

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: P695578

Luminaire Tested: **LXF.LXT-PA16-60-727-U-SL3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695578  
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-PA16-60-727-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA 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: 5054 lumens  
Efficiency: N/A  
Efficacy: 81.5 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

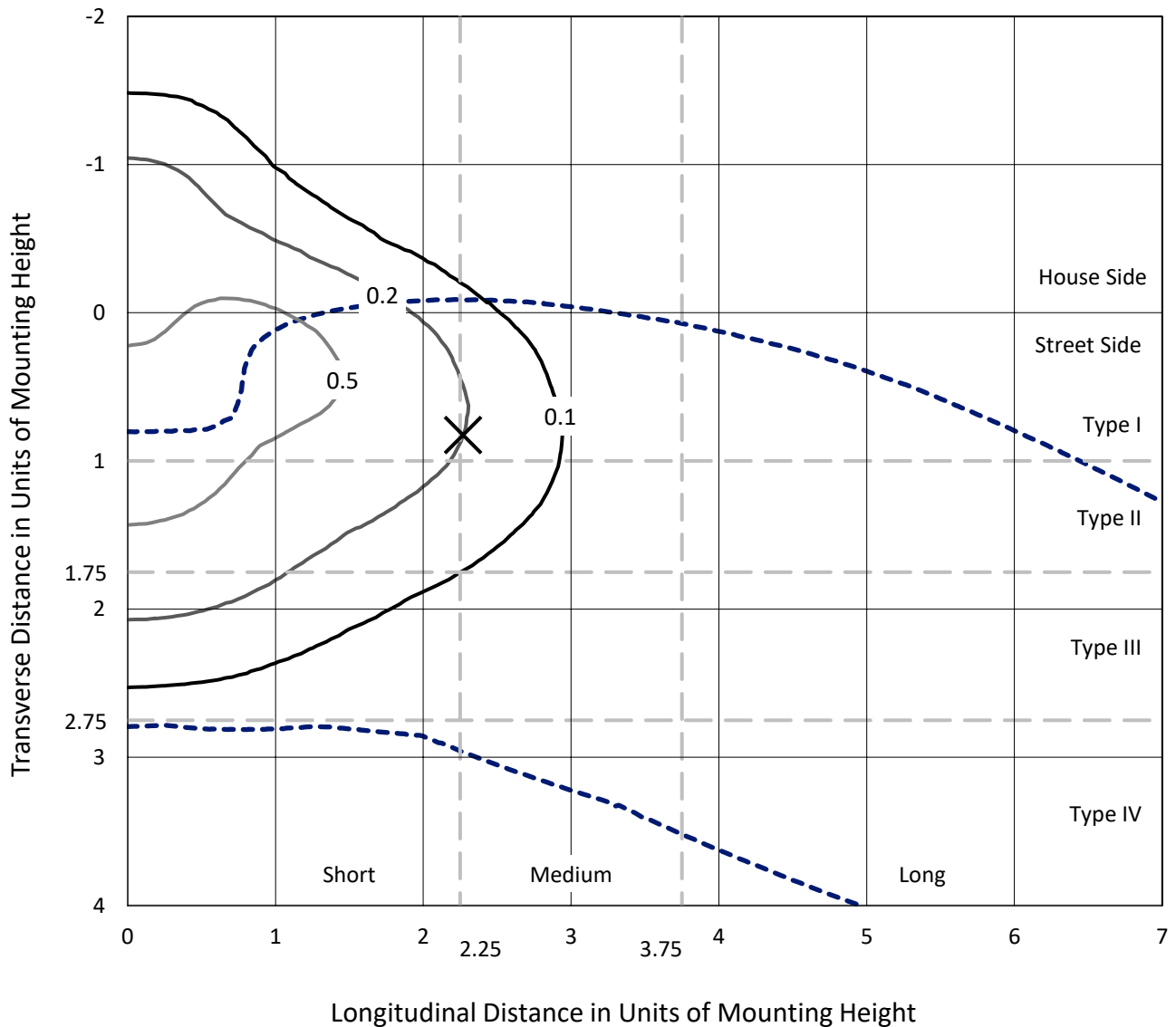
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

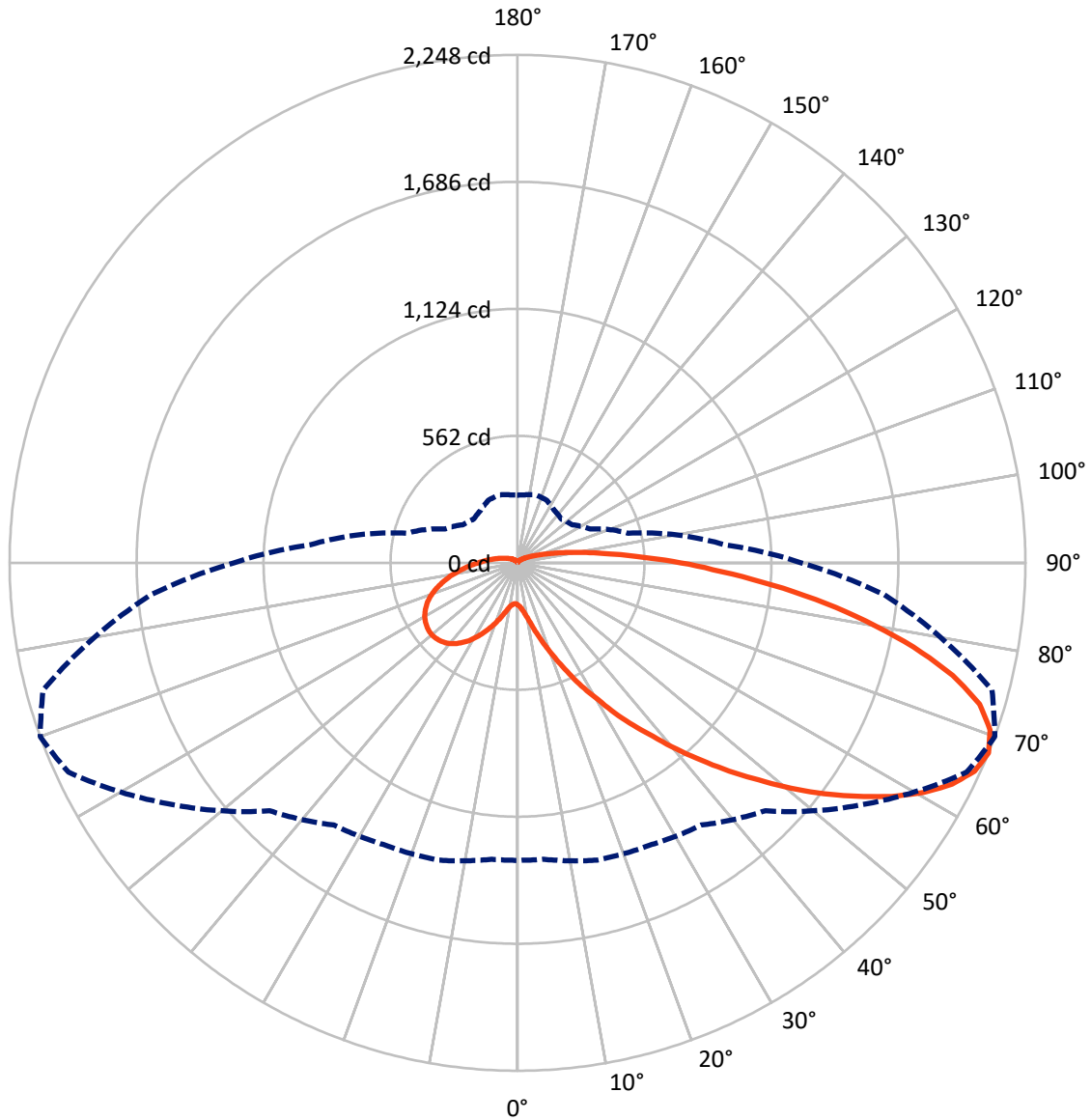
✕ Max cd  
 - - - 1/2 Max cd



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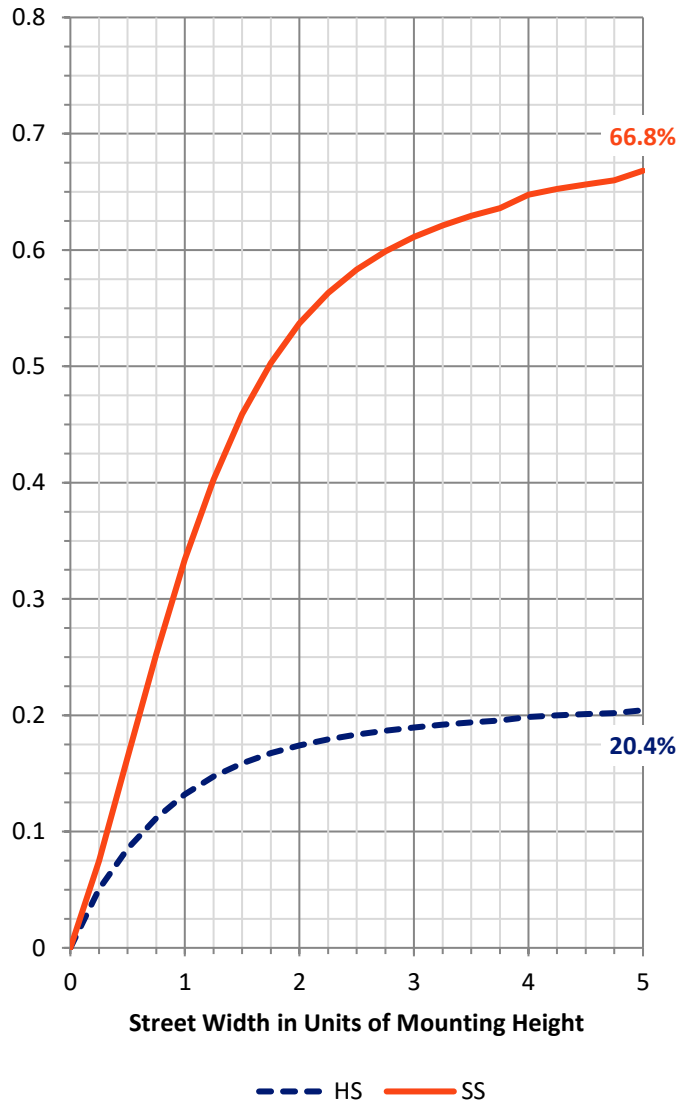
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1089.5	148.3	1237.9
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	3538.4	277.7	3816.1
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	4627.9	426.1	5054.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.4	0.4
10°-20°	80.0	1.6
20°-30°	201.6	4.0
30°-40°	394.9	7.8
40°-50°	643.0	12.7
50°-60°	900.9	17.8
60°-70°	1033.4	20.4
70°-80°	860.1	17.0
80°-90°	494.6	9.8
90°-100°	226.9	4.5
100°-110°	103.9	2.1
110°-120°	51.1	1.0
120°-130°	26.4	0.5
130°-140°	12.8	0.3
140°-150°	4.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4627.9	91.6
0°-180°	5054.0	100.0

**Coefficient of Utilization**

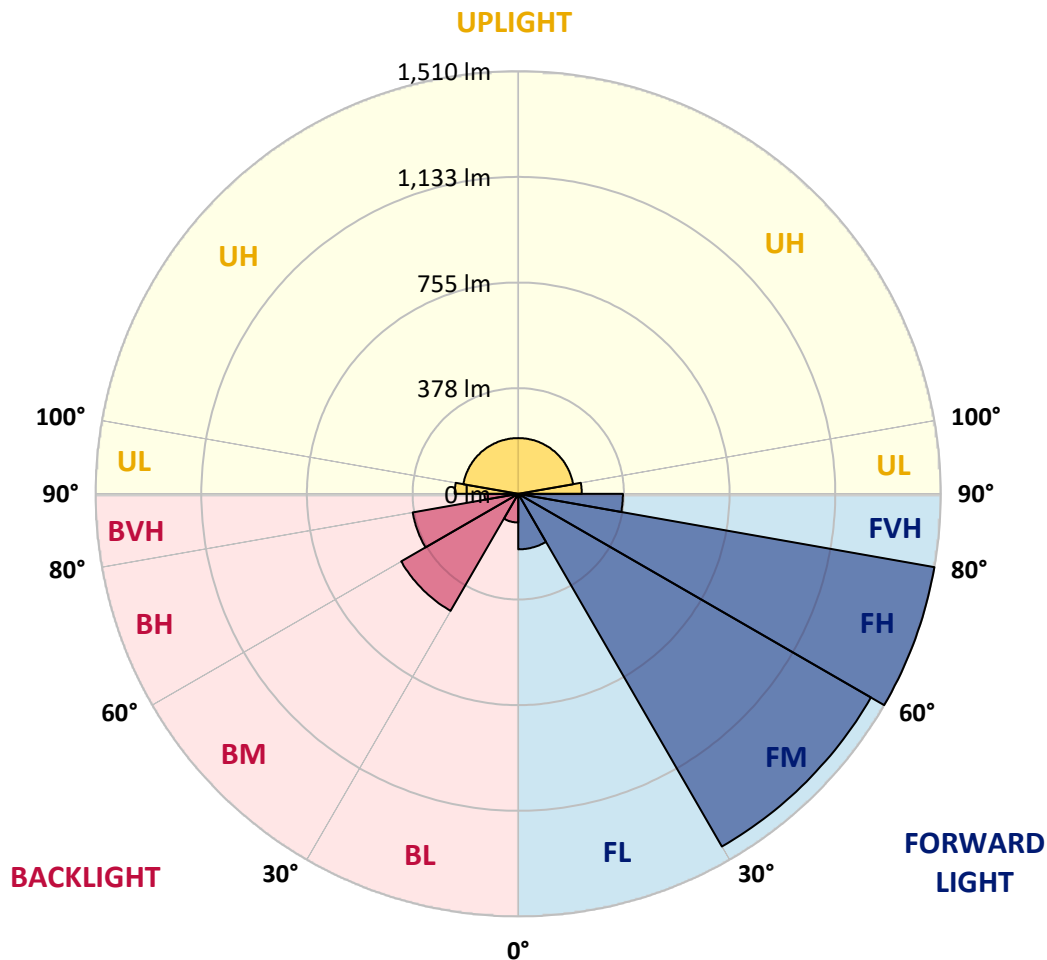


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.5	3.9			
