

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: P695316

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4920 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

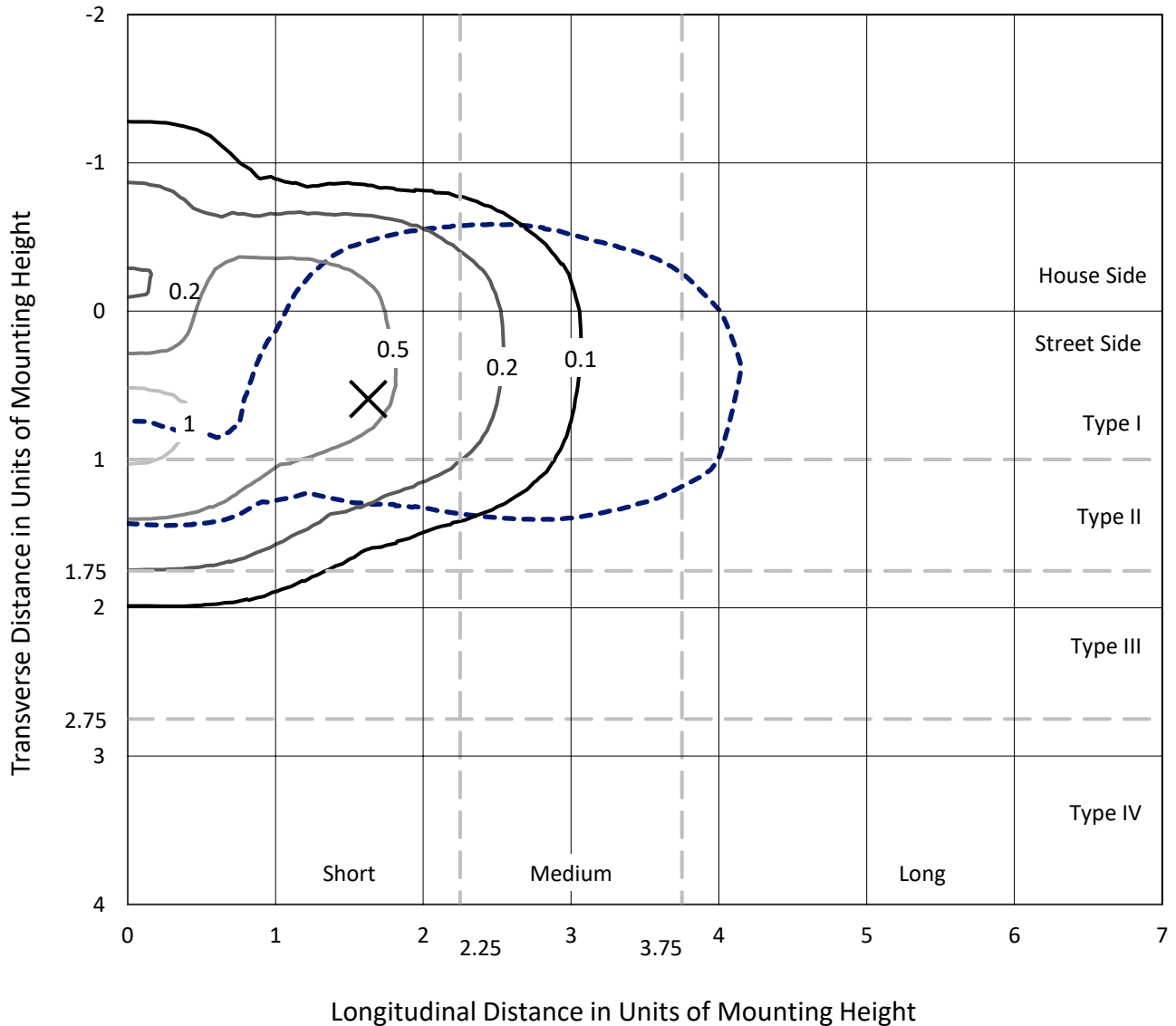
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

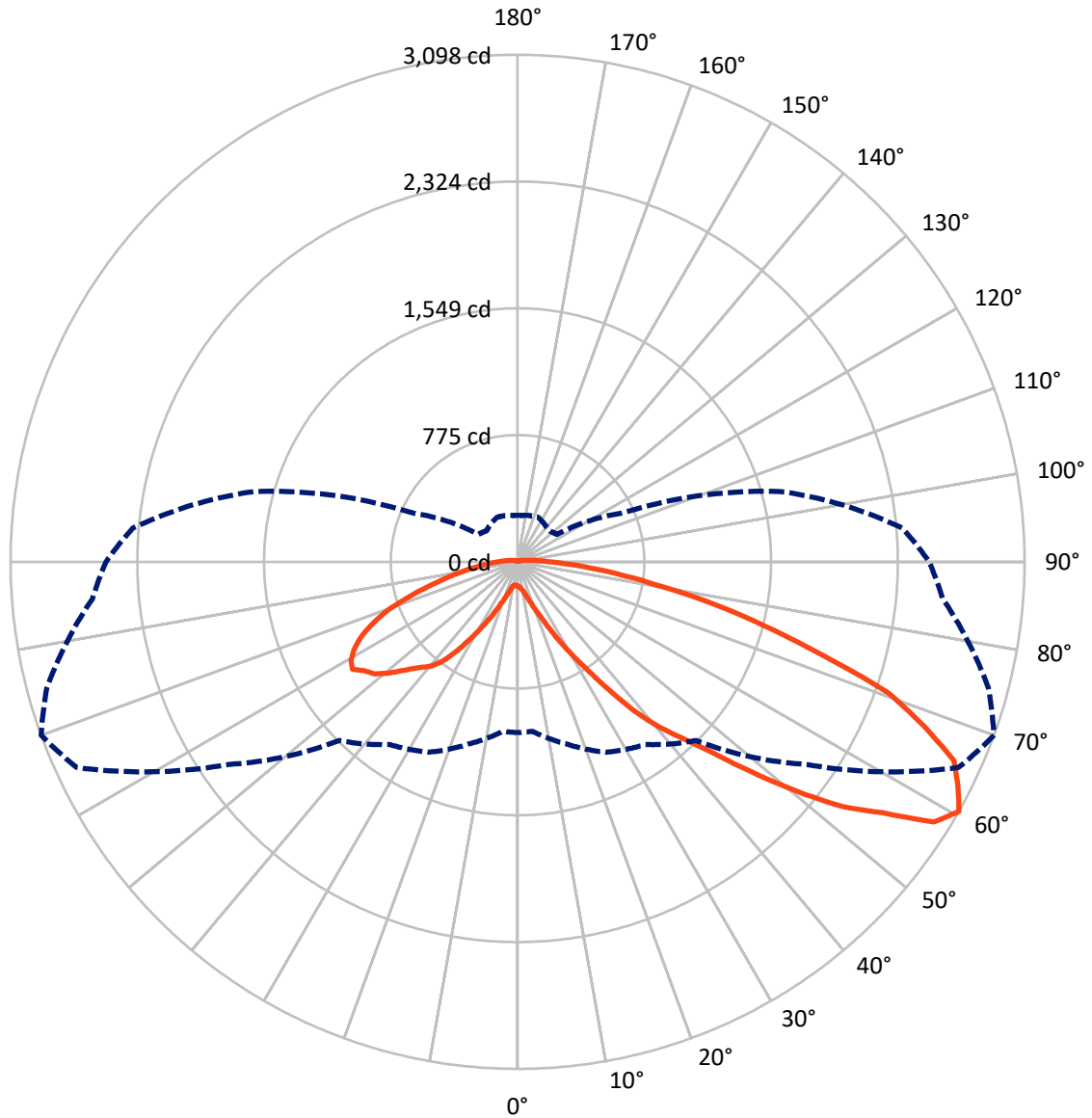
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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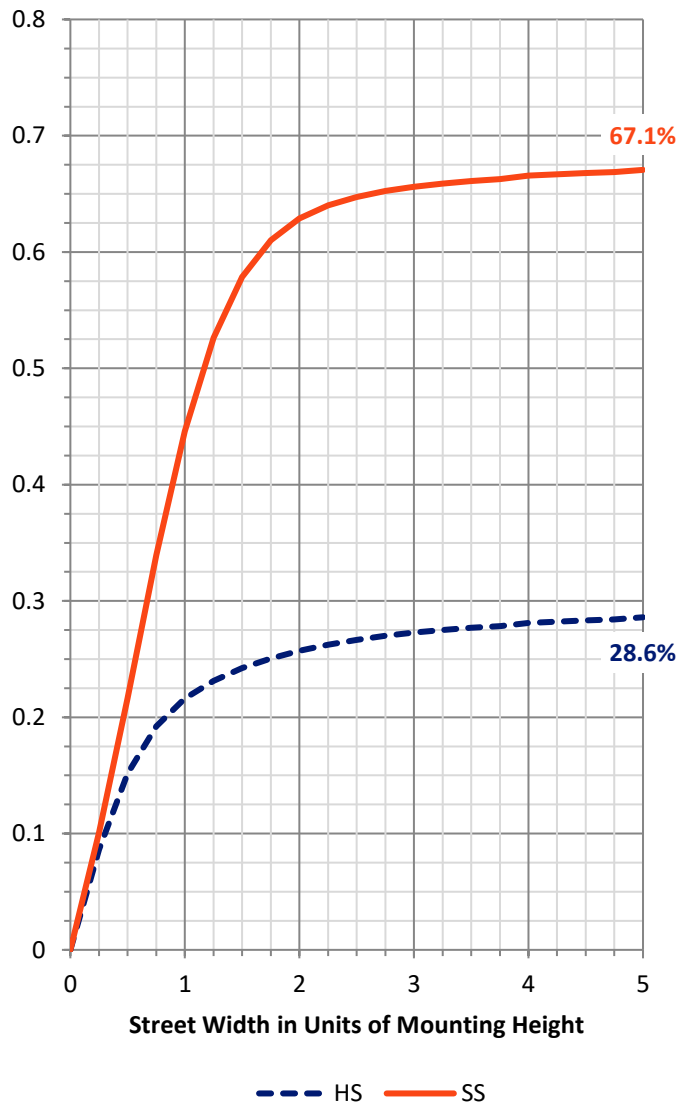
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.5	73.1	1521.6
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	3336.1	62.3	3398.4
	% Fixture	67.8	1.3	69.1
Total	Lumens	4784.6	135.4	4920.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.3
10°-20°	62.7	1.3
20°-30°	198.8	4.0
30°-40°	489.3	9.9
40°-50°	846.7	17.2
50°-60°	1191.7	24.2
60°-70°	1108.1	22.5
70°-80°	631.9	12.8
80°-90°	240.4	4.9
90°-100°	71.7	1.5
100°-110°	29.1	0.6
110°-120°	15.6	0.3
120°-130°	9.8	0.2
130°-140°	6.3	0.1
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4784.6	97.2
0°-180°	4920.0	100.0

Coefficient of Utilization

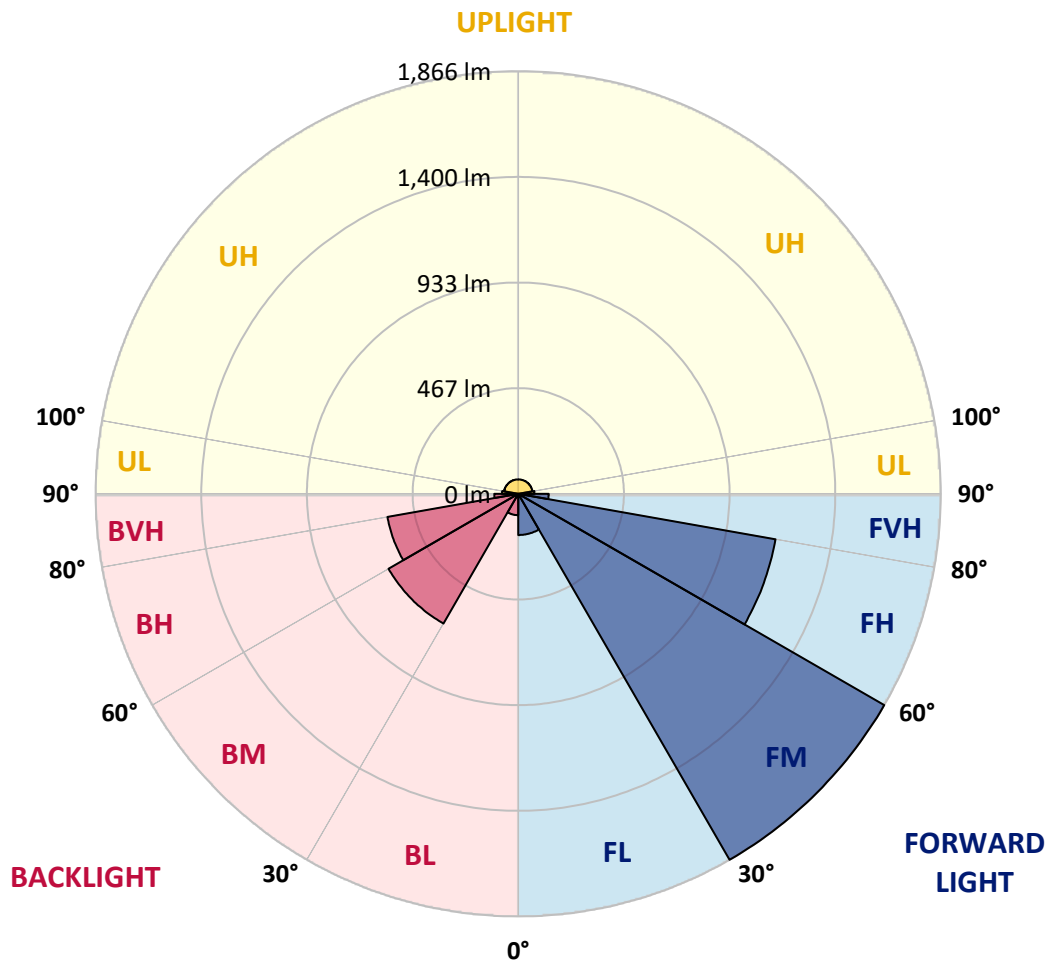


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.0	3.7			
FM (30°-60°)	1866.2	37.9			
FH (60°-80°)	1153.6	23.4			G1/1800
FVH (80°-90°)	134.3	2.7			G2/225
BL (0°-30°)	94.4	1.9	B0/110		
BM (30°-60°)	661.6	13.4	B1/1000		
BH (60°-80°)	586.5	11.9	B2/1000		G2/1000
