

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: P695058

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695058
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-PA16-40-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 3740 lumens
Efficiency: N/A
Efficacy: 93.0 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 - G3

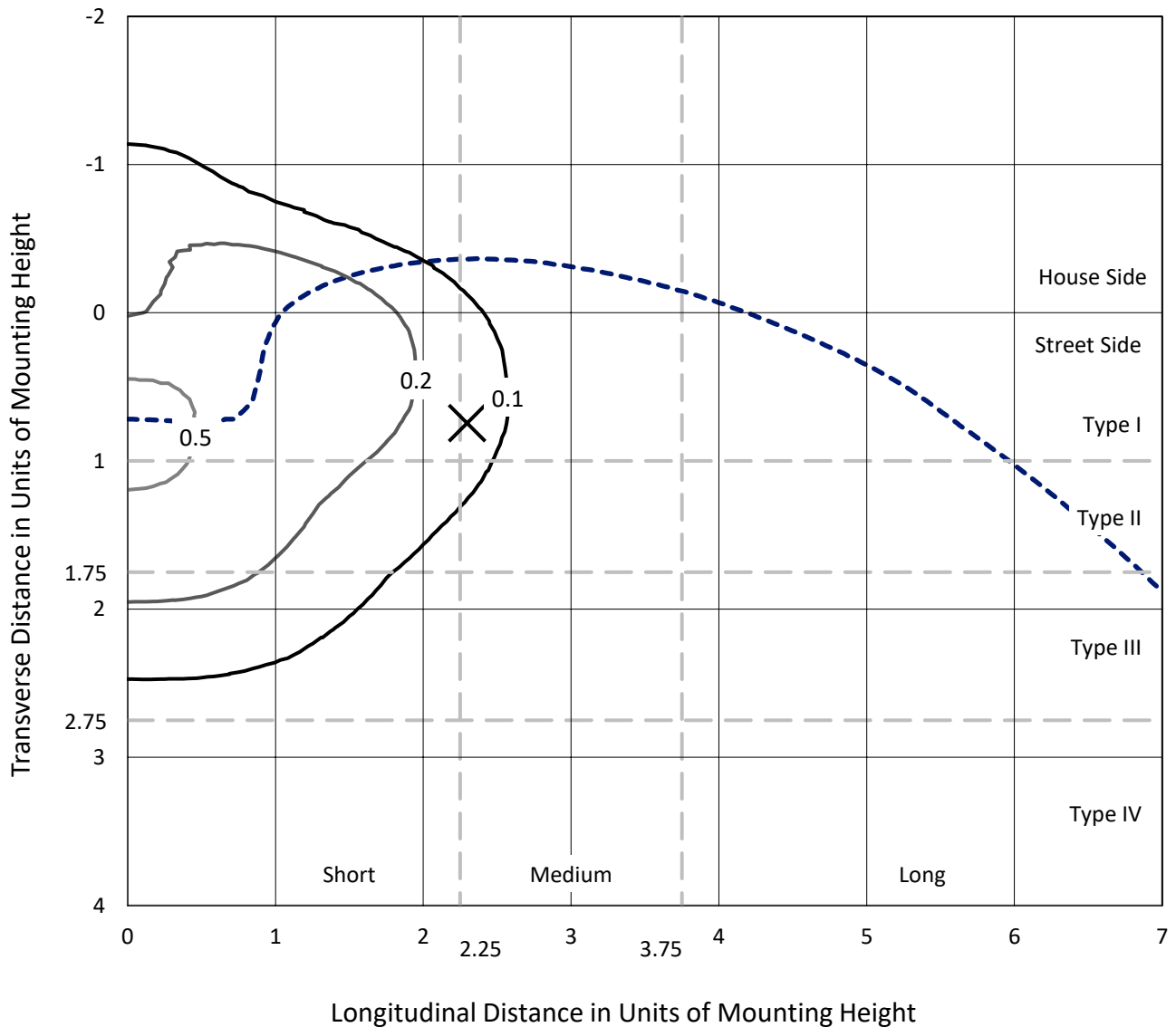
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

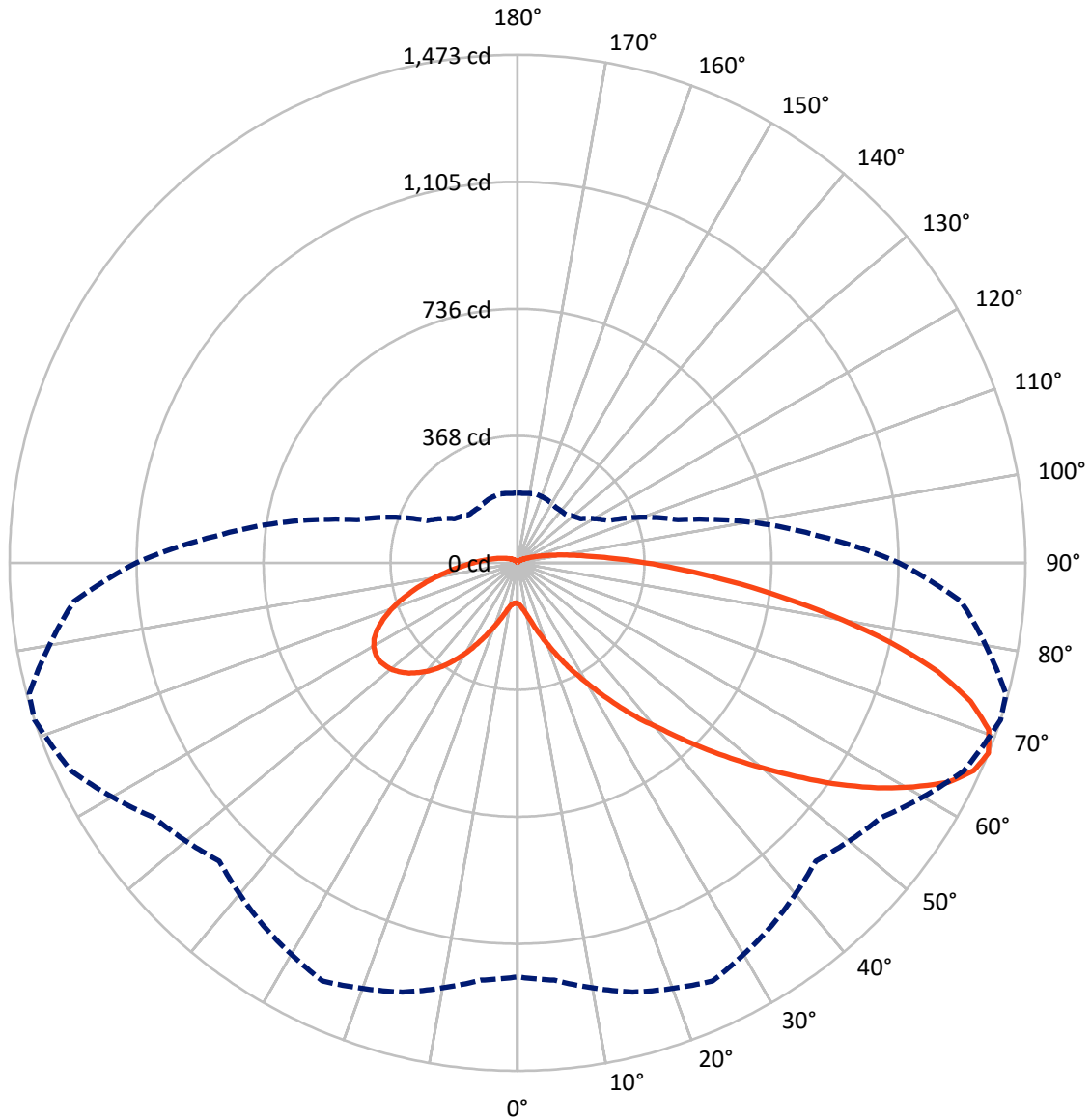
✕ Max cd
 - - - 1/2 Max cd



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 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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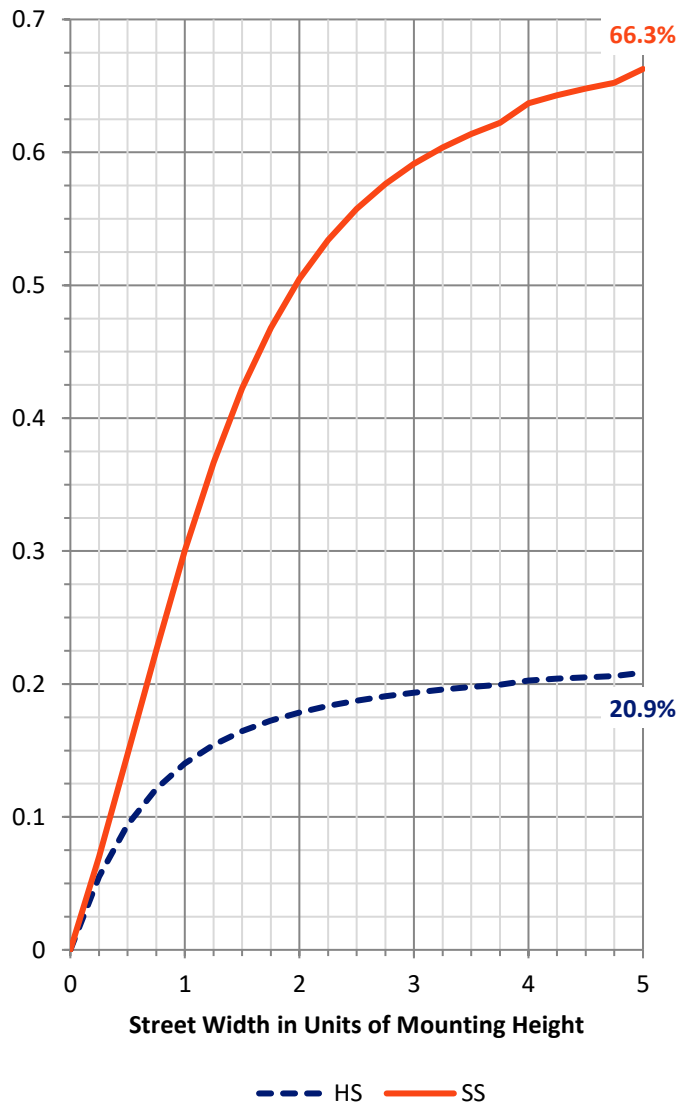
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	826.1	110.7	936.8
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2618.5	184.6	2803.2
	% Fixture	70.0	4.9	75.0
Total	Lumens	3444.7	295.3	3740.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	51.3	1.4
20°-30°	131.3	3.5
30°-40°	263.8	7.1
40°-50°	444.1	11.9
50°-60°	656.0	17.5
60°-70°	808.3	21.6
70°-80°	697.8	18.7
80°-90°	379.7	10.2
90°-100°	161.4	4.3
100°-110°	70.7	1.9
110°-120°	34.1	0.9
120°-130°	17.4	0.5
130°-140°	8.4	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3444.7	92.1
0°-180°	3740.0	100.0

Coefficient of Utilization



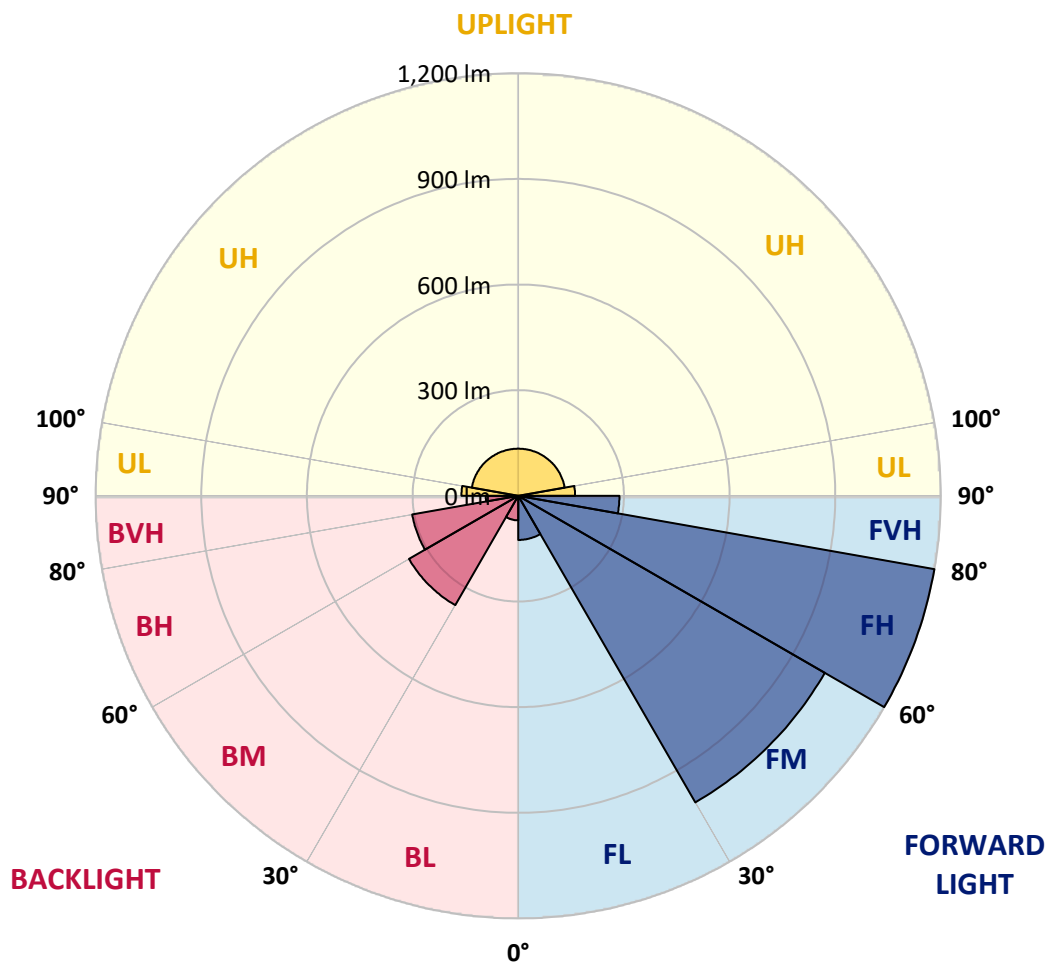
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.4	3.4			
