

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: P695488

Luminaire Tested: **LXF.LXT-PA16-50-827-U-SL3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-827-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4006 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

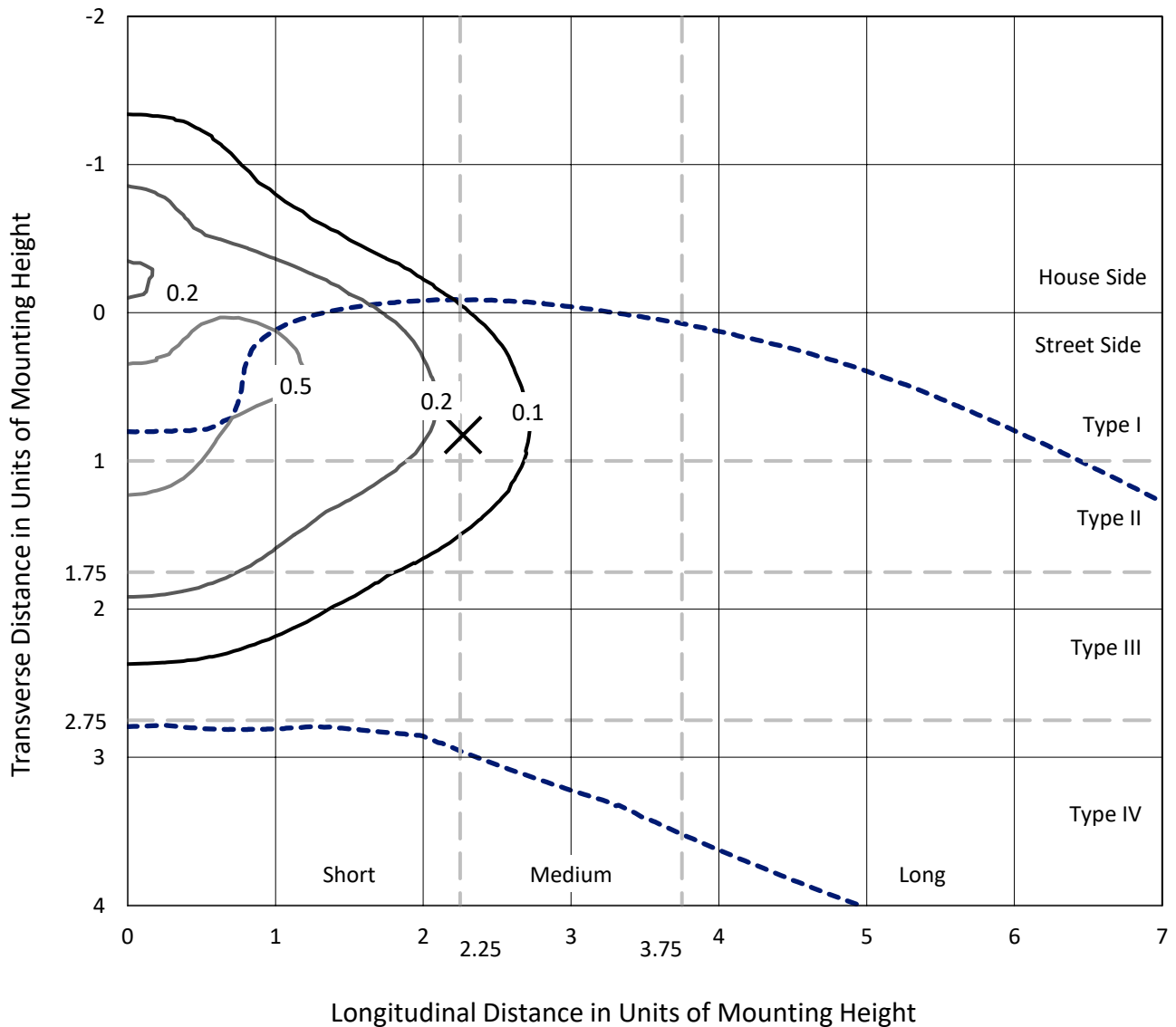
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

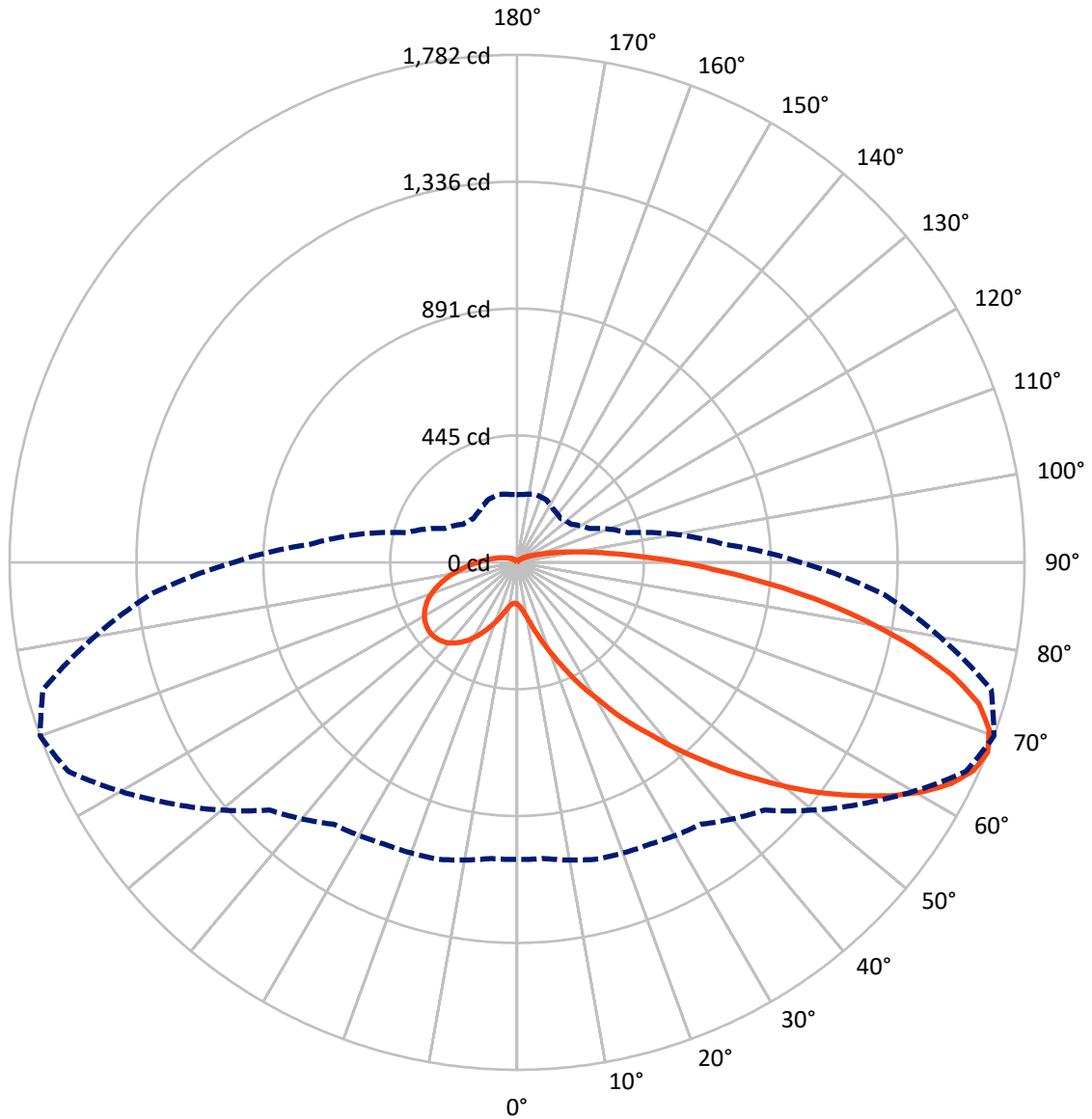
✕ Max cd  
 - - - 1/2 Max cd



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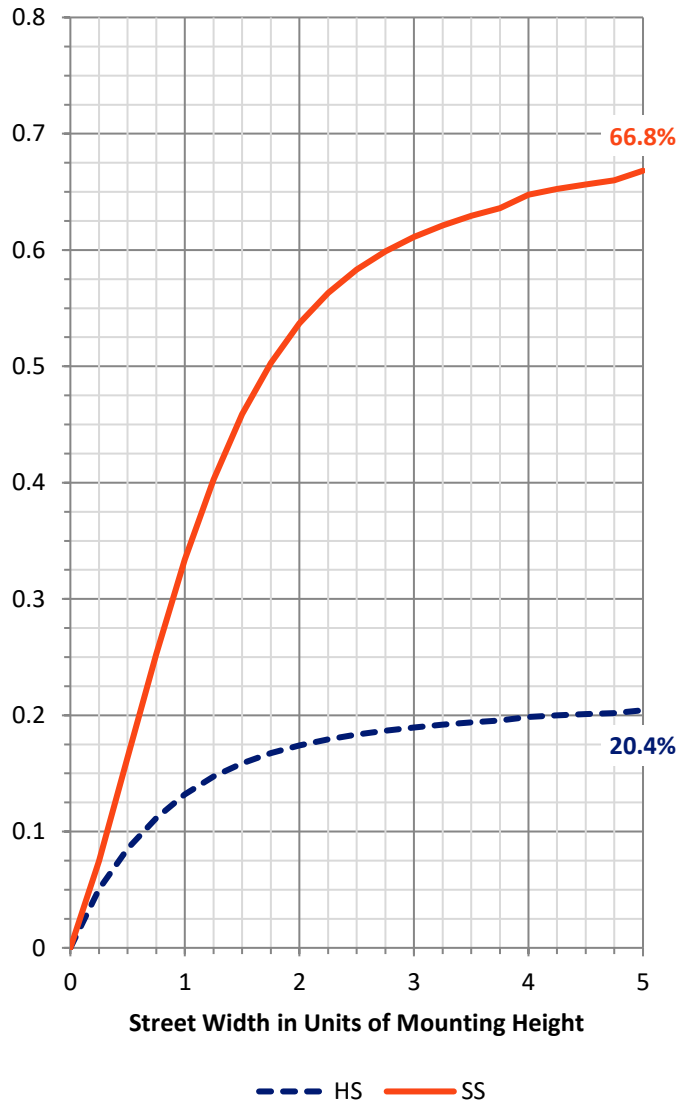
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	863.6	117.6	981.2
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	2804.7	220.1	3024.8
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	3668.3	337.7	4006.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	0.4
10°-20°	63.4	1.6
20°-30°	159.8	4.0
30°-40°	313.0	7.8
40°-50°	509.7	12.7
50°-60°	714.1	17.8
60°-70°	819.1	20.4
70°-80°	681.7	17.0
80°-90°	392.1	9.8
90°-100°	179.8	4.5
100°-110°	82.3	2.1
110°-120°	40.5	1.0
120°-130°	20.9	0.5
130°-140°	10.2	0.3
140°-150°	3.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3668.3	91.6
0°-180°	4006.0	100.0

**Coefficient of Utilization**

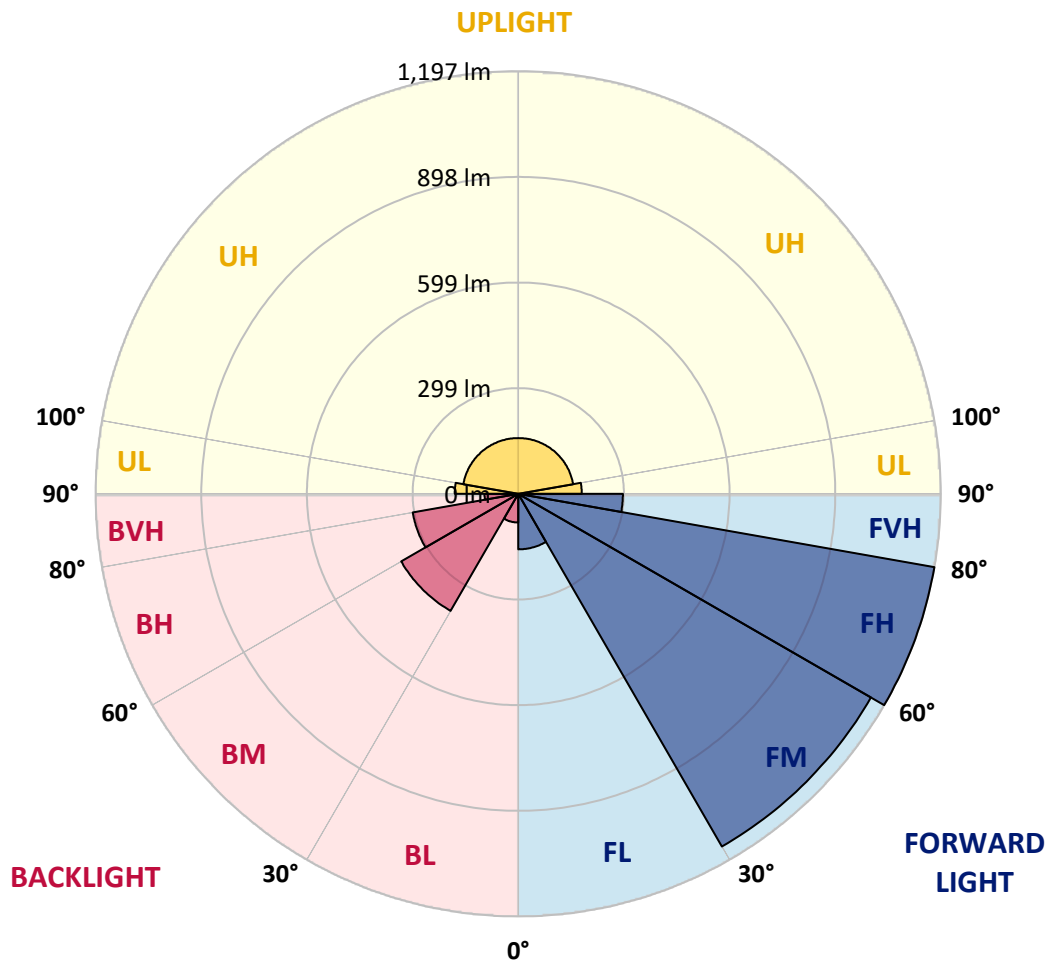


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.3	3.9			
FM (30°-60°)	1153.8	28.8			
FH (60°-80°)	1197.2	29.9			G1/1800
FVH (80°-90°)	296.4	7.4			G3/500
BL (0°-30°)	81.3	2.0	B0/110		
BM (30°-60°)	383.0	9.6	B1/1000		