BVH (80°-90°)	106.1	2.2			G2/225
UL (90°-100°)	71.7	1.5		U3/500	
UH (100°-180°)	63.7	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8
2.5°	159.1	157.4	157.4	157.4	157.4	155.7	154.0	152.2	152.2	150.5	148.8
5°	173.0	173.0	173.0	171.3	169.5	167.8	164.3	160.9	159.1	155.7	152.2
7.5°	195.5	192.0	192.0	190.3	185.1	181.6	176.4	169.5	167.8	164.3	159.1
10°	223.2	221.4	219.7	214.5	205.9	198.9	193.7	185.1	179.9	176.4	169.5
12.5°	266.4	266.4	261.2	250.8	238.7	226.6	216.2	205.9	200.7	195.5	188.6
15°	320.0	318.3	316.6	299.3	280.2	262.9	245.6	233.5	228.3	224.9	212.8
17.5°	390.9	392.7	382.3	354.6	326.9	307.9	287.2	271.6	264.7	259.5	249.1
20°	482.6	480.9	465.3	425.5	394.4	363.3	340.8	316.6	311.4	306.2	294.1
22.5°	602.0	598.5	567.4	519.0	472.3	429.0	399.6	382.3	371.9	365.0	354.6
25°	724.8	738.7	695.4	636.6	569.1	503.4	472.3	461.9	451.5	446.3	432.5
27.5°	918.6	920.3	858.0	762.9	672.9	605.5	565.7	548.4	548.4	541.4	524.1
30°	1124.4	1122.7	1046.6	925.5	802.7	709.2	667.7	657.3	660.8	652.2	627.9
32.5°	1306.0	1302.6	1217.8	1098.5	935.9	821.7	781.9	785.4	788.8	795.7	776.7
35°	1503.3	1501.5	1401.2	1254.2	1077.7	949.7	922.0	954.9	956.6	967.0	923.7
37.5°	1574.2	1584.6	1522.3	1390.8	1204.0	1081.2	1082.9	1119.2	1150.4	1153.8	1093.3
40°	1627.8	1633.0	1575.9	1470.4	1318.2	1217.8	1261.1	1319.9	1321.6	1292.2	1193.6
42.5°	1750.6	1755.8	1676.2	1543.0	1401.2	1356.2	1418.5	1480.8	1468.7	1442.7	1319.9
