

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: P694787

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3132.1 lumens
Efficiency: N/A
Efficacy: 107.3 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

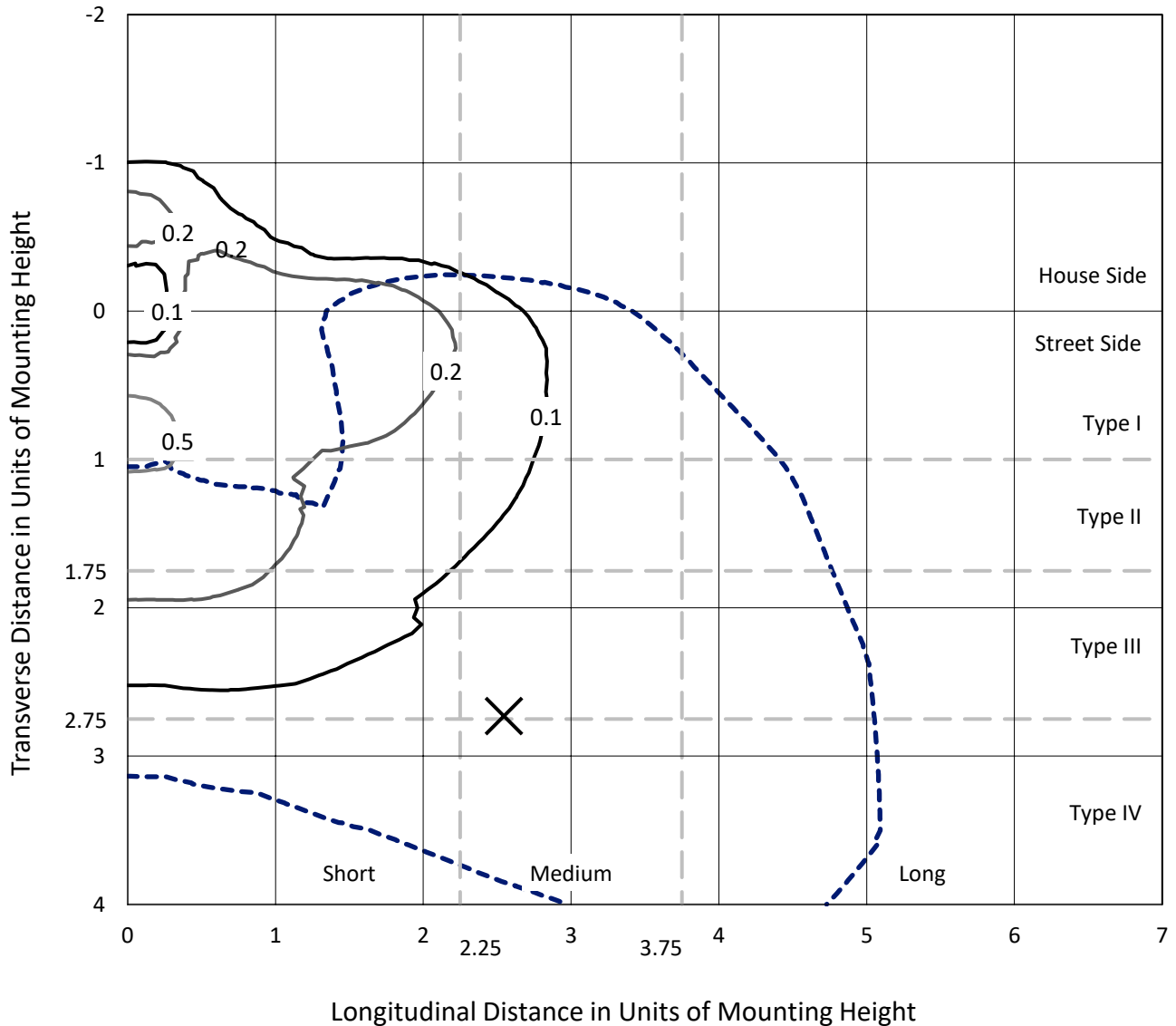
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

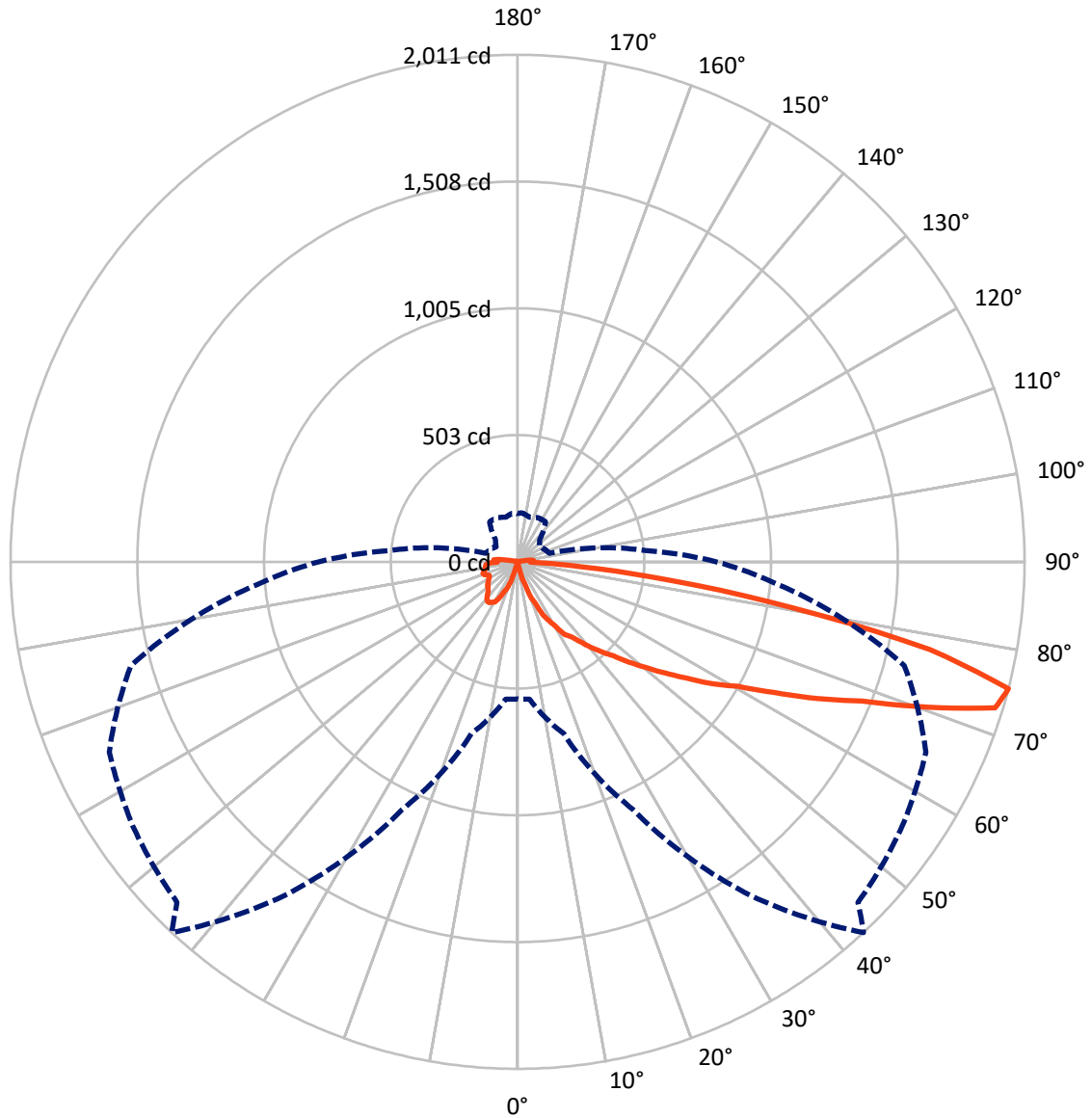
× Max cd
 - - - 1/2 Max cd



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 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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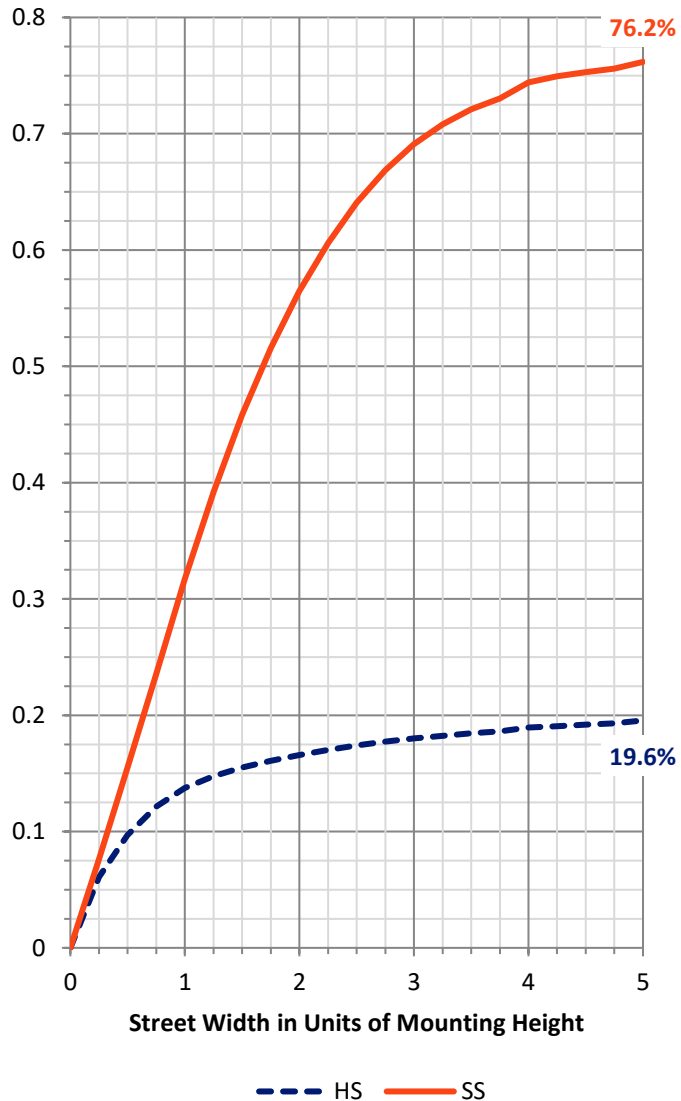
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.6	44.0	696.5
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	2403.6	31.9	2435.5
	% Fixture	76.7	1.0	77.8
Total	Lumens	3056.2	75.9	3132.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	18.6	0.6
20°-30°	101.8	3.2
30°-40°	238.2	7.6
40°-50°	360.8	11.5
50°-60°	561.1	17.9
60°-70°	845.3	27.0
70°-80°	760.7	24.3
80°-90°	169.5	5.4
90°-100°	58.3	1.9
100°-110°	9.6	0.3
110°-120°	3.1	0.1
120°-130°	2.3	0.1
130°-140°	1.4	0.0
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3056.2	97.6
0°-180°	3132.1	100.0

Coefficient of Utilization

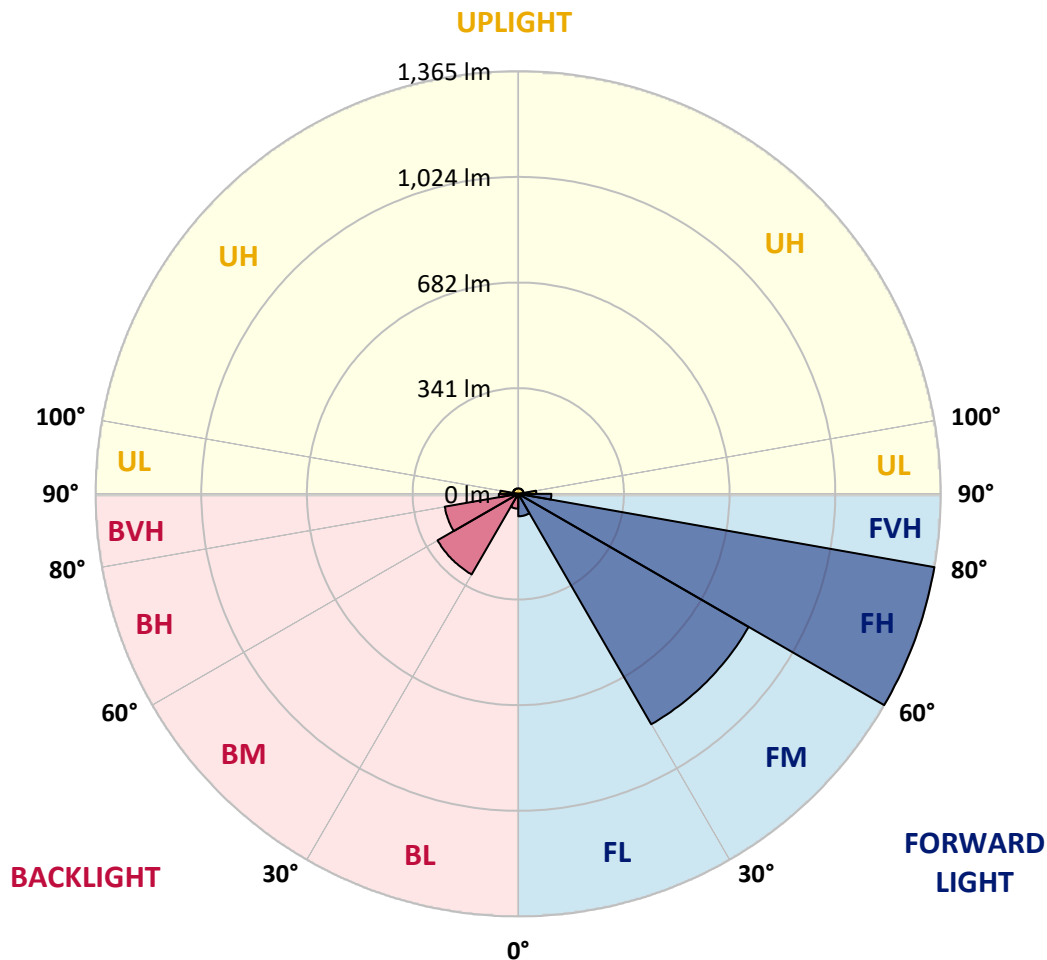


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.6	2.3			
FM (30°-60°)	859.3	27.4			
FH (60°-80°)	1364.9	43.6			G1/1800
FVH (80°-90°)	106.8	3.4			G2/225
BL (0°-30°)	48.0	1.5	B0/110		
BM (30°-60°)	300.8	9.6	B1/1000		
BH (60°-80°)	241.0	7.7	B1/500		G1/500
BVH (80°-90°)	62.7	2.0			G1/100
