

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: P254693

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6968.3 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

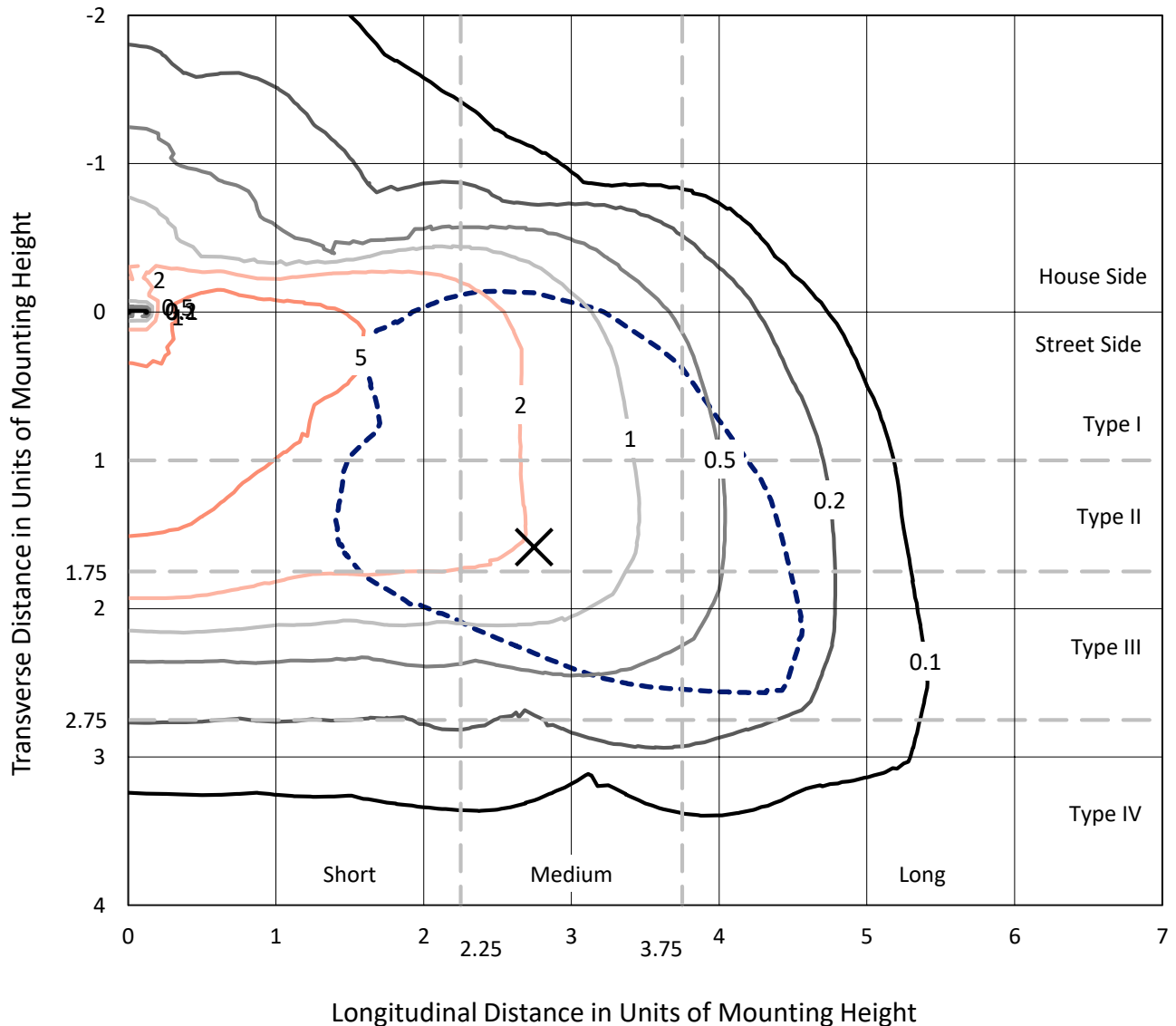
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

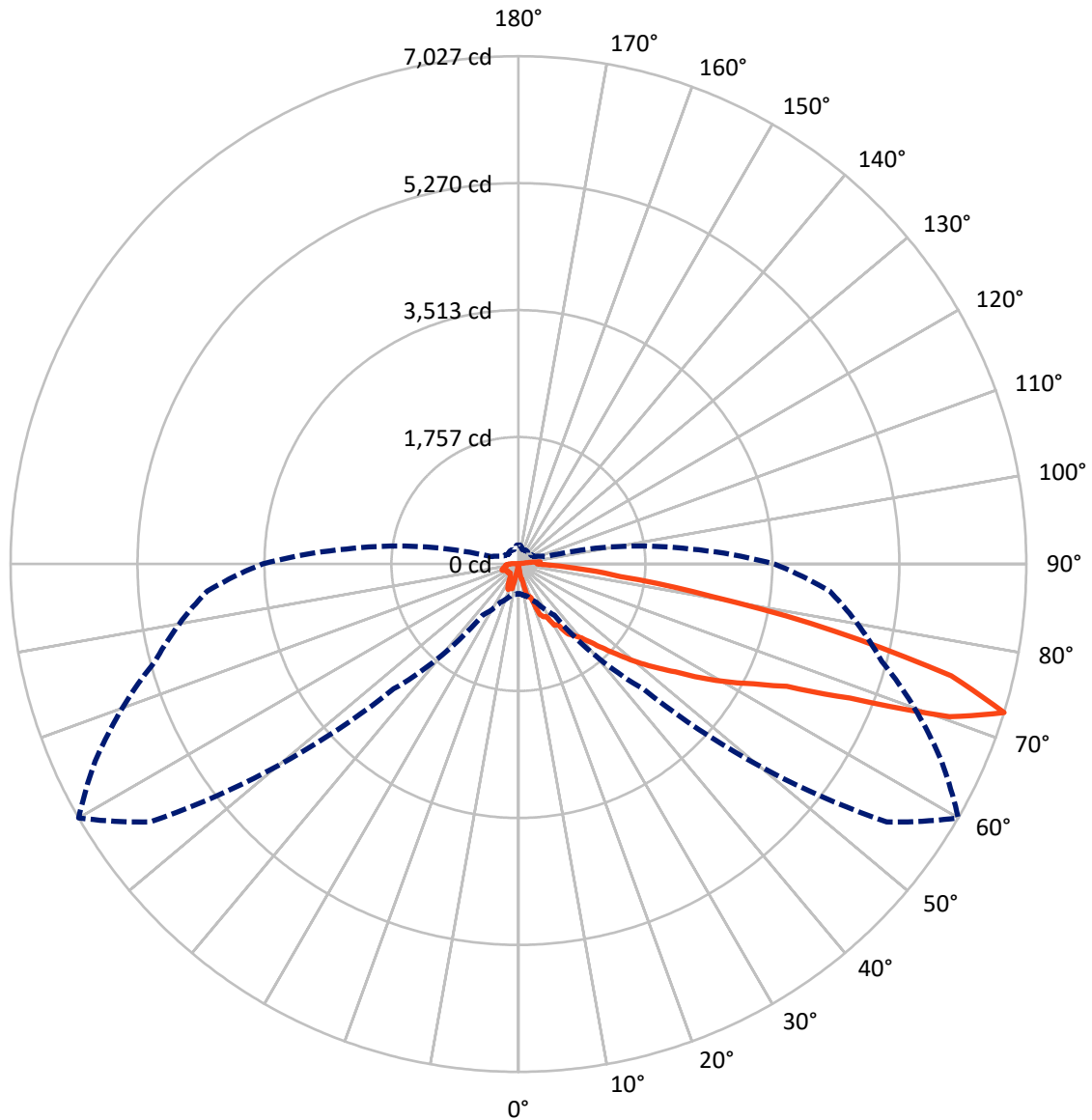
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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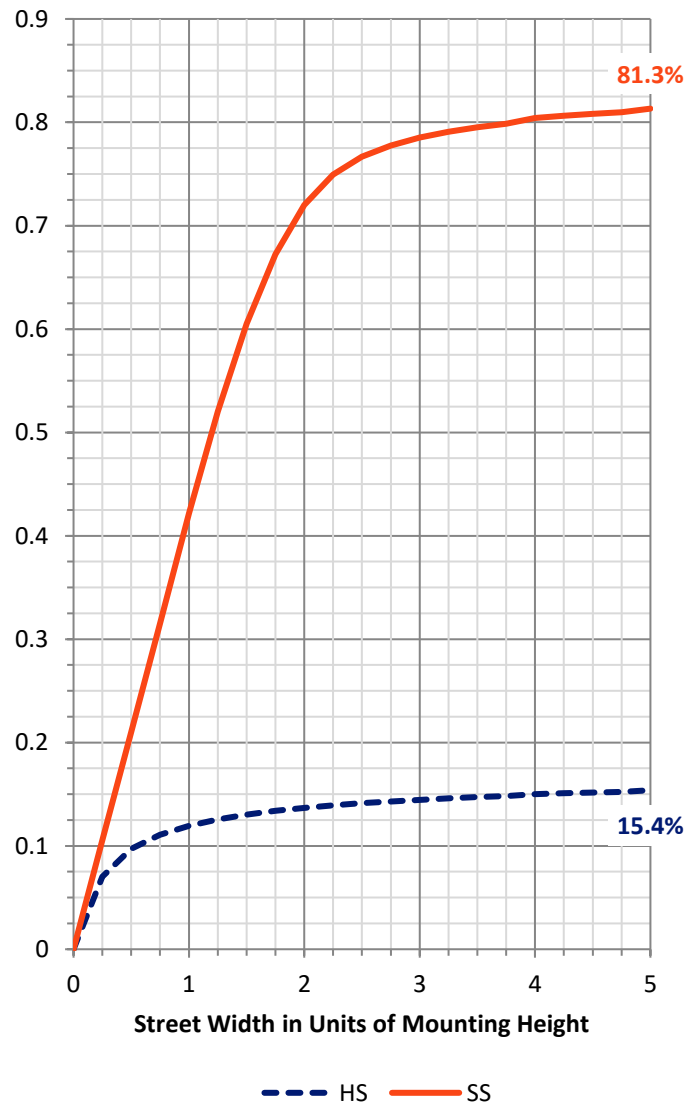
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1130.8	45.4	1176.2
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	5734.1	58.1	5792.2
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	6864.9	103.4	6968.3
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	93.4	1.3
20°-30°	274.0	3.9
30°-40°	545.8	7.8
40°-50°	938.3	13.5
50°-60°	1435.5	20.6
60°-70°	1809.5	26.0
70°-80°	1440.3	20.7
80°-90°	320.4	4.6
90°-100°	90.1	1.3
100°-110°	8.9	0.1
110°-120°	1.7	0.0
120°-130°	1.3	0.0
130°-140°	0.6	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6864.9	98.5
0°-180°	6968.3	100.0



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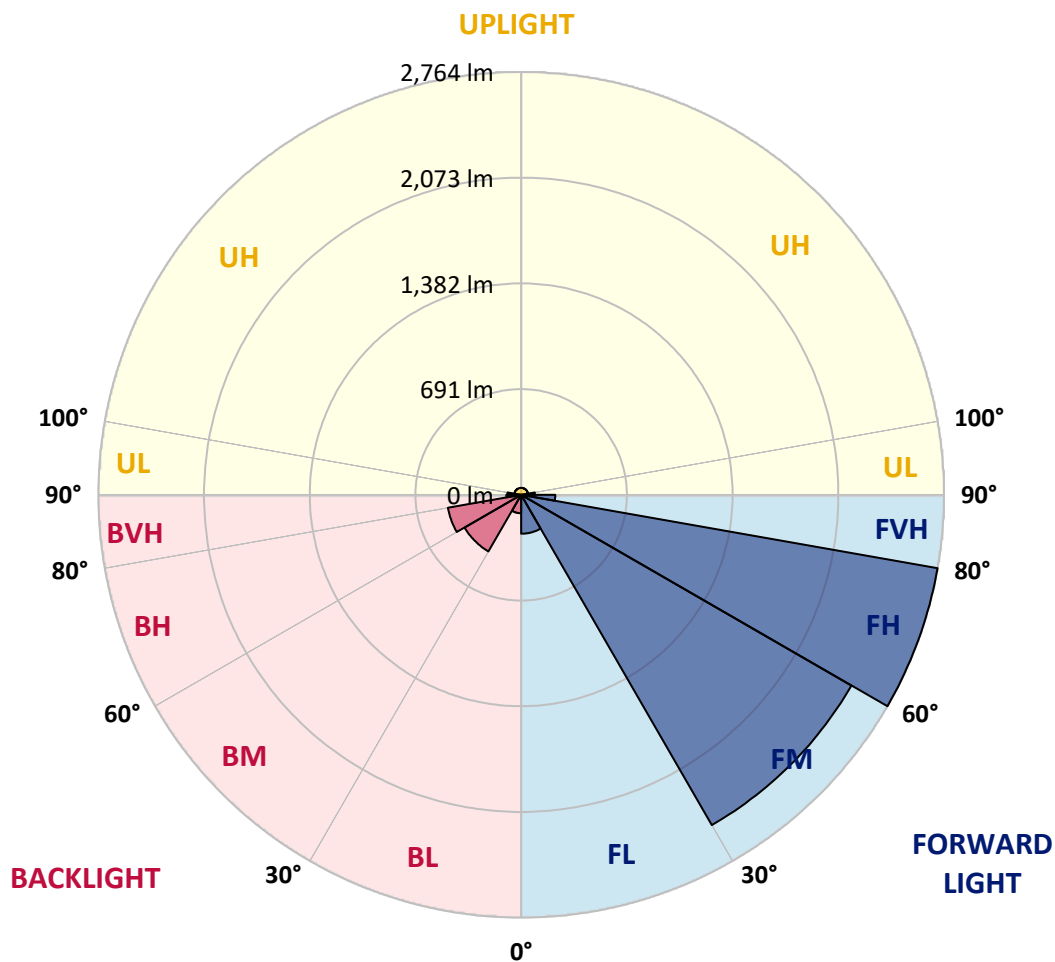
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.5	3.7			
FM	(30°-60°)	2492.8	35.8			
FH	(60°-80°)	2764.0	39.7			G2/5000
FVH	(80°-90°)	222.9	3.2			G2/225