BH (60°-80°)	303.7	7.6	B1/500		G1/500
BVH (80°-90°)	95.6	2.4			G1/100
UL (90°-100°)	179.8	4.5		U3/500	
UH (100°-180°)	157.9	3.9		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°	70°	75°	85°
0°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	161.3	161.3	161.3	159.7	159.7	156.6	156.6	153.5	153.5	152.0	148.9
5°	181.4	181.4	179.9	179.9	176.8	173.7	170.6	165.9	162.8	161.3	156.6
7.5°	204.7	204.7	203.1	200.0	198.5	193.8	187.6	181.4	178.3	175.2	167.5
10°	232.6	232.6	229.5	228.0	224.9	218.7	212.5	203.1	198.5	193.8	183.0
12.5°	265.2	262.1	262.1	257.4	252.8	248.1	240.4	229.5	224.9	218.7	204.7
15°	299.3	299.3	299.3	294.6	288.4	280.7	274.5	263.6	260.5	251.2	235.7
17.5°	339.6	342.7	338.1	331.9	328.8	321.0	313.2	305.5	297.7	288.4	268.3
20°	389.2	387.7	383.0	376.8	372.2	364.4	359.8	345.8	339.6	330.3	300.8
22.5°	437.3	438.9	434.2	424.9	418.7	414.0	406.3	395.4	386.1	375.3	342.7
25°	500.9	499.3	488.5	474.5	468.3	462.1	457.5	446.6	440.4	431.1	389.2
27.5°	564.5	558.3	550.5	538.1	522.6	511.7	508.6	504.0	499.3	483.8	437.3
30°	631.1	624.9	615.6	595.5	573.8	561.4	561.4	567.6	556.7	544.3	491.6
32.5°	702.5	694.7	682.3	657.5	628.0	614.1	620.3	631.1	629.6	611.0	545.9
35°	773.8	772.3	753.7	722.6	685.4	668.4	677.7	699.4	699.4	685.4	604.8
37.5°	843.6	845.2	828.1	789.3	741.3	722.6	736.6	772.3	772.3	761.4	662.2
40°	932.0	928.9	897.9	852.9	800.2	776.9	804.8	851.4	859.1	838.9	725.7
42.5°	1008.0	1001.8	977.0	921.1	857.6	829.6	868.4	932.0	947.5	924.2	790.9