45°	1830.2	1837.1	1785.2	1657.2	1484.2	1458.3	1572.4	1655.5	1653.7	1636.5	1466.9
47.5°	1911.5	1921.9	1868.3	1747.2	1579.4	1553.4	1742.0	1913.2	1911.5	1863.1	1662.4
50°	1887.3	1895.9	1899.4	1819.8	1646.8	1652.0	1920.1	2183.1	2196.9	2134.7	1901.1
52.5°	1740.2	1754.1	1804.2	1814.6	1695.3	1719.5	2093.1	2468.5	2485.8	2382.0	2086.2
55°	1550.0	1567.3	1633.0	1705.6	1665.9	1736.8	2236.7	2695.1	2705.5	2620.7	2323.2
57.5°	1295.7	1332.0	1416.8	1520.5	1544.8	1695.3	2238.4	2882.0	2999.6	2933.8	2581.0
60°	1043.1	1039.6	1152.1	1283.6	1363.1	1543.0	2158.9	2973.6	3098.2	2978.8	2608.6
62.5°	749.0	761.1	882.2	1034.5	1133.1	1306.0	1973.8	2793.7	3020.3	3016.9	2753.9
65°	534.5	546.6	634.9	780.2	894.3	1082.9	1674.5	2617.3	2928.7	2956.3	2740.1
67.5°	380.6	385.8	453.2	567.4	667.7	826.9	1371.8	2366.5	2677.8	2760.9	2660.5
70°	285.4	290.6	332.1	416.9	487.8	603.7	1095.0	2006.6	2404.5	2525.6	2456.4
72.5°	219.7	226.6	254.3	318.3	359.8	430.7	818.2	1636.5	1944.4	2063.7	2034.3
75°	173.0	176.4	197.2	240.5	266.4	302.7	579.5	1259.3	1548.2	1719.5	1719.5
77.5°	138.4	143.6	157.4	188.6	211.0	224.9	397.9	904.7	1200.5	1373.5	1413.3
80°	110.7	114.2	126.3	148.8	164.3	173.0	268.1	627.9	861.5	1067.3	1183.2
82.5°	88.2	88.2	100.3	117.6	133.2	143.6	197.2	444.6	615.8	771.5	899.5
85°	70.9	72.7	79.6	91.7	107.3	121.1	152.2	304.5	420.4	517.2	622.8
87.5°	55.4	55.4	62.3	70.9	86.5	102.1	124.6	205.9	276.8	356.4	418.6