BL	(0°-30°)	120.5	1.7	B1/500		
BM	(30°-60°)	426.9	6.1	B1/1000		
BH	(60°-80°)	485.9	7.0	B1/500		G1/500
BVH	(80°-90°)	97.5	1.4			G1/100
UL	(90°-100°)	90.1	1.3		U3/500	
UH	(100°-180°)	45.4	0.7		U2/50	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.5	4.3	3.5	4.3	4.3	3.5	2.6	3.5	3.5	3.5	2.6
5°	213.5	216.0	192.9	150.9	29.2	20.6	6.9	4.3	4.3	3.5	3.5
7.5°	215.1	216.9	226.3	222.9	227.2	216.9	75.4	22.3	9.4	4.3	3.5
10°	231.5	230.6	228.0	233.1	232.3	221.2	213.5	204.0	46.3	6.0	5.1
12.5°	446.6	448.4	437.2	353.2	246.0	228.0	220.3	213.5	174.0	124.3	288.9
15°	450.1	447.4	435.5	454.3	447.4	261.5	366.0	467.2	470.7	349.7	402.0
17.5°	473.2	467.2	452.7	439.8	437.2	522.0	491.2	465.4	474.0	407.2	435.5
20°	643.7	637.8	630.0	614.7	468.1	595.8	594.0	496.3	500.6	812.6	792.1
22.5°	654.1	643.7	637.8	629.2	700.4	585.5	704.6	755.2	757.8	862.3	835.9
25°	869.2	865.8	811.8	654.1	698.7	666.0	808.3	810.1	793.0	906.9	996.1
27.5°	962.7	935.3	885.6	856.4	719.2	795.5	806.7	819.5	1030.4	1229.3	1199.3
30°	1293.6	1257.6	988.4	962.7	852.1	807.5	931.0	979.8	1065.5	1234.4	1242.2
32.5°	1493.3	1444.5	1309.0	1199.3	1010.7	888.1	996.1	1003.0	1073.3	1538.7	1570.4
35°	1845.6	1781.4	1466.7	1335.6	1180.4	1057.8	1032.2	1193.3	1289.3	1606.4	1626.2
37.5°	1914.2	1914.2	1824.2	1591.9	1354.5	1187.2	1214.8	1253.3	1351.8	1729.9	1721.3
