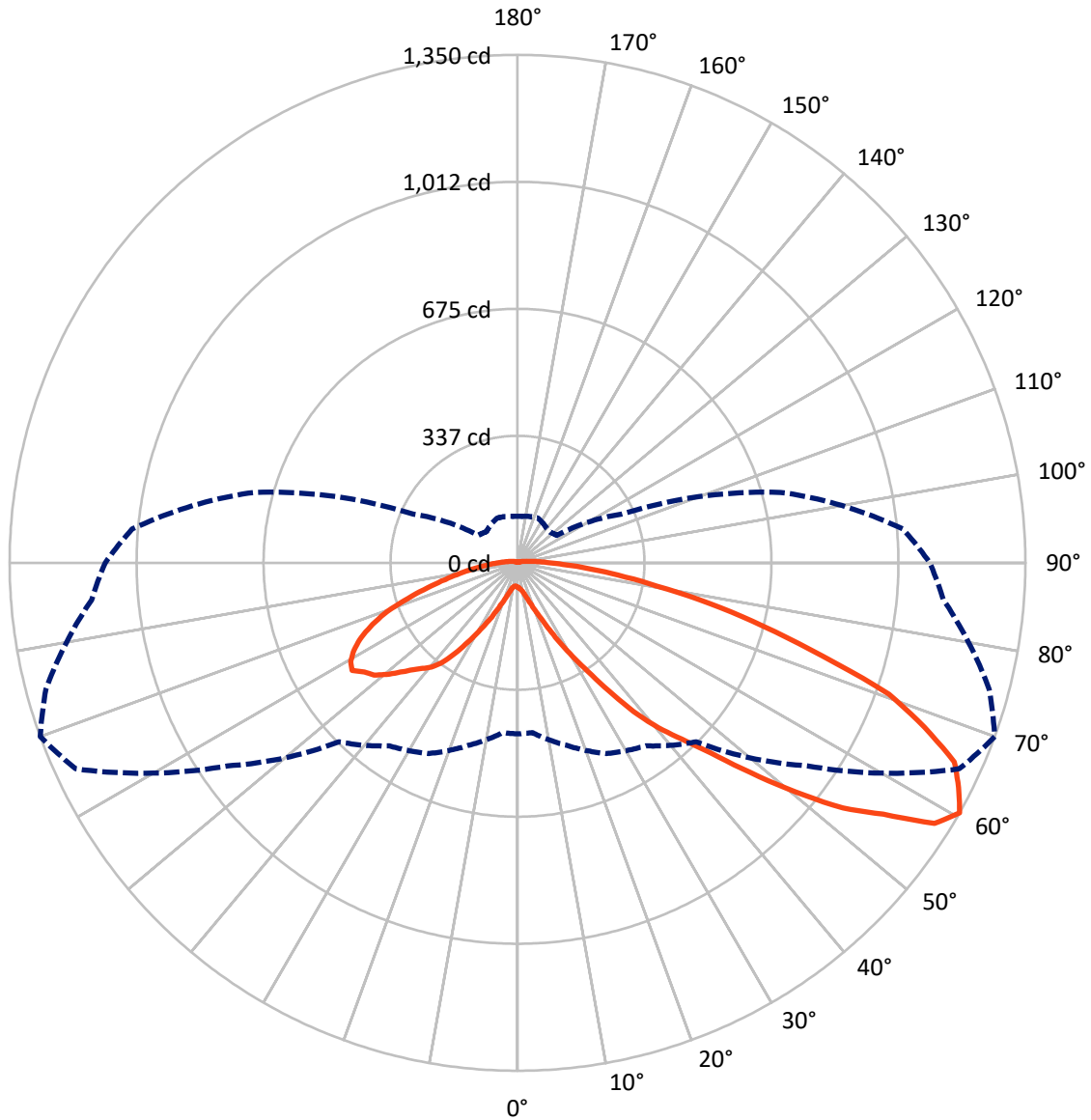
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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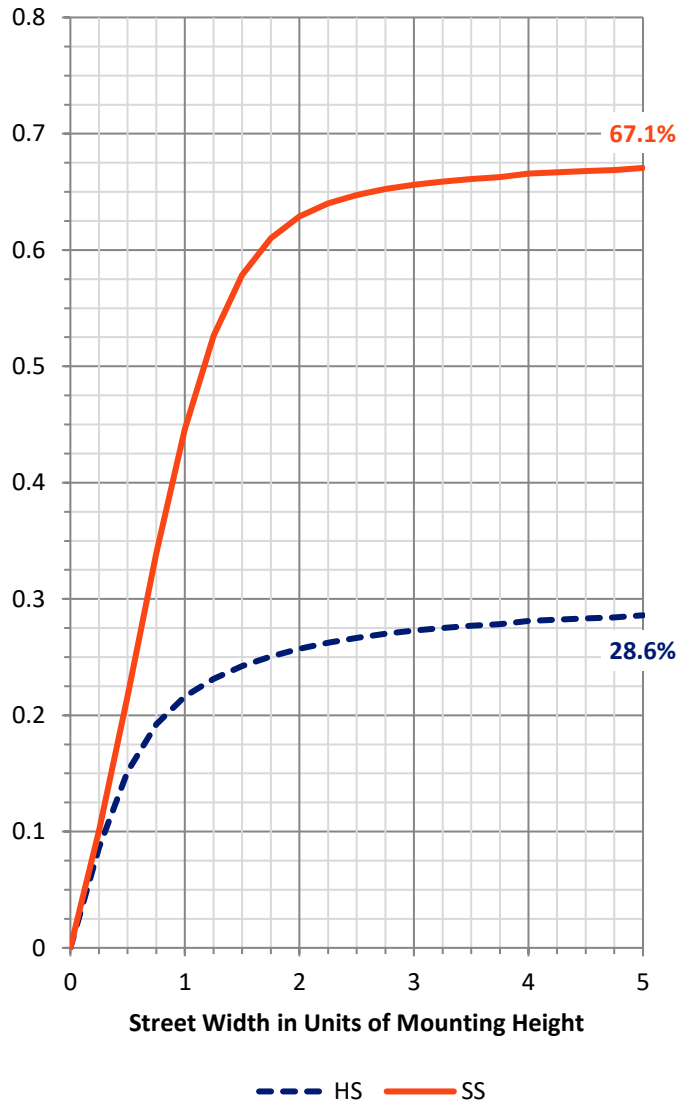
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.9	31.8	662.8
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	1453.1	27.2	1480.2
	% Fixture	67.8	1.3	69.1
Total	Lumens	2084.0	59.0	2143.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.3
10°-20°	27.3	1.3
20°-30°	86.6	4.0
30°-40°	213.1	9.9
40°-50°	368.8	17.2
50°-60°	519.1	24.2
60°-70°	482.6	22.5
70°-80°	275.3	12.8
80°-90°	104.7	4.9
90°-100°	31.2	1.5
100°-110°	12.7	0.6
110°-120°	6.8	0.3
120°-130°	4.3	0.2
130°-140°	2.8	0.1
140°-150°	1.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2084.0	97.2
0°-180°	2143.0	100.0

Coefficient of Utilization

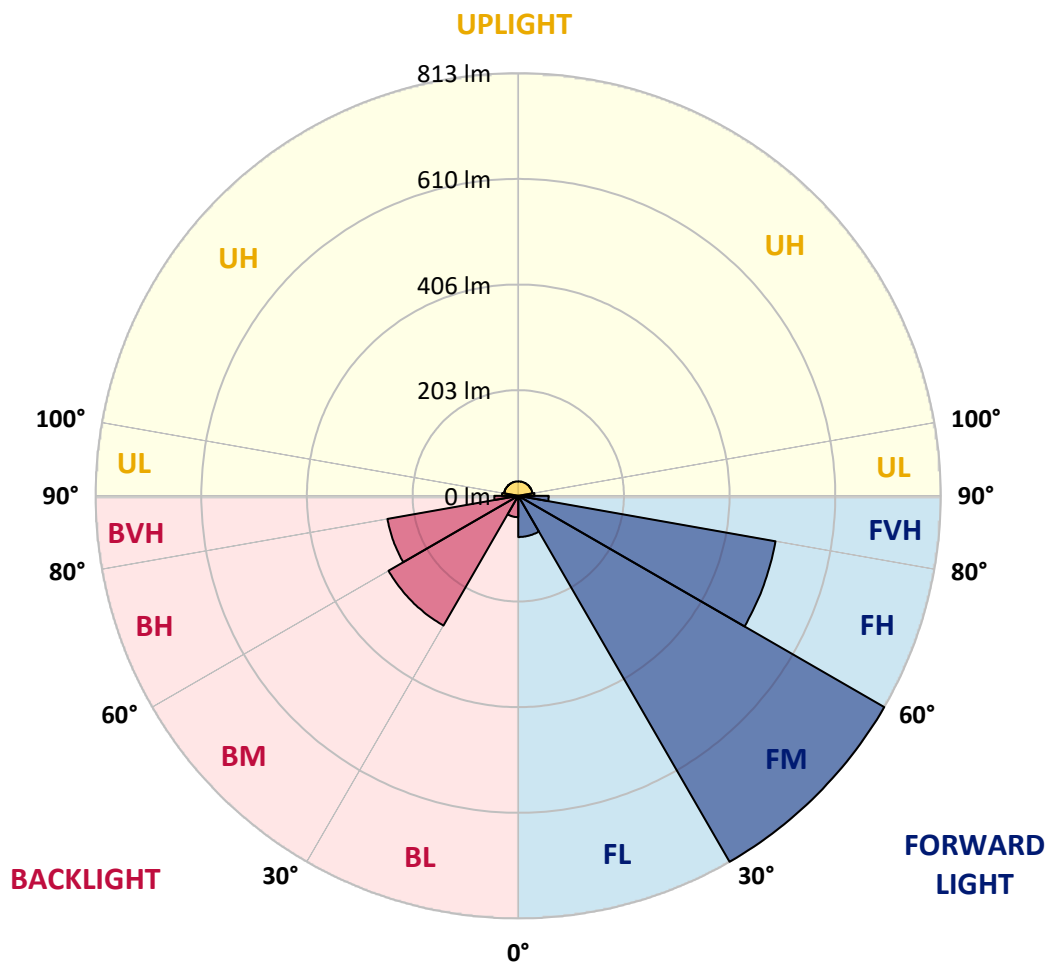


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.3	3.7			
FM (30°-60°)	812.9	37.9			
FH (60°-80°)	502.5	23.4			G0/660
FVH (80°-90°)	58.5	2.7			G1/100
BL (0°-30°)	41.1	1.9	B0/110		
BM (30°-60°)	288.2	13.4	B1/1000		
BH (60°-80°)	255.4	11.9	B1/500		G1/500
BVH (80°-90°)	46.2	2.2			G1/100
UL (90°-100°)	31.2	1.5		U2/50	
UH (100°-180°)	27.8	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	69.3	68.6	68.6	68.6	68.6	67.8	67.1	66.3	66.3	65.6	64.8
5°	75.3	75.3	75.3	74.6	73.8	73.1	71.6	70.1	69.3	67.8	66.3
7.5°	85.1	83.6	83.6	82.9	80.6	79.1	76.9	73.8	73.1	71.6	69.3
10°	97.2	96.4	95.7	93.4	89.7	86.6	84.4	80.6	78.4	76.9	73.8
