

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: P694769

Luminaire Tested: **LXF.LXT-PA16-30-727-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 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: 2868 lumens
Efficiency: N/A
Efficacy: 98.2 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

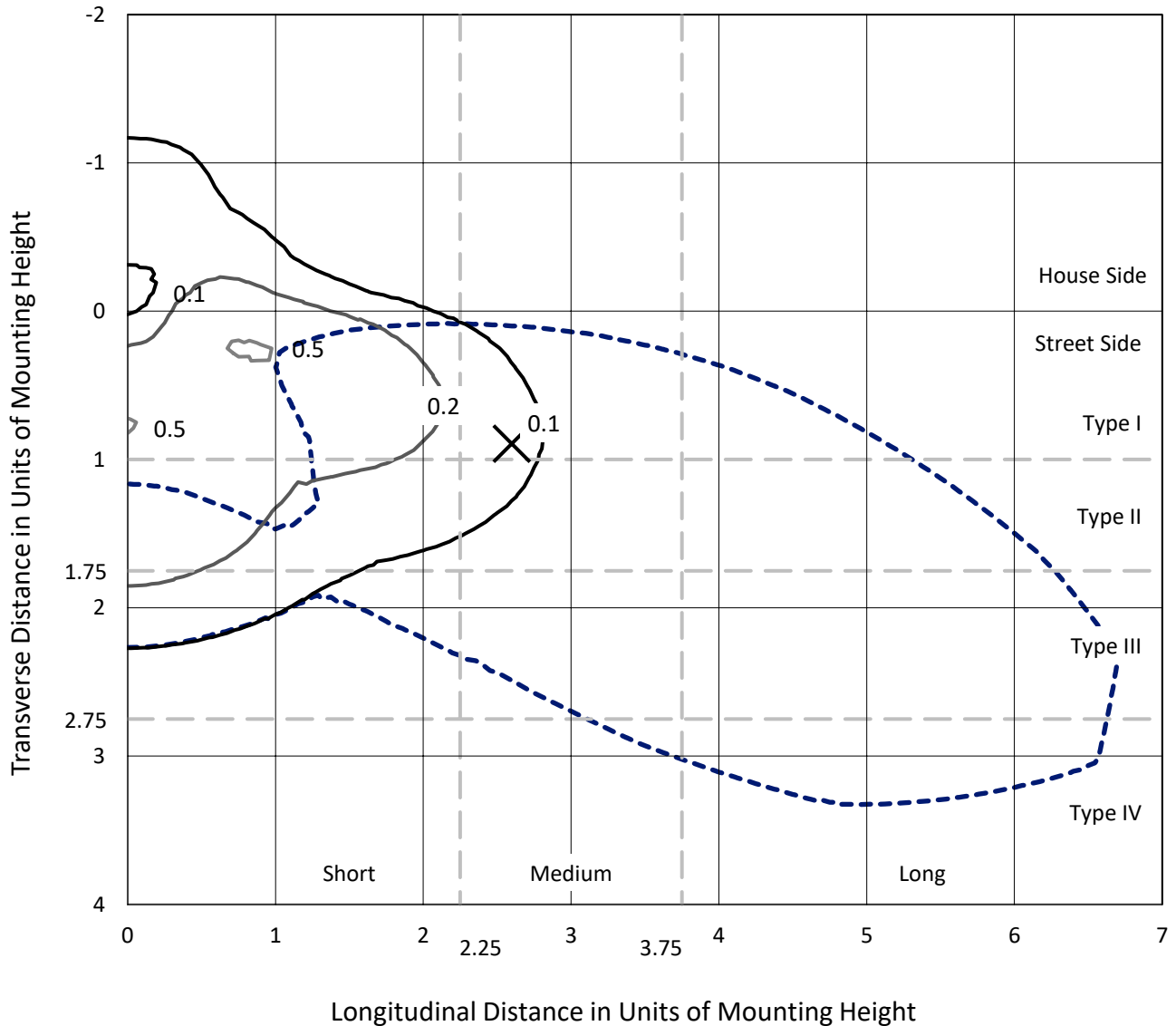
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

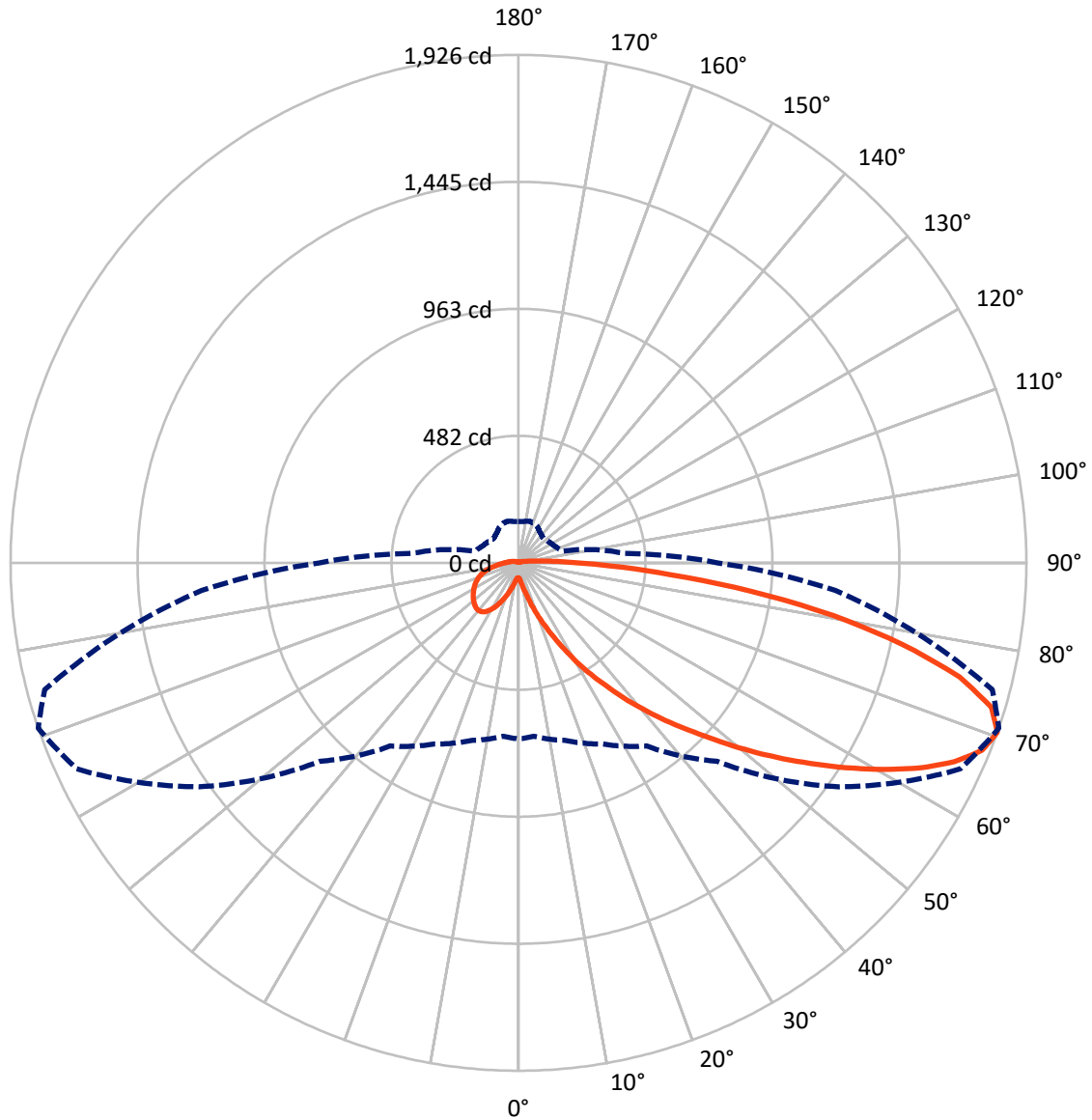
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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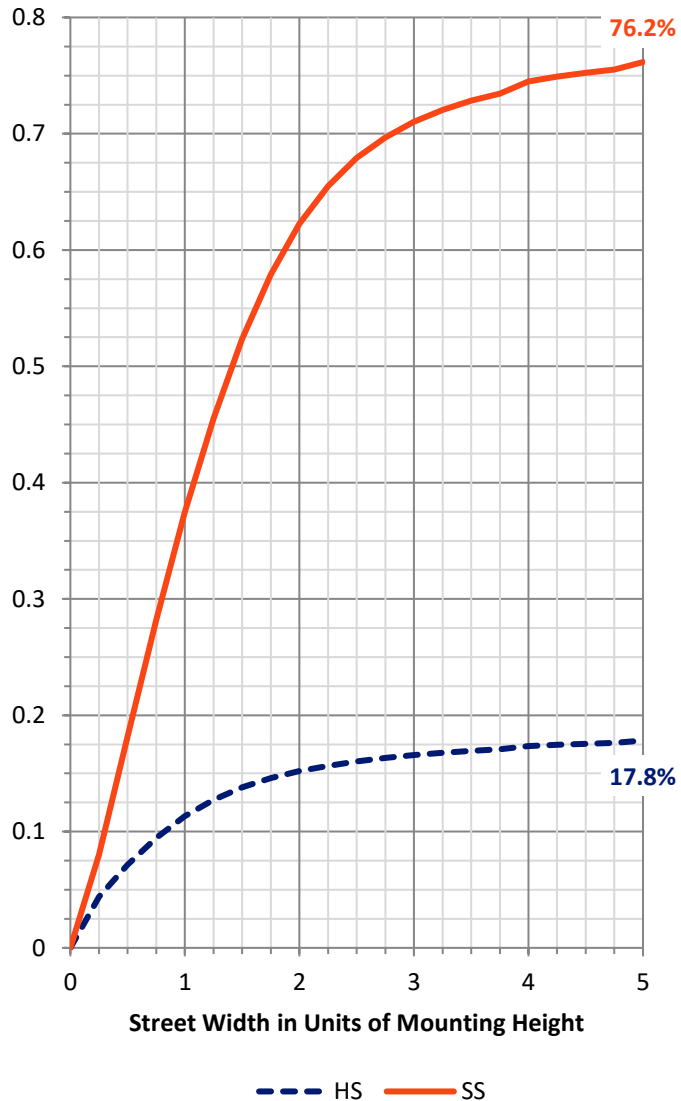
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	535.8	46.0	581.8
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	2236.1	50.1	2286.2
	% Fixture	78.0	1.7	79.7
Total	Lumens	2771.9	96.1	2868.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	33.5	1.2
20°-30°	103.1	3.6
30°-40°	223.8	7.8
40°-50°	373.7	13.0
50°-60°	553.6	19.3
60°-70°	696.7	24.3
70°-80°	559.8	19.5
80°-90°	221.2	7.7
90°-100°	53.3	1.9
100°-110°	21.0	0.7
110°-120°	10.4	0.4
120°-130°	5.9	0.2
130°-140°	3.6	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2771.9	96.6
0°-180°	2868.0	100.0

Coefficient of Utilization



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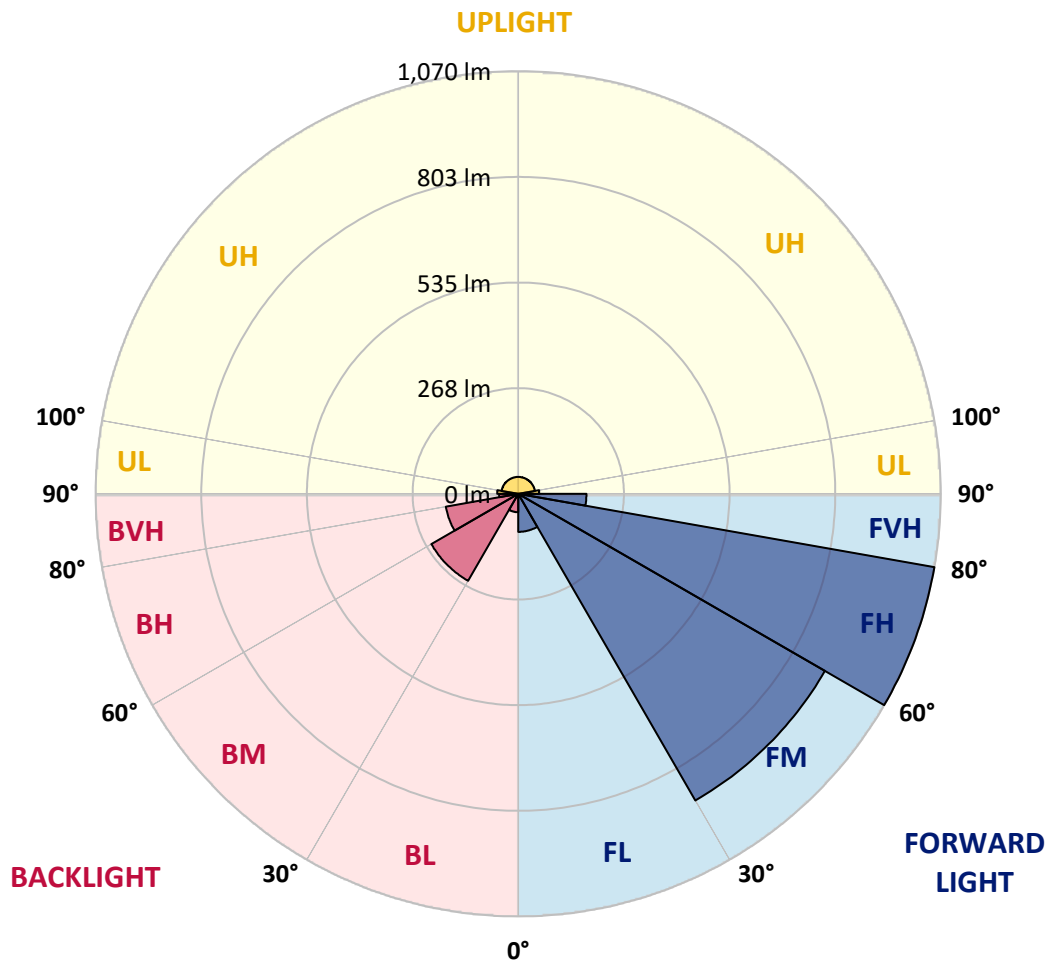