UL (90°-100°)	58.3	1.9		U3/500	
UH (100°-180°)	17.6	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	3.3	3.3	2.2	2.2	3.3	2.2	2.2	2.2	2.2	2.2	2.2
10°	21.8	21.8	19.6	12.0	5.4	3.3	3.3	3.3	2.2	3.3	3.3
12.5°	90.3	90.3	83.8	78.3	23.9	14.1	9.8	5.4	9.8	14.1	18.5
15°	107.7	107.7	103.4	93.6	87.0	68.5	44.6	26.1	70.7	75.1	74.0
17.5°	195.8	168.6	133.8	116.4	97.9	89.2	100.1	81.6	89.2	91.4	90.3
20°	229.6	225.2	215.4	204.5	124.0	151.2	140.4	139.3	108.8	140.4	165.4
22.5°	248.1	248.1	231.7	217.6	220.9	174.1	164.3	157.8	181.7	198.0	196.9
25°	344.9	344.9	330.8	240.4	232.8	231.7	214.3	227.4	228.5	227.4	229.6
27.5°	365.6	362.3	349.2	319.9	258.9	264.4	268.7	253.5	281.8	329.7	326.4
30°	522.2	503.7	409.1	343.8	323.1	295.9	286.1	307.9	337.3	349.2	351.4
32.5°	606.0	599.5	556.0	458.0	358.0	344.9	326.4	343.8	350.3	429.8	462.4
35°	699.6	687.6	649.5	517.9	433.0	363.4	355.8	346.0	414.5	450.4	482.0
37.5°	770.3	769.2	735.5	589.7	480.9	400.4	375.4	385.2	428.7	472.2	501.6
40°	831.2	826.9	811.6	656.1	521.2	443.9	400.4	408.0	449.3	492.9	526.6
42.5°	895.4	892.2	893.2	711.6	572.3	487.4	435.2	429.8	474.4	526.6	564.7
45°	969.4	967.2	964.0	794.2	630.0	532.0	479.8	464.6	524.4	569.0	614.7
47.5°	1001.0	996.6	1019.5	865.0	694.1	594.0	528.8	510.3	579.9	632.1	695.2
50°	1041.2	1036.9	1051.0	936.8	770.3	659.3	594.0	565.8	647.4	719.2	800.8
52.5°	1117.4	1156.5	1101.1	1015.1	875.8	732.2	659.3	637.6	737.7	835.6	973.8
55°	1208.8	1200.1	1170.7	1105.4	972.7	814.9	731.1	719.2	858.4	982.5	1152.2
