

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: P694694

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2069 lumens
Efficiency: N/A
Efficacy: 94.9 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

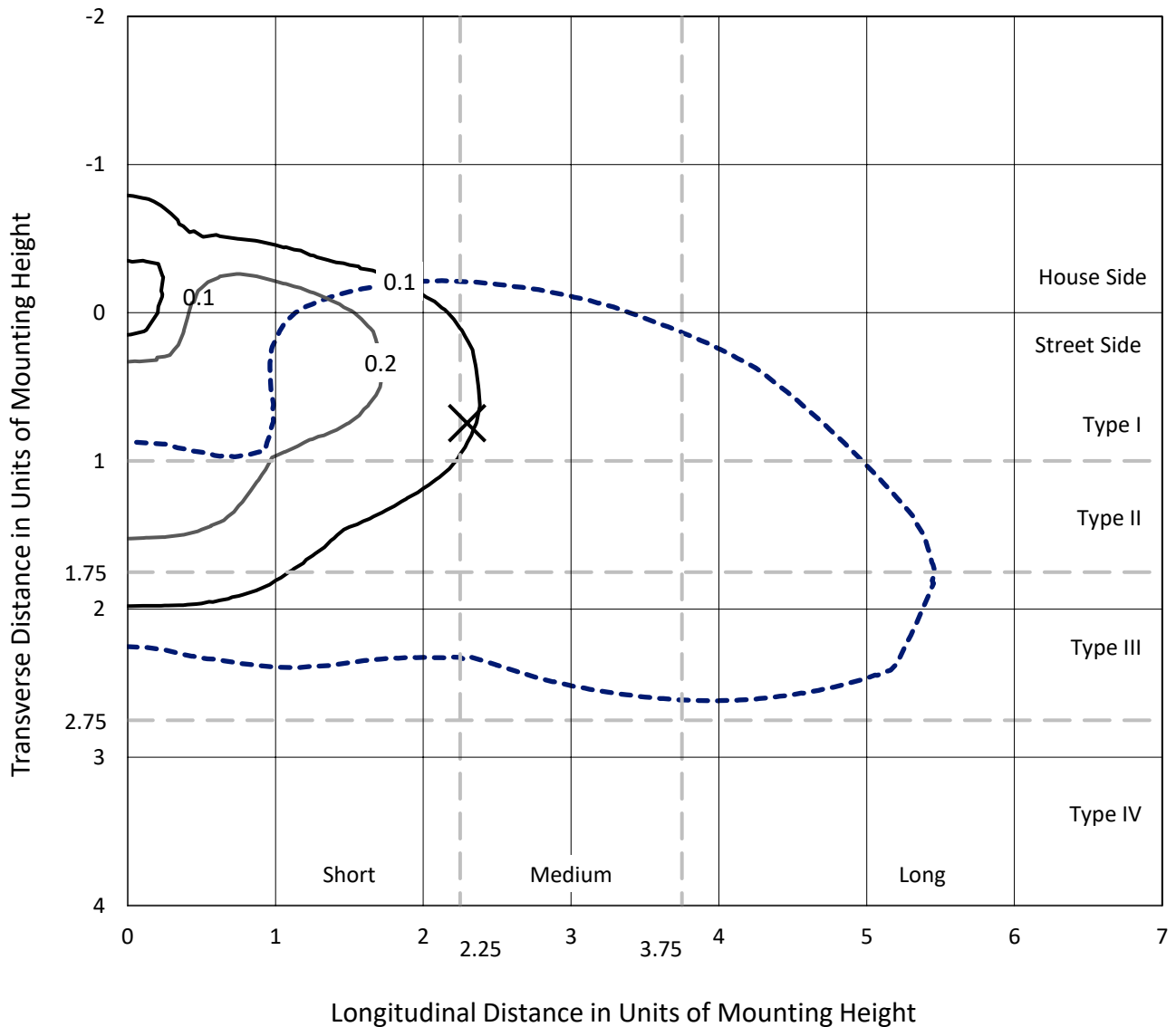
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

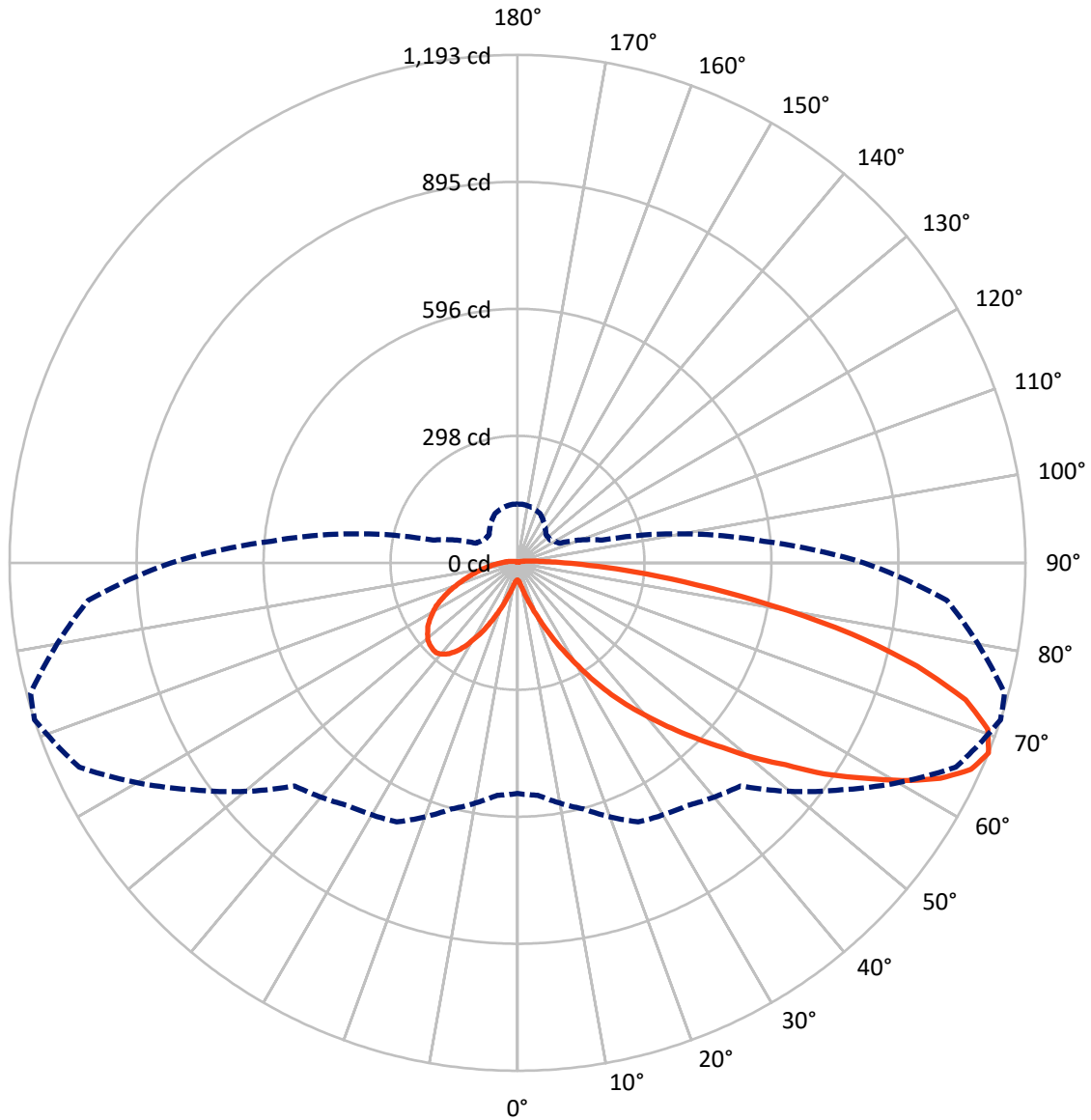
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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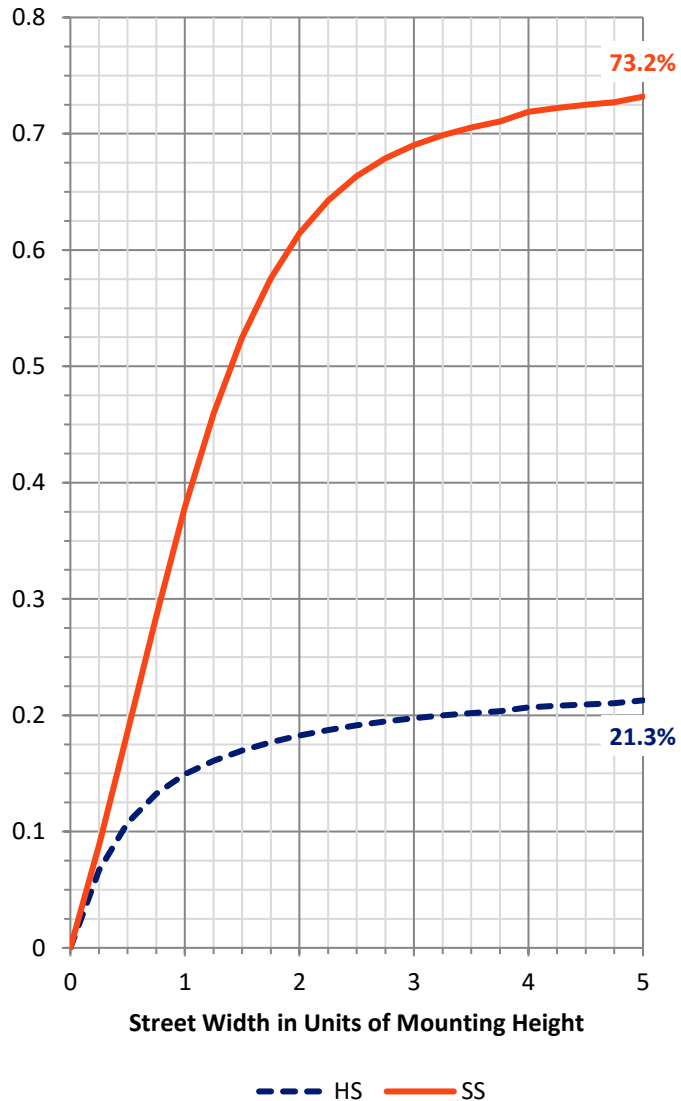
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	462.1	34.7	496.9
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	1540.2	32.0	1572.2
	% Fixture	74.4	1.5	76.0
Total	Lumens	2002.3	66.7	2069.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	24.4	1.2
20°-30°	78.3	3.8
30°-40°	175.1	8.5
40°-50°	292.0	14.1
50°-60°	425.0	20.5
60°-70°	509.4	24.6
70°-80°	365.7	17.7
80°-90°	127.8	6.2
90°-100°	35.0	1.7
100°-110°	15.0	0.7
110°-120°	7.7	0.4
120°-130°	4.6	0.2
130°-140°	2.8	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2002.3	96.8
0°-180°	2069.0	100.0

Coefficient of Utilization



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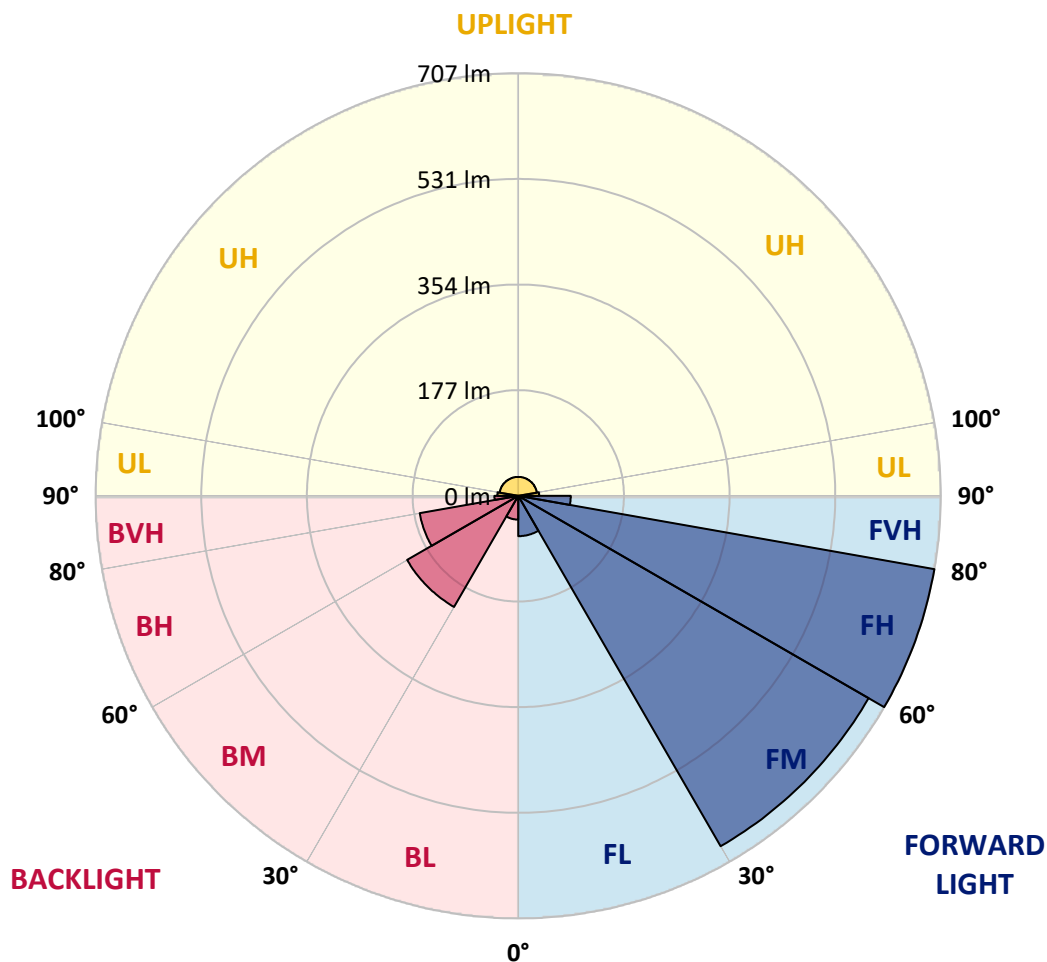
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.5	3.3			
FM (30°-60°)	677.3	32.7			
