

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: P414825

Luminaire Tested: **LXF.LXT-PA1-30-827-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2643 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

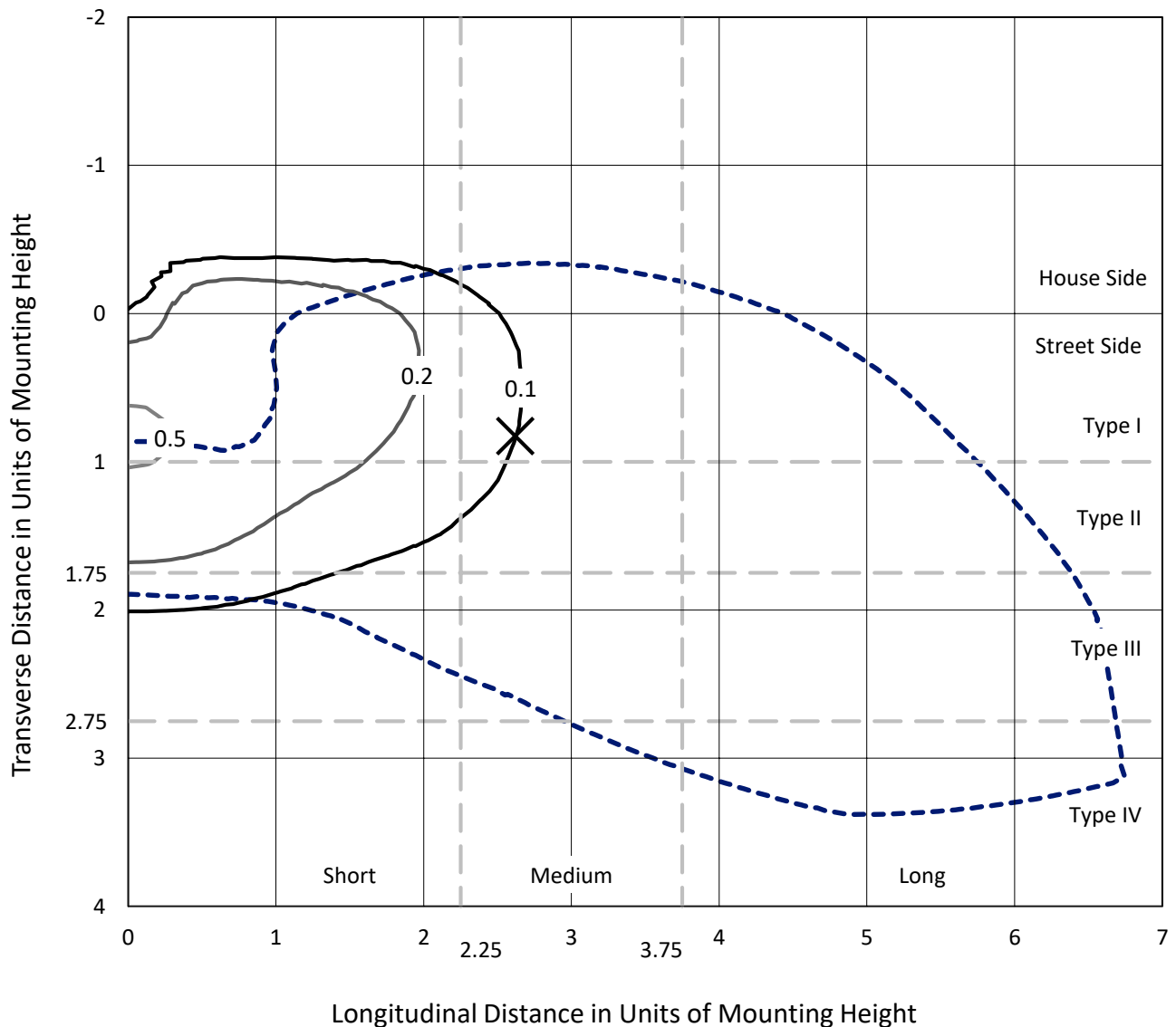
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

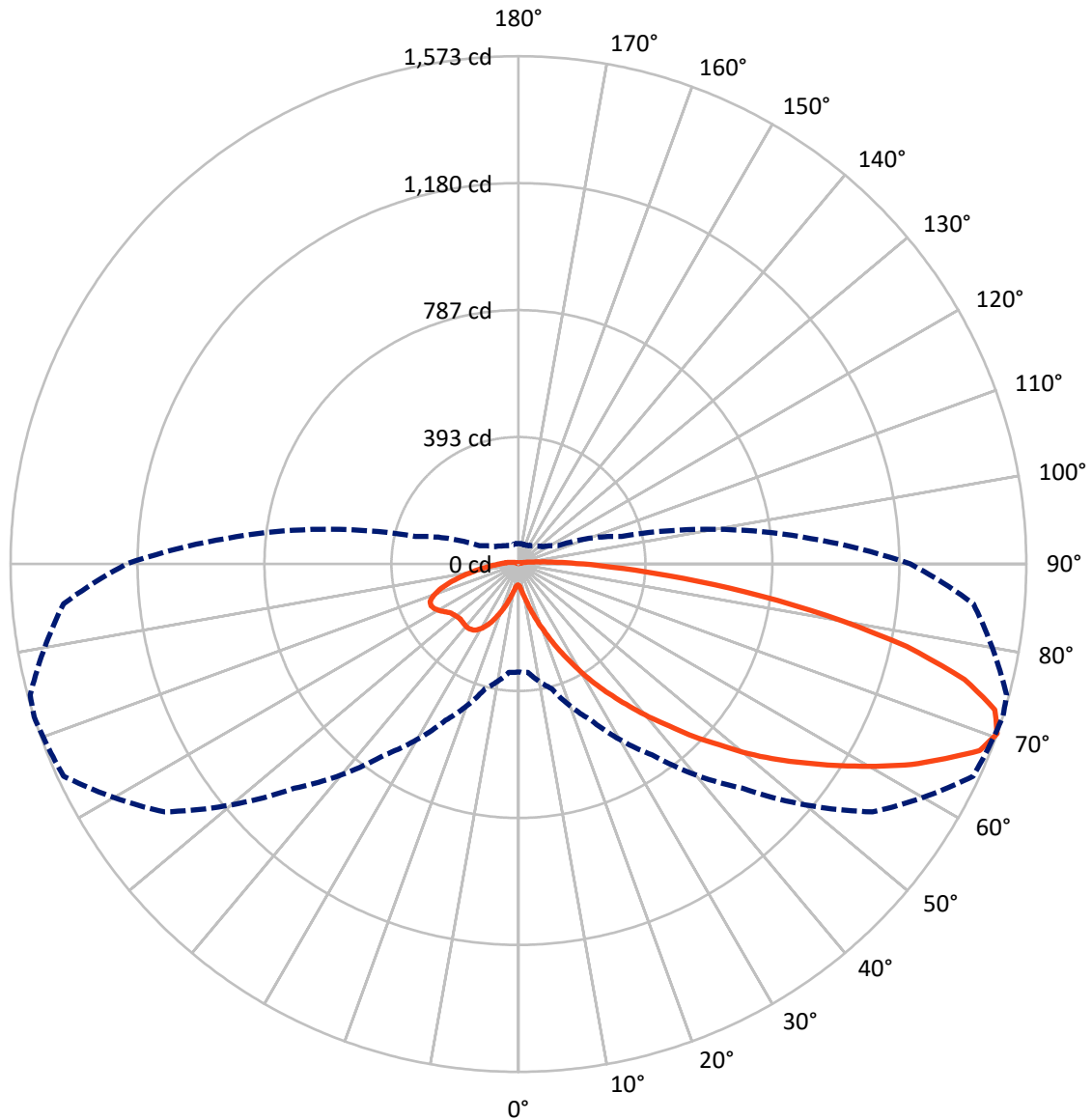
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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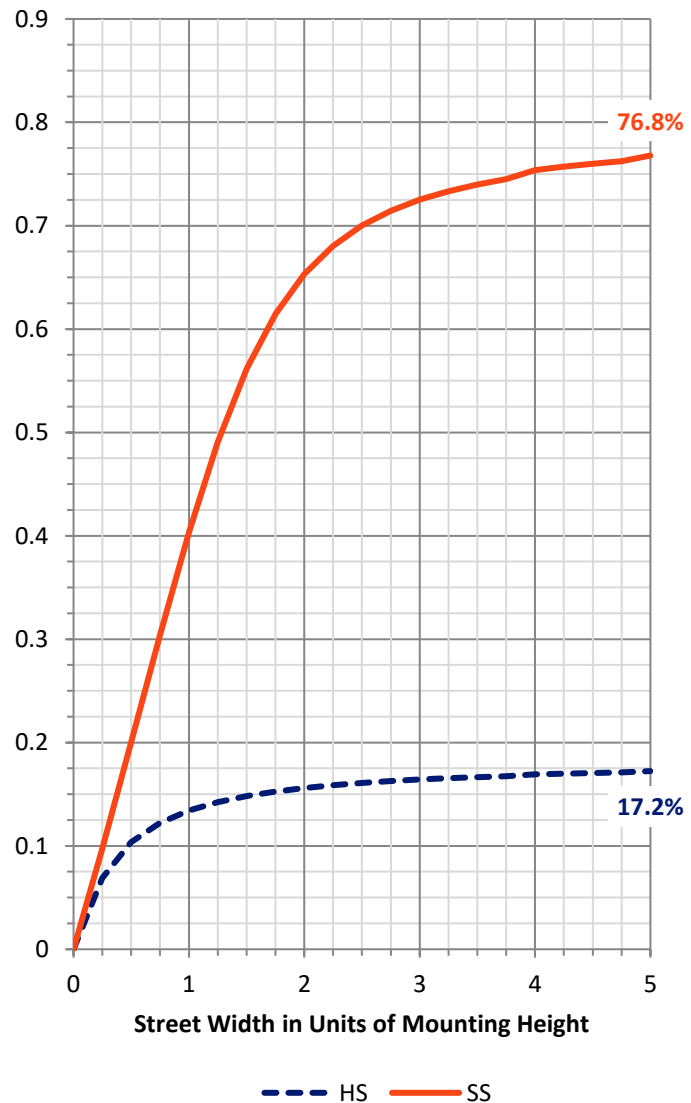
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.1	43.1	518.2
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	2075.0	49.8	2124.8
	% Fixture	78.5	1.9	80.4
Total	Lumens	2550.1	92.9	2643.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	35.8	1.4
20°-30°	99.9	3.8
30°-40°	207.0	7.8
40°-50°	357.5	13.5
50°-60°	528.0	20.0
60°-70°	623.2	23.6
70°-80°	494.6	18.7
80°-90°	196.6	7.4
90°-100°	52.0	2.0
100°-110°	20.1	0.8
110°-120°	9.8	0.4
120°-130°	5.5	0.2
130°-140°	3.3	0.1
140°-150°	1.5	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2550.1	96.5
0°-180°	2643.0	100.0



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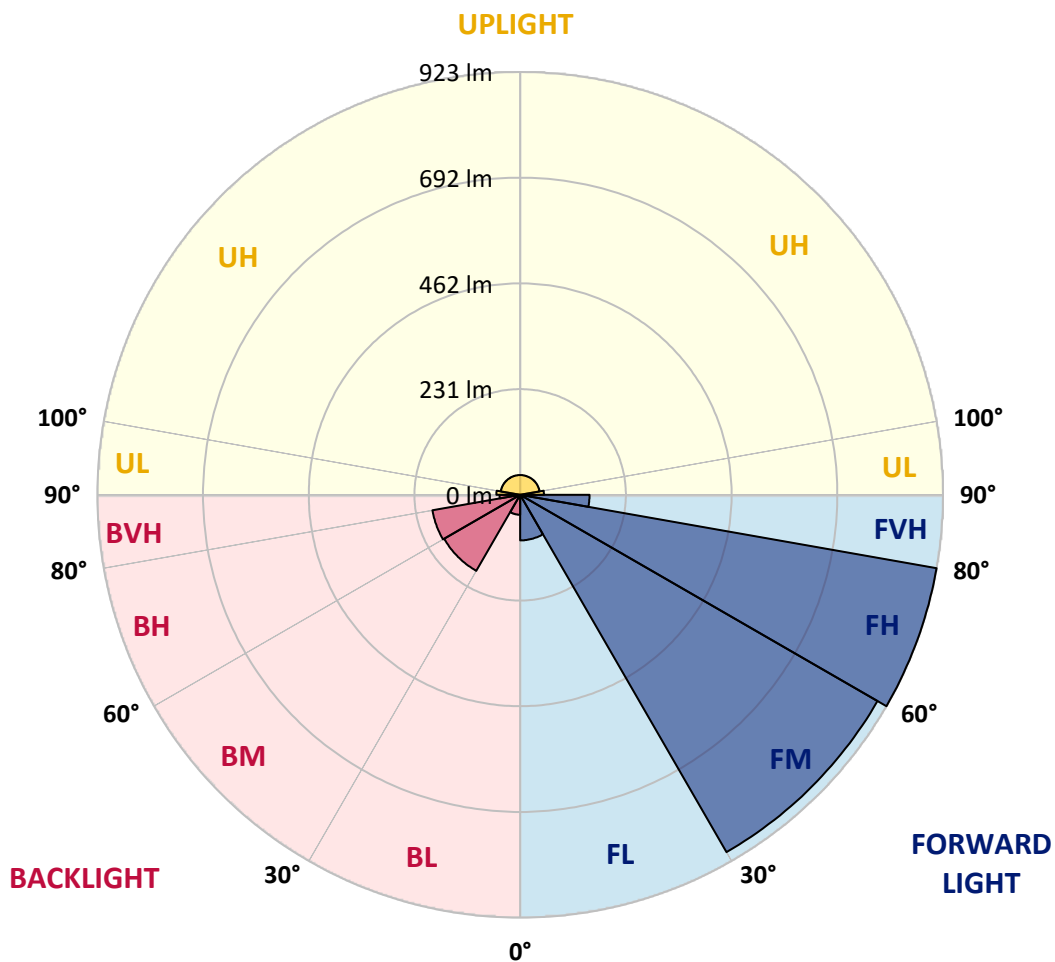
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.5	3.8			
FM (30°-60°)	900.9	34.1			
FH (60°-80°)	923.2	34.9			G1/1800
FVH (80°-90°)	151.4	5.7			G2/225
BL (0°-30°)	43.6	1.6	B0/110		
BM (30°-60°)	191.7	7.3	B0/220		
BH (60°-80°)	194.6	7.4	B1/500		G1/500
BVH (80°-90°)	45.2	1.7			G1/100
