

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: P266008

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
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-T2U-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2039.4 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-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

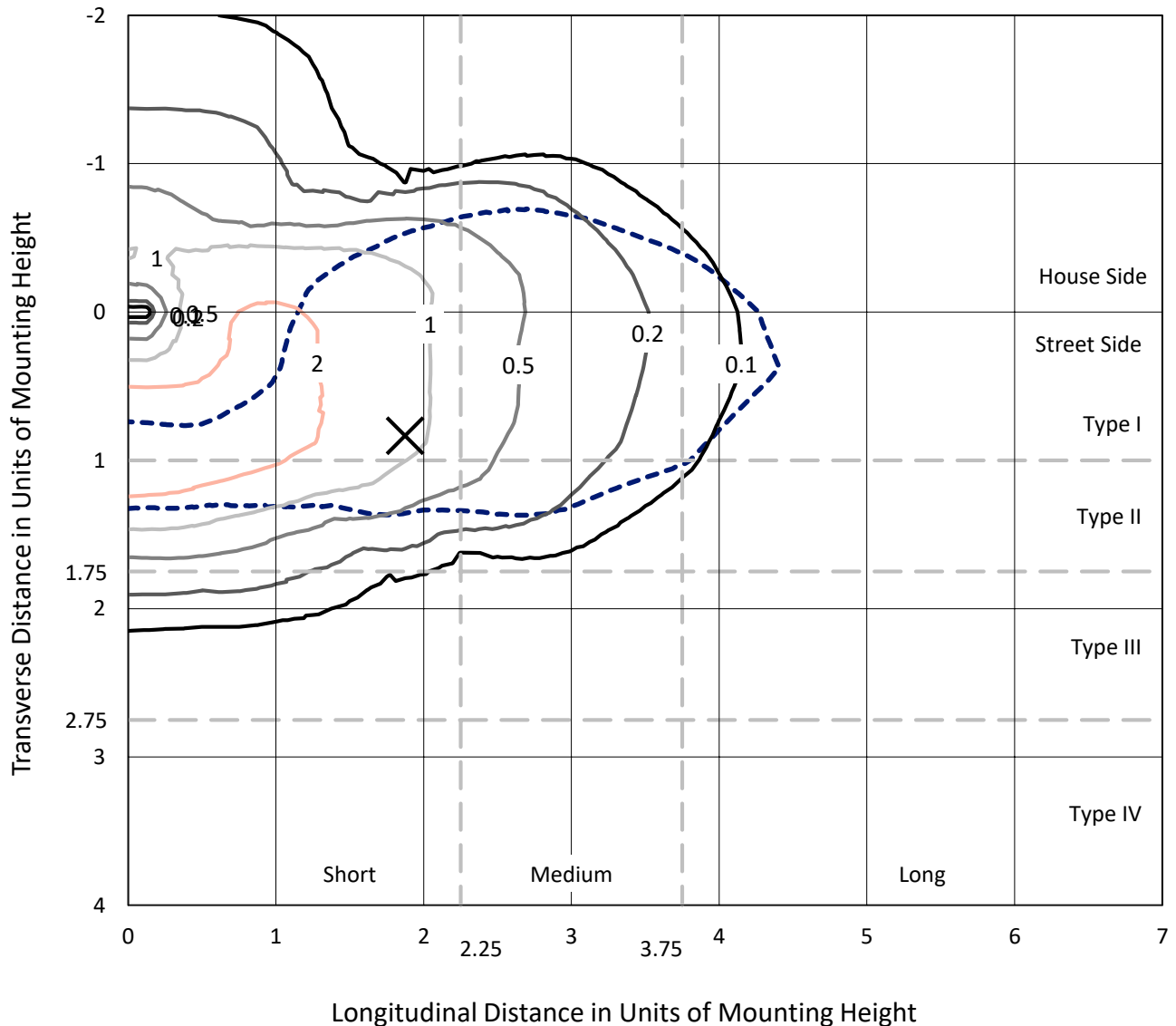


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

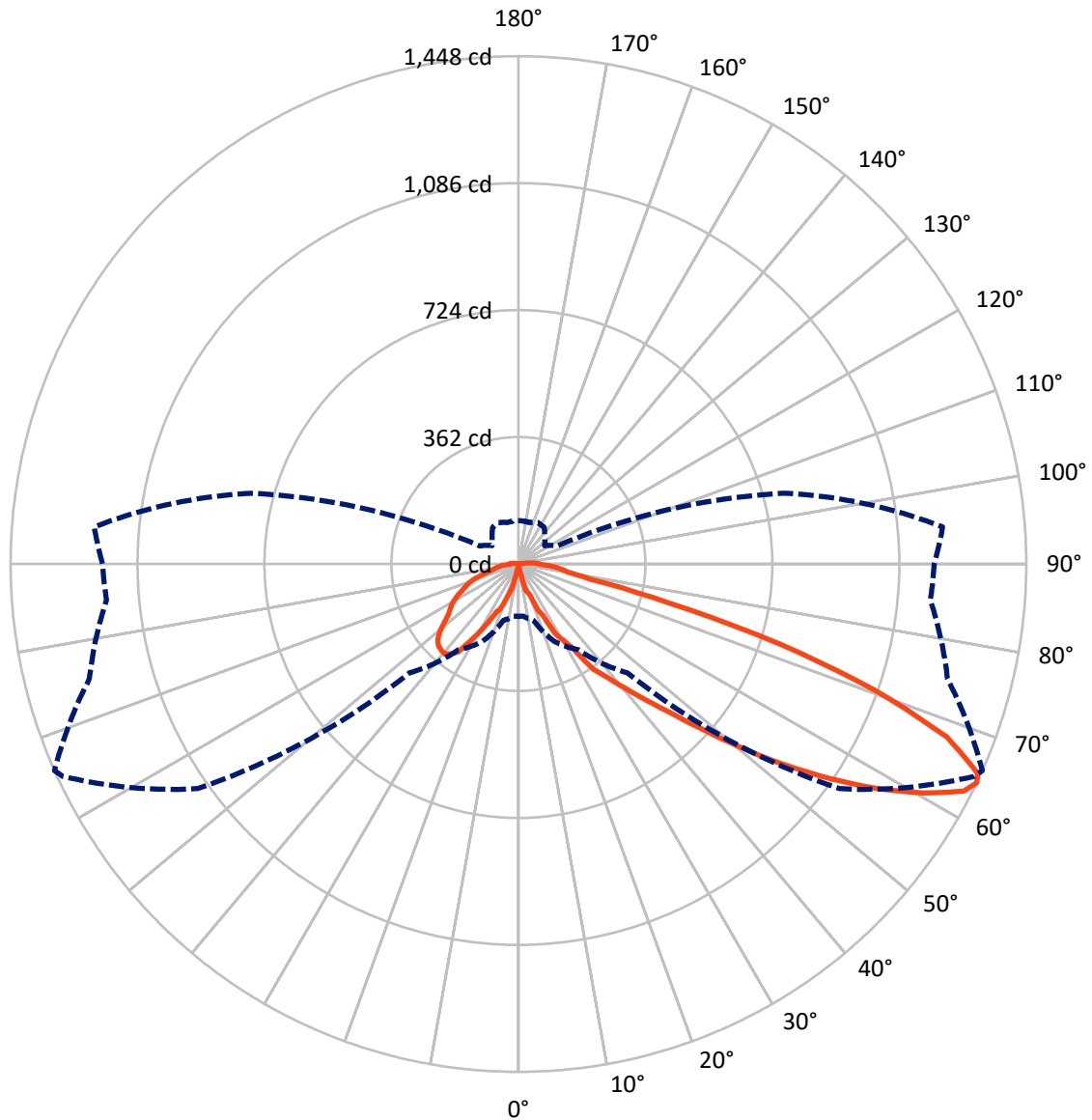


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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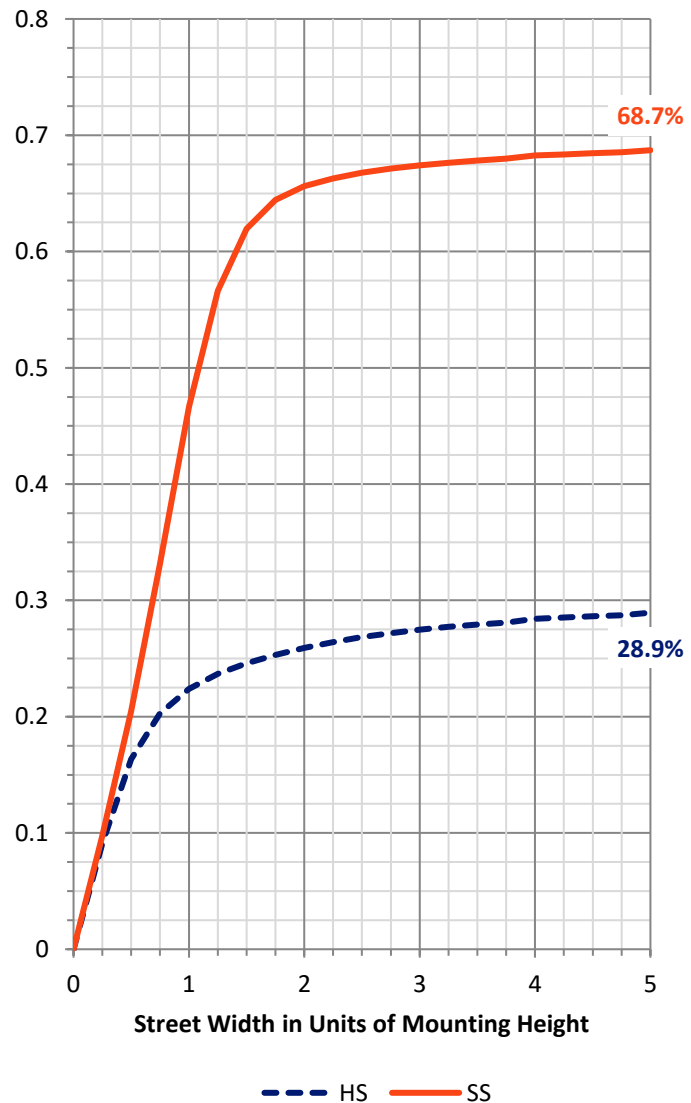
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.5	12.4	616.0
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	1412.2	11.3	1423.5
	% Fixture	69.2	0.6	69.8
Total	Lumens	2015.7	23.7	2039.4
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	19.8	1.0
20°-30°	79.7	3.9
30°-40°	201.8	9.9
40°-50°	384.7	18.9
50°-60°	516.0	25.3
60°-70°	477.8	23.4
70°-80°	268.7	13.2
80°-90°	65.8	3.2
90°-100°	20.1	1.0
100°-110°	2.4	0.1
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2015.7	98.8
0°-180°	2039.4	100.0



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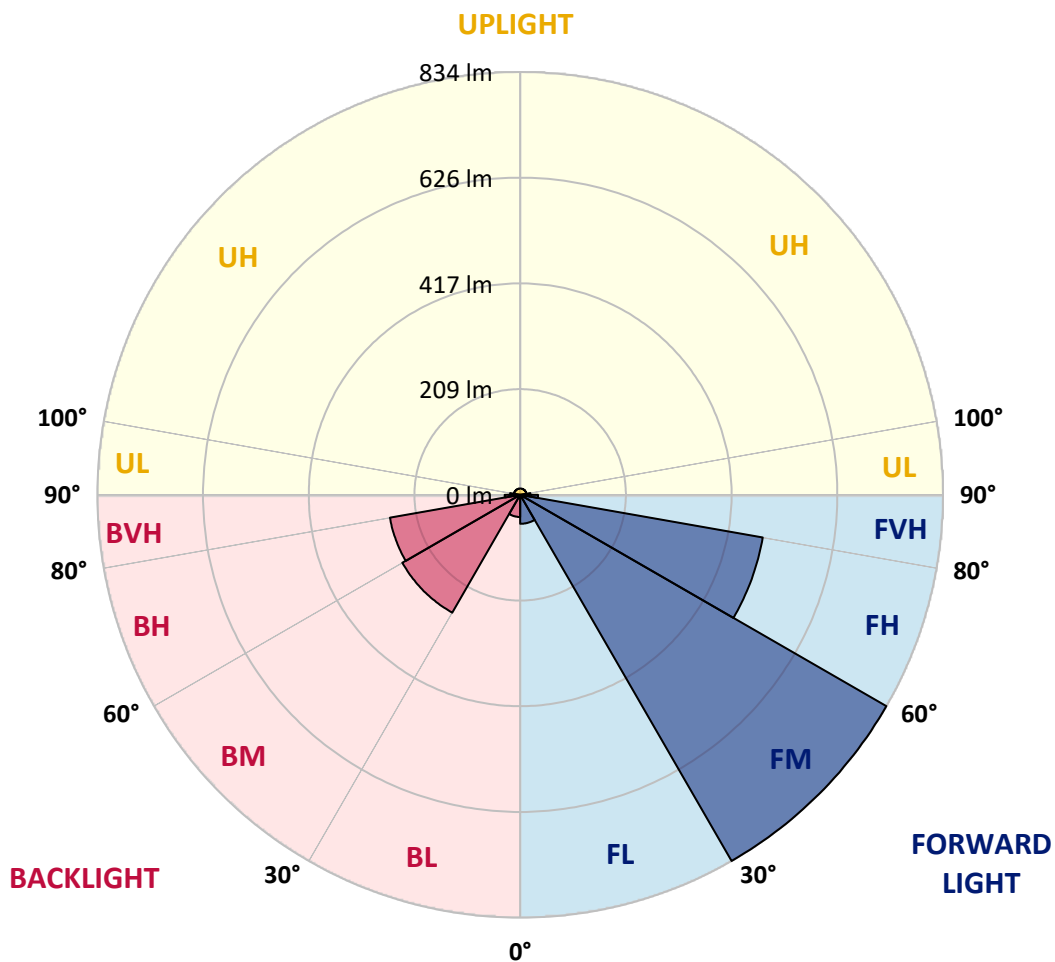
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.1	2.8			
FM	(30°-60°)	834.0	40.9			