FH (60°-80°)	707.5	34.2			G1/1800
FVH (80°-90°)	87.9	4.2			G1/100
BL (0°-30°)	39.8	1.9	B0/110		
BM (30°-60°)	214.8	10.4	B0/220		
BH (60°-80°)	167.6	8.1	B1/500		G1/500
BVH (80°-90°)	39.9	1.9			G1/100
UL (90°-100°)	35.0	1.7		U2/50	
UH (100°-180°)	31.7	1.5		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°	72°	75°	85°
0°	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2.5°	42.9	42.9	42.9	43.7	42.9	42.9	42.9	42.2	42.2	42.2	41.4
5°	49.7	49.7	49.0	49.0	48.2	48.2	47.5	46.7	46.0	45.2	44.5
7.5°	58.0	58.0	57.3	57.3	56.5	55.0	54.3	52.7	52.0	51.2	50.5
10°	70.8	70.1	70.1	69.3	67.8	66.3	64.8	62.5	61.0	60.3	58.8
12.5°	87.4	86.6	85.9	82.9	81.4	79.1	76.9	75.3	73.8	72.3	70.1
15°	108.5	107.7	105.5	103.2	98.0	95.7	92.7	91.9	90.4	89.7	85.9
17.5°	134.1	131.9	130.4	125.1	119.8	114.5	113.0	111.5	110.8	110.0	107.7
20°	165.8	163.5	160.5	150.7	144.7	138.6	134.9	135.6	134.9	134.9	132.6
22.5°	204.2	204.9	196.7	183.8	170.3	162.8	161.2	163.5	165.0	166.5	162.0
25°	250.9	250.2	237.3	220.0	202.7	192.1	190.6	195.1	200.4	203.4	199.7
27.5°	302.9	299.1	286.3	260.7	238.9	223.0	223.8	233.6	238.9	241.1	238.1
30°	357.1	355.6	336.8	305.9	274.3	254.7	257.7	272.0	281.8	287.1	279.5
32.5°	415.9	411.4	389.5	353.4	311.9	287.8	294.6	315.0	330.8	331.5	327.8
35°	471.7	471.7	446.1	402.4	351.1	322.5	330.8	363.9	379.8	384.3	376.0