45°	1085.5	1077.8	1048.3	986.3	914.9	882.4	936.6	1021.9	1042.1	1020.4	859.1
47.5°	1158.4	1150.6	1124.3	1049.8	975.4	945.9	1006.4	1113.4	1138.2	1119.6	925.8
50°	1225.1	1223.5	1191.0	1113.4	1028.1	1000.2	1079.3	1209.6	1242.1	1214.2	994.0
52.5°	1282.5	1276.3	1245.2	1170.8	1080.9	1059.2	1153.7	1310.4	1346.0	1318.1	1062.3
55°	1318.1	1315.0	1287.1	1214.2	1128.9	1113.4	1228.2	1401.9	1445.3	1420.5	1125.8
57.5°	1335.2	1330.5	1307.3	1242.1	1164.6	1163.1	1296.4	1496.5	1546.1	1513.5	1191.0
60°	1318.1	1315.0	1299.5	1249.9	1187.9	1201.8	1367.7	1583.3	1636.0	1600.4	1242.1
62.5°	1260.7	1260.7	1259.2	1229.7	1192.5	1234.4	1423.6	1657.7	1710.5	1667.0	1279.4
65°	1170.8	1175.5	1184.8	1178.6	1172.4	1245.2	1460.8	1713.6	1761.6	1710.5	1299.5
67.5°	1043.6	1043.6	1079.3	1093.3	1122.7	1229.7	1477.8	1738.4	1781.8	1722.9	1291.8
70°	902.5	902.5	942.8	983.2	1048.3	1189.4	1459.2	1724.4	1758.5	1693.4	1257.6
72.5°	755.2	756.8	804.8	860.7	950.6	1119.6	1409.6	1663.9	1695.0	1617.4	1189.4
75°	611.0	623.4	663.7	736.6	840.5	1026.6	1316.6	1558.5	1577.1	1502.7	1093.3
77.5°	483.8	499.3	547.4	618.7	727.3	908.7	1191.0	1417.4	1420.5	1349.1	977.0
80°	383.0	393.9	443.5	510.2	615.6	789.3	1042.1	1242.1	1239.0	1169.3	837.4
82.5°	302.4	310.1	348.9	414.0	514.8	676.1	894.8	1042.1	1052.9	984.7	702.5
85°	232.6	241.9	277.6	335.0	424.9	562.9	739.7	854.5	859.1	798.6	578.4
87.5°	178.3	187.6	220.2	274.5	350.5	462.1	603.2	693.2	685.4	637.4	457.5
