

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: P254580

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2396.8 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

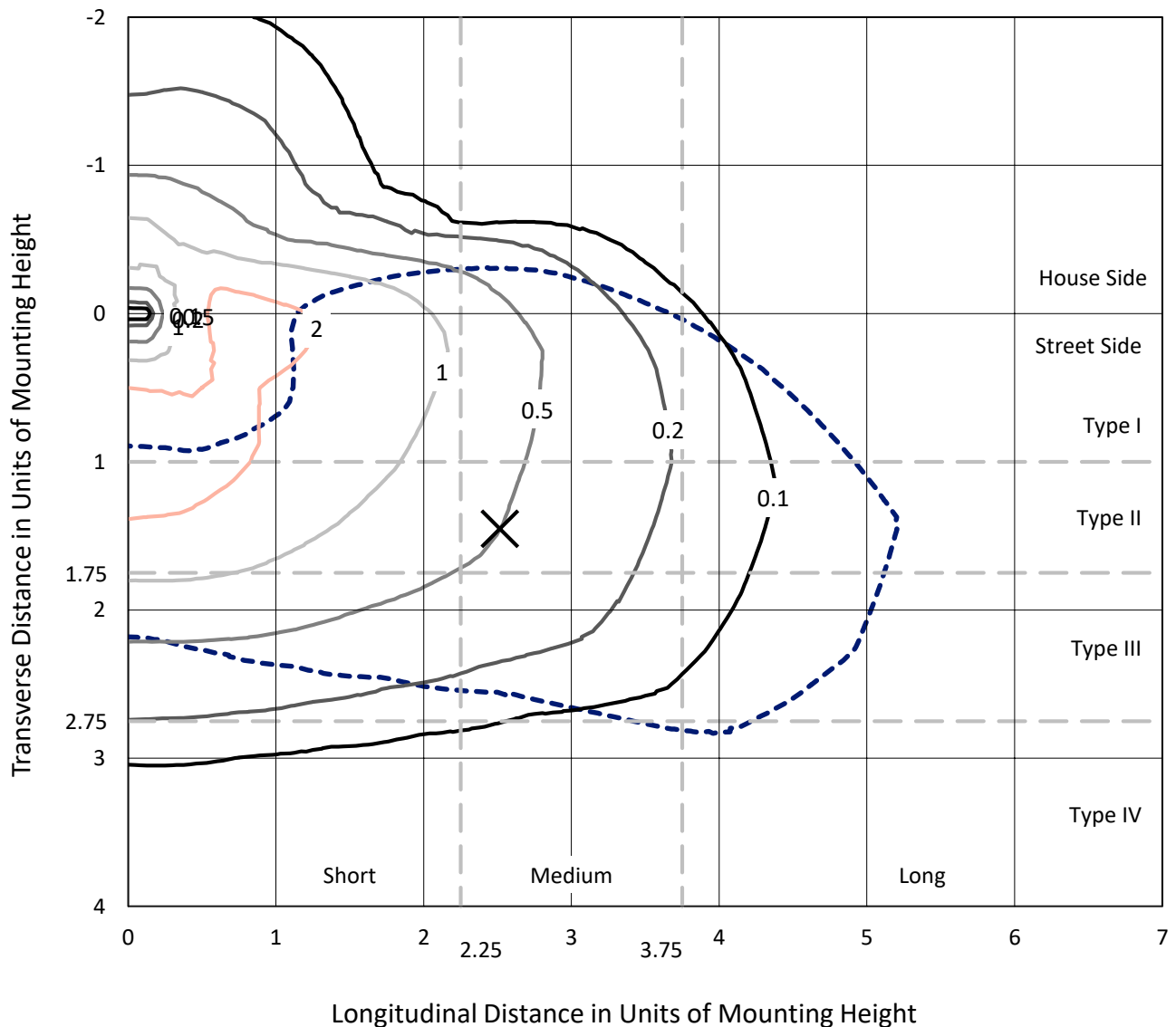
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

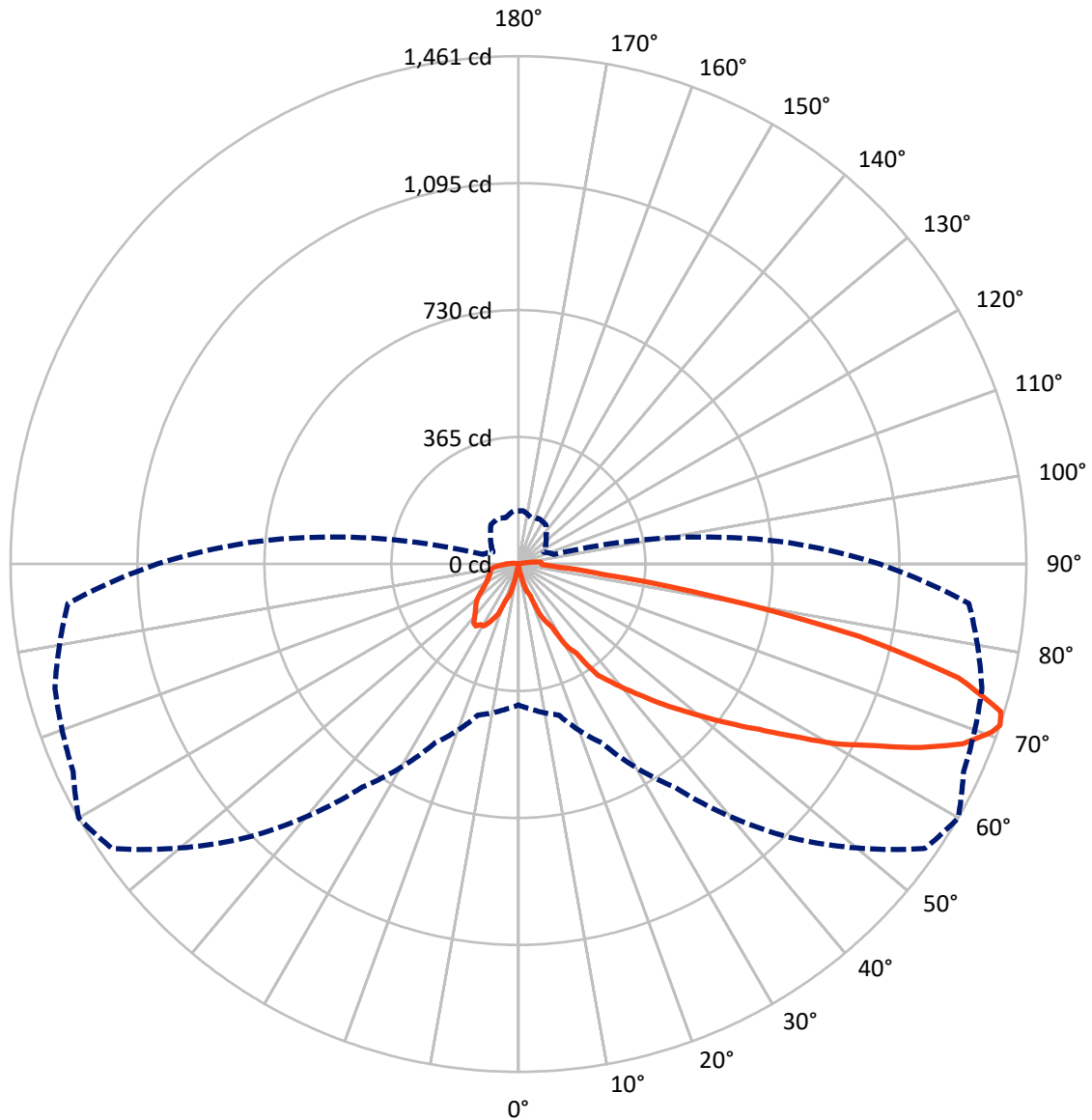


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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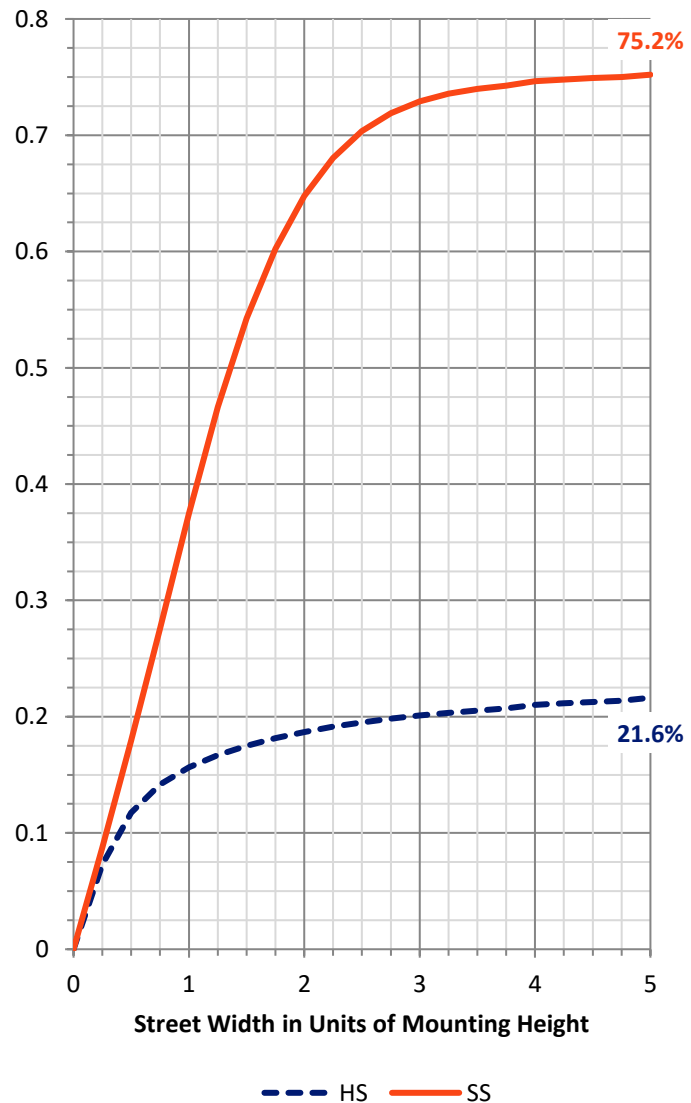
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.5	17.7	562.2
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	1817.4	17.2	1834.6
	% Fixture	75.8	0.7	76.5
Total	Lumens	2361.9	34.9	2396.8
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	21.5	0.9
20°-30°	88.4	3.7
30°-40°	198.7	8.3
40°-50°	345.0	14.4
50°-60°	522.7	21.8
60°-70°	644.2	26.9
70°-80°	439.0	18.3
80°-90°	101.0	4.2
90°-100°	30.9	1.3
100°-110°	2.9	0.1
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2361.9	98.5
0°-180°	2396.8	100.0



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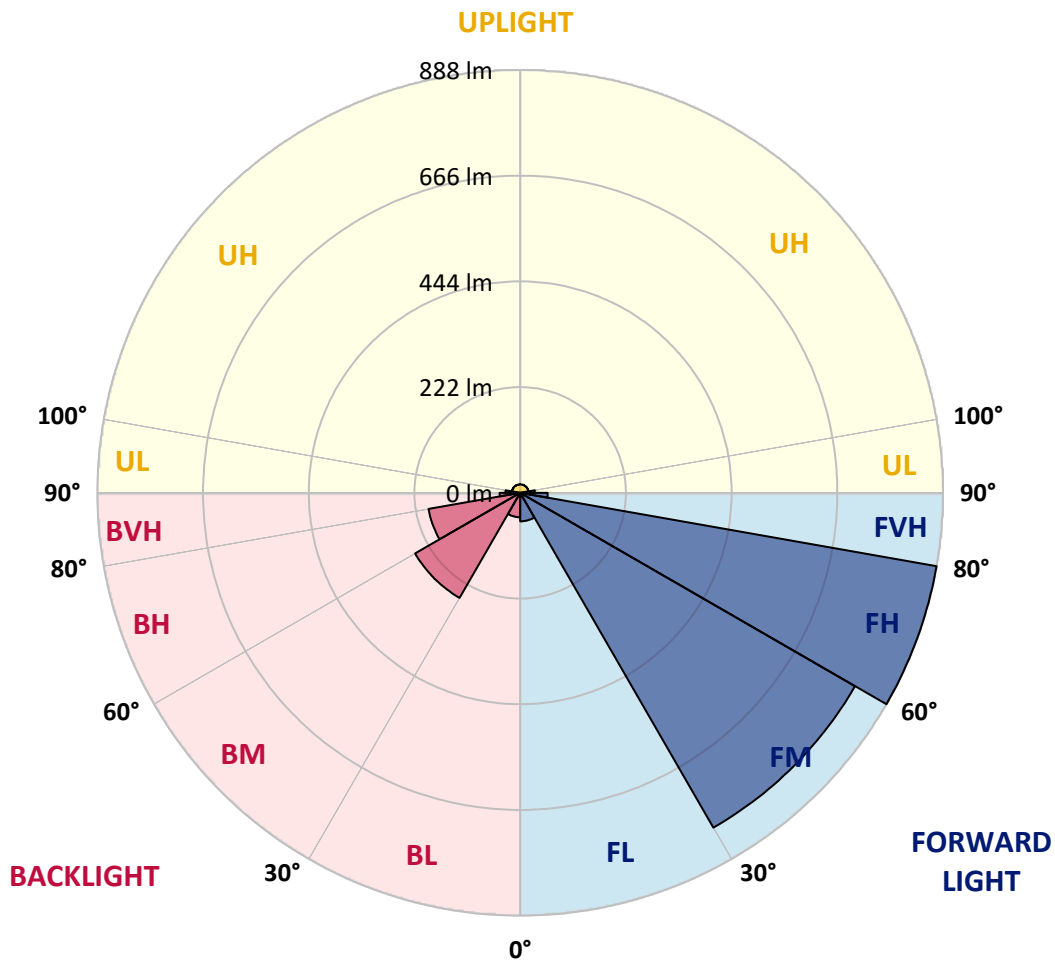
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.9	2.5			
FM	(30°-60°)	811.8	33.9			
FH	(60°-80°)	887.8	37.0			G1/1800
FVH	(80°-90°)	57.9	2.4			G1/100
BL	(0°-30°)	51.3	2.1	B0/110		
BM	(30°-60°)	254.6	10.6	B1/1000		
BH	(60°-80°)	195.4	8.2	B1/500		G1/500
BVH	(80°-90°)	43.1	1.8			G1/100
UL	(90°-100°)	30.9	1.3		U2/50	
