

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: P695056

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3823 lumens  
Efficiency: N/A  
Efficacy: 95.1 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 - G3

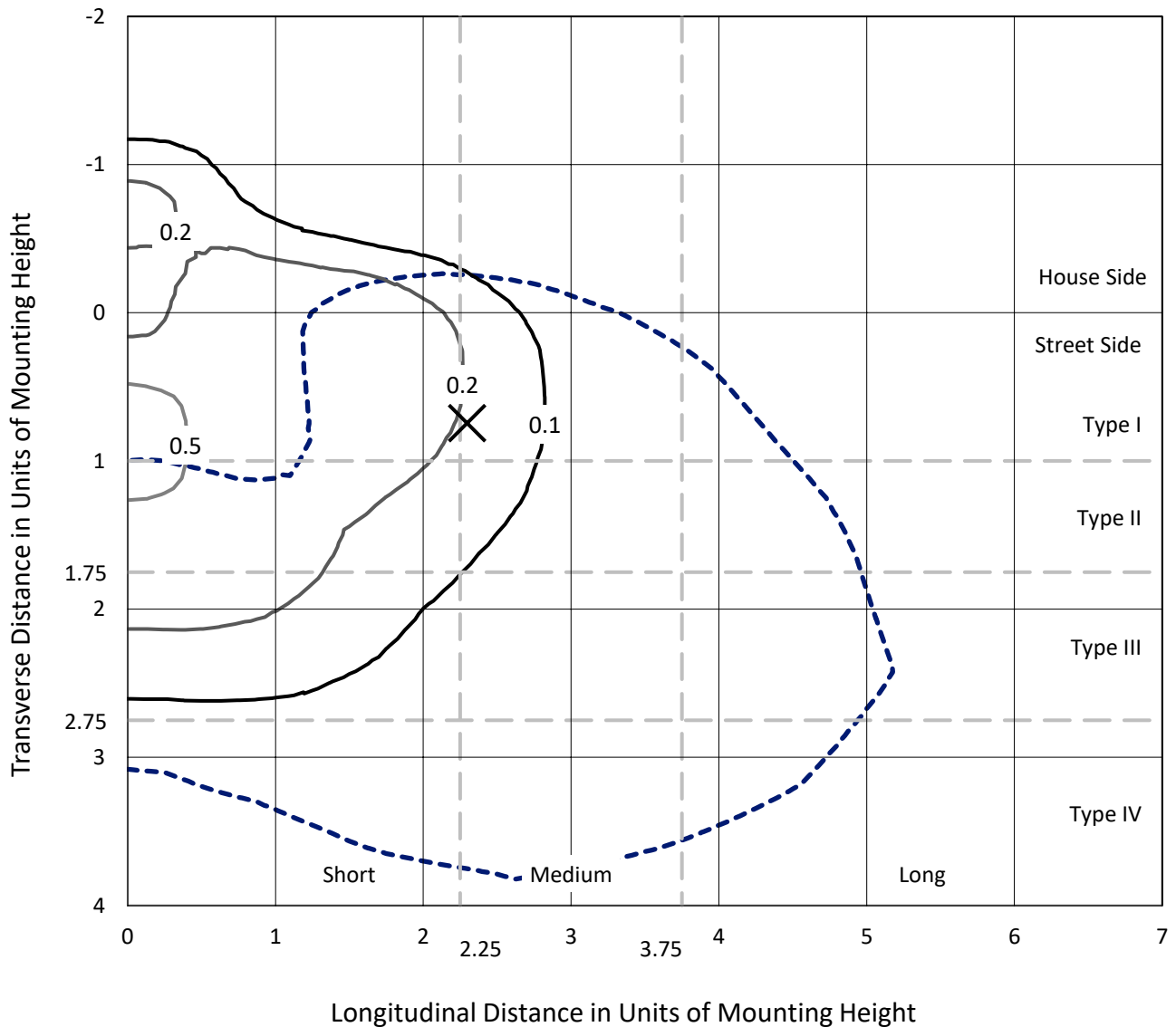
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

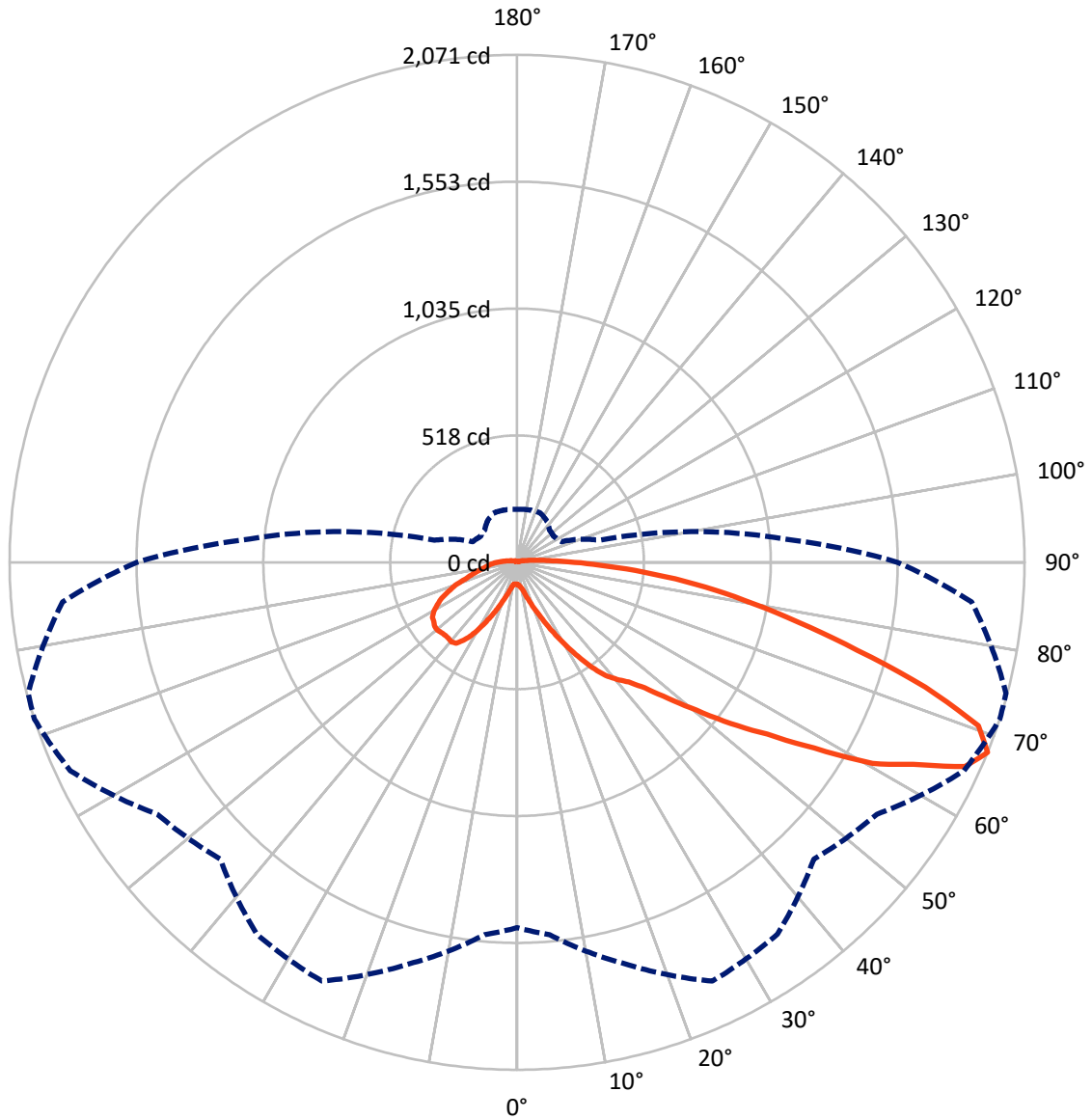
✕ Max cd  
 - - - 1/2 Max cd



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 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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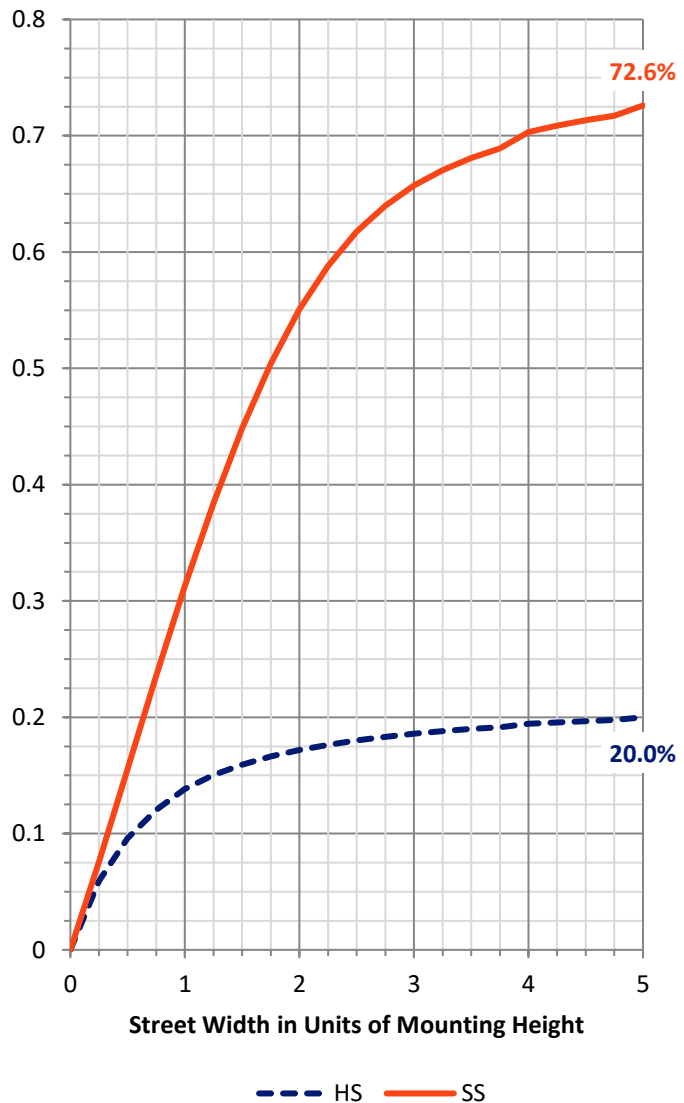
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	806.8	69.4	876.2
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	2872.9	73.8	2946.8
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	3679.8	143.2	3823.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	39.6	1.0
20°-30°	120.0	3.1
30°-40°	270.1	7.1
40°-50°	433.6	11.3
50°-60°	702.8	18.4
60°-70°	1025.0	26.8
70°-80°	768.5	20.1
80°-90°	311.1	8.1
90°-100°	86.3	2.3
100°-110°	28.3	0.7
110°-120°	13.1	0.3
120°-130°	7.9	0.2
130°-140°	5.0	0.1
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3679.8	96.3
0°-180°	3823.0	100.0

**Coefficient of Utilization**

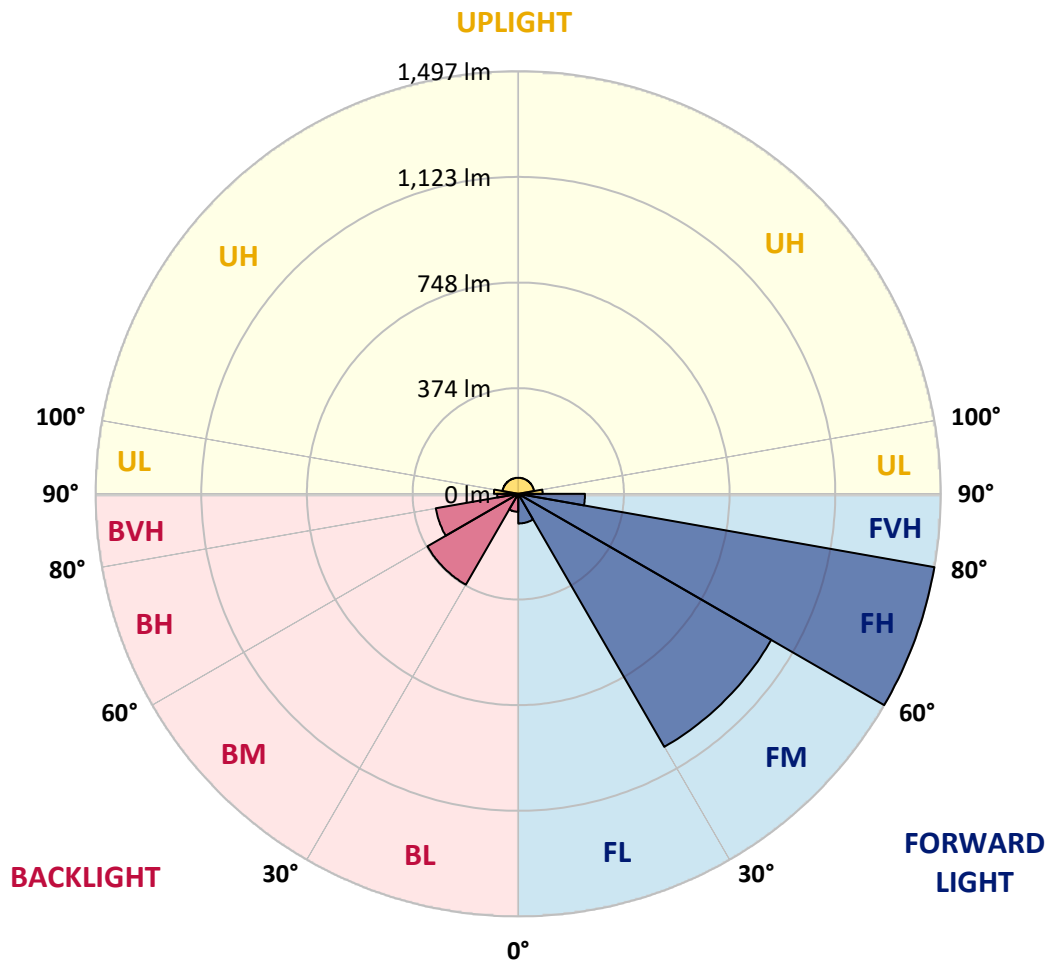


