

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: P694698

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2051 lumens
Efficiency: N/A
Efficacy: 94.1 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 - U3 - G2

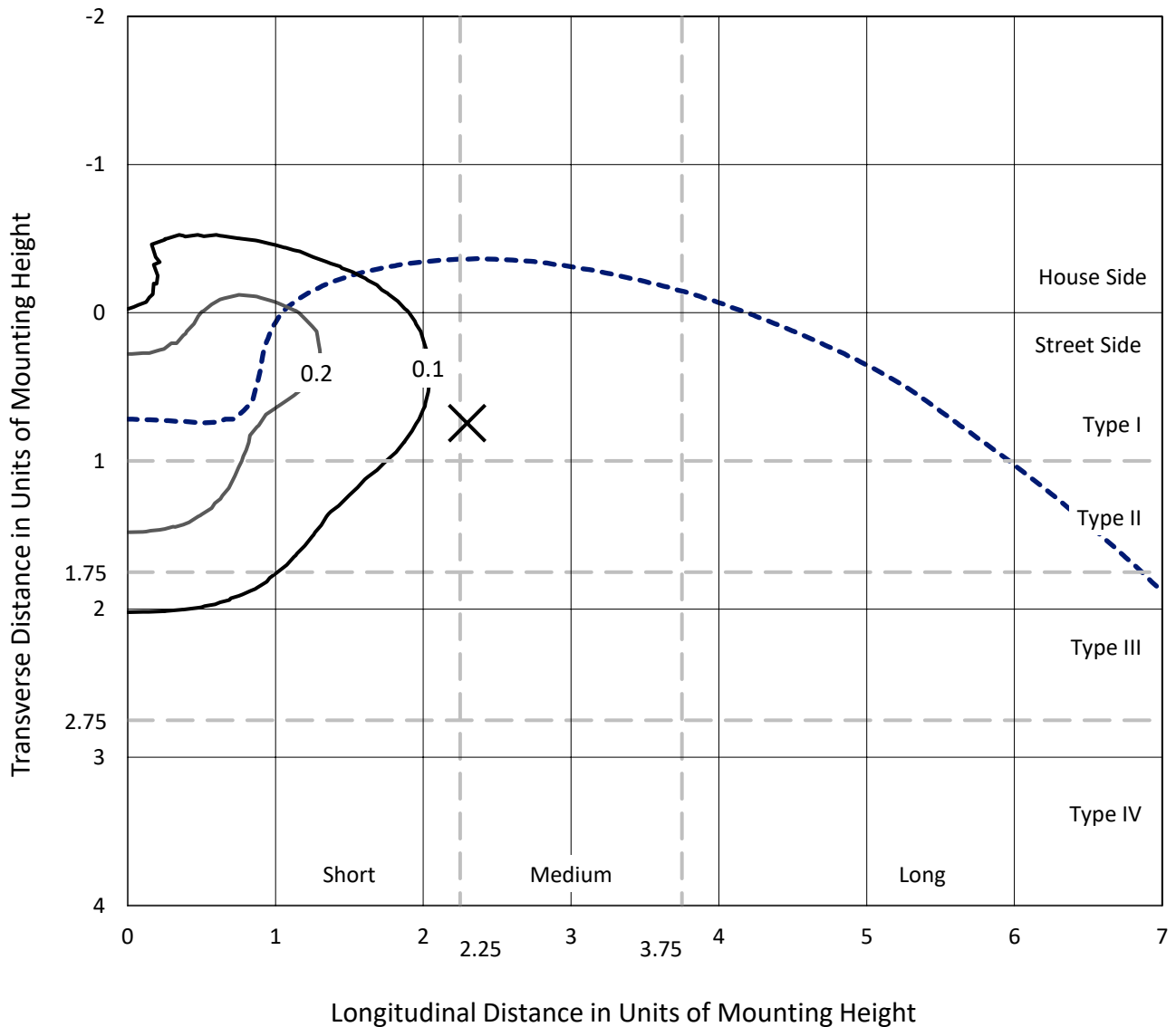
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

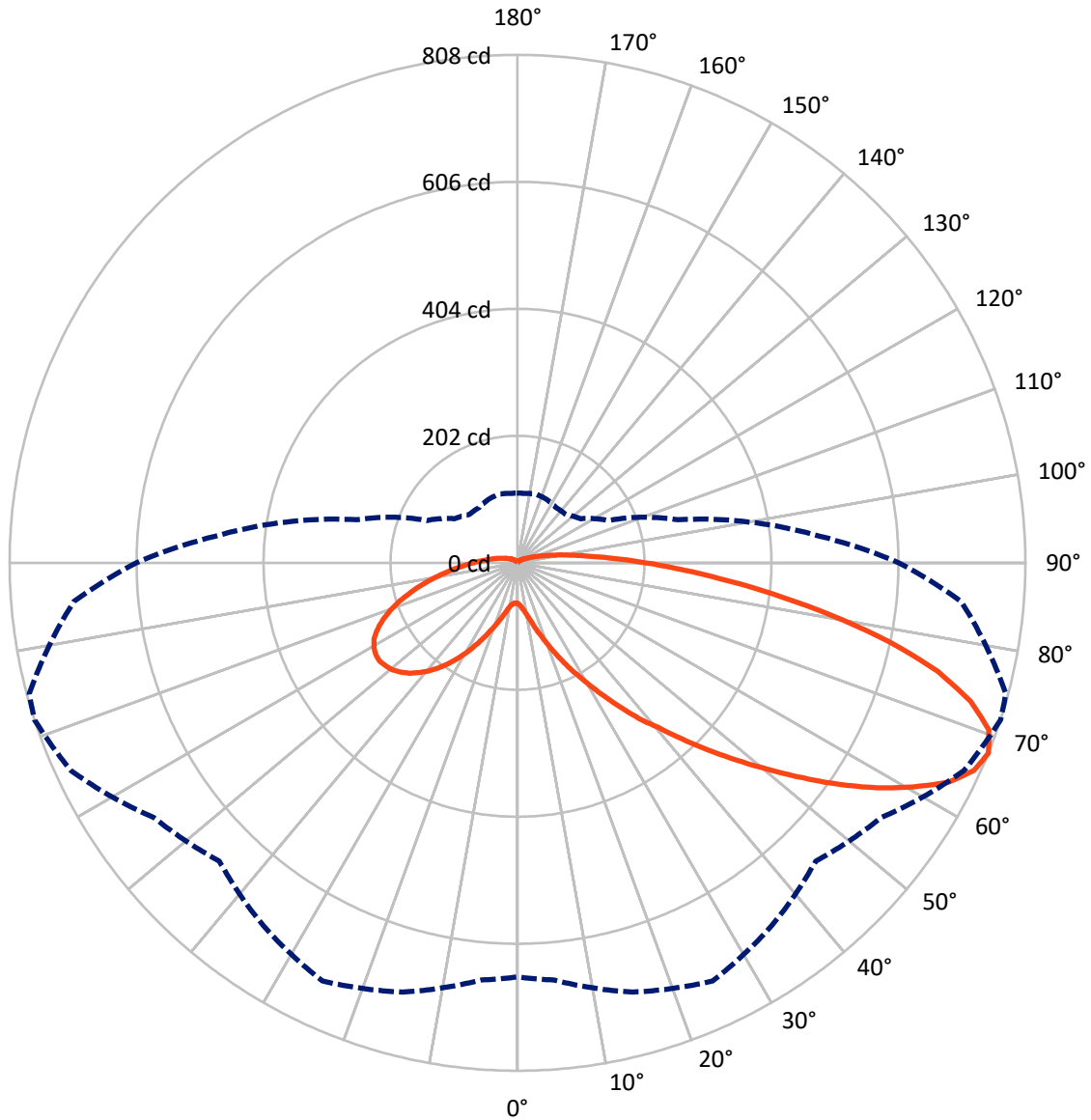
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - 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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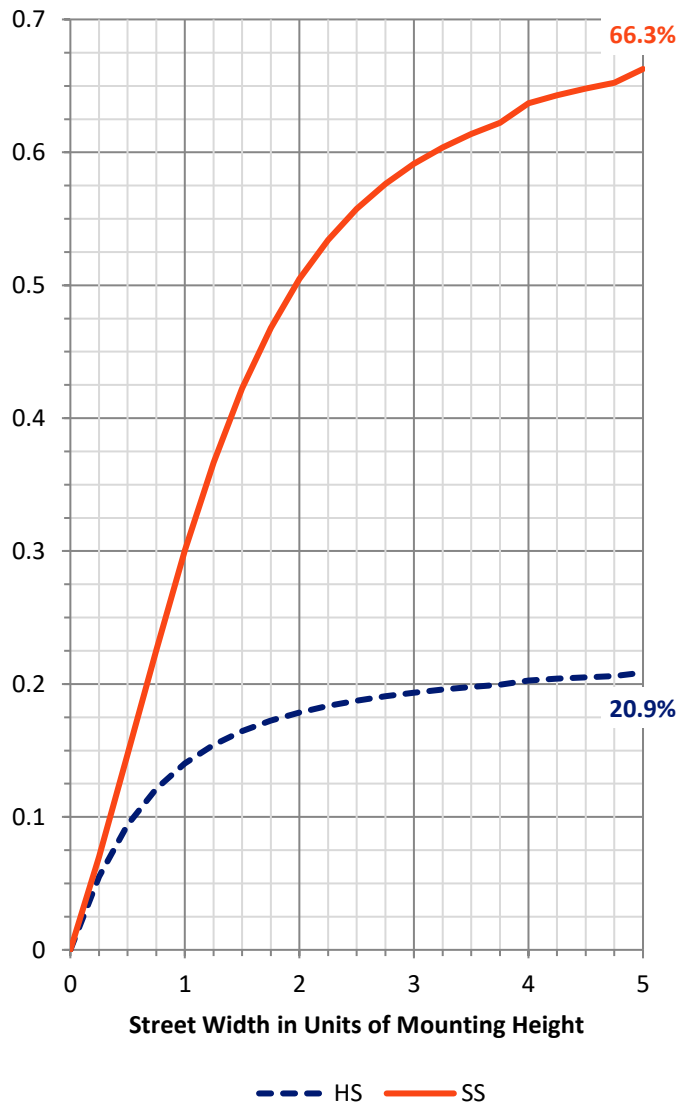
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	453.1	60.7	513.8
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	1436.0	101.3	1537.3
	% Fixture	70.0	4.9	75.0
Total	Lumens	1889.1	161.9	2051.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.3
10°-20°	28.1	1.4
20°-30°	72.0	3.5
30°-40°	144.7	7.1
40°-50°	243.5	11.9
50°-60°	359.7	17.5
60°-70°	443.2	21.6
70°-80°	382.7	18.7
80°-90°	208.2	10.2
90°-100°	88.5	4.3
100°-110°	38.8	1.9
110°-120°	18.7	0.9
120°-130°	9.5	0.5
130°-140°	4.6	0.2
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1889.1	92.1
0°-180°	2051.0	100.0

Coefficient of Utilization

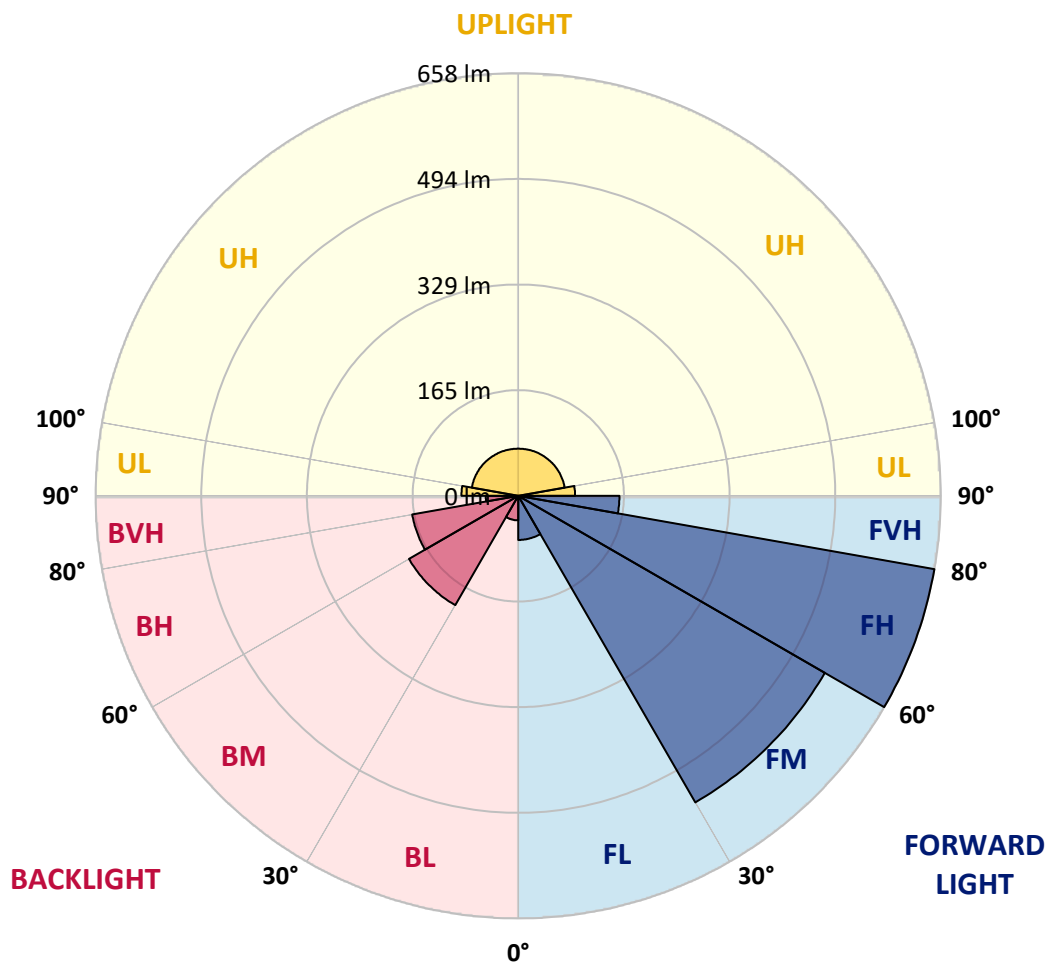


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.8	3.4			
FM (30°-60°)	551.4	26.9			
FH (60°-80°)	658.2	32.1			G0/660
FVH (80°-90°)	157.6	7.7			G2/225