UH	(100°-180°)	17.7	0.7		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.4	1.7	1.1	1.4	1.4	1.1	0.8	0.8	1.1	1.1	0.8
5°	25.7	26.0	27.1	27.9	9.6	6.8	2.6	1.7	1.4	1.1	1.1
7.5°	32.4	31.9	31.3	29.7	30.5	28.5	17.0	7.1	3.4	1.4	1.1
10°	37.5	37.5	35.0	33.0	32.7	32.2	30.5	27.9	13.3	2.9	1.9
12.5°	68.6	66.6	63.5	52.3	39.8	35.9	35.0	35.9	29.4	29.1	39.0
15°	78.5	79.1	77.3	73.1	70.9	45.7	60.1	74.8	75.1	60.1	67.7
17.5°	101.9	101.4	92.6	84.4	82.1	87.6	87.8	84.2	84.4	75.1	79.9
20°	151.6	153.0	145.7	123.4	99.9	115.5	112.1	97.4	99.4	141.8	146.3
22.5°	177.9	180.7	172.0	162.6	161.2	128.2	144.8	154.8	150.2	167.2	168.3
25°	264.0	256.4	223.3	191.2	195.4	170.8	187.5	182.4	174.5	186.9	216.3
27.5°	287.4	289.4	280.9	264.5	224.1	233.2	212.6	204.2	235.2	262.3	270.2
30°	340.7	340.7	310.6	304.3	286.5	260.6	278.1	275.6	280.9	285.2	299.8
32.5°	413.9	409.1	395.6	348.7	329.2	298.2	320.7	305.2	314.6	372.5	397.0
35°	489.3	489.0	442.7	408.3	368.5	363.7	352.9	393.0	404.1	406.5	430.9
37.5°	585.3	586.2	561.0	459.9	419.0	397.0	425.2	427.8	440.7	463.1	470.7
40°	660.9	656.4	624.3	548.9	482.2	450.9	475.5	471.3	493.6	511.3	522.3
42.5°	755.6	752.7	708.4	621.1	569.8	519.8	526.6	515.6	531.6	576.0	580.5
45°	844.4	839.1	798.2	705.0	651.1	596.1	581.3	571.2	574.8	625.1	642.3
47.5°	904.1	897.8	882.3	790.8	748.5	676.5	646.3	625.9	630.4	686.6	715.1
50°	978.6	958.0	944.2	862.2	832.1	773.9	709.8	690.1	700.2	751.6	796.0
52.5°	1018.4	990.4	990.7	932.3	903.8	862.6	780.7	761.5	775.0	824.2	888.5
55°	988.5	985.6	1010.3	976.9	960.9	925.3	857.2	839.6	861.9	919.3	990.4
