

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: P695083

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4032 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

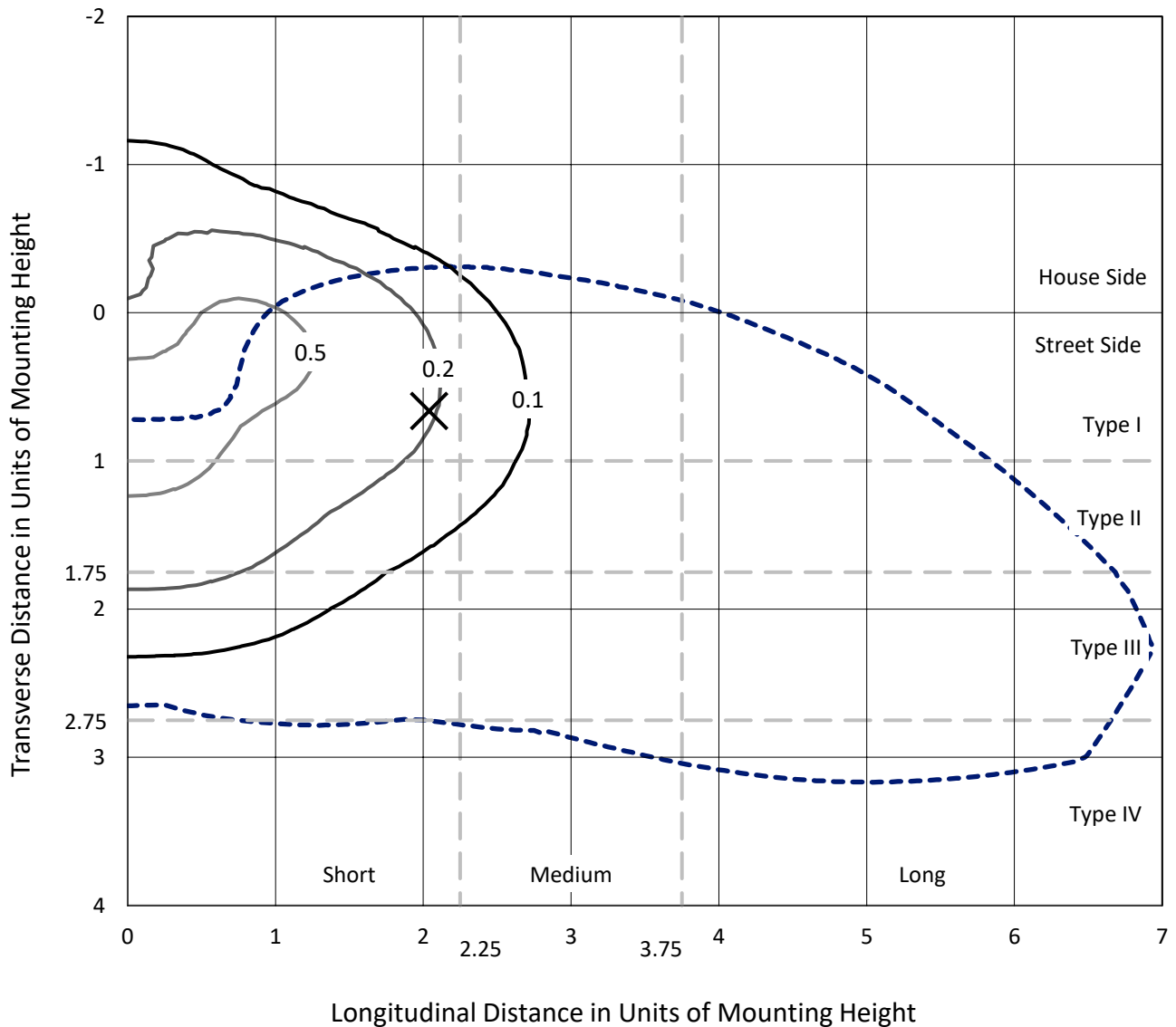
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

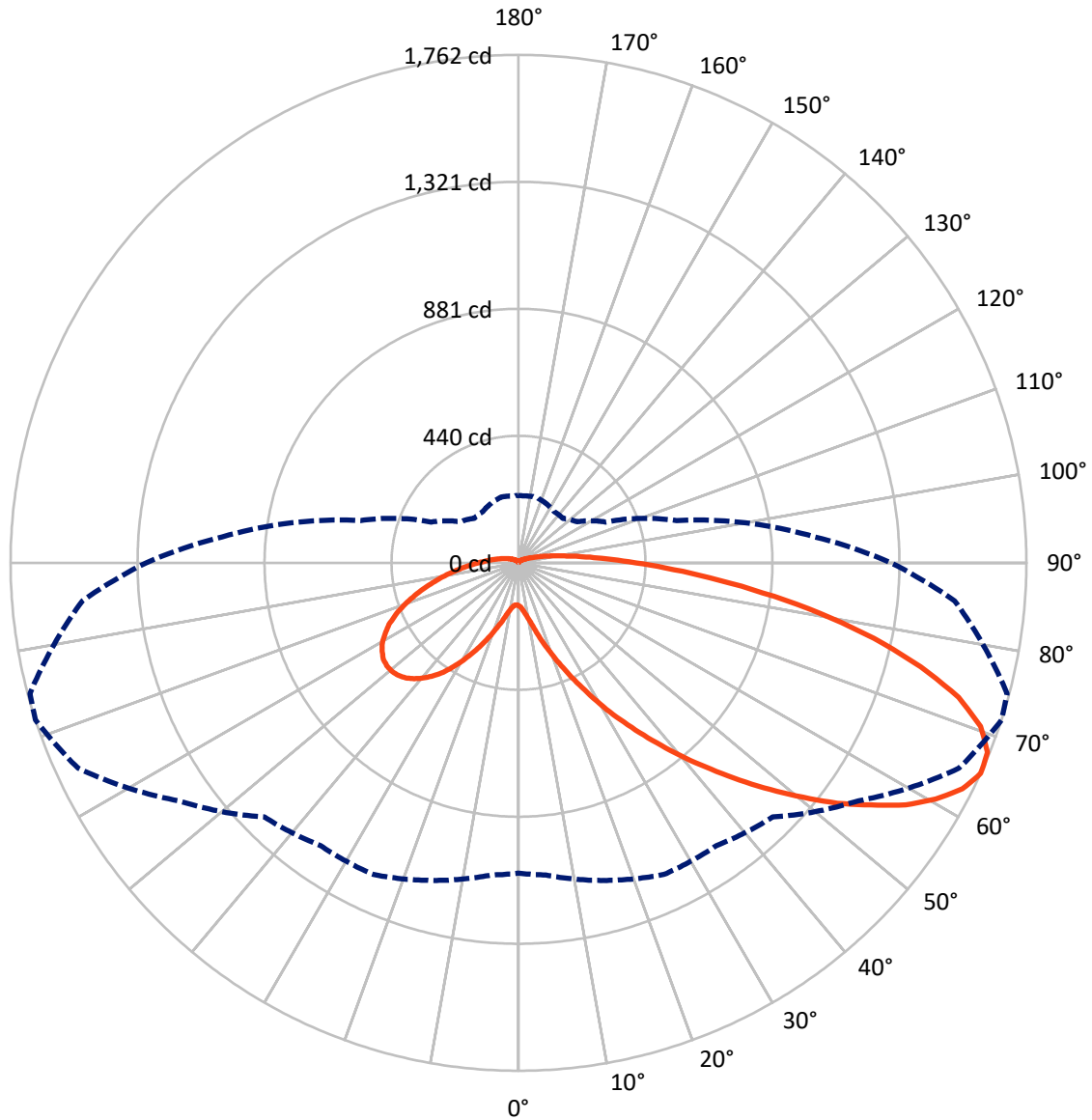
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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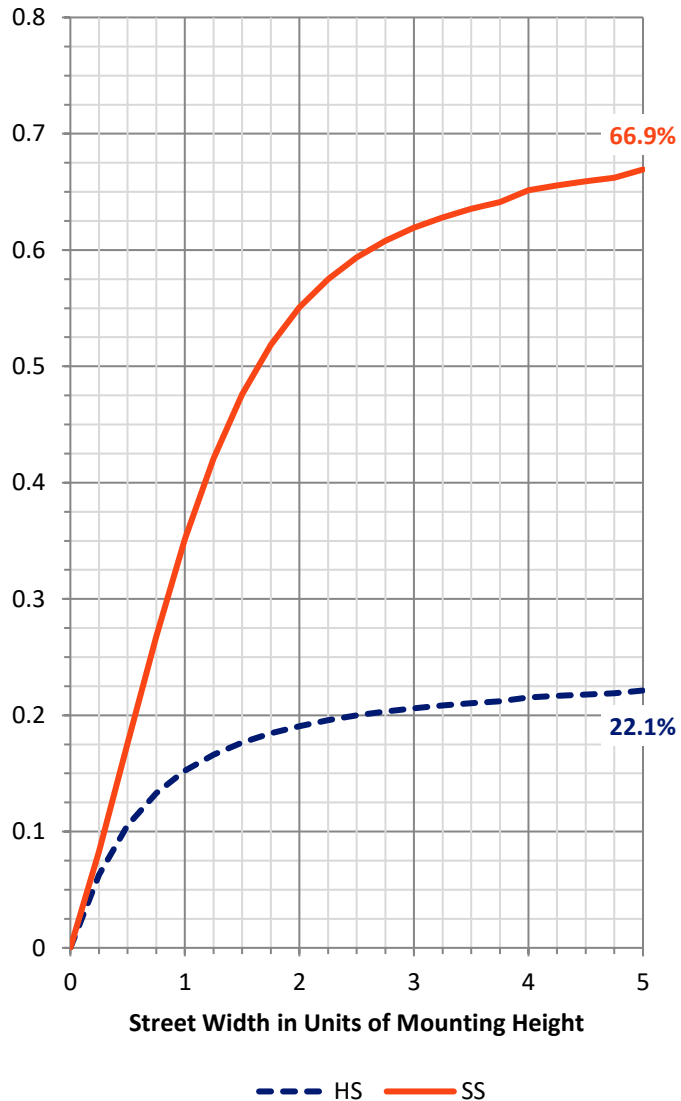
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	942.2	119.2	1061.4
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2801.9	168.7	2970.6
	% Fixture	69.5	4.2	73.7
Total	Lumens	3744.2	287.8	4032.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.4
10°-20°	65.6	1.6
20°-30°	168.9	4.2
30°-40°	335.9	8.3
40°-50°	546.9	13.6
50°-60°	757.1	18.8
60°-70°	845.7	21.0
70°-80°	662.2	16.4
80°-90°	346.3	8.6
90°-100°	150.7	3.7
100°-110°	69.4	1.7
110°-120°	35.4	0.9
120°-130°	19.0	0.5
130°-140°	9.5	0.2
140°-150°	3.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3744.2	92.9
0°-180°	4032.0	100.0

Coefficient of Utilization



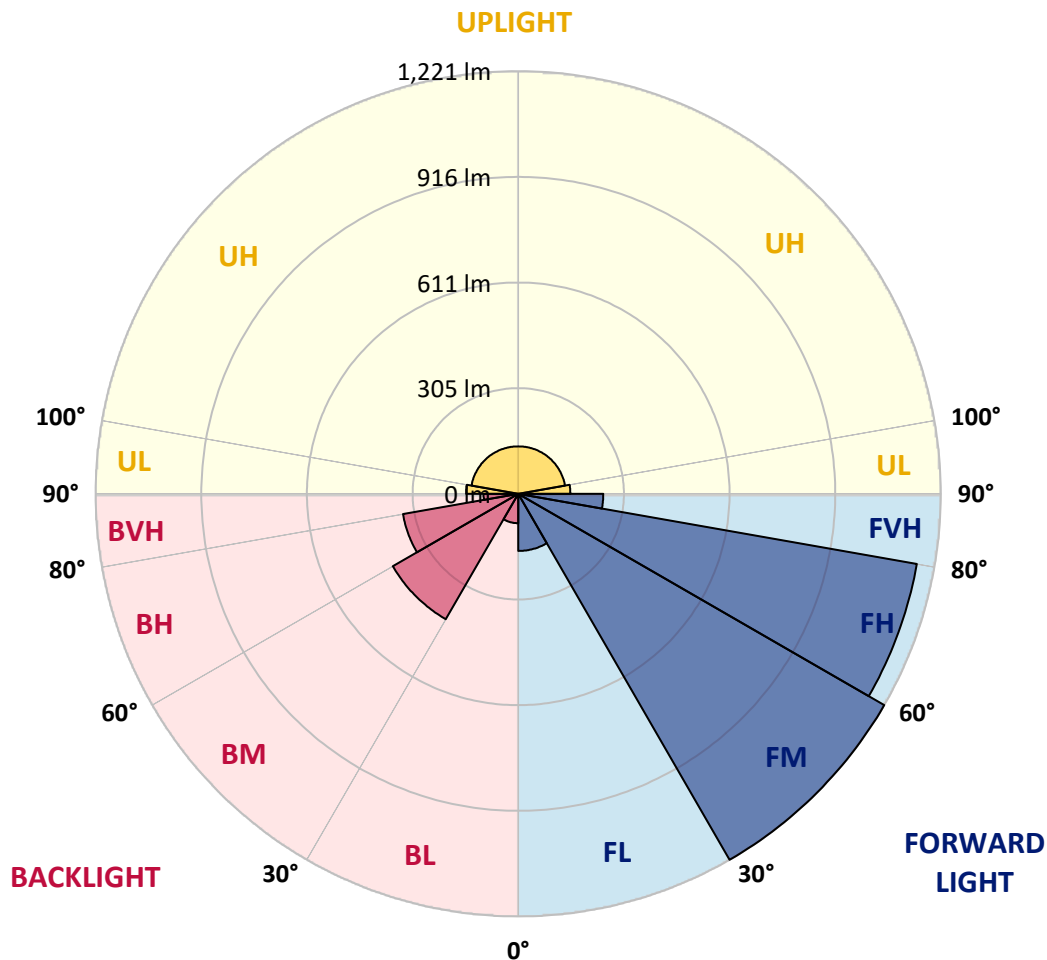
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.1	4.1			
FM (30°-60°)	1221.4	30.3			
FH (60°-80°)	1169.7	29.0			G1/1800
FVH (80°-90°)	245.7	6.1			G3/500
BL (0°-30°)	85.0	2.1	B0/110		
BM (30°-60°)	418.5	10.4	B1/1000		
BH (60°-80°)	338.2	8.4	B1/500		G1/500
BVH (80°-90°)	100.5	2.5			G2/225