FM (30°-60°)	1455.6	28.8			
FH (60°-80°)	1510.4	29.9			G1/1800
FVH (80°-90°)	374.0	7.4			G3/500
BL (0°-30°)	102.6	2.0	B0/110		
BM (30°-60°)	483.2	9.6	B1/1000		
BH (60°-80°)	383.1	7.6	B1/500		G1/500
BVH (80°-90°)	120.7	2.4			G2/225
UL (90°-100°)	226.9	4.5		U3/500	
UH (100°-180°)	199.2	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°	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9
2.5°	203.5	203.5	203.5	201.5	201.5	197.6	197.6	193.7	193.7	191.7	187.8
5°	228.9	228.9	226.9	226.9	223.0	219.1	215.2	209.3	205.4	203.5	197.6
7.5°	258.2	258.2	256.3	252.4	250.4	244.6	236.7	228.9	225.0	221.1	211.3
10°	293.5	293.5	289.5	287.6	283.7	275.9	268.0	256.3	250.4	244.6	230.9
12.5°	334.5	330.6	330.6	324.8	318.9	313.0	303.2	289.5	283.7	275.9	258.2
15°	377.6	377.6	377.6	371.7	363.9	354.1	346.3	332.6	328.7	316.9	297.4
17.5°	428.5	432.4	426.5	418.7	414.8	405.0	395.2	385.4	375.6	363.9	338.5
20°	491.1	489.1	483.2	475.4	469.5	459.8	453.9	436.3	428.5	416.7	379.5
22.5°	551.7	553.7	547.8	536.1	528.2	522.4	512.6	498.9	487.1	473.5	432.4
25°	631.9	630.0	616.3	598.7	590.8	583.0	577.1	563.4	555.6	543.9	491.1
27.5°	712.1	704.3	694.5	678.9	659.3	645.6	641.7	635.8	630.0	610.4	551.7
30°	796.3	788.4	776.7	751.3	723.9	708.2	708.2	716.0	702.4	686.7	620.2
32.5°	886.3	876.5	860.8	829.5	792.3	774.7	782.6	796.3	794.3	770.8	688.7
35°	976.3	974.3	950.8	911.7	864.7	843.2	855.0	882.3	882.3	864.7	763.0
37.5°	1064.3	1066.2	1044.7	995.8	935.2	911.7	929.3	974.3	974.3	960.6	835.4
