

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: P694819

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694819
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-PA16-30-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA 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: 3269 lumens
Efficiency: N/A
Efficacy: 112.0 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 - G2

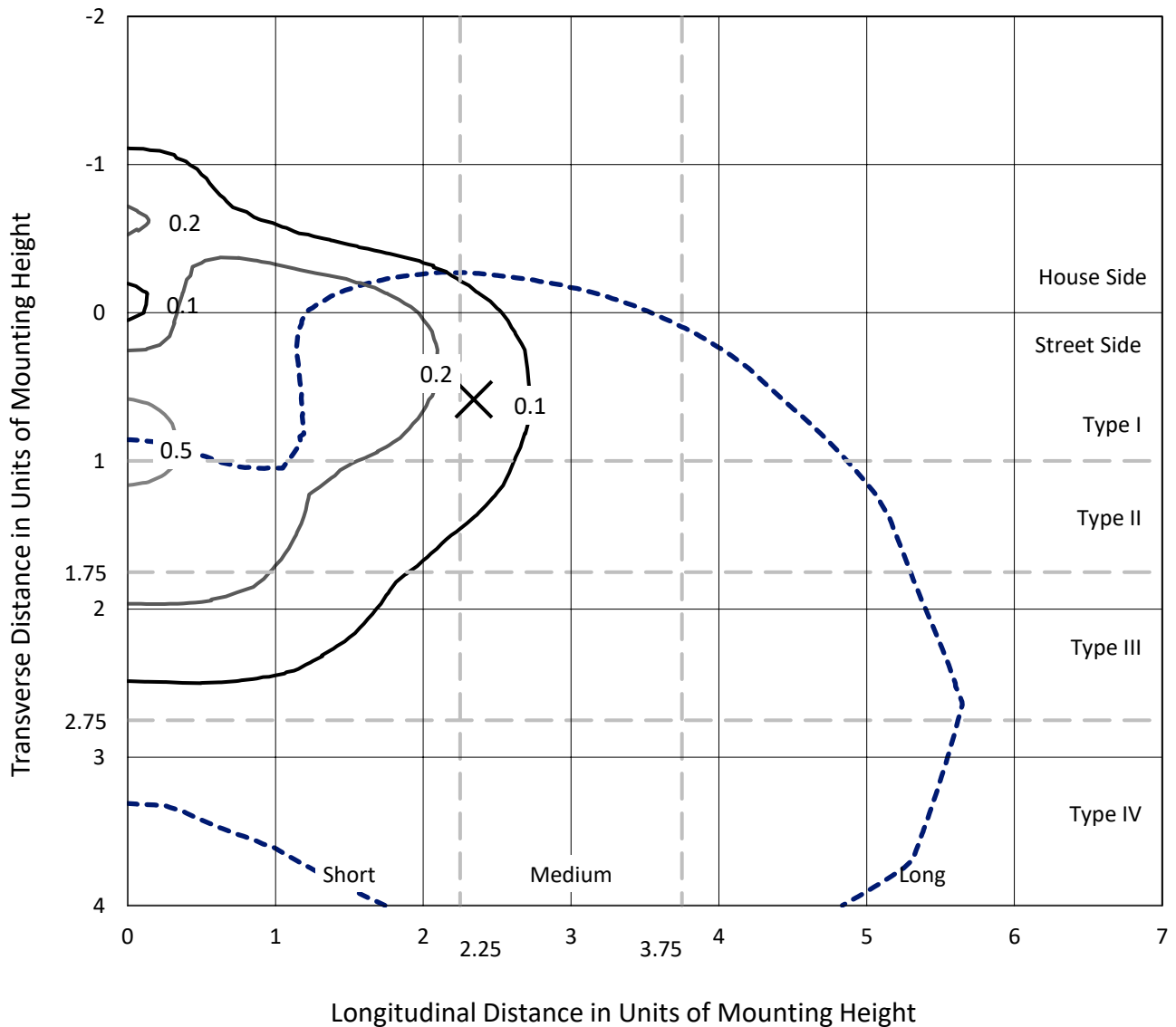
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

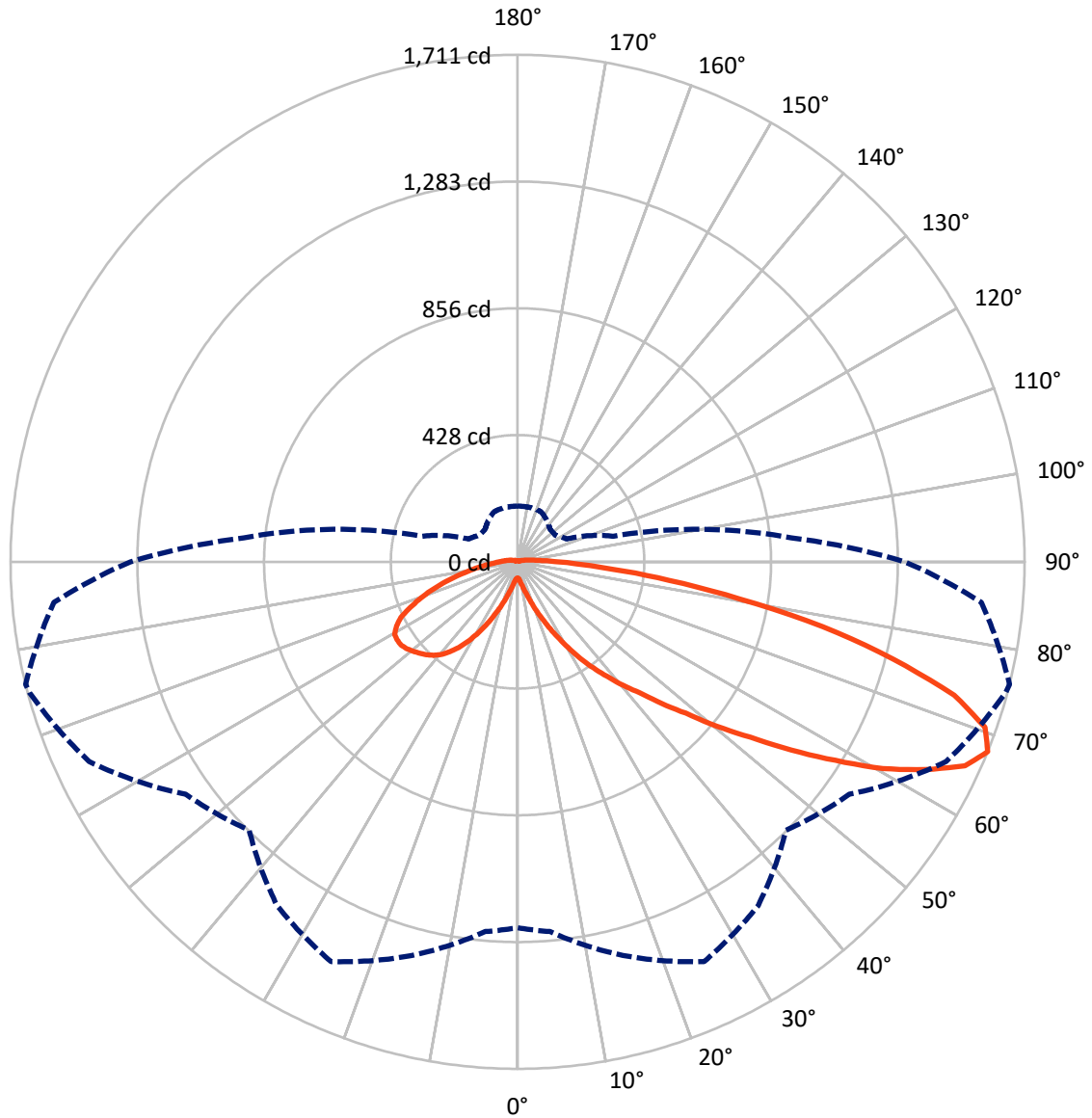
✕ Max cd
 - - - 1/2 Max cd



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

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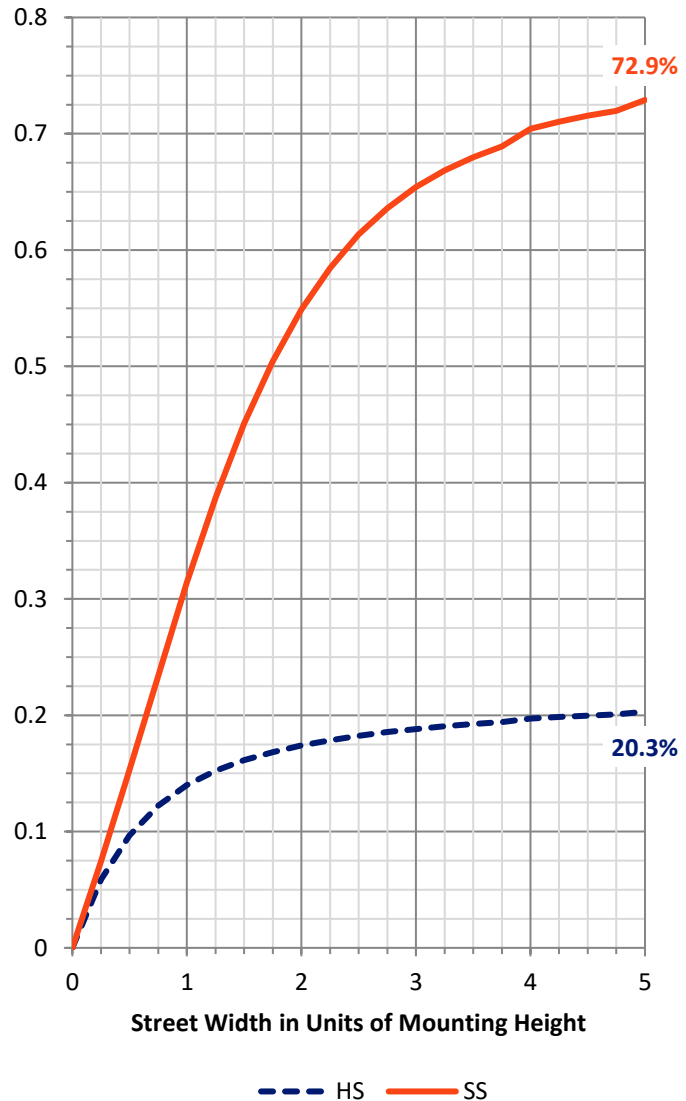
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.1	56.4	756.5
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	2455.4	57.1	2512.5
	% Fixture	75.1	1.7	76.9
Total	Lumens	3155.5	113.5	3269.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	32.3	1.0
20°-30°	102.0	3.1
30°-40°	227.4	7.0
40°-50°	390.3	11.9
50°-60°	608.8	18.6
60°-70°	833.6	25.5
70°-80°	698.6	21.4
80°-90°	256.3	7.8
90°-100°	64.6	2.0
100°-110°	24.6	0.8
110°-120°	11.8	0.4
120°-130°	6.6	0.2
130°-140°	3.9	0.1
140°-150°	2.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3155.5	96.5
0°-180°	3269.0	100.0

Coefficient of Utilization

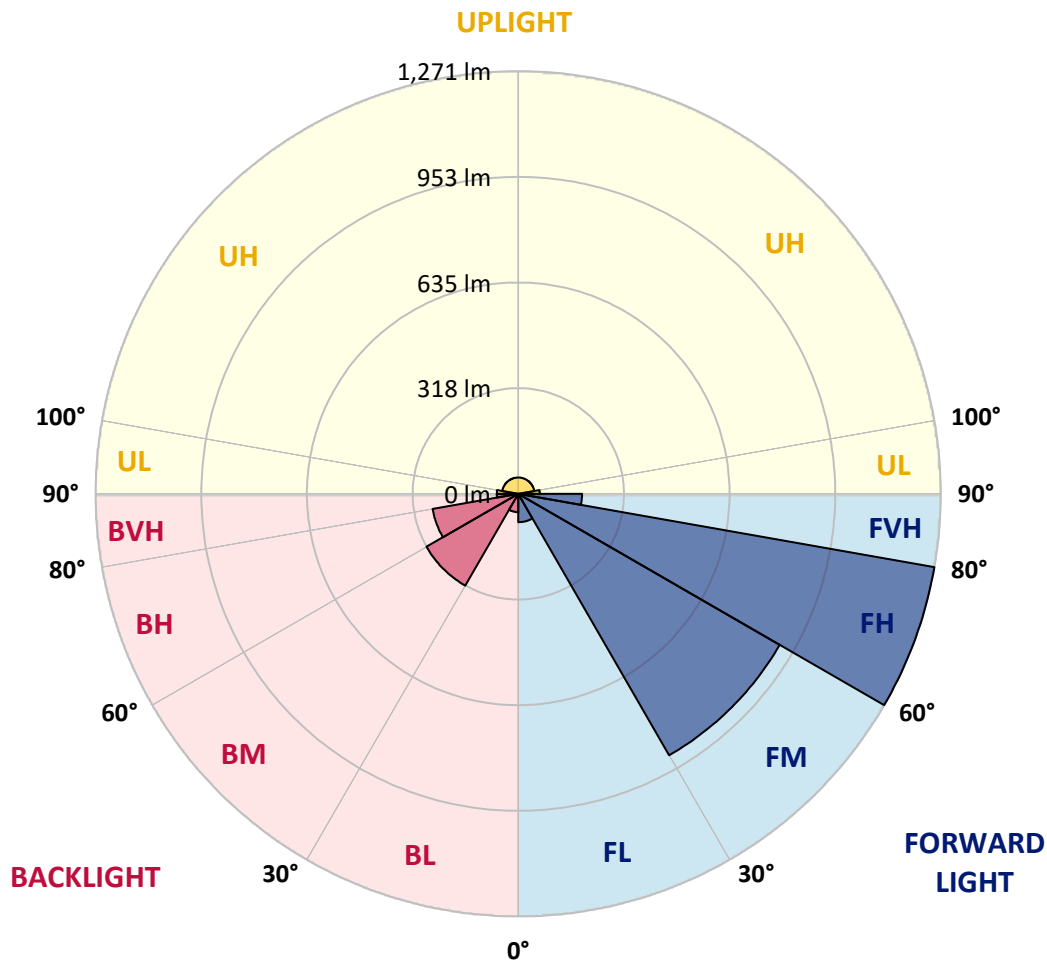