UL (90°-100°)	52.0	2.0		U3/500	
UH (100°-180°)	43.1	1.6		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°	72.5°	75°	85°
0°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	74.3	74.6	74.3	74.3	73.7	73.3	71.5	70.2	69.3	68.7	67.7
5°	86.1	86.7	86.4	86.4	84.8	83.9	81.7	79.2	77.4	77.1	74.3
7.5°	101.9	101.6	100.4	100.1	99.4	97.9	94.8	91.1	89.2	88.6	84.5
10°	121.5	120.0	120.6	118.4	117.2	114.7	111.9	109.1	105.3	105.3	99.8
12.5°	141.1	144.5	143.6	140.5	138.0	133.9	130.5	129.6	125.2	125.9	120.6
15°	173.1	172.8	170.0	167.8	162.8	157.9	154.8	152.6	151.3	150.4	144.5
17.5°	207.0	205.1	202.9	196.4	189.3	184.9	182.1	179.9	181.5	181.2	174.0
20°	246.1	244.0	240.8	229.0	219.7	212.9	211.3	213.8	214.7	217.2	210.1
22.5°	289.6	288.7	281.2	267.9	252.0	243.0	241.5	247.4	254.5	255.8	250.8
25°	341.8	340.6	330.3	311.1	290.3	276.6	276.6	285.9	297.7	300.5	298.0
27.5°	397.8	394.7	381.3	357.7	329.1	311.4	309.2	326.0	342.5	350.5	347.4
30°	462.1	461.5	439.4	410.5	376.3	348.1	347.1	371.7	395.0	398.7	399.3
32.5°	528.3	533.6	508.1	464.9	423.6	390.3	388.8	416.4	448.7	455.3	455.3
35°	604.7	605.1	573.7	530.8	474.2	436.3	432.0	464.9	501.0	510.0	514.9
37.5°	681.8	680.0	651.7	592.6	529.2	483.6	479.5	518.4	559.4	574.0	573.1
40°	757.6	762.9	727.2	661.9	585.5	539.2	529.2	574.9	622.2	638.6	632.1
42.5°	839.4	838.1	806.1	733.4	648.3	592.9	587.0	634.3	686.8	705.4	699.5
45°	910.9	910.2	875.4	802.7	708.2	655.1	647.0	697.0	762.9	780.3	768.2
47.5°	976.7	975.2	939.1	865.2	760.8	714.5	715.1	766.3	836.3	864.9	846.2
