

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: P254679

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
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-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2169.8 lumens
Efficiency: N/A
Efficacy: 103.3 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

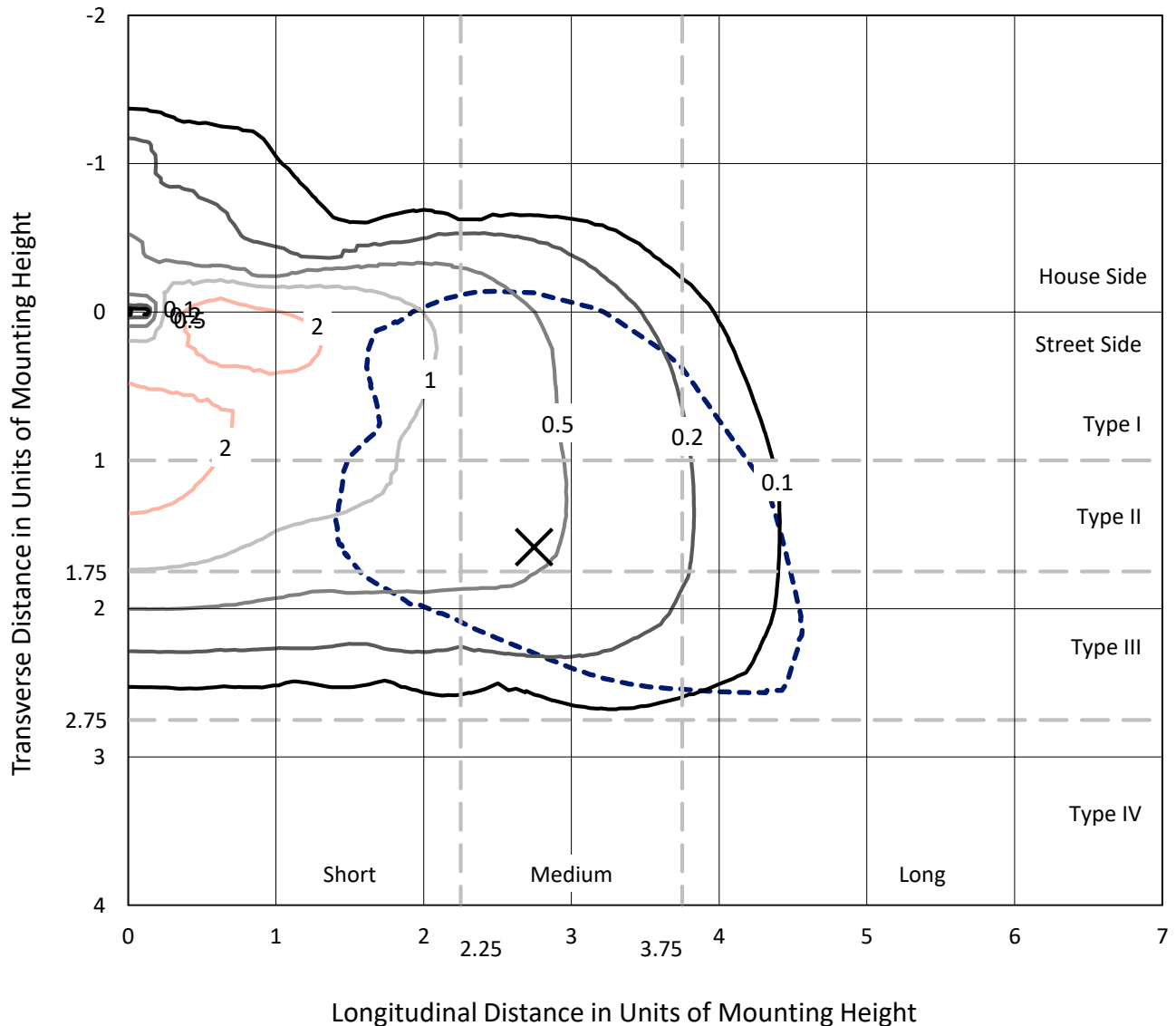


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

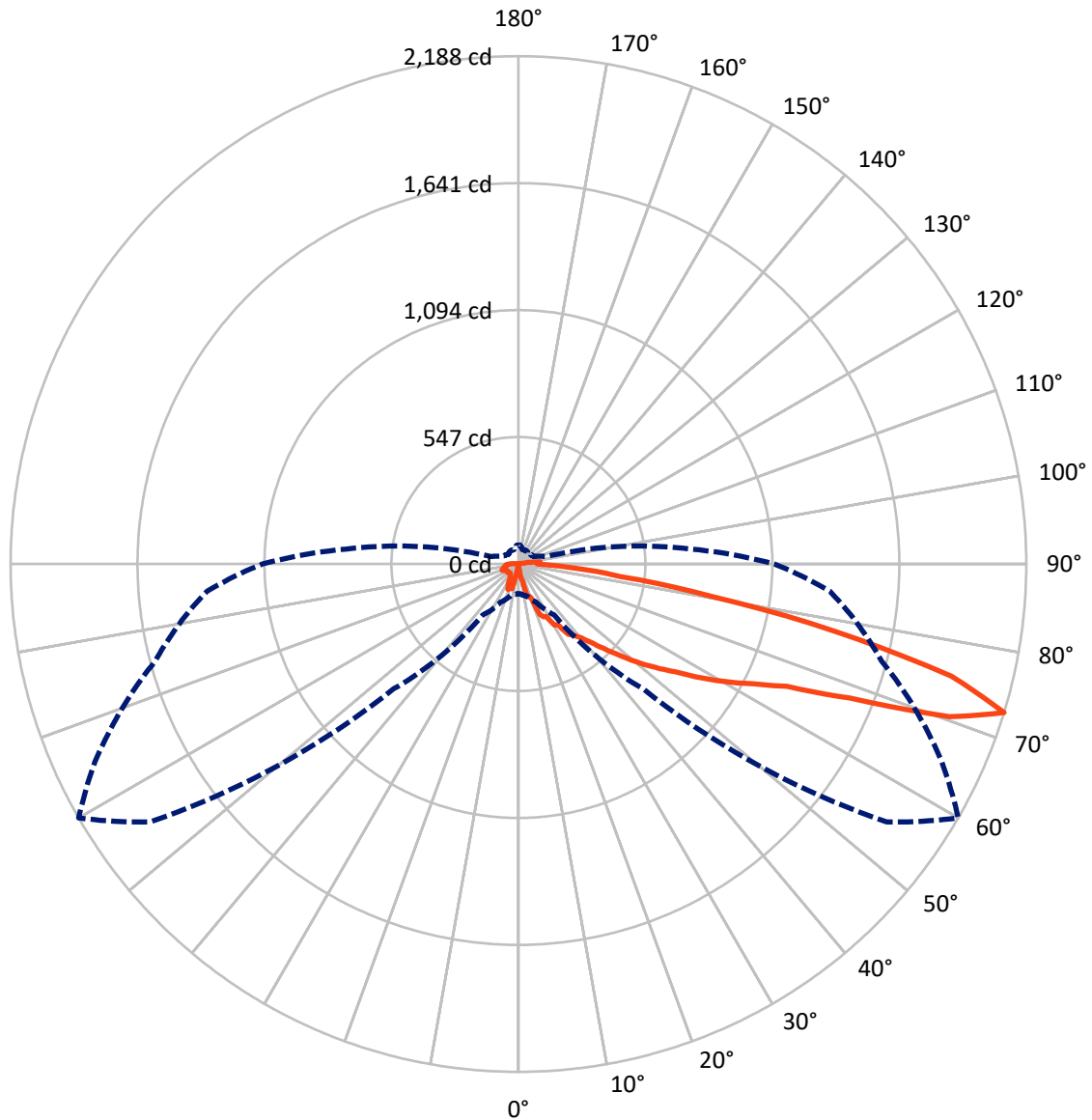


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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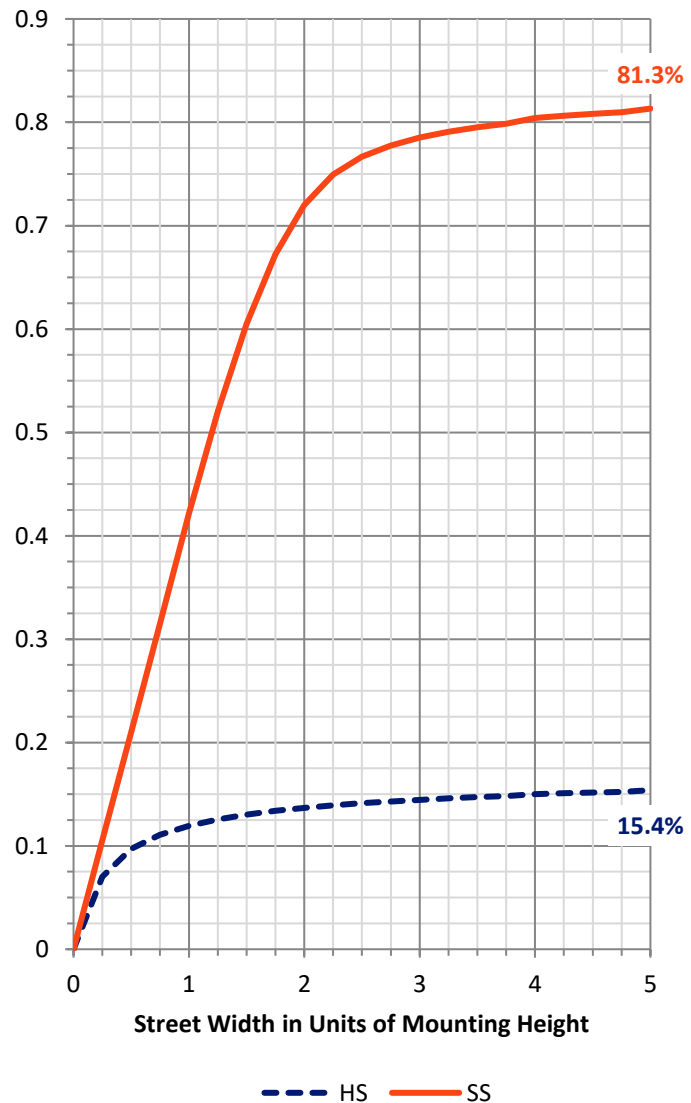
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	352.1	14.1	366.2
	% Fixture	16.2	0.6	16.9
Street Side	Lumens	1785.6	18.0	1803.6
	% Fixture	82.3	0.8	83.1
Total	Lumens	2137.7	32.1	2169.8
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	29.1	1.3
20°-30°	85.3	3.9
30°-40°	170.0	7.8
40°-50°	292.2	13.5
50°-60°	447.0	20.6
60°-70°	563.5	26.0
70°-80°	448.5	20.7
80°-90°	99.8	4.6
90°-100°	28.0	1.3
100°-110°	2.8	0.1
110°-120°	0.5	0.0
120°-130°	0.4	0.0
130°-140°	0.2	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°	2137.7	98.5
0°-180°	2169.8	100.0

Coefficient of Utilization



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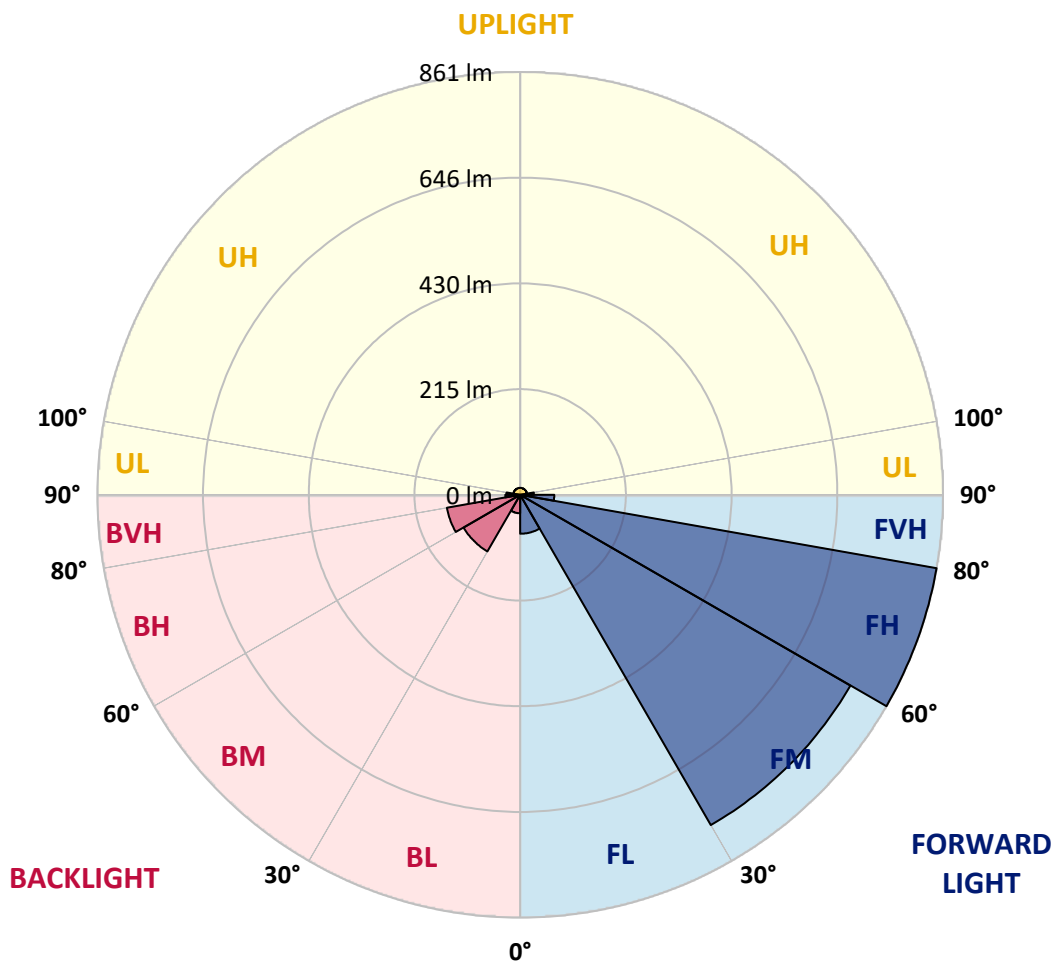
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.3	3.7			
FM	(30°-60°)	776.2	35.8			
