

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: P695069

Luminaire Tested: **LXF.LXT-PA16-40-730-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695069
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-PA16-40-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA 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: 3934 lumens
Efficiency: N/A
Efficacy: 97.9 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 - G3

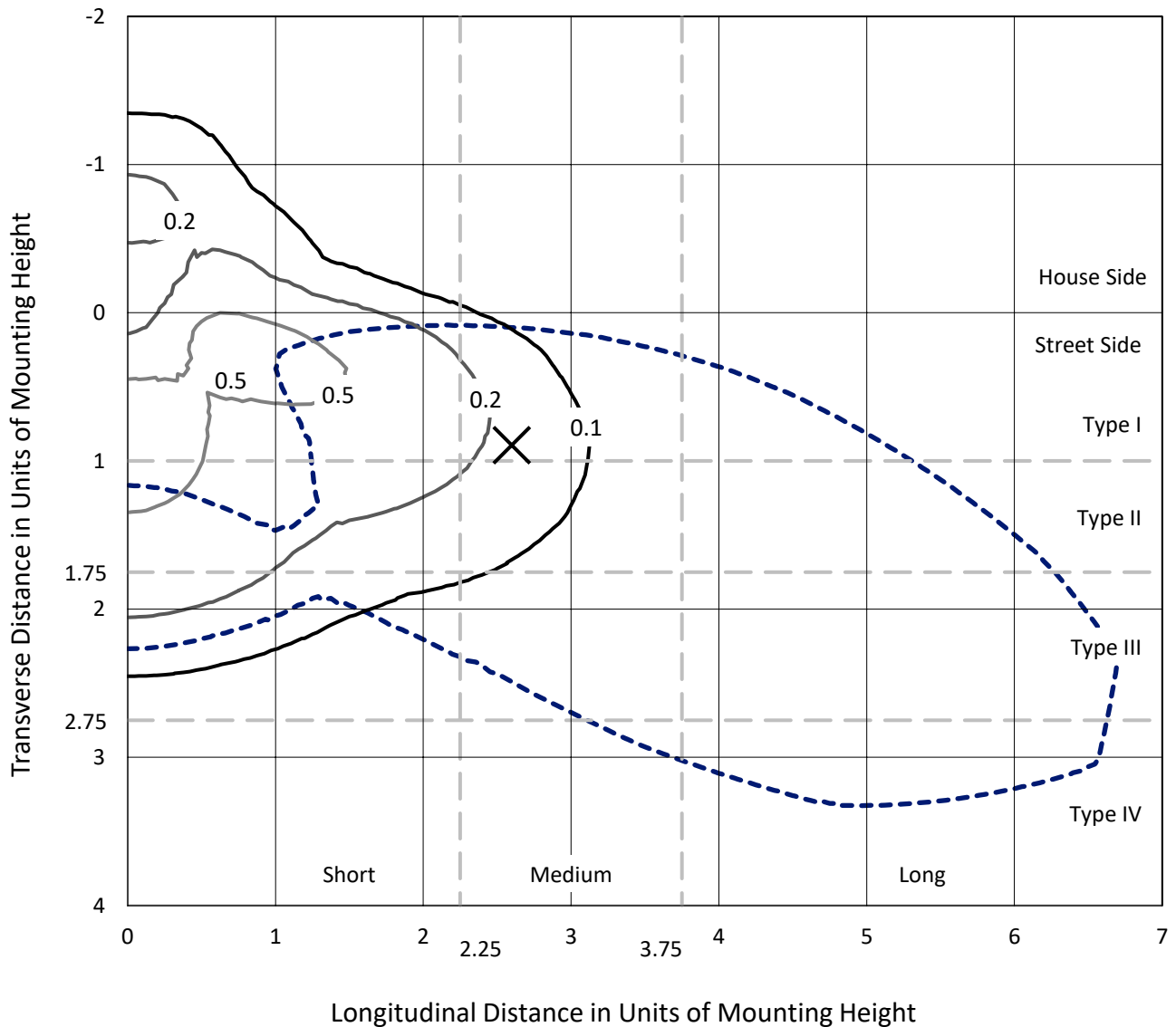
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

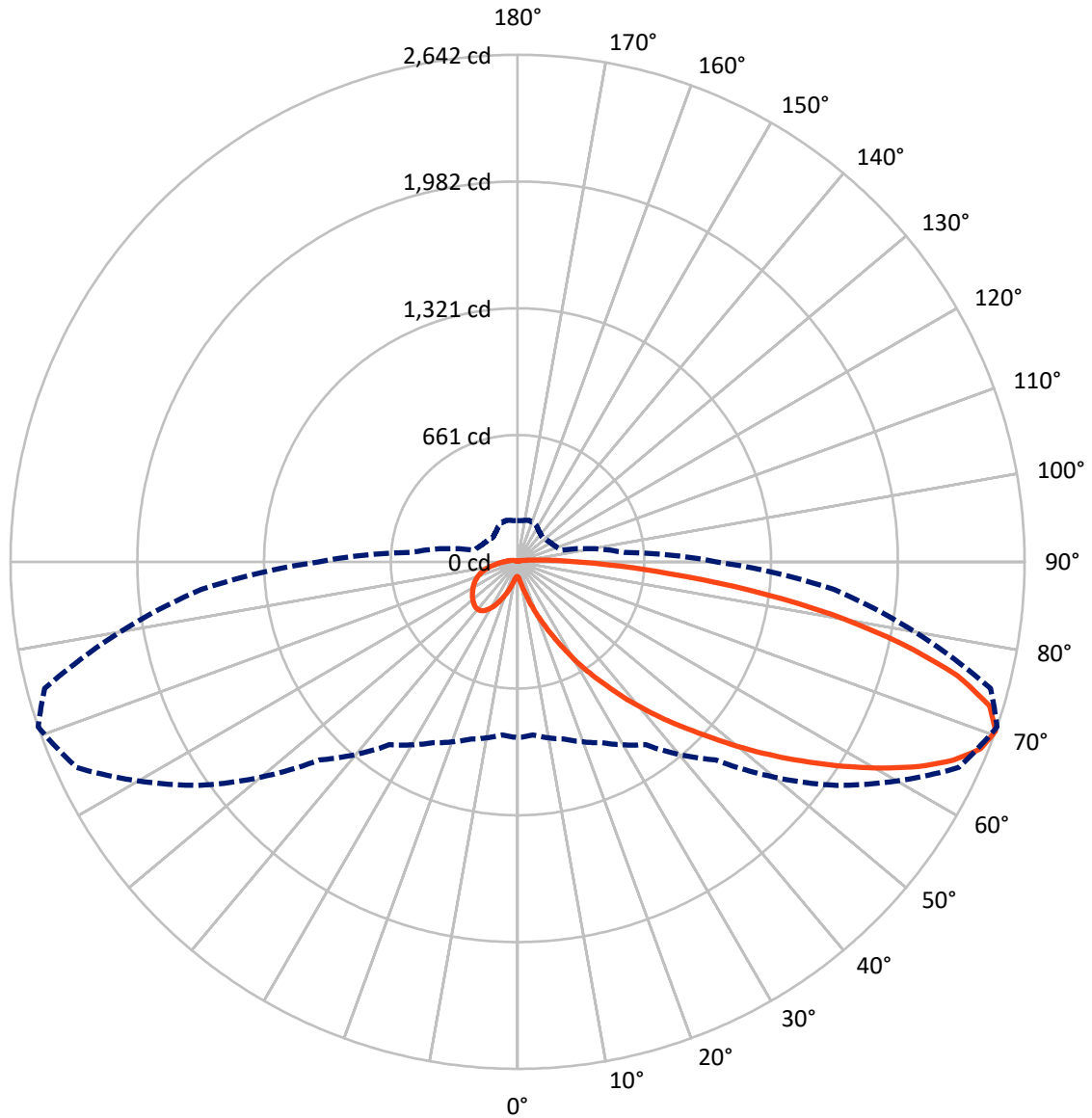
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type 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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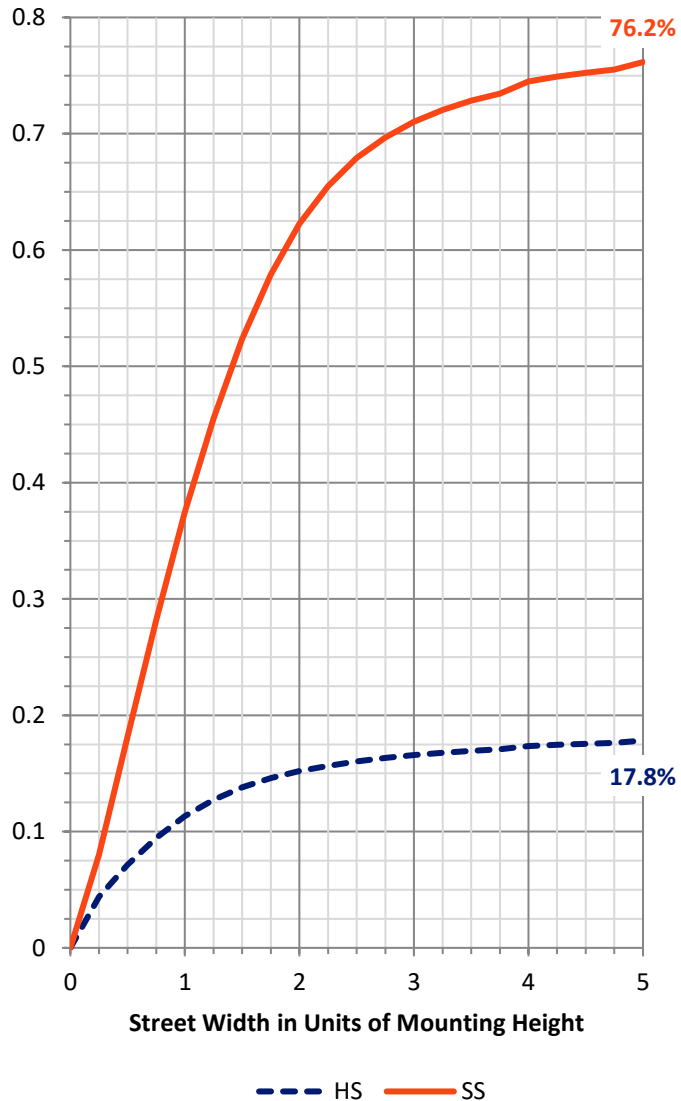
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	735.0	63.1	798.1
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	3067.2	68.8	3136.0
	% Fixture	78.0	1.7	79.7
Total	Lumens	3802.2	131.9	3934.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.2
10°-20°	45.9	1.2
20°-30°	141.4	3.6
30°-40°	307.0	7.8
40°-50°	512.6	13.0
50°-60°	759.4	19.3
60°-70°	955.7	24.3
70°-80°	767.8	19.5
80°-90°	303.5	7.7
90°-100°	73.2	1.9
100°-110°	28.8	0.7
110°-120°	14.3	0.4
120°-130°	8.1	0.2
130°-140°	4.9	0.1
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3802.2	96.6
0°-180°	3934.0	100.0

