

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: P695227

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3641 lumens
Efficiency: N/A
Efficacy: 90.6 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 - U2 - G1

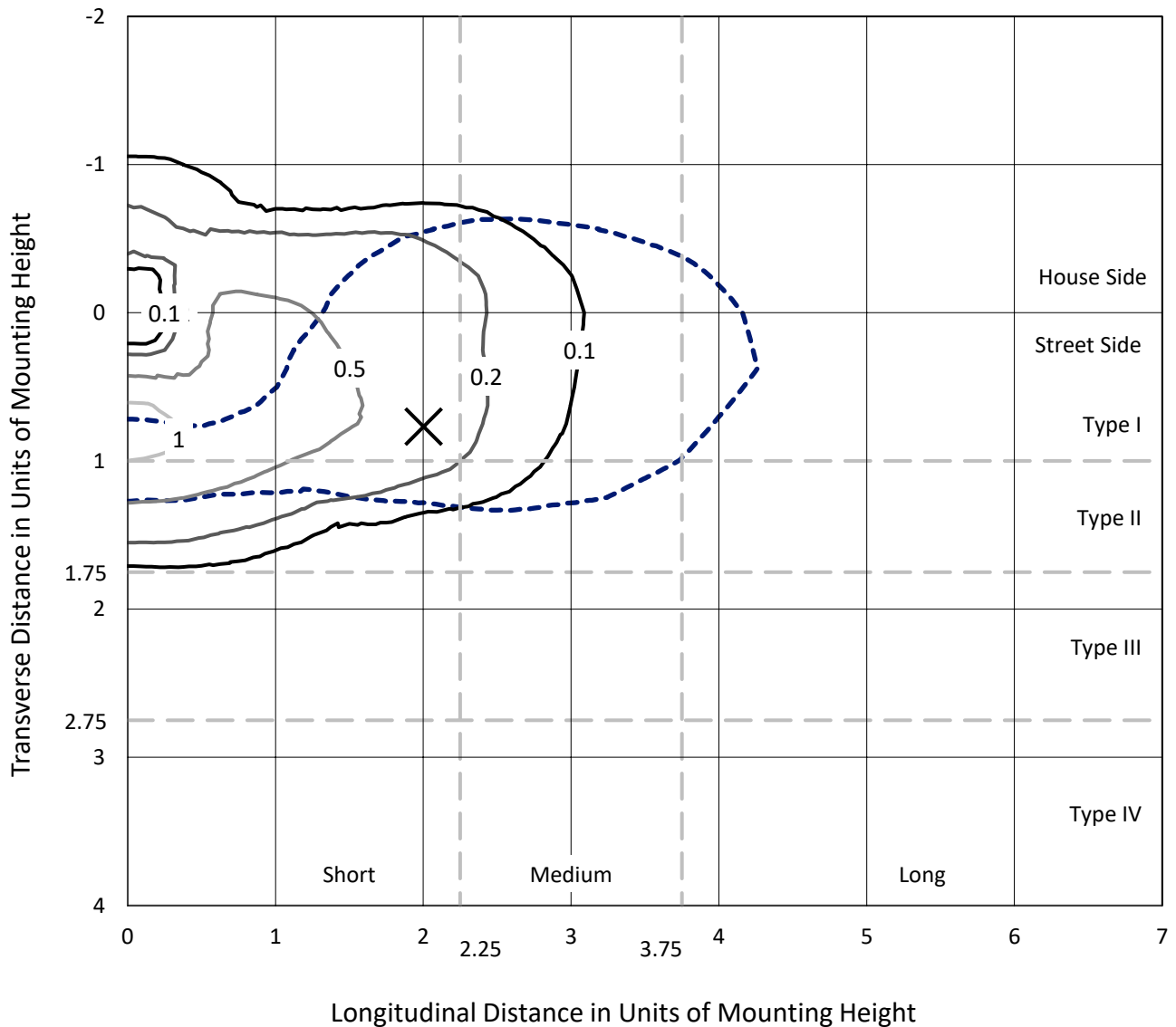
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

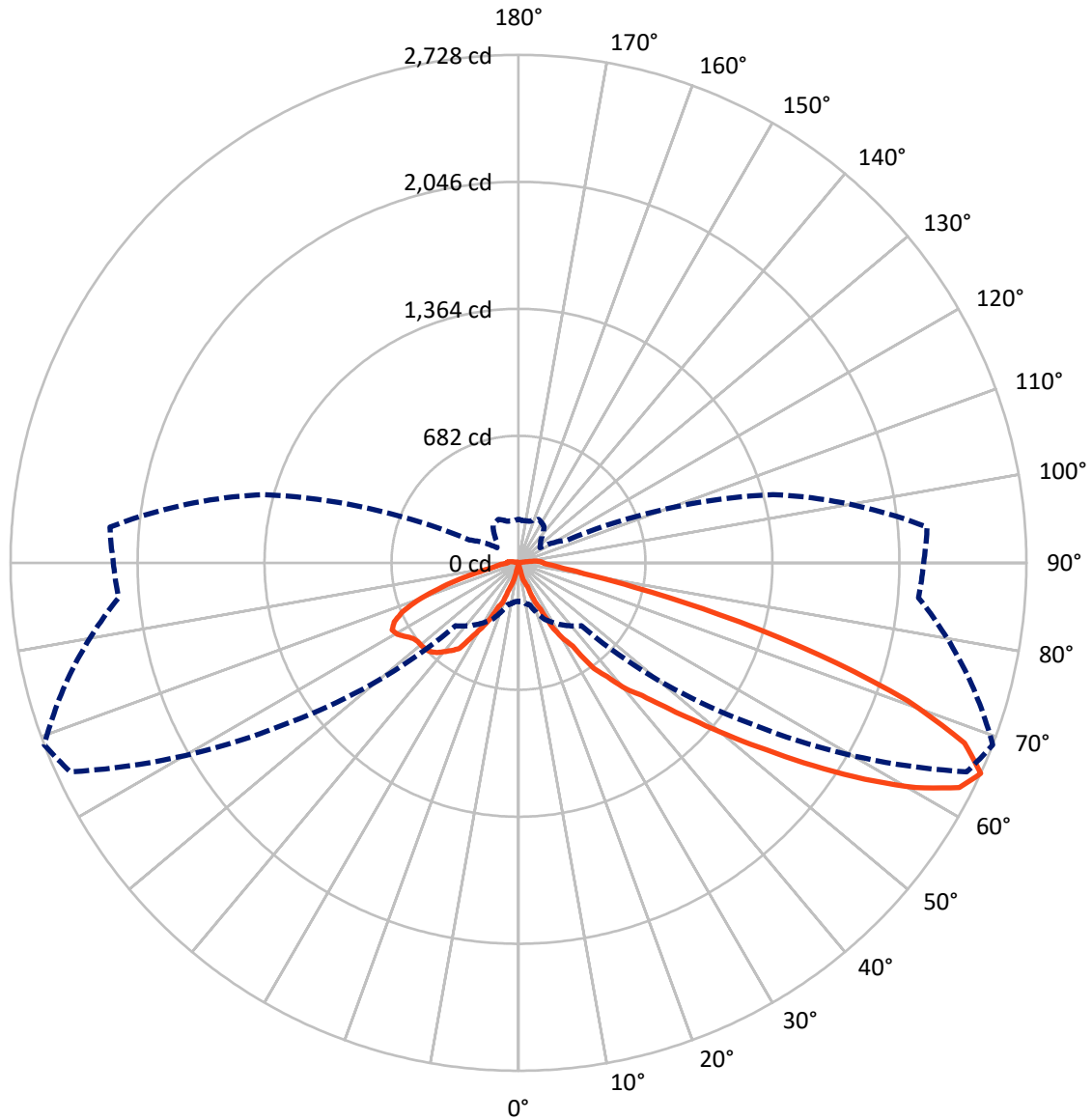
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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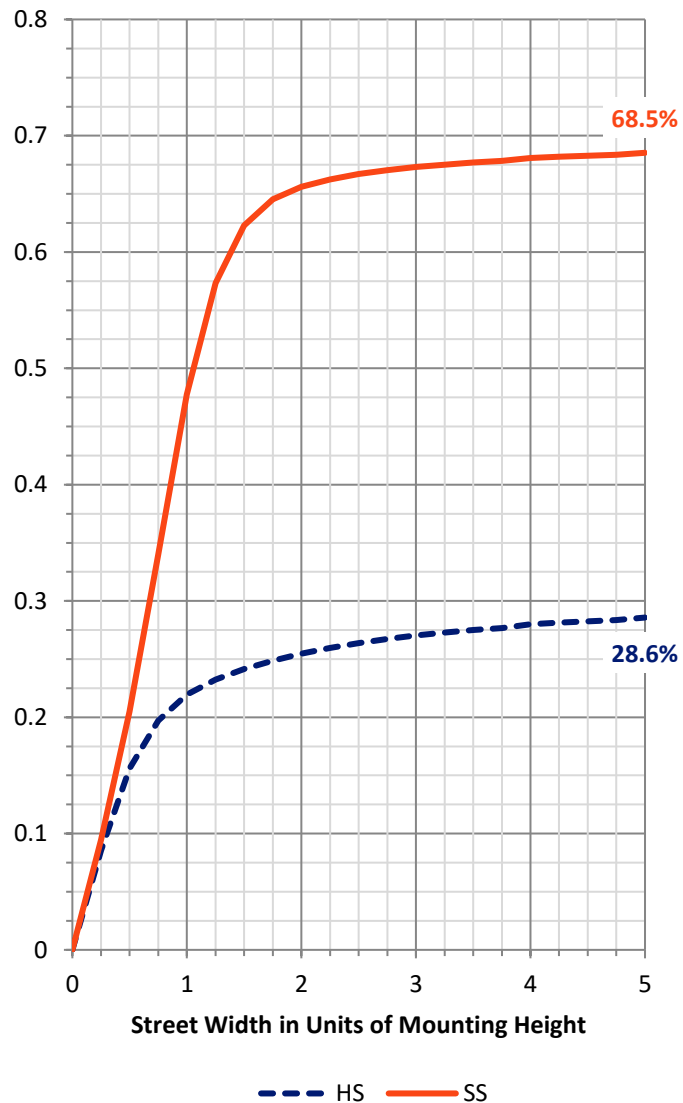
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1067.4	31.3	1098.7
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	2515.3	27.1	2542.4
	% Fixture	69.1	0.7	69.8
Total	Lumens	3582.7	58.3	3641.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	22.0	0.6
20°-30°	140.2	3.9
30°-40°	384.8	10.6
40°-50°	686.0	18.8
50°-60°	890.4	24.5
60°-70°	851.4	23.4
70°-80°	490.7	13.5
80°-90°	117.0	3.2
90°-100°	41.3	1.1
100°-110°	7.5	0.2
110°-120°	3.6	0.1
120°-130°	2.9	0.1
130°-140°	1.7	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3582.7	98.4
0°-180°	3641.0	100.0

Coefficient of Utilization

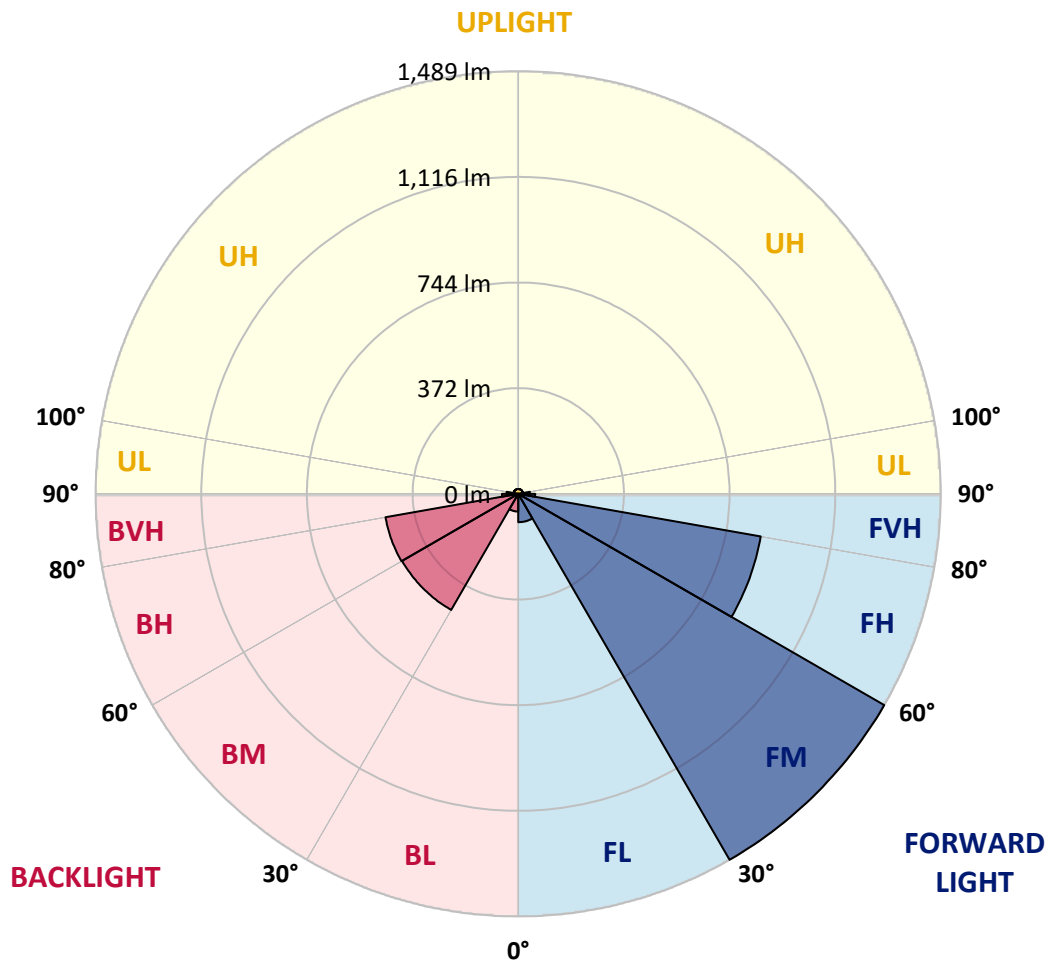


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.0	2.7			
FM (30°-60°)	1488.6	40.9			
FH (60°-80°)	867.2	23.8			G1/1800
FVH (80°-90°)	59.6	1.6			G1/100
BL (0°-30°)	62.5	1.7	B0/110		
BM (30°-60°)	472.5	13.0	B1/1000		
BH (60°-80°)	475.0	13.0	B1/500		G1/500
BVH (80°-90°)	57.4	1.6			G1/100
UL (90°-100°)	41.3	1.1		U2/50	
UH (100°-180°)	17.0	0.5		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2