50°	1027.7	1022.4	999.7	919.9	817.6	776.9	788.7	849.0	923.6	949.4	929.2
52.5°	1055.0	1047.0	1029.3	958.1	871.4	838.8	861.4	932.9	1006.6	1031.1	1009.1
55°	1042.0	1042.0	1032.1	981.4	909.6	895.3	941.0	1013.1	1089.9	1116.9	1097.3
57.5°	989.5	997.6	1002.2	975.2	936.0	951.3	1023.7	1104.5	1178.1	1207.9	1182.2
60°	897.5	899.7	933.9	941.6	946.6	998.8	1109.4	1205.8	1272.0	1295.6	1266.4
62.5°	767.3	777.5	819.2	876.7	931.1	1038.3	1199.6	1307.7	1367.4	1383.2	1340.6
65°	622.5	620.0	697.0	783.1	888.2	1049.8	1272.3	1406.5	1452.8	1474.0	1400.0
67.5°	472.1	470.5	541.7	667.8	815.4	1037.6	1331.3	1490.4	1541.4	1542.0	1437.3
70°	334.7	337.2	400.3	534.2	721.6	982.3	1338.5	1554.4	1573.1	1565.6	1414.6
72.5°	227.2	229.0	289.0	409.3	597.3	892.8	1278.8	1547.6	1543.3	1522.4	1321.4
75°	146.4	158.8	203.2	311.1	483.6	763.9	1162.9	1449.7	1427.0	1392.5	1159.5
77.5°	101.0	107.2	141.4	226.5	377.9	630.9	998.5	1253.0	1229.4	1187.1	934.8
80°	68.4	71.2	97.3	169.4	297.4	496.0	813.6	1008.7	968.0	924.5	701.1
82.5°	45.7	51.0	69.9	121.5	225.0	382.9	618.7	770.4	705.7	668.1	492.6
85°	30.5	33.3	49.7	88.3	162.8	278.8	445.3	523.3	466.5	433.2	314.8
87.5°	20.5	23.0	35.4	63.1	120.6	202.6	298.3	338.1	292.4	271.6	190.5
90°	13.7	15.2	26.1	45.4	85.1	141.4	201.4	208.8	179.3	166.6	116.5
92.5°	9.6	11.2	19.6	33.6	59.7	98.2	129.3	126.5	105.7	99.4	75.2
95°	7.5	8.7	15.2	25.8	43.5	67.4	84.2	77.1	66.8	64.6	51.9
97.5°	6.5	7.1	12.7	20.8	32.9	47.9	54.7	52.2	45.1	43.8	37.9
100°	5.9	6.5	11.2	18.0	26.4	35.1	39.2	36.4	32.6	31.7	28.0