90°	39.8	41.5	45.0	51.9	67.5	83.0	98.6	143.6	183.4	223.2	264.7
92.5°	29.4	29.4	31.1	36.3	48.4	65.7	79.6	103.8	126.3	145.3	164.3
95°	22.5	22.5	24.2	25.9	34.6	50.2	60.5	76.1	88.2	102.1	110.7
97.5°	19.0	19.0	19.0	20.8	27.7	38.1	46.7	57.1	65.7	74.4	83.0
100°	17.3	17.3	17.3	17.3	22.5	32.9	36.3	45.0	50.2	57.1	62.3
102.5°	15.6	15.6	15.6	15.6	20.8	27.7	31.1	34.6	39.8	43.2	48.4
105°	13.8	13.8	13.8	13.8	17.3	22.5	25.9	29.4	31.1	32.9	36.3
107.5°	12.1	12.1	12.1	12.1	15.6	20.8	22.5	22.5	24.2	25.9	29.4
110°	10.4	10.4	10.4	12.1	13.8	17.3	19.0	19.0	19.0	20.8	24.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	10.4	10.4	10.4	10.4	12.1	15.6	15.6	15.6	17.3	17.3	20.8
115°	8.6	8.6	8.6	10.4	12.1	13.8	13.8	13.8	13.8	15.6	17.3
117.5°	8.6	8.6	8.6	8.6	12.1	13.8	13.8	12.1	12.1	13.8	15.6
120°	8.6	8.6	8.6	8.6	10.4	12.1	12.1	12.1	12.1	12.1	13.8
122.5°	8.6	8.6	8.6	8.6	10.4	10.4	10.4	10.4	10.4	10.4	12.1
125°	8.6	8.6	8.6	8.6	10.4	10.4	10.4	8.6	8.6	10.4	12.1
127.5°	10.4	10.4	8.6	8.6	8.6	10.4	8.6	8.6	8.6	8.6	10.4
130°	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	10.4
132.5°	10.4	10.4	8.6	8.6	8.6	8.6	8.6	6.9	6.9	8.6	10.4
135°	8.6	10.4	8.6	8.6	8.6	6.9	6.9	6.9	6.9	6.9	8.6
137.5°	8.6	8.6	8.6	6.9	6.9	6.9	5.2	5.2	5.2	6.9	6.9
140°	8.6	8.6	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9
142.5°	6.9	6.9	6.9	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2
