

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: P694697

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170.1 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G1

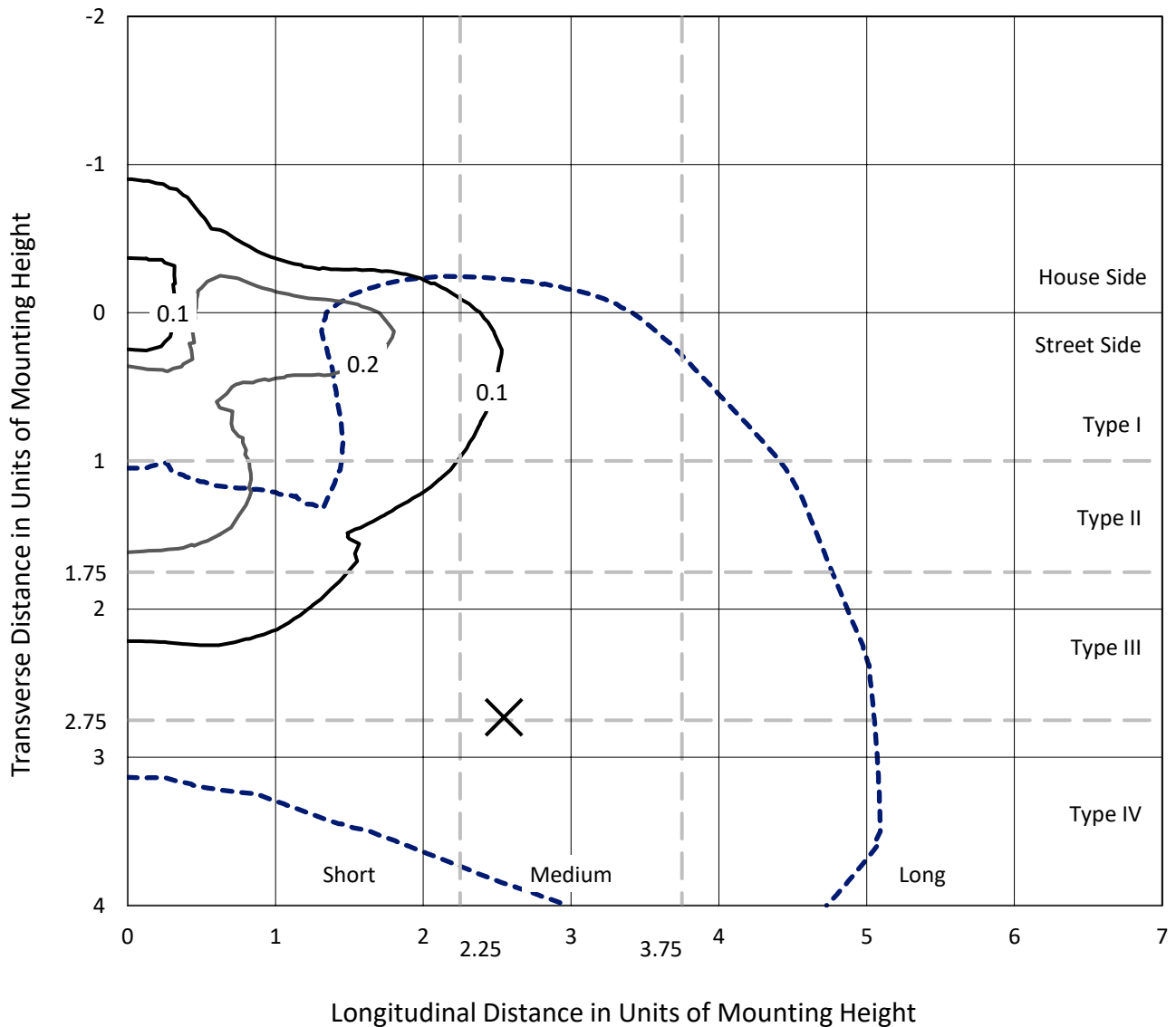
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

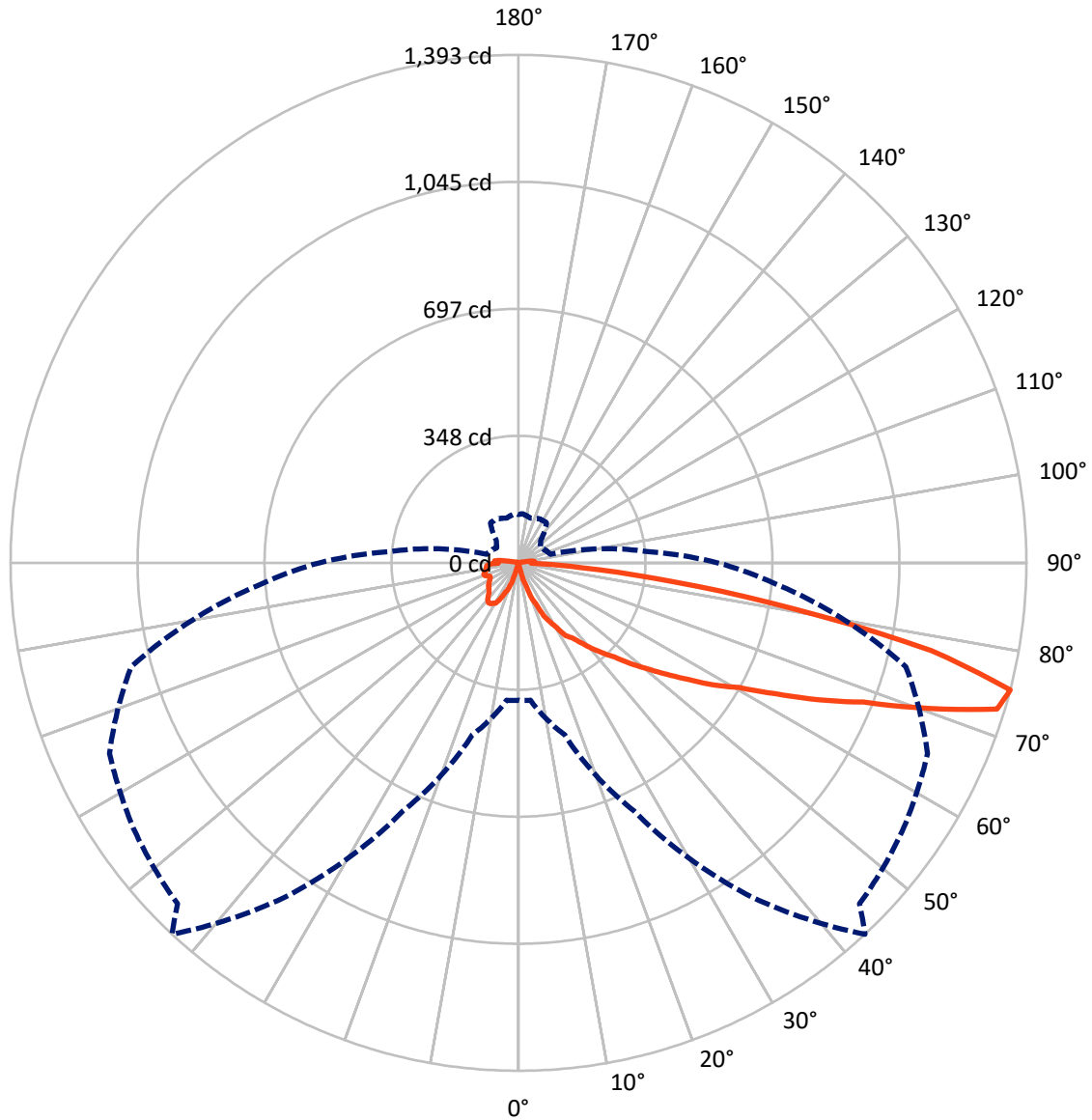
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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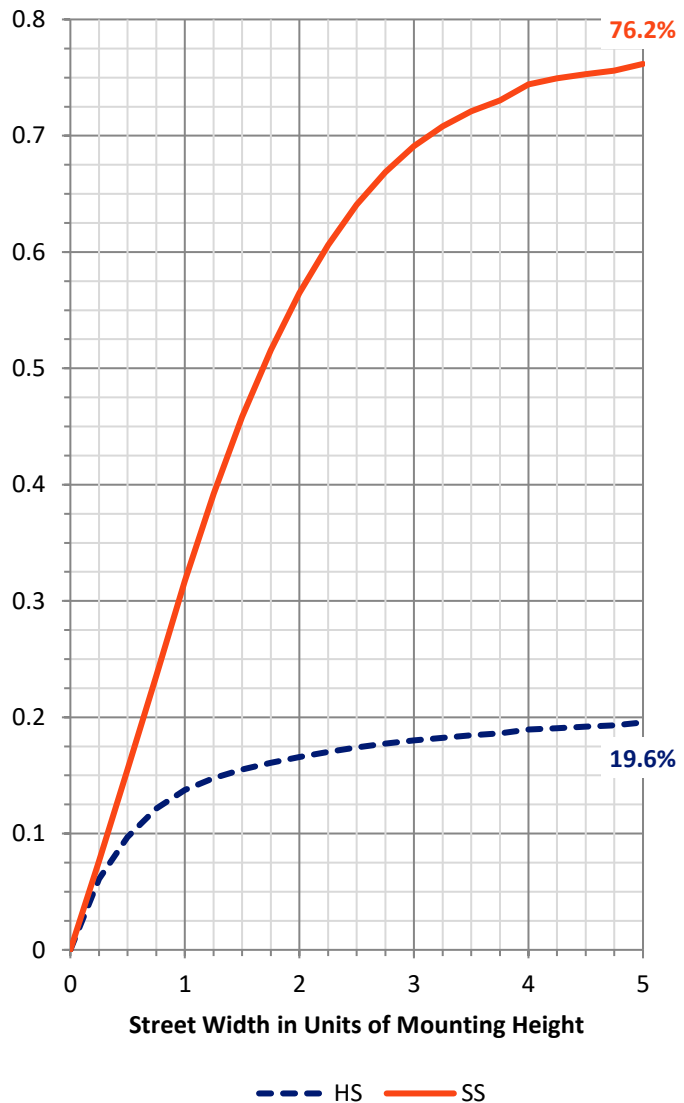
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.1	30.5	482.6
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	1665.3	22.1	1687.5
	% Fixture	76.7	1.0	77.8
Total	Lumens	2117.5	52.6	2170.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	12.9	0.6
20°-30°	70.5	3.2
30°-40°	165.0	7.6
40°-50°	250.0	11.5
50°-60°	388.8	17.9
60°-70°	585.7	27.0
70°-80°	527.0	24.3
80°-90°	117.5	5.4
90°-100°	40.4	1.9
100°-110°	6.6	0.3
110°-120°	2.1	0.1
120°-130°	1.6	0.1
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2117.5	97.6
0°-180°	2170.1	100.0

Coefficient of Utilization

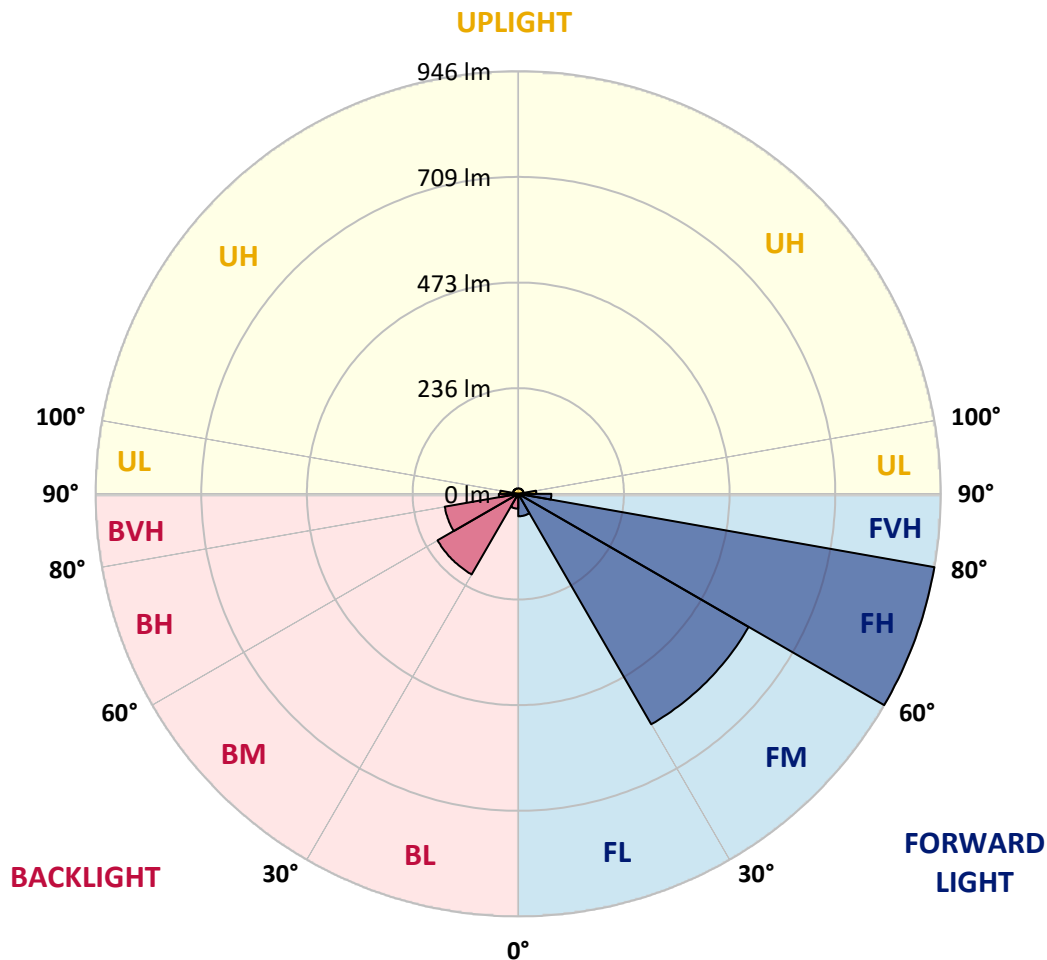


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.3	2.3			
FM (30°-60°)	595.4	27.4			
FH (60°-80°)	945.7	43.6			G1/1800
FVH (80°-90°)	74.0	3.4			G1/100
BL (0°-30°)	33.3	1.5	B0/110		
BM (30°-60°)	208.4	9.6	B0/220		
