

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: P694548

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694548
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-PA16-20-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2485 lumens
Efficiency: N/A
Efficacy: 114.0 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

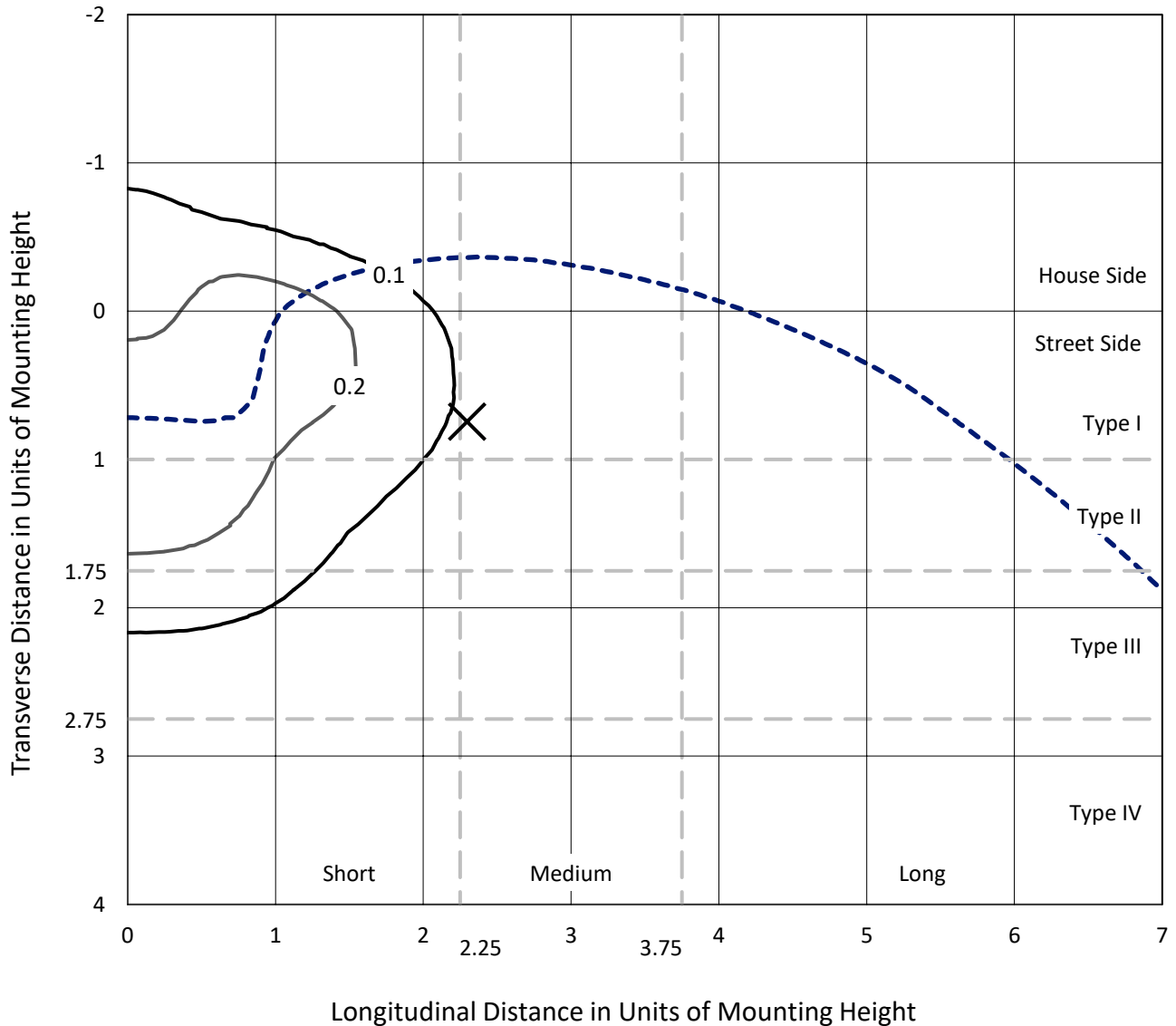
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

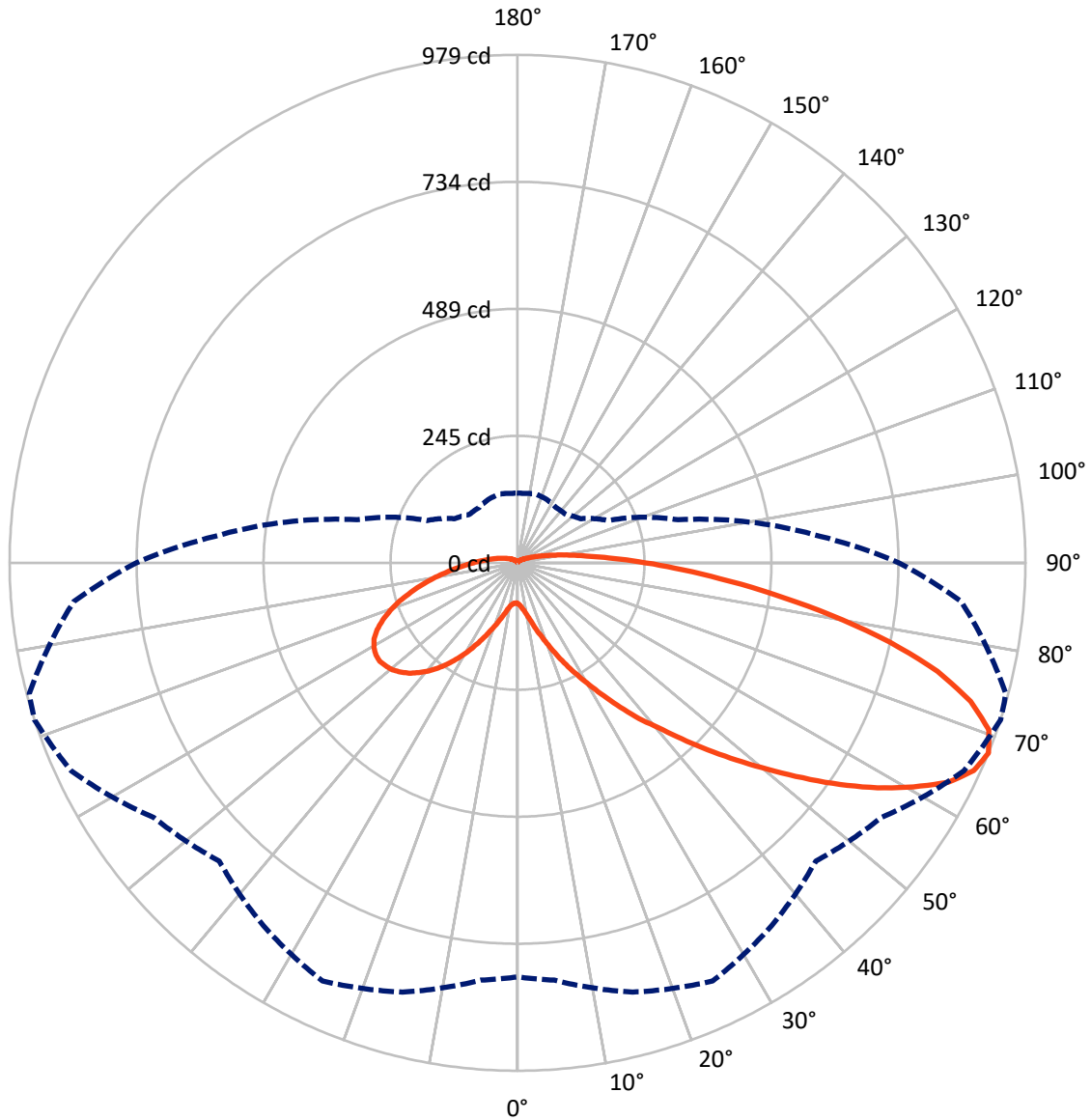
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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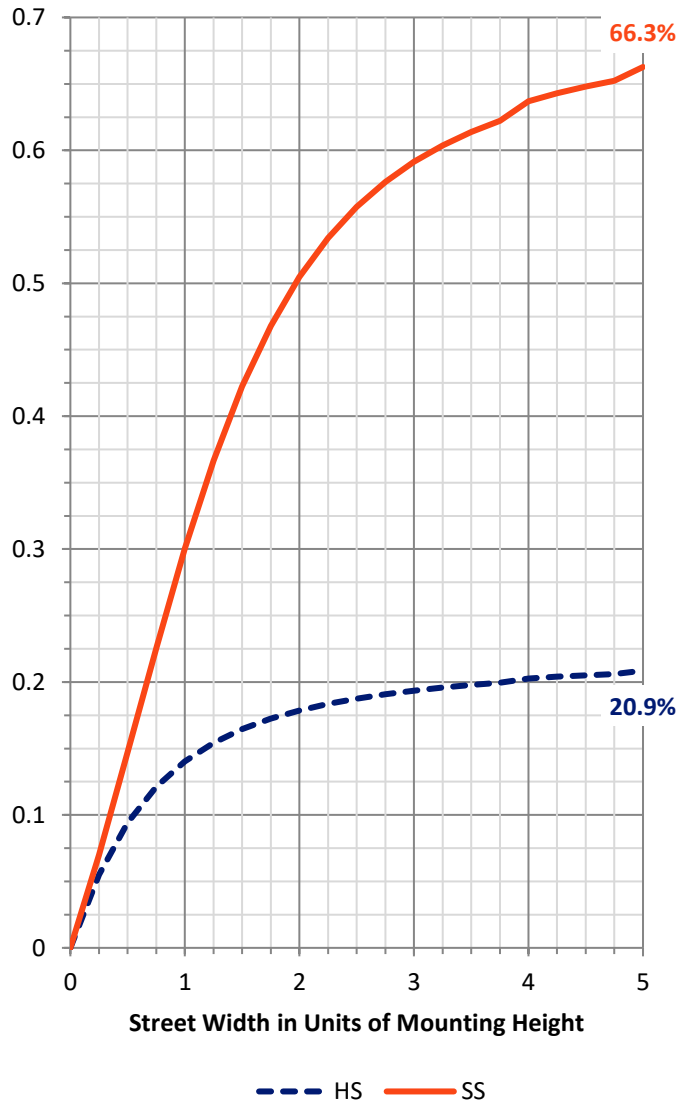
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.9	73.5	622.5
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	1739.9	122.7	1862.5
	% Fixture	70.0	4.9	75.0
Total	Lumens	2288.8	196.2	2485.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.3
10°-20°	34.1	1.4
20°-30°	87.3	3.5
30°-40°	175.3	7.1
40°-50°	295.1	11.9
50°-60°	435.9	17.5
60°-70°	537.0	21.6
70°-80°	463.7	18.7
80°-90°	252.3	10.2
90°-100°	107.2	4.3
100°-110°	47.0	1.9
110°-120°	22.6	0.9
120°-130°	11.5	0.5
130°-140°	5.6	0.2
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2288.8	92.1
0°-180°	2485.0	100.0

Coefficient of Utilization

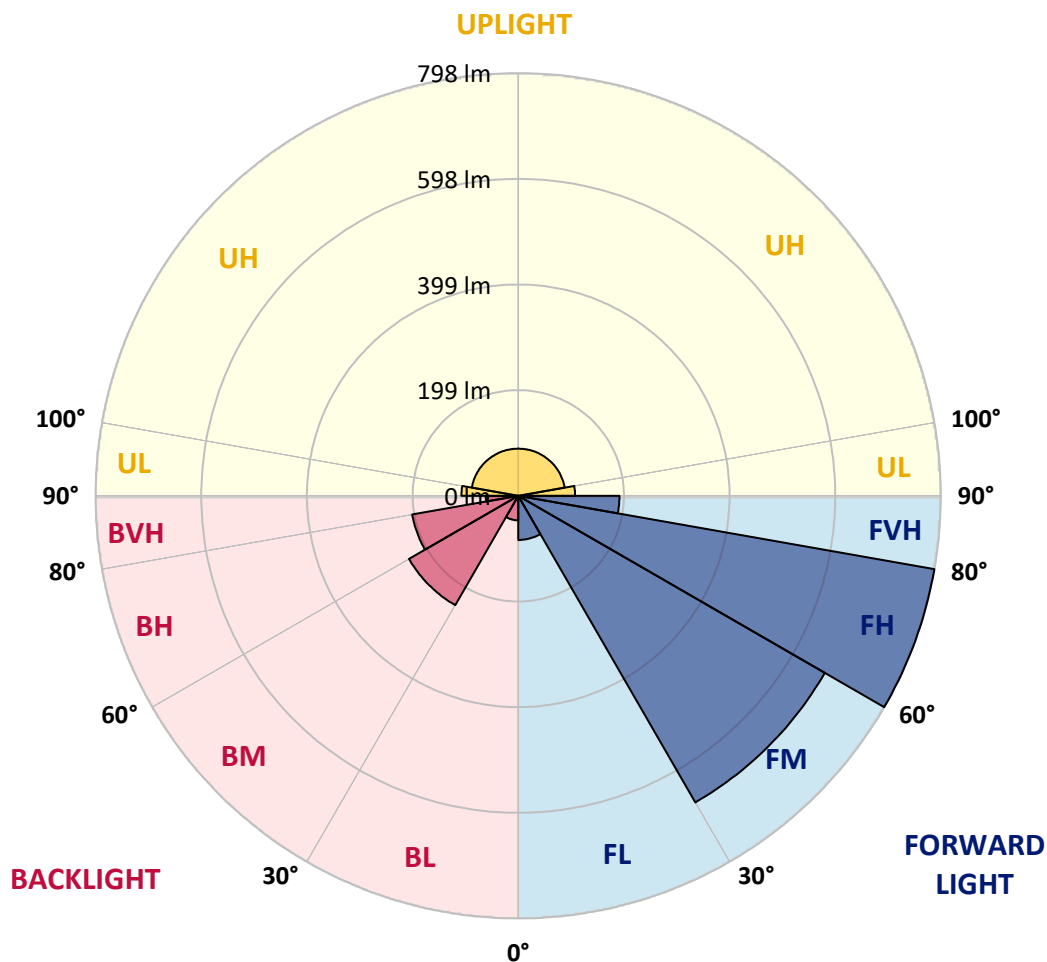


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.3	3.4			
FM (30°-60°)	668.1	26.9			
FH (60°-80°)	797.5	32.1			G1/1800
