

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: P695226

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695226  
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-PA16-40-827-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA 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: 3504 lumens  
Efficiency: N/A  
Efficacy: 87.2 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: B1 - U3 - G1

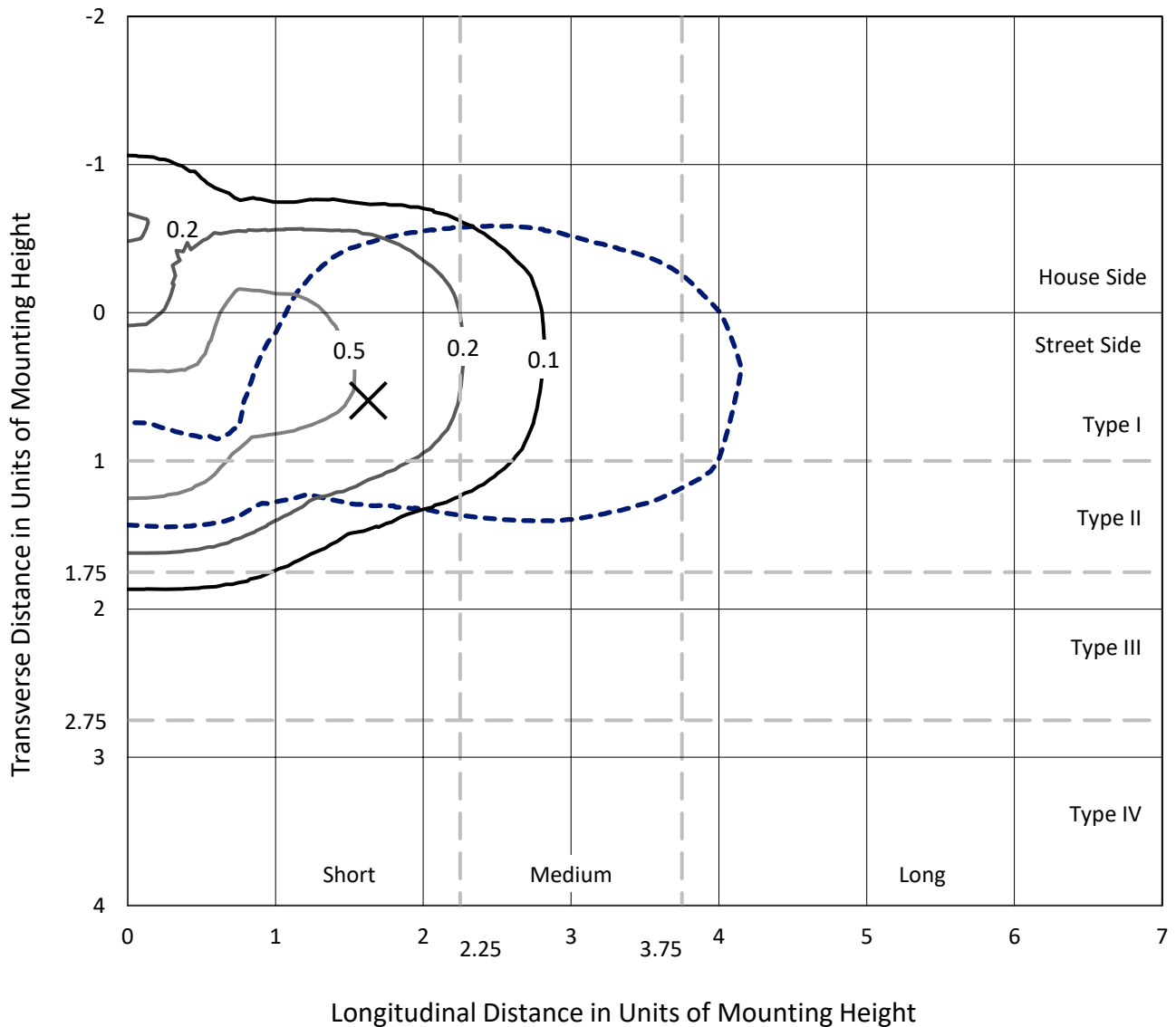
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

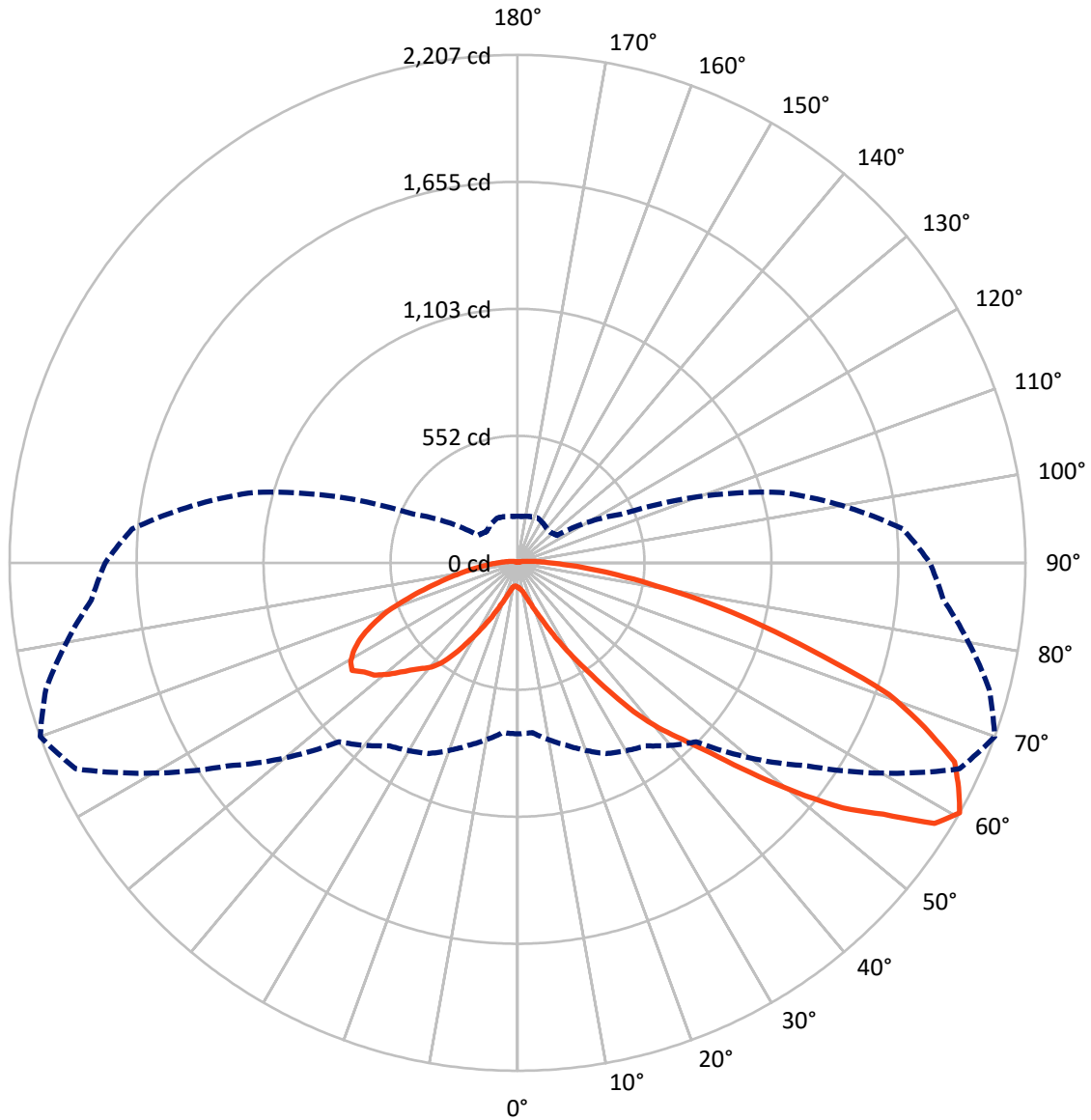
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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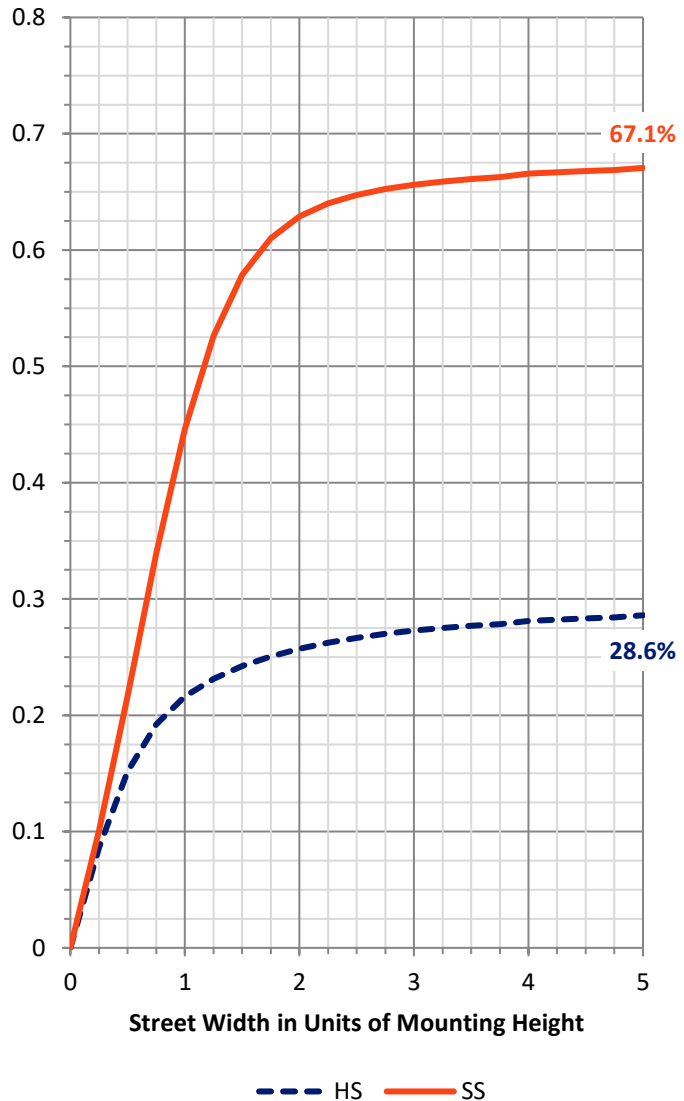
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1031.6	52.1	1083.7
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	2375.9	44.4	2420.3
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	3407.6	96.5	3504.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.3
10°-20°	44.7	1.3
20°-30°	141.6	4.0
30°-40°	348.5	9.9
40°-50°	603.0	17.2
50°-60°	848.7	24.2
60°-70°	789.2	22.5
70°-80°	450.1	12.8
80°-90°	171.2	4.9
90°-100°	51.1	1.5
100°-110°	20.8	0.6
110°-120°	11.1	0.3
120°-130°	7.0	0.2
130°-140°	4.5	0.1
140°-150°	2.0	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3407.6	97.2
0°-180°	3504.0	100.0

**Coefficient of Utilization**

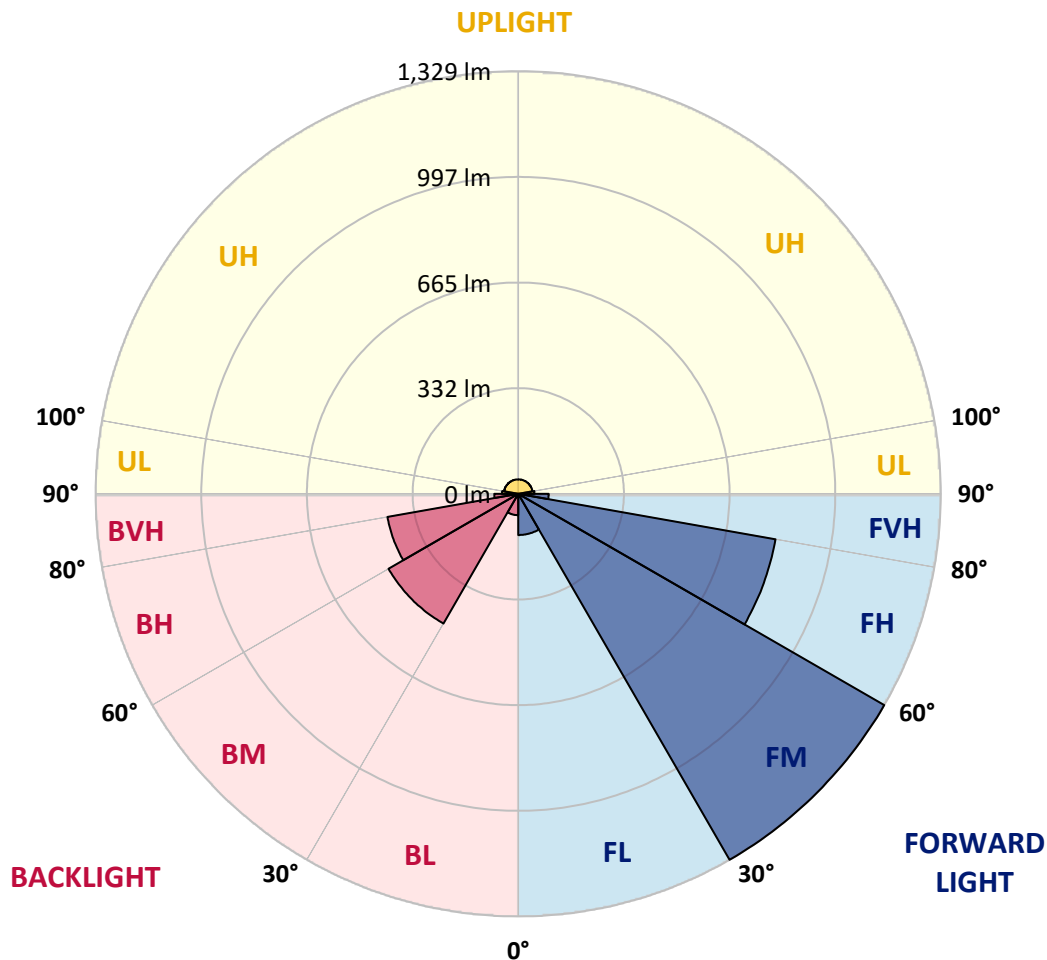