57.5°	1226.2	1216.4	1240.3	1197.9	1084.7	912.8	813.8	819.3	980.3	1135.9	1352.4
60°	1266.4	1259.9	1304.5	1327.4	1200.1	1003.1	899.8	952.0	1105.4	1292.5	1546.0
62.5°	1308.9	1316.5	1382.8	1416.6	1277.3	1140.2	1017.3	1103.2	1296.9	1462.3	1717.9
65°	1302.3	1313.2	1450.3	1467.7	1372.0	1306.7	1163.1	1275.1	1473.1	1637.4	1843.1
67.5°	1269.7	1280.6	1466.6	1537.3	1501.4	1472.1	1329.5	1461.2	1636.3	1756.0	1882.2
70°	1202.2	1203.3	1387.2	1592.8	1660.3	1726.7	1558.0	1644.0	1796.3	1859.4	1785.4
72.5°	972.7	980.3	1153.3	1484.0	1776.7	1980.2	1817.0	1814.8	1882.2	1828.9	1468.8
75°	544.0	546.2	705.0	1084.7	1617.9	2010.6	1909.4	1853.9	1786.5	1587.4	1037.9
77.5°	165.4	185.0	247.0	551.6	1132.6	1671.2	1644.0	1630.9	1493.8	1119.5	564.7
80°	83.8	87.0	111.0	190.4	585.3	1106.5	1130.4	1170.7	931.3	483.1	262.2
82.5°	47.9	50.0	67.5	101.2	249.2	618.0	678.9	639.7	400.4	227.4	181.7
85°	23.9	23.9	31.6	46.8	116.4	244.8	284.0	229.6	173.0	150.1	146.9
87.5°	13.1	13.1	10.9	14.1	35.9	54.4	63.1	86.0	92.5	94.7	125.1
90°	14.1	14.1	10.9	12.0	26.1	49.0	69.6	83.8	86.0	90.3	127.3
92.5°	14.1	14.1	10.9	10.9	23.9	57.7	79.4	91.4	89.2	96.8	130.6
95°	14.1	13.1	9.8	10.9	20.7	62.0	75.1	96.8	86.0	87.0	108.8
97.5°	8.7	8.7	6.5	8.7	15.2	47.9	52.2	69.6	58.8	39.2	51.1
100°	6.5	6.5	4.4	6.5	8.7	22.8	21.8	33.7	26.1	8.7	13.1
102.5°	6.5	7.6	4.4	4.4	5.4	6.5	7.6	10.9	10.9	6.5	8.7
105°	7.6	7.6	3.3	3.3	3.3	3.3	4.4	4.4	4.4	5.4	8.7
107.5°	6.5	6.5	3.3	2.2	2.2	3.3	3.3	2.2	3.3	4.4	9.8
110°	4.4	4.4	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.4	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.2	3.3	1.1	2.2	1.1	2.2	2.2	2.2	2.2	3.3	4.4