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.4	3.4			
FM (30°-60°)	896.8	31.3			
FH (60°-80°)	1070.2	37.3			G1/1800
FVH (80°-90°)	172.7	6.0			G2/225
BL (0°-30°)	46.7	1.6	B0/110		
BM (30°-60°)	254.3	8.9	B1/1000		
BH (60°-80°)	186.3	6.5	B1/500		G1/500
BVH (80°-90°)	48.5	1.7			G1/100
UL (90°-100°)	53.3	1.9		U3/500	
UH (100°-180°)	42.8	1.5		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°	71°	75°	85°
0°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2.5°	63.1	63.1	63.1	63.1	63.1	62.0	60.9	60.9	59.9	59.9	58.8
5°	75.1	75.1	74.0	74.0	72.9	71.8	70.7	68.6	67.5	66.4	64.2
7.5°	89.2	88.1	87.1	87.1	87.1	84.9	82.7	80.5	78.3	76.2	72.9
10°	106.6	105.6	105.6	104.5	103.4	102.3	100.1	96.8	93.6	92.5	87.1
12.5°	127.3	126.2	127.3	126.2	123.0	123.0	121.9	117.5	115.3	113.2	105.6
15°	153.4	153.4	153.4	150.2	149.1	146.9	148.0	144.7	142.6	140.4	130.6
17.5°	186.1	186.1	183.9	180.6	176.3	176.3	177.4	177.4	178.5	171.9	158.9
20°	223.1	226.3	219.8	213.3	207.8	208.9	211.1	217.6	217.6	211.1	195.9
22.5°	271.0	267.7	264.4	251.4	242.7	240.5	249.2	260.1	261.2	260.1	236.1
25°	321.0	319.9	309.0	294.9	279.7	277.5	291.6	309.0	313.4	311.2	282.9
27.5°	374.3	374.3	363.5	338.4	316.7	313.4	330.8	361.3	371.1	372.2	333.0
30°	444.0	437.5	422.2	388.5	360.2	350.4	375.4	419.0	436.4	437.5	387.4
32.5°	503.8	503.8	482.1	444.0	402.6	386.3	416.8	481.0	503.8	501.7	440.7