FVH (80°-90°)	190.9	7.7			G2/225
BL (0°-30°)	46.3	1.9	B0/110		
BM (30°-60°)	238.1	9.6	B1/1000		
BH (60°-80°)	203.2	8.2	B1/500		G1/500
BVH (80°-90°)	61.3	2.5			G1/100
UL (90°-100°)	107.2	4.3		U3/500	
UH (100°-180°)	89.0	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°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	85.8	85.8	85.8	84.9	84.0	84.0	83.1	82.2	81.2	80.3	79.4
5°	95.9	95.9	94.9	94.9	93.1	92.2	90.4	87.6	86.7	85.8	83.1
7.5°	108.6	108.6	106.8	106.8	104.1	102.2	99.5	95.9	93.1	92.2	88.5
10°	123.2	122.3	122.3	119.6	116.8	115.0	110.5	105.9	103.2	101.3	96.8
12.5°	142.4	141.5	139.7	136.9	133.3	128.7	124.2	119.6	115.0	113.2	107.7
15°	163.4	163.4	161.6	157.0	152.5	146.1	140.6	135.1	131.5	129.6	122.3
17.5°	188.1	187.1	185.3	179.8	172.5	166.1	159.8	153.4	148.8	147.0	138.8
20°	218.2	217.3	211.8	203.6	197.2	188.1	179.8	172.5	168.9	167.1	157.9
22.5°	251.0	249.2	243.7	233.7	220.9	211.8	202.7	195.4	191.7	189.0	180.8
25°	288.5	285.7	278.4	262.9	248.3	235.5	226.4	219.1	217.3	215.4	204.5
27.5°	329.5	327.7	317.7	298.5	278.4	263.8	252.0	247.4	243.7	241.9	230.0
30°	377.0	374.3	358.8	336.9	310.4	289.4	278.4	275.7	273.0	273.9	262.9
32.5°	423.6	423.6	404.4	375.2	342.3	317.7	304.9	306.7	305.8	305.8	293.0
35°	473.8	474.7	451.0	419.0	376.1	347.8	335.0	339.6	341.4	340.5	327.7
37.5°	526.7	524.9	501.2	461.0	411.7	377.0	366.1	372.5	380.7	377.9	366.1