Coefficient of Utilization

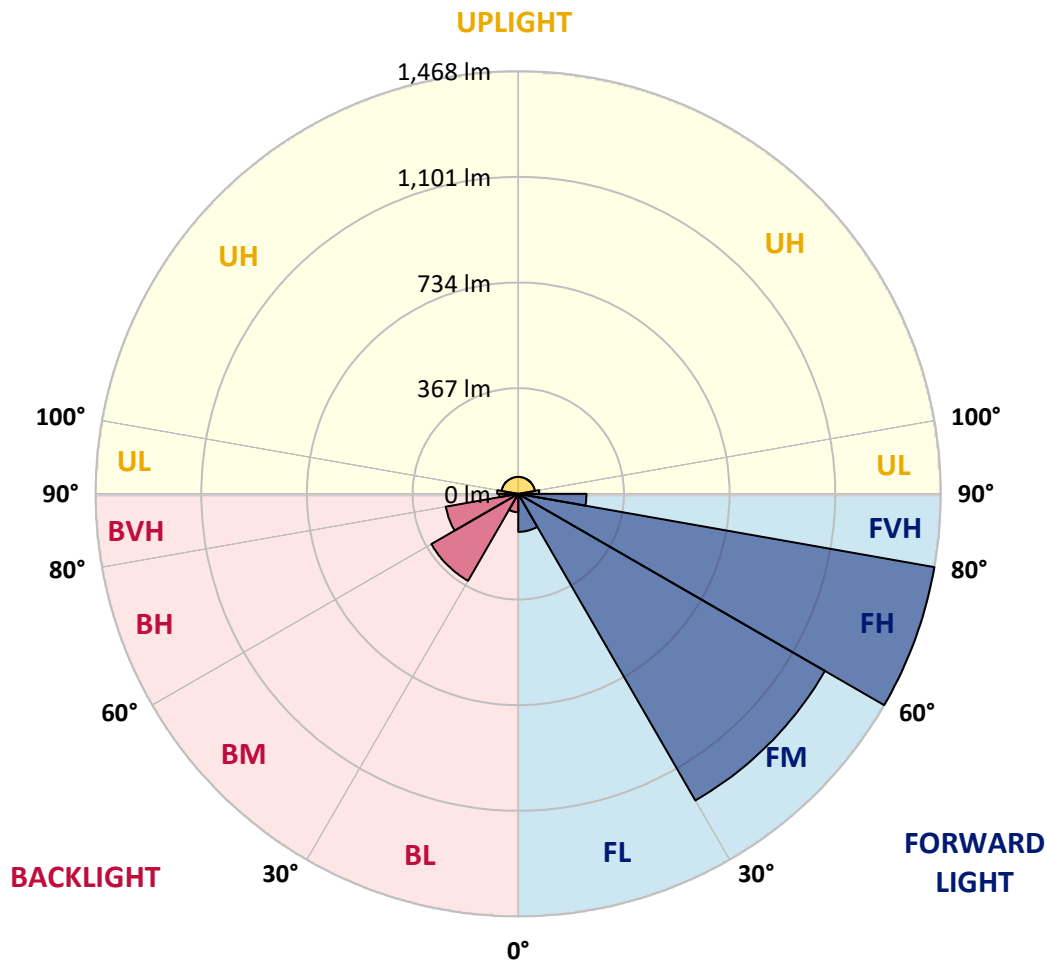


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.2	3.4			
FM (30°-60°)	1230.1	31.3			
FH (60°-80°)	1468.0	37.3			G1/1800
FVH (80°-90°)	236.9	6.0			G3/500
BL (0°-30°)	64.0	1.6	B0/110		
BM (30°-60°)	348.8	8.9	B1/1000		
BH (60°-80°)	255.5	6.5	B1/500		G1/500
BVH (80°-90°)	66.6	1.7			G1/100
UL (90°-100°)	73.2	1.9		U3/500	
UH (100°-180°)	58.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2.5°	86.6	86.6	86.6	86.6	86.6	85.1	83.6	83.6	82.1	82.1	80.6
5°	103.0	103.0	101.5	101.5	100.0	98.5	97.0	94.0	92.5	91.1	88.1
7.5°	122.4	120.9	119.4	119.4	119.4	116.4	113.4	110.5	107.5	104.5	100.0
10°	146.3	144.8	144.8	143.3	141.8	140.3	137.3	132.8	128.4	126.9	119.4
12.5°	174.6	173.1	174.6	173.1	168.7	168.7	167.2	161.2	158.2	155.2	144.8
15°	210.5	210.5	210.5	206.0	204.5	201.5	203.0	198.5	195.5	192.6	179.1
17.5°	255.2	255.2	252.3	247.8	241.8	241.8	243.3	243.3	244.8	235.8	217.9
20°	306.0	310.5	301.5	292.6	285.1	286.6	289.6	298.5	298.5	289.6	268.7
22.5°	371.7	367.2	362.7	344.8	332.9	329.9	341.8	356.7	358.2	356.7	323.9
25°	440.3	438.8	423.9	404.5	383.6	380.6	400.0	423.9	429.9	426.9	388.1
27.5°	513.5	513.5	498.5	464.2	434.4	429.9	453.8	495.6	509.0	510.5	456.8
30°	609.0	600.0	579.2	532.9	494.1	480.6	515.0	574.7	598.6	600.0	531.4
32.5°	691.1	691.1	661.2	609.0	552.3	529.9	571.7	659.8	691.1	688.1	604.5
