

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: P694808

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3290 lumens
Efficiency: N/A
Efficacy: 112.7 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 - U3 - G2

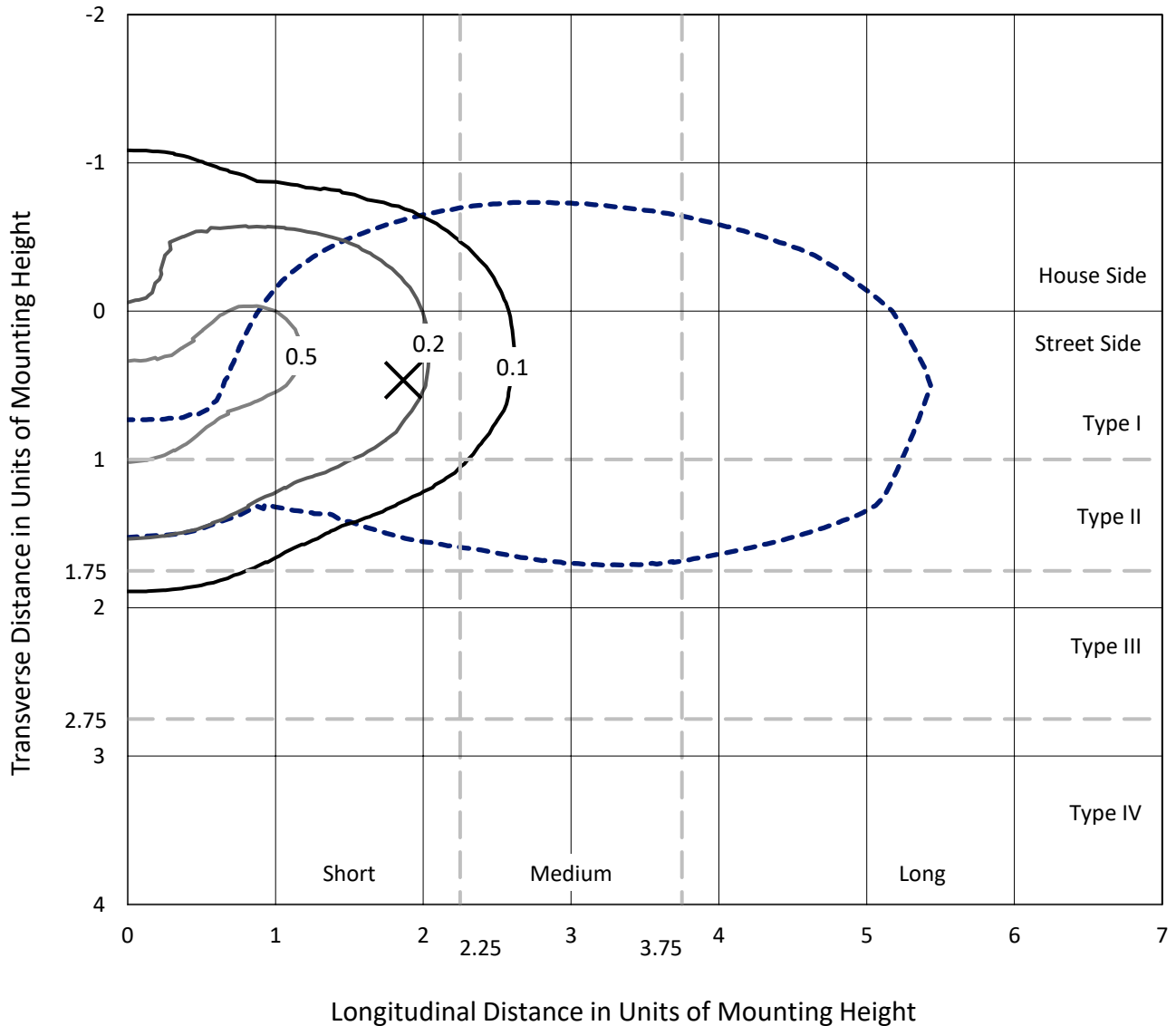
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

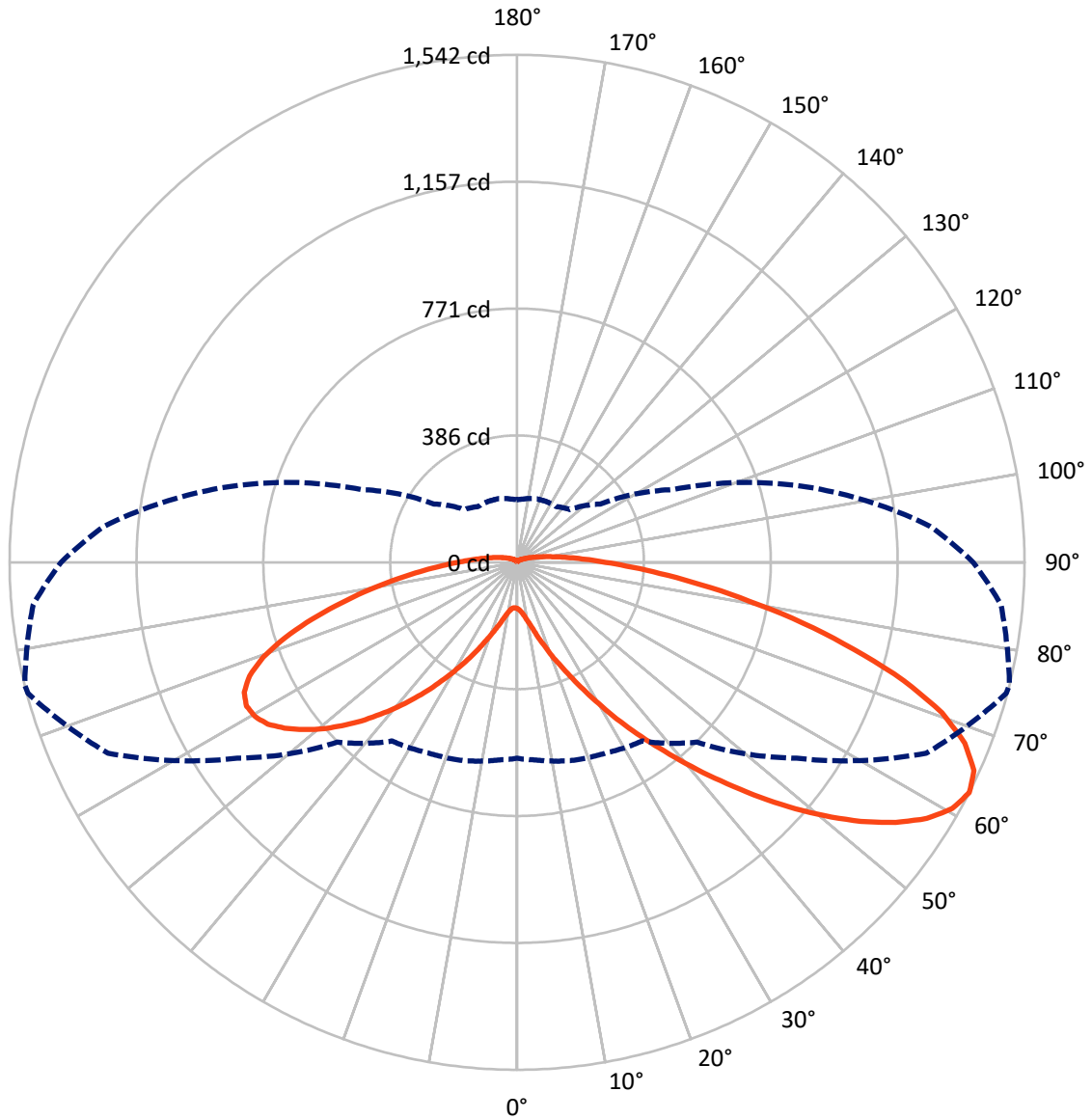
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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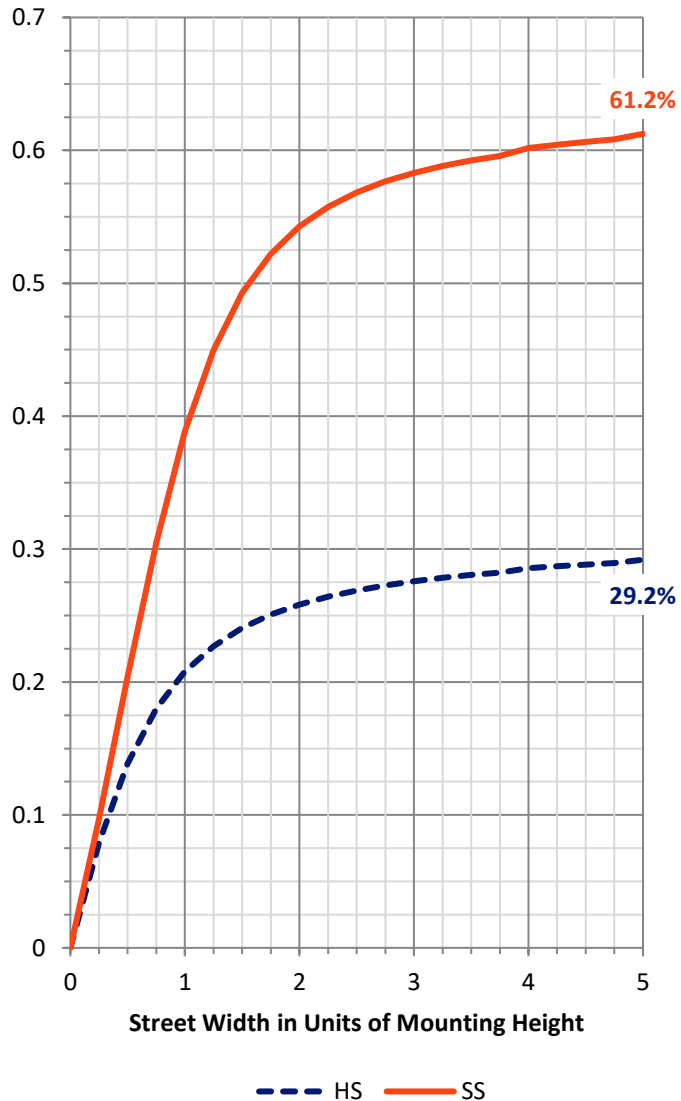
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1000.9	98.3	1099.2
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	2070.5	120.4	2190.8
	% Fixture	62.9	3.7	66.6
Total	Lumens	3071.3	218.7	3290.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.4
10°-20°	60.5	1.8
20°-30°	154.6	4.7
30°-40°	308.9	9.4
40°-50°	499.2	15.2
50°-60°	652.9	19.8
60°-70°	662.4	20.1
70°-80°	476.3	14.5
80°-90°	241.8	7.4
90°-100°	109.4	3.3
100°-110°	53.7	1.6
110°-120°	28.7	0.9
120°-130°	15.8	0.5
130°-140°	8.0	0.2
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3071.3	93.4
0°-180°	3290.0	100.0

Coefficient of Utilization

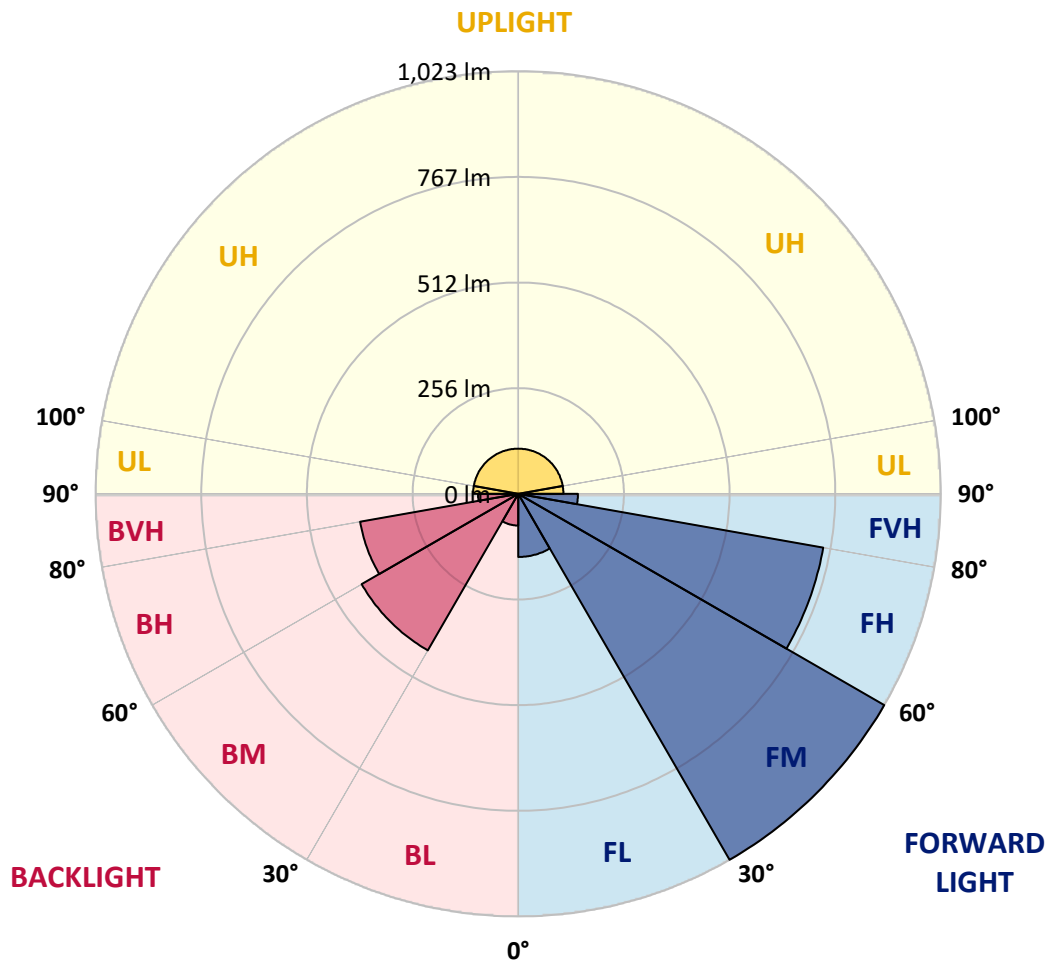


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.9	4.6			
FM (30°-60°)	1023.2	31.1			
FH (60°-80°)	749.8	22.8			G1/1800
FVH (80°-90°)	144.4	4.4			G2/225
BL (0°-30°)	76.8	2.3	B0/110		
BM (30°-60°)	437.8	13.3	B1/1000		
