

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: P695039

Luminaire Tested: **LXF.LXT-PA16-40-727-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-727-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3622 lumens  
Efficiency: N/A  
Efficacy: 90.1 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 - G2

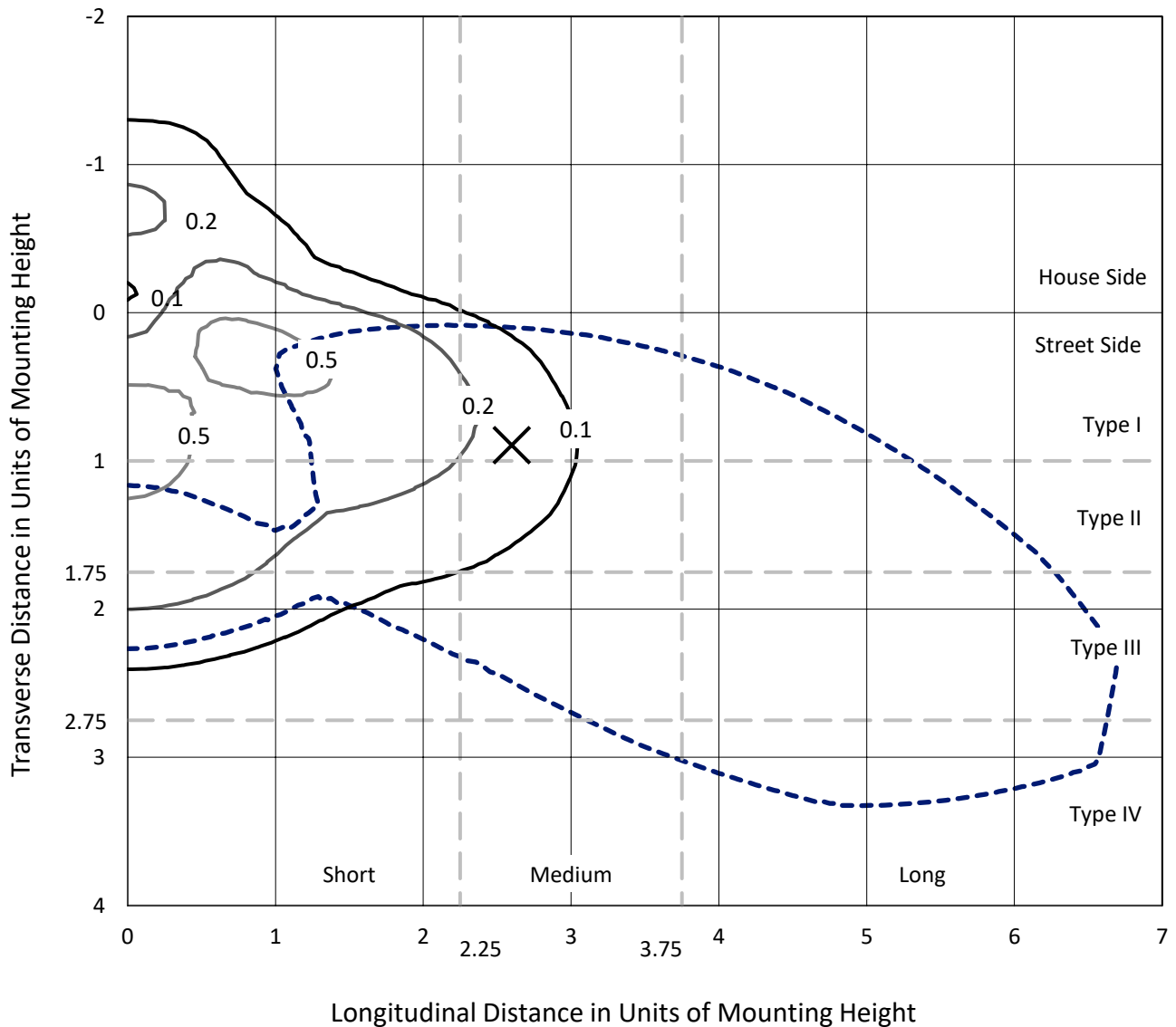
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

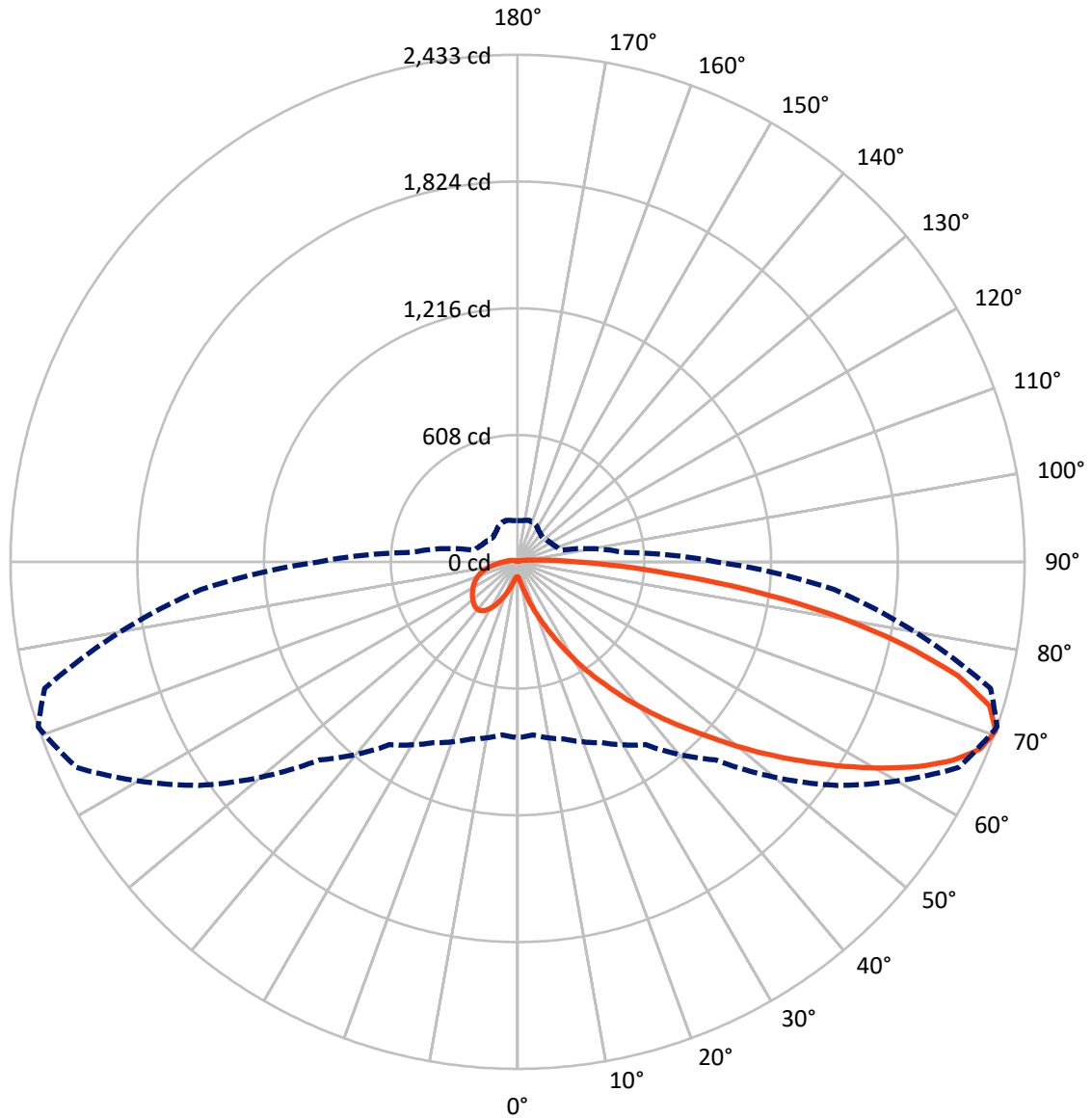
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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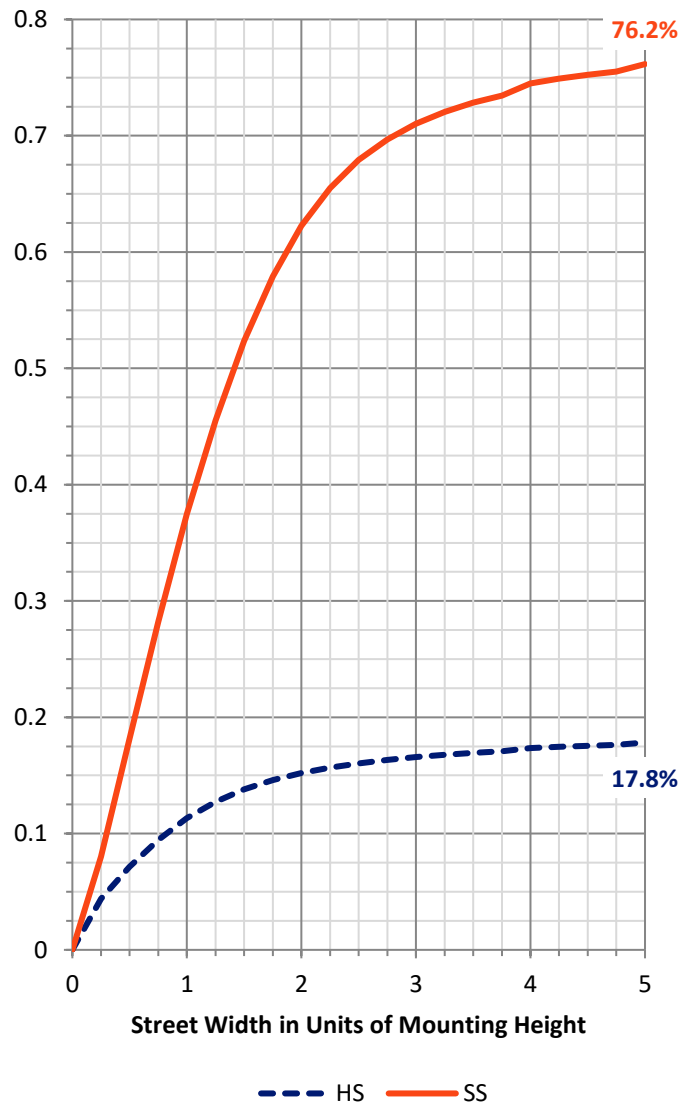
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	676.7	58.1	734.8
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	2823.9	63.3	2887.2
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	3500.6	121.4	3622.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.2
10°-20°	42.3	1.2
20°-30°	130.2	3.6
30°-40°	282.6	7.8
40°-50°	471.9	13.0
50°-60°	699.1	19.3
60°-70°	879.9	24.3
70°-80°	706.9	19.5
80°-90°	279.4	7.7
90°-100°	67.4	1.9
100°-110°	26.5	0.7
110°-120°	13.2	0.4
120°-130°	7.5	0.2
130°-140°	4.5	0.1
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3500.6	96.6
0°-180°	3622.0	100.0

**Coefficient of Utilization**

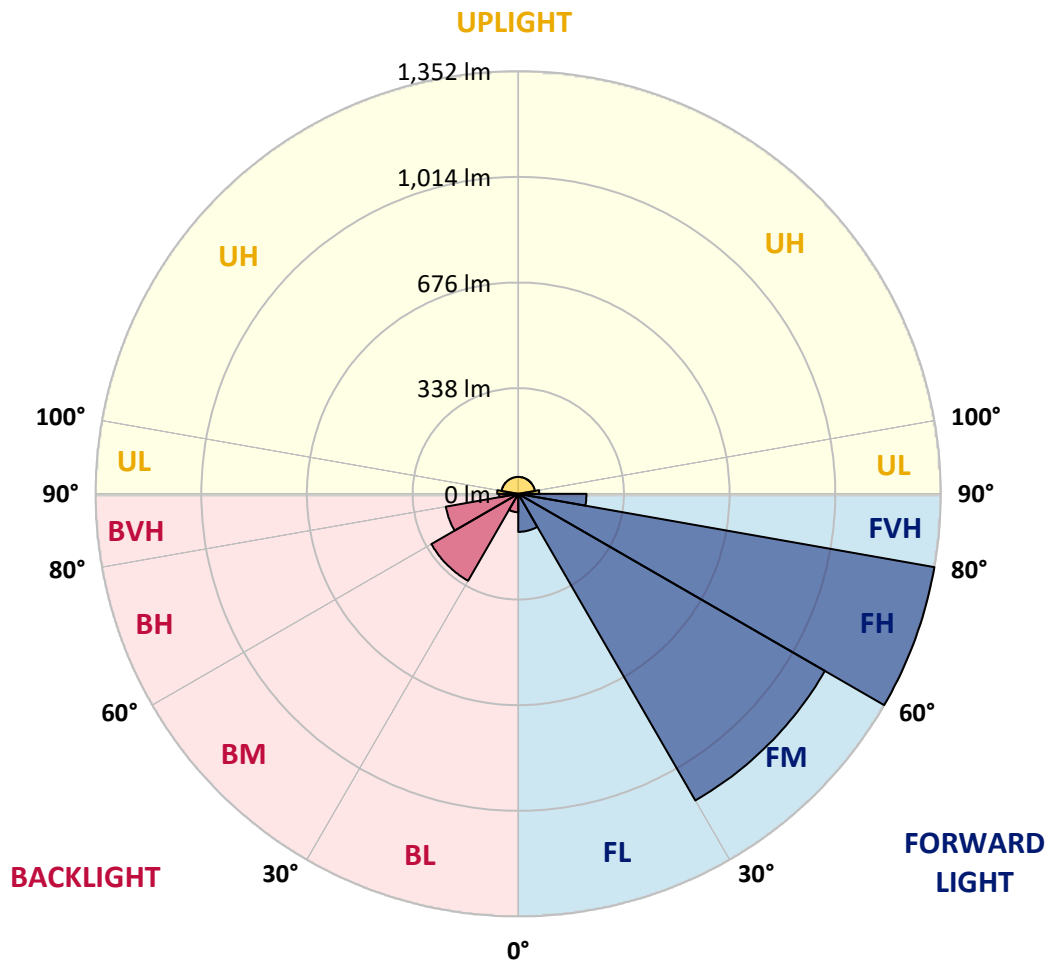


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.7	3.4			