40°	585.2	581.5	558.7	506.6	451.0	409.0	398.9	411.7	417.2	420.8	404.4
42.5°	638.1	636.3	609.8	555.9	490.2	442.7	431.8	449.1	463.7	464.7	448.2
45°	690.1	686.5	664.6	604.3	528.6	481.1	472.0	496.6	514.0	515.8	497.5
47.5°	737.6	737.6	713.0	653.6	576.0	519.4	513.0	545.9	567.8	569.6	549.6
50°	786.9	785.1	764.1	703.8	620.8	561.4	558.7	600.7	625.3	628.1	601.6
52.5°	823.4	823.4	809.7	753.1	663.7	602.5	607.1	656.4	688.3	695.6	660.9
55°	855.4	856.3	847.2	796.0	713.0	647.2	653.6	715.7	754.0	764.1	720.3
57.5°	876.4	877.3	880.0	839.8	755.9	688.3	704.7	778.7	817.9	826.2	776.9
60°	884.6	887.3	900.1	873.6	794.2	731.2	753.1	835.3	876.4	885.5	822.5
62.5°	876.4	880.9	906.5	897.4	828.9	767.7	796.9	887.3	931.1	934.8	859.0
65°	851.7	857.2	891.9	902.8	849.0	796.9	835.3	927.5	965.8	966.7	870.9
67.5°	797.9	807.0	856.3	889.1	853.5	812.5	855.4	948.5	978.6	974.0	858.1
70°	732.1	739.4	796.0	849.0	837.1	809.7	858.1	943.9	963.1	952.1	815.2
72.5°	640.8	649.1	715.7	785.1	795.1	787.8	835.3	912.9	912.9	896.4	748.6
75°	542.3	557.8	617.1	699.3	735.8	739.4	790.6	849.0	836.2	812.5	654.5
77.5°	446.4	451.9	510.3	601.6	649.1	671.0	716.6	755.9	733.0	704.7	555.0
80°	355.1	359.7	412.6	496.6	556.9	594.3	631.7	644.5	612.5	584.2	452.8
82.5°	275.7	281.2	328.6	402.6	462.8	500.3	531.3	534.0	496.6	471.0	360.6
85°	207.2	212.7	252.9	318.6	375.2	414.4	433.6	431.8	390.7	369.7	279.3
87.5°	160.7	159.8	192.6	244.7	297.6	328.6	343.2	331.4	303.1	284.8	214.5