BH (60°-80°)	388.8	11.8	B1/500		G1/500
BVH (80°-90°)	97.4	3.0			G1/100
UL (90°-100°)	109.4	3.3		U3/500	
UH (100°-180°)	109.3	3.3		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	157.2	156.0	156.0	154.8	153.6	152.5	150.1	147.7	145.4	145.4	143.0
5°	178.5	177.3	177.3	174.9	172.5	167.8	164.3	159.5	154.8	153.6	148.9
7.5°	202.1	203.3	202.1	198.5	195.0	189.1	182.0	174.9	166.6	165.5	158.4
10°	231.6	232.8	229.3	224.5	221.0	215.1	204.5	195.0	184.4	183.2	173.7
12.5°	267.1	264.7	264.7	258.8	251.7	241.1	229.3	218.6	205.6	203.3	192.6
15°	302.5	307.3	303.7	295.5	284.8	274.2	262.4	249.4	236.4	234.0	218.6
17.5°	343.9	349.8	345.1	335.6	325.0	310.8	300.2	283.6	268.3	264.7	247.0
20°	395.9	395.9	390.0	378.2	366.4	355.7	340.4	322.6	304.9	303.7	280.1
22.5°	447.9	445.5	439.6	426.6	412.5	400.6	382.9	366.4	348.6	342.7	322.6
25°	505.8	503.5	492.8	475.1	463.3	446.7	432.5	416.0	397.1	391.2	368.7
27.5°	564.9	562.5	549.5	533.0	514.1	497.5	483.4	470.4	446.7	446.7	420.7
30°	626.4	622.8	607.5	589.7	566.1	549.5	541.3	528.3	511.7	508.2	476.3
32.5°	684.3	685.5	670.1	645.3	620.5	603.9	600.4	596.8	579.1	577.9	543.6
35°	744.5	742.2	725.6	700.8	674.8	659.5	660.6	667.7	652.4	650.0	608.6
37.5°	798.9	798.9	781.2	750.5	722.1	710.3	726.8	745.7	735.1	728.0	685.5
40°	848.5	845.0	829.6	797.7	765.8	764.6	794.2	822.5	819.0	816.6	764.6
42.5°	885.2	880.5	866.3	833.2	804.8	810.7	859.2	913.5	912.4	907.6	852.1