FM (30°-60°)	1132.5	31.3			
FH (60°-80°)	1351.6	37.3			G1/1800
FVH (80°-90°)	218.1	6.0			G2/225
BL (0°-30°)	58.9	1.6	B0/110		
BM (30°-60°)	321.2	8.9	B1/1000		
BH (60°-80°)	235.3	6.5	B1/500		G1/500
BVH (80°-90°)	61.3	1.7			G1/100
UL (90°-100°)	67.4	1.9		U3/500	
UH (100°-180°)	54.0	1.5		U3/500	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	79.7	79.7	79.7	79.7	79.7	78.3	77.0	77.0	75.6	75.6	74.2
5°	94.8	94.8	93.5	93.5	92.1	90.7	89.3	86.6	85.2	83.8	81.1
7.5°	112.7	111.3	109.9	109.9	109.9	107.2	104.4	101.7	98.9	96.2	92.1
10°	134.7	133.3	133.3	131.9	130.6	129.2	126.4	122.3	118.2	116.8	109.9
12.5°	160.8	159.4	160.8	159.4	155.3	155.3	153.9	148.4	145.7	142.9	133.3
15°	193.8	193.8	193.8	189.7	188.3	185.5	186.9	182.8	180.0	177.3	164.9
17.5°	235.0	235.0	232.3	228.1	222.6	222.6	224.0	224.0	225.4	217.1	200.6
20°	281.7	285.8	277.6	269.4	262.5	263.9	266.6	274.9	274.9	266.6	247.4
22.5°	342.2	338.1	333.9	317.5	306.5	303.7	314.7	328.5	329.8	328.5	298.2
25°	405.4	404.0	390.3	372.4	353.2	350.4	368.3	390.3	395.8	393.0	357.3
27.5°	472.8	472.8	459.0	427.4	399.9	395.8	417.8	456.3	468.6	470.0	420.5
30°	560.7	552.5	533.2	490.6	454.9	442.5	474.1	529.1	551.1	552.5	489.2
32.5°	636.3	636.3	608.8	560.7	508.5	487.9	526.3	607.4	636.3	633.5	556.6
35°	721.5	714.6	684.4	625.3	560.7	534.6	581.3	685.8	722.9	722.9	621.2