BH (60°-80°)	167.0	7.7	B1/500		G1/500
BVH (80°-90°)	43.5	2.0			G1/100
UL (90°-100°)	40.4	1.9		U2/50	
UH (100°-180°)	12.2	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	2.3	2.3	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5
10°	15.1	15.1	13.6	8.3	3.8	2.3	2.3	2.3	1.5	2.3	2.3
12.5°	62.6	62.6	58.0	54.3	16.6	9.8	6.8	3.8	6.8	9.8	12.8
15°	74.6	74.6	71.6	64.8	60.3	47.5	30.9	18.1	49.0	52.0	51.3
17.5°	135.7	116.8	92.7	80.7	67.8	61.8	69.4	56.5	61.8	63.3	62.6
20°	159.1	156.0	149.3	141.7	85.9	104.8	97.2	96.5	75.4	97.2	114.6
22.5°	171.9	171.9	160.6	150.8	153.0	120.6	113.8	109.3	125.9	137.2	136.4
25°	239.0	239.0	229.2	166.6	161.3	160.6	148.5	157.5	158.3	157.5	159.1
27.5°	253.3	251.0	242.0	221.6	179.4	183.2	186.2	175.6	195.2	228.4	226.1
30°	361.8	349.0	283.4	238.2	223.9	205.0	198.3	213.3	233.7	242.0	243.5
32.5°	419.9	415.4	385.2	317.4	248.0	239.0	226.1	238.2	242.7	297.8	320.4
35°	484.7	476.4	450.0	358.8	300.0	251.8	246.5	239.7	287.2	312.1	333.9
37.5°	533.7	532.9	509.6	408.6	333.2	277.4	260.1	266.9	297.0	327.2	347.5
40°	575.9	572.9	562.3	454.6	361.1	307.6	277.4	282.7	311.3	341.5	364.8
42.5°	620.4	618.1	618.9	493.0	396.5	337.7	301.5	297.8	328.7	364.8	391.2
45°	671.7	670.1	667.9	550.3	436.5	368.6	332.4	321.9	363.3	394.2	425.9
47.5°	693.5	690.5	706.3	599.3	480.9	411.6	366.4	353.5	401.8	438.0	481.7