90°	119.6	123.2	148.8	190.8	231.9	258.3	270.2	256.5	232.8	218.2	165.2
92.5°	92.2	94.0	116.8	148.8	183.5	206.3	214.5	199.0	176.2	168.0	126.9
95°	72.1	73.9	90.4	116.8	142.4	159.8	164.3	152.5	134.2	127.8	98.6
97.5°	58.4	59.3	71.2	93.1	113.2	126.9	128.7	116.8	105.0	97.7	77.6
100°	46.6	46.6	57.5	73.9	89.5	100.4	99.5	92.2	82.2	76.7	60.3
102.5°	38.3	38.3	46.6	61.2	73.0	81.2	81.2	72.1	63.9	59.3	47.5
105°	32.0	32.0	38.3	49.3	60.3	66.6	65.7	58.4	50.2	46.6	37.4
107.5°	27.4	27.4	32.0	41.1	49.3	54.8	53.9	46.6	40.2	37.4	31.0
110°	23.7	23.7	27.4	34.7	42.0	45.6	44.7	37.4	32.0	30.1	25.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	20.1	21.0	22.8	29.2	35.6	39.3	37.4	31.0	25.6	23.7	21.9
115°	18.3	18.3	20.1	24.6	30.1	32.9	31.0	25.6	21.0	20.1	18.3
117.5°	16.4	16.4	18.3	21.9	26.5	28.3	26.5	21.0	18.3	16.4	15.5
120°	14.6	14.6	15.5	19.2	21.9	23.7	21.9	17.3	14.6	14.6	13.7
122.5°	13.7	13.7	14.6	16.4	19.2	20.1	18.3	14.6	12.8	12.8	12.8
125°	11.9	12.8	12.8	14.6	16.4	17.3	15.5	12.8	11.0	11.0	11.0
127.5°	11.0	11.0	11.9	12.8	13.7	14.6	12.8	11.0	10.0	9.1	10.0
130°	10.0	10.0	10.0	11.0	11.9	11.9	11.0	9.1	8.2	8.2	9.1
132.5°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	7.3	7.3	7.3	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	7.3	6.4	6.4	6.4	7.3
137.5°	7.3	7.3	7.3	7.3	6.4	6.4	5.5	5.5	5.5	5.5	6.4
140°	6.4	6.4	6.4	5.5	5.5	4.6	4.6	4.6	4.6	4.6	5.5
142.5°	5.5	5.5	5.5	4.6	3.7	3.7	3.7	3.7	3.7	3.7	4.6