37.5°	799.8	791.6	764.1	694.0	614.3	579.9	639.0	764.1	823.2	823.2	678.9
40°	876.8	875.4	841.1	761.4	670.6	623.9	695.4	853.4	923.5	918.0	739.4
42.5°	963.4	957.9	916.6	831.4	725.6	672.0	754.5	946.9	1032.1	1023.8	797.1
45°	1055.4	1043.1	996.4	904.3	776.5	721.5	816.3	1039.0	1142.0	1144.8	861.7
47.5°	1139.3	1136.5	1088.4	979.9	842.4	773.7	883.7	1154.4	1265.7	1258.8	922.1
50°	1235.5	1230.0	1172.3	1054.1	902.9	834.2	959.2	1268.5	1404.5	1397.6	1001.8
52.5°	1330.3	1319.3	1258.8	1132.4	973.0	900.2	1044.5	1393.5	1547.4	1532.3	1081.6
55°	1411.4	1407.3	1330.3	1210.7	1049.9	970.2	1146.1	1530.9	1695.9	1689.0	1168.1
57.5°	1477.3	1469.1	1397.6	1279.5	1120.0	1065.1	1264.3	1668.4	1851.2	1834.7	1260.2
60°	1498.0	1489.7	1418.3	1326.2	1186.0	1162.6	1397.6	1822.3	2009.2	1987.2	1352.3
62.5°	1454.0	1445.7	1389.4	1330.3	1234.1	1256.1	1544.7	1985.8	2163.1	2141.1	1441.6
65°	1311.1	1306.9	1284.9	1274.0	1242.3	1328.9	1701.4	2130.1	2295.0	2257.9	1514.5
67.5°	1096.7	1102.2	1104.9	1146.1	1191.5	1370.2	1811.3	2262.1	2395.4	2343.1	1539.2
70°	843.8	834.2	880.9	957.9	1070.6	1344.0	1870.4	2334.9	2432.5	2348.6	1522.7
72.5°	600.6	601.9	654.2	755.9	916.6	1258.8	1859.4	2308.8	2367.9	2270.3	1444.4
75°	415.0	412.3	452.1	552.5	731.1	1099.4	1726.1	2186.5	2181.0	2083.4	1276.7
77.5°	279.0	287.2	316.1	391.7	555.2	916.6	1520.0	1899.3	1880.0	1757.7	1076.1
80°	196.5	193.8	224.0	280.4	387.5	711.9	1232.7	1551.6	1528.2	1381.1	839.7