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.4	2.6			
FM (30°-60°)	907.7	27.8			
FH (60°-80°)	1270.7	38.9			G1/1800
FVH (80°-90°)	191.6	5.9			G2/225
BL (0°-30°)	55.1	1.7	B0/110		
BM (30°-60°)	318.8	9.8	B1/1000		
BH (60°-80°)	261.5	8.0	B1/500		G1/500
BVH (80°-90°)	64.7	2.0			G1/100
UL (90°-100°)	64.6	2.0		U3/500	
UH (100°-180°)	48.9	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°	75°	76°	85°
0°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
2.5°	57.9	57.9	57.9	57.9	59.1	57.9	57.9	56.7	56.7	55.5	55.5
5°	66.2	66.2	66.2	66.2	66.2	65.0	63.8	62.6	61.4	60.3	60.3
7.5°	78.0	78.0	78.0	76.8	75.6	74.4	73.3	70.9	68.5	68.5	66.2
10°	94.5	94.5	94.5	93.4	89.8	87.4	85.1	81.5	80.4	79.2	76.8
12.5°	117.0	117.0	114.6	112.3	107.5	104.0	100.4	96.9	95.7	94.5	91.0
15°	145.3	144.2	141.8	134.7	130.0	124.1	120.5	117.0	113.4	113.4	112.3
17.5°	179.6	178.4	172.5	163.1	156.0	146.5	141.8	139.4	139.4	138.3	135.9
20°	221.0	221.0	212.7	198.5	184.3	172.5	169.0	167.8	167.8	169.0	165.4
22.5°	274.1	273.0	261.1	237.5	217.4	202.1	198.5	198.5	202.1	202.1	200.9
25°	333.2	332.0	310.8	284.8	252.9	236.3	228.1	234.0	242.2	243.4	244.6
27.5°	405.3	400.6	375.8	335.6	294.2	268.2	262.3	271.8	288.3	287.1	289.5
30°	479.8	477.4	443.1	393.5	338.0	302.5	297.8	315.5	334.4	335.6	341.5
32.5°	567.2	554.2	522.3	456.1	382.9	339.1	332.0	358.0	386.4	388.8	394.7