145°	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7
147.5°	3.7	3.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	2.7	2.7	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8
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°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	79.4	78.5	77.6	76.7	75.8	75.8	74.9	73.9	73.9	73.9	73.0
5°	82.2	80.3	78.5	76.7	73.9	73.0	71.2	70.3	69.4	68.5	68.5
7.5°	86.7	84.9	81.2	77.6	74.9	72.1	69.4	67.6	66.6	65.7	65.7
10°	94.0	91.3	85.8	81.2	76.7	73.0	70.3	67.6	66.6	65.7	64.8
12.5°	104.1	101.3	94.0	86.7	81.2	75.8	72.1	69.4	67.6	66.6	66.6
15°	118.7	114.1	105.0	95.9	87.6	81.2	76.7	73.9	73.0	72.1	72.1
17.5°	134.2	127.8	117.8	105.9	96.8	88.5	83.1	81.2	79.4	78.5	78.5
20°	152.5	145.1	132.4	117.8	105.9	97.7	91.3	87.6	85.8	84.9	84.9
22.5°	172.5	166.1	147.9	131.5	116.8	107.7	98.6	94.0	92.2	91.3	92.2
25°	196.3	187.1	166.1	146.1	128.7	115.9	106.8	100.4	99.5	98.6	99.5
27.5°	222.7	210.9	186.2	159.8	139.7	124.2	114.1	107.7	106.8	105.9	106.8
30°	251.0	240.1	207.2	176.2	150.6	131.5	120.5	115.0	113.2	114.1	113.2
32.5°	282.1	264.7	228.2	190.8	159.8	136.9	125.1	120.5	120.5	121.4	121.4
35°	315.9	296.7	249.2	204.5	167.1	142.4	129.6	126.0	126.0	127.8	127.8
37.5°	349.6	326.8	270.2	215.4	172.5	145.1	133.3	130.5	130.5	133.3	133.3
40°	386.1	358.8	289.4	225.5	177.1	147.9	135.1	134.2	135.1	137.8	137.8
42.5°	425.4	389.8	306.7	232.8	178.9	148.8	136.9	136.9	138.8	140.6	141.5
