

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: P694788

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694788
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-PA16-30-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA 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: 2961 lumens
Efficiency: N/A
Efficacy: 101.4 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 - G3

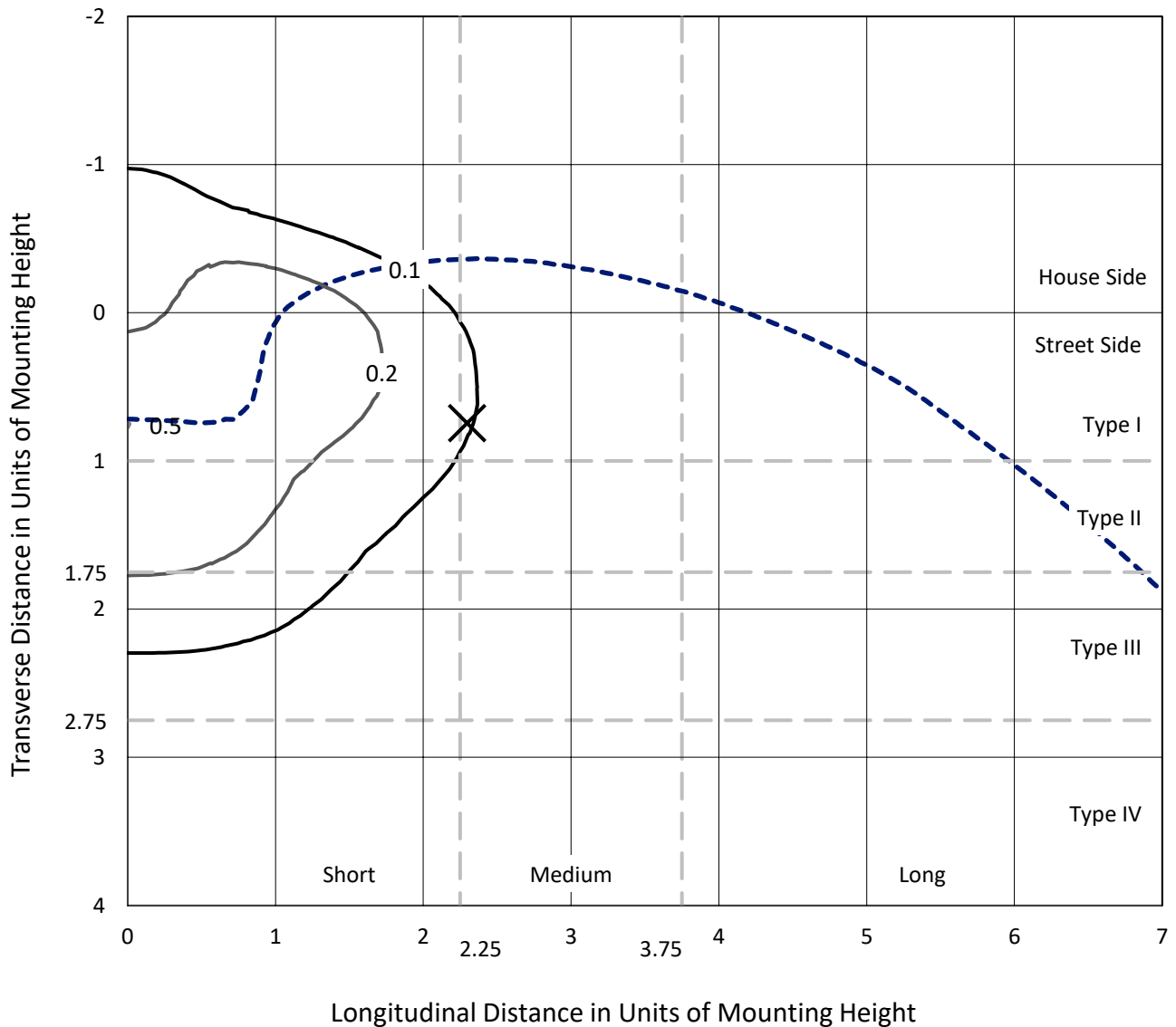
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

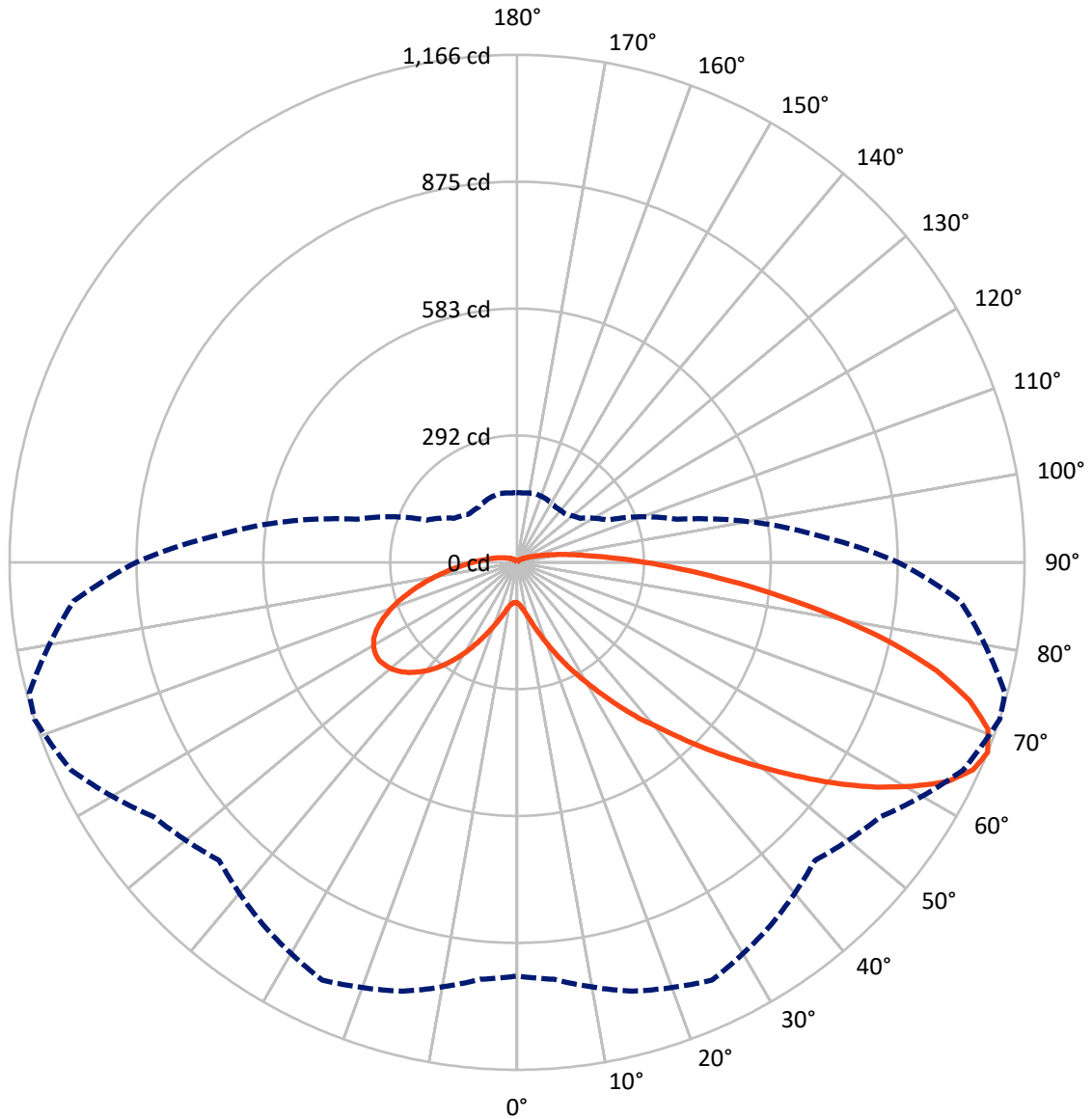
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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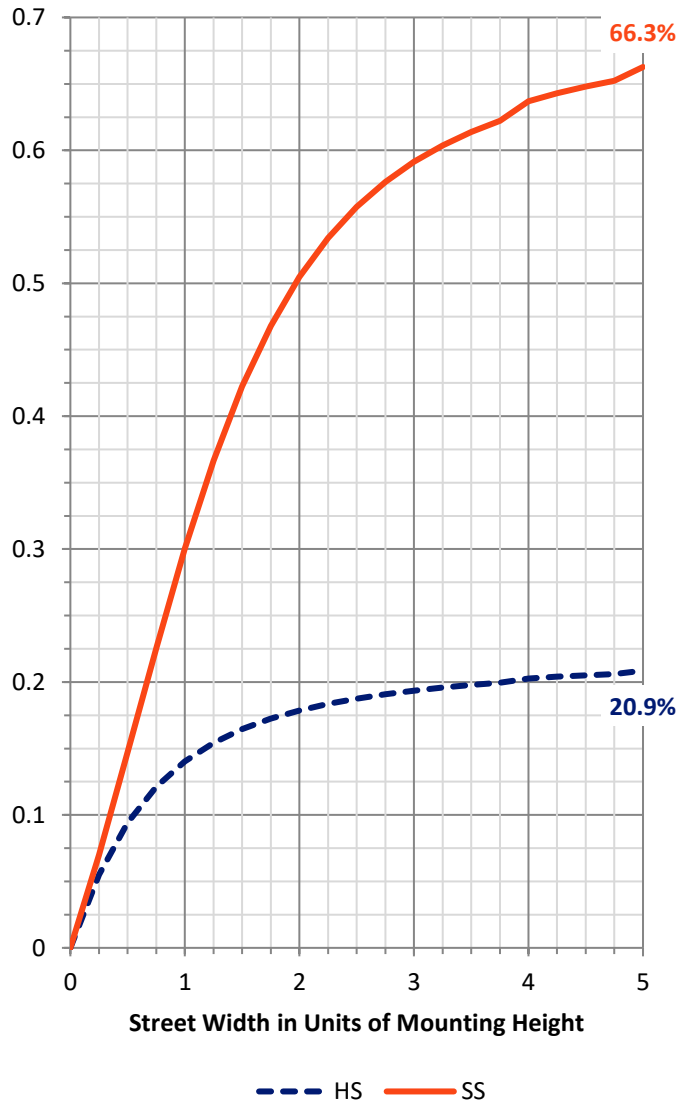
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	654.1	87.6	741.7
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2073.1	146.2	2219.3
	% Fixture	70.0	4.9	75.0
Total	Lumens	2727.2	233.8	2961.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.3
10°-20°	40.6	1.4
20°-30°	104.0	3.5
30°-40°	208.9	7.1
40°-50°	351.6	11.9
50°-60°	519.3	17.5
60°-70°	639.9	21.6
70°-80°	552.5	18.7
80°-90°	300.6	10.2
90°-100°	127.8	4.3
100°-110°	56.0	1.9
110°-120°	27.0	0.9
120°-130°	13.7	0.5
130°-140°	6.7	0.2
140°-150°	2.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2727.2	92.1
0°-180°	2961.0	100.0

Coefficient of Utilization

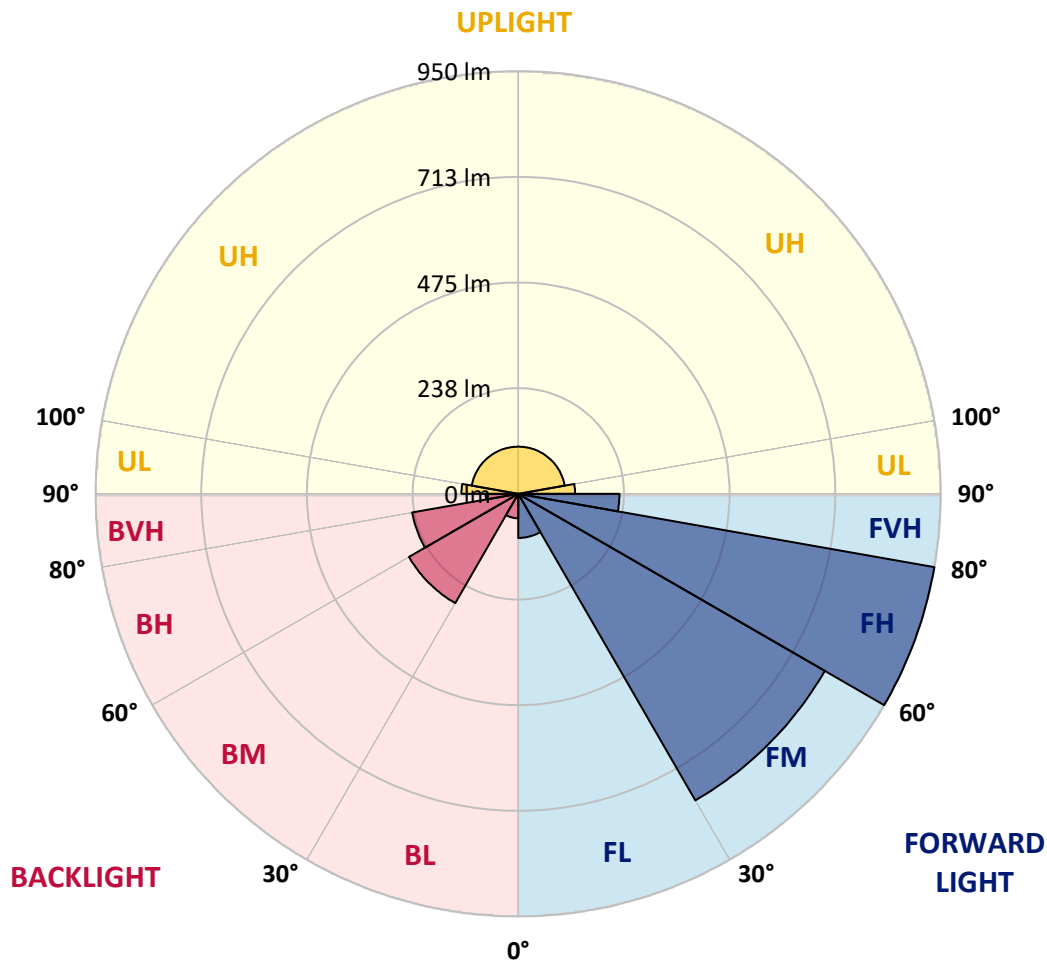


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.3	3.4			
