

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: P695239

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3408 lumens
Efficiency: N/A
Efficacy: 84.8 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

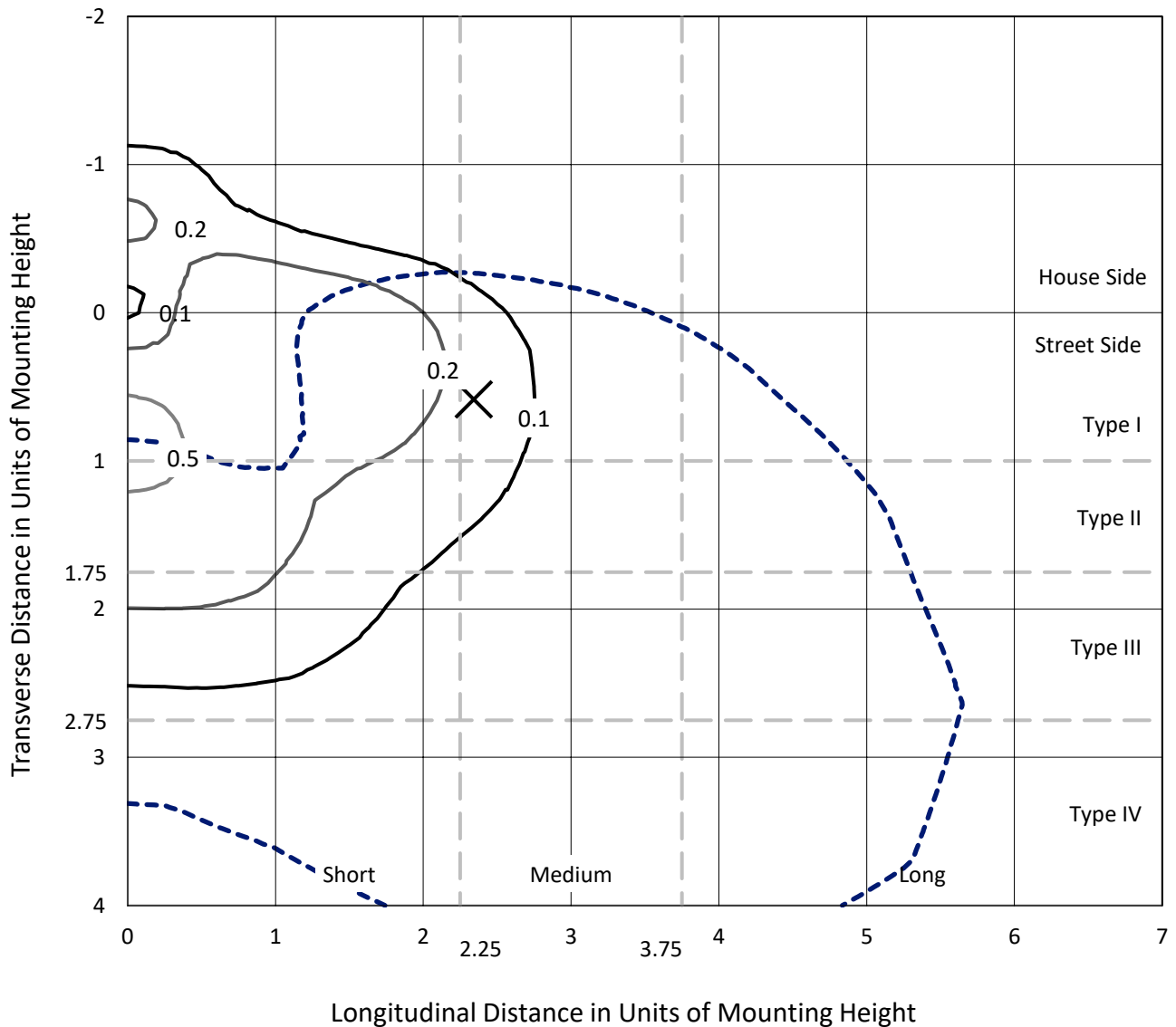
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

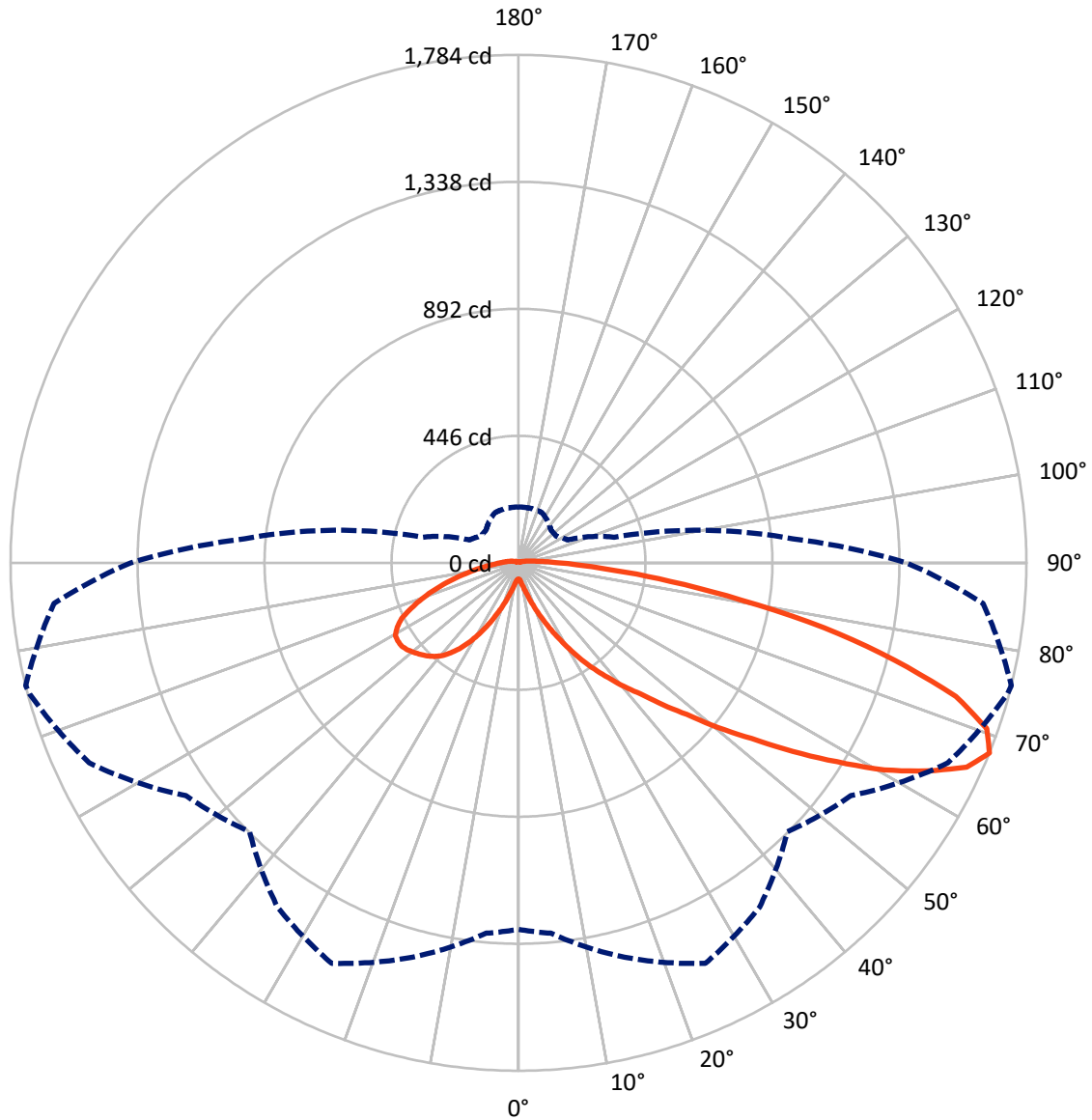
× Max cd
 - - - 1/2 Max cd



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

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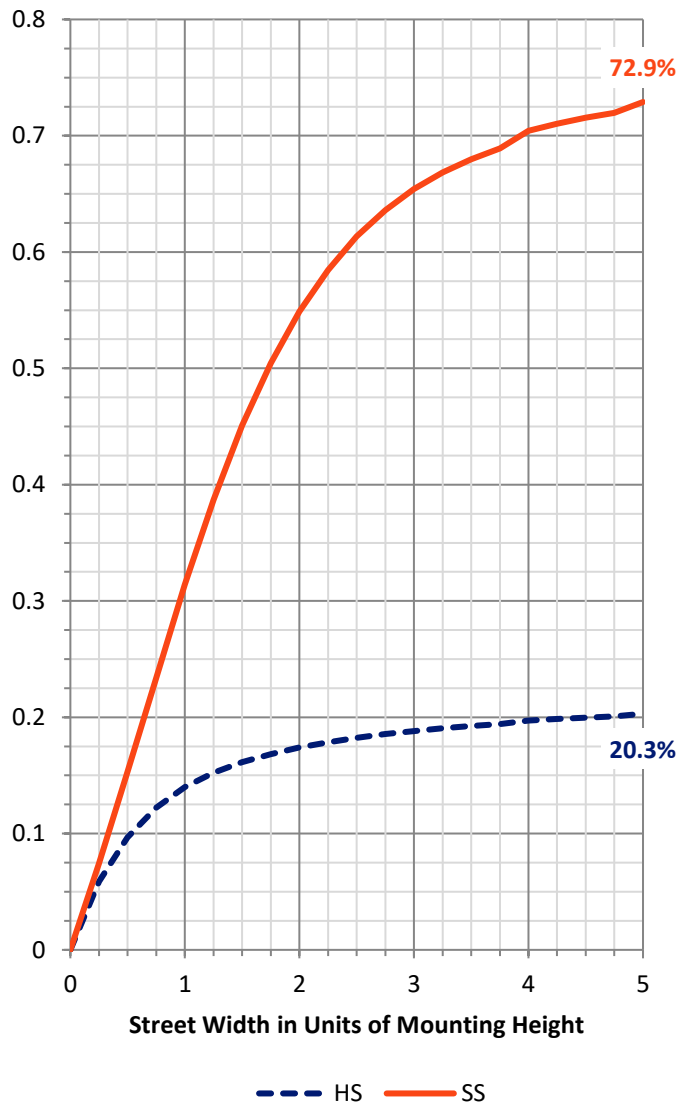
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.9	58.9	788.7
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	2559.8	59.5	2619.3
	% Fixture	75.1	1.7	76.9
Total	Lumens	3289.7	118.4	3408.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	33.7	1.0
20°-30°	106.3	3.1
30°-40°	237.1	7.0
40°-50°	406.9	11.9
50°-60°	634.7	18.6
60°-70°	869.0	25.5
70°-80°	728.3	21.4
80°-90°	267.3	7.8
90°-100°	67.3	2.0
100°-110°	25.6	0.8
110°-120°	12.3	0.4
120°-130°	6.9	0.2
130°-140°	4.0	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3289.7	96.5
0°-180°	3408.0	100.0

Coefficient of Utilization



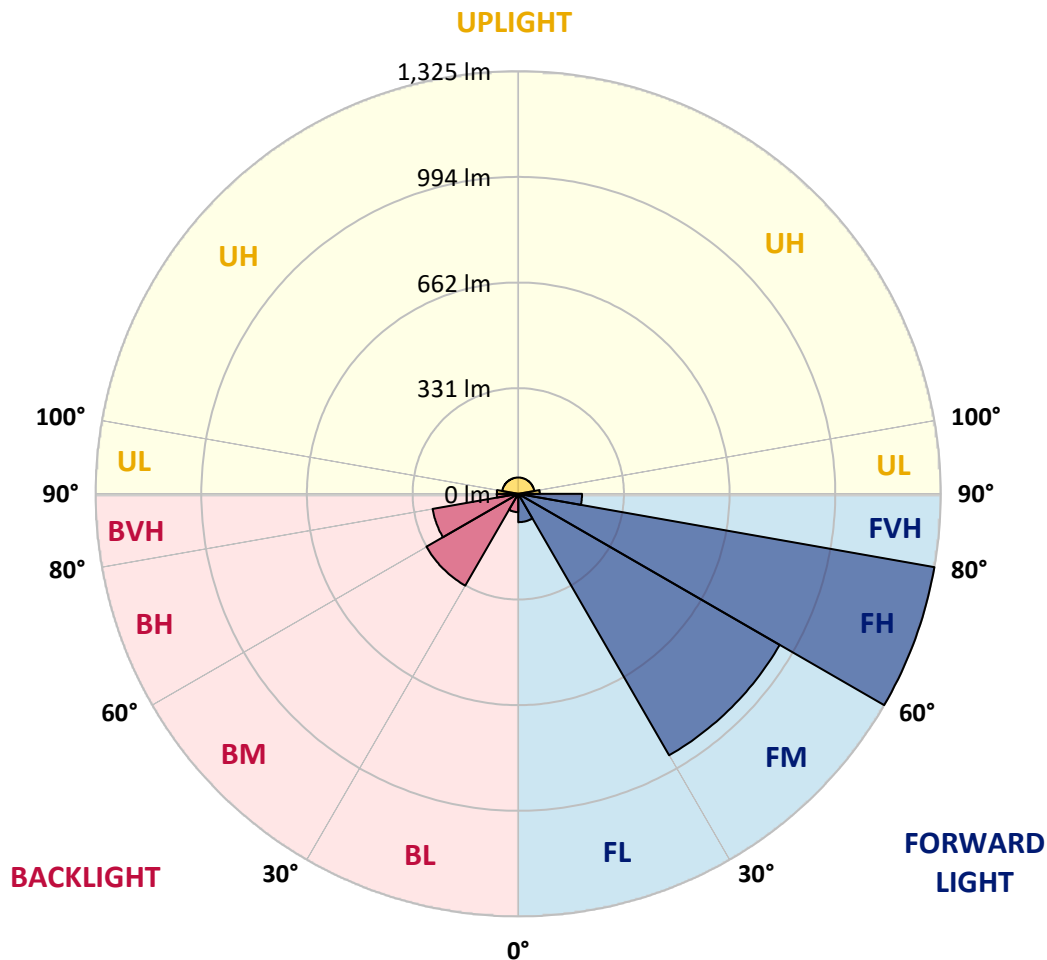
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.0	2.6			
FM (30°-60°)	946.3	27.8			
FH (60°-80°)	1324.7	38.9			G1/1800
FVH (80°-90°)	199.8	5.9			G2/225