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.1	2.7			
FM (30°-60°)	1034.9	27.1			
FH (60°-80°)	1496.8	39.2			G1/1800
FVH (80°-90°)	236.2	6.2			G3/500
BL (0°-30°)	63.7	1.7	B0/110		
BM (30°-60°)	371.6	9.7	B1/1000		
BH (60°-80°)	296.7	7.8	B1/500		G1/500
BVH (80°-90°)	74.9	2.0			G1/100
UL (90°-100°)	86.3	2.3		U3/500	
UH (100°-180°)	56.8	1.5		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°	72°	75°	85°
0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2.5°	94.8	94.8	94.8	94.8	94.8	94.8	94.8	93.4	92.1	92.1	90.7
5°	103.1	103.1	103.1	103.1	103.1	101.7	98.9	97.6	96.2	94.8	93.4
7.5°	115.4	114.0	114.0	112.7	111.3	109.9	107.2	104.4	101.7	100.3	97.6
10°	130.5	130.5	129.2	126.4	125.0	119.5	116.8	112.7	109.9	108.5	104.4
12.5°	158.0	155.3	153.9	149.8	142.9	136.0	130.5	126.4	123.7	123.7	118.2
15°	189.6	188.2	185.5	174.5	166.3	156.6	149.8	147.0	145.6	142.9	138.8
17.5°	228.1	228.1	222.6	207.5	193.7	184.1	175.9	171.8	170.4	170.4	166.3
20°	277.5	277.5	266.6	244.6	228.1	215.7	206.1	200.6	200.6	199.2	196.5
22.5°	335.3	338.0	321.5	292.7	265.2	247.3	236.3	235.0	235.0	240.5	237.7
25°	402.6	402.6	382.0	344.9	313.3	281.7	273.4	278.9	283.0	288.5	289.9
27.5°	489.1	486.4	452.0	405.3	355.9	321.5	311.9	322.9	335.3	339.4	347.6
30°	588.1	584.0	541.4	475.4	408.1	357.2	353.1	373.7	395.7	399.8	410.8