FH	(60°-80°)	485.8	23.8			G0/660
FVH	(80°-90°)	35.2	1.7			G1/100
BL	(0°-30°)	43.7	2.1	B0/110		
BM	(30°-60°)	268.5	13.2	B1/1000		
BH	(60°-80°)	260.7	12.8	B1/500		G1/500
BVH	(80°-90°)	30.6	1.5			G1/100
UL	(90°-100°)	20.1	1.0		U2/50	
UH	(100°-180°)	12.4	0.6		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°	66°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.3	2.3	2.3	2.6	2.3	2.2	1.9	1.4	1.2	0.7	0.7
5°	31.4	31.4	31.3	30.3	9.3	4.9	3.1	1.9	1.9	1.2	0.7
7.5°	35.3	35.0	35.0	34.0	33.7	31.3	15.8	3.1	2.9	1.6	1.0
10°	39.0	38.1	37.6	36.9	37.2	35.0	32.6	15.4	8.9	3.4	2.6
12.5°	72.5	72.0	69.8	58.7	40.8	37.4	36.7	30.7	29.7	25.6	30.0
15°	80.0	78.6	77.3	77.0	72.9	45.5	57.9	75.5	76.3	58.7	63.5
17.5°	93.6	91.1	86.3	82.7	80.6	93.6	86.1	83.5	84.3	72.0	71.7
20°	141.8	141.5	139.1	122.8	92.0	115.6	111.3	95.4	95.0	130.0	126.8
22.5°	167.2	163.0	160.0	154.7	158.2	126.7	135.3	139.1	142.2	149.2	142.7
25°	251.3	230.7	220.4	179.1	188.5	160.2	178.1	163.0	161.7	166.6	179.7
27.5°	290.0	291.1	283.0	268.4	217.7	224.7	198.7	228.4	226.6	230.7	221.3
30°	386.0	379.5	335.2	320.9	281.4	256.0	274.1	257.1	251.5	246.8	244.6
32.5°	476.0	475.7	463.7	404.2	354.4	299.8	311.7	285.7	287.3	318.4	326.2
35°	615.8	606.6	534.8	498.5	423.5	382.7	350.1	371.4	368.6	364.3	367.3
37.5°	777.4	765.9	704.7	591.5	513.4	439.0	435.0	419.6	409.1	413.8	417.1