102.5°	5.6	5.9	9.9	15.5	21.8	27.7	30.1	27.0	24.2	23.9	21.4
105°	5.3	5.6	8.7	13.4	18.3	22.7	23.6	21.1	19.0	18.0	16.2
107.5°	5.0	5.0	7.8	11.8	15.8	19.0	19.6	17.1	14.6	14.0	12.7
110°	4.7	5.0	7.1	10.6	14.0	16.5	16.5	14.0	11.5	10.9	10.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.7	4.7	6.5	9.3	12.4	14.3	14.0	11.5	9.3	8.4	8.4
115°	4.4	4.7	6.2	8.7	11.2	12.4	11.8	9.6	7.5	6.8	7.1
117.5°	4.4	4.7	5.6	7.8	9.9	10.9	10.3	8.1	6.2	5.9	6.5
120°	4.4	4.7	5.6	7.1	8.7	9.6	9.0	6.8	5.6	5.3	5.9
122.5°	4.7	4.7	5.3	6.5	8.1	8.7	7.8	5.9	5.0	4.7	5.3
125°	4.7	4.7	5.3	6.2	7.5	7.8	6.8	5.3	4.4	4.4	5.0
127.5°	4.7	4.7	5.3	5.9	6.8	6.8	6.2	4.7	4.0	4.0	4.7
130°	4.7	4.7	5.0	5.6	6.2	6.2	5.3	4.0	3.7	3.7	4.4
132.5°	5.0	5.0	5.0	5.3	5.6	5.6	4.7	3.7	3.4	3.4	4.4
135°	4.7	4.7	4.7	5.0	5.0	5.0	4.0	3.4	3.1	3.4	4.0
137.5°	4.4	4.4	4.7	4.7	4.7	4.4	3.4	2.8	2.8	3.1	3.7
140°	4.4	4.0	4.4	4.4	4.0	3.7	3.1	2.5	2.5	2.8	3.1
142.5°	3.7	3.7	3.7	3.7	3.4	3.1	2.5	2.2	2.5	2.5	2.8
145°	3.4	3.4	3.4	3.1	3.1	2.5	1.9	1.9	1.9	2.2	2.5
147.5°	2.8	2.8	2.8	2.8	2.5	2.2	1.2	1.6	1.6	1.6	1.9
150°	2.2	2.2	2.5	2.2	1.9	1.6	0.9	1.2	1.6	1.6	1.6
152.5°	1.9	1.9	1.9	1.9	1.6	0.9	0.9	1.2	1.2	1.2	1.6
155°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.6	0.6	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
160°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
162.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
165°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