35°	783.6	776.2	743.3	679.2	609.0	580.6	631.4	744.8	785.1	785.1	674.7
37.5°	868.7	859.8	829.9	753.8	667.2	629.9	694.1	829.9	894.1	894.1	737.4
40°	952.3	950.8	913.5	826.9	728.4	677.7	755.3	926.9	1003.1	997.1	803.1
42.5°	1046.4	1040.4	995.6	903.1	788.1	729.9	819.5	1028.4	1121.0	1112.0	865.7
45°	1146.4	1132.9	1082.2	982.2	843.4	783.6	886.6	1128.4	1240.4	1243.4	935.9
47.5°	1237.4	1234.4	1182.2	1064.3	915.0	840.4	959.8	1253.8	1374.7	1367.3	1001.6
50°	1341.9	1335.9	1273.2	1144.9	980.7	906.0	1041.9	1377.7	1525.5	1518.0	1088.1
52.5°	1444.9	1433.0	1367.3	1230.0	1056.8	977.7	1134.4	1513.6	1680.7	1664.3	1174.7
55°	1533.0	1528.5	1444.9	1315.0	1140.4	1053.8	1244.9	1662.8	1841.9	1834.5	1268.8
57.5°	1604.6	1595.7	1518.0	1389.7	1216.5	1156.8	1373.2	1812.1	2010.6	1992.7	1368.8
60°	1627.0	1618.0	1540.4	1440.4	1288.2	1262.8	1518.0	1979.3	2182.3	2158.4	1468.8
62.5°	1579.2	1570.3	1509.1	1444.9	1340.4	1364.3	1677.7	2156.9	2349.4	2325.6	1565.8
65°	1424.0	1419.5	1395.6	1383.7	1349.4	1443.4	1847.9	2313.6	2492.7	2452.4	1644.9
67.5°	1191.1	1197.1	1200.1	1244.9	1294.1	1488.2	1967.3	2456.9	2601.7	2545.0	1671.8
70°	916.5	906.0	956.8	1040.4	1162.8	1459.8	2031.5	2536.0	2642.0	2551.0	1653.9
72.5°	652.3	653.8	710.5	821.0	995.6	1367.3	2019.6	2507.7	2571.9	2465.9	1568.8
75°	450.8	447.8	491.1	600.0	794.1	1194.1	1874.8	2374.8	2368.8	2262.9	1386.7
77.5°	303.0	312.0	343.3	425.4	603.0	995.6	1650.9	2062.9	2042.0	1909.1	1168.8