115°	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.3	4.4
117.5°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	5.4
120°	3.3	3.3	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	4.4
122.5°	3.3	3.3	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	4.4
125°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4
127.5°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	4.4
130°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.4
132.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
142.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
145°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2
150°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2	2.2
10°	3.3	3.3	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2
12.5°	19.6	18.5	13.1	7.6	3.3	2.2	2.2	2.2	3.3	4.4	4.4
15°	75.1	72.9	70.7	64.2	18.5	4.4	3.3	9.8	38.1	53.3	62.0
17.5°	88.1	87.0	84.9	80.5	74.0	25.0	32.6	69.6	82.7	84.9	87.0
20°	162.1	158.8	122.9	92.5	84.9	89.2	78.3	87.0	91.4	94.7	97.9
22.5°	192.6	189.3	179.5	164.3	101.2	117.5	113.2	100.1	152.3	164.3	166.5
25°	225.2	219.8	199.1	182.8	168.6	130.6	140.4	158.8	171.9	180.6	180.6
27.5°	321.0	310.1	284.0	201.3	187.1	159.9	171.9	168.6	190.4	233.9	237.2
30°	347.1	335.1	298.1	249.2	199.1	185.0	177.3	217.6	245.9	255.7	258.9
32.5°	462.4	451.5	386.2	256.8	218.7	185.0	205.6	226.3	245.9	291.6	295.9
35°	485.2	467.8	400.4	295.9	217.6	193.7	206.7	230.7	285.1	305.7	310.1
37.5°	508.1	490.7	399.3	284.0	231.7	196.9	202.4	236.1	265.5	279.6	282.9