37.5°	526.7	522.9	501.1	446.8	390.3	356.4	367.7	406.9	428.7	433.2	422.7
40°	572.6	571.9	547.0	495.8	425.7	389.5	404.6	452.8	478.5	486.0	468.7
42.5°	619.4	616.3	596.8	538.7	467.9	423.5	443.8	502.6	531.2	535.7	517.6
45°	654.0	651.8	637.4	583.9	507.8	459.6	485.2	552.3	587.7	592.2	564.4
47.5°	687.2	687.2	675.1	630.7	549.3	500.3	532.7	611.1	648.0	655.5	623.9
50°	719.6	716.6	713.5	675.1	591.5	545.5	579.4	672.9	718.8	726.3	682.6
52.5°	738.4	742.9	746.7	720.3	638.9	588.5	635.9	739.9	788.1	798.7	751.2
55°	755.7	753.5	770.8	753.5	679.6	635.9	699.2	816.8	874.8	878.5	825.1
57.5°	755.0	757.2	782.9	784.4	719.6	679.6	758.7	892.9	953.1	966.0	892.9
60°	736.9	742.9	776.1	791.9	751.2	718.8	820.5	972.7	1038.3	1051.1	959.9
62.5°	700.0	702.2	749.7	784.4	760.3	749.0	875.5	1046.6	1114.4	1113.6	1011.2
65°	630.7	634.4	684.9	741.4	743.7	756.5	913.2	1106.9	1170.1	1165.6	1027.7
67.5°	541.7	547.8	598.3	671.3	695.5	740.7	929.0	1135.5	1192.7	1183.7	1011.9
70°	430.2	445.3	485.2	562.1	623.9	690.2	907.9	1127.9	1171.6	1159.6	947.1
72.5°	316.5	323.2	365.4	440.8	516.9	615.6	839.4	1065.4	1100.8	1072.2	845.4
75°	222.3	224.5	259.9	324.7	406.9	513.9	736.1	944.1	969.0	941.1	705.3
77.5°	137.1	141.7	169.5	223.0	299.1	409.9	599.0	786.6	802.4	766.3	550.0
80°	84.4	87.4	107.0	147.7	208.0	299.1	463.4	597.5	602.8	577.9	393.3