FM (30°-60°)	1005.5	26.9			
FH (60°-80°)	1200.3	32.1			G1/1800
FVH (80°-90°)	287.3	7.7			G3/500
BL (0°-30°)	69.6	1.9	B0/110		
BM (30°-60°)	358.4	9.6	B1/1000		
BH (60°-80°)	305.8	8.2	B1/500		G1/500
BVH (80°-90°)	92.3	2.5			G1/100
UL (90°-100°)	161.4	4.3		U3/500	
UH (100°-180°)	133.9	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°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	129.1	129.1	129.1	127.8	126.4	126.4	125.0	123.7	122.3	120.9	119.5
5°	144.3	144.3	142.9	142.9	140.1	138.8	136.0	131.9	130.5	129.1	125.0
7.5°	163.5	163.5	160.7	160.7	156.6	153.9	149.8	144.3	140.1	138.8	133.3
10°	185.5	184.1	184.1	180.0	175.9	173.1	166.2	159.4	155.3	152.5	145.6
12.5°	214.3	213.0	210.2	206.1	200.6	193.7	186.9	180.0	173.1	170.4	162.1
15°	245.9	245.9	243.2	236.3	229.4	219.8	211.6	203.3	197.8	195.1	184.1
17.5°	283.0	281.7	278.9	270.7	259.7	250.1	240.4	230.8	223.9	221.2	208.8
20°	328.4	327.0	318.7	306.4	296.8	283.0	270.7	259.7	254.2	251.4	237.7
22.5°	377.8	375.1	366.8	351.7	332.5	318.7	305.0	294.0	288.5	284.4	272.0
25°	434.2	430.0	419.0	395.7	373.7	354.5	340.7	329.7	327.0	324.2	307.8
27.5°	496.0	493.2	478.1	449.3	419.0	397.1	379.2	372.3	366.8	364.1	346.2
30°	567.4	563.3	539.9	507.0	467.1	435.5	419.0	414.9	410.8	412.2	395.7
32.5°	637.5	637.5	608.6	564.7	515.2	478.1	458.9	461.6	460.3	460.3	441.0
35°	713.1	714.4	678.7	630.6	566.1	523.5	504.2	511.1	513.8	512.5	493.2
37.5°	792.7	790.0	754.3	693.8	619.6	567.4	550.9	560.6	572.9	568.8	550.9