BL (0°-30°)	57.5	1.7	B0/110		
BM (30°-60°)	332.3	9.8	B1/1000		
BH (60°-80°)	272.6	8.0	B1/500		G1/500
BVH (80°-90°)	67.5	2.0			G1/100
UL (90°-100°)	67.3	2.0		U3/500	
UH (100°-180°)	51.1	1.5		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°	75°	76°	85°
0°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	60.4	60.4	60.4	60.4	61.6	60.4	60.4	59.1	59.1	57.9	57.9
5°	69.0	69.0	69.0	69.0	69.0	67.8	66.5	65.3	64.1	62.8	62.8
7.5°	81.3	81.3	81.3	80.1	78.8	77.6	76.4	73.9	71.5	71.5	69.0
10°	98.6	98.6	98.6	97.3	93.6	91.2	88.7	85.0	83.8	82.5	80.1
12.5°	122.0	122.0	119.5	117.0	112.1	108.4	104.7	101.0	99.8	98.6	94.9
15°	151.5	150.3	147.8	140.4	135.5	129.4	125.7	122.0	118.3	118.3	117.0
17.5°	187.3	186.0	179.9	170.0	162.6	152.8	147.8	145.4	145.4	144.1	141.7
20°	230.4	230.4	221.7	207.0	192.2	179.9	176.2	174.9	174.9	176.2	172.5
22.5°	285.8	284.6	272.3	247.6	226.7	210.7	207.0	207.0	210.7	210.7	209.4
25°	347.4	346.2	324.0	296.9	263.6	246.4	237.8	243.9	252.5	253.8	255.0
27.5°	422.5	417.6	391.7	349.9	306.7	279.6	273.5	283.3	300.6	299.4	301.8
30°	500.2	497.7	462.0	410.2	352.3	315.4	310.4	328.9	348.6	349.9	356.0
32.5°	591.3	577.8	544.5	475.5	399.1	353.6	346.2	373.3	402.8	405.3	411.5
35°	682.5	681.2	627.0	545.7	448.4	389.3	383.1	415.2	457.0	458.3	466.9
37.5°	774.9	769.9	718.2	614.7	502.6	429.9	420.1	462.0	508.8	511.2	523.6