40°	872.2	862.6	809.1	712.9	599.2	537.4	497.5	474.8	461.8	480.8	480.1
42.5°	939.4	931.2	900.5	801.1	720.5	654.7	572.0	539.3	525.9	554.9	543.6
45°	973.8	959.1	955.5	880.7	826.5	797.1	674.7	618.5	601.7	632.5	619.1
47.5°	956.2	940.2	954.1	906.6	922.0	920.8	802.5	710.5	699.4	725.3	705.2
50°	874.9	865.6	895.6	902.1	970.9	1021.1	944.7	808.0	821.9	809.6	795.9
52.5°	741.2	737.4	785.3	839.2	963.4	1086.7	1075.7	919.9	950.9	895.3	877.1
55°	599.0	599.7	652.0	715.8	886.0	1096.0	1189.5	1053.2	1079.8	981.8	956.4
57.5°	437.4	456.6	516.3	570.5	738.8	1034.7	1260.1	1186.4	1208.5	1071.4	1028.9
60°	283.7	290.6	362.6	448.7	544.8	848.5	1287.5	1308.6	1325.4	1164.2	1098.0
62.5°	187.2	187.9	217.7	317.0	376.7	592.3	1220.7	1409.3	1425.5	1235.6	1156.7
64°	149.2	148.8	166.5	243.4	299.0	438.4	1116.5	1432.4	1447.8	1266.5	1178.8
65°	131.6	131.4	144.1	195.7	255.6	350.2	1012.4	1424.2	1438.9	1280.4	1184.8
67.5°	111.7	112.2	117.3	134.6	185.1	210.7	619.4	1304.9	1317.2	1269.7	1163.9
70°	103.1	103.6	109.6	112.9	146.1	156.6	269.3	1065.8	1080.0	1220.4	1116.0
72.5°	90.9	91.5	99.5	108.2	115.8	130.0	171.4	733.5	774.0	1058.5	1051.5
75°	75.9	76.7	84.3	95.4	101.0	106.0	148.4	389.1	439.5	796.5	937.1
77.5°	62.2	62.6	68.8	76.4	91.8	82.3	130.0	199.1	211.0	503.9	693.0
80°	45.9	46.4	53.0	61.4	71.2	71.7	107.2	143.4	144.1	275.8	374.1
82.5°	31.4	31.6	38.4	43.2	50.3	66.5	85.9	118.1	124.2	163.9	171.9