40°	880.7	875.2	840.8	762.5	678.7	615.5	600.4	619.6	627.9	633.4	608.6
42.5°	960.4	957.6	917.8	836.7	737.8	666.3	649.9	676.0	697.9	699.3	674.6
45°	1038.7	1033.2	1000.2	909.5	795.5	724.1	710.3	747.4	773.5	776.3	748.8
47.5°	1110.1	1110.1	1073.0	983.7	866.9	781.8	772.1	821.6	854.6	857.3	827.1
50°	1184.3	1181.6	1150.0	1059.3	934.3	845.0	840.8	904.0	941.1	945.3	905.4
52.5°	1239.3	1239.3	1218.7	1133.5	998.8	906.8	913.7	987.8	1035.9	1046.9	994.7
55°	1287.4	1288.7	1275.0	1198.1	1073.0	974.1	983.7	1077.1	1134.9	1150.0	1084.0
57.5°	1319.0	1320.3	1324.4	1264.0	1137.6	1035.9	1060.7	1171.9	1231.0	1243.4	1169.2
60°	1331.3	1335.4	1354.7	1314.8	1195.3	1100.5	1133.5	1257.1	1319.0	1332.7	1237.9
62.5°	1319.0	1325.8	1364.3	1350.6	1247.5	1155.5	1199.4	1335.4	1401.4	1406.9	1292.8
65°	1281.9	1290.1	1342.3	1358.8	1277.7	1199.4	1257.1	1395.9	1453.6	1455.0	1310.7
67.5°	1200.8	1214.5	1288.7	1338.2	1284.6	1222.8	1287.4	1427.5	1472.8	1466.0	1291.5
70°	1101.9	1112.9	1198.1	1277.7	1259.9	1218.7	1291.5	1420.6	1449.5	1433.0	1226.9
72.5°	964.5	976.9	1077.1	1181.6	1196.7	1185.7	1257.1	1373.9	1373.9	1349.2	1126.6
75°	816.1	839.5	928.8	1052.4	1107.4	1112.9	1189.8	1277.7	1258.5	1222.8	985.1
77.5°	671.8	680.1	768.0	905.4	976.9	1009.8	1078.5	1137.6	1103.3	1060.7	835.3
80°	534.5	541.3	621.0	747.4	838.1	894.4	950.7	970.0	921.9	879.3	681.5
82.5°	414.9	423.2	494.6	605.9	696.6	752.9	799.6	803.7	747.4	708.9	542.7