5°	2.5	2.5	2.5	3.7	2.5	2.5	2.5	2.5	2.5	1.2	1.2
7.5°	4.9	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	1.2	1.2
10°	20.9	17.2	13.6	9.9	6.2	3.7	3.7	2.5	2.5	2.5	2.5
12.5°	91.2	87.5	86.2	81.3	27.1	9.9	6.2	9.9	12.3	17.2	20.9
15°	107.2	106.0	103.5	96.1	91.2	67.8	22.2	83.8	91.2	96.1	97.3
17.5°	195.9	178.6	138.0	119.5	106.0	97.3	92.4	107.2	109.7	112.1	115.8
20°	264.9	264.9	253.8	223.0	135.5	161.4	158.9	128.1	134.3	166.3	209.4
22.5°	331.4	327.7	306.8	283.4	278.4	193.4	184.8	224.2	227.9	248.9	248.9
25°	545.8	545.8	484.2	357.3	333.9	280.9	284.6	287.1	278.4	283.4	295.7
27.5°	648.1	639.4	616.0	544.6	414.0	390.6	337.6	336.4	400.4	414.0	422.6
30°	926.5	922.8	791.0	641.9	559.4	452.2	460.8	470.6	470.6	471.9	458.3
32.5°	1119.9	1124.9	1057.1	853.8	656.7	555.7	558.1	521.2	533.5	618.5	624.7
35°	1308.4	1318.3	1224.7	1038.6	847.7	688.7	624.7	670.2	696.1	694.9	678.9
37.5°	1499.4	1492.0	1409.5	1200.0	993.0	792.2	761.4	788.5	776.2	792.2	741.7
40°	1633.7	1632.5	1558.5	1370.0	1140.9	935.1	858.7	883.4	892.0	885.8	820.5
42.5°	1726.1	1717.5	1686.7	1545.0	1334.3	1124.9	986.9	1004.1	974.6	998.0	915.4
45°	1764.3	1753.2	1748.3	1641.1	1501.9	1414.4	1169.2	1134.7	1101.5	1148.3	1026.3
47.5°	1712.6	1697.8	1726.1	1692.8	1633.7	1617.7	1382.4	1262.9	1257.9	1293.7	1164.3
50°	1545.0	1519.1	1595.5	1654.6	1696.5	1758.1	1621.4	1467.4	1451.4	1453.8	1293.7
52.5°	1278.9	1280.1	1371.3	1478.5	1671.9	1782.8	1850.5	1724.9	1669.4	1642.3	1424.3
55°	1021.4	1030.0	1099.0	1193.9	1468.6	1758.1	2025.5	2015.6	1922.0	1824.7	1563.5
57.5°	734.3	752.8	858.7	924.0	1188.9	1585.7	2113.0	2274.4	2193.1	2013.2	1712.6