145°	6.9	6.9	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	5.2	5.2	5.2	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7
150°	5.2	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8
2.5°	148.8	147.0	145.3	145.3	143.6	141.8	140.1	140.1	140.1	140.1	140.1
5°	150.5	148.8	145.3	141.8	138.4	134.9	133.2	129.7	129.7	129.7	128.0
7.5°	155.7	152.2	147.0	140.1	134.9	129.7	124.6	122.8	121.1	119.4	119.4
10°	164.3	160.9	152.2	143.6	134.9	128.0	121.1	115.9	112.4	112.4	112.4
12.5°	181.6	176.4	164.3	150.5	138.4	128.0	119.4	114.2	112.4	112.4	114.2
15°	209.3	202.4	185.1	167.8	148.8	133.2	126.3	126.3	128.0	129.7	129.7
17.5°	242.2	233.5	214.5	190.3	167.8	152.2	145.3	147.0	150.5	152.2	152.2
20°	288.9	273.3	254.3	221.4	192.0	178.2	169.5	167.8	176.4	179.9	179.9
22.5°	342.5	333.9	302.7	261.2	226.6	205.9	193.7	190.3	198.9	202.4	202.4
25°	422.1	404.8	368.5	313.1	268.1	233.5	216.2	212.8	224.9	231.8	231.8
27.5°	513.8	487.8	442.8	371.9	309.6	259.5	237.0	237.0	249.1	259.5	261.2
30°	608.9	579.5	525.9	437.7	351.2	280.2	252.6	254.3	266.4	282.0	278.5
32.5°	747.3	705.8	626.2	512.0	389.2	297.5	261.2	268.1	287.2	307.9	304.5
35°	882.2	839.0	743.8	595.1	422.1	306.2	266.4	282.0	302.7	318.3	318.3
37.5°	1025.8	972.2	851.1	667.7	456.7	311.4	269.9	285.4	306.2	316.6	316.6
40°	1121.0	1067.3	928.9	719.6	470.5	309.6	268.1	283.7	297.5	301.0	297.5
42.5°	1240.3	1160.7	989.5	743.8	463.6	301.0	262.9	275.0	280.2	278.5	278.5