50°	721.4	718.4	728.2	649.0	533.7	456.8	411.6	392.0	448.5	498.3	554.8
52.5°	774.2	801.3	762.9	703.3	606.8	507.3	456.8	441.7	511.1	578.9	674.7
55°	837.5	831.5	811.1	765.9	673.9	564.6	506.6	498.3	594.8	680.7	798.3
57.5°	849.6	842.8	859.4	830.0	751.6	632.5	563.9	567.6	679.2	787.0	937.0
60°	877.4	872.9	903.8	919.7	831.5	695.0	623.4	659.6	765.9	895.5	1071.2
62.5°	906.8	912.1	958.1	981.5	885.0	790.0	704.8	764.4	898.5	1013.1	1190.3
65°	902.3	909.9	1004.8	1016.9	950.6	905.3	805.8	883.5	1020.7	1134.5	1277.0
67.5°	879.7	887.2	1016.1	1065.1	1040.3	1019.9	921.2	1012.4	1133.7	1216.7	1304.1
70°	833.0	833.7	961.1	1103.6	1150.3	1196.3	1079.5	1139.0	1244.6	1288.3	1237.0
72.5°	673.9	679.2	799.0	1028.2	1231.0	1371.9	1258.9	1257.4	1304.1	1267.2	1017.7
75°	376.9	378.4	488.5	751.6	1120.9	1393.1	1322.9	1284.5	1237.8	1099.8	719.1
77.5°	114.6	128.1	171.1	382.2	784.7	1157.9	1139.0	1130.0	1035.0	775.7	391.2
80°	58.0	60.3	76.9	131.9	405.6	766.6	783.2	811.1	645.3	334.7	181.7
82.5°	33.2	34.7	46.7	70.1	172.6	428.2	470.4	443.2	277.4	157.5	125.9
85°	16.6	16.6	21.9	32.4	80.7	169.6	196.7	159.1	119.9	104.0	101.8
87.5°	9.0	9.0	7.5	9.8	24.9	37.7	43.7	59.6	64.1	65.6	86.7
90°	9.8	9.8	7.5	8.3	18.1	33.9	48.2	58.0	59.6	62.6	88.2
92.5°	9.8	9.8	7.5	7.5	16.6	40.0	55.0	63.3	61.8	67.1	90.5
95°	9.8	9.0	6.8	7.5	14.3	43.0	52.0	67.1	59.6	60.3	75.4