32.5°	671.9	674.6	626.5	553.7	461.7	401.2	397.1	430.1	457.5	467.2	487.8
35°	773.6	774.9	717.2	625.2	513.9	442.4	441.1	486.4	526.2	538.6	560.6
37.5°	816.2	824.4	780.4	687.0	566.1	486.4	483.7	540.0	585.3	599.1	623.8
40°	860.1	865.6	820.3	732.3	608.7	524.9	526.2	586.7	627.9	644.4	658.2
42.5°	950.8	953.6	891.7	780.4	644.4	564.7	566.1	621.1	667.8	688.4	713.1
45°	1031.9	1044.2	983.8	856.0	692.5	599.1	601.8	677.4	729.6	758.5	788.7
47.5°	1147.3	1147.3	1097.8	956.3	763.9	645.8	660.9	757.1	828.5	853.3	897.2
50°	1250.3	1251.7	1214.6	1064.9	843.6	710.4	737.8	857.4	948.1	976.9	1036.0
52.5°	1335.5	1336.9	1310.8	1189.9	952.2	795.6	827.2	990.7	1092.3	1128.1	1180.3
55°	1441.3	1434.5	1418.0	1314.9	1075.8	905.5	952.2	1132.2	1238.0	1286.1	1349.3
57.5°	1554.0	1545.8	1552.6	1451.0	1217.4	1041.5	1089.6	1283.3	1430.3	1492.2	1565.0
60°	1615.8	1618.6	1670.8	1629.6	1389.1	1210.5	1264.1	1514.2	1666.7	1714.8	1731.3
62.5°	1646.1	1648.8	1738.1	1765.6	1592.5	1387.7	1463.3	1705.1	1815.1	1875.5	1863.2
65°	1637.8	1648.8	1791.7	1867.3	1762.9	1578.7	1659.8	1885.1	2008.8	2040.4	1944.2
67.5°	1490.8	1525.2	1695.5	1885.1	1852.2	1712.0	1791.7	2011.5	2070.6	2065.1	1861.8
70°	1262.7	1272.3	1477.1	1751.9	1826.1	1706.5	1804.1	1985.4	1996.4	1967.6	1679.0
72.5°	971.4	994.8	1180.3	1478.4	1644.7	1584.2	1666.7	1809.6	1742.2	1669.4	1354.8
