

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: P694799

Luminaire Tested: **LXF.LXT-PA16-30-730-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3115 lumens
Efficiency: N/A
Efficacy: 106.7 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

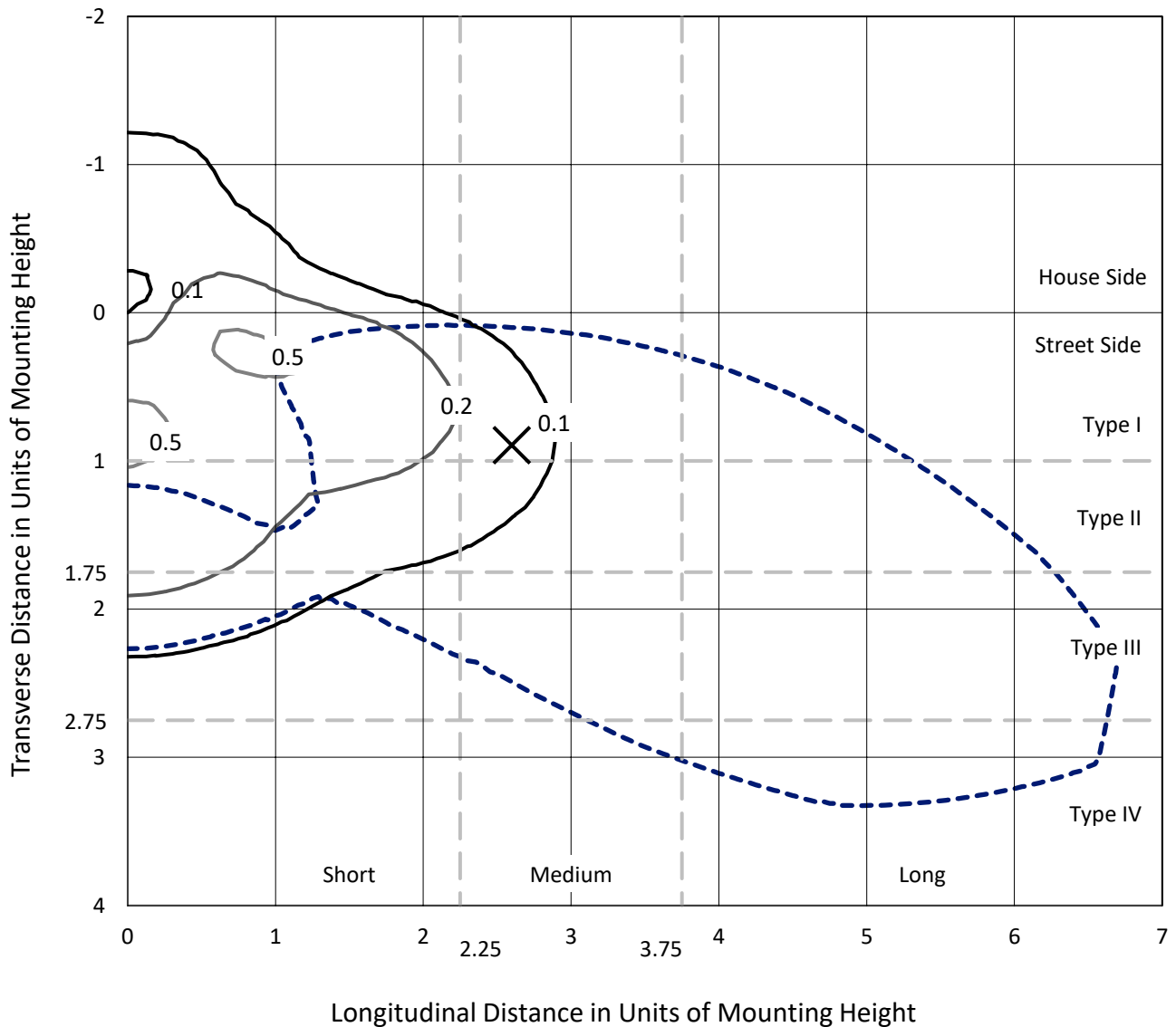
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

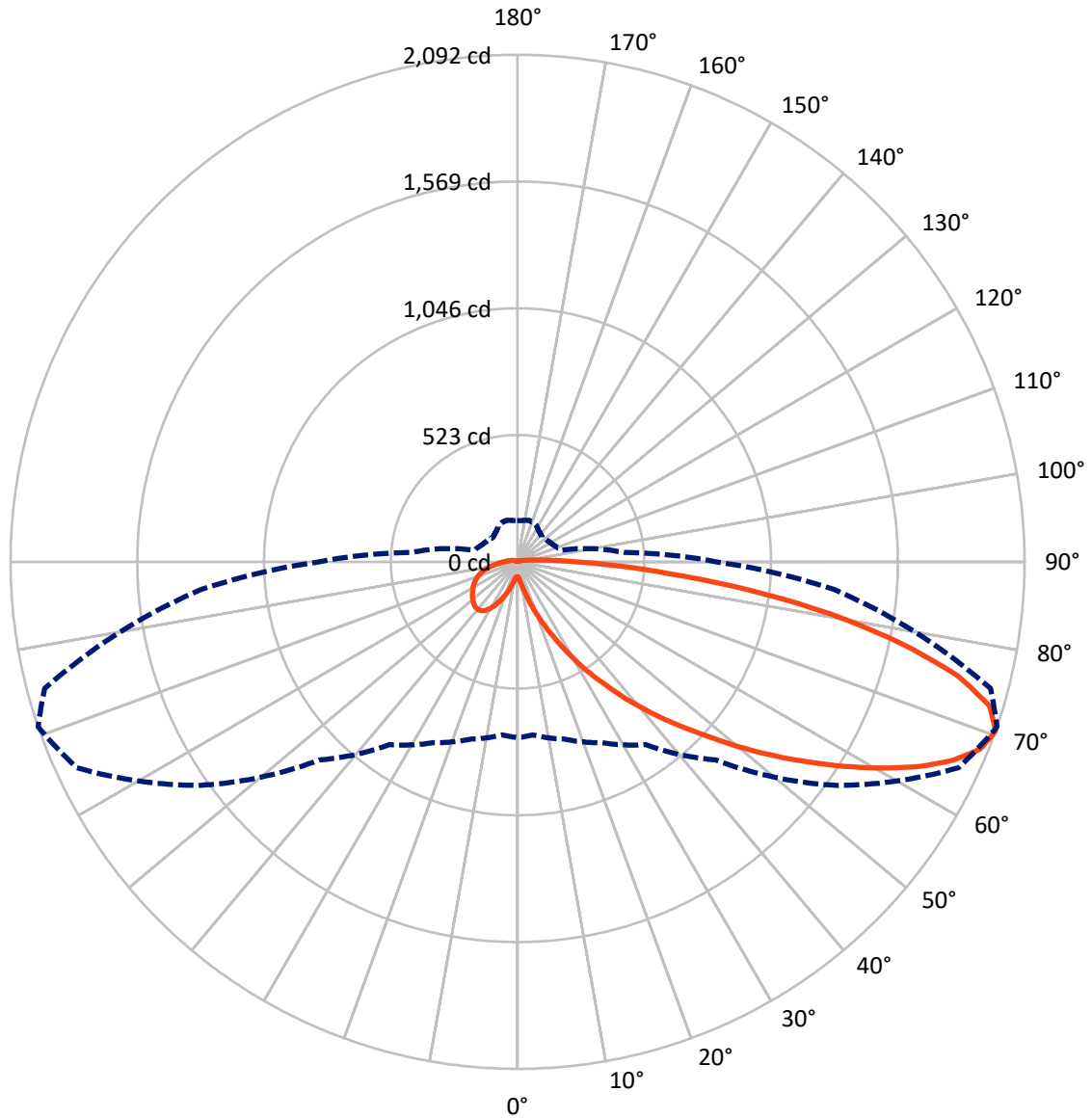
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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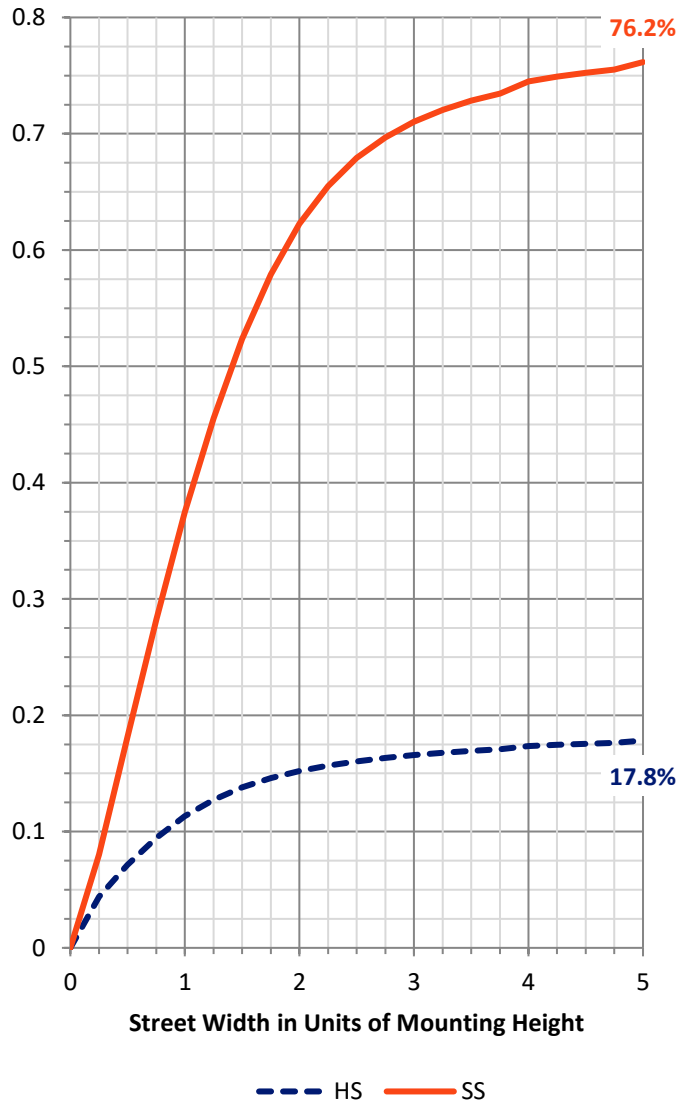
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.0	50.0	631.9
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	2428.7	54.4	2483.1
	% Fixture	78.0	1.7	79.7
Total	Lumens	3010.6	104.4	3115.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.2
10°-20°	36.4	1.2
20°-30°	112.0	3.6
30°-40°	243.1	7.8
40°-50°	405.9	13.0
50°-60°	601.3	19.3
60°-70°	756.7	24.3
70°-80°	608.0	19.5
80°-90°	240.3	7.7
90°-100°	57.9	1.9
100°-110°	22.8	0.7
110°-120°	11.3	0.4
120°-130°	6.4	0.2
130°-140°	3.8	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3010.6	96.6
0°-180°	3115.0	100.0

Coefficient of Utilization

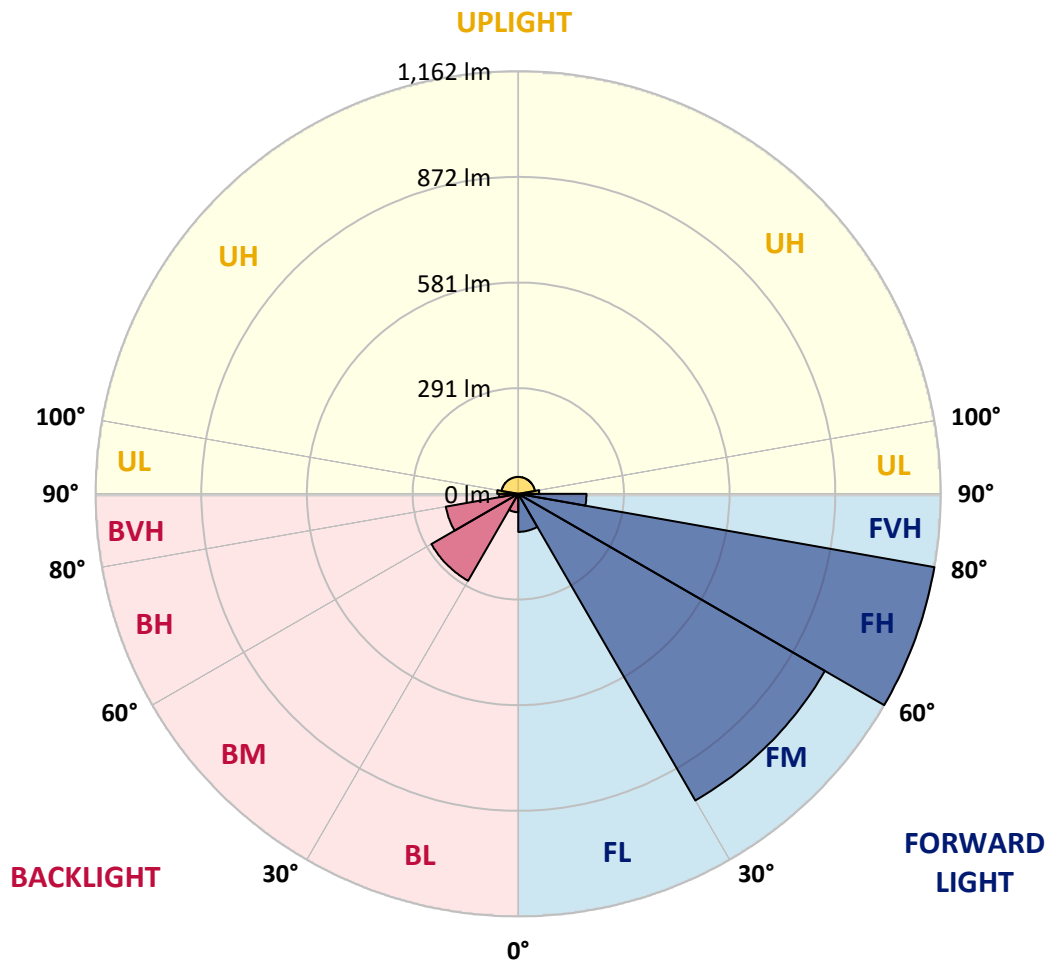


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.7	3.4			
FM (30°-60°)	974.0	31.3			
FH (60°-80°)	1162.4	37.3			G1/1800