BL (0°-30°)	38.2	1.9	B0/110		
BM (30°-60°)	196.5	9.6	B0/220		
BH (60°-80°)	167.7	8.2	B1/500		G1/500
BVH (80°-90°)	50.6	2.5			G1/100
UL (90°-100°)	88.5	4.3		U3/500	
UH (100°-180°)	73.5	3.6		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	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°	70.8	70.8	70.8	70.1	69.3	69.3	68.6	67.8	67.1	66.3	65.5
5°	79.1	79.1	78.4	78.4	76.9	76.1	74.6	72.3	71.6	70.8	68.6
7.5°	89.7	89.7	88.2	88.2	85.9	84.4	82.1	79.1	76.9	76.1	73.1
10°	101.7	101.0	101.0	98.7	96.4	94.9	91.2	87.4	85.1	83.6	79.9
12.5°	117.5	116.8	115.3	113.0	110.0	106.2	102.5	98.7	94.9	93.4	88.9
15°	134.9	134.9	133.4	129.6	125.8	120.6	116.0	111.5	108.5	107.0	101.0
17.5°	155.2	154.5	152.9	148.4	142.4	137.1	131.9	126.6	122.8	121.3	114.5
20°	180.1	179.3	174.8	168.0	162.7	155.2	148.4	142.4	139.4	137.9	130.3
22.5°	207.2	205.7	201.2	192.9	182.3	174.8	167.3	161.2	158.2	156.0	149.2
25°	238.1	235.8	229.8	217.0	204.9	194.4	186.9	180.8	179.3	177.8	168.8
27.5°	272.0	270.5	262.2	246.4	229.8	217.7	208.0	204.2	201.2	199.7	189.9
30°	311.2	308.9	296.1	278.0	256.2	238.8	229.8	227.5	225.3	226.0	217.0
32.5°	349.6	349.6	333.8	309.7	282.5	262.2	251.7	253.2	252.4	252.4	241.9
35°	391.0	391.8	372.2	345.8	310.4	287.1	276.5	280.3	281.8	281.0	270.5
37.5°	434.7	433.2	413.6	380.5	339.8	311.2	302.1	307.4	314.2	311.9	302.1
40°	483.0	479.9	461.1	418.2	372.2	337.5	329.3	339.8	344.3	347.3	333.8