40°	1175.8	1171.9	1132.8	1076.0	1009.5	980.2	1015.4	1074.1	1083.9	1058.4	915.6
42.5°	1271.7	1263.8	1232.5	1162.1	1081.9	1046.7	1095.6	1175.8	1195.4	1166.0	997.8
45°	1369.5	1359.7	1322.5	1244.3	1154.3	1113.2	1181.7	1289.3	1314.7	1287.3	1083.9
47.5°	1461.4	1451.7	1418.4	1324.5	1230.6	1193.4	1269.7	1404.7	1436.0	1412.5	1168.0
50°	1545.6	1543.6	1502.5	1404.7	1297.1	1261.9	1361.7	1526.0	1567.1	1531.9	1254.1
52.5°	1618.0	1610.1	1571.0	1477.1	1363.6	1336.2	1455.6	1653.2	1698.2	1663.0	1340.1
55°	1663.0	1659.0	1623.8	1531.9	1424.3	1404.7	1549.5	1768.6	1823.4	1792.1	1420.4
57.5°	1684.5	1678.6	1649.3	1567.1	1469.3	1467.3	1635.6	1887.9	1950.5	1909.5	1502.5
60°	1663.0	1659.0	1639.5	1576.9	1498.6	1516.2	1725.6	1997.5	2064.0	2019.0	1567.1
62.5°	1590.6	1590.6	1588.6	1551.4	1504.5	1557.3	1796.0	2091.4	2157.9	2103.1	1614.0
65°	1477.1	1483.0	1494.7	1486.9	1479.1	1571.0	1842.9	2161.8	2222.5	2157.9	1639.5
67.5°	1316.7	1316.7	1361.7	1379.3	1416.4	1551.4	1864.5	2193.1	2247.9	2173.6	1629.7
70°	1138.6	1138.6	1189.5	1240.4	1322.5	1500.6	1841.0	2175.5	2218.6	2136.4	1586.7
72.5°	952.8	954.7	1015.4	1085.8	1199.3	1412.5	1778.4	2099.2	2138.4	2040.5	1500.6
75°	770.8	786.5	837.3	929.3	1060.4	1295.1	1661.0	1966.2	1989.7	1895.8	1379.3
77.5°	610.4	630.0	690.6	780.6	917.6	1146.5	1502.5	1788.2	1792.1	1702.1	1232.5
80°	483.2	496.9	559.5	643.7	776.7	995.8	1314.7	1567.1	1563.2	1475.1	1056.5
82.5°	381.5	391.3	440.2	522.4	649.5	853.0	1128.9	1314.7	1328.4	1242.3	886.3