97.5°	6.0	6.0	4.5	6.0	10.6	33.2	36.2	48.2	40.7	27.1	35.4
100°	4.5	4.5	3.0	4.5	6.0	15.8	15.1	23.4	18.1	6.0	9.0
102.5°	4.5	5.3	3.0	3.0	3.8	4.5	5.3	7.5	7.5	4.5	6.0
105°	5.3	5.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.8	6.0
107.5°	4.5	4.5	2.3	1.5	1.5	2.3	2.3	1.5	2.3	3.0	6.8
110°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	5.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	1.5	2.3	0.8	1.5	0.8	1.5	1.5	1.5	1.5	2.3	3.0
115°	2.3	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	3.0
117.5°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.8
120°	2.3	2.3	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
122.5°	2.3	2.3	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
125°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0
127.5°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
130°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.0
132.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
142.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
145°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5
150°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5	1.5
10°	2.3	2.3	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5
12.5°	13.6	12.8	9.0	5.3	2.3	1.5	1.5	1.5	2.3	3.0	3.0
15°	52.0	50.5	49.0	44.5	12.8	3.0	2.3	6.8	26.4	36.9	43.0
17.5°	61.1	60.3	58.8	55.8	51.3	17.3	22.6	48.2	57.3	58.8	60.3
20°	112.3	110.1	85.2	64.1	58.8	61.8	54.3	60.3	63.3	65.6	67.8
22.5°	133.4	131.2	124.4	113.8	70.1	81.4	78.4	69.4	105.5	113.8	115.3
25°	156.0	152.3	137.9	126.6	116.8	90.5	97.2	110.1	119.1	125.1	125.1
27.5°	222.4	214.8	196.7	139.5	129.7	110.8	119.1	116.8	131.9	162.1	164.3
30°	240.5	232.2	206.5	172.6	137.9	128.1	122.9	150.8	170.4	177.1	179.4
32.5°	320.4	312.8	267.6	177.9	151.5	128.1	142.5	156.8	170.4	202.0	205.0
35°	336.2	324.1	277.4	205.0	150.8	134.2	143.2	159.8	197.5	211.8	214.8
37.5°	352.0	340.0	276.7	196.7	160.6	136.4	140.2	163.6	183.9	193.7	196.0
40°	373.9	355.8	271.4	183.2	153.0	131.2	138.7	153.8	165.8	168.9	171.1
42.5°	402.5	377.7	265.3	169.6	141.7	122.9	129.7	141.0	148.5	144.0	144.0
45°	442.5	404.0	254.0	156.0	131.2	113.8	122.1	130.4	134.2	125.9	123.6
47.5°	492.2	435.7	242.0	143.2	124.4	108.5	117.6	124.4	124.4	113.1	111.6
50°	552.5	474.9	226.1	132.7	116.8	105.5	113.1	119.1	115.3	104.0	103.3
52.5°	644.5	534.5	211.1	123.6	110.1	102.5	112.3	111.6	106.3	96.5	95.7
55°	758.3	612.1	197.5	116.8	105.5	97.2	110.1	107.0	101.0	92.0	92.0
57.5°	871.4	697.3	183.2	112.3	100.3	92.7	106.3	104.8	98.0	89.0	88.2
60°	982.2	775.7	162.1	108.5	93.5	88.2	101.8	105.5	96.5	87.4	87.4
62.5°	1071.9	813.4	138.7	102.5	86.7	85.2	99.5	108.5	104.0	100.3	100.3