167.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
170°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
172.5°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
175°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
177.5°	0.0	0.3	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.9
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	67.1	66.5	65.3	64.0	63.1	62.2	61.5	60.6	60.0	60.0	60.0
5°	72.4	71.8	68.7	65.6	62.8	60.3	58.4	56.2	55.3	54.4	54.7
7.5°	83.0	80.8	75.8	70.5	65.9	60.9	57.2	54.1	52.2	51.0	51.0
10°	97.3	93.9	86.4	78.3	70.5	63.4	57.8	53.5	50.3	49.1	49.1
12.5°	115.6	112.2	100.7	88.6	76.8	66.5	59.4	53.8	50.3	48.8	48.8
15°	140.2	134.3	118.7	101.3	84.2	70.2	60.9	56.2	54.1	53.1	53.1
17.5°	169.4	160.7	140.5	114.4	91.7	74.0	65.0	60.6	58.7	58.4	58.4
20°	203.6	192.7	162.2	127.4	97.6	78.6	68.4	64.6	64.0	64.3	64.3
22.5°	242.4	226.5	184.6	139.2	103.2	81.4	70.9	67.7	68.4	69.9	69.6
25°	283.4	266.6	209.1	149.8	106.9	82.7	72.4	70.5	73.0	74.9	74.9
27.5°	331.3	305.2	231.5	157.2	107.8	81.7	72.7	71.8	75.2	78.0	78.6
30°	380.1	346.5	250.8	161.9	106.0	79.6	71.5	72.1	76.1	79.9	80.2
32.5°	429.5	385.7	266.6	162.8	102.9	76.8	70.2	71.5	75.8	79.9	80.5
35°	478.6	422.3	277.2	159.4	97.9	74.0	68.1	70.2	74.6	79.2	79.9
37.5°	526.7	457.1	283.7	153.8	92.9	71.5	66.5	68.7	73.0	78.3	78.9
40°	579.3	494.4	287.5	147.3	87.9	69.3	65.6	67.7	72.1	77.1	78.0
42.5°	627.4	528.6	287.8	139.2	84.2	68.4	65.0	66.8	70.9	76.1	77.1
45°	690.2	563.7	287.8	132.4	81.7	68.1	65.0	66.5	70.2	75.8	77.1