80°	213.5	210.5	243.3	304.5	420.9	773.2	1338.9	1685.2	1659.8	1500.1	912.0
82.5°	143.3	150.8	171.7	210.5	301.5	570.2	1015.0	1247.9	1219.5	1089.6	638.9
85°	94.0	97.0	116.4	147.8	209.0	392.6	694.1	841.9	791.1	710.5	417.9
87.5°	59.7	62.7	77.6	101.5	144.8	264.2	461.2	519.4	480.6	447.8	253.8
90°	35.8	38.8	50.8	70.2	100.0	177.6	279.1	301.5	268.7	244.8	153.7
92.5°	25.4	26.9	35.8	50.8	73.1	119.4	173.1	173.1	158.2	135.8	97.0
95°	17.9	19.4	26.9	38.8	55.2	82.1	109.0	103.0	91.1	85.1	65.7
97.5°	14.9	14.9	22.4	31.3	44.8	62.7	71.6	65.7	61.2	56.7	49.3
100°	11.9	13.4	19.4	26.9	37.3	47.8	52.2	47.8	43.3	41.8	37.3
102.5°	10.4	11.9	16.4	23.9	31.3	38.8	40.3	35.8	34.3	31.3	28.4
105°	9.0	10.4	13.4	20.9	26.9	32.8	32.8	29.9	26.9	25.4	22.4
107.5°	9.0	9.0	11.9	17.9	23.9	26.9	28.4	23.9	20.9	19.4	17.9
110°	7.5	7.5	10.4	14.9	20.9	23.9	23.9	19.4	16.4	14.9	13.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	7.5	7.5	10.4	13.4	17.9	20.9	19.4	16.4	13.4	11.9	11.9
115°	7.5	7.5	9.0	11.9	16.4	17.9	16.4	13.4	11.9	10.4	10.4
117.5°	6.0	7.5	9.0	11.9	14.9	16.4	14.9	11.9	10.4	9.0	9.0
120°	6.0	6.0	7.5	10.4	11.9	13.4	13.4	10.4	9.0	7.5	9.0
122.5°	6.0	6.0	7.5	9.0	11.9	11.9	11.9	9.0	7.5	7.5	7.5
125°	6.0	6.0	7.5	9.0	10.4	10.4	10.4	7.5	7.5	6.0	7.5
127.5°	6.0	6.0	6.0	7.5	9.0	10.4	9.0	7.5	6.0	6.0	7.5
130°	6.0	6.0	6.0	7.5	9.0	9.0	7.5	6.0	6.0	6.0	6.0