82.5°	54.3	57.3	70.1	94.9	138.6	208.7	326.3	425.7	422.7	396.3	265.2
85°	35.4	37.7	46.0	63.3	91.9	143.9	217.8	282.6	275.8	256.2	172.5
87.5°	23.4	24.9	32.4	44.5	63.3	95.7	140.1	171.0	167.3	154.5	107.7
90°	15.8	16.6	22.6	30.9	44.5	65.6	90.4	103.2	96.4	91.2	70.1
92.5°	11.3	12.8	16.6	23.4	33.9	46.7	58.8	64.0	60.3	58.0	47.5
95°	9.0	9.0	13.6	18.8	26.4	35.4	41.4	41.4	39.2	38.4	34.7
97.5°	7.5	7.5	11.3	15.8	21.9	27.9	30.1	29.4	27.9	28.6	26.4
100°	6.0	6.8	9.8	13.6	18.1	22.6	23.4	21.9	21.1	21.1	20.3
102.5°	5.3	6.0	9.0	12.1	15.8	18.8	19.6	18.1	16.6	16.6	15.8
105°	5.3	5.3	7.5	10.5	13.6	15.8	15.8	14.3	13.6	12.8	12.1
107.5°	4.5	4.5	6.8	9.8	12.1	13.6	13.6	12.1	10.5	10.5	9.8
110°	3.8	4.5	6.0	8.3	10.5	12.1	12.1	10.5	9.0	8.3	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	3.8	3.8	5.3	7.5	9.0	10.5	9.8	8.3	7.5	6.8	6.8
115°	3.8	3.8	4.5	6.8	8.3	9.0	9.0	7.5	6.0	6.0	6.0
117.5°	3.8	3.8	4.5	6.0	7.5	8.3	7.5	6.8	5.3	5.3	5.3
120°	3.8	3.8	4.5	5.3	6.8	7.5	6.8	6.0	4.5	4.5	5.3
122.5°	3.0	3.8	3.8	5.3	6.0	6.8	6.0	5.3	4.5	4.5	4.5
125°	3.0	3.8	3.8	4.5	5.3	6.0	5.3	4.5	3.8	3.8	4.5
127.5°	3.0	3.0	3.8	4.5	5.3	5.3	5.3	4.5	3.8	3.8	4.5
130°	3.0	3.8	3.8	3.8	4.5	5.3	4.5	3.8	3.8	3.8	3.8
132.5°	3.0	3.0	3.8	3.8	4.5	4.5	3.8	3.8	3.0	3.0	3.8
135°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.8