FVH (80°-90°)	187.6	6.0			G2/225
BL (0°-30°)	50.7	1.6	B0/110		
BM (30°-60°)	276.2	8.9	B1/1000		
BH (60°-80°)	202.3	6.5	B1/500		G1/500
BVH (80°-90°)	52.7	1.7			G1/100
UL (90°-100°)	57.9	1.9		U3/500	
UH (100°-180°)	46.5	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2.5°	68.6	68.6	68.6	68.6	68.6	67.4	66.2	66.2	65.0	65.0	63.8
5°	81.6	81.6	80.4	80.4	79.2	78.0	76.8	74.5	73.3	72.1	69.7
7.5°	96.9	95.7	94.6	94.6	94.6	92.2	89.8	87.5	85.1	82.7	79.2
10°	115.8	114.6	114.6	113.5	112.3	111.1	108.7	105.2	101.6	100.5	94.6
12.5°	138.3	137.1	138.3	137.1	133.6	133.6	132.4	127.6	125.3	122.9	114.6
15°	166.6	166.6	166.6	163.1	161.9	159.6	160.7	157.2	154.8	152.5	141.8
17.5°	202.1	202.1	199.7	196.2	191.5	191.5	192.7	192.7	193.8	186.7	172.6
20°	242.3	245.8	238.7	231.7	225.7	226.9	229.3	236.4	236.4	229.3	212.7
22.5°	294.3	290.7	287.2	273.0	263.6	261.2	270.7	282.5	283.7	282.5	256.5
25°	348.7	347.5	335.7	320.3	303.8	301.4	316.8	335.7	340.4	338.0	307.3
27.5°	406.6	406.6	394.8	367.6	343.9	340.4	359.3	392.4	403.0	404.2	361.7
30°	482.2	475.1	458.6	421.9	391.2	380.6	407.8	455.0	473.9	475.1	420.8
32.5°	547.2	547.2	523.6	482.2	437.3	419.6	452.7	522.4	547.2	544.9	478.7
35°	620.5	614.6	588.6	537.8	482.2	459.8	499.9	589.8	621.7	621.7	534.2
37.5°	687.9	680.8	657.1	596.9	528.3	498.8	549.6	657.1	708.0	708.0	583.9