35°	654.6	653.5	601.5	523.5	430.1	373.4	367.5	398.2	438.4	439.6	447.9
37.5°	743.3	738.5	688.9	589.7	482.1	412.4	402.9	443.1	488.0	490.4	502.2
40°	836.6	830.7	777.5	660.6	536.5	454.9	444.3	491.6	543.6	548.3	562.5
42.5°	918.2	917.0	866.2	738.5	589.7	496.3	489.2	540.0	601.5	603.8	625.1
45°	1008.0	992.6	945.3	816.5	655.8	547.1	540.0	602.7	672.4	681.8	699.5
47.5°	1078.9	1071.8	1028.1	901.6	723.2	602.7	595.6	670.0	755.1	763.4	778.7
50°	1150.9	1142.7	1103.7	982.0	796.4	667.6	666.5	755.1	859.1	872.1	888.6
52.5°	1210.0	1205.3	1181.7	1068.2	874.4	732.6	745.6	855.5	973.7	983.1	999.7
55°	1265.6	1262.0	1257.3	1163.9	967.8	818.9	829.5	967.8	1103.7	1121.4	1147.4
57.5°	1306.9	1312.8	1322.3	1257.3	1065.9	905.2	927.6	1104.9	1247.8	1264.4	1290.4
60°	1335.3	1344.7	1379.0	1350.6	1168.7	1000.9	1048.1	1231.3	1397.9	1416.8	1429.8
62.5°	1338.8	1354.2	1423.9	1429.8	1265.6	1101.3	1154.5	1366.0	1540.9	1544.4	1529.1
65°	1311.7	1323.5	1421.5	1478.3	1351.8	1199.4	1271.5	1504.3	1650.8	1659.1	1588.2
67.5°	1234.8	1252.6	1375.5	1488.9	1415.6	1280.9	1367.2	1595.3	1705.2	1711.1	1570.4
70°	1091.9	1123.8	1270.3	1427.5	1428.6	1325.8	1429.8	1634.3	1680.3	1673.2	1464.1
72.5°	919.3	927.6	1089.5	1299.8	1379.0	1324.7	1422.7	1587.0	1553.9	1540.9	1265.6
75°	672.4	694.8	846.1	1102.5	1260.8	1246.7	1338.8	1446.4	1332.9	1309.3	1031.6
77.5°	454.9	478.6	597.9	846.1	1061.1	1107.2	1185.2	1217.1	1073.0	1052.9	756.3