132.5°	6.0	6.0	6.0	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	7.5	7.5	6.0	6.0	4.5	4.5	6.0
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0
140°	6.0	4.5	4.5	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	4.5	4.5	4.5
145°	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	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°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2.5°	79.1	79.1	77.6	76.1	74.6	73.1	73.1	73.1	73.1	71.6	71.6
5°	85.1	83.6	80.6	77.6	74.6	71.6	70.2	68.7	67.2	67.2	65.7
7.5°	97.0	94.0	88.1	82.1	77.6	73.1	70.2	67.2	65.7	64.2	64.2
10°	114.9	110.5	100.0	91.1	83.6	76.1	71.6	68.7	67.2	65.7	65.7
12.5°	137.3	131.4	116.4	103.0	91.1	82.1	77.6	73.1	71.6	70.2	70.2
15°	170.2	158.2	138.8	119.4	103.0	91.1	85.1	83.6	82.1	82.1	82.1
17.5°	206.0	192.6	162.7	135.8	114.9	103.0	97.0	95.5	97.0	97.0	97.0
20°	249.3	229.9	189.6	155.2	129.9	117.9	113.4	111.9	114.9	116.4	117.9
22.5°	300.0	270.2	216.4	174.6	147.8	134.3	128.4	129.9	134.3	138.8	138.8
25°	356.7	319.4	246.3	194.0	165.7	150.8	146.3	152.3	158.2	164.2	165.7
27.5°	412.0	364.2	276.1	214.9	183.6	165.7	165.7	171.7	186.6	192.6	195.5
30°	470.2	406.0	300.0	235.8	201.5	182.1	183.6	197.0	213.5	222.4	225.4
32.5°	522.4	444.8	319.4	253.8	216.4	198.5	200.0	217.9	240.3	252.3	253.8
35°	574.7	473.2	335.8	270.2	229.9	210.5	216.4	240.3	264.2	277.6	279.1
37.5°	613.5	495.6	343.3	280.6	241.8	219.4	228.4	258.2	285.1	297.0	298.5