45°	1382.2	1293.9	1076.0	752.5	442.8	287.2	256.0	264.7	271.6	273.3	273.3
47.5°	1572.4	1470.4	1188.4	766.3	416.9	273.3	252.6	266.4	273.3	268.1	268.1
50°	1792.1	1672.8	1318.2	778.4	390.9	262.9	254.3	271.6	273.3	268.1	266.4
52.5°	1966.9	1837.1	1430.6	792.3	365.0	257.7	261.2	278.5	276.8	268.1	266.4
55°	2198.7	2065.5	1530.9	761.1	340.8	259.5	268.1	285.4	280.2	266.4	266.4
57.5°	2472.0	2311.1	1664.1	743.8	313.1	264.7	276.8	292.3	283.7	271.6	269.9
60°	2515.2	2359.5	1660.7	700.6	292.3	268.1	283.7	299.3	292.3	283.7	283.7
62.5°	2662.3	2494.5	1633.0	624.5	276.8	268.1	288.9	307.9	309.6	304.5	302.7
65°	2643.2	2459.9	1562.1	548.4	262.9	264.7	292.3	318.3	320.0	321.8	321.8
67.5°	2574.0	2382.0	1439.2	480.9	247.4	259.5	292.3	316.6	325.2	332.1	332.1
70°	2363.0	2188.3	1283.6	413.4	231.8	245.6	278.5	306.2	314.8	323.5	325.2
72.5°	1977.2	1814.6	1053.5	351.2	211.0	224.9	254.3	280.2	290.6	297.5	295.8
75°	1648.6	1517.1	856.3	278.5	188.6	198.9	223.2	245.6	252.6	257.7	257.7
77.5°	1361.4	1243.8	674.6	228.3	164.3	173.0	192.0	209.3	216.2	218.0	214.5
80°	1136.5	998.1	529.3	185.1	140.1	145.3	164.3	178.2	185.1	181.6	183.4
82.5°	878.8	764.6	401.3	155.7	122.8	124.6	138.4	150.5	155.7	152.2	150.5
85°	596.8	519.0	288.9	134.9	107.3	105.5	114.2	124.6	128.0	126.3	124.6
87.5°	394.4	342.5	209.3	115.9	93.4	91.7	96.9	105.5	109.0	107.3	103.8
90°	249.1	226.6	150.5	98.6	81.3	77.8	81.3	86.5	91.7	90.0	88.2
92.5°	159.1	143.6	110.7	81.3	69.2	65.7	65.7	69.2	72.7	69.2	65.7