85°	311.9	320.1	380.6	479.5	564.7	623.8	652.6	649.9	588.0	556.4	420.4
87.5°	241.8	240.4	289.9	368.2	447.9	494.6	516.6	498.7	456.1	428.7	322.9
90°	180.0	185.5	223.9	287.1	349.0	388.8	406.7	386.1	350.3	328.4	248.7
92.5°	138.8	141.5	175.9	223.9	276.2	310.5	322.9	299.5	265.2	252.8	191.0
95°	108.5	111.3	136.0	175.9	214.3	240.4	247.3	229.4	202.0	192.3	148.4
97.5°	87.9	89.3	107.2	140.1	170.4	191.0	193.7	175.9	158.0	147.0	116.8
100°	70.1	70.1	86.6	111.3	134.6	151.1	149.8	138.8	123.7	115.4	90.7
102.5°	57.7	57.7	70.1	92.1	109.9	122.3	122.3	108.5	96.2	89.3	71.4
105°	48.1	48.1	57.7	74.2	90.7	100.3	98.9	87.9	75.6	70.1	56.3
107.5°	41.2	41.2	48.1	61.8	74.2	82.4	81.1	70.1	60.5	56.3	46.7
110°	35.7	35.7	41.2	52.2	63.2	68.7	67.3	56.3	48.1	45.3	38.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	30.2	31.6	34.3	44.0	53.6	59.1	56.3	46.7	38.5	35.7	33.0
115°	27.5	27.5	30.2	37.1	45.3	49.5	46.7	38.5	31.6	30.2	27.5
117.5°	24.7	24.7	27.5	33.0	39.8	42.6	39.8	31.6	27.5	24.7	23.4
120°	22.0	22.0	23.4	28.9	33.0	35.7	33.0	26.1	22.0	22.0	20.6
122.5°	20.6	20.6	22.0	24.7	28.9	30.2	27.5	22.0	19.2	19.2	19.2
125°	17.9	19.2	19.2	22.0	24.7	26.1	23.4	19.2	16.5	16.5	16.5
127.5°	16.5	16.5	17.9	19.2	20.6	22.0	19.2	16.5	15.1	13.7	15.1
130°	15.1	15.1	15.1	16.5	17.9	17.9	16.5	13.7	12.4	12.4	13.7
132.5°	13.7	13.7	13.7	13.7	15.1	15.1	13.7	11.0	11.0	11.0	12.4
135°	12.4	12.4	12.4	12.4	12.4	12.4	11.0	9.6	9.6	9.6	11.0
137.5°	11.0	11.0	11.0	11.0	9.6	9.6	8.2	8.2	8.2	8.2	9.6