80°	286.0	302.5	386.4	590.8	831.9	904.0	963.1	943.0	778.7	759.8	537.7
82.5°	159.5	167.8	236.3	385.2	586.1	687.7	733.8	684.2	536.5	515.2	348.6
85°	83.9	94.5	133.5	234.0	391.1	489.2	525.8	452.6	329.7	322.6	217.4
87.5°	46.1	50.8	76.8	140.6	242.2	332.0	348.6	284.8	204.4	195.0	138.3
90°	28.4	30.7	44.9	83.9	150.1	208.0	218.6	178.4	127.6	125.3	92.2
92.5°	18.9	20.1	30.7	54.4	94.5	133.5	140.6	111.1	83.9	81.5	66.2
95°	14.2	15.4	23.6	39.0	65.0	91.0	89.8	75.6	56.7	55.5	48.4
97.5°	11.8	13.0	20.1	30.7	47.3	61.4	61.4	49.6	41.4	41.4	37.8
100°	10.6	10.6	16.5	24.8	35.5	44.9	44.9	36.6	30.7	30.7	28.4
102.5°	9.5	9.5	14.2	21.3	28.4	35.5	34.3	28.4	23.6	23.6	22.5
105°	8.3	8.3	13.0	17.7	23.6	28.4	27.2	22.5	18.9	17.7	16.5
107.5°	7.1	7.1	10.6	15.4	21.3	23.6	22.5	18.9	14.2	14.2	13.0
110°	7.1	7.1	9.5	14.2	17.7	20.1	18.9	15.4	11.8	11.8	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	5.9	5.9	8.3	11.8	15.4	17.7	16.5	13.0	9.5	9.5	9.5
115°	5.9	5.9	7.1	10.6	13.0	15.4	14.2	10.6	8.3	8.3	8.3
117.5°	5.9	5.9	7.1	9.5	11.8	13.0	11.8	9.5	7.1	7.1	7.1
120°	4.7	4.7	5.9	8.3	10.6	11.8	10.6	8.3	5.9	5.9	7.1
122.5°	4.7	4.7	5.9	7.1	9.5	10.6	9.5	7.1	5.9	5.9	5.9
125°	4.7	4.7	5.9	7.1	8.3	9.5	8.3	5.9	5.9	5.9	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	5.9
132.5°	4.7	4.7	4.7	4.7	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	4.7	4.7	4.7
137.5°	4.7	3.5	3.5	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7