75°	713.1	703.5	858.8	1148.7	1361.6	1369.9	1451.0	1534.8	1434.5	1375.4	1106.1
77.5°	483.7	507.0	618.3	850.5	1070.4	1144.5	1225.6	1236.6	1170.7	1122.6	846.4
80°	331.1	335.3	419.1	621.1	835.4	939.8	1011.3	1036.0	941.2	886.2	638.9
82.5°	189.6	193.7	265.2	446.6	655.4	776.3	849.1	842.3	733.7	678.8	443.8
85°	105.8	107.2	153.9	276.2	493.3	621.1	684.3	629.3	520.7	469.9	291.3
87.5°	63.2	66.0	92.1	177.2	335.3	480.9	512.5	438.3	336.6	299.5	192.4
90°	39.8	42.6	56.3	104.4	215.7	338.0	347.6	276.2	208.8	188.2	130.5
92.5°	26.1	27.5	37.1	64.6	133.3	213.0	222.6	166.3	129.2	115.4	89.3
95°	20.6	20.6	26.1	44.0	82.4	125.0	134.7	100.3	83.8	75.6	61.8
97.5°	16.5	16.5	20.6	31.6	56.3	78.3	81.1	66.0	56.3	55.0	46.7
100°	13.7	15.1	17.9	24.7	39.8	52.2	52.2	45.3	41.2	41.2	37.1
102.5°	12.4	12.4	15.1	20.6	31.6	39.8	38.5	34.4	31.6	31.6	30.2
105°	12.4	11.0	13.7	16.5	24.7	30.2	28.9	26.1	24.7	23.4	23.4
107.5°	11.0	9.6	11.0	13.7	20.6	24.7	23.4	20.6	19.2	17.9	19.2
110°	9.6	9.6	9.6	12.4	16.5	20.6	19.2	16.5	15.1	15.1	15.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.2	8.2	8.2	11.0	13.7	16.5	16.5	13.7	12.4	11.0	12.4
115°	8.2	8.2	8.2	9.6	12.4	15.1	13.7	11.0	9.6	9.6	11.0
117.5°	6.9	6.9	6.9	9.6	11.0	12.4	12.4	9.6	8.2	8.2	9.6
120°	6.9	6.9	6.9	8.2	11.0	11.0	11.0	8.2	8.2	8.2	9.6