45°	905.3	902.9	889.9	859.2	832.0	854.5	925.4	998.6	1011.6	1008.1	940.7
47.5°	908.8	907.6	897.0	869.8	849.7	886.4	990.4	1088.4	1108.5	1109.7	1032.9
50°	894.6	894.6	887.5	866.3	854.5	908.8	1041.2	1180.6	1209.0	1210.2	1126.3
52.5°	860.4	860.4	860.4	846.2	843.8	915.9	1083.7	1253.9	1309.4	1308.3	1223.2
55°	811.9	810.7	815.5	813.1	816.6	904.1	1103.8	1322.4	1399.3	1395.7	1311.8
57.5°	751.6	748.1	759.9	764.6	775.3	875.7	1107.4	1368.5	1471.4	1469.0	1383.9
60°	673.6	676.0	693.7	702.0	720.9	830.8	1083.7	1385.1	1519.8	1519.8	1444.2
62.5°	595.6	602.7	624.0	639.4	663.0	772.9	1037.6	1372.1	1538.7	1542.3	1476.1
65°	520.0	529.5	553.1	569.6	599.2	702.0	962.0	1321.3	1519.8	1525.7	1478.4
67.5°	451.5	453.8	479.8	498.7	529.5	626.4	875.7	1235.0	1457.2	1467.8	1440.6
70°	385.3	388.8	414.8	436.1	463.3	547.2	772.9	1107.4	1352.0	1369.7	1356.7
72.5°	321.5	327.4	349.8	374.6	400.6	473.9	663.0	978.5	1210.2	1229.1	1236.2
75°	270.6	276.5	299.0	322.6	346.3	405.4	564.9	828.5	1047.1	1057.7	1092.0
77.5°	224.5	231.6	250.5	274.2	295.5	345.1	468.0	683.1	880.5	888.7	918.3
80°	187.9	193.8	209.2	231.6	248.2	289.5	382.9	553.1	705.5	716.2	742.2
82.5°	156.0	158.4	174.9	193.8	211.5	244.6	313.2	439.6	553.1	564.9	600.4
85°	131.2	132.4	146.5	161.9	178.5	203.3	255.3	343.9	426.6	434.9	460.9
87.5°	106.4	108.7	122.9	137.1	150.1	171.4	206.8	270.6	328.5	332.1	349.8
90°	88.6	91.0	102.8	115.8	128.8	143.0	170.2	209.2	250.5	252.9	263.5
