

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: P695066

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3949 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 III - Medium
BUG Rating: B1 - U3 - G3

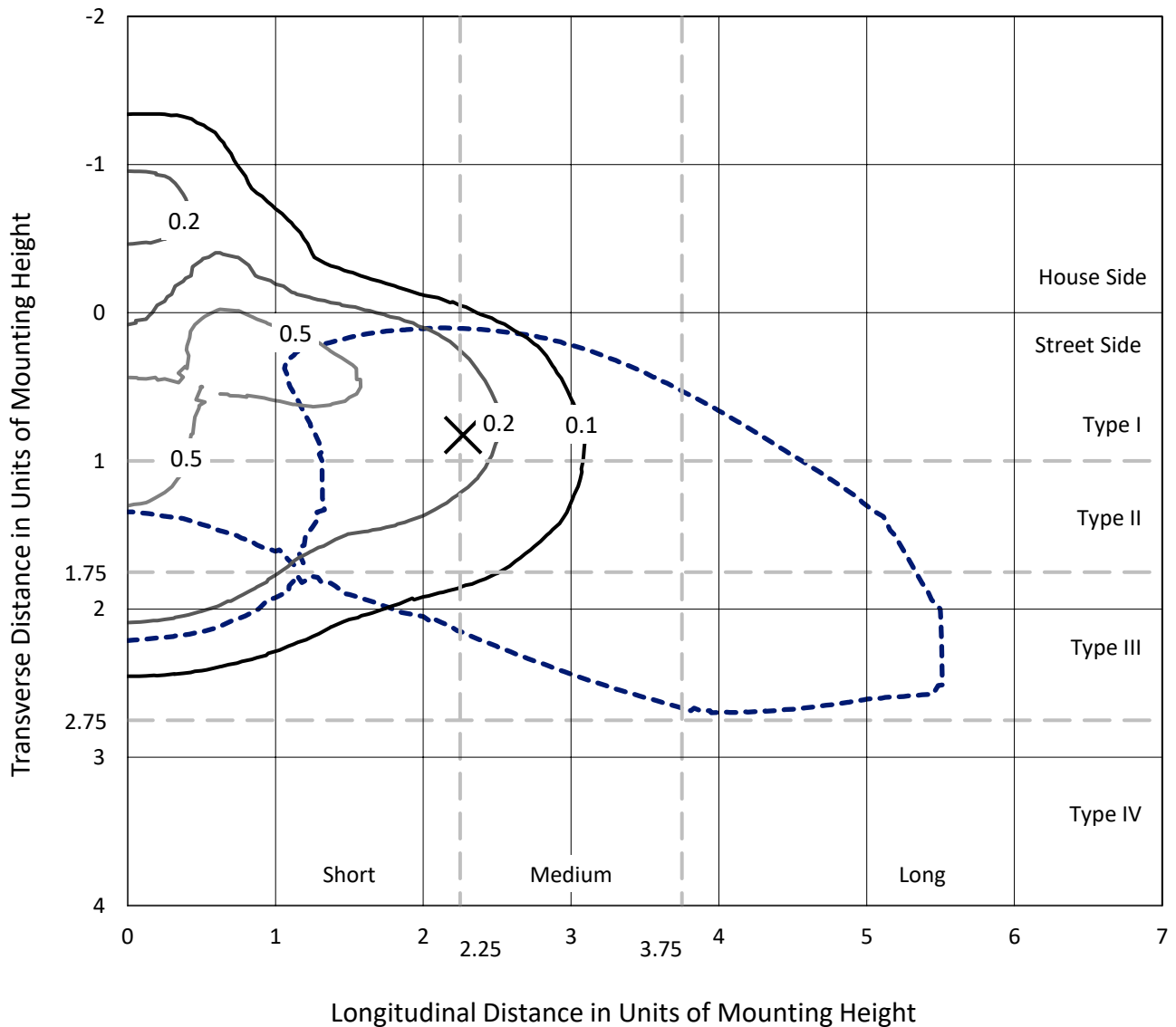
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

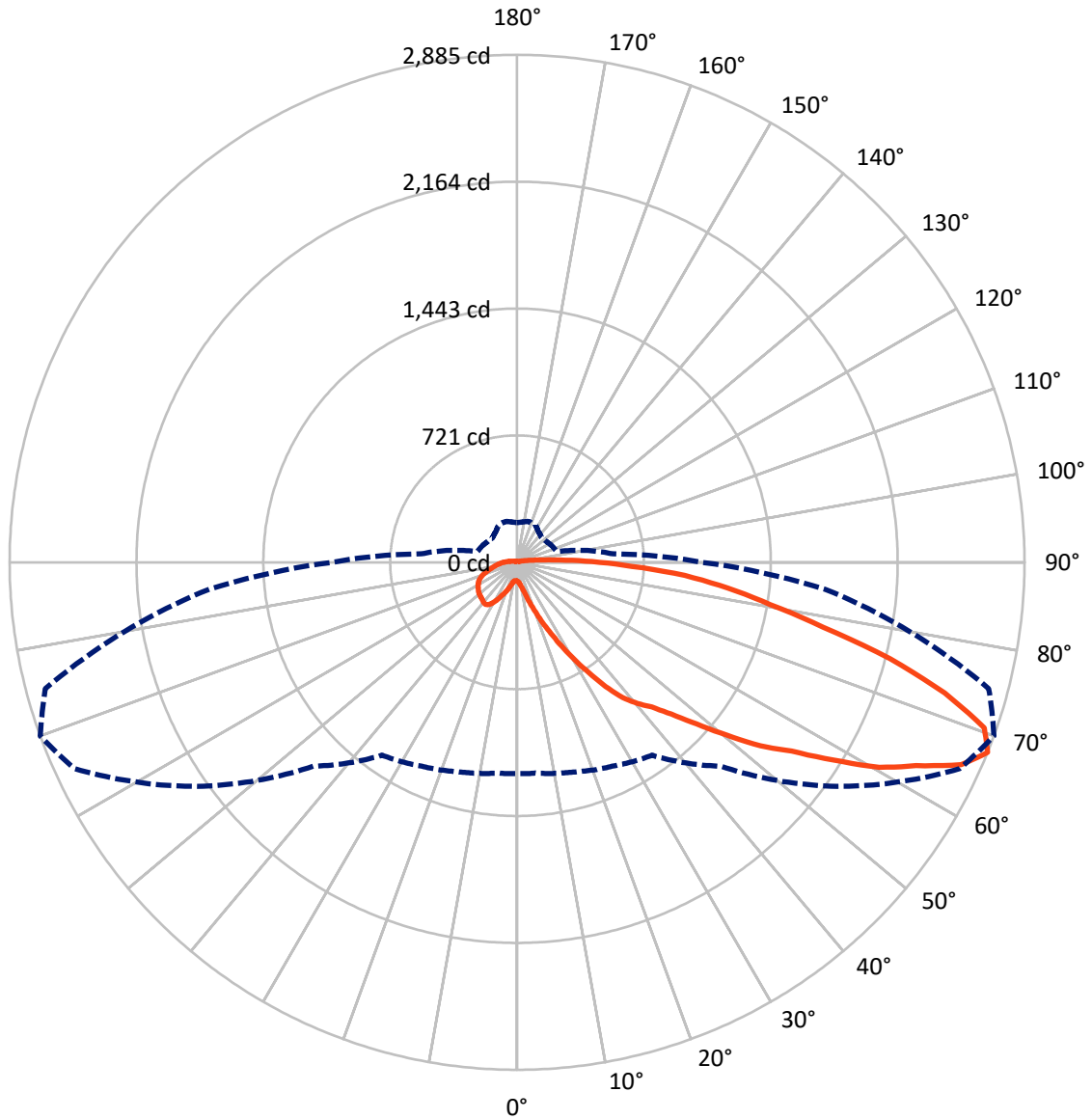
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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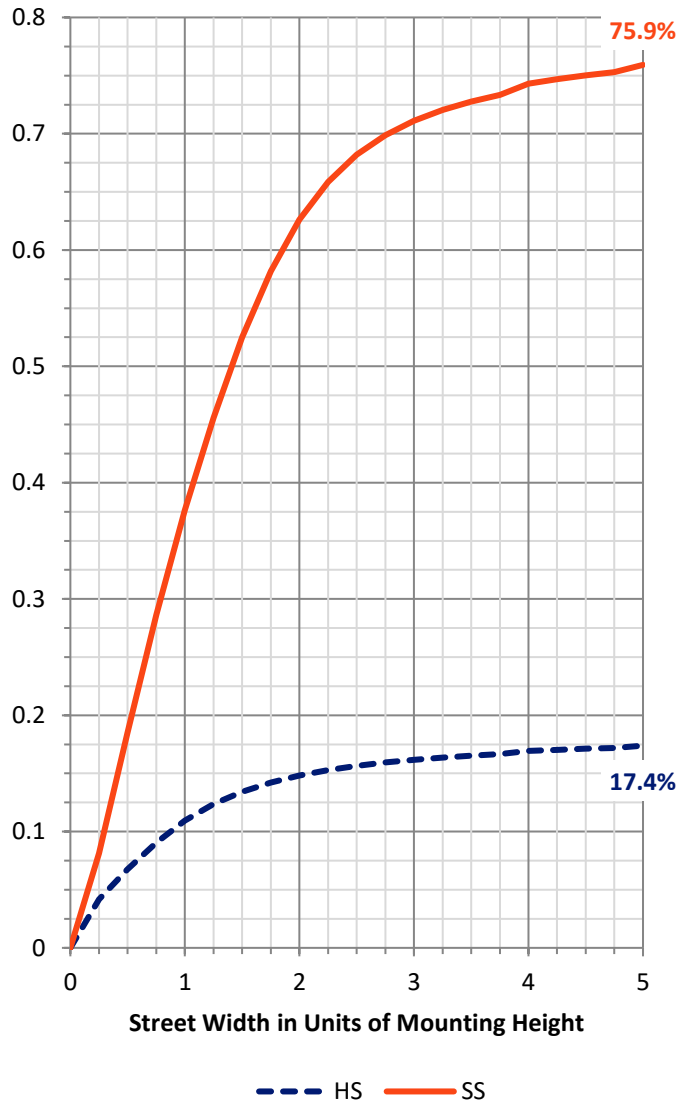
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.3	64.5	785.8
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	3080.9	82.3	3163.2
	% Fixture	78.0	2.1	80.1
Total	Lumens	3802.2	146.8	3949.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.3
10°-20°	48.1	1.2
20°-30°	142.4	3.6
30°-40°	311.3	7.9
40°-50°	489.9	12.4
50°-60°	757.6	19.2
60°-70°	1012.6	25.6
70°-80°	716.5	18.1
80°-90°	312.9	7.9
90°-100°	88.1	2.2
100°-110°	28.2	0.7
110°-120°	13.7	0.3
120°-130°	8.5	0.2
130°-140°	5.5	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3802.2	96.3
0°-180°	3949.0	100.0

Coefficient of Utilization

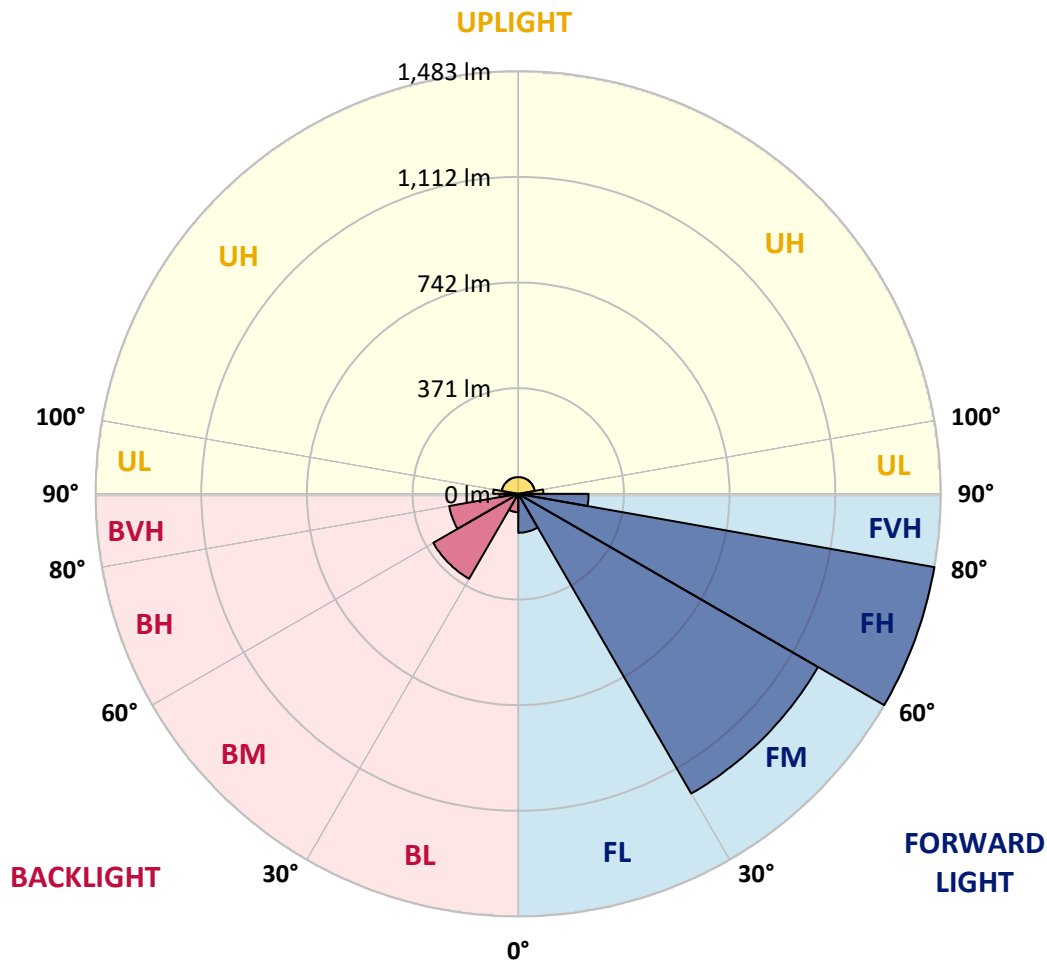


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.7	3.5			
FM (30°-60°)	1214.4	30.8			
FH (60°-80°)	1483.0	37.6			G1/1800