FH	(60°-80°)	860.7	39.7			G1/1800
FVH	(80°-90°)	69.4	3.2			G1/100
BL	(0°-30°)	37.5	1.7	B0/110		
BM	(30°-60°)	132.9	6.1	B0/220		
BH	(60°-80°)	151.3	7.0	B1/500		G1/500
BVH	(80°-90°)	30.4	1.4			G1/100
UL	(90°-100°)	28.0	1.3		U2/50	
UH	(100°-180°)	14.1	0.6		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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.1	1.3	1.1	1.3	1.3	1.1	0.8	1.1	1.1	1.1	0.8
5°	66.4	67.3	60.1	47.0	9.1	6.4	2.1	1.3	1.3	1.1	1.1
7.5°	66.9	67.5	70.5	69.4	70.7	67.5	23.5	7.0	2.9	1.3	1.1
10°	72.1	71.8	71.0	72.6	72.3	68.9	66.4	63.5	14.4	1.8	1.6
12.5°	139.1	139.7	136.1	110.1	76.6	71.0	68.7	66.4	54.2	38.7	89.9
15°	140.2	139.3	135.6	141.5	139.3	81.4	113.9	145.6	146.5	108.9	125.2
17.5°	147.4	145.6	141.0	136.9	136.1	162.6	153.0	145.0	147.6	126.8	135.6
20°	200.5	198.7	196.2	191.4	145.8	185.5	184.9	154.6	155.9	253.1	246.6
22.5°	203.7	200.5	198.7	195.9	218.1	182.4	219.4	235.1	236.0	268.6	260.2
25°	270.6	269.7	252.8	203.7	217.5	207.4	251.8	252.3	246.9	282.4	310.2
27.5°	299.8	291.2	275.8	266.7	224.0	247.7	251.2	255.2	320.9	382.9	373.4
30°	402.8	391.5	307.8	299.8	265.4	251.4	289.9	305.2	331.8	384.4	386.8
32.5°	465.0	449.8	407.6	373.4	314.7	276.5	310.2	312.4	334.3	479.2	489.1
35°	574.7	554.7	456.7	415.8	367.5	329.4	321.4	371.6	401.5	500.3	506.4
37.5°	596.1	596.1	568.0	495.7	421.7	369.8	378.2	390.3	420.9	538.6	536.0
40°	617.2	619.6	624.9	563.6	480.5	428.8	416.4	418.3	447.1	582.7	571.2