140°	3.5	3.5	3.5	3.5	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	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	2.4	3.5	3.5	2.4	2.4	2.4	3.5	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	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
2.5°	55.5	54.4	54.4	54.4	54.4	53.2	53.2	53.2	53.2	52.0	53.2
5°	59.1	59.1	57.9	55.5	55.5	54.4	54.4	53.2	53.2	52.0	52.0
7.5°	66.2	65.0	62.6	61.4	59.1	57.9	56.7	55.5	55.5	54.4	54.4
10°	75.6	74.4	70.9	68.5	66.2	63.8	62.6	61.4	60.3	59.1	59.1
12.5°	89.8	87.4	83.9	78.0	75.6	72.1	69.7	68.5	68.5	68.5	67.4
15°	109.9	106.4	100.4	93.4	86.3	81.5	80.4	80.4	80.4	81.5	81.5
17.5°	133.5	128.8	121.7	109.9	100.4	94.5	93.4	93.4	94.5	96.9	96.9
20°	163.1	157.2	146.5	131.2	117.0	108.7	106.4	108.7	113.4	114.6	114.6
22.5°	197.3	192.6	174.9	152.4	134.7	124.1	121.7	124.1	130.0	134.7	135.9
25°	238.7	231.6	206.8	177.3	152.4	139.4	135.9	141.8	150.1	157.2	157.2
27.5°	284.8	276.5	242.2	203.2	170.2	152.4	148.9	157.2	171.3	179.6	180.8
30°	334.4	321.4	276.5	228.1	185.5	164.3	161.9	173.7	190.2	200.9	202.1
32.5°	388.8	367.5	312.0	250.5	199.7	172.5	171.3	186.7	206.8	219.8	221.0
35°	439.6	415.9	343.9	267.1	209.2	178.4	178.4	196.2	219.8	232.8	234.0
37.5°	489.2	458.5	371.0	280.1	213.9	180.8	182.0	203.2	226.9	239.9	241.1
40°	543.6	504.6	394.7	286.0	215.1	182.0	184.3	206.8	228.1	241.1	241.1