FVH (80°-90°)	246.8	6.2			G3/500
BL (0°-30°)	64.8	1.6	B0/110		
BM (30°-60°)	344.4	8.7	B1/1000		
BH (60°-80°)	246.0	6.2	B1/500		G1/500
BVH (80°-90°)	66.1	1.7			G1/100
UL (90°-100°)	88.1	2.2		U3/500	
UH (100°-180°)	58.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
2.5°	113.4	113.4	114.9	113.4	113.4	113.4	111.9	110.4	109.0	109.0	107.5
5°	125.4	125.4	125.4	125.4	123.9	122.4	120.9	117.9	116.4	114.9	111.9
7.5°	140.3	140.3	140.3	140.3	138.8	137.3	132.8	128.4	126.9	125.4	119.4
10°	162.7	162.7	162.7	159.7	158.2	155.2	150.7	146.3	143.3	140.3	131.3
12.5°	192.5	191.0	191.0	188.1	182.1	176.1	174.6	170.1	167.2	164.2	153.7
15°	229.8	229.8	229.8	222.4	216.4	210.4	208.9	204.5	204.5	200.0	186.6
17.5°	271.6	271.6	265.7	258.2	253.7	250.7	252.2	250.7	249.2	243.3	225.4
20°	317.9	316.4	308.9	298.5	292.5	295.5	300.0	304.5	303.0	295.5	270.1
22.5°	377.6	374.6	361.2	346.3	332.8	337.3	352.2	367.1	371.6	359.7	328.3
25°	441.8	441.8	422.4	400.0	383.6	382.1	403.0	444.8	447.7	446.2	401.5
27.5°	526.8	522.4	495.5	462.7	431.3	432.8	465.7	520.9	538.8	537.3	477.6
30°	619.4	617.9	586.5	538.8	485.1	477.6	531.3	614.9	637.3	646.2	565.6
32.5°	691.0	698.5	659.7	613.4	543.3	523.9	591.0	703.0	747.7	750.7	647.7
35°	771.6	771.6	734.3	676.1	594.0	568.6	652.2	798.5	867.1	873.1	731.3