82.5°	131.9	138.8	158.0	193.8	277.6	525.0	934.5	1148.9	1122.8	1003.2	588.2
85°	86.6	89.3	107.2	136.1	192.4	361.4	639.0	775.1	728.4	654.2	384.8
87.5°	55.0	57.7	71.5	93.5	133.3	243.2	424.7	478.2	442.5	412.3	233.6
90°	33.0	35.7	46.7	64.6	92.1	163.5	257.0	277.6	247.4	225.4	141.6
92.5°	23.4	24.7	33.0	46.7	67.3	109.9	159.4	159.4	145.7	125.1	89.3
95°	16.5	17.9	24.7	35.7	50.8	75.6	100.3	94.8	83.8	78.3	60.5
97.5°	13.7	13.7	20.6	28.9	41.2	57.7	66.0	60.5	56.3	52.2	45.4
100°	11.0	12.4	17.9	24.7	34.4	44.0	48.1	44.0	39.9	38.5	34.4
102.5°	9.6	11.0	15.1	22.0	28.9	35.7	37.1	33.0	31.6	28.9	26.1
105°	8.2	9.6	12.4	19.2	24.7	30.2	30.2	27.5	24.7	23.4	20.6
107.5°	8.2	8.2	11.0	16.5	22.0	24.7	26.1	22.0	19.2	17.9	16.5
110°	6.9	6.9	9.6	13.7	19.2	22.0	22.0	17.9	15.1	13.7	12.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	6.9	6.9	9.6	12.4	16.5	19.2	17.9	15.1	12.4	11.0	11.0
115°	6.9	6.9	8.2	11.0	15.1	16.5	15.1	12.4	11.0	9.6	9.6
117.5°	5.5	6.9	8.2	11.0	13.7	15.1	13.7	11.0	9.6	8.2	8.2
120°	5.5	5.5	6.9	9.6	11.0	12.4	12.4	9.6	8.2	6.9	8.2
122.5°	5.5	5.5	6.9	8.2	11.0	11.0	11.0	8.2	6.9	6.9	6.9
125°	5.5	5.5	6.9	8.2	9.6	9.6	9.6	6.9	6.9	5.5	6.9
127.5°	5.5	5.5	5.5	6.9	8.2	9.6	8.2	6.9	5.5	5.5	6.9
130°	5.5	5.5	5.5	6.9	8.2	8.2	6.9	5.5	5.5	5.5	5.5
132.5°	5.5	5.5	5.5	6.9	6.9	6.9	6.9	5.5	5.5	5.5	5.5
135°	5.5	5.5	5.5	5.5	6.9	6.9	5.5	5.5	4.1	4.1	5.5