40°	754.1	752.9	723.3	654.8	576.8	536.6	598.0	734.0	794.2	789.5	635.9
42.5°	828.5	823.8	788.3	715.1	624.0	578.0	648.9	814.3	887.6	880.5	685.5
45°	907.7	897.1	856.9	777.7	667.8	620.5	702.1	893.5	982.2	984.5	741.1
47.5°	979.8	977.4	936.1	842.7	724.5	665.4	760.0	992.8	1088.5	1082.6	793.1
50°	1062.5	1057.8	1008.2	906.5	776.5	717.4	825.0	1090.9	1207.9	1202.0	861.6
52.5°	1144.1	1134.6	1082.6	973.9	836.8	774.2	898.3	1198.5	1330.8	1317.8	930.2
55°	1213.8	1210.3	1144.1	1041.3	903.0	834.4	985.7	1316.6	1458.5	1452.6	1004.6
57.5°	1270.6	1263.5	1202.0	1100.4	963.3	916.0	1087.4	1434.8	1592.0	1577.8	1083.8
60°	1288.3	1281.2	1219.7	1140.5	1020.0	999.9	1202.0	1567.2	1728.0	1709.0	1163.0
62.5°	1250.5	1243.4	1194.9	1144.1	1061.4	1080.3	1328.5	1707.9	1860.3	1841.4	1239.8
65°	1127.5	1124.0	1105.1	1095.6	1068.4	1142.9	1463.2	1832.0	1973.8	1941.9	1302.5
67.5°	943.2	947.9	950.3	985.7	1024.7	1178.4	1557.8	1945.4	2060.1	2015.2	1323.7
70°	725.7	717.4	757.6	823.8	920.7	1155.9	1608.6	2008.1	2092.0	2019.9	1309.6
72.5°	516.5	517.7	562.6	650.1	788.3	1082.6	1599.1	1985.6	2036.4	1952.5	1242.2
75°	356.9	354.6	388.8	475.1	628.8	945.5	1484.5	1880.4	1875.7	1791.8	1098.0
77.5°	239.9	247.0	271.8	336.8	477.5	788.3	1307.2	1633.4	1616.9	1511.7	925.4
80°	169.0	166.6	192.7	241.1	333.3	612.2	1060.2	1334.4	1314.3	1187.8	722.1