FM (30°-60°)	796.1	26.9			
FH (60°-80°)	950.3	32.1			G1/1800
FVH (80°-90°)	227.5	7.7			G3/500
BL (0°-30°)	55.1	1.9	B0/110		
BM (30°-60°)	283.7	9.6	B1/1000		
BH (60°-80°)	242.1	8.2	B1/500		G1/500
BVH (80°-90°)	73.1	2.5			G1/100
UL (90°-100°)	127.8	4.3		U3/500	
UH (100°-180°)	106.1	3.6		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	102.2	102.2	102.2	101.2	100.1	100.1	99.0	97.9	96.8	95.7	94.6
5°	114.2	114.2	113.1	113.1	110.9	109.9	107.7	104.4	103.3	102.2	99.0
7.5°	129.4	129.4	127.3	127.3	124.0	121.8	118.6	114.2	110.9	109.9	105.5
10°	146.8	145.8	145.8	142.5	139.2	137.1	131.6	126.2	122.9	120.7	115.3
12.5°	169.7	168.6	166.4	163.2	158.8	153.4	147.9	142.5	137.1	134.9	128.4
15°	194.7	194.7	192.5	187.1	181.7	174.0	167.5	161.0	156.6	154.5	145.8
17.5°	224.1	223.0	220.8	214.3	205.6	198.0	190.4	182.7	177.3	175.1	165.3
20°	260.0	258.9	252.4	242.6	235.0	224.1	214.3	205.6	201.2	199.1	188.2
22.5°	299.1	297.0	290.4	278.5	263.2	252.4	241.5	232.8	228.4	225.2	215.4
25°	343.7	340.5	331.8	313.3	295.9	280.6	269.8	261.1	258.9	256.7	243.7
27.5°	392.7	390.5	378.5	355.7	331.8	314.4	300.2	294.8	290.4	288.3	274.1
30°	449.2	446.0	427.5	401.4	369.8	344.8	331.8	328.5	325.2	326.3	313.3
32.5°	504.7	504.7	481.9	447.1	407.9	378.5	363.3	365.5	364.4	364.4	349.2
35°	564.5	565.6	537.3	499.3	448.1	414.4	399.2	404.6	406.8	405.7	390.5
37.5°	627.6	625.5	597.2	549.3	490.6	449.2	436.2	443.8	453.6	450.3	436.2