UL (90°-100°)	150.7	3.7		U3/500	
UH (100°-180°)	137.2	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	161.2	162.7	162.7	161.2	161.2	159.7	158.3	155.3	153.8	153.8	150.8
5°	182.1	183.6	182.1	180.7	179.2	174.7	173.2	168.7	165.7	164.2	158.3
7.5°	209.0	209.0	207.5	204.5	201.6	198.6	191.1	185.1	180.7	177.7	170.2
10°	237.4	237.4	235.9	234.4	229.9	222.5	215.0	207.5	200.1	198.6	188.1
12.5°	276.2	273.2	270.2	265.8	261.3	253.8	243.4	234.4	226.9	225.4	213.5
15°	315.0	316.5	310.5	303.1	297.1	288.1	279.2	271.7	262.8	259.8	243.4
17.5°	359.8	361.3	356.8	350.9	340.4	331.4	319.5	309.0	303.1	297.1	277.7
20°	415.0	415.0	410.6	398.6	388.2	377.7	367.3	355.3	344.9	340.4	319.5
22.5°	473.3	471.8	465.8	450.9	437.4	424.0	415.0	403.1	395.6	389.7	365.8
25°	543.4	539.0	530.0	512.1	494.2	477.8	464.3	459.8	449.4	443.4	421.0
27.5°	612.1	615.1	600.2	576.3	550.9	534.5	522.5	516.6	509.1	506.1	477.8
30°	697.2	691.3	674.8	645.0	609.1	586.7	580.8	579.3	579.3	573.3	543.4
32.5°	776.3	770.4	752.5	716.6	673.3	645.0	640.5	645.0	648.0	646.5	609.1
35°	857.0	851.0	830.1	791.3	733.1	700.2	700.2	718.1	722.6	719.6	682.3
37.5°	933.1	930.1	909.2	857.0	801.7	761.4	767.4	795.8	803.2	801.7	754.0
40°	1006.3	1006.3	985.4	928.6	861.4	821.1	831.6	874.9	889.8	888.3	836.1
42.5°	1080.9	1077.9	1058.5	1003.3	925.6	880.9	900.3	954.0	977.9	980.9	918.2
45°	1145.1	1142.1	1127.2	1066.0	988.4	942.1	970.4	1043.6	1074.9	1073.5	998.8
47.5°	1200.4	1198.9	1188.4	1131.7	1049.6	1006.3	1046.6	1136.2	1175.0	1175.0	1089.9