137.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5
140°	5.5	4.1	4.1	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	4.1	4.1	4.1
145°	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7
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°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	72.8	72.8	71.5	70.1	68.7	67.3	67.3	67.3	67.3	66.0	66.0
5°	78.3	77.0	74.2	71.5	68.7	66.0	64.6	63.2	61.8	61.8	60.5
7.5°	89.3	86.6	81.1	75.6	71.5	67.3	64.6	61.8	60.5	59.1	59.1
10°	105.8	101.7	92.1	83.8	77.0	70.1	66.0	63.2	61.8	60.5	60.5
12.5°	126.4	120.9	107.2	94.8	83.8	75.6	71.5	67.3	66.0	64.6	64.6
15°	156.7	145.7	127.8	109.9	94.8	83.8	78.3	77.0	75.6	75.6	75.6
17.5°	189.7	177.3	149.8	125.1	105.8	94.8	89.3	88.0	89.3	89.3	89.3
20°	229.5	211.6	174.5	142.9	119.6	108.6	104.4	103.1	105.8	107.2	108.6
22.5°	276.2	248.7	199.3	160.8	136.1	123.7	118.2	119.6	123.7	127.8	127.8
25°	328.5	294.1	226.8	178.7	152.5	138.8	134.7	140.2	145.7	151.2	152.5
27.5°	379.3	335.3	254.2	197.9	169.0	152.5	152.5	158.0	171.8	177.3	180.0
30°	432.9	373.8	276.2	217.1	185.5	167.7	169.0	181.4	196.5	204.8	207.5
32.5°	481.0	409.5	294.1	233.6	199.3	182.8	184.2	200.6	221.3	232.3	233.6
35°	529.1	435.6	309.2	248.7	211.6	193.8	199.3	221.3	243.2	255.6	257.0
37.5°	564.8	456.3	316.1	258.4	222.6	202.0	210.3	237.8	262.5	273.5	274.9