40°	697.2	692.9	665.7	603.7	537.3	487.3	475.3	490.6	497.1	501.4	481.9
42.5°	760.3	758.2	726.6	662.4	584.1	527.6	514.5	535.2	552.6	553.7	534.1
45°	822.3	818.0	791.9	720.1	629.8	573.2	562.4	591.7	612.4	614.6	592.8
47.5°	878.9	878.9	849.5	778.8	686.4	618.9	611.3	650.5	676.6	678.8	654.8
50°	937.6	935.5	910.4	838.6	739.7	669.0	665.7	715.7	745.1	748.4	716.8
52.5°	981.1	981.1	964.8	897.4	790.8	717.9	723.3	782.1	820.2	828.9	787.5
55°	1019.2	1020.3	1009.4	948.5	849.5	771.2	778.8	852.8	898.5	910.4	858.2
57.5°	1044.2	1045.3	1048.6	1000.7	900.6	820.2	839.7	927.8	974.6	984.4	925.7
60°	1054.0	1057.3	1072.5	1041.0	946.3	871.3	897.4	995.3	1044.2	1055.1	980.1
62.5°	1044.2	1049.7	1080.1	1069.2	987.7	914.8	949.6	1057.3	1109.5	1113.8	1023.6
65°	1014.9	1021.4	1062.7	1075.8	1011.6	949.6	995.3	1105.1	1150.8	1151.9	1037.7
67.5°	950.7	961.6	1020.3	1059.5	1017.0	968.1	1019.2	1130.2	1166.1	1160.6	1022.5
70°	872.4	881.1	948.5	1011.6	997.5	964.8	1022.5	1124.7	1147.6	1134.5	971.4
72.5°	763.6	773.4	852.8	935.5	947.4	938.7	995.3	1087.7	1087.7	1068.2	891.9
75°	646.1	664.6	735.3	833.2	876.7	881.1	942.0	1011.6	996.4	968.1	779.9
77.5°	531.9	538.4	608.0	716.8	773.4	799.5	853.9	900.6	873.5	839.7	661.3
80°	423.1	428.6	491.7	591.7	663.5	708.1	752.7	767.9	729.9	696.2	539.5
82.5°	328.5	335.0	391.6	479.7	551.5	596.1	633.1	636.3	591.7	561.3	429.7
85°	246.9	253.4	301.3	379.6	447.1	493.8	516.7	514.5	465.6	440.5	332.8