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.6	3.7			
FM (30°-60°)	1329.1	37.9			
FH (60°-80°)	821.6	23.4			G1/1800
FVH (80°-90°)	95.6	2.7			G1/100
BL (0°-30°)	67.2	1.9	B0/110		
BM (30°-60°)	471.2	13.4	B1/1000		
BH (60°-80°)	417.7	11.9	B1/500		G1/500
BVH (80°-90°)	75.6	2.2			G1/100
UL (90°-100°)	51.1	1.5		U3/500	
UH (100°-180°)	45.4	1.3		U2/50	

**BUG Rating: B1-U3-G1**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	113.3	112.1	112.1	112.1	112.1	110.9	109.6	108.4	108.4	107.2	106.0
5°	123.2	123.2	123.2	122.0	120.7	119.5	117.0	114.6	113.3	110.9	108.4
7.5°	139.2	136.8	136.8	135.5	131.8	129.4	125.7	120.7	119.5	117.0	113.3
10°	158.9	157.7	156.5	152.8	146.6	141.7	138.0	131.8	128.1	125.7	120.7
12.5°	189.7	189.7	186.0	178.6	170.0	161.4	154.0	146.6	142.9	139.2	134.3
15°	227.9	226.7	225.5	213.1	199.6	187.3	174.9	166.3	162.6	160.2	151.5
17.5°	278.4	279.7	272.3	252.6	232.8	219.3	204.5	193.4	188.5	184.8	177.4
20°	343.7	342.5	331.4	303.1	280.9	258.7	242.7	225.5	221.8	218.1	209.4
22.5°	428.7	426.3	404.1	369.6	336.3	305.5	284.6	272.3	264.9	260.0	252.6
25°	516.2	526.1	495.3	453.4	405.3	358.5	336.3	328.9	321.6	317.9	308.0
27.5°	654.2	655.4	611.1	543.3	479.2	431.2	402.9	390.5	390.5	385.6	373.3
30°	800.8	799.6	745.4	659.1	571.6	505.1	475.6	468.2	470.6	464.5	447.2
32.5°	930.2	927.7	867.3	782.3	666.5	585.2	556.9	559.3	561.8	566.7	553.2
35°	1070.6	1069.4	997.9	893.2	767.5	676.4	656.7	680.1	681.3	688.7	657.9