42.5°	600.3	553.0	410.0	286.0	212.7	180.8	183.2	205.6	225.7	235.2	236.3
45°	666.5	605.0	420.7	281.2	208.0	177.3	180.8	203.2	218.6	223.3	224.5
47.5°	742.1	659.4	428.9	274.1	202.1	173.7	178.4	197.3	210.3	210.3	210.3
50°	837.8	720.8	436.0	262.3	195.0	170.2	174.9	192.6	199.7	197.3	197.3
52.5°	941.8	788.2	440.8	250.5	187.9	165.4	171.3	187.9	191.4	185.5	185.5
55°	1057.6	867.3	440.8	238.7	180.8	161.9	169.0	183.2	184.3	178.4	176.1
57.5°	1168.7	930.0	434.9	225.7	173.7	158.3	166.6	180.8	180.8	174.9	173.7
60°	1267.9	987.9	425.4	213.9	169.0	156.0	166.6	179.6	179.6	174.9	174.9
62.5°	1338.8	1006.8	401.8	203.2	164.3	156.0	167.8	180.8	182.0	179.6	178.4
65°	1356.6	997.3	374.6	191.4	159.5	154.8	170.2	184.3	185.5	184.3	184.3
67.5°	1306.9	927.6	333.2	182.0	156.0	154.8	171.3	186.7	187.9	187.9	187.9
70°	1178.1	823.6	295.4	171.3	152.4	153.6	173.7	189.1	189.1	189.1	189.1
72.5°	996.1	691.3	256.4	161.9	146.5	151.3	173.7	187.9	187.9	186.7	186.7
75°	787.0	547.1	219.8	152.4	139.4	146.5	171.3	184.3	183.2	182.0	180.8
77.5°	582.6	406.5	184.3	139.4	131.2	140.6	164.3	176.1	174.9	173.7	171.3
80°	401.8	283.6	153.6	126.4	120.5	131.2	153.6	164.3	163.1	160.7	160.7
82.5°	261.1	195.0	124.1	111.1	108.7	120.5	141.8	150.1	147.7	145.3	144.2
85°	169.0	132.3	99.3	94.5	96.9	107.5	124.1	131.2	130.0	127.6	125.3
87.5°	111.1	94.5	78.0	78.0	82.7	94.5	106.4	109.9	108.7	108.7	106.4
90°	78.0	70.9	63.8	65.0	70.9	81.5	87.4	88.6	87.4	88.6	86.3