85°	21.6	21.7	26.0	27.6	31.6	36.7	62.2	92.7	101.9	117.5	103.1
87.5°	10.3	10.8	11.3	11.9	12.4	12.9	26.6	68.4	72.0	78.4	81.6
90°	8.7	8.7	6.6	6.5	7.5	7.6	12.2	58.3	57.0	75.1	81.0
92.5°	8.7	8.7	6.3	6.0	6.6	6.5	8.9	48.0	46.5	73.8	80.0
95°	7.5	7.6	5.0	4.9	5.7	5.3	6.9	28.0	29.7	52.0	59.2
97.5°	6.3	6.3	3.9	3.9	4.1	3.9	4.5	10.3	11.5	22.1	26.1
100°	4.5	4.9	2.3	2.6	2.6	2.3	2.3	4.3	4.9	6.0	5.7
102.5°	3.9	4.3	1.6	1.9	1.4	1.4	1.2	1.9	1.9	3.1	4.5
105°	2.9	3.4	1.2	1.2	1.0	1.0	0.4	1.4	1.4	2.6	4.9
107.5°	1.6	1.9	0.7	0.7	0.7	1.0	0.4	1.0	1.2	2.2	4.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	0.7	0.7	0.2	0.4	0.2	0.7	0.4	1.0	1.2	1.0	2.2
112.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.7	0.4	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.4	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	1.2
120°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	1.2
122.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	1.0
125°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0
127.5°	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7
130°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
135°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
137.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.2
147.5°	1.2	1.2	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