37.5°	1121.1	1128.5	1084.2	990.5	857.5	770.0	771.2	797.1	819.3	821.7	778.6
40°	1159.3	1163.0	1122.4	1047.2	938.8	867.3	898.1	940.0	941.2	920.3	850.1
42.5°	1246.8	1250.5	1193.8	1098.9	997.9	965.9	1010.2	1054.6	1046.0	1027.5	940.0
45°	1303.5	1308.4	1271.4	1180.3	1057.1	1038.6	1119.9	1179.0	1177.8	1165.5	1044.7
47.5°	1361.4	1368.8	1330.6	1244.3	1124.8	1106.3	1240.6	1362.6	1361.4	1326.9	1184.0
50°	1344.1	1350.3	1352.7	1296.1	1172.9	1176.6	1367.5	1554.8	1564.6	1520.3	1354.0
52.5°	1239.4	1249.2	1285.0	1292.4	1207.4	1224.6	1490.7	1758.1	1770.4	1696.5	1485.8
55°	1103.9	1116.2	1163.0	1214.8	1186.4	1236.9	1593.0	1919.5	1926.8	1866.5	1654.6
57.5°	922.8	948.6	1009.0	1082.9	1100.2	1207.4	1594.2	2052.5	2136.3	2089.5	1838.1
60°	742.9	740.4	820.5	914.1	970.8	1098.9	1537.5	2117.8	2206.5	2121.5	1857.9
62.5°	533.5	542.1	628.3	736.7	807.0	930.2	1405.7	1989.7	2151.1	2148.6	1961.3
65°	380.7	389.3	452.1	555.6	636.9	771.2	1192.6	1864.0	2085.8	2105.5	1951.5
67.5°	271.0	274.7	322.8	404.1	475.6	588.9	977.0	1685.4	1907.1	1966.3	1894.8
70°	203.3	207.0	236.5	296.9	347.4	430.0	779.9	1429.1	1712.5	1798.7	1749.4
72.5°	156.5	161.4	181.1	226.7	256.3	306.8	582.7	1165.5	1384.8	1469.8	1448.8
75°	123.2	125.7	140.4	171.2	189.7	215.6	412.7	896.9	1102.6	1224.6	1224.6
77.5°	98.6	102.3	112.1	134.3	150.3	160.2	283.4	644.3	855.0	978.2	1006.5
80°	78.8	81.3	89.9	106.0	117.0	123.2	191.0	447.2	613.5	760.1	842.7