85°	293.5	305.2	350.2	422.6	536.1	710.2	933.2	1078.0	1083.9	1007.6	729.7
87.5°	225.0	236.7	277.8	346.3	442.2	583.0	761.0	874.5	864.7	804.1	577.1
90°	174.1	180.0	221.1	277.8	361.9	481.3	612.4	686.7	686.7	628.0	461.7
92.5°	138.9	140.9	178.0	228.9	299.3	391.3	493.0	540.0	526.3	493.0	363.9
95°	109.6	113.5	142.8	187.8	246.5	320.9	389.3	422.6	410.8	379.5	285.6
97.5°	88.0	92.0	117.4	156.5	205.4	262.2	313.0	328.7	322.8	301.3	226.9
100°	72.4	74.3	95.9	133.0	172.2	217.2	250.4	260.2	248.5	234.8	178.0
102.5°	60.6	62.6	82.2	111.5	146.7	178.0	203.5	207.4	197.6	181.9	142.8
105°	50.9	52.8	68.5	95.9	123.3	150.6	166.3	164.3	154.6	142.8	115.4
107.5°	45.0	45.0	58.7	82.2	107.6	125.2	136.9	133.0	123.3	111.5	93.9
110°	39.1	39.1	48.9	70.4	92.0	107.6	113.5	107.6	97.8	90.0	76.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	35.2	35.2	43.0	60.6	78.3	92.0	93.9	86.1	80.2	74.3	62.6
115°	31.3	33.3	37.2	50.9	66.5	78.3	78.3	72.4	66.5	60.6	54.8
117.5°	29.3	29.3	33.3	45.0	58.7	66.5	66.5	60.6	54.8	50.9	47.0
120°	27.4	27.4	31.3	39.1	50.9	56.7	56.7	50.9	47.0	43.0	41.1
122.5°	25.4	25.4	27.4	33.3	43.0	48.9	48.9	43.0	39.1	37.2	35.2
125°	23.5	23.5	25.4	29.3	37.2	41.1	41.1	35.2	33.3	31.3	31.3
127.5°	21.5	21.5	23.5	25.4	31.3	35.2	33.3	29.3	27.4	27.4	27.4
130°	19.6	19.6	21.5	23.5	27.4	29.3	27.4	25.4	23.5	23.5	23.5
132.5°	19.6	19.6	19.6	19.6	21.5	23.5	23.5	21.5	19.6	21.5	21.5
135°	17.6	17.6	17.6	17.6	17.6	19.6	17.6	17.6	17.6	17.6	17.6
137.5°	15.7	15.7	15.7	15.7	15.7	15.7	13.7	13.7	13.7	15.7	15.7