12.5°	116.0	116.0	113.8	109.3	104.0	98.7	94.2	89.7	87.4	85.1	82.1
15°	139.4	138.6	137.9	130.4	122.1	114.5	107.0	101.7	99.5	98.0	92.7
17.5°	170.3	171.0	166.5	154.5	142.4	134.1	125.1	118.3	115.3	113.0	108.5
20°	210.2	209.5	202.7	185.4	171.8	158.2	148.4	137.9	135.6	133.4	128.1
22.5°	262.2	260.7	247.1	226.0	205.7	186.9	174.1	166.5	162.0	159.0	154.5
25°	315.7	321.7	302.9	277.3	247.9	219.3	205.7	201.2	196.7	194.4	188.4
27.5°	400.1	400.8	373.7	332.3	293.1	263.7	246.4	238.9	238.9	235.8	228.3
30°	489.8	489.0	455.9	403.1	349.6	308.9	290.8	286.3	287.8	284.1	273.5
32.5°	568.9	567.4	530.4	478.5	407.6	357.9	340.6	342.1	343.6	346.6	338.3
35°	654.8	654.0	610.3	546.3	469.4	413.7	401.6	415.9	416.7	421.2	402.4
37.5°	685.7	690.2	663.1	605.8	524.4	470.9	471.7	487.5	501.1	502.6	476.2
40°	709.0	711.3	686.4	640.5	574.1	530.4	549.3	574.9	575.7	562.8	519.9
42.5°	762.5	764.8	730.1	672.1	610.3	590.7	617.8	645.0	639.7	628.4	574.9
45°	797.2	800.2	777.6	721.8	646.5	635.2	684.9	721.1	720.3	712.8	638.9
47.5°	832.6	837.1	813.8	761.0	687.9	676.6	758.7	833.3	832.6	811.5	724.1
50°	822.0	825.8	827.3	792.7	717.3	719.6	836.4	950.9	956.9	929.8	828.1
52.5°	758.0	764.0	785.9	790.4	738.4	749.0	911.7	1075.2	1082.7	1037.5	908.7
55°	675.1	682.6	711.3	742.9	725.6	756.5	974.2	1173.9	1178.4	1141.5	1011.9
57.5°	564.4	580.2	617.1	662.3	672.9	738.4	975.0	1255.3	1306.5	1277.9	1124.2
60°	454.3	452.8	501.8	559.1	593.7	672.1	940.3	1295.2	1349.5	1297.5	1136.2
62.5°	326.3	331.5	384.3	450.6	493.5	568.9	859.7	1216.9	1315.6	1314.1	1199.5