40°	1982.0	1989.6	2006.8	1809.6	1543.0	1376.7	1337.3	1343.3	1435.9	1871.4	1834.5
42.5°	2149.9	2144.0	2172.2	1977.7	1796.8	1587.6	1522.5	1489.9	1556.7	2054.0	1977.7
45°	2440.6	2440.6	2419.2	2154.2	1988.8	1798.6	1736.8	1676.8	1700.8	2233.1	2174.0
47.5°	2800.6	2760.3	2646.3	2359.9	2156.8	1995.7	1944.2	1888.5	1900.5	2445.8	2408.0
50°	3070.7	3027.8	2810.0	2509.2	2294.9	2201.4	2176.5	2135.4	2118.2	2648.0	2663.5
52.5°	3128.9	3076.6	2884.6	2600.9	2410.6	2414.0	2439.7	2380.6	2324.9	2865.8	2921.4
55°	3057.8	3028.7	2908.7	2670.3	2519.4	2594.0	2707.1	2632.6	2607.7	3104.0	3171.8
57.5°	2916.3	2904.4	2897.5	2728.6	2593.2	2791.2	3051.0	2967.8	2902.6	3324.4	3352.7
60°	2617.2	2621.4	2699.5	2727.8	2726.1	2998.7	3370.7	3303.8	3178.7	3537.0	3567.0
62.5°	2090.0	2120.0	2324.9	2524.5	2797.2	3315.8	3676.7	3653.6	3519.0	3779.6	3775.3
65°	1319.3	1377.6	1681.9	2133.7	2700.3	3750.4	4171.4	4080.4	3904.7	4059.9	4124.2
67.5°	713.2	733.8	902.7	1405.8	2337.7	3954.5	5243.7	4946.3	4540.0	4509.1	4521.1
70°	515.2	521.2	565.0	776.6	1461.6	3625.3	6190.2	6327.4	5545.5	4992.6	4674.6
72.5°	408.1	419.2	461.2	583.8	860.7	2443.1	6221.9	7026.9	6461.1	5205.2	4323.1
75°	281.2	298.3	372.0	502.4	775.8	1219.9	5061.2	6185.1	6237.3	4775.7	3435.9
77.5°	150.1	152.6	169.7	389.2	735.5	880.4	3269.6	4474.8	4464.6	3357.8	1861.1