140°	13.7	13.7	13.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.7
142.5°	11.7	11.7	11.7	9.8	9.8	7.8	7.8	7.8	9.8	9.8	11.7
145°	9.8	9.8	9.8	7.8	5.9	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	5.9	5.9	5.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	3.9
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°	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9
2.5°	187.8	185.9	183.9	180.0	178.0	178.0	178.0	176.1	176.1	174.1	174.1
5°	193.7	191.7	183.9	178.0	174.1	170.2	166.3	164.3	162.4	160.4	160.4
7.5°	205.4	201.5	191.7	181.9	174.1	166.3	160.4	156.5	154.6	152.6	152.6
10°	223.0	217.2	201.5	187.8	176.1	166.3	158.5	154.6	150.6	148.7	148.7
12.5°	248.5	240.6	219.1	199.6	183.9	170.2	162.4	156.5	152.6	150.6	150.6
15°	283.7	270.0	242.6	217.2	195.6	178.0	168.3	164.3	162.4	162.4	162.4
17.5°	320.9	301.3	270.0	236.7	211.3	191.7	181.9	178.0	176.1	176.1	176.1
20°	361.9	340.4	297.4	258.2	226.9	209.3	197.6	193.7	191.7	191.7	191.7
22.5°	406.9	383.5	326.7	277.8	246.5	226.9	215.2	209.3	211.3	211.3	211.3
25°	457.8	424.5	358.0	301.3	264.1	244.6	232.8	226.9	230.9	232.8	232.8
27.5°	514.5	469.5	387.4	322.8	283.7	260.2	250.4	246.5	252.4	254.3	256.3
30°	569.3	518.5	416.7	346.3	299.3	275.9	266.1	268.0	271.9	275.9	279.8
32.5°	630.0	563.4	448.0	365.9	315.0	287.6	281.7	287.6	295.4	299.3	301.3
35°	688.7	610.4	471.5	383.5	326.7	299.3	295.4	305.2	315.0	322.8	322.8
37.5°	747.4	653.4	496.9	397.2	336.5	307.2	307.2	320.9	332.6	342.4	342.4