87.5°	191.4	190.4	229.5	291.5	354.6	391.6	409.0	394.8	361.1	339.4	255.6
90°	142.5	146.8	177.3	227.3	276.3	307.8	322.0	305.7	277.4	260.0	196.9
92.5°	109.9	112.0	139.2	177.3	218.6	245.8	255.6	237.1	209.9	200.1	151.2
95°	85.9	88.1	107.7	139.2	169.7	190.4	195.8	181.7	159.9	152.3	117.5
97.5°	69.6	70.7	84.8	110.9	134.9	151.2	153.4	139.2	125.1	116.4	92.5
100°	55.5	55.5	68.5	88.1	106.6	119.7	118.6	109.9	97.9	91.4	71.8
102.5°	45.7	45.7	55.5	72.9	87.0	96.8	96.8	85.9	76.1	70.7	56.6
105°	38.1	38.1	45.7	58.7	71.8	79.4	78.3	69.6	59.8	55.5	44.6
107.5°	32.6	32.6	38.1	48.9	58.7	65.3	64.2	55.5	47.9	44.6	37.0
110°	28.3	28.3	32.6	41.3	50.0	54.4	53.3	44.6	38.1	35.9	30.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	23.9	25.0	27.2	34.8	42.4	46.8	44.6	37.0	30.5	28.3	26.1
115°	21.8	21.8	23.9	29.4	35.9	39.2	37.0	30.5	25.0	23.9	21.8
117.5°	19.6	19.6	21.8	26.1	31.5	33.7	31.5	25.0	21.8	19.6	18.5
120°	17.4	17.4	18.5	22.8	26.1	28.3	26.1	20.7	17.4	17.4	16.3
122.5°	16.3	16.3	17.4	19.6	22.8	23.9	21.8	17.4	15.2	15.2	15.2
125°	14.1	15.2	15.2	17.4	19.6	20.7	18.5	15.2	13.1	13.1	13.1
127.5°	13.1	13.1	14.1	15.2	16.3	17.4	15.2	13.1	12.0	10.9	12.0
130°	12.0	12.0	12.0	13.1	14.1	14.1	13.1	10.9	9.8	9.8	10.9
132.5°	10.9	10.9	10.9	10.9	12.0	12.0	10.9	8.7	8.7	8.7	9.8
135°	9.8	9.8	9.8	9.8	9.8	9.8	8.7	7.6	7.6	7.6	8.7
137.5°	8.7	8.7	8.7	8.7	7.6	7.6	6.5	6.5	6.5	6.5	7.6
140°	7.6	7.6	7.6	6.5	6.5	5.4	5.4	5.4	5.4	5.4	6.5
142.5°	6.5	6.5	6.5	5.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4