42.5°	669.4	667.6	676.5	615.7	559.5	494.4	474.0	464.0	484.8	639.6	615.7
45°	760.0	760.0	753.4	670.9	619.3	560.1	540.9	522.1	529.6	695.3	677.0
47.5°	872.1	859.6	824.1	734.9	671.6	621.4	605.4	588.1	591.8	761.5	749.8
50°	956.1	942.8	875.0	781.3	714.5	685.5	677.7	665.0	659.6	824.6	829.4
52.5°	974.4	958.1	898.2	809.9	750.6	751.7	759.7	741.4	724.0	892.4	909.7
55°	952.2	943.1	905.8	831.6	784.6	807.8	843.1	819.8	812.1	966.6	987.7
57.5°	908.2	904.3	902.3	849.7	807.5	869.1	950.0	924.2	903.9	1035.2	1044.0
60°	815.0	816.2	840.6	849.4	848.8	933.7	1049.7	1028.7	989.8	1101.5	1110.7
62.5°	650.7	660.2	724.0	786.1	871.1	1032.5	1144.9	1137.7	1095.8	1176.9	1175.6
65°	410.9	429.0	523.8	664.4	840.9	1167.9	1299.0	1270.6	1215.9	1264.2	1284.3
67.5°	222.2	228.5	281.2	437.8	728.0	1231.4	1632.9	1540.2	1413.7	1404.1	1407.8
70°	160.4	162.2	175.9	241.9	455.2	1128.8	1927.6	1970.3	1726.9	1554.6	1455.7
72.5°	127.1	130.6	143.5	181.8	268.0	760.8	1937.5	2188.1	2011.9	1620.9	1346.2
75°	87.5	92.9	115.9	156.5	241.6	379.9	1576.1	1926.0	1942.3	1487.1	1069.8
77.5°	46.8	47.5	52.9	121.2	229.0	274.1	1018.1	1393.4	1390.3	1045.6	579.5
80°	37.9	38.5	40.5	52.3	196.2	279.7	546.4	843.8	773.0	406.3	211.2
82.5°	24.8	26.4	32.3	35.5	88.1	269.9	324.6	442.1	352.6	146.9	132.4
85°	14.6	16.3	23.5	26.1	41.9	315.0	291.2	266.1	203.7	103.8	99.5
87.5°	5.0	5.0	7.0	9.1	13.8	90.2	152.2	121.8	93.4	68.9	82.0