65°	232.8	238.1	276.5	339.8	389.5	471.7	729.4	1140.0	1275.6	1287.7	1193.5
67.5°	165.8	168.0	197.4	247.1	290.8	360.2	597.5	1030.8	1166.4	1202.5	1158.8
70°	124.3	126.6	144.7	181.6	212.5	263.0	476.9	874.0	1047.3	1100.1	1069.9
72.5°	95.7	98.7	110.8	138.6	156.7	187.6	356.4	712.8	846.9	898.9	886.1
75°	75.3	76.9	85.9	104.7	116.0	131.9	252.4	548.5	674.4	749.0	749.0
77.5°	60.3	62.5	68.6	82.1	91.9	98.0	173.3	394.1	522.9	598.3	615.6
80°	48.2	49.7	55.0	64.8	71.6	75.3	116.8	273.5	375.2	464.9	515.4
82.5°	38.4	38.4	43.7	51.2	58.0	62.5	85.9	193.6	268.2	336.0	391.8
85°	30.9	31.6	34.7	39.9	46.7	52.7	66.3	132.6	183.1	225.3	271.3
87.5°	24.1	24.1	27.1	30.9	37.7	44.5	54.3	89.7	120.6	155.2	182.3
90°	17.3	18.1	19.6	22.6	29.4	36.2	42.9	62.5	79.9	97.2	115.3
92.5°	12.8	12.8	13.6	15.8	21.1	28.6	34.7	45.2	55.0	63.3	71.6
95°	9.8	9.8	10.5	11.3	15.1	21.9	26.4	33.2	38.4	44.5	48.2
97.5°	8.3	8.3	8.3	9.0	12.1	16.6	20.3	24.9	28.6	32.4	36.2
100°	7.5	7.5	7.5	7.5	9.8	14.3	15.8	19.6	21.9	24.9	27.1
102.5°	6.8	6.8	6.8	6.8	9.0	12.1	13.6	15.1	17.3	18.8	21.1
105°	6.0	6.0	6.0	6.0	7.5	9.8	11.3	12.8	13.6	14.3	15.8
107.5°	5.3	5.3	5.3	5.3	6.8	9.0	9.8	9.8	10.5	11.3	12.8
110°	4.5	4.5	4.5	5.3	6.0	7.5	8.3	8.3	8.3	9.0	10.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.5	4.5	4.5	4.5	5.3	6.8	6.8	6.8	7.5	7.5	9.0
115°	3.8	3.8	3.8	4.5	5.3	6.0	6.0	6.0	6.0	6.8	7.5
117.5°	3.8	3.8	3.8	3.8	5.3	6.0	6.0	5.3	5.3	6.0	6.8
120°	3.8	3.8	3.8	3.8	4.5	5.3	5.3	5.3	5.3	5.3	6.0
122.5°	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	4.5	4.5	5.3
