

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: P695588

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
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-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5448 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G3