37.5°	804.4	814.9	786.5	731.3	641.8	607.4	714.9	905.9	976.1	997.0	792.5
40°	847.7	856.7	825.3	765.6	680.6	647.7	768.6	986.5	1055.2	1065.6	811.9
42.5°	931.3	938.8	892.5	808.9	713.4	682.1	807.4	1040.3	1123.8	1140.3	844.7
45°	1016.4	1023.8	982.0	883.5	755.2	714.9	844.7	1128.3	1229.8	1244.7	894.0
47.5°	1131.3	1134.3	1079.1	967.1	817.9	753.7	901.5	1246.2	1373.1	1391.0	961.2
50°	1256.7	1261.1	1189.5	1064.1	889.5	819.4	982.0	1380.5	1543.2	1571.6	1058.2
52.5°	1382.0	1368.6	1304.4	1174.6	985.0	898.5	1076.1	1552.2	1732.8	1749.2	1147.7
55°	1523.8	1502.9	1422.3	1273.1	1091.0	1000.0	1222.3	1717.8	1894.0	1905.9	1246.2
57.5°	1671.6	1652.2	1549.2	1382.0	1198.5	1144.7	1383.5	1899.9	2119.3	2150.7	1397.0
60°	1696.9	1686.5	1611.9	1483.5	1317.9	1301.4	1580.5	2140.2	2367.1	2368.6	1523.8
62.5°	1665.6	1661.1	1592.5	1504.4	1408.9	1464.1	1843.2	2368.6	2546.2	2529.7	1637.2
65°	1514.9	1498.4	1498.4	1455.2	1432.8	1611.9	2074.5	2585.0	2774.5	2723.8	1744.7
67.5°	1201.4	1202.9	1234.3	1279.1	1338.7	1638.7	2220.8	2776.0	2885.0	2776.0	1756.6
70°	846.2	868.6	935.8	1035.8	1153.7	1517.8	2228.3	2753.6	2817.8	2710.3	1679.0
72.5°	619.4	601.5	653.7	744.7	922.3	1305.9	2037.2	2540.2	2543.2	2385.0	1453.7
75°	419.4	420.9	458.2	537.3	670.1	1062.6	1770.1	2199.9	2191.0	2008.9	1211.9