145°	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	4.4
147.5°	4.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	3.3	3.3	2.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
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°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	94.6	93.5	92.5	91.4	90.3	90.3	89.2	88.1	88.1	88.1	87.0
5°	97.9	95.7	93.5	91.4	88.1	87.0	84.8	83.8	82.7	81.6	81.6
7.5°	103.3	101.2	96.8	92.5	89.2	85.9	82.7	80.5	79.4	78.3	78.3
10°	112.0	108.8	102.2	96.8	91.4	87.0	83.8	80.5	79.4	78.3	77.2
12.5°	124.0	120.7	112.0	103.3	96.8	90.3	85.9	82.7	80.5	79.4	79.4
15°	141.4	136.0	125.1	114.2	104.4	96.8	91.4	88.1	87.0	85.9	85.9
17.5°	159.9	152.3	140.3	126.2	115.3	105.5	99.0	96.8	94.6	93.5	93.5
20°	181.7	173.0	157.7	140.3	126.2	116.4	108.8	104.4	102.2	101.2	101.2
22.5°	205.6	198.0	176.2	156.6	139.2	128.4	117.5	112.0	109.9	108.8	109.9
25°	233.9	223.0	198.0	174.0	153.4	138.1	127.3	119.7	118.6	117.5	118.6
27.5°	265.4	251.3	221.9	190.4	166.4	147.9	136.0	128.4	127.3	126.2	127.3
30°	299.1	286.1	246.9	209.9	179.5	156.6	143.6	137.1	134.9	136.0	134.9
32.5°	336.1	315.4	271.9	227.3	190.4	163.2	149.0	143.6	143.6	144.7	144.7
35°	376.4	353.5	297.0	243.7	199.1	169.7	154.5	150.1	150.1	152.3	152.3
37.5°	416.6	389.4	322.0	256.7	205.6	173.0	158.8	155.5	155.5	158.8	158.8
40°	460.1	427.5	344.8	268.7	211.0	176.2	161.0	159.9	161.0	164.2	164.2