35°	571.3	565.9	541.9	495.1	444.0	423.3	460.3	543.0	572.4	572.4	491.9
37.5°	633.3	626.8	605.0	549.5	486.4	459.2	506.0	605.0	651.8	651.8	537.6
40°	694.3	693.2	666.0	602.9	531.0	494.0	550.6	675.8	731.3	726.9	585.4
42.5°	762.8	758.5	725.8	658.4	574.6	532.1	597.4	749.8	817.2	810.7	631.2
45°	835.7	825.9	788.9	716.0	614.8	571.3	646.4	822.7	904.3	906.5	682.3
47.5°	902.1	899.9	861.8	775.9	667.1	612.7	699.7	914.1	1002.2	996.8	730.2
50°	978.3	973.9	928.2	834.6	714.9	660.5	759.6	1004.4	1112.1	1106.7	793.3
52.5°	1053.4	1044.7	996.8	896.7	770.4	712.8	827.0	1103.4	1225.3	1213.3	856.4
55°	1117.6	1114.3	1053.4	958.7	831.4	768.3	907.6	1212.2	1342.8	1337.4	925.0
57.5°	1169.8	1163.3	1106.7	1013.1	886.9	843.3	1001.1	1321.1	1465.8	1452.7	997.9
60°	1186.1	1179.6	1123.0	1050.1	939.1	920.6	1106.7	1442.9	1590.9	1573.5	1070.8
62.5°	1151.3	1144.8	1100.2	1053.4	977.2	994.6	1223.1	1572.4	1712.8	1695.4	1141.5
65°	1038.1	1034.9	1017.5	1008.8	983.7	1052.3	1347.2	1686.7	1817.3	1787.9	1199.2
67.5°	868.4	872.7	874.9	907.6	943.5	1084.9	1434.2	1791.2	1896.7	1855.4	1218.8
70°	668.1	660.5	697.5	758.5	847.7	1064.3	1481.0	1848.8	1926.1	1859.7	1205.7
72.5°	475.5	476.6	518.0	598.5	725.8	996.8	1472.3	1828.2	1875.0	1797.7	1143.7
75°	328.6	326.5	358.0	437.5	578.9	870.6	1366.8	1731.3	1727.0	1649.7	1010.9