40°	649.3	509.0	346.3	288.1	249.3	228.4	238.8	273.2	300.0	312.0	312.0
42.5°	676.2	513.5	344.8	291.1	255.2	232.9	246.3	283.6	310.5	319.4	320.9
45°	704.5	518.0	338.8	291.1	256.7	235.8	249.3	288.1	315.0	320.9	320.9
47.5°	734.4	520.9	331.4	288.1	255.2	235.8	252.3	291.1	315.0	317.9	317.9
50°	776.2	528.4	322.4	282.1	252.3	234.3	252.3	291.1	312.0	309.0	309.0
52.5°	815.0	538.8	313.5	276.1	247.8	231.4	250.8	289.6	306.0	298.5	298.5
55°	862.8	546.3	303.0	267.2	241.8	226.9	246.3	283.6	297.0	288.1	286.6
57.5°	916.5	561.2	294.1	256.7	234.3	222.4	241.8	277.6	288.1	274.6	273.2
60°	971.7	573.2	283.6	247.8	226.9	214.9	234.3	268.7	276.1	262.7	261.2
62.5°	1013.5	583.6	273.2	238.8	219.4	207.5	226.9	258.2	264.2	250.8	249.3
65°	1049.3	588.1	261.2	228.4	210.5	200.0	217.9	246.3	250.8	238.8	237.3
67.5°	1058.3	579.2	246.3	216.4	200.0	191.1	206.0	232.9	238.8	228.4	225.4
70°	1035.9	555.3	232.9	206.0	191.1	180.6	194.0	217.9	223.9	214.9	214.9
72.5°	968.7	515.0	216.4	192.6	179.1	168.7	180.6	201.5	209.0	204.5	201.5
75°	864.2	453.8	197.0	179.1	165.7	156.7	165.7	185.1	192.6	191.1	191.1
77.5°	715.0	386.6	176.1	161.2	152.3	143.3	152.3	167.2	176.1	177.6	176.1
80°	550.8	306.0	152.3	143.3	137.3	129.9	137.3	150.8	158.2	161.2	159.7
82.5°	397.0	232.9	128.4	125.4	120.9	117.9	120.9	131.4	141.8	143.3	143.3
85°	274.6	168.7	107.5	107.5	104.5	103.0	106.0	113.4	120.9	123.9	123.9