82.5°	113.5	119.4	135.9	166.6	238.7	451.5	803.7	988.1	965.6	862.8	505.9
85°	74.5	76.8	92.2	117.0	165.5	310.8	549.6	666.6	626.4	562.6	330.9
87.5°	47.3	49.6	61.5	80.4	114.6	209.2	365.2	411.3	380.6	354.6	200.9
90°	28.4	30.7	40.2	55.5	79.2	140.6	221.0	238.7	212.7	193.8	121.7
92.5°	20.1	21.3	28.4	40.2	57.9	94.6	137.1	137.1	125.3	107.6	76.8
95°	14.2	15.4	21.3	30.7	43.7	65.0	86.3	81.6	72.1	67.4	52.0
97.5°	11.8	11.8	17.7	24.8	35.5	49.6	56.7	52.0	48.5	44.9	39.0
100°	9.5	10.6	15.4	21.3	29.5	37.8	41.4	37.8	34.3	33.1	29.5
102.5°	8.3	9.5	13.0	18.9	24.8	30.7	31.9	28.4	27.2	24.8	22.5
105°	7.1	8.3	10.6	16.5	21.3	26.0	26.0	23.6	21.3	20.1	17.7
107.5°	7.1	7.1	9.5	14.2	18.9	21.3	22.5	18.9	16.5	15.4	14.2
110°	5.9	5.9	8.3	11.8	16.5	18.9	18.9	15.4	13.0	11.8	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	5.9	5.9	8.3	10.6	14.2	16.5	15.4	13.0	10.6	9.5	9.5
115°	5.9	5.9	7.1	9.5	13.0	14.2	13.0	10.6	9.5	8.3	8.3
117.5°	4.7	5.9	7.1	9.5	11.8	13.0	11.8	9.5	8.3	7.1	7.1
120°	4.7	4.7	5.9	8.3	9.5	10.6	10.6	8.3	7.1	5.9	7.1
122.5°	4.7	4.7	5.9	7.1	9.5	9.5	9.5	7.1	5.9	5.9	5.9
125°	4.7	4.7	5.9	7.1	8.3	8.3	8.3	5.9	5.9	4.7	5.9
127.5°	4.7	4.7	4.7	5.9	7.1	8.3	7.1	5.9	4.7	4.7	5.9
130°	4.7	4.7	4.7	5.9	7.1	7.1	5.9	4.7	4.7	4.7	4.7
132.5°	4.7	4.7	4.7	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7
135°	4.7	4.7	4.7	4.7	5.9	5.9	4.7	4.7	3.5	3.5	4.7