92.5°	74.5	75.6	86.3	99.3	111.1	122.9	139.5	165.5	195.0	197.4	202.1
95°	62.6	63.8	73.3	83.9	94.5	104.0	117.0	133.5	151.3	152.5	157.2
97.5°	54.4	54.4	62.6	72.1	81.5	88.6	96.9	108.7	119.4	118.2	119.4
100°	46.1	46.1	53.2	62.6	70.9	76.8	81.5	87.5	92.2	93.4	93.4
102.5°	40.2	40.2	46.1	55.5	62.6	67.4	70.9	72.1	74.5	74.5	73.3
105°	34.3	35.5	40.2	48.5	54.4	59.1	60.3	60.3	59.1	59.1	59.1
107.5°	30.7	30.7	35.5	42.5	48.5	52.0	53.2	50.8	48.5	47.3	47.3
110°	28.4	28.4	31.9	37.8	43.7	46.1	46.1	42.5	39.0	40.2	39.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	24.8	26.0	28.4	34.3	39.0	41.4	40.2	36.6	33.1	31.9	31.9
115°	23.6	23.6	26.0	30.7	35.5	36.6	35.5	31.9	27.2	27.2	27.2
117.5°	21.3	21.3	23.6	27.2	30.7	33.1	30.7	27.2	22.5	22.5	22.5
120°	20.1	20.1	21.3	24.8	28.4	29.5	27.2	23.6	18.9	18.9	20.1
122.5°	18.9	18.9	20.1	22.5	24.8	26.0	24.8	20.1	16.5	16.5	17.7
125°	17.7	17.7	17.7	20.1	22.5	23.6	21.3	17.7	14.2	14.2	15.4
127.5°	16.5	16.5	16.5	17.7	20.1	20.1	18.9	15.4	13.0	13.0	14.2
130°	15.4	15.4	15.4	16.5	17.7	17.7	15.4	13.0	11.8	11.8	11.8
132.5°	14.2	14.2	14.2	14.2	15.4	15.4	13.0	10.6	9.5	10.6	10.6
135°	13.0	13.0	13.0	13.0	13.0	13.0	10.6	8.3	8.3	8.3	9.5
137.5°	11.8	11.8	11.8	10.6	10.6	10.6	8.3	7.1	7.1	7.1	8.3
140°	10.6	10.6	10.6	9.5	8.3	8.3	5.9	5.9	5.9	5.9	7.1
142.5°	9.5	9.5	9.5	8.3	7.1	5.9	4.7	4.7	4.7	4.7	5.9
145°	8.3	8.3	7.1	7.1	4.7	3.5	3.5	3.5	3.5	4.7	4.7
147.5°	7.1	7.1	5.9	4.7	3.5	2.4	1.2	2.4	2.4	2.4	3.5