90°	138.0	142.7	175.2	220.2	286.9	381.5	485.4	544.3	544.3	497.8	366.0
92.5°	110.1	111.7	141.1	181.4	237.3	310.1	390.8	428.0	417.1	390.8	288.4
95°	86.8	89.9	113.2	148.9	195.4	254.3	308.6	335.0	325.7	300.8	226.4
97.5°	69.8	72.9	93.0	124.1	162.8	207.8	248.1	260.5	255.9	238.8	179.9
100°	57.4	58.9	76.0	105.4	136.5	172.1	198.5	206.2	196.9	186.1	141.1
102.5°	48.1	49.6	65.1	88.4	116.3	141.1	161.3	164.4	156.6	144.2	113.2
105°	40.3	41.9	54.3	76.0	97.7	119.4	131.8	130.3	122.5	113.2	91.5
107.5°	35.7	35.7	46.5	65.1	85.3	99.2	108.6	105.4	97.7	88.4	74.4
110°	31.0	31.0	38.8	55.8	72.9	85.3	89.9	85.3	77.5	71.3	60.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	27.9	27.9	34.1	48.1	62.0	72.9	74.4	68.2	63.6	58.9	49.6
115°	24.8	26.4	29.5	40.3	52.7	62.0	62.0	57.4	52.7	48.1	43.4
117.5°	23.3	23.3	26.4	35.7	46.5	52.7	52.7	48.1	43.4	40.3	37.2
120°	21.7	21.7	24.8	31.0	40.3	45.0	45.0	40.3	37.2	34.1	32.6
122.5°	20.2	20.2	21.7	26.4	34.1	38.8	38.8	34.1	31.0	29.5	27.9
125°	18.6	18.6	20.2	23.3	29.5	32.6	32.6	27.9	26.4	24.8	24.8
127.5°	17.1	17.1	18.6	20.2	24.8	27.9	26.4	23.3	21.7	21.7	21.7
130°	15.5	15.5	17.1	18.6	21.7	23.3	21.7	20.2	18.6	18.6	18.6
132.5°	15.5	15.5	15.5	15.5	17.1	18.6	18.6	17.1	15.5	17.1	17.1
135°	14.0	14.0	14.0	14.0	14.0	15.5	14.0	14.0	14.0	14.0	14.0
137.5°	12.4	12.4	12.4	12.4	12.4	12.4	10.9	10.9	10.9	12.4	12.4
140°	10.9	10.9	10.9	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.9
142.5°	9.3	9.3	9.3	7.8	7.8	6.2	6.2	6.2	7.8	7.8	9.3