90°	2.6	2.9	1.6	1.6	6.1	27.8	81.4	80.9	63.5	67.5	87.5
92.5°	2.9	2.9	1.6	1.6	6.4	16.5	86.8	92.9	75.1	75.8	94.7
95°	3.2	3.5	1.3	1.3	6.1	11.5	76.4	94.5	73.4	68.7	82.5
97.5°	3.5	3.8	1.3	1.1	4.1	8.8	38.5	54.0	42.4	32.3	36.0
100°	3.2	3.5	0.8	0.8	1.8	5.9	14.6	20.0	18.1	7.4	4.3
102.5°	3.2	3.5	0.8	0.5	0.8	3.2	3.2	7.4	4.6	2.4	3.5
105°	3.2	3.5	0.8	0.5	0.2	1.6	1.1	1.3	1.6	2.1	4.1
107.5°	1.8	2.1	0.5	0.5	0.2	0.2	0.5	0.5	1.1	1.6	3.5
110°	0.8	0.8	0.2	0.2	0.0	0.2	0.2	0.5	1.1	1.3	1.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.1	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.8
140°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.5	0.5	0.8
142.5°	0.5	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.5	0.8	0.8
145°	0.8	0.5	0.5	0.2	0.0	0.0	0.2	0.5	0.8	0.8	0.8
147.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.2	0.5	0.8	1.1	1.1
150°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.8	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.5
7.5°	0.8	0.8	0.8	0.5	0.5	0.2	49.3	57.4	65.9	64.6	62.8
10°	1.3	1.3	1.3	1.1	3.2	59.2	66.4	63.5	62.2	61.6	62.5
12.5°	91.0	107.3	35.7	5.4	52.6	57.9	59.2	56.0	57.9	58.5	56.9
15°	124.9	122.5	112.6	115.9	103.0	55.8	53.1	79.0	78.7	78.4	78.4
17.5°	135.1	128.4	111.3	117.7	103.0	84.5	65.7	62.8	60.6	60.8	60.3
20°	243.2	227.5	175.9	114.5	90.2	90.4	55.8	48.3	60.6	70.7	72.1
22.5°	245.1	229.9	184.2	148.4	90.2	71.6	54.7	57.2	68.7	75.1	76.1