42.5°	526.7	525.2	503.3	458.8	404.6	365.4	356.4	370.7	382.8	383.5	369.9
45°	569.6	566.6	548.5	498.8	436.2	397.1	389.5	409.9	424.2	425.7	410.6
47.5°	608.8	608.8	588.4	539.5	475.4	428.7	423.4	450.6	468.6	470.2	453.6
50°	649.5	648.0	630.6	580.9	512.3	463.4	461.1	495.8	516.1	518.4	496.5
52.5°	679.6	679.6	668.3	621.6	547.8	497.3	501.0	541.7	568.1	574.1	545.5
55°	706.0	706.7	699.2	657.0	588.4	534.2	539.5	590.7	622.3	630.6	594.5
57.5°	723.3	724.1	726.3	693.2	623.9	568.1	581.7	642.7	675.1	681.9	641.2
60°	730.1	732.4	742.9	721.0	655.5	603.5	621.6	689.4	723.3	730.8	678.9
62.5°	723.3	727.1	748.2	740.6	684.1	633.6	657.8	732.4	768.5	771.5	709.0
65°	703.0	707.5	736.1	745.2	700.7	657.8	689.4	765.5	797.1	797.9	718.8
67.5°	658.5	666.0	706.7	733.9	704.5	670.6	706.0	782.8	807.7	803.9	708.2
70°	604.3	610.3	657.0	700.7	690.9	668.3	708.2	779.1	794.9	785.8	672.8
72.5°	528.9	535.7	590.7	648.0	656.3	650.2	689.4	753.4	753.4	739.9	617.8
75°	447.5	460.4	509.3	577.1	607.3	610.3	652.5	700.7	690.2	670.6	540.2
77.5°	368.4	373.0	421.2	496.5	535.7	553.8	591.5	623.9	605.0	581.7	458.1
80°	293.1	296.9	340.6	409.9	459.6	490.5	521.4	531.9	505.6	482.2	373.7
82.5°	227.5	232.1	271.2	332.3	382.0	412.9	438.5	440.8	409.9	388.8	297.6
85°	171.0	175.6	208.7	263.0	309.7	342.1	357.9	356.4	322.5	305.1	230.6
87.5°	132.6	131.9	159.0	201.9	245.6	271.2	283.3	273.5	250.1	235.1	177.1