145°	7.8	7.8	7.8	6.2	4.7	4.7	4.7	4.7	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	4.7	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	4.7	4.7	4.7	3.1	3.1	1.6	1.6	3.1	3.1	3.1	3.1
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°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	148.9	147.3	145.8	142.7	141.1	141.1	141.1	139.6	139.6	138.0	138.0
5°	153.5	152.0	145.8	141.1	138.0	134.9	131.8	130.3	128.7	127.2	127.2
7.5°	162.8	159.7	152.0	144.2	138.0	131.8	127.2	124.1	122.5	121.0	121.0
10°	176.8	172.1	159.7	148.9	139.6	131.8	125.6	122.5	119.4	117.9	117.9
12.5°	196.9	190.7	173.7	158.2	145.8	134.9	128.7	124.1	121.0	119.4	119.4
15°	224.9	214.0	192.3	172.1	155.1	141.1	133.4	130.3	128.7	128.7	128.7
17.5°	254.3	238.8	214.0	187.6	167.5	152.0	144.2	141.1	139.6	139.6	139.6
20°	286.9	269.8	235.7	204.7	179.9	165.9	156.6	153.5	152.0	152.0	152.0
22.5°	322.6	303.9	259.0	220.2	195.4	179.9	170.6	165.9	167.5	167.5	167.5
25°	362.9	336.5	283.8	238.8	209.3	193.8	184.5	179.9	183.0	184.5	184.5
27.5°	407.8	372.2	307.0	255.9	224.9	206.2	198.5	195.4	200.0	201.6	203.1
30°	451.3	410.9	330.3	274.5	237.3	218.7	210.9	212.5	215.6	218.7	221.8
32.5°	499.3	446.6	355.1	290.0	249.7	228.0	223.3	228.0	234.2	237.3	238.8
35°	545.9	483.8	373.7	303.9	259.0	237.3	234.2	241.9	249.7	255.9	255.9
37.5°	592.4	517.9	393.9	314.8	266.7	243.5	243.5	254.3	263.6	271.4	271.4
40°	640.5	555.2	410.9	324.1	272.9	249.7	251.2	265.2	277.6	282.2	283.8
42.5°	690.1	586.2	424.9	330.3	276.0	254.3	257.4	274.5	286.9	291.5	293.1