80°	121.7	123.5	130.3	168.1	630.0	898.4	1754.8	2709.8	2482.6	1304.8	678.1
82.5°	79.7	84.9	103.7	114.1	282.8	866.6	1042.4	1419.5	1132.4	471.5	425.2
85°	47.2	52.3	75.4	84.0	134.6	1011.6	935.3	854.7	654.1	333.5	319.8
87.5°	16.3	16.3	22.3	29.2	44.6	289.7	488.7	390.9	300.0	221.2	263.2
90°	8.6	9.4	5.1	5.1	19.7	89.2	261.5	259.7	204.0	216.9	281.2
92.5°	9.4	9.4	5.1	5.1	20.6	53.2	278.7	298.3	240.9	243.5	304.3
95°	10.3	11.2	4.3	4.3	19.7	36.8	245.2	303.5	235.8	220.3	264.8
97.5°	11.2	12.0	4.3	3.5	12.9	28.3	123.5	173.2	136.3	103.7	115.7
100°	10.3	11.2	2.6	2.6	6.0	18.8	47.2	64.3	58.3	24.0	13.7
102.5°	10.3	11.2	2.6	1.7	2.6	10.3	10.3	24.0	14.5	7.7	11.2
105°	10.3	11.2	2.6	1.7	0.8	5.1	3.5	4.3	5.1	6.9	12.9
107.5°	6.0	6.9	1.7	1.7	0.8	0.8	1.7	1.7	3.5	5.1	11.2
110°	2.6	2.6	0.8	0.8	0.0	0.8	0.8	1.7	3.5	4.3	6.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6	3.5	5.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5	6.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5	6.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5	6.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5	6.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5	6.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.5	5.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.5	5.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	3.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.7	2.6