122.5°	6.9	6.9	6.9	8.2	9.6	11.0	9.6	8.2	6.9	6.9	8.2
125°	6.9	6.9	6.9	8.2	9.6	9.6	8.2	6.9	6.9	6.9	8.2
127.5°	6.9	6.9	6.9	8.2	8.2	8.2	8.2	6.9	6.9	6.9	8.2
130°	6.9	6.9	6.9	6.9	8.2	8.2	6.9	6.9	6.9	6.9	6.9
132.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.5	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	6.9	6.9	5.5	5.5	5.5	5.5	6.9
137.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.9
140°	5.5	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	5.5
142.5°	5.5	5.5	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	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1
147.5°	4.1	4.1	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	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2.5°	90.7	90.7	89.3	87.9	87.9	87.9	87.9	87.9	86.6	86.6	86.6
5°	92.1	90.7	89.3	87.9	86.6	85.2	83.8	83.8	82.4	82.4	82.4
7.5°	96.2	94.8	90.7	87.9	85.2	83.8	82.4	81.1	79.7	78.3	78.3
10°	103.1	100.3	94.8	90.7	86.6	83.8	81.1	79.7	78.3	78.3	76.9
12.5°	115.4	112.7	104.4	97.6	90.7	86.6	82.4	81.1	81.1	81.1	82.4
15°	136.0	131.9	120.9	111.3	100.3	92.1	89.3	90.7	92.1	93.4	93.4
17.5°	162.1	156.6	144.3	127.8	112.7	103.1	101.7	103.1	105.8	108.5	108.5
20°	192.4	185.5	166.3	147.0	127.8	119.5	115.4	118.2	122.3	127.8	126.4
22.5°	235.0	224.0	200.6	169.0	147.0	136.0	130.5	134.7	142.9	148.4	148.4