40°	872.2	866.0	810.6	688.6	559.3	474.3	463.2	512.5	566.7	571.6	586.4
42.5°	957.2	956.0	903.0	769.9	614.7	517.4	510.0	563.0	627.0	629.5	651.7
45°	1050.8	1034.8	985.5	851.3	683.7	570.4	563.0	628.3	701.0	710.8	729.3
47.5°	1124.7	1117.3	1071.8	940.0	753.9	628.3	620.9	698.5	787.2	795.8	811.8
50°	1199.9	1191.3	1150.6	1023.7	830.3	696.0	694.8	787.2	895.6	909.2	926.4
52.5°	1261.5	1256.6	1231.9	1113.7	911.6	763.8	777.3	891.9	1015.1	1025.0	1042.2
55°	1319.4	1315.7	1310.8	1213.4	1008.9	853.7	864.8	1008.9	1150.6	1169.1	1196.2
57.5°	1362.5	1368.7	1378.5	1310.8	1111.2	943.6	967.1	1151.8	1300.9	1318.2	1345.3
60°	1392.1	1401.9	1437.6	1408.1	1218.4	1043.4	1092.7	1283.7	1457.4	1477.1	1490.6
62.5°	1395.8	1411.8	1484.5	1490.6	1319.4	1148.1	1203.6	1424.1	1606.4	1610.1	1594.1
65°	1367.4	1379.7	1482.0	1541.1	1409.3	1250.4	1325.5	1568.2	1721.0	1729.6	1655.7
67.5°	1287.4	1305.8	1434.0	1552.2	1475.8	1335.4	1425.3	1663.1	1777.7	1783.8	1637.2
70°	1138.3	1171.6	1324.3	1488.2	1489.4	1382.2	1490.6	1703.7	1751.8	1744.4	1526.3
72.5°	958.4	967.1	1135.8	1355.1	1437.6	1381.0	1483.2	1654.5	1620.0	1606.4	1319.4
75°	701.0	724.4	882.1	1149.4	1314.5	1299.7	1395.8	1507.9	1389.6	1365.0	1075.5
77.5°	474.3	498.9	623.3	882.1	1106.3	1154.3	1235.6	1268.9	1118.6	1097.6	788.4
80°	298.1	315.4	402.8	616.0	867.3	942.4	1004.0	983.1	811.8	792.1	560.5