82.5°	62.8	62.8	71.5	83.8	94.9	102.3	140.4	316.6	438.6	549.5	640.6
85°	50.5	51.7	56.7	65.3	76.4	86.2	108.4	216.8	299.4	368.4	443.5
87.5°	39.4	39.4	44.4	50.5	61.6	72.7	88.7	146.6	197.1	253.8	298.1
90°	28.3	29.6	32.0	37.0	48.0	59.1	70.2	102.3	130.6	158.9	188.5
92.5°	20.9	20.9	22.2	25.9	34.5	46.8	56.7	73.9	89.9	103.5	117.0
95°	16.0	16.0	17.2	18.5	24.6	35.7	43.1	54.2	62.8	72.7	78.8
97.5°	13.6	13.6	13.6	14.8	19.7	27.1	33.3	40.7	46.8	53.0	59.1
100°	12.3	12.3	12.3	12.3	16.0	23.4	25.9	32.0	35.7	40.7	44.4
102.5°	11.1	11.1	11.1	11.1	14.8	19.7	22.2	24.6	28.3	30.8	34.5
105°	9.9	9.9	9.9	9.9	12.3	16.0	18.5	20.9	22.2	23.4	25.9
107.5°	8.6	8.6	8.6	8.6	11.1	14.8	16.0	16.0	17.2	18.5	20.9
110°	7.4	7.4	7.4	8.6	9.9	12.3	13.6	13.6	13.6	14.8	17.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.4	7.4	7.4	7.4	8.6	11.1	11.1	11.1	12.3	12.3	14.8
115°	6.2	6.2	6.2	7.4	8.6	9.9	9.9	9.9	9.9	11.1	12.3
117.5°	6.2	6.2	6.2	6.2	8.6	9.9	9.9	8.6	8.6	9.9	11.1
120°	6.2	6.2	6.2	6.2	7.4	8.6	8.6	8.6	8.6	8.6	9.9
122.5°	6.2	6.2	6.2	6.2	7.4	7.4	7.4	7.4	7.4	7.4	8.6
125°	6.2	6.2	6.2	6.2	7.4	7.4	7.4	6.2	6.2	7.4	8.6
127.5°	7.4	7.4	6.2	6.2	6.2	7.4	6.2	6.2	6.2	6.2	7.4
130°	7.4	7.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.4
132.5°	7.4	7.4	6.2	6.2	6.2	6.2	6.2	4.9	4.9	6.2	7.4
135°	6.2	7.4	6.2	6.2	6.2	4.9	4.9	4.9	4.9	4.9	6.2
137.5°	6.2	6.2	6.2	4.9	4.9	4.9	3.7	3.7	3.7	4.9	4.9
140°	6.2	6.2	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9