125°	3.8	3.8	3.8	3.8	4.5	4.5	4.5	3.8	3.8	4.5	5.3
127.5°	4.5	4.5	3.8	3.8	3.8	4.5	3.8	3.8	3.8	3.8	4.5
130°	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5
132.5°	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.8	4.5
135°	3.8	4.5	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.8
137.5°	3.8	3.8	3.8	3.0	3.0	3.0	2.3	2.3	2.3	3.0	3.0
140°	3.8	3.8	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	3.0
142.5°	3.0	3.0	3.0	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3
145°	3.0	3.0	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	2.3	2.3	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
150°	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	64.8	64.0	63.3	63.3	62.5	61.8	61.0	61.0	61.0	61.0	61.0
5°	65.6	64.8	63.3	61.8	60.3	58.8	58.0	56.5	56.5	56.5	55.8
7.5°	67.8	66.3	64.0	61.0	58.8	56.5	54.3	53.5	52.7	52.0	52.0
10°	71.6	70.1	66.3	62.5	58.8	55.8	52.7	50.5	49.0	49.0	49.0
12.5°	79.1	76.9	71.6	65.6	60.3	55.8	52.0	49.7	49.0	49.0	49.7
15°	91.2	88.2	80.6	73.1	64.8	58.0	55.0	55.0	55.8	56.5	56.5
17.5°	105.5	101.7	93.4	82.9	73.1	66.3	63.3	64.0	65.6	66.3	66.3
20°	125.8	119.0	110.8	96.4	83.6	77.6	73.8	73.1	76.9	78.4	78.4
22.5°	149.2	145.4	131.9	113.8	98.7	89.7	84.4	82.9	86.6	88.2	88.2
25°	183.8	176.3	160.5	136.4	116.8	101.7	94.2	92.7	98.0	101.0	101.0
27.5°	223.8	212.5	192.9	162.0	134.9	113.0	103.2	103.2	108.5	113.0	113.8
30°	265.2	252.4	229.1	190.6	153.0	122.1	110.0	110.8	116.0	122.8	121.3