82.5°	166.3	174.9	246.4	401.6	611.0	717.0	765.0	713.3	559.3	537.1	363.4
85°	87.5	98.6	139.2	243.9	407.8	510.0	548.2	471.8	343.7	336.3	226.7
87.5°	48.0	53.0	80.1	146.6	252.5	346.2	363.4	296.9	213.1	203.3	144.1
90°	29.6	32.0	46.8	87.5	156.5	216.8	227.9	186.0	133.0	130.6	96.1
92.5°	19.7	20.9	32.0	56.7	98.6	139.2	146.6	115.8	87.5	85.0	69.0
95°	14.8	16.0	24.6	40.7	67.8	94.9	93.6	78.8	59.1	57.9	50.5
97.5°	12.3	13.6	20.9	32.0	49.3	64.1	64.1	51.7	43.1	43.1	39.4
100°	11.1	11.1	17.2	25.9	37.0	46.8	46.8	38.2	32.0	32.0	29.6
102.5°	9.9	9.9	14.8	22.2	29.6	37.0	35.7	29.6	24.6	24.6	23.4
105°	8.6	8.6	13.6	18.5	24.6	29.6	28.3	23.4	19.7	18.5	17.2
107.5°	7.4	7.4	11.1	16.0	22.2	24.6	23.4	19.7	14.8	14.8	13.6
110°	7.4	7.4	9.9	14.8	18.5	20.9	19.7	16.0	12.3	12.3	11.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	6.2	6.2	8.6	12.3	16.0	18.5	17.2	13.6	9.9	9.9	9.9
115°	6.2	6.2	7.4	11.1	13.6	16.0	14.8	11.1	8.6	8.6	8.6
117.5°	6.2	6.2	7.4	9.9	12.3	13.6	12.3	9.9	7.4	7.4	7.4
120°	4.9	4.9	6.2	8.6	11.1	12.3	11.1	8.6	6.2	6.2	7.4
122.5°	4.9	4.9	6.2	7.4	9.9	11.1	9.9	7.4	6.2	6.2	6.2
125°	4.9	4.9	6.2	7.4	8.6	9.9	8.6	6.2	6.2	6.2	6.2
127.5°	4.9	4.9	4.9	6.2	7.4	8.6	7.4	6.2	4.9	4.9	6.2
130°	4.9	4.9	4.9	6.2	7.4	7.4	6.2	4.9	4.9	4.9	6.2
132.5°	4.9	4.9	4.9	4.9	6.2	6.2	6.2	4.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	6.2	6.2	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	3.7	3.7	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9