60°	420.1	442.3	558.1	706.0	910.5	1264.1	2069.9	2540.5	2451.8	2211.5	1861.6
62.5°	267.4	273.5	324.0	479.3	595.1	831.6	1887.5	2701.9	2657.5	2393.9	2023.0
65°	207.0	209.4	234.1	335.1	406.6	478.0	1484.6	2656.3	2727.8	2519.6	2156.1
67.5°	189.7	189.7	197.1	240.3	308.0	301.9	959.8	2379.1	2583.6	2536.8	2200.4
70°	177.4	179.9	188.5	194.7	242.7	227.9	516.2	1882.6	2217.7	2368.0	2185.7
72.5°	155.2	157.7	168.8	184.8	188.5	184.8	288.3	1251.8	1685.4	1988.5	2066.2
75°	131.8	133.1	140.5	166.3	165.1	149.1	239.0	747.9	1116.2	1458.8	1752.0
77.5°	108.4	112.1	120.7	134.3	150.3	118.3	213.1	439.8	637.0	917.9	1214.8
80°	80.1	82.5	91.2	110.9	120.7	102.3	176.2	285.8	357.3	475.6	585.2
82.5°	57.9	59.1	66.5	80.1	86.2	87.5	138.0	230.4	245.2	262.4	263.7
85°	35.7	34.5	35.7	41.9	53.0	56.7	99.8	183.6	184.8	178.6	176.2
87.5°	16.0	16.0	12.3	14.8	17.2	17.2	51.7	145.4	145.4	138.0	142.9
90°	17.2	17.2	12.3	12.3	13.6	12.3	29.6	123.2	130.6	130.6	144.2
92.5°	18.5	17.2	13.6	12.3	12.3	11.1	18.5	98.6	118.3	130.6	149.1
95°	17.2	17.2	12.3	11.1	11.1	9.9	14.8	67.8	94.9	106.0	126.9
97.5°	12.3	12.3	8.6	8.6	9.9	8.6	11.1	28.3	37.0	48.1	64.1
100°	8.6	8.6	6.2	6.2	6.2	6.2	7.4	12.3	14.8	12.3	14.8
102.5°	7.4	8.6	4.9	4.9	4.9	3.7	4.9	6.2	7.4	8.6	11.1
105°	7.4	7.4	3.7	3.7	3.7	3.7	2.5	4.9	4.9	6.2	11.1
107.5°	4.9	4.9	3.7	3.7	2.5	2.5	2.5	3.7	4.9	6.2	11.1
110°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	3.7	4.9	4.9	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7	6.2
115°	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7	6.2
117.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