40°	539.6	513.5	391.7	264.4	220.9	189.3	200.2	222.0	239.4	243.7	247.0
42.5°	581.0	545.1	383.0	244.8	204.5	177.3	187.1	203.5	214.3	207.8	207.8
45°	638.7	583.2	366.7	225.2	189.3	164.3	176.3	188.2	193.7	181.7	178.4
47.5°	710.5	628.9	349.2	206.7	179.5	156.7	169.7	179.5	179.5	163.2	161.0
50°	797.5	685.4	326.4	191.5	168.6	152.3	163.2	171.9	166.5	150.1	149.1
52.5°	930.2	771.4	304.6	178.4	158.8	148.0	162.1	161.0	153.4	139.3	138.2
55°	1094.5	883.5	285.1	168.6	152.3	140.4	158.8	154.5	145.8	132.7	132.7
57.5°	1257.7	1006.4	264.4	162.1	144.7	133.8	153.4	151.2	141.4	128.4	127.3
60°	1417.7	1119.5	233.9	156.7	134.9	127.3	146.9	152.3	139.3	126.2	126.2
62.5°	1547.1	1173.9	200.2	148.0	125.1	122.9	143.6	156.7	150.1	144.7	144.7
65°	1589.6	1141.3	174.1	141.4	118.6	119.7	144.7	173.0	175.2	181.7	182.8
67.5°	1560.2	1048.8	156.7	136.0	114.2	125.1	165.4	194.8	189.3	193.7	195.8
70°	1432.9	912.8	146.9	129.5	114.2	133.8	181.7	194.8	187.1	200.2	201.3
72.5°	1163.1	738.8	138.2	124.0	109.9	132.7	191.5	192.6	187.1	202.4	200.2
75°	788.8	509.2	130.6	117.5	104.4	122.9	193.7	192.6	182.8	194.8	191.5
77.5°	398.2	258.9	120.8	109.9	96.8	117.5	191.5	193.7	180.6	190.4	187.1
80°	202.4	166.5	107.7	101.2	88.1	115.3	187.1	191.5	173.0	181.7	180.6
82.5°	155.6	130.6	90.3	88.1	80.5	113.2	180.6	185.0	164.3	170.8	166.5
85°	127.3	103.4	66.4	68.5	72.9	114.2	179.5	182.8	158.8	155.6	153.4
87.5°	107.7	79.4	32.6	34.8	53.3	102.3	153.4	151.2	124.0	122.9	125.1
90°	107.7	72.9	21.8	21.8	43.5	72.9	101.2	91.4	86.0	91.4	90.3