140°	3.7	3.7	3.7	3.7	4.9	4.9	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	2.5	3.7	3.7	2.5	2.5	2.5	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	57.9	56.7	56.7	56.7	56.7	55.4	55.4	55.4	55.4	54.2	55.4
5°	61.6	61.6	60.4	57.9	57.9	56.7	56.7	55.4	55.4	54.2	54.2
7.5°	69.0	67.8	65.3	64.1	61.6	60.4	59.1	57.9	57.9	56.7	56.7
10°	78.8	77.6	73.9	71.5	69.0	66.5	65.3	64.1	62.8	61.6	61.6
12.5°	93.6	91.2	87.5	81.3	78.8	75.1	72.7	71.5	71.5	71.5	70.2
15°	114.6	110.9	104.7	97.3	89.9	85.0	83.8	83.8	83.8	85.0	85.0
17.5°	139.2	134.3	126.9	114.6	104.7	98.6	97.3	97.3	98.6	101.0	101.0
20°	170.0	163.8	152.8	136.7	122.0	113.3	110.9	113.3	118.3	119.5	119.5
22.5°	205.7	200.8	182.3	158.9	140.4	129.4	126.9	129.4	135.5	140.4	141.7
25°	248.8	241.5	215.6	184.8	158.9	145.4	141.7	147.8	156.5	163.8	163.8
27.5°	296.9	288.3	252.5	211.9	177.4	158.9	155.2	163.8	178.6	187.3	188.5
30°	348.6	335.1	288.3	237.8	193.4	171.2	168.8	181.1	198.3	209.4	210.7
32.5°	405.3	383.1	325.2	261.2	208.2	179.9	178.6	194.6	215.6	229.1	230.4
35°	458.3	433.6	358.5	278.4	218.0	186.0	186.0	204.5	229.1	242.7	243.9
37.5°	510.0	478.0	386.8	292.0	223.0	188.5	189.7	211.9	236.5	250.1	251.3
40°	566.7	526.0	411.5	298.1	224.2	189.7	192.2	215.6	237.8	251.3	251.3