77.5°	279.1	282.1	316.4	379.1	504.5	852.2	1480.5	1819.3	1779.0	1655.2	971.6
80°	191.0	198.5	217.9	262.7	367.1	674.6	1214.9	1492.5	1459.6	1340.2	783.5
82.5°	137.3	138.8	158.2	192.5	262.7	516.4	989.5	1252.2	1207.4	1079.1	625.3
85°	104.5	104.5	117.9	141.8	189.5	394.0	789.5	997.0	956.7	834.3	467.1
87.5°	76.1	77.6	86.6	107.5	140.3	298.5	605.9	716.4	652.2	576.1	320.9
90°	49.3	52.2	58.2	77.6	104.5	211.9	422.4	468.6	425.4	356.7	207.5
92.5°	31.3	31.3	37.3	52.2	76.1	144.8	265.7	277.6	240.3	217.9	126.9
95°	20.9	22.4	26.9	35.8	53.7	98.5	159.7	161.2	141.8	119.4	80.6
97.5°	17.9	17.9	20.9	26.9	40.3	67.2	94.0	91.0	82.1	73.1	56.7
100°	14.9	14.9	17.9	22.4	32.8	49.3	59.7	58.2	53.7	52.2	44.8
102.5°	13.4	13.4	14.9	19.4	26.9	38.8	43.3	40.3	38.8	38.8	34.3
105°	11.9	11.9	13.4	16.4	22.4	31.3	32.8	29.8	29.8	28.4	26.9
107.5°	10.4	10.4	11.9	13.4	19.4	25.4	25.4	22.4	22.4	22.4	22.4
110°	10.4	10.4	10.4	11.9	16.4	20.9	20.9	17.9	17.9	16.4	17.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.0	9.0	9.0	11.9	14.9	17.9	16.4	14.9	13.4	13.4	14.9
115°	9.0	7.5	9.0	10.4	13.4	14.9	14.9	11.9	11.9	11.9	13.4
117.5°	7.5	7.5	7.5	9.0	11.9	13.4	11.9	10.4	10.4	10.4	11.9
120°	7.5	7.5	7.5	9.0	11.9	11.9	10.4	9.0	9.0	9.0	10.4
122.5°	7.5	7.5	7.5	9.0	10.4	10.4	10.4	9.0	9.0	9.0	10.4