120°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
122.5°	3.7	3.7	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
125°	3.7	3.7	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	4.9
127.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	4.9
130°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	4.9
132.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7
135°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
137.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
140°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	2.5	3.7	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	3.7	3.7	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.7	3.7	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
7.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
10°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
12.5°	19.7	18.5	16.0	8.6	3.7	2.5	2.5	2.5	3.7	4.9	4.9
15°	99.8	101.0	98.6	88.7	22.2	6.2	3.7	11.1	41.9	72.7	50.5
17.5°	115.8	117.0	114.6	112.1	102.3	45.6	29.6	97.3	101.0	108.4	106.0
20°	213.1	210.7	176.2	130.6	118.3	109.7	92.4	112.1	118.3	120.7	120.7
22.5°	247.6	246.4	241.5	227.9	140.5	163.9	146.6	123.2	202.1	211.9	210.7
25°	287.1	279.7	266.1	253.8	242.7	179.9	181.1	195.9	207.0	208.2	208.2
27.5°	411.5	401.6	379.5	315.4	284.6	224.2	226.7	200.8	202.1	242.7	250.1
30°	447.2	431.2	407.8	395.5	327.7	263.7	216.8	230.4	237.8	236.6	239.0
32.5°	596.3	572.9	491.6	442.3	361.0	255.0	226.7	223.0	223.0	242.7	245.2
35°	643.1	608.6	564.3	552.0	367.2	250.1	214.4	218.1	246.4	250.1	248.9