90°	98.7	101.7	122.8	157.5	191.4	213.2	223.0	211.7	192.1	180.1	136.4
92.5°	76.1	77.6	96.4	122.8	151.4	170.3	177.1	164.3	145.4	138.6	104.7
95°	59.5	61.0	74.6	96.4	117.5	131.9	135.6	125.8	110.8	105.5	81.4
97.5°	48.2	49.0	58.8	76.9	93.4	104.7	106.2	96.4	86.6	80.6	64.0
100°	38.4	38.4	47.5	61.0	73.8	82.9	82.1	76.1	67.8	63.3	49.7
102.5°	31.6	31.6	38.4	50.5	60.3	67.1	67.1	59.5	52.7	49.0	39.2
105°	26.4	26.4	31.6	40.7	49.7	55.0	54.2	48.2	41.4	38.4	30.9
107.5°	22.6	22.6	26.4	33.9	40.7	45.2	44.5	38.4	33.2	30.9	25.6
110°	19.6	19.6	22.6	28.6	34.7	37.7	36.9	30.9	26.4	24.9	21.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	16.6	17.3	18.8	24.1	29.4	32.4	30.9	25.6	21.1	19.6	18.1
115°	15.1	15.1	16.6	20.3	24.9	27.1	25.6	21.1	17.3	16.6	15.1
117.5°	13.6	13.6	15.1	18.1	21.8	23.4	21.8	17.3	15.1	13.6	12.8
120°	12.1	12.1	12.8	15.8	18.1	19.6	18.1	14.3	12.1	12.1	11.3
122.5°	11.3	11.3	12.1	13.6	15.8	16.6	15.1	12.1	10.5	10.5	10.5
125°	9.8	10.5	10.5	12.1	13.6	14.3	12.8	10.5	9.0	9.0	9.0
127.5°	9.0	9.0	9.8	10.5	11.3	12.1	10.5	9.0	8.3	7.5	8.3
130°	8.3	8.3	8.3	9.0	9.8	9.8	9.0	7.5	6.8	6.8	7.5
132.5°	7.5	7.5	7.5	7.5	8.3	8.3	7.5	6.0	6.0	6.0	6.8
135°	6.8	6.8	6.8	6.8	6.8	6.8	6.0	5.3	5.3	5.3	6.0
137.5°	6.0	6.0	6.0	6.0	5.3	5.3	4.5	4.5	4.5	4.5	5.3
140°	5.3	5.3	5.3	4.5	4.5	3.8	3.8	3.8	3.8	3.8	4.5
142.5°	4.5	4.5	4.5	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.8