125°	7.5	7.5	7.5	9.0	10.4	10.4	9.0	7.5	7.5	7.5	10.4
127.5°	7.5	7.5	7.5	9.0	9.0	9.0	7.5	7.5	7.5	7.5	9.0
130°	7.5	7.5	7.5	9.0	9.0	7.5	7.5	7.5	7.5	7.5	9.0
132.5°	7.5	7.5	7.5	9.0	9.0	7.5	7.5	6.0	7.5	7.5	9.0
135°	7.5	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	7.5	6.0	4.5	6.0	6.0	6.0	7.5
140°	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0
142.5°	6.0	6.0	6.0	6.0	4.5	4.5	3.0	4.5	4.5	4.5	6.0
145°	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5	4.5
147.5°	4.5	4.5	4.5	4.5	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	1.5	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°	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
2.5°	107.5	106.0	106.0	104.5	103.0	103.0	103.0	103.0	101.5	101.5	101.5
5°	110.4	109.0	106.0	103.0	100.0	97.0	97.0	95.5	95.5	94.0	92.5
7.5°	116.4	113.4	107.5	103.0	98.5	94.0	92.5	91.0	89.5	88.1	88.1
10°	128.4	122.4	113.4	104.5	97.0	91.0	88.1	86.6	85.1	83.6	83.6
12.5°	146.3	140.3	125.4	110.4	98.5	91.0	86.6	85.1	83.6	83.6	83.6
15°	176.1	165.7	143.3	122.4	103.0	92.5	88.1	89.5	92.5	92.5	92.5
17.5°	210.4	197.0	164.2	135.8	111.9	100.0	97.0	100.0	103.0	104.5	104.5
20°	250.7	229.8	186.6	149.2	122.4	113.4	110.4	113.4	117.9	120.9	120.9
22.5°	301.5	268.6	210.4	162.7	135.8	126.9	125.4	128.4	134.3	140.3	138.8