45°	738.1	618.7	435.8	333.4	279.1	255.9	260.5	280.7	293.1	297.7	297.7
47.5°	783.1	646.7	443.5	335.0	279.1	255.9	263.6	283.8	297.7	299.3	299.3
50°	831.2	674.6	449.7	335.0	277.6	255.9	263.6	285.3	297.7	297.7	297.7
52.5°	877.7	699.4	452.8	331.9	274.5	254.3	262.1	283.8	296.2	293.1	293.1
55°	921.1	719.5	451.3	327.2	269.8	249.7	259.0	280.7	291.5	286.9	286.9
57.5°	956.8	736.6	448.2	321.0	265.2	245.0	254.3	276.0	285.3	279.1	277.6
60°	987.8	747.5	442.0	313.2	257.4	238.8	249.7	269.8	277.6	269.8	268.3
62.5°	1004.9	752.1	432.7	302.4	251.2	232.6	241.9	262.1	268.3	259.0	259.0
65°	1011.1	745.9	418.7	291.5	241.9	226.4	234.2	252.8	257.4	249.7	248.1
67.5°	995.6	728.8	401.6	280.7	232.6	217.1	224.9	241.9	246.6	238.8	237.3
70°	963.0	696.3	379.9	265.2	221.8	207.8	214.0	228.0	234.2	228.0	226.4
72.5°	902.5	656.0	355.1	249.7	209.3	196.9	203.1	215.6	221.8	215.6	214.0
75°	831.2	603.2	327.2	232.6	196.9	186.1	190.7	200.0	206.2	203.1	200.0
77.5°	736.6	539.7	297.7	215.6	184.5	173.7	176.8	186.1	190.7	187.6	187.6
80°	637.4	469.9	268.3	196.9	172.1	162.8	162.8	170.6	175.2	173.7	170.6
82.5°	541.2	401.6	237.3	178.3	156.6	148.9	150.4	153.5	159.7	156.6	155.1
85°	445.1	341.2	207.8	161.3	142.7	136.5	136.5	138.0	142.7	141.1	139.6
87.5°	364.4	280.7	181.4	142.7	128.7	124.1	121.0	124.1	124.1	124.1	121.0
90°	296.2	232.6	156.6	127.2	117.9	111.7	108.6	108.6	108.6	107.0	105.4
92.5°	235.7	192.3	136.5	113.2	105.4	100.8	97.7	96.1	94.6	91.5	91.5