77.5°	220.9	227.4	250.3	310.1	439.6	725.8	1203.5	1503.9	1488.6	1391.8	852.1
80°	155.6	153.4	177.4	222.0	306.9	563.7	976.1	1228.6	1210.1	1093.6	664.9
82.5°	104.5	109.9	125.1	153.4	219.8	415.7	740.0	909.7	889.1	794.4	465.7
85°	68.6	70.7	84.9	107.7	152.3	286.2	506.0	613.7	576.7	518.0	304.7
87.5°	43.5	45.7	56.6	74.0	105.6	192.6	336.3	378.7	350.4	326.5	185.0
90°	26.1	28.3	37.0	51.1	72.9	129.5	203.5	219.8	195.9	178.5	112.1
92.5°	18.5	19.6	26.1	37.0	53.3	87.1	126.2	126.2	115.3	99.0	70.7
95°	13.1	14.1	19.6	28.3	40.3	59.9	79.4	75.1	66.4	62.0	47.9
97.5°	10.9	10.9	16.3	22.9	32.6	45.7	52.2	47.9	44.6	41.4	35.9
100°	8.7	9.8	14.1	19.6	27.2	34.8	38.1	34.8	31.6	30.5	27.2
102.5°	7.6	8.7	12.0	17.4	22.9	28.3	29.4	26.1	25.0	22.9	20.7
105°	6.5	7.6	9.8	15.2	19.6	23.9	23.9	21.8	19.6	18.5	16.3
107.5°	6.5	6.5	8.7	13.1	17.4	19.6	20.7	17.4	15.2	14.1	13.1
110°	5.4	5.4	7.6	10.9	15.2	17.4	17.4	14.1	12.0	10.9	9.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	5.4	5.4	7.6	9.8	13.1	15.2	14.1	12.0	9.8	8.7	8.7
115°	5.4	5.4	6.5	8.7	12.0	13.1	12.0	9.8	8.7	7.6	7.6
117.5°	4.4	5.4	6.5	8.7	10.9	12.0	10.9	8.7	7.6	6.5	6.5
120°	4.4	4.4	5.4	7.6	8.7	9.8	9.8	7.6	6.5	5.4	6.5
122.5°	4.4	4.4	5.4	6.5	8.7	8.7	8.7	6.5	5.4	5.4	5.4
125°	4.4	4.4	5.4	6.5	7.6	7.6	7.6	5.4	5.4	4.4	5.4
127.5°	4.4	4.4	4.4	5.4	6.5	7.6	6.5	5.4	4.4	4.4	5.4
130°	4.4	4.4	4.4	5.4	6.5	6.5	5.4	4.4	4.4	4.4	4.4