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7
140°	4.7	3.5	3.5	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	2.4	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°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2.5°	62.6	62.6	61.5	60.3	59.1	57.9	57.9	57.9	57.9	56.7	56.7
5°	67.4	66.2	63.8	61.5	59.1	56.7	55.5	54.4	53.2	53.2	52.0
7.5°	76.8	74.5	69.7	65.0	61.5	57.9	55.5	53.2	52.0	50.8	50.8
10°	91.0	87.5	79.2	72.1	66.2	60.3	56.7	54.4	53.2	52.0	52.0
12.5°	108.7	104.0	92.2	81.6	72.1	65.0	61.5	57.9	56.7	55.5	55.5
15°	134.7	125.3	109.9	94.6	81.6	72.1	67.4	66.2	65.0	65.0	65.0
17.5°	163.1	152.5	128.8	107.6	91.0	81.6	76.8	75.6	76.8	76.8	76.8
20°	197.4	182.0	150.1	122.9	102.8	93.4	89.8	88.6	91.0	92.2	93.4
22.5°	237.6	213.9	171.4	138.3	117.0	106.4	101.6	102.8	106.4	109.9	109.9
25°	282.5	252.9	195.0	153.6	131.2	119.4	115.8	120.6	125.3	130.0	131.2
27.5°	326.2	288.4	218.7	170.2	145.4	131.2	131.2	135.9	147.7	152.5	154.8
30°	372.3	321.5	237.6	186.7	159.6	144.2	145.4	156.0	169.0	176.1	178.5
32.5°	413.7	352.2	252.9	200.9	171.4	157.2	158.4	172.6	190.3	199.7	200.9
35°	455.0	374.7	265.9	213.9	182.0	166.6	171.4	190.3	209.2	219.8	221.0
37.5°	485.8	392.4	271.8	222.2	191.5	173.7	180.8	204.5	225.7	235.2	236.4
40°	514.1	403.0	274.2	228.1	197.4	180.8	189.1	216.3	237.6	247.0	247.0