32.5°	325.5	307.4	272.8	223.0	169.5	129.6	113.8	116.8	125.1	134.1	132.6
35°	384.3	365.4	324.0	259.2	183.8	133.4	116.0	122.8	131.9	138.6	138.6
37.5°	446.8	423.5	370.7	290.8	198.9	135.6	117.5	124.3	133.4	137.9	137.9
40°	488.3	464.9	404.6	313.4	204.9	134.9	116.8	123.6	129.6	131.1	129.6
42.5°	540.2	505.6	431.0	324.0	201.9	131.1	114.5	119.8	122.1	121.3	121.3
45°	602.0	563.6	468.7	327.8	192.9	125.1	111.5	115.3	118.3	119.0	119.0
47.5°	684.9	640.5	517.6	333.8	181.6	119.0	110.0	116.0	119.0	116.8	116.8
50°	780.6	728.6	574.1	339.1	170.3	114.5	110.8	118.3	119.0	116.8	116.0
52.5°	856.7	800.2	623.1	345.1	159.0	112.3	113.8	121.3	120.6	116.8	116.0
55°	957.7	899.6	666.8	331.5	148.4	113.0	116.8	124.3	122.1	116.0	116.0
57.5°	1076.7	1006.6	724.8	324.0	136.4	115.3	120.6	127.3	123.6	118.3	117.5
60°	1095.6	1027.7	723.3	305.2	127.3	116.8	123.6	130.4	127.3	123.6	123.6
62.5°	1159.6	1086.5	711.3	272.0	120.6	116.8	125.8	134.1	134.9	132.6	131.9
65°	1151.3	1071.4	680.4	238.9	114.5	115.3	127.3	138.6	139.4	140.1	140.1
67.5°	1121.2	1037.5	626.9	209.5	107.7	113.0	127.3	137.9	141.7	144.7	144.7
70°	1029.2	953.1	559.1	180.1	101.0	107.0	121.3	133.4	137.1	140.9	141.7
72.5°	861.2	790.4	458.9	153.0	91.9	98.0	110.8	122.1	126.6	129.6	128.8
75°	718.1	660.8	373.0	121.3	82.1	86.6	97.2	107.0	110.0	112.3	112.3
77.5°	593.0	541.7	293.9	99.5	71.6	75.3	83.6	91.2	94.2	94.9	93.4
80°	495.0	434.8	230.6	80.6	61.0	63.3	71.6	77.6	80.6	79.1	79.9
82.5°	382.8	333.0	174.8	67.8	53.5	54.3	60.3	65.6	67.8	66.3	65.6