42.5°	506.9	464.5	365.5	277.4	213.2	177.3	163.2	163.2	165.3	167.5	168.6
45°	555.8	504.7	386.1	282.8	214.3	177.3	164.2	164.2	168.6	170.8	170.8
47.5°	609.1	545.0	402.5	286.1	213.2	176.2	164.2	166.4	169.7	171.9	171.9
50°	666.8	588.5	417.7	286.1	211.0	175.1	164.2	166.4	170.8	171.9	171.9
52.5°	723.3	630.9	427.5	282.8	207.8	173.0	163.2	166.4	170.8	170.8	170.8
55°	783.2	671.1	436.2	278.5	203.4	170.8	162.1	166.4	169.7	169.7	169.7
57.5°	831.0	703.8	437.3	271.9	199.1	168.6	161.0	165.3	168.6	167.5	167.5
60°	872.4	726.6	434.0	263.2	193.6	165.3	159.9	164.2	167.5	165.3	165.3
62.5°	899.6	736.4	424.2	253.4	188.2	163.2	158.8	163.2	166.4	164.2	164.2
65°	900.6	726.6	405.7	242.6	181.7	159.9	156.6	162.1	165.3	162.1	162.1
67.5°	875.6	697.2	381.8	229.5	176.2	156.6	154.5	159.9	163.2	159.9	159.9
70°	822.3	648.3	352.4	216.5	168.6	153.4	152.3	157.7	159.9	156.6	155.5
72.5°	745.1	583.0	319.8	201.2	161.0	147.9	147.9	153.4	155.5	152.3	151.2
75°	645.0	508.0	283.9	184.9	152.3	142.5	143.6	147.9	150.1	146.8	144.7
77.5°	542.8	431.8	249.1	170.8	143.6	136.0	137.1	142.5	143.6	140.3	138.1
80°	440.5	351.3	214.3	154.5	133.8	129.4	130.5	133.8	134.9	131.6	129.4
82.5°	353.5	286.1	181.7	139.2	124.0	120.7	122.9	125.1	125.1	121.8	119.7
85°	278.5	227.3	154.5	122.9	113.1	112.0	114.2	115.3	114.2	110.9	108.8
87.5°	215.4	180.6	129.4	107.7	102.2	103.3	104.4	104.4	103.3	101.2	97.9
90°	167.5	143.6	108.8	94.6	92.5	93.5	94.6	94.6	92.5	89.2	87.0