25°	359.7	316.4	237.3	177.6	153.7	141.8	143.3	149.2	159.7	165.7	168.6
27.5°	423.9	365.7	264.2	198.5	170.1	158.2	161.2	171.6	188.1	198.5	198.5
30°	492.5	413.4	291.0	219.4	188.1	174.6	180.6	200.0	217.9	231.3	231.3
32.5°	559.7	459.7	311.9	243.3	207.5	191.0	200.0	225.4	249.2	264.2	265.7
35°	611.9	488.0	322.4	261.2	223.9	204.5	216.4	252.2	283.6	300.0	301.5
37.5°	641.8	497.0	323.9	274.6	237.3	216.4	232.8	274.6	308.9	325.4	325.4
40°	637.3	479.1	313.4	282.1	246.3	226.9	247.8	295.5	329.8	341.8	338.8
42.5°	646.2	471.6	306.0	279.1	249.2	232.8	256.7	306.0	334.3	338.8	335.8
45°	656.7	461.2	298.5	276.1	247.8	235.8	261.2	306.0	329.8	328.3	325.4
47.5°	685.0	459.7	294.0	274.6	246.3	234.3	261.2	304.5	322.4	314.9	311.9
50°	723.9	465.7	291.0	271.6	244.8	231.3	258.2	301.5	317.9	310.4	307.4
52.5°	759.7	468.6	285.1	268.6	243.3	229.8	256.7	301.5	314.9	300.0	295.5
55°	805.9	483.6	277.6	262.7	240.3	226.9	255.2	298.5	301.5	283.6	280.6
57.5°	891.0	511.9	271.6	255.2	235.8	225.4	252.2	288.0	292.5	276.1	271.6
60°	953.7	532.8	265.7	249.2	228.3	220.9	244.8	282.1	283.6	261.2	256.7
62.5°	1008.9	547.7	255.2	241.8	223.9	216.4	237.3	268.6	264.2	244.8	243.3
65°	1062.6	559.7	247.8	231.3	214.9	207.5	228.3	250.7	252.2	235.8	232.8
67.5°	1052.2	547.7	232.8	219.4	204.5	197.0	211.9	238.8	240.3	228.3	225.4