40°	808.0	700.4	518.5	408.9	344.3	315.0	316.9	334.5	350.2	356.1	358.0
42.5°	870.6	739.5	536.1	416.7	348.2	320.9	324.8	346.3	361.9	367.8	369.8
45°	931.3	780.6	549.8	420.6	352.2	322.8	328.7	354.1	369.8	375.6	375.6
47.5°	988.0	815.8	559.5	422.6	352.2	322.8	332.6	358.0	375.6	377.6	377.6
50°	1048.6	851.0	567.4	422.6	350.2	322.8	332.6	360.0	375.6	375.6	375.6
52.5°	1107.3	882.3	571.3	418.7	346.3	320.9	330.6	358.0	373.7	369.8	369.8
55°	1162.1	907.8	569.3	412.8	340.4	315.0	326.7	354.1	367.8	361.9	361.9
57.5°	1207.1	929.3	565.4	405.0	334.5	309.1	320.9	348.2	360.0	352.2	350.2
60°	1246.2	943.0	557.6	395.2	324.8	301.3	315.0	340.4	350.2	340.4	338.5
62.5°	1267.8	948.9	545.8	381.5	316.9	293.5	305.2	330.6	338.5	326.7	326.7
65°	1275.6	941.0	528.2	367.8	305.2	285.6	295.4	318.9	324.8	315.0	313.0
67.5°	1256.0	919.5	506.7	354.1	293.5	273.9	283.7	305.2	311.1	301.3	299.3
70°	1214.9	878.4	479.3	334.5	279.8	262.2	270.0	287.6	295.4	287.6	285.6
72.5°	1138.6	827.6	448.0	315.0	264.1	248.5	256.3	271.9	279.8	271.9	270.0
75°	1048.6	761.0	412.8	293.5	248.5	234.8	240.6	252.4	260.2	256.3	252.4
77.5°	929.3	680.8	375.6	271.9	232.8	219.1	223.0	234.8	240.6	236.7	236.7
80°	804.1	592.8	338.5	248.5	217.2	205.4	205.4	215.2	221.1	219.1	215.2
82.5°	682.8	506.7	299.3	225.0	197.6	187.8	189.8	193.7	201.5	197.6	195.6
85°	561.5	430.4	262.2	203.5	180.0	172.2	172.2	174.1	180.0	178.0	176.1
87.5°	459.8	354.1	228.9	180.0	162.4	156.5	152.6	156.5	156.5	156.5	152.6