150°	4.7	4.7	4.7	3.5	2.4	1.2	1.2	1.2	2.4	2.4	2.4
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°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	141.8	140.6	138.3	135.9	133.5	132.4	131.2	130.0	130.0	130.0	130.0
5°	146.5	143.0	138.3	133.5	128.8	125.3	121.7	119.4	118.2	117.0	117.0
7.5°	154.8	150.1	141.8	134.7	127.6	120.5	115.8	112.3	109.9	108.7	108.7
10°	166.6	160.7	150.1	139.5	128.8	120.5	113.5	108.7	105.2	104.0	102.8
12.5°	185.5	178.5	163.1	147.7	134.7	122.9	114.6	107.5	104.0	102.8	102.8
15°	210.4	200.9	180.8	161.9	144.2	128.8	119.4	114.6	112.3	109.9	109.9
17.5°	236.4	225.7	203.3	179.6	158.4	140.6	130.0	125.3	120.5	119.4	119.4
20°	270.6	256.5	228.1	199.7	174.9	157.2	144.2	134.7	130.0	128.8	128.8
22.5°	307.3	289.5	257.6	222.2	195.0	172.5	157.2	145.4	140.6	138.3	138.3
25°	348.6	332.1	290.7	248.2	217.5	190.3	170.2	157.2	151.3	150.1	150.1
27.5°	398.3	378.2	327.4	278.9	238.7	205.6	183.2	167.8	161.9	160.7	160.7
30°	456.2	427.8	367.5	312.0	261.2	219.8	192.6	178.5	171.4	171.4	171.4
32.5°	510.5	481.0	411.3	345.1	281.3	231.6	202.1	187.9	180.8	180.8	180.8
35°	576.7	542.5	458.5	377.0	299.0	242.3	209.2	195.0	189.1	187.9	187.9
37.5°	650.0	606.3	505.8	406.5	315.5	249.4	215.1	200.9	195.0	193.8	193.8
40°	723.3	672.5	557.8	437.3	327.4	254.1	218.6	205.6	199.7	197.4	197.4
42.5°	801.3	743.4	607.5	465.6	338.0	256.5	219.8	209.2	203.3	199.7	199.7
45°	885.2	816.6	660.6	488.1	345.1	257.6	221.0	210.4	205.6	200.9	200.9