70°	989.5	507.4	214.9	206.0	189.5	182.1	195.5	222.4	226.9	217.9	216.4
72.5°	856.7	438.8	191.0	186.6	173.1	165.7	179.1	201.5	208.9	201.5	198.5
75°	720.9	370.1	170.1	165.7	156.7	149.2	159.7	180.6	189.5	188.1	188.1
77.5°	577.6	297.0	150.7	147.8	140.3	134.3	143.3	161.2	173.1	174.6	171.6
80°	464.2	241.8	132.8	131.3	126.9	122.4	126.9	141.8	155.2	158.2	156.7
82.5°	373.1	201.5	117.9	117.9	113.4	110.4	113.4	126.9	143.3	149.2	147.8
85°	286.6	165.7	106.0	104.5	101.5	100.0	103.0	111.9	129.8	137.3	137.3
87.5°	208.9	131.3	94.0	91.0	89.5	89.5	91.0	100.0	116.4	122.4	120.9
90°	144.8	101.5	80.6	77.6	76.1	77.6	80.6	88.1	100.0	101.5	101.5
92.5°	98.5	77.6	67.2	64.2	64.2	67.2	70.1	76.1	83.6	82.1	80.6
95°	68.7	58.2	53.7	52.2	52.2	55.2	58.2	64.2	68.7	65.7	64.2
97.5°	50.7	46.3	44.8	43.3	41.8	46.3	47.8	50.7	55.2	53.7	52.2
100°	40.3	38.8	37.3	35.8	34.3	37.3	38.8	41.8	44.8	41.8	41.8
102.5°	32.8	32.8	31.3	29.8	29.8	31.3	32.8	34.3	35.8	34.3	32.8
105°	26.9	26.9	26.9	25.4	25.4	26.9	28.4	28.4	29.8	26.9	26.9
107.5°	22.4	22.4	23.9	22.4	22.4	23.9	23.9	23.9	23.9	22.4	22.4
110°	19.4	19.4	19.4	19.4	19.4	20.9	20.9	20.9	20.9	19.4	17.9

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CANDELA DISTRIBUTION (continued):

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