25°	308.3	278.7	181.0	125.4	90.4	58.2	58.2	54.9	62.5	71.2	72.6
27.5°	351.9	317.4	220.8	123.0	68.1	56.9	52.0	52.6	66.7	72.8	73.1
30°	352.4	311.8	207.7	103.4	56.6	49.3	47.0	54.9	58.5	62.5	62.8
32.5°	458.1	397.4	233.3	83.0	50.5	44.6	47.2	52.3	59.0	68.9	69.9
35°	458.1	390.8	203.1	76.4	47.7	44.8	48.6	56.0	56.4	63.8	65.4
37.5°	470.9	390.3	171.6	63.8	49.9	44.8	50.7	52.6	54.9	62.8	63.1
40°	490.9	395.8	140.4	58.2	49.3	48.8	49.3	51.8	51.3	56.4	56.6
42.5°	524.0	408.4	116.7	56.4	49.1	51.3	49.9	49.1	46.2	60.6	60.8
45°	572.6	436.9	99.3	56.4	49.3	54.7	51.6	47.5	44.6	73.1	75.3
47.5°	629.7	472.8	91.3	57.7	50.5	55.5	49.1	47.5	47.5	79.3	80.3
50°	698.0	513.8	87.5	58.7	54.0	54.9	50.7	50.5	52.6	73.6	73.4
52.5°	770.4	564.6	87.0	60.3	56.4	52.9	57.4	54.0	47.0	54.0	54.0
55°	842.2	627.0	86.2	60.8	54.9	54.2	58.7	48.1	40.0	43.8	44.4
57.5°	911.3	686.5	89.4	58.7	54.7	54.2	56.0	48.1	41.4	44.8	45.9
60°	981.8	753.1	108.3	55.5	55.8	52.9	55.8	52.0	45.7	54.2	55.2
62.5°	1067.3	844.6	147.6	58.5	56.6	53.6	55.5	55.2	47.5	51.8	52.9
65°	1189.5	946.6	170.9	68.9	59.0	56.0	55.5	59.8	53.1	50.5	50.7
67.5°	1273.3	983.7	165.7	77.7	64.9	57.7	60.1	64.4	56.9	57.4	57.2
70°	1258.1	917.8	144.1	82.0	68.7	59.2	64.9	64.0	59.8	68.1	67.5
72.5°	1102.4	743.9	122.3	75.3	67.5	59.8	65.9	65.7	64.9	81.7	81.7
75°	821.1	499.2	106.0	69.2	64.6	59.2	64.6	65.1	64.6	83.6	84.1
77.5°	403.0	249.3	89.9	62.2	59.8	60.6	63.8	64.0	63.3	81.2	81.2