40°	597.8	468.6	318.8	265.2	229.5	210.3	219.9	251.5	276.2	287.2	287.2
42.5°	622.5	472.8	317.5	268.0	235.0	214.4	226.8	261.1	285.8	294.1	295.5
45°	648.7	476.9	312.0	268.0	236.4	217.1	229.5	265.2	290.0	295.5	295.5
47.5°	676.1	479.6	305.1	265.2	235.0	217.1	232.3	268.0	290.0	292.7	292.7
50°	714.6	486.5	296.8	259.7	232.3	215.8	232.3	268.0	287.2	284.5	284.5
52.5°	750.4	496.1	288.6	254.2	228.1	213.0	230.9	266.6	281.7	274.9	274.9
55°	794.3	503.0	279.0	246.0	222.6	208.9	226.8	261.1	273.5	265.2	263.9
57.5°	843.8	516.7	270.7	236.4	215.8	204.8	222.6	255.6	265.2	252.9	251.5
60°	894.7	527.7	261.1	228.1	208.9	197.9	215.8	247.4	254.2	241.9	240.5
62.5°	933.1	537.3	251.5	219.9	202.0	191.0	208.9	237.8	243.2	230.9	229.5
65°	966.1	541.5	240.5	210.3	193.8	184.2	200.6	226.8	230.9	219.9	218.5
67.5°	974.4	533.2	226.8	199.3	184.2	175.9	189.7	214.4	219.9	210.3	207.5
70°	953.7	511.2	214.4	189.7	175.9	166.3	178.7	200.6	206.1	197.9	197.9
72.5°	891.9	474.1	199.3	177.3	164.9	155.3	166.3	185.5	192.4	188.3	185.5
75°	795.7	417.8	181.4	164.9	152.5	144.3	152.5	170.4	177.3	175.9	175.9
77.5°	658.3	355.9	162.2	148.4	140.2	131.9	140.2	153.9	162.2	163.5	162.2
80°	507.1	281.7	140.2	131.9	126.4	119.6	126.4	138.8	145.7	148.4	147.0
82.5°	365.6	214.4	118.2	115.4	111.3	108.6	111.3	120.9	130.6	131.9	131.9
85°	252.9	155.3	98.9	98.9	96.2	94.8	97.6	104.4	111.3	114.1	114.1