57.5°	945.8	950.1	1000.7	1016.4	1016.4	987.9	942.1	934.9	958.8	1017.0	1088.4
60°	897.0	907.5	972.1	1017.5	1051.2	1049.4	1033.9	1049.1	1056.2	1111.5	1207.9
62.5°	825.3	830.1	905.7	997.8	1052.8	1106.7	1130.5	1150.0	1176.8	1222.2	1310.1
65°	743.1	749.0	824.7	944.7	1043.5	1144.4	1225.1	1272.2	1280.4	1316.8	1383.7
67.5°	637.0	643.4	709.5	845.1	1006.8	1174.9	1321.3	1378.9	1365.1	1360.0	1401.2
70°	493.6	493.3	539.8	664.3	872.7	1163.0	1406.4	1445.6	1409.7	1381.8	1352.6
71°	405.4	419.3	449.8	567.5	783.2	1114.7	1426.7	1460.6	1412.8	1380.1	1300.5
72.5°	258.3	274.5	300.4	404.9	625.1	989.9	1408.9	1450.6	1402.7	1359.5	1195.4
75°	101.9	105.6	124.8	187.5	339.1	666.7	1244.0	1307.5	1288.6	1249.6	958.3
77.5°	61.6	63.5	70.9	93.7	155.6	308.3	908.6	1000.9	1034.2	1016.1	659.6
80°	46.3	48.3	54.7	66.1	103.9	128.2	480.0	575.1	657.2	656.4	370.1
82.5°	35.3	36.4	42.7	46.5	77.3	88.7	181.0	244.8	318.4	318.4	183.5
85°	32.7	32.7	34.7	31.3	51.4	63.5	107.6	117.7	124.5	132.2	107.0
87.5°	13.0	12.7	16.7	16.1	22.6	41.7	68.0	71.2	66.6	80.7	92.4
90°	8.8	9.0	7.1	7.1	12.4	38.4	62.1	65.3	61.3	72.8	94.8
92.5°	8.5	8.8	6.4	6.4	9.3	31.9	65.0	66.1	62.9	75.1	96.6
95°	7.7	7.9	5.3	5.3	7.4	19.4	60.5	62.1	53.9	60.7	77.3
97.5°	5.9	6.2	3.7	4.0	5.6	7.4	36.1	38.7	30.2	28.5	33.6
100°	4.0	4.2	2.3	2.9	3.4	3.4	13.8	14.9	13.5	7.4	4.2
102.5°	3.7	4.0	1.7	1.7	1.7	1.1	2.9	4.5	2.6	3.1	3.7
105°	3.4	4.0	1.1	0.8	0.6	0.6	0.8	1.1	1.4	1.9	4.0