80°	180.2	136.7	68.7	52.3	57.7	63.8	64.0	61.6	62.8	76.9	76.6
82.5°	124.9	98.3	44.8	45.9	64.6	69.2	65.4	60.3	59.5	70.3	69.2
85°	90.8	72.3	27.6	39.0	70.7	65.4	62.0	54.4	52.0	59.5	58.2
87.5°	73.1	57.7	16.8	32.6	64.6	57.4	51.6	44.8	41.6	45.9	43.8
90°	79.0	62.2	16.8	28.3	53.1	42.9	37.9	33.4	30.1	30.5	29.1
92.5°	85.1	66.2	17.9	23.5	39.3	24.8	25.3	23.3	18.5	16.5	15.0
95°	65.7	49.6	15.8	19.4	23.5	15.2	19.4	17.6	12.6	8.8	7.4
97.5°	29.1	23.5	14.1	15.6	16.5	12.6	16.5	14.1	7.4	4.3	3.8
100°	3.5	5.9	12.2	15.0	12.0	8.5	10.9	8.5	3.2	1.1	0.8
102.5°	3.8	2.6	5.4	13.3	7.0	2.6	3.2	3.2	1.3	0.5	0.5
105°	4.1	2.9	2.1	7.0	1.6	0.5	0.2	0.2	0.2	0.5	0.5
107.5°	3.8	2.6	1.3	1.1	0.8	0.5	0.0	0.0	0.0	0.5	0.8
110°	2.1	1.8	1.3	1.1	0.8	0.5	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°
112.5°	1.6	1.6	1.1	0.8	0.5	0.2	0.0	0.0	0.0	1.1	1.3
115°	1.8	1.6	1.1	0.8	0.5	0.2	0.0	0.0	0.0	1.3	1.6
117.5°	2.1	1.8	1.1	0.8	0.5	0.0	0.0	0.0	0.0	1.6	1.6
120°	2.1	1.8	1.1	0.8	0.2	0.0	0.0	0.0	0.0	1.3	1.6
122.5°	2.1	1.8	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.3	1.6
125°	1.8	1.8	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.3	1.3
127.5°	1.8	1.6	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.1	1.3
130°	1.6	1.6	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.8	1.1
132.5°	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.5
135°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)