142.5°	4.9	4.9	4.9	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7
145°	4.9	4.9	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	3.7	3.7	3.7	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
150°	3.7	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	106.0	104.7	103.5	103.5	102.3	101.0	99.8	99.8	99.8	99.8	99.8
5°	107.2	106.0	103.5	101.0	98.6	96.1	94.9	92.4	92.4	92.4	91.2
7.5°	110.9	108.4	104.7	99.8	96.1	92.4	88.7	87.5	86.2	85.0	85.0
10°	117.0	114.6	108.4	102.3	96.1	91.2	86.2	82.5	80.1	80.1	80.1
12.5°	129.4	125.7	117.0	107.2	98.6	91.2	85.0	81.3	80.1	80.1	81.3
15°	149.1	144.1	131.8	119.5	106.0	94.9	89.9	89.9	91.2	92.4	92.4
17.5°	172.5	166.3	152.8	135.5	119.5	108.4	103.5	104.7	107.2	108.4	108.4
20°	205.7	194.7	181.1	157.7	136.8	126.9	120.7	119.5	125.7	128.1	128.1
22.5°	243.9	237.8	215.6	186.0	161.4	146.6	138.0	135.5	141.7	144.1	144.1
25°	300.6	288.3	262.4	223.0	191.0	166.3	154.0	151.5	160.2	165.1	165.1
27.5°	365.9	347.4	315.4	264.9	220.5	184.8	168.8	168.8	177.4	184.8	186.0
30°	433.7	412.7	374.5	311.7	250.1	199.6	179.9	181.1	189.7	200.8	198.4
32.5°	532.2	502.7	446.0	364.7	277.2	211.9	186.0	191.0	204.5	219.3	216.8
35°	628.3	597.5	529.8	423.8	300.6	218.1	189.7	200.8	215.6	226.7	226.7
37.5°	730.6	692.4	606.1	475.6	325.2	221.8	192.2	203.3	218.1	225.5	225.5
40°	798.3	760.1	661.6	512.5	335.1	220.5	191.0	202.0	211.9	214.4	211.9