25°	283.0	269.3	239.1	196.5	166.3	149.8	147.0	153.9	169.0	177.2	177.2
27.5°	338.0	321.5	280.3	225.3	186.9	164.9	162.1	177.2	196.5	211.6	210.2
30°	402.6	383.3	329.8	255.6	206.1	177.2	180.0	200.6	226.7	244.6	244.6
32.5°	476.8	446.6	377.9	288.5	221.2	188.2	193.7	221.2	252.8	270.7	273.4
35°	546.9	511.1	417.7	313.3	233.6	197.9	204.7	240.5	277.5	299.5	299.5
37.5°	607.3	568.8	449.3	329.8	239.1	203.4	214.3	255.6	291.3	313.3	313.3
40°	636.2	590.8	458.9	332.5	240.5	206.1	219.8	262.4	296.8	314.6	313.3
42.5°	688.4	627.9	460.3	317.4	236.3	207.5	222.6	259.7	285.8	294.0	292.7
45°	758.5	680.1	467.2	303.7	226.7	204.7	219.8	250.1	265.2	266.6	263.8
47.5°	849.1	755.7	476.8	291.3	218.5	200.6	213.0	236.3	244.6	240.5	239.1
50°	974.2	842.3	490.5	277.5	213.0	193.7	206.1	226.7	232.2	224.0	222.6
52.5°	1096.5	928.8	496.0	263.8	207.5	189.6	202.0	222.6	224.0	210.2	208.8
55°	1244.9	1022.3	489.1	248.7	204.7	188.2	202.0	219.8	214.3	200.6	197.9
57.5°	1430.3	1141.8	487.8	235.0	199.2	188.2	203.4	217.1	213.0	203.4	202.0
60°	1545.8	1192.6	465.8	226.7	195.1	191.0	206.1	221.2	215.7	204.7	203.4
62.5°	1628.2	1214.6	432.8	217.1	192.4	191.0	210.2	222.6	214.3	206.1	204.7
65°	1651.6	1192.6	398.5	207.5	188.2	191.0	211.6	221.2	217.1	211.6	211.6
67.5°	1552.6	1093.7	349.0	199.2	182.7	186.9	208.8	222.6	219.8	217.1	215.7