150°	1.0	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2
152.5°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.7	1.0	1.0	1.2	1.2	1.4	1.4	1.4	1.4	1.2	1.2
5°	0.7	1.0	1.0	1.2	1.4	1.9	2.2	2.6	2.6	2.9	2.9
7.5°	1.0	1.0	1.2	1.4	2.2	3.7	10.8	34.2	35.6	38.5	38.8
10°	2.3	2.6	2.6	2.9	6.9	35.3	39.5	41.2	43.4	43.7	43.4
12.5°	31.6	30.5	29.3	9.2	34.8	42.4	43.7	46.1	47.3	50.8	50.8
15°	64.0	64.0	61.9	68.1	61.7	47.3	50.8	79.9	82.7	84.9	83.7
17.5°	72.7	72.7	71.2	86.3	92.7	74.7	81.7	88.0	89.9	90.4	90.2
20°	130.7	129.3	116.5	106.0	96.8	118.7	100.3	90.5	107.8	125.0	125.9
22.5°	142.2	140.2	137.1	139.1	127.3	122.3	114.9	120.6	124.4	125.1	125.5
25°	179.3	178.1	154.9	148.2	160.0	136.5	138.1	118.1	120.4	123.0	122.8
27.5°	222.3	218.5	206.7	177.4	167.4	160.8	130.4	125.0	138.1	138.9	138.3
30°	246.8	236.0	214.3	219.1	180.7	153.9	129.4	131.0	125.1	125.5	125.9
32.5°	329.0	316.1	288.3	254.8	193.0	144.8	125.5	117.5	126.8	128.5	129.3
35°	359.7	348.2	324.2	301.7	196.5	138.1	111.5	115.2	115.3	115.8	116.3
37.5°	402.4	386.4	366.4	316.1	195.4	121.6	108.7	109.1	116.8	118.1	118.9
40°	454.9	434.5	412.2	322.5	176.2	115.3	106.2	109.9	112.5	111.7	112.2
42.5°	517.0	489.3	458.2	314.9	149.4	112.5	106.2	108.7	109.1	107.0	107.0
45°	588.4	557.8	497.3	306.2	128.7	113.5	108.7	107.2	104.8	101.7	101.0
47.5°	666.6	630.9	533.2	289.4	114.4	112.6	110.0	104.8	102.1	99.5	99.5