132.5°	4.4	4.4	4.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	5.4	5.4	4.4	4.4	3.3	3.3	4.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4
140°	4.4	3.3	3.3	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	2.2	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°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2.5°	57.7	57.7	56.6	55.5	54.4	53.3	53.3	53.3	53.3	52.2	52.2
5°	62.0	60.9	58.8	56.6	54.4	52.2	51.1	50.1	49.0	49.0	47.9
7.5°	70.7	68.6	64.2	59.9	56.6	53.3	51.1	49.0	47.9	46.8	46.8
10°	83.8	80.5	72.9	66.4	60.9	55.5	52.2	50.1	49.0	47.9	47.9
12.5°	100.1	95.8	84.9	75.1	66.4	59.9	56.6	53.3	52.2	51.1	51.1
15°	124.1	115.3	101.2	87.1	75.1	66.4	62.0	60.9	59.9	59.9	59.9
17.5°	150.2	140.4	118.6	99.0	83.8	75.1	70.7	69.6	70.7	70.7	70.7
20°	181.7	167.6	138.2	113.2	94.7	86.0	82.7	81.6	83.8	84.9	86.0
22.5°	218.7	197.0	157.8	127.3	107.7	97.9	93.6	94.7	97.9	101.2	101.2
25°	260.1	232.9	179.6	141.5	120.8	109.9	106.6	111.0	115.3	119.7	120.8
27.5°	300.3	265.5	201.3	156.7	133.8	120.8	120.8	125.1	136.0	140.4	142.6
30°	342.8	296.0	218.7	171.9	146.9	132.8	133.8	143.6	155.6	162.1	164.3
32.5°	380.9	324.3	232.9	185.0	157.8	144.7	145.8	158.9	175.2	183.9	185.0
35°	419.0	345.0	244.8	197.0	167.6	153.4	157.8	175.2	192.6	202.4	203.5
37.5°	447.2	361.3	250.3	204.6	176.3	160.0	166.5	188.3	207.8	216.6	217.6