140°	9.6	9.6	9.6	8.2	8.2	6.9	6.9	6.9	6.9	6.9	8.2
142.5°	8.2	8.2	8.2	6.9	5.5	5.5	5.5	5.5	5.5	5.5	6.9
145°	6.9	6.9	5.5	5.5	4.1	4.1	4.1	4.1	4.1	4.1	5.5
147.5°	5.5	5.5	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	4.1	4.1	2.7	2.7	2.7	1.4	1.4	2.7	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	119.5	118.2	116.8	115.4	114.0	114.0	112.7	111.3	111.3	111.3	109.9
5°	123.7	120.9	118.2	115.4	111.3	109.9	107.2	105.8	104.4	103.0	103.0
7.5°	130.5	127.8	122.3	116.8	112.7	108.5	104.4	101.7	100.3	98.9	98.9
10°	141.5	137.4	129.1	122.3	115.4	109.9	105.8	101.7	100.3	98.9	97.5
12.5°	156.6	152.5	141.5	130.5	122.3	114.0	108.5	104.4	101.7	100.3	100.3
15°	178.6	171.7	158.0	144.3	131.9	122.3	115.4	111.3	109.9	108.5	108.5
17.5°	202.0	192.3	177.2	159.4	145.6	133.3	125.0	122.3	119.5	118.2	118.2
20°	229.4	218.5	199.2	177.2	159.4	147.0	137.4	131.9	129.1	127.8	127.8
22.5°	259.7	250.1	222.6	197.8	175.9	162.1	148.4	141.5	138.8	137.4	138.8
25°	295.4	281.7	250.1	219.8	193.7	174.5	160.7	151.1	149.8	148.4	149.8
27.5°	335.2	317.4	280.3	240.4	210.2	186.9	171.7	162.1	160.7	159.4	160.7
30°	377.8	361.3	311.9	265.2	226.7	197.8	181.4	173.1	170.4	171.7	170.4
32.5°	424.5	398.4	343.5	287.1	240.4	206.1	188.2	181.4	181.4	182.7	182.7
35°	475.4	446.5	375.1	307.8	251.4	214.3	195.1	189.6	189.6	192.3	192.3
37.5°	526.2	491.9	406.7	324.2	259.7	218.5	200.6	196.5	196.5	200.6	200.6