42.5°	883.3	826.7	704.7	529.8	330.2	214.4	187.3	195.9	199.6	198.4	198.4
45°	984.4	921.5	766.3	535.9	315.4	204.5	182.3	188.5	193.4	194.7	194.7
47.5°	1119.9	1047.2	846.4	545.8	296.9	194.7	179.9	189.7	194.7	191.0	191.0
50°	1276.4	1191.3	938.8	554.4	278.4	187.3	181.1	193.4	194.7	191.0	189.7
52.5°	1400.8	1308.4	1018.9	564.3	260.0	183.6	186.0	198.4	197.1	191.0	189.7
55°	1565.9	1471.0	1090.3	542.1	242.7	184.8	191.0	203.3	199.6	189.7	189.7
57.5°	1760.5	1646.0	1185.2	529.8	223.0	188.5	197.1	208.2	202.0	193.4	192.2
60°	1791.3	1680.4	1182.7	499.0	208.2	191.0	202.0	213.1	208.2	202.0	202.0
62.5°	1896.0	1776.5	1163.0	444.8	197.1	191.0	205.7	219.3	220.5	216.8	215.6
65°	1882.5	1751.9	1112.5	390.5	187.3	188.5	208.2	226.7	227.9	229.2	229.2
67.5°	1833.2	1696.5	1025.0	342.5	176.2	184.8	208.2	225.5	231.6	236.5	236.5
70°	1682.9	1558.5	914.1	294.4	165.1	174.9	198.4	218.1	224.2	230.4	231.6
72.5°	1408.2	1292.4	750.3	250.1	150.3	160.2	181.1	199.6	207.0	211.9	210.7
75°	1174.1	1080.5	609.8	198.4	134.3	141.7	158.9	174.9	179.9	183.6	183.6
77.5°	969.6	885.8	480.5	162.6	117.0	123.2	136.8	149.1	154.0	155.2	152.8
80°	809.4	710.9	377.0	131.8	99.8	103.5	117.0	126.9	131.8	129.4	130.6
82.5°	625.9	544.5	285.8	110.9	87.5	88.7	98.6	107.2	110.9	108.4	107.2
85°	425.0	369.6	205.7	96.1	76.4	75.2	81.3	88.7	91.2	89.9	88.7
87.5°	280.9	243.9	149.1	82.5	66.5	65.3	69.0	75.2	77.6	76.4	73.9
90°	177.4	161.4	107.2	70.2	57.9	55.4	57.9	61.6	65.3	64.1	62.8