45°	466.5	423.6	324.1	237.3	179.8	148.8	137.8	137.8	141.5	143.3	143.3
47.5°	511.2	457.4	337.8	240.1	178.9	147.9	137.8	139.7	142.4	144.2	144.2
50°	559.6	493.9	350.5	240.1	177.1	147.0	137.8	139.7	143.3	144.2	144.2
52.5°	607.1	529.5	358.8	237.3	174.4	145.1	136.9	139.7	143.3	143.3	143.3
55°	657.3	563.2	366.1	233.7	170.7	143.3	136.0	139.7	142.4	142.4	142.4
57.5°	697.4	590.6	367.0	228.2	167.1	141.5	135.1	138.8	141.5	140.6	140.6
60°	732.1	609.8	364.2	220.9	162.5	138.8	134.2	137.8	140.6	138.8	138.8
62.5°	755.0	618.0	356.0	212.7	157.9	136.9	133.3	136.9	139.7	137.8	137.8
65°	755.9	609.8	340.5	203.6	152.5	134.2	131.5	136.0	138.8	136.0	136.0
67.5°	734.9	585.2	320.4	192.6	147.9	131.5	129.6	134.2	136.9	134.2	134.2
70°	690.1	544.1	295.8	181.7	141.5	128.7	127.8	132.4	134.2	131.5	130.5
72.5°	625.3	489.3	268.4	168.9	135.1	124.2	124.2	128.7	130.5	127.8	126.9
75°	541.3	426.3	238.3	155.2	127.8	119.6	120.5	124.2	126.0	123.2	121.4
77.5°	455.5	362.4	209.0	143.3	120.5	114.1	115.0	119.6	120.5	117.8	115.9
80°	369.7	294.9	179.8	129.6	112.3	108.6	109.5	112.3	113.2	110.5	108.6
82.5°	296.7	240.1	152.5	116.8	104.1	101.3	103.2	105.0	105.0	102.2	100.4
85°	233.7	190.8	129.6	103.2	94.9	94.0	95.9	96.8	95.9	93.1	91.3
87.5°	180.8	151.5	108.6	90.4	85.8	86.7	87.6	87.6	86.7	84.9	82.2
90°	140.6	120.5	91.3	79.4	77.6	78.5	79.4	79.4	77.6	74.9	73.0
92.5°	111.4	97.7	76.7	69.4	69.4	71.2	71.2	71.2	68.5	65.7	64.8