47.5°	749.6	604.1	288.4	126.5	80.5	68.7	65.6	66.2	69.3	75.8	77.1
50°	818.6	643.0	293.4	122.1	80.2	69.9	66.5	65.9	68.4	75.2	76.8
52.5°	887.2	694.3	299.6	119.0	80.8	71.2	67.1	65.9	67.4	73.7	75.5
55°	962.4	743.0	306.4	119.3	82.0	72.4	68.1	65.6	66.2	71.2	73.0
57.5°	1037.6	800.2	321.3	121.2	83.6	74.0	69.0	65.6	64.6	68.4	69.9
60°	1103.5	850.6	336.9	125.2	85.8	75.5	69.6	65.3	63.4	65.6	66.8
62.5°	1173.1	905.6	349.3	128.7	88.3	76.8	69.6	65.0	62.5	64.0	64.6
65°	1218.5	938.2	355.8	133.0	90.7	77.7	69.9	64.3	62.2	63.1	63.7
67.5°	1241.8	943.5	351.5	134.6	92.9	78.3	69.6	63.7	62.5	63.1	63.7
70°	1214.2	908.4	330.7	133.6	93.5	78.3	69.0	63.1	62.5	63.4	63.7
72.5°	1114.1	823.8	299.9	129.0	92.6	77.1	68.1	62.2	62.2	63.7	63.7
75°	959.3	702.3	259.5	121.8	90.1	75.2	66.2	60.6	61.2	63.4	63.4
77.5°	768.2	555.6	213.8	111.6	85.5	72.1	63.7	58.4	60.0	62.5	62.2
80°	571.8	413.9	172.2	100.1	79.2	67.7	60.3	55.9	58.1	60.3	59.7
82.5°	381.0	290.6	136.1	87.9	72.7	63.4	56.6	52.5	55.3	57.5	56.6
85°	247.4	193.6	105.3	75.8	65.9	58.4	51.9	48.8	51.6	53.5	52.5
87.5°	154.1	129.9	80.2	64.6	58.7	52.8	47.9	44.4	47.2	49.1	47.9
90°	101.9	87.0	63.1	55.9	52.2	47.5	42.9	40.4	43.2	43.8	42.9
92.5°	67.1	61.5	51.3	47.9	46.0	42.3	38.8	36.7	38.8	39.2	38.5
95°	48.2	46.6	42.3	41.6	40.7	37.6	34.8	32.9	34.2	34.5	33.3
97.5°	36.7	36.4	36.0	36.0	35.4	33.3	30.8	29.2	29.8	29.5	28.6
100°	28.6	29.2	30.1	30.8	30.5	28.9	27.0	25.8	26.1	24.9	23.9
102.5°	22.4	23.6	25.2	26.1	26.1	24.9	23.9	22.7	21.8	20.2	19.9
105°	17.7	18.6	20.8	22.4	22.4	21.8	20.8	19.3	18.3	16.5	16.5