50°	1245.1	1246.6	1239.2	1192.9	1106.3	1067.5	1122.7	1230.2	1278.0	1278.0	1176.5
52.5°	1273.5	1276.5	1279.5	1236.2	1160.0	1124.2	1195.9	1328.8	1385.5	1384.0	1264.6
55°	1282.5	1285.5	1300.4	1273.5	1203.3	1176.5	1269.0	1424.3	1482.5	1478.1	1345.2
57.5°	1267.5	1273.5	1298.9	1289.9	1233.2	1218.3	1330.2	1506.4	1584.1	1579.6	1419.8
60°	1230.2	1237.7	1273.5	1284.0	1245.1	1246.6	1387.0	1588.5	1663.2	1660.2	1478.1
62.5°	1164.5	1176.5	1222.8	1251.1	1234.7	1258.6	1424.3	1651.2	1727.4	1722.9	1512.4
65°	1076.4	1086.9	1140.6	1192.9	1197.4	1246.6	1439.2	1685.6	1761.7	1754.3	1518.4
67.5°	971.9	967.5	1036.1	1103.3	1130.2	1203.3	1419.8	1681.1	1754.3	1740.8	1481.0
70°	843.5	843.5	913.7	980.9	1037.6	1136.2	1366.1	1633.3	1700.5	1681.1	1409.4
72.5°	692.7	709.2	770.4	849.5	919.7	1039.1	1282.5	1539.3	1596.0	1573.6	1288.4
75°	567.3	580.8	634.5	713.6	794.3	927.1	1158.6	1403.4	1440.7	1418.3	1140.6
77.5°	455.4	461.3	519.6	586.7	670.3	791.3	1010.7	1233.2	1260.1	1236.2	973.4
80°	350.9	365.8	406.1	470.3	550.9	668.9	857.0	1034.6	1060.0	1033.1	795.8
82.5°	276.2	280.7	318.0	379.2	447.9	547.9	704.7	840.5	852.5	821.1	642.0
85°	213.5	216.5	247.8	300.1	359.8	440.4	562.9	661.4	664.4	646.5	501.6
87.5°	162.7	168.7	197.1	238.9	289.6	359.8	443.4	512.1	507.6	494.2	391.2
90°	128.4	131.4	152.3	189.6	231.4	283.7	346.4	391.2	382.2	376.2	295.6
92.5°	101.5	103.0	125.4	153.8	188.1	229.9	271.7	301.6	289.6	285.2	225.4