65°	1101.3	790.8	120.6	98.0	82.2	82.9	100.3	119.9	121.4	125.9	126.6
67.5°	1081.0	726.7	108.5	94.2	79.2	86.7	114.6	134.9	131.2	134.2	135.7
70°	992.8	632.5	101.8	89.7	79.2	92.7	125.9	134.9	129.7	138.7	139.5
72.5°	805.8	511.8	95.7	85.9	76.1	92.0	132.7	133.4	129.7	140.2	138.7
75°	546.5	352.8	90.5	81.4	72.4	85.2	134.2	133.4	126.6	134.9	132.7
77.5°	275.9	179.4	83.7	76.1	67.1	81.4	132.7	134.2	125.1	131.9	129.7
80°	140.2	115.3	74.6	70.1	61.1	79.9	129.7	132.7	119.9	125.9	125.1
82.5°	107.8	90.5	62.6	61.1	55.8	78.4	125.1	128.1	113.8	118.3	115.3
85°	88.2	71.6	46.0	47.5	50.5	79.2	124.4	126.6	110.1	107.8	106.3
87.5°	74.6	55.0	22.6	24.1	36.9	70.9	106.3	104.8	85.9	85.2	86.7
90°	74.6	50.5	15.1	15.1	30.2	50.5	70.1	63.3	59.6	63.3	62.6
92.5°	73.9	46.0	15.8	15.8	33.9	55.8	79.2	65.6	61.1	62.6	61.8
95°	61.1	37.7	18.1	17.3	29.4	61.8	82.2	67.1	62.6	60.3	60.3
97.5°	30.9	21.1	17.3	17.3	23.4	50.5	65.6	52.8	40.0	33.2	35.4
100°	7.5	8.3	16.6	16.6	14.3	25.6	36.2	32.4	16.6	8.3	7.5
102.5°	6.0	5.3	12.8	14.3	9.0	9.0	16.6	18.8	12.8	3.8	3.8
105°	6.0	5.3	6.0	7.5	4.5	3.8	6.0	10.6	6.0	3.8	3.8
107.5°	6.8	6.0	3.0	3.0	3.0	3.0	3.0	3.8	3.0	3.8	3.8
110°	6.0	5.3	3.0	3.0	2.3	3.0	2.3	3.0	3.0	3.8	3.8

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CANDELA DISTRIBUTION (continued):

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