140°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.7	1.7	2.6
142.5°	1.7	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.7	2.6	2.6
145°	2.6	1.7	1.7	0.8	0.0	0.0	0.8	1.7	2.6	2.6	2.6
147.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.8	1.7	2.6	3.5	3.5
150°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.8	1.7	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.8	0.8	1.7
7.5°	2.6	2.6	2.6	1.7	1.7	0.8	158.6	184.3	211.8	207.5	201.4
10°	4.3	4.3	4.3	3.5	10.3	190.3	213.5	204.0	199.8	198.0	200.6
12.5°	292.4	344.6	114.9	17.2	168.9	186.0	190.3	180.0	186.0	187.7	182.6
15°	401.2	393.4	361.7	372.0	330.9	179.1	170.6	253.8	252.9	252.1	252.1
17.5°	433.7	412.4	357.5	378.1	330.9	271.8	210.9	201.4	194.6	195.5	193.7
20°	780.9	730.4	565.0	367.8	289.7	290.6	179.1	155.2	194.6	227.2	231.5
22.5°	787.0	738.1	591.5	476.6	289.7	229.8	175.7	183.4	220.3	240.9	244.3
25°	990.1	895.0	581.2	402.9	290.6	186.9	186.9	176.6	200.6	228.8	233.1
27.5°	1129.8	1019.3	708.9	395.2	218.6	182.6	167.2	168.9	214.3	234.1	234.9
30°	1131.6	1001.3	667.0	331.7	181.8	158.6	150.9	176.6	187.7	200.6	201.4
32.5°	1471.0	1276.4	749.2	266.6	162.0	143.1	151.7	168.1	189.5	221.2	224.6
35°	1471.0	1255.1	652.3	245.2	153.4	144.0	156.0	180.0	180.9	204.9	210.0
37.5°	1512.2	1253.3	551.2	204.9	160.3	144.0	162.9	168.9	176.6	201.4	202.3