95°	86.7	77.6	64.8	61.2	61.2	63.0	63.9	63.0	60.3	57.5	56.6
97.5°	69.4	63.0	55.7	52.9	54.8	56.6	56.6	54.8	52.0	50.2	49.3
100°	55.7	51.1	46.6	46.6	48.4	50.2	50.2	48.4	45.6	42.0	42.0
102.5°	44.7	42.9	40.2	41.1	42.0	43.8	43.8	42.0	38.3	35.6	35.6
105°	36.5	35.6	34.7	35.6	37.4	38.3	38.3	36.5	32.9	30.1	30.1
107.5°	30.1	29.2	29.2	31.0	32.9	33.8	33.8	31.0	28.3	25.6	26.5
110°	25.6	24.6	24.6	26.5	28.3	29.2	29.2	27.4	23.7	21.9	22.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	21.0	21.9	23.7	25.6	26.5	25.6	22.8	20.1	19.2	19.2
115°	18.3	18.3	19.2	21.0	21.9	22.8	21.9	20.1	17.3	16.4	16.4
117.5°	15.5	15.5	16.4	18.3	19.2	20.1	19.2	17.3	14.6	14.6	14.6
120°	13.7	13.7	14.6	16.4	17.3	17.3	16.4	14.6	12.8	12.8	12.8
122.5°	12.8	12.8	12.8	13.7	14.6	15.5	14.6	12.8	11.0	11.0	11.0
125°	11.0	11.0	11.9	12.8	12.8	12.8	11.9	11.0	10.0	10.0	10.0
127.5°	10.0	10.0	10.0	11.0	11.9	11.0	10.0	9.1	8.2	9.1	9.1
130°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	8.2	7.3	7.3	7.3
132.5°	8.2	8.2	8.2	8.2	8.2	8.2	7.3	6.4	6.4	7.3	7.3
135°	7.3	7.3	7.3	7.3	7.3	7.3	6.4	5.5	5.5	6.4	6.4
137.5°	6.4	6.4	6.4	5.5	6.4	5.5	5.5	5.5	5.5	5.5	5.5
140°	5.5	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
142.5°	4.6	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	4.6	4.6
145°	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	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)