42.5°	535.4	406.6	273.0	230.5	202.1	184.4	195.0	224.6	245.8	252.9	254.1
45°	557.9	410.1	268.3	230.5	203.3	186.7	197.4	228.1	249.4	254.1	254.1
47.5°	581.5	412.5	262.4	228.1	202.1	186.7	199.7	230.5	249.4	251.7	251.7
50°	614.6	418.4	255.3	223.4	199.7	185.6	199.7	230.5	247.0	244.7	244.7
52.5°	645.3	426.7	248.2	218.7	196.2	183.2	198.6	229.3	242.3	236.4	236.4
55°	683.1	432.6	239.9	211.6	191.5	179.7	195.0	224.6	235.2	228.1	226.9
57.5°	725.7	444.4	232.8	203.3	185.6	176.1	191.5	219.8	228.1	217.5	216.3
60°	769.4	453.9	224.6	196.2	179.7	170.2	185.6	212.7	218.7	208.0	206.8
62.5°	802.5	462.1	216.3	189.1	173.7	164.3	179.7	204.5	209.2	198.6	197.4
65°	830.9	465.7	206.8	180.8	166.6	158.4	172.6	195.0	198.6	189.1	187.9
67.5°	838.0	458.6	195.0	171.4	158.4	151.3	163.1	184.4	189.1	180.8	178.5
70°	820.2	439.7	184.4	163.1	151.3	143.0	153.6	172.6	177.3	170.2	170.2
72.5°	767.1	407.8	171.4	152.5	141.8	133.6	143.0	159.6	165.5	161.9	159.6
75°	684.3	359.3	156.0	141.8	131.2	124.1	131.2	146.6	152.5	151.3	151.3
77.5°	566.1	306.1	139.5	127.6	120.6	113.5	120.6	132.4	139.5	140.6	139.5
80°	436.1	242.3	120.6	113.5	108.7	102.8	108.7	119.4	125.3	127.6	126.5
82.5°	314.4	184.4	101.6	99.3	95.7	93.4	95.7	104.0	112.3	113.5	113.5
85°	217.5	133.6	85.1	85.1	82.7	81.6	83.9	89.8	95.7	98.1	98.1
87.5°	140.6	95.7	68.6	70.9	72.1	70.9	72.1	74.5	80.4	82.7	81.6