95°	107.3	103.8	84.8	65.7	57.1	53.6	51.9	51.9	55.4	51.9	50.2
97.5°	83.0	79.6	69.2	51.9	45.0	43.2	41.5	41.5	45.0	41.5	39.8
100°	64.0	64.0	55.4	43.2	34.6	34.6	34.6	36.3	38.1	36.3	36.3
102.5°	50.2	50.2	46.7	36.3	29.4	29.4	29.4	31.1	34.6	32.9	32.9
105°	38.1	39.8	38.1	29.4	25.9	25.9	25.9	27.7	29.4	29.4	29.4
107.5°	31.1	32.9	31.1	25.9	22.5	22.5	22.5	24.2	25.9	27.7	27.7
110°	25.9	27.7	25.9	22.5	20.8	20.8	20.8	20.8	24.2	24.2	25.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.8	22.5	22.5	19.0	19.0	19.0	17.3	19.0	20.8	22.5	22.5
115°	19.0	19.0	19.0	17.3	17.3	17.3	15.6	15.6	19.0	20.8	20.8
117.5°	17.3	17.3	17.3	15.6	15.6	15.6	13.8	13.8	15.6	19.0	19.0
120°	15.6	15.6	15.6	13.8	13.8	13.8	12.1	12.1	13.8	17.3	17.3
122.5°	13.8	13.8	13.8	12.1	12.1	12.1	12.1	12.1	13.8	15.6	15.6
125°	12.1	12.1	12.1	12.1	12.1	10.4	10.4	10.4	12.1	13.8	13.8
127.5°	12.1	12.1	12.1	10.4	10.4	10.4	10.4	10.4	10.4	12.1	13.8
130°	10.4	10.4	10.4	10.4	8.6	8.6	8.6	8.6	10.4	12.1	12.1
132.5°	10.4	10.4	10.4	8.6	8.6	8.6	8.6	8.6	10.4	10.4	12.1
135°	8.6	10.4	8.6	8.6	8.6	6.9	6.9	6.9	8.6	10.4	10.4
137.5°	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6	8.6
140°	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9	8.6	8.6
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	6.9	6.9
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
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)