107.5°	14.0	15.2	17.7	19.0	19.3	18.6	18.0	16.8	15.2	13.4	13.4
110°	11.2	12.1	14.9	16.2	16.5	16.2	15.5	14.0	12.4	11.2	11.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	10.3	12.4	13.7	14.3	14.0	13.4	11.8	10.3	9.3	9.3
115°	8.1	9.0	10.6	11.8	12.1	12.1	11.2	10.3	8.4	8.1	8.1
117.5°	7.1	7.8	9.3	10.3	10.9	10.6	9.6	8.7	7.5	7.1	7.1
120°	6.5	7.1	8.4	9.3	9.3	9.0	8.4	7.5	6.5	6.2	6.5
122.5°	5.9	6.5	7.5	8.1	8.1	8.1	7.5	6.5	5.6	5.6	5.9
125°	5.6	5.9	6.8	7.1	7.5	7.1	6.5	5.6	5.0	5.3	5.3
127.5°	5.3	5.6	6.2	6.5	6.5	6.2	5.6	5.0	4.4	4.7	5.0
130°	5.0	5.3	5.6	5.9	5.9	5.6	5.0	4.4	4.0	4.4	4.4
132.5°	4.4	4.7	5.0	5.3	5.0	5.0	4.4	3.7	3.7	4.0	4.0
135°	4.0	4.4	4.4	4.7	4.4	4.4	3.7	3.4	3.4	3.7	3.7
137.5°	3.7	4.0	4.0	4.0	3.7	3.7	3.4	3.1	3.1	3.1	3.4
140°	3.4	3.4	3.4	3.4	3.1	3.1	2.8	2.5	2.8	2.8	2.8
142.5°	3.1	3.1	3.1	2.8	2.8	2.5	2.2	2.2	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.2	2.2	1.9	1.9	1.9	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	1.9	1.6	1.6	1.6	1.6	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.6	1.2	1.2	0.9	1.2	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.2	0.6	0.9	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.6	1.2	0.9	0.3	0.6	0.9	0.9	0.9	0.9
157.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.6	0.6	0.9	0.6	0.9
160°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
162.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.3	0.3	0.3
165°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)