70°	1372.6	953.6	303.7	188.2	173.1	180.0	204.7	222.6	222.6	221.2	221.2
72.5°	1095.1	736.5	244.6	175.9	162.1	171.8	199.2	218.5	217.1	215.7	214.3
75°	878.0	581.2	207.5	159.4	151.1	160.8	191.0	210.2	207.5	207.5	206.1
77.5°	660.9	439.7	175.9	144.3	137.4	151.1	178.6	196.5	195.1	193.7	191.0
80°	478.2	325.6	149.8	130.5	126.4	138.8	163.5	178.6	178.6	178.6	177.2
82.5°	346.3	240.5	130.5	118.2	115.4	126.4	147.0	159.4	164.9	169.0	166.3
85°	228.1	169.0	115.4	107.2	107.2	116.8	133.3	144.3	152.5	156.6	155.3
87.5°	155.3	129.2	101.7	94.8	97.6	107.2	122.3	130.5	137.4	141.5	140.1
90°	109.9	100.3	86.6	81.1	83.8	96.2	109.9	116.8	119.5	120.9	119.5
92.5°	78.3	74.2	68.7	66.0	70.1	83.8	96.2	98.9	98.9	97.6	94.8
95°	59.1	56.3	55.0	52.2	57.7	70.1	79.7	79.7	79.7	75.6	75.6
97.5°	45.3	45.3	45.3	42.6	46.7	56.3	63.2	61.8	61.8	59.1	59.1
100°	37.1	37.1	37.1	35.7	38.5	45.3	48.1	48.1	49.5	48.1	48.1
102.5°	30.2	30.2	30.2	30.2	31.6	37.1	39.8	38.5	39.8	39.8	39.8
105°	24.7	24.7	26.1	24.7	27.5	31.6	31.6	31.6	33.0	30.2	31.6
107.5°	19.2	20.6	20.6	20.6	23.4	26.1	27.5	26.1	26.1	24.7	24.7
110°	16.5	17.9	17.9	17.9	19.2	22.0	23.4	22.0	20.6	20.6	20.6

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**CANDELA DISTRIBUTION (continued):**

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