40°	581.2	539.9	435.5	339.4	266.5	222.6	203.3	202.0	203.3	207.5	207.5
42.5°	640.2	586.7	461.6	350.3	269.3	223.9	206.1	206.1	208.8	211.6	213.0
45°	702.1	637.5	487.7	357.2	270.7	223.9	207.5	207.5	213.0	215.7	215.7
47.5°	769.4	688.3	508.3	361.3	269.3	222.6	207.5	210.2	214.3	217.1	217.1
50°	842.2	743.3	527.6	361.3	266.5	221.2	207.5	210.2	215.7	217.1	217.1
52.5°	913.7	796.9	539.9	357.2	262.4	218.5	206.1	210.2	215.7	215.7	215.7
55°	989.2	847.7	550.9	351.7	256.9	215.7	204.7	210.2	214.3	214.3	214.3
57.5°	1049.7	888.9	552.3	343.5	251.4	213.0	203.3	208.8	213.0	211.6	211.6
60°	1101.9	917.8	548.2	332.5	244.6	208.8	202.0	207.5	211.6	208.8	208.8
62.5°	1136.2	930.1	535.8	320.1	237.7	206.1	200.6	206.1	210.2	207.5	207.5
65°	1137.6	917.8	512.5	306.4	229.4	202.0	197.8	204.7	208.8	204.7	204.7
67.5°	1106.0	880.7	482.2	289.9	222.6	197.8	195.1	202.0	206.1	202.0	202.0
70°	1038.7	818.9	445.1	273.4	213.0	193.7	192.3	199.2	202.0	197.8	196.5
72.5°	941.1	736.4	403.9	254.2	203.3	186.9	186.9	193.7	196.5	192.3	191.0
75°	814.7	641.6	358.6	233.6	192.3	180.0	181.4	186.9	189.6	185.5	182.7
77.5°	685.6	545.4	314.6	215.7	181.4	171.7	173.1	180.0	181.4	177.2	174.5
80°	556.4	443.8	270.7	195.1	169.0	163.5	164.9	169.0	170.4	166.2	163.5
82.5°	446.5	361.3	229.4	175.9	156.6	152.5	155.3	158.0	158.0	153.9	151.1
85°	351.7	287.1	195.1	155.3	142.9	141.5	144.3	145.6	144.3	140.1	137.4
87.5°	272.0	228.1	163.5	136.0	129.1	130.5	131.9	131.9	130.5	127.8	123.7