95°	80.6	83.6	100.0	125.4	153.8	185.1	213.5	228.4	221.0	213.5	174.7
97.5°	65.7	67.2	82.1	103.0	126.9	150.8	170.2	176.2	168.7	165.7	135.9
100°	55.2	55.2	68.7	86.6	104.5	123.9	135.9	138.8	132.9	125.4	104.5
102.5°	46.3	46.3	56.7	73.2	89.6	103.0	110.5	110.5	103.0	98.5	83.6
105°	38.8	40.3	47.8	62.7	76.1	86.6	92.6	88.1	82.1	79.1	67.2
107.5°	34.3	34.3	41.8	53.7	65.7	73.2	76.1	71.7	65.7	61.2	53.7
110°	31.4	31.4	35.8	46.3	56.7	64.2	64.2	59.7	52.3	49.3	44.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	26.9	28.4	31.4	40.3	49.3	55.2	55.2	49.3	43.3	40.3	37.3
115°	25.4	25.4	28.4	35.8	43.3	47.8	47.8	41.8	35.8	34.3	31.4
117.5°	22.4	22.4	25.4	31.4	37.3	41.8	40.3	35.8	29.9	28.4	26.9
120°	20.9	20.9	22.4	26.9	32.8	35.8	34.3	29.9	25.4	23.9	23.9
122.5°	19.4	19.4	20.9	23.9	29.9	31.4	29.9	25.4	22.4	20.9	22.4
125°	17.9	17.9	19.4	22.4	25.4	26.9	25.4	20.9	19.4	19.4	19.4
127.5°	17.9	17.9	17.9	19.4	22.4	23.9	22.4	17.9	16.4	16.4	17.9
130°	16.4	16.4	16.4	17.9	19.4	20.9	17.9	14.9	14.9	14.9	14.9
132.5°	14.9	14.9	14.9	14.9	16.4	16.4	14.9	13.4	13.4	13.4	13.4
135°	13.4	13.4	13.4	13.4	13.4	13.4	11.9	10.5	11.9	11.9	11.9
137.5°	11.9	11.9	11.9	11.9	11.9	10.5	10.5	9.0	10.5	10.5	10.5
140°	10.5	10.5	10.5	10.5	9.0	9.0	7.5	7.5	7.5	9.0	9.0
142.5°	9.0	9.0	9.0	9.0	7.5	6.0	6.0	6.0	7.5	7.5	7.5
145°	7.5	7.5	7.5	6.0	6.0	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	6.0	6.0	6.0	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5