95°	193.8	158.2	117.9	99.2	94.6	89.9	86.8	85.3	82.2	79.1	77.5
97.5°	153.5	131.8	100.8	88.4	83.7	80.6	77.5	74.4	69.8	66.7	65.1
100°	122.5	107.0	86.8	77.5	74.4	71.3	68.2	65.1	60.5	55.8	54.3
102.5°	100.8	89.9	74.4	69.8	66.7	63.6	62.0	57.4	51.2	46.5	46.5
105°	82.2	74.4	65.1	60.5	58.9	57.4	54.3	49.6	43.4	38.8	38.8
107.5°	68.2	63.6	55.8	54.3	52.7	51.2	48.1	43.4	37.2	32.6	32.6
110°	57.4	52.7	48.1	46.5	46.5	45.0	43.4	37.2	32.6	27.9	27.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.1	45.0	43.4	41.9	41.9	40.3	38.8	32.6	27.9	24.8	24.8
115°	40.3	38.8	37.2	37.2	37.2	35.7	34.1	29.5	23.3	21.7	21.7
117.5°	35.7	34.1	32.6	32.6	32.6	32.6	29.5	24.8	20.2	18.6	18.6
120°	31.0	31.0	29.5	29.5	29.5	27.9	26.4	21.7	17.1	17.1	17.1
122.5°	27.9	26.4	26.4	26.4	26.4	24.8	21.7	18.6	15.5	15.5	15.5
125°	24.8	23.3	23.3	23.3	23.3	21.7	18.6	15.5	14.0	14.0	14.0
127.5°	21.7	21.7	20.2	20.2	20.2	18.6	17.1	14.0	12.4	12.4	12.4
130°	18.6	18.6	18.6	18.6	17.1	15.5	14.0	12.4	10.9	10.9	10.9
132.5°	17.1	17.1	15.5	15.5	15.5	14.0	12.4	10.9	9.3	10.9	10.9
135°	14.0	14.0	14.0	14.0	12.4	10.9	10.9	9.3	9.3	9.3	9.3
137.5°	12.4	12.4	12.4	10.9	10.9	9.3	9.3	7.8	7.8	7.8	9.3
140°	10.9	10.9	9.3	9.3	7.8	7.8	7.8	6.2	7.8	7.8	7.8
142.5°	9.3	9.3	7.8	7.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2
145°	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	6.2	6.2	6.2
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	4.7
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)