90°	211.6	181.4	137.4	119.5	116.8	118.2	119.5	119.5	116.8	112.7	109.9
92.5°	167.6	147.0	115.4	104.4	104.4	107.2	107.2	107.2	103.0	98.9	97.5
95°	130.5	116.8	97.5	92.1	92.1	94.8	96.2	94.8	90.7	86.6	85.2
97.5°	104.4	94.8	83.8	79.7	82.4	85.2	85.2	82.4	78.3	75.6	74.2
100°	83.8	76.9	70.1	70.1	72.8	75.6	75.6	72.8	68.7	63.2	63.2
102.5°	67.3	64.6	60.5	61.8	63.2	65.9	65.9	63.2	57.7	53.6	53.6
105°	55.0	53.6	52.2	53.6	56.3	57.7	57.7	55.0	49.5	45.3	45.3
107.5°	45.3	44.0	44.0	46.7	49.5	50.8	50.8	46.7	42.6	38.5	39.8
110°	38.5	37.1	37.1	39.8	42.6	44.0	44.0	41.2	35.7	33.0	34.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.6	31.6	33.0	35.7	38.5	39.8	38.5	34.3	30.2	28.9	28.9
115°	27.5	27.5	28.9	31.6	33.0	34.3	33.0	30.2	26.1	24.7	24.7
117.5°	23.4	23.4	24.7	27.5	28.9	30.2	28.9	26.1	22.0	22.0	22.0
120°	20.6	20.6	22.0	24.7	26.1	26.1	24.7	22.0	19.2	19.2	19.2
122.5°	19.2	19.2	19.2	20.6	22.0	23.4	22.0	19.2	16.5	16.5	16.5
125°	16.5	16.5	17.9	19.2	19.2	19.2	17.9	16.5	15.1	15.1	15.1
127.5°	15.1	15.1	15.1	16.5	17.9	16.5	15.1	13.7	12.4	13.7	13.7
130°	13.7	13.7	13.7	13.7	15.1	15.1	13.7	12.4	11.0	11.0	11.0
132.5°	12.4	12.4	12.4	12.4	12.4	12.4	11.0	9.6	9.6	11.0	11.0
135°	11.0	11.0	11.0	11.0	11.0	11.0	9.6	8.2	8.2	9.6	9.6
137.5°	9.6	9.6	9.6	8.2	9.6	8.2	8.2	8.2	8.2	8.2	8.2
140°	8.2	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5	6.9	6.9
145°	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
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)