145°	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0
147.5°	3.0	3.0	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	2.3	2.3	1.5	1.5	1.5	0.8	0.8	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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	65.5	64.8	64.0	63.3	62.5	62.5	61.8	61.0	61.0	61.0	60.3
5°	67.8	66.3	64.8	63.3	61.0	60.3	58.8	58.0	57.3	56.5	56.5
7.5°	71.6	70.1	67.1	64.0	61.8	59.5	57.3	55.8	55.0	54.2	54.2
10°	77.6	75.3	70.8	67.1	63.3	60.3	58.0	55.8	55.0	54.2	53.5
12.5°	85.9	83.6	77.6	71.6	67.1	62.5	59.5	57.3	55.8	55.0	55.0
15°	97.9	94.2	86.6	79.1	72.3	67.1	63.3	61.0	60.3	59.5	59.5
17.5°	110.8	105.5	97.2	87.4	79.9	73.1	68.6	67.1	65.5	64.8	64.8
20°	125.8	119.8	109.2	97.2	87.4	80.6	75.3	72.3	70.8	70.1	70.1
22.5°	142.4	137.1	122.1	108.5	96.4	88.9	81.4	77.6	76.1	75.3	76.1
25°	162.0	154.5	137.1	120.6	106.2	95.7	88.2	82.9	82.1	81.4	82.1
27.5°	183.8	174.0	153.7	131.9	115.3	102.5	94.2	88.9	88.2	87.4	88.2
30°	207.2	198.2	171.0	145.4	124.3	108.5	99.5	94.9	93.4	94.2	93.4
32.5°	232.8	218.5	188.4	157.5	131.9	113.0	103.2	99.5	99.5	100.2	100.2
35°	260.7	244.9	205.7	168.8	137.9	117.5	107.0	104.0	104.0	105.5	105.5
37.5°	288.6	269.7	223.0	177.8	142.4	119.8	110.0	107.7	107.7	110.0	110.0
40°	318.7	296.1	238.8	186.1	146.2	122.1	111.5	110.8	111.5	113.8	113.8
42.5°	351.1	321.7	253.2	192.1	147.7	122.8	113.0	113.0	114.5	116.0	116.8