137.5°	3.0	3.0	3.0	3.0	3.8	3.8	3.0	3.0	3.0	3.0	3.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.3	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	2.3	3.0	2.3	2.3	2.3	2.3	2.3	3.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2.5°	40.7	40.7	40.7	39.9	39.9	39.9	39.2	39.2	39.2	39.2	39.2
5°	44.5	43.7	42.9	42.2	40.7	40.7	39.9	39.9	39.2	39.2	39.2
7.5°	49.7	49.0	47.5	46.0	44.5	42.9	42.2	41.4	40.7	40.7	40.7
10°	57.3	56.5	53.5	51.2	49.0	47.5	46.0	45.2	44.5	43.7	43.7
12.5°	68.6	67.8	64.0	59.5	55.8	52.7	50.5	49.7	49.0	48.2	49.0
15°	84.4	82.9	77.6	70.1	64.8	59.5	57.3	56.5	57.3	57.3	56.5
17.5°	105.5	101.7	93.4	83.6	75.3	68.6	65.6	65.6	65.6	66.3	66.3
20°	129.6	125.8	113.8	100.2	86.6	78.4	74.6	74.6	75.3	76.1	77.6
22.5°	158.2	152.2	136.4	116.8	99.5	88.2	83.6	83.6	85.9	88.2	88.2
25°	193.6	186.1	162.8	134.1	112.3	98.0	91.9	92.7	96.4	98.7	99.5
27.5°	232.1	222.3	191.4	154.5	123.6	105.5	99.5	101.0	105.5	109.3	109.3
30°	275.8	259.2	217.8	171.8	133.4	111.5	105.5	108.5	113.8	118.3	119.0
32.5°	315.7	299.1	247.9	188.4	141.7	115.3	109.3	113.8	119.8	125.1	125.1
35°	360.2	339.1	272.8	201.2	146.2	117.5	111.5	117.5	124.3	128.8	128.8
37.5°	403.1	373.7	292.3	208.7	147.7	117.5	112.3	119.8	125.8	129.6	130.4
40°	442.3	407.6	306.7	211.0	146.2	116.0	112.3	119.8	125.8	128.1	128.8