92.5°	106.6	66.4	22.8	22.8	49.0	80.5	114.2	94.7	88.1	90.3	89.2
95°	88.1	54.4	26.1	25.0	42.4	89.2	118.6	96.8	90.3	87.0	87.0
97.5°	44.6	30.5	25.0	25.0	33.7	72.9	94.7	76.2	57.7	47.9	51.1
100°	10.9	12.0	23.9	23.9	20.7	37.0	52.2	46.8	23.9	12.0	10.9
102.5°	8.7	7.6	18.5	20.7	13.1	13.1	23.9	27.2	18.5	5.4	5.4
105°	8.7	7.6	8.7	10.9	6.5	5.4	8.7	15.2	8.7	5.4	5.4
107.5°	9.8	8.7	4.4	4.4	4.4	4.4	4.4	5.4	4.4	5.4	5.4
110°	8.7	7.6	4.4	4.4	3.3	4.4	3.3	4.4	4.4	5.4	5.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.4	5.4	3.3	3.3	3.3	3.3	3.3	3.3	4.4	5.4	5.4
115°	5.4	5.4	3.3	3.3	2.2	3.3	3.3	3.3	4.4	6.5	6.5
117.5°	5.4	4.4	3.3	2.2	2.2	2.2	2.2	3.3	4.4	6.5	6.5
120°	5.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	6.5	6.5
122.5°	5.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	6.5	6.5
125°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	3.3	6.5	6.5
127.5°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	3.3	5.4	6.5
130°	4.4	4.4	2.2	2.2	1.1	1.1	2.2	2.2	3.3	5.4	5.4
132.5°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	3.3	5.4	5.4
135°	3.3	2.2	2.2	1.1	1.1	1.1	1.1	2.2	3.3	4.4	4.4
137.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
140°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
142.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
145°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
147.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
150°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
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)