45°	385.0	349.6	267.5	195.9	148.4	122.8	113.8	113.8	116.8	118.3	118.3
47.5°	421.9	377.5	278.8	198.2	147.7	122.1	113.8	115.3	117.5	119.0	119.0
50°	461.9	407.6	289.3	198.2	146.2	121.3	113.8	115.3	118.3	119.0	119.0
52.5°	501.0	437.0	296.1	195.9	143.9	119.8	113.0	115.3	118.3	118.3	118.3
55°	542.5	464.9	302.1	192.9	140.9	118.3	112.3	115.3	117.5	117.5	117.5
57.5°	575.6	487.5	302.9	188.4	137.9	116.8	111.5	114.5	116.8	116.0	116.0
60°	604.3	503.3	300.6	182.3	134.1	114.5	110.8	113.8	116.0	114.5	114.5
62.5°	623.1	510.1	293.8	175.6	130.3	113.0	110.0	113.0	115.3	113.8	113.8
65°	623.9	503.3	281.0	168.0	125.8	110.8	108.5	112.3	114.5	112.3	112.3
67.5°	606.5	483.0	264.5	159.0	122.1	108.5	107.0	110.8	113.0	110.8	110.8
70°	569.6	449.1	244.1	149.9	116.8	106.2	105.5	109.2	110.8	108.5	107.7
72.5°	516.1	403.8	221.5	139.4	111.5	102.5	102.5	106.2	107.7	105.5	104.7
75°	446.8	351.9	196.6	128.1	105.5	98.7	99.5	102.5	104.0	101.7	100.2
77.5°	376.0	299.1	172.5	118.3	99.5	94.2	94.9	98.7	99.5	97.2	95.7
80°	305.1	243.4	148.4	107.0	92.7	89.7	90.4	92.7	93.4	91.2	89.7
82.5°	244.9	198.2	125.8	96.4	85.9	83.6	85.1	86.6	86.6	84.4	82.9
85°	192.9	157.5	107.0	85.1	78.4	77.6	79.1	79.9	79.1	76.9	75.3
87.5°	149.2	125.1	89.7	74.6	70.8	71.6	72.3	72.3	71.6	70.1	67.8
90°	116.0	99.5	75.3	65.5	64.0	64.8	65.5	65.5	64.0	61.8	60.3
92.5°	91.9	80.6	63.3	57.3	57.3	58.8	58.8	58.8	56.5	54.2	53.5