92.5°	57.9	54.4	52.0	54.4	60.3	68.5	72.1	69.7	70.9	70.9	69.7
95°	44.9	43.7	43.7	46.1	52.0	57.9	59.1	55.5	57.9	57.9	56.7
97.5°	35.5	35.5	36.6	39.0	43.7	48.4	48.4	46.1	47.3	47.3	47.3
100°	28.4	28.4	30.7	33.1	37.8	41.4	40.2	37.8	39.0	37.8	36.6
102.5°	22.5	23.6	26.0	28.4	31.9	34.3	34.3	31.9	31.9	30.7	30.7
105°	17.7	18.9	21.3	24.8	27.2	29.5	29.5	27.2	24.8	23.6	23.6
107.5°	14.2	15.4	17.7	20.1	23.6	24.8	24.8	22.5	20.1	17.7	17.7
110°	11.8	13.0	15.4	17.7	20.1	21.3	21.3	18.9	16.5	14.2	14.2

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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	16.5	17.7	17.7	16.5	13.0	11.8	11.8
115°	8.3	9.5	10.6	13.0	14.2	15.4	15.4	13.0	10.6	9.5	9.5
117.5°	8.3	8.3	9.5	11.8	13.0	14.2	13.0	11.8	9.5	8.3	8.3
120°	7.1	8.3	9.5	9.5	11.8	11.8	11.8	9.5	8.3	8.3	8.3
122.5°	7.1	7.1	8.3	9.5	9.5	10.6	10.6	8.3	7.1	7.1	7.1
125°	5.9	7.1	7.1	8.3	9.5	9.5	9.5	7.1	7.1	7.1	7.1
127.5°	5.9	5.9	7.1	7.1	8.3	8.3	8.3	7.1	5.9	5.9	5.9
130°	5.9	5.9	5.9	5.9	7.1	7.1	7.1	5.9	5.9	5.9	5.9
132.5°	5.9	5.9	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	5.9	5.9	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°	4.7	4.7	4.7	3.5	4.7	4.7	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	3.5	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	2.4	3.5	2.4
150°	2.4	2.4	2.4	2.4	2.4	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)