90°	92.2	68.6	56.7	59.1	61.5	61.5	60.3	61.5	67.4	68.6	68.6
92.5°	61.5	52.0	48.5	49.6	52.0	53.2	52.0	52.0	55.5	56.7	55.5
95°	46.1	42.5	41.4	42.5	44.9	44.9	44.9	43.7	46.1	47.3	46.1
97.5°	35.5	34.3	35.5	36.6	39.0	39.0	39.0	37.8	39.0	39.0	37.8
100°	28.4	28.4	30.7	31.9	33.1	33.1	33.1	33.1	33.1	30.7	30.7
102.5°	22.5	23.6	26.0	28.4	28.4	29.5	28.4	28.4	27.2	26.0	24.8
105°	18.9	18.9	22.5	23.6	24.8	24.8	24.8	23.6	22.5	20.1	20.1
107.5°	14.2	15.4	18.9	20.1	21.3	21.3	21.3	20.1	18.9	16.5	16.5
110°	11.8	13.0	15.4	17.7	18.9	18.9	18.9	17.7	15.4	13.0	13.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	10.6	13.0	15.4	15.4	16.5	16.5	15.4	13.0	10.6	11.8
115°	8.3	9.5	11.8	13.0	14.2	14.2	14.2	13.0	10.6	9.5	9.5
117.5°	8.3	8.3	10.6	11.8	11.8	13.0	11.8	10.6	9.5	8.3	8.3
120°	7.1	8.3	9.5	10.6	10.6	10.6	10.6	9.5	8.3	8.3	8.3
122.5°	7.1	7.1	8.3	9.5	9.5	9.5	9.5	8.3	7.1	7.1	7.1
125°	5.9	7.1	7.1	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1
127.5°	5.9	5.9	7.1	7.1	7.1	7.1	7.1	7.1	5.9	5.9	5.9
130°	5.9	5.9	5.9	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9
132.5°	4.7	4.7	5.9	5.9	5.9	5.9	5.9	5.9	4.7	5.9	5.9
135°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5
147.5°	2.4	2.4	2.4	2.4	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	2.4	2.4	2.4	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

(END OF REPORT)