50°	750.3	712.6	564.0	263.6	107.6	111.5	109.4	106.2	103.3	98.5	98.4
52.5°	830.4	799.8	602.1	228.3	101.1	112.5	114.9	107.8	103.8	97.3	97.3
55°	907.8	890.1	636.4	200.4	98.5	109.6	117.9	112.0	103.3	98.4	98.5
57.5°	985.0	982.8	675.7	181.7	95.4	107.8	122.1	115.2	107.8	102.9	102.9
60°	1072.8	1082.6	726.3	160.8	95.0	106.0	123.7	120.4	112.0	111.0	111.3
62.5°	1148.4	1173.9	764.8	136.7	91.8	104.6	126.7	125.5	117.0	116.1	117.5
64°	1185.6	1214.0	780.0	121.6	91.1	105.6	127.7	130.4	122.4	123.4	123.4
65°	1198.9	1226.9	784.3	111.5	90.4	106.0	128.1	132.1	123.7	123.4	123.4
67.5°	1199.3	1220.9	769.2	95.7	87.2	105.7	129.3	136.7	128.5	134.0	132.0
70°	1171.1	1143.1	710.6	84.6	86.7	106.0	128.3	134.2	127.1	139.5	138.3
72.5°	1093.1	992.4	564.7	74.6	87.8	104.6	123.2	128.1	122.8	141.0	139.7
75°	923.6	773.5	347.6	69.8	86.5	99.5	117.3	116.5	113.8	125.5	124.7
77.5°	634.7	509.1	166.5	68.1	84.9	92.5	104.1	102.9	100.0	104.8	103.3
80°	328.5	269.0	100.5	62.3	79.0	80.3	84.9	85.9	82.7	83.9	82.0
82.5°	155.3	141.9	84.4	56.9	67.6	59.5	65.9	69.1	63.5	63.8	57.0
85°	97.0	99.1	69.4	44.1	45.5	36.2	45.9	49.1	42.2	35.9	34.2
87.5°	80.6	84.3	51.4	24.8	21.1	18.4	26.0	27.0	19.5	16.3	15.1
90°	83.3	85.9	50.6	19.7	16.8	14.0	19.0	16.8	11.9	10.5	9.6
92.5°	82.5	83.7	50.1	19.0	15.8	12.7	16.1	12.9	9.3	8.2	7.5
95°	62.2	66.7	40.6	18.4	14.0	10.3	11.9	10.2	6.5	5.7	5.3