150°	4.5	4.5	4.5	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0
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°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	149.3	149.3	146.3	144.8	143.3	141.8	140.3	138.8	138.8	138.8	138.8
5°	156.8	152.3	147.8	143.3	138.8	135.9	131.4	129.9	128.4	126.9	126.9
7.5°	165.7	162.7	153.8	146.3	138.8	132.9	128.4	123.9	120.9	119.4	119.4
10°	182.1	176.2	165.7	153.8	143.3	134.4	126.9	120.9	117.9	116.5	116.5
12.5°	206.0	197.1	182.1	165.7	150.8	138.8	129.9	122.4	117.9	117.9	116.5
15°	234.4	223.9	204.5	183.6	162.7	146.3	135.9	129.9	125.4	123.9	123.9
17.5°	267.2	256.8	231.4	203.0	180.7	159.7	146.3	138.8	134.4	131.4	131.4
20°	307.6	292.6	259.8	226.9	197.1	177.7	158.3	149.3	143.3	140.3	138.8
22.5°	350.9	334.4	294.1	252.3	218.0	192.6	171.7	158.3	150.8	149.3	147.8
25°	403.1	379.2	329.9	279.2	238.9	207.5	183.6	167.2	161.2	158.3	158.3
27.5°	458.3	430.0	368.8	307.6	258.3	219.5	192.6	176.2	170.2	168.7	167.2
30°	516.6	483.7	409.1	338.9	276.2	231.4	203.0	186.6	179.2	177.7	177.7
32.5°	580.8	542.0	449.4	362.8	289.6	238.9	209.0	194.1	186.6	186.6	186.6
35°	643.5	598.7	491.2	388.2	301.6	244.8	215.0	201.6	194.1	195.6	195.6
37.5°	710.7	661.4	527.0	406.1	310.5	249.3	218.0	207.5	203.0	203.0	203.0
40°	783.8	713.6	559.9	419.5	313.5	250.8	221.0	212.0	209.0	209.0	210.5
42.5°	854.0	774.9	588.2	430.0	315.0	250.8	222.5	216.5	215.0	215.0	215.0
45°	924.2	828.6	613.6	433.0	313.5	249.3	223.9	219.5	219.5	219.5	219.5