90°	373.7	293.5	197.6	160.4	148.7	140.9	136.9	136.9	136.9	135.0	133.0
92.5°	297.4	242.6	172.2	142.8	133.0	127.2	123.3	121.3	119.3	115.4	115.4
95°	244.6	199.6	148.7	125.2	119.3	113.5	109.6	107.6	103.7	99.8	97.8
97.5°	193.7	166.3	127.2	111.5	105.6	101.7	97.8	93.9	88.0	84.1	82.2
100°	154.6	135.0	109.6	97.8	93.9	90.0	86.1	82.2	76.3	70.4	68.5
102.5°	127.2	113.5	93.9	88.0	84.1	80.2	78.3	72.4	64.6	58.7	58.7
105°	103.7	93.9	82.2	76.3	74.3	72.4	68.5	62.6	54.8	48.9	48.9
107.5°	86.1	80.2	70.4	68.5	66.5	64.6	60.6	54.8	47.0	41.1	41.1
110°	72.4	66.5	60.6	58.7	58.7	56.7	54.8	47.0	41.1	35.2	35.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.6	56.7	54.8	52.8	52.8	50.9	48.9	41.1	35.2	31.3	31.3
115°	50.9	48.9	47.0	47.0	47.0	45.0	43.0	37.2	29.3	27.4	27.4
117.5°	45.0	43.0	41.1	41.1	41.1	41.1	37.2	31.3	25.4	23.5	23.5
120°	39.1	39.1	37.2	37.2	37.2	35.2	33.3	27.4	21.5	21.5	21.5
122.5°	35.2	33.3	33.3	33.3	33.3	31.3	27.4	23.5	19.6	19.6	19.6
125°	31.3	29.3	29.3	29.3	29.3	27.4	23.5	19.6	17.6	17.6	17.6
127.5°	27.4	27.4	25.4	25.4	25.4	23.5	21.5	17.6	15.7	15.7	15.7
130°	23.5	23.5	23.5	23.5	21.5	19.6	17.6	15.7	13.7	13.7	13.7
132.5°	21.5	21.5	19.6	19.6	19.6	17.6	15.7	13.7	11.7	13.7	13.7
135°	17.6	17.6	17.6	17.6	15.7	13.7	13.7	11.7	11.7	11.7	11.7
137.5°	15.7	15.7	15.7	13.7	13.7	11.7	11.7	9.8	9.8	9.8	11.7
140°	13.7	13.7	11.7	11.7	9.8	9.8	9.8	7.8	9.8	9.8	9.8
142.5°	11.7	11.7	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	5.9
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)