87.5°	177.6	120.9	86.6	89.6	91.1	89.6	91.1	94.0	101.5	104.5	103.0
90°	116.4	86.6	71.6	74.6	77.6	77.6	76.1	77.6	85.1	86.6	86.6
92.5°	77.6	65.7	61.2	62.7	65.7	67.2	65.7	65.7	70.2	71.6	70.2
95°	58.2	53.7	52.2	53.7	56.7	56.7	56.7	55.2	58.2	59.7	58.2
97.5°	44.8	43.3	44.8	46.3	49.3	49.3	49.3	47.8	49.3	49.3	47.8
100°	35.8	35.8	38.8	40.3	41.8	41.8	41.8	41.8	41.8	38.8	38.8
102.5°	28.4	29.9	32.8	35.8	35.8	37.3	35.8	35.8	34.3	32.8	31.3
105°	23.9	23.9	28.4	29.9	31.3	31.3	31.3	29.9	28.4	25.4	25.4
107.5°	17.9	19.4	23.9	25.4	26.9	26.9	26.9	25.4	23.9	20.9	20.9
110°	14.9	16.4	19.4	22.4	23.9	23.9	23.9	22.4	19.4	16.4	16.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.4	13.4	16.4	19.4	19.4	20.9	20.9	19.4	16.4	13.4	14.9
115°	10.4	11.9	14.9	16.4	17.9	17.9	17.9	16.4	13.4	11.9	11.9
117.5°	10.4	10.4	13.4	14.9	14.9	16.4	14.9	13.4	11.9	10.4	10.4
120°	9.0	10.4	11.9	13.4	13.4	13.4	13.4	11.9	10.4	10.4	10.4
122.5°	9.0	9.0	10.4	11.9	11.9	11.9	11.9	10.4	9.0	9.0	9.0
125°	7.5	9.0	9.0	10.4	10.4	10.4	10.4	9.0	9.0	9.0	9.0
127.5°	7.5	7.5	9.0	9.0	9.0	9.0	9.0	9.0	7.5	7.5	7.5
130°	7.5	7.5	7.5	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5
132.5°	6.0	6.0	7.5	7.5	7.5	7.5	7.5	7.5	6.0	7.5	7.5
135°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
140°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	3.0	3.0	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

(END OF REPORT)