95°	71.6	64.0	53.5	50.5	50.5	52.0	52.7	52.0	49.7	47.5	46.7
97.5°	57.3	52.0	46.0	43.7	45.2	46.7	46.7	45.2	42.9	41.4	40.7
100°	46.0	42.2	38.4	38.4	39.9	41.4	41.4	39.9	37.7	34.7	34.7
102.5°	36.9	35.4	33.2	33.9	34.7	36.2	36.2	34.7	31.6	29.4	29.4
105°	30.1	29.4	28.6	29.4	30.9	31.6	31.6	30.1	27.1	24.9	24.9
107.5°	24.9	24.1	24.1	25.6	27.1	27.9	27.9	25.6	23.4	21.1	21.8
110°	21.1	20.3	20.3	21.8	23.4	24.1	24.1	22.6	19.6	18.1	18.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	17.3	18.1	19.6	21.1	21.8	21.1	18.8	16.6	15.8	15.8
115°	15.1	15.1	15.8	17.3	18.1	18.8	18.1	16.6	14.3	13.6	13.6
117.5°	12.8	12.8	13.6	15.1	15.8	16.6	15.8	14.3	12.1	12.1	12.1
120°	11.3	11.3	12.1	13.6	14.3	14.3	13.6	12.1	10.5	10.5	10.5
122.5°	10.5	10.5	10.5	11.3	12.1	12.8	12.1	10.5	9.0	9.0	9.0
125°	9.0	9.0	9.8	10.5	10.5	10.5	9.8	9.0	8.3	8.3	8.3
127.5°	8.3	8.3	8.3	9.0	9.8	9.0	8.3	7.5	6.8	7.5	7.5
130°	7.5	7.5	7.5	7.5	8.3	8.3	7.5	6.8	6.0	6.0	6.0
132.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.0	5.3	5.3	6.0	6.0
135°	6.0	6.0	6.0	6.0	6.0	6.0	5.3	4.5	4.5	5.3	5.3
137.5°	5.3	5.3	5.3	4.5	5.3	4.5	4.5	4.5	4.5	4.5	4.5
140°	4.5	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
142.5°	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8
145°	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
147.5°	2.3	2.3	2.3	2.3	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)