92.5°	113.3	102.3	78.8	57.9	49.3	46.8	46.8	49.3	51.7	49.3	46.8
95°	76.4	73.9	60.4	46.8	40.7	38.2	37.0	37.0	39.4	37.0	35.7
97.5°	59.1	56.7	49.3	37.0	32.0	30.8	29.6	29.6	32.0	29.6	28.3
100°	45.6	45.6	39.4	30.8	24.6	24.6	24.6	25.9	27.1	25.9	25.9
102.5°	35.7	35.7	33.3	25.9	20.9	20.9	20.9	22.2	24.6	23.4	23.4
105°	27.1	28.3	27.1	20.9	18.5	18.5	18.5	19.7	20.9	20.9	20.9
107.5°	22.2	23.4	22.2	18.5	16.0	16.0	16.0	17.2	18.5	19.7	19.7
110°	18.5	19.7	18.5	16.0	14.8	14.8	14.8	14.8	17.2	17.2	18.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	16.0	16.0	13.6	13.6	13.6	12.3	13.6	14.8	16.0	16.0
115°	13.6	13.6	13.6	12.3	12.3	12.3	11.1	11.1	13.6	14.8	14.8
117.5°	12.3	12.3	12.3	11.1	11.1	11.1	9.9	9.9	11.1	13.6	13.6
120°	11.1	11.1	11.1	9.9	9.9	9.9	8.6	8.6	9.9	12.3	12.3
122.5°	9.9	9.9	9.9	8.6	8.6	8.6	8.6	8.6	9.9	11.1	11.1
125°	8.6	8.6	8.6	8.6	8.6	7.4	7.4	7.4	8.6	9.9	9.9
127.5°	8.6	8.6	8.6	7.4	7.4	7.4	7.4	7.4	7.4	8.6	9.9
130°	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2	7.4	8.6	8.6
132.5°	7.4	7.4	7.4	6.2	6.2	6.2	6.2	6.2	7.4	7.4	8.6
135°	6.2	7.4	6.2	6.2	6.2	4.9	4.9	4.9	6.2	7.4	7.4
137.5°	6.2	6.2	4.9	4.9	4.9	4.9	4.9	4.9	6.2	6.2	6.2
140°	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9	6.2	6.2
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	4.9	4.9
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
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

(END OF REPORT)