42.5°	484.5	436.3	317.2	208.7	142.4	113.8	111.5	119.0	124.3	125.1	125.8
45°	526.7	467.9	320.2	201.2	137.1	110.8	109.3	116.8	121.3	121.3	121.3
47.5°	572.6	498.8	320.2	192.1	130.4	107.7	107.7	115.3	118.3	117.5	117.5
50°	620.9	528.2	318.0	181.6	124.3	104.7	105.5	113.8	116.8	114.5	114.5
52.5°	671.3	559.8	310.4	168.8	117.5	101.7	104.7	113.0	116.0	113.8	113.8
55°	732.4	590.7	302.1	156.7	111.5	99.5	104.0	113.0	116.0	113.8	113.8
57.5°	775.3	617.8	289.3	145.4	107.0	98.0	104.0	114.5	117.5	116.0	116.0
60°	825.1	635.9	272.8	134.1	102.5	96.4	105.5	116.0	120.6	120.6	120.6
62.5°	852.2	640.5	255.4	124.3	99.5	95.7	107.0	119.0	125.1	125.8	126.6
65°	852.2	620.9	231.3	116.0	96.4	94.9	108.5	122.8	130.4	132.6	133.4
67.5°	813.8	580.2	205.7	108.5	93.4	94.2	110.0	126.6	134.1	137.9	137.9
70°	750.5	516.1	178.6	101.0	90.4	93.4	110.8	128.1	136.4	140.1	140.1
72.5°	646.5	441.5	153.0	94.9	87.4	91.9	110.0	128.1	135.6	138.6	137.9
75°	523.7	352.6	128.1	88.2	83.6	88.2	106.2	124.3	130.4	131.9	131.9
77.5°	407.6	269.0	107.7	80.6	78.4	83.6	101.0	116.8	122.1	122.8	122.1
80°	290.1	194.4	90.4	73.8	72.3	76.9	91.9	105.5	110.0	110.8	109.3
82.5°	195.1	139.4	73.8	64.8	64.8	69.3	82.1	92.7	96.4	95.7	94.9
85°	126.6	94.2	60.3	55.8	56.5	61.0	70.1	78.4	80.6	79.9	77.6
87.5°	82.9	66.3	48.2	47.5	48.2	52.0	58.8	63.3	66.3	64.8	64.0