47.5°	975.0	894.6	709.1	509.4	347.5	256.5	221.0	211.5	205.6	200.9	199.7
50°	1056.5	970.3	758.7	525.9	347.5	254.1	221.0	212.7	206.8	199.7	199.7
52.5°	1142.8	1044.7	801.3	536.5	345.1	250.5	219.8	211.5	206.8	198.5	198.5
55°	1227.9	1115.6	840.3	542.5	339.2	245.8	217.5	211.5	205.6	197.4	196.2
57.5°	1296.4	1180.6	872.2	542.5	330.9	239.9	213.9	210.4	204.5	196.2	195.0
60°	1352.0	1230.3	889.9	535.4	320.3	234.0	210.4	208.0	203.3	193.8	192.6
62.5°	1386.3	1259.8	894.6	522.4	308.5	226.9	206.8	204.5	200.9	192.6	190.3
65°	1392.2	1263.4	880.5	499.9	293.1	217.5	200.9	200.9	197.4	189.1	187.9
67.5°	1357.9	1229.1	845.0	469.2	276.5	208.0	193.8	195.0	192.6	185.5	183.2
70°	1284.6	1162.9	785.9	433.7	257.6	198.5	185.5	186.7	184.4	178.5	177.3
72.5°	1171.2	1054.2	706.7	391.2	237.5	186.7	177.3	177.3	176.1	170.2	167.8
75°	1030.5	928.9	615.7	346.3	217.5	173.7	166.6	166.6	165.5	159.5	157.2
77.5°	873.4	784.7	521.2	302.5	196.2	160.7	153.6	154.8	153.6	146.5	146.5
80°	705.5	644.1	434.9	260.0	176.1	146.5	140.6	141.8	139.5	132.4	130.0
82.5°	566.1	515.3	352.2	222.2	156.0	133.5	127.6	127.6	124.1	118.2	117.0
85°	432.5	395.9	284.8	186.7	138.3	119.4	114.6	113.5	108.7	102.8	101.6
87.5°	336.8	306.1	228.1	158.4	120.5	106.4	101.6	99.3	94.5	88.6	87.5
90°	254.1	235.2	182.0	132.4	106.4	94.5	89.8	86.3	81.5	75.6	73.3
92.5°	197.4	185.5	147.7	113.5	92.2	83.9	79.2	75.6	69.7	65.0	62.6