40°	473.4	371.1	252.5	210.0	181.7	166.5	174.1	199.1	218.7	227.4	227.4
42.5°	493.0	374.3	251.4	212.2	186.1	169.8	179.6	206.8	226.3	232.9	234.0
45°	513.6	377.6	247.0	212.2	187.2	171.9	181.7	210.0	229.6	234.0	234.0
47.5°	535.4	379.8	241.6	210.0	186.1	171.9	183.9	212.2	229.6	231.8	231.8
50°	565.9	385.2	235.0	205.7	183.9	170.8	183.9	212.2	227.4	225.3	225.3
52.5°	594.2	392.8	228.5	201.3	180.6	168.7	182.8	211.1	223.1	217.6	217.6
55°	629.0	398.3	220.9	194.8	176.3	165.4	179.6	206.8	216.6	210.0	208.9
57.5°	668.1	409.2	214.4	187.2	170.8	162.1	176.3	202.4	210.0	200.2	199.1
60°	708.4	417.9	206.8	180.6	165.4	156.7	170.8	195.9	201.3	191.5	190.4
62.5°	738.9	425.5	199.1	174.1	160.0	151.3	165.4	188.3	192.6	182.8	181.7
65°	765.0	428.7	190.4	166.5	153.4	145.8	158.9	179.6	182.8	174.1	173.0
67.5°	771.5	422.2	179.6	157.8	145.8	139.3	150.2	169.8	174.1	166.5	164.3
70°	755.2	404.8	169.8	150.2	139.3	131.7	141.5	158.9	163.2	156.7	156.7
72.5°	706.2	375.4	157.8	140.4	130.6	123.0	131.7	146.9	152.3	149.1	146.9
75°	630.1	330.8	143.6	130.6	120.8	114.3	120.8	134.9	140.4	139.3	139.3
77.5°	521.2	281.8	128.4	117.5	111.0	104.5	111.0	121.9	128.4	129.5	128.4
80°	401.5	223.1	111.0	104.5	100.1	94.7	100.1	109.9	115.3	117.5	116.4
82.5°	289.5	169.8	93.6	91.4	88.1	86.0	88.1	95.8	103.4	104.5	104.5