97.5°	25.6	30.3	24.0	17.4	10.8	7.6	7.9	6.9	3.9	3.4	3.1
100°	5.0	7.9	12.7	12.7	5.3	4.1	4.1	3.9	1.9	1.6	1.4
102.5°	5.0	4.9	5.7	6.9	2.3	1.2	1.4	1.9	1.2	1.6	1.6
105°	5.3	5.0	3.1	1.9	1.4	0.7	0.4	0.4	1.0	1.9	2.2
107.5°	4.9	4.9	2.2	1.4	1.2	1.0	0.2	0.2	0.7	2.2	2.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.3	2.6	1.6	1.2	1.2	1.0	0.2	0.0	0.7	2.3	2.6
112.5°	1.4	1.4	1.4	1.0	0.7	0.7	0.2	0.0	0.7	2.6	2.9
115°	1.4	1.4	1.2	1.0	0.7	0.4	0.0	0.0	0.7	2.9	3.1
117.5°	1.4	1.4	1.2	0.7	0.4	0.2	0.0	0.0	0.7	2.9	3.1
120°	1.4	1.4	1.2	0.7	0.4	0.2	0.0	0.0	0.7	2.6	2.9
122.5°	1.4	1.4	1.2	0.7	0.4	0.2	0.0	0.0	0.7	2.2	2.3
125°	1.2	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.4	1.9	1.9
127.5°	1.0	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.4	1.4	1.6
130°	1.0	1.0	0.7	0.7	0.4	0.2	0.0	0.0	0.2	1.2	1.4
132.5°	0.7	0.7	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.4	0.7
135°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.2
137.5°	0.2	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
140°	0.2	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
142.5°	0.2	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
145°	0.2	0.4	0.4	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
147.5°	0.4	0.4	0.4	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.2	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)