40°	1576.5	1271.3	450.9	186.9	158.6	156.9	158.6	166.3	164.6	180.9	181.8
42.5°	1682.8	1311.6	374.6	180.9	157.7	164.6	160.3	157.7	148.3	194.6	195.5
45°	1838.8	1403.3	318.9	180.9	158.6	175.7	165.4	152.6	143.1	234.9	241.7
47.5°	2022.3	1518.2	293.2	185.2	162.0	178.3	157.7	152.6	152.6	254.6	258.0
50°	2241.7	1650.2	281.2	188.6	173.2	176.6	162.9	162.0	168.9	236.6	235.8
52.5°	2474.0	1813.1	279.5	193.7	180.9	169.7	184.3	173.2	150.9	173.2	173.2
55°	2704.6	2013.7	276.9	195.5	176.6	174.0	188.6	154.3	128.6	140.6	142.3
57.5°	2926.7	2204.9	287.1	188.6	175.7	174.0	180.0	154.3	132.9	144.0	147.4
60°	3152.9	2418.3	348.0	178.3	179.1	169.7	179.1	167.2	146.6	174.0	177.5
62.5°	3427.3	2712.4	474.0	187.7	181.8	172.3	178.3	177.5	152.6	166.3	169.7
65°	3819.9	3039.8	548.6	221.2	189.5	180.0	178.3	192.0	170.6	162.0	162.9
67.5°	4089.0	3159.0	532.3	249.5	208.3	185.2	192.9	206.6	182.6	184.3	183.4
70°	4040.2	2947.2	462.9	263.2	220.3	190.3	208.3	205.7	192.0	218.6	216.9
72.5°	3540.4	2389.1	392.6	241.7	216.9	192.0	211.8	210.9	208.3	262.3	262.3
75°	2636.9	1603.1	340.3	222.0	207.5	190.3	207.5	209.2	207.5	268.3	270.1
77.5°	1294.4	800.7	288.9	199.8	192.0	194.6	204.9	205.7	203.2	260.6	260.6
80°	578.7	438.9	220.3	168.1	185.2	204.9	205.7	198.0	201.4	246.8	246.0
82.5°	401.2	315.5	144.0	147.4	207.5	222.0	210.0	193.7	191.2	225.5	222.0