42.5°	625.8	576.5	427.5	298.1	221.7	188.5	190.9	214.4	235.3	245.2	246.4
45°	694.8	630.7	438.6	293.2	216.8	184.8	188.5	211.9	227.9	232.8	234.1
47.5°	773.6	687.4	447.2	285.8	210.7	181.1	186.0	205.7	219.3	219.3	219.3
50°	873.4	751.5	454.6	273.5	203.3	177.4	182.3	200.8	208.2	205.7	205.7
52.5°	981.8	821.7	459.5	261.2	195.9	172.5	178.6	195.9	199.6	193.4	193.4
55°	1102.6	904.2	459.5	248.8	188.5	168.8	176.2	190.9	192.2	186.0	183.6
57.5°	1218.4	969.5	453.3	235.3	181.1	165.1	173.7	188.5	188.5	182.3	181.1
60°	1321.8	1029.9	443.5	223.0	176.2	162.6	173.7	187.3	187.3	182.3	182.3
62.5°	1395.8	1049.6	418.9	211.9	171.2	162.6	174.9	188.5	189.7	187.3	186.0
65°	1414.2	1039.7	390.5	199.6	166.3	161.4	177.4	192.2	193.4	192.2	192.2
67.5°	1362.5	967.1	347.4	189.7	162.6	161.4	178.6	194.6	195.9	195.9	195.9
70°	1228.2	858.6	308.0	178.6	158.9	160.1	181.1	197.1	197.1	197.1	197.1
72.5°	1038.5	720.7	267.3	168.8	152.8	157.7	181.1	195.9	195.9	194.6	194.6
75°	820.5	570.4	229.1	158.9	145.4	152.8	178.6	192.2	190.9	189.7	188.5
77.5°	607.3	423.8	192.2	145.4	136.7	146.6	171.2	183.6	182.3	181.1	178.6
80°	418.9	295.7	160.1	131.8	125.7	136.7	160.1	171.2	170.0	167.5	167.5
82.5°	272.3	203.3	129.4	115.8	113.3	125.7	147.8	156.5	154.0	151.5	150.3
85°	176.2	138.0	103.5	98.6	101.0	112.1	129.4	136.7	135.5	133.0	130.6
87.5°	115.8	98.6	81.3	81.3	86.2	98.6	110.9	114.6	113.3	113.3	110.9