85°	200.2	123.0	78.3	78.3	76.2	75.1	77.3	82.7	88.1	90.3	90.3
87.5°	129.5	88.1	63.1	65.3	66.4	65.3	66.4	68.6	74.0	76.2	75.1
90°	84.9	63.1	52.2	54.4	56.6	56.6	55.5	56.6	62.0	63.1	63.1
92.5°	56.6	47.9	44.6	45.7	47.9	49.0	47.9	47.9	51.1	52.2	51.1
95°	42.4	39.2	38.1	39.2	41.4	41.4	41.4	40.3	42.4	43.5	42.4
97.5°	32.6	31.6	32.6	33.7	35.9	35.9	35.9	34.8	35.9	35.9	34.8
100°	26.1	26.1	28.3	29.4	30.5	30.5	30.5	30.5	30.5	28.3	28.3
102.5°	20.7	21.8	23.9	26.1	26.1	27.2	26.1	26.1	25.0	23.9	22.9
105°	17.4	17.4	20.7	21.8	22.9	22.9	22.9	21.8	20.7	18.5	18.5
107.5°	13.1	14.1	17.4	18.5	19.6	19.6	19.6	18.5	17.4	15.2	15.2
110°	10.9	12.0	14.1	16.3	17.4	17.4	17.4	16.3	14.1	12.0	12.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	9.8	12.0	14.1	14.1	15.2	15.2	14.1	12.0	9.8	10.9
115°	7.6	8.7	10.9	12.0	13.1	13.1	13.1	12.0	9.8	8.7	8.7
117.5°	7.6	7.6	9.8	10.9	10.9	12.0	10.9	9.8	8.7	7.6	7.6
120°	6.5	7.6	8.7	9.8	9.8	9.8	9.8	8.7	7.6	7.6	7.6
122.5°	6.5	6.5	7.6	8.7	8.7	8.7	8.7	7.6	6.5	6.5	6.5
125°	5.4	6.5	6.5	7.6	7.6	7.6	7.6	6.5	6.5	6.5	6.5
127.5°	5.4	5.4	6.5	6.5	6.5	6.5	6.5	6.5	5.4	5.4	5.4
130°	5.4	5.4	5.4	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4
132.5°	4.4	4.4	5.4	5.4	5.4	5.4	5.4	5.4	4.4	5.4	5.4
135°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	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

(END OF REPORT)