107.5°	2.3	2.6	0.6	0.6	0.3	0.6	0.6	0.6	0.8	1.4	3.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.1	1.1	0.3	0.3	0.0	0.3	0.3	0.6	0.8	1.1	1.7
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.8	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.8	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.4
125°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.4
127.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.1
130°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
140°	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
142.5°	0.6	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.6	0.6
145°	0.6	0.6	0.3	0.3	0.0	0.0	0.3	0.3	0.6	0.6	0.6
147.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.3	0.3	0.6	0.6	0.8
150°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.8	0.8	0.8	0.8	0.6	0.3	0.3	0.3	0.3	0.3	0.3
5°	0.8	0.8	0.8	0.8	0.8	0.6	1.1	1.7	1.9	2.3	2.3
7.5°	1.1	1.1	1.1	1.1	1.1	2.3	14.1	31.3	35.9	38.4	37.5
10°	1.9	1.9	1.7	1.9	7.1	35.0	42.7	45.7	46.3	48.3	50.0
12.5°	41.7	35.9	17.0	9.6	36.1	45.4	49.1	51.7	54.5	67.7	60.7
15°	69.2	70.6	69.2	76.2	85.3	51.4	61.0	93.2	101.1	103.3	102.8
17.5°	81.8	80.2	80.2	97.7	101.1	100.6	97.1	103.9	105.9	109.3	108.1
20°	152.4	153.0	143.7	113.5	107.8	135.2	108.7	108.4	129.3	148.5	149.0
22.5°	170.0	171.3	166.8	168.3	141.2	139.7	136.4	143.1	151.3	155.0	153.9
25°	230.7	214.8	186.1	173.4	171.1	142.9	160.9	147.7	148.8	150.8	152.2
27.5°	279.5	277.5	258.9	211.4	171.1	173.4	155.0	152.4	169.4	171.1	171.3