37.5°	698.6	650.5	606.2	576.6	384.4	231.6	203.3	219.3	227.9	227.9	226.7
40°	760.2	712.1	666.5	584.0	365.9	213.1	204.5	208.2	214.4	210.7	209.4
42.5°	850.1	786.1	745.4	584.0	319.1	202.1	199.6	199.6	204.5	200.8	199.6
45°	959.8	885.8	811.9	575.4	271.1	195.9	197.1	195.9	200.8	195.9	194.7
47.5°	1075.6	999.2	872.3	554.4	234.1	191.0	200.8	194.7	195.9	188.5	187.3
50°	1207.4	1124.9	935.1	517.5	213.1	191.0	199.6	195.9	192.2	184.8	183.6
52.5°	1340.5	1256.7	1009.1	471.9	198.4	187.3	200.8	199.6	194.7	183.6	183.6
55°	1477.2	1419.3	1094.1	432.5	182.3	186.0	207.0	207.0	197.1	182.3	181.1
57.5°	1623.8	1584.4	1187.7	417.7	167.6	178.6	216.8	219.3	200.8	181.1	181.1
60°	1795.1	1811.1	1287.5	400.4	157.7	172.5	221.8	230.4	205.8	181.1	181.1
62.5°	2008.2	2053.8	1381.1	361.0	149.1	163.9	226.7	242.7	220.5	202.1	203.3
65°	2175.8	2202.9	1414.4	289.5	140.5	167.6	239.0	257.5	230.4	227.9	234.1
67.5°	2268.2	2255.9	1363.9	220.5	130.6	165.1	235.3	267.4	241.5	247.6	251.3
70°	2265.7	2175.8	1196.3	170.0	122.0	162.6	239.0	263.7	247.6	264.9	276.0
72.5°	2108.0	1903.5	906.8	147.8	122.0	160.2	232.9	253.8	248.9	266.1	274.7
75°	1694.1	1446.4	622.2	129.4	115.8	152.8	221.8	236.6	226.7	241.5	246.4
77.5°	1122.4	951.1	347.4	117.0	114.6	140.5	202.1	209.4	198.4	208.2	211.9
80°	526.1	438.6	193.4	108.4	110.9	124.4	166.3	177.4	160.2	170.0	170.0
82.5°	241.5	223.0	146.6	98.6	99.8	94.9	129.4	146.6	130.6	135.5	130.6
85°	162.6	163.9	117.0	83.8	81.3	67.8	102.3	113.3	98.6	102.3	86.2
87.5°	141.7	145.4	93.6	54.2	46.8	41.9	66.5	69.0	50.5	41.9	40.7
90°	145.4	146.6	86.2	40.7	28.3	22.2	35.7	34.5	22.2	19.7	19.7