90°	81.3	73.9	66.5	67.8	73.9	85.0	91.2	92.4	91.2	92.4	89.9
92.5°	60.4	56.7	54.2	56.7	62.8	71.5	75.1	72.7	73.9	73.9	72.7
95°	46.8	45.6	45.6	48.0	54.2	60.4	61.6	57.9	60.4	60.4	59.1
97.5°	37.0	37.0	38.2	40.7	45.6	50.5	50.5	48.0	49.3	49.3	49.3
100°	29.6	29.6	32.0	34.5	39.4	43.1	41.9	39.4	40.7	39.4	38.2
102.5°	23.4	24.6	27.1	29.6	33.3	35.7	35.7	33.3	33.3	32.0	32.0
105°	18.5	19.7	22.2	25.9	28.3	30.8	30.8	28.3	25.9	24.6	24.6
107.5°	14.8	16.0	18.5	20.9	24.6	25.9	25.9	23.4	20.9	18.5	18.5
110°	12.3	13.6	16.0	18.5	20.9	22.2	22.2	19.7	17.2	14.8	14.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.1	11.1	13.6	16.0	17.2	18.5	18.5	17.2	13.6	12.3	12.3
115°	8.6	9.9	11.1	13.6	14.8	16.0	16.0	13.6	11.1	9.9	9.9
117.5°	8.6	8.6	9.9	12.3	13.6	14.8	13.6	12.3	9.9	8.6	8.6
120°	7.4	8.6	9.9	9.9	12.3	12.3	12.3	9.9	8.6	8.6	8.6
122.5°	7.4	7.4	8.6	9.9	9.9	11.1	11.1	8.6	7.4	7.4	7.4
125°	6.2	7.4	7.4	8.6	9.9	9.9	9.9	7.4	7.4	7.4	7.4
127.5°	6.2	6.2	7.4	7.4	8.6	8.6	8.6	7.4	6.2	6.2	6.2
130°	6.2	6.2	6.2	6.2	7.4	7.4	7.4	6.2	6.2	6.2	6.2
132.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.9	6.2	6.2
135°	4.9	4.9	4.9	4.9	6.2	6.2	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
140°	4.9	4.9	4.9	3.7	4.9	4.9	3.7	3.7	3.7	4.9	4.9
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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)