90°	56.5	47.5	39.2	39.2	40.7	43.7	48.2	50.5	51.2	51.2	50.5
92.5°	41.4	36.9	32.4	32.4	34.7	36.9	39.2	39.9	41.4	40.7	39.9
95°	31.6	30.1	27.1	27.1	29.4	31.6	32.4	31.6	33.2	33.2	32.4
97.5°	24.9	24.9	23.4	23.4	24.9	26.4	27.1	26.4	27.1	26.4	26.4
100°	19.6	19.6	20.3	20.3	21.1	22.6	22.6	22.6	22.6	21.9	21.1
102.5°	15.8	16.6	17.3	18.1	18.8	18.8	19.6	18.8	18.8	17.3	17.3
105°	12.8	12.8	14.3	15.1	15.8	16.6	16.6	16.6	15.8	14.3	14.3
107.5°	10.5	11.3	12.1	13.6	13.6	14.3	15.1	14.3	12.8	11.3	12.1
110°	8.3	9.0	10.5	11.3	12.1	12.8	12.8	12.1	10.5	9.8	9.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	7.5	9.0	9.8	10.5	11.3	11.3	10.5	9.0	8.3	8.3
115°	6.8	6.8	7.5	8.3	9.0	9.8	9.8	9.0	7.5	6.8	6.8
117.5°	6.0	6.0	6.8	7.5	8.3	9.0	8.3	8.3	6.8	6.0	6.0
120°	5.3	6.0	6.0	6.8	7.5	7.5	7.5	6.8	6.0	6.0	6.0
122.5°	5.3	5.3	6.0	6.0	6.8	6.8	6.8	6.0	5.3	5.3	5.3
125°	4.5	5.3	5.3	5.3	6.0	6.0	6.0	5.3	4.5	4.5	4.5
127.5°	4.5	4.5	4.5	5.3	5.3	5.3	5.3	4.5	4.5	4.5	4.5
130°	4.5	4.5	4.5	4.5	4.5	5.3	4.5	4.5	3.8	4.5	4.5
132.5°	3.8	3.8	3.8	4.5	4.5	4.5	4.5	3.8	3.8	3.8	3.8
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
137.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.8	3.8
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	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)