47.5°	1000.3	882.4	631.5	431.5	309.0	246.3	223.9	221.0	223.9	222.5	222.5
50°	1067.5	933.1	643.5	427.0	303.1	243.4	222.5	223.9	226.9	225.4	225.4
52.5°	1137.7	977.9	649.4	416.5	294.1	238.9	222.5	225.4	228.4	226.9	226.9
55°	1200.4	1016.7	649.4	404.6	286.7	235.9	222.5	226.9	231.4	229.9	229.9
57.5°	1251.1	1043.6	639.0	388.2	276.2	231.4	221.0	226.9	232.9	231.4	231.4
60°	1289.9	1058.5	624.1	371.8	267.2	226.9	219.5	226.9	234.4	231.4	232.9
62.5°	1306.4	1057.0	597.2	352.3	258.3	222.5	218.0	226.9	234.4	232.9	232.9
65°	1291.4	1031.6	567.3	334.4	247.8	218.0	216.5	226.9	235.9	232.9	232.9
67.5°	1248.1	982.4	528.5	312.0	237.4	213.5	213.5	225.4	234.4	231.4	231.4
70°	1169.0	910.7	483.7	292.6	226.9	207.5	209.0	221.0	229.9	229.9	228.4
72.5°	1063.0	818.2	434.5	270.2	216.5	200.1	203.0	216.5	223.9	223.9	222.5
75°	939.1	710.7	385.2	249.3	204.5	192.6	195.6	207.5	216.5	215.0	213.5
77.5°	791.3	601.7	337.4	226.9	191.1	182.1	186.6	198.6	206.0	203.0	201.6
80°	655.4	506.1	294.1	204.5	177.7	171.7	176.2	185.1	191.1	189.6	188.1
82.5°	524.0	409.1	249.3	183.6	164.2	159.7	164.2	171.7	176.2	174.7	171.7
85°	407.6	331.4	213.5	162.7	149.3	146.3	150.8	156.8	159.7	156.8	155.3
87.5°	321.0	259.8	177.7	143.3	134.4	132.9	135.9	141.8	144.8	141.8	137.4
90°	250.8	209.0	150.8	126.9	120.9	120.9	122.4	126.9	126.9	123.9	122.4
92.5°	195.6	167.2	126.9	110.5	107.5	107.5	110.5	112.0	112.0	107.5	106.0
95°	153.8	134.4	107.5	97.0	95.6	95.6	98.5	98.5	97.0	92.6	91.1