30°	302.7	297.6	276.7	222.5	187.7	166.0	151.1	163.0	160.4	162.0	162.0
32.5°	403.5	401.2	355.2	228.4	181.8	153.5	154.8	154.5	169.1	173.9	172.8
35°	430.6	426.4	358.3	259.5	172.5	155.0	145.7	156.7	156.7	158.7	158.1
37.5°	464.2	457.2	363.4	248.5	178.2	145.7	142.6	145.7	153.5	155.9	154.5
40°	510.5	494.4	359.2	230.1	166.3	144.2	137.2	142.9	142.3	139.4	138.1
42.5°	558.7	539.5	359.5	213.2	157.0	142.3	135.5	134.4	132.7	128.2	127.4
45°	621.4	583.6	363.7	201.3	149.0	141.2	133.8	128.8	126.2	121.7	120.8
47.5°	692.8	630.8	362.2	191.7	141.2	137.8	128.8	124.0	122.5	116.3	115.5
50°	764.9	676.5	363.4	178.7	132.2	134.1	127.4	120.6	118.0	111.0	110.7
52.5°	849.0	724.2	356.0	160.1	121.7	129.3	128.2	121.4	121.4	111.0	110.1
55°	932.3	782.7	349.8	140.3	114.7	125.3	129.9	127.4	126.7	112.4	111.5
57.5°	1014.5	832.9	329.8	123.1	110.1	121.9	133.8	131.2	129.6	118.0	115.5
60°	1103.2	898.7	292.0	109.6	107.6	119.2	134.9	134.7	125.1	124.0	122.5
62.5°	1169.7	936.8	243.1	100.6	103.9	118.3	134.4	134.4	126.2	125.9	125.3
65°	1201.4	941.6	183.8	93.5	100.2	116.9	132.4	137.8	131.2	132.2	131.0
67.5°	1185.3	905.2	138.3	87.3	96.9	115.8	132.7	141.8	135.8	144.5	143.1
70°	1100.3	811.4	113.8	83.0	95.7	113.8	136.7	142.9	138.9	153.0	151.3
71°	1038.5	751.1	106.2	80.5	95.7	112.6	137.5	143.1	138.3	153.9	152.4
72.5°	933.7	644.6	98.0	76.8	95.1	112.1	137.5	142.9	140.0	157.5	155.0
75°	703.6	442.4	87.8	74.8	94.6	110.4	134.7	140.3	137.8	151.1	150.5