92.5°	132.7	116.4	91.4	82.7	82.7	84.8	84.8	84.8	81.6	78.3	77.2
95°	103.3	92.5	77.2	72.9	72.9	75.1	76.1	75.1	71.8	68.5	67.4
97.5°	82.7	75.1	66.4	63.1	65.3	67.4	67.4	65.3	62.0	59.8	58.7
100°	66.4	60.9	55.5	55.5	57.7	59.8	59.8	57.7	54.4	50.0	50.0
102.5°	53.3	51.1	47.9	48.9	50.0	52.2	52.2	50.0	45.7	42.4	42.4
105°	43.5	42.4	41.3	42.4	44.6	45.7	45.7	43.5	39.2	35.9	35.9
107.5°	35.9	34.8	34.8	37.0	39.2	40.2	40.2	37.0	33.7	30.5	31.5
110°	30.5	29.4	29.4	31.5	33.7	34.8	34.8	32.6	28.3	26.1	27.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	25.0	26.1	28.3	30.5	31.5	30.5	27.2	23.9	22.8	22.8
115°	21.8	21.8	22.8	25.0	26.1	27.2	26.1	23.9	20.7	19.6	19.6
117.5°	18.5	18.5	19.6	21.8	22.8	23.9	22.8	20.7	17.4	17.4	17.4
120°	16.3	16.3	17.4	19.6	20.7	20.7	19.6	17.4	15.2	15.2	15.2
122.5°	15.2	15.2	15.2	16.3	17.4	18.5	17.4	15.2	13.1	13.1	13.1
125°	13.1	13.1	14.1	15.2	15.2	15.2	14.1	13.1	12.0	12.0	12.0
127.5°	12.0	12.0	12.0	13.1	14.1	13.1	12.0	10.9	9.8	10.9	10.9
130°	10.9	10.9	10.9	10.9	12.0	12.0	10.9	9.8	8.7	8.7	8.7
132.5°	9.8	9.8	9.8	9.8	9.8	9.8	8.7	7.6	7.6	8.7	8.7
135°	8.7	8.7	8.7	8.7	8.7	8.7	7.6	6.5	6.5	7.6	7.6
137.5°	7.6	7.6	7.6	6.5	7.6	6.5	6.5	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
142.5°	5.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4
145°	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
147.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
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)