97.5°	120.9	109.0	92.6	85.1	83.6	85.1	86.6	86.6	83.6	79.1	77.6
100°	97.0	89.6	77.6	74.6	74.6	76.1	76.1	74.6	71.7	67.2	67.2
102.5°	79.1	73.2	67.2	65.7	65.7	67.2	67.2	65.7	62.7	56.7	56.7
105°	64.2	59.7	56.7	56.7	58.2	58.2	58.2	56.7	52.3	47.8	47.8
107.5°	52.3	50.8	49.3	49.3	50.8	52.3	52.3	49.3	44.8	41.8	41.8
110°	43.3	43.3	43.3	43.3	44.8	46.3	46.3	43.3	38.8	35.8	35.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.3	35.8	37.3	38.8	40.3	41.8	40.3	37.3	32.8	31.4	31.4
115°	31.4	31.4	32.8	34.3	35.8	35.8	35.8	32.8	28.4	26.9	26.9
117.5°	28.4	28.4	28.4	29.9	31.4	32.8	31.4	28.4	23.9	23.9	23.9
120°	23.9	23.9	25.4	26.9	28.4	28.4	26.9	23.9	20.9	20.9	20.9
122.5°	22.4	22.4	22.4	23.9	25.4	25.4	23.9	20.9	17.9	19.4	19.4
125°	19.4	19.4	19.4	20.9	22.4	22.4	20.9	17.9	16.4	16.4	16.4
127.5°	17.9	17.9	17.9	17.9	19.4	19.4	17.9	16.4	14.9	14.9	14.9
130°	16.4	16.4	16.4	16.4	16.4	16.4	14.9	13.4	13.4	13.4	13.4
132.5°	13.4	13.4	13.4	13.4	14.9	14.9	13.4	11.9	11.9	11.9	11.9
135°	11.9	11.9	11.9	11.9	11.9	11.9	10.5	10.5	10.5	10.5	10.5
137.5°	10.5	10.5	10.5	10.5	10.5	10.5	9.0	9.0	9.0	9.0	9.0
140°	9.0	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	9.0	9.0
142.5°	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5	7.5
145°	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0	6.0	6.0	6.0
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	6.0	6.0
150°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	4.5
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)