87.5°	163.5	111.3	79.7	82.5	83.8	82.5	83.8	86.6	93.5	96.2	94.8
90°	107.2	79.7	66.0	68.7	71.5	71.5	70.1	71.5	78.3	79.7	79.7
92.5°	71.5	60.5	56.3	57.7	60.5	61.8	60.5	60.5	64.6	66.0	64.6
95°	53.6	49.5	48.1	49.5	52.2	52.2	52.2	50.8	53.6	55.0	53.6
97.5°	41.2	39.9	41.2	42.6	45.4	45.4	45.4	44.0	45.4	45.4	44.0
100°	33.0	33.0	35.7	37.1	38.5	38.5	38.5	38.5	38.5	35.7	35.7
102.5°	26.1	27.5	30.2	33.0	33.0	34.4	33.0	33.0	31.6	30.2	28.9
105°	22.0	22.0	26.1	27.5	28.9	28.9	28.9	27.5	26.1	23.4	23.4
107.5°	16.5	17.9	22.0	23.4	24.7	24.7	24.7	23.4	22.0	19.2	19.2
110°	13.7	15.1	17.9	20.6	22.0	22.0	22.0	20.6	17.9	15.1	15.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.4	12.4	15.1	17.9	17.9	19.2	19.2	17.9	15.1	12.4	13.7
115°	9.6	11.0	13.7	15.1	16.5	16.5	16.5	15.1	12.4	11.0	11.0
117.5°	9.6	9.6	12.4	13.7	13.7	15.1	13.7	12.4	11.0	9.6	9.6
120°	8.2	9.6	11.0	12.4	12.4	12.4	12.4	11.0	9.6	9.6	9.6
122.5°	8.2	8.2	9.6	11.0	11.0	11.0	11.0	9.6	8.2	8.2	8.2
125°	6.9	8.2	8.2	9.6	9.6	9.6	9.6	8.2	8.2	8.2	8.2
127.5°	6.9	6.9	8.2	8.2	8.2	8.2	8.2	8.2	6.9	6.9	6.9
130°	6.9	6.9	6.9	8.2	8.2	8.2	8.2	6.9	6.9	6.9	6.9
132.5°	5.5	5.5	6.9	6.9	6.9	6.9	6.9	6.9	5.5	6.9	6.9
135°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
137.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
140°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	2.7
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)