77.5°	450.9	258.6	78.5	74.6	92.4	109.6	131.0	135.2	130.7	142.0	141.5
80°	248.2	148.5	69.8	69.8	87.8	107.6	125.3	126.2	121.7	130.4	126.7
82.5°	147.4	105.4	57.9	61.3	81.3	102.2	119.2	115.2	110.4	126.5	107.6
85°	99.4	81.8	39.8	47.2	73.1	88.7	106.2	99.9	91.8	92.4	88.1
87.5°	82.4	65.3	20.9	30.8	56.8	65.0	78.8	72.5	64.1	62.9	59.3
90°	81.8	63.5	16.7	27.6	45.4	50.2	61.0	55.0	50.2	52.3	49.4
92.5°	82.4	62.9	17.2	23.7	37.2	37.8	50.0	47.7	43.5	44.3	41.5
95°	66.1	49.4	16.7	18.9	21.2	20.0	30.8	30.8	26.5	25.2	23.4
97.5°	27.6	24.6	15.5	15.2	14.9	11.0	17.8	20.4	13.8	9.3	8.2
100°	4.2	7.1	13.0	14.4	10.4	6.4	11.3	13.0	7.4	1.4	1.1
102.5°	4.2	3.7	5.3	10.7	6.2	1.7	4.5	7.4	3.7	0.8	1.1
105°	4.5	3.7	2.3	5.6	1.4	0.6	0.3	1.9	0.6	0.8	0.8
107.5°	4.2	3.4	1.4	1.1	0.8	0.3	0.0	0.0	0.0	0.8	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.3	1.9	1.4	0.8	0.6	0.3	0.0	0.0	0.0	0.8	1.1
112.5°	1.4	1.7	1.1	0.8	0.3	0.3	0.0	0.0	0.0	1.1	1.4
115°	1.7	1.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	1.1	1.4
117.5°	1.7	1.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	1.1	1.4
120°	1.7	1.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	1.1	1.4
122.5°	1.7	1.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.8	1.1
125°	1.4	1.4	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.8	1.1
127.5°	1.4	1.4	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.8
130°	1.4	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6
132.5°	1.1	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)