95°	152.5	145.4	121.7	96.9	81.5	73.3	69.7	66.2	61.5	55.5	53.2
97.5°	120.5	114.6	99.3	82.7	72.1	66.2	61.5	57.9	52.0	47.3	46.1
100°	94.5	91.0	82.7	70.9	63.8	57.9	54.4	50.8	44.9	40.2	40.2
102.5°	74.5	73.3	68.5	61.5	56.7	52.0	48.5	44.9	40.2	35.5	34.3
105°	60.3	60.3	56.7	53.2	49.6	46.1	43.7	40.2	34.3	30.7	29.5
107.5°	48.5	49.6	48.5	47.3	43.7	41.4	39.0	34.3	29.5	26.0	26.0
110°	40.2	40.2	41.4	40.2	39.0	36.6	34.3	30.7	26.0	23.6	23.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.1	34.3	35.5	35.5	34.3	33.1	30.7	27.2	22.5	20.1	20.1
115°	28.4	28.4	30.7	30.7	30.7	29.5	27.2	23.6	20.1	17.7	18.9
117.5°	23.6	24.8	26.0	27.2	27.2	26.0	23.6	20.1	16.5	16.5	16.5
120°	21.3	21.3	22.5	23.6	23.6	23.6	21.3	17.7	15.4	14.2	14.2
122.5°	18.9	18.9	20.1	21.3	21.3	20.1	18.9	15.4	13.0	13.0	13.0
125°	16.5	16.5	17.7	18.9	18.9	17.7	15.4	13.0	11.8	11.8	11.8
127.5°	14.2	15.4	15.4	16.5	16.5	15.4	14.2	11.8	9.5	10.6	10.6
130°	13.0	13.0	14.2	14.2	14.2	13.0	11.8	9.5	9.5	9.5	9.5
132.5°	11.8	11.8	11.8	11.8	11.8	11.8	9.5	8.3	8.3	8.3	8.3
135°	9.5	10.6	10.6	10.6	10.6	9.5	8.3	7.1	7.1	7.1	8.3
137.5°	8.3	8.3	9.5	8.3	8.3	8.3	5.9	5.9	5.9	7.1	7.1
140°	7.1	7.1	7.1	7.1	7.1	5.9	4.7	4.7	5.9	5.9	5.9
142.5°	5.9	5.9	5.9	5.9	4.7	4.7	3.5	3.5	4.7	4.7	5.9
145°	4.7	4.7	4.7	4.7	3.5	3.5	2.4	3.5	3.5	4.7	4.7
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	2.4	2.4	3.5	3.5
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

(END OF REPORT)