92.5°	150.3	150.3	87.5	43.1	28.3	20.9	32.0	25.9	19.7	17.2	17.2
95°	136.8	129.4	76.4	43.1	27.1	18.5	25.9	22.2	17.2	17.2	16.0
97.5°	83.8	76.4	56.7	43.1	22.2	16.0	19.7	17.2	12.3	11.1	11.1
100°	23.4	19.7	35.7	34.5	16.0	11.1	13.6	11.1	7.4	6.2	4.9
102.5°	11.1	11.1	18.5	22.2	8.6	6.2	7.4	7.4	6.2	6.2	4.9
105°	11.1	11.1	8.6	9.9	4.9	3.7	3.7	4.9	4.9	6.2	6.2
107.5°	11.1	12.3	7.4	4.9	4.9	3.7	2.5	3.7	4.9	6.2	7.4
110°	9.9	9.9	6.2	4.9	3.7	3.7	2.5	3.7	4.9	7.4	7.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.4	7.4	4.9	4.9	3.7	3.7	2.5	2.5	4.9	7.4	8.6
115°	6.2	6.2	4.9	3.7	2.5	2.5	2.5	2.5	4.9	8.6	9.9
117.5°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	2.5	4.9	9.9	9.9
120°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	3.7	6.2	9.9	11.1
122.5°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	3.7	6.2	9.9	11.1
125°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	3.7	6.2	9.9	9.9
127.5°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	8.6	9.9
130°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	8.6	8.6
132.5°	3.7	3.7	2.5	2.5	2.5	1.2	2.5	2.5	4.9	7.4	7.4
135°	2.5	2.5	2.5	1.2	1.2	1.2	2.5	2.5	3.7	4.9	6.2
137.5°	2.5	2.5	1.2	1.2	2.5	2.5	2.5	2.5	3.7	3.7	3.7
140°	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7	3.7
142.5°	1.2	1.2	1.2	1.2	2.5	1.2	2.5	2.5	2.5	3.7	3.7
145°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.7	3.7
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	3.7	3.7
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
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

(END OF REPORT)