85°	259.9	226.0	125.8	58.8	46.7	46.0	49.7	54.3	55.8	55.0	54.3
87.5°	171.8	149.2	91.2	50.5	40.7	39.9	42.2	46.0	47.5	46.7	45.2
90°	108.5	98.7	65.6	42.9	35.4	33.9	35.4	37.7	39.9	39.2	38.4
92.5°	69.3	62.5	48.2	35.4	30.1	28.6	28.6	30.1	31.6	30.1	28.6
95°	46.7	45.2	36.9	28.6	24.9	23.4	22.6	22.6	24.1	22.6	21.9
97.5°	36.2	34.7	30.1	22.6	19.6	18.8	18.1	18.1	19.6	18.1	17.3
100°	27.9	27.9	24.1	18.8	15.1	15.1	15.1	15.8	16.6	15.8	15.8
102.5°	21.9	21.9	20.3	15.8	12.8	12.8	12.8	13.6	15.1	14.3	14.3
105°	16.6	17.3	16.6	12.8	11.3	11.3	11.3	12.1	12.8	12.8	12.8
107.5°	13.6	14.3	13.6	11.3	9.8	9.8	9.8	10.5	11.3	12.1	12.1
110°	11.3	12.1	11.3	9.8	9.0	9.0	9.0	9.0	10.5	10.5	11.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.8	9.8	8.3	8.3	8.3	7.5	8.3	9.0	9.8	9.8
115°	8.3	8.3	8.3	7.5	7.5	7.5	6.8	6.8	8.3	9.0	9.0
117.5°	7.5	7.5	7.5	6.8	6.8	6.8	6.0	6.0	6.8	8.3	8.3
120°	6.8	6.8	6.8	6.0	6.0	6.0	5.3	5.3	6.0	7.5	7.5
122.5°	6.0	6.0	6.0	5.3	5.3	5.3	5.3	5.3	6.0	6.8	6.8
125°	5.3	5.3	5.3	5.3	5.3	4.5	4.5	4.5	5.3	6.0	6.0
127.5°	5.3	5.3	5.3	4.5	4.5	4.5	4.5	4.5	4.5	5.3	6.0
130°	4.5	4.5	4.5	4.5	3.8	3.8	3.8	3.8	4.5	5.3	5.3
132.5°	4.5	4.5	4.5	3.8	3.8	3.8	3.8	3.8	4.5	4.5	5.3
135°	3.8	4.5	3.8	3.8	3.8	3.0	3.0	3.0	3.8	4.5	4.5
137.5°	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8
140°	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	3.0	3.8	3.8
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	3.0	3.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3
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)