85°	291.4	232.3	88.3	125.1	227.2	210.0	198.9	174.9	167.2	191.2	186.9
87.5°	234.9	185.2	54.0	104.5	207.5	184.3	165.4	144.0	133.7	147.4	140.6
90°	253.8	199.8	54.0	90.8	170.6	138.0	121.7	107.2	96.9	97.7	93.4
92.5°	273.4	212.6	57.4	75.4	126.0	79.7	81.4	74.6	59.1	53.2	48.0
95°	210.9	159.5	50.5	62.6	75.4	48.9	62.6	56.6	40.3	28.3	24.0
97.5°	93.4	75.4	45.4	49.7	53.2	40.3	53.2	45.4	24.0	13.7	12.0
100°	11.2	18.8	39.4	48.0	38.6	27.4	35.2	27.4	10.3	3.5	2.6
102.5°	12.0	8.6	17.2	42.9	22.3	8.6	10.3	10.3	4.3	1.7	1.7
105°	12.9	9.4	6.9	22.3	5.1	1.7	0.8	0.8	0.8	1.7	1.7
107.5°	12.0	8.6	4.3	3.5	2.6	1.7	0.0	0.0	0.0	1.7	2.6
110°	6.9	6.0	4.3	3.5	2.6	1.7	0.0	0.0	0.0	2.6	3.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	5.1	3.5	2.6	1.7	0.8	0.0	0.0	0.0	3.5	4.3
115°	6.0	5.1	3.5	2.6	1.7	0.8	0.0	0.0	0.0	4.3	5.1
117.5°	6.9	6.0	3.5	2.6	1.7	0.0	0.0	0.0	0.0	5.1	5.1
120°	6.9	6.0	3.5	2.6	0.8	0.0	0.0	0.0	0.0	4.3	5.1
122.5°	6.9	6.0	3.5	1.7	0.8	0.0	0.0	0.0	0.0	4.3	5.1
125°	6.0	6.0	3.5	1.7	0.8	0.0	0.0	0.0	0.0	4.3	4.3
127.5°	6.0	5.1	3.5	1.7	0.8	0.0	0.0	0.0	0.0	3.5	4.3
130°	5.1	5.1	2.6	1.7	0.8	0.0	0.0	0.0	0.0	2.6	3.5
132.5°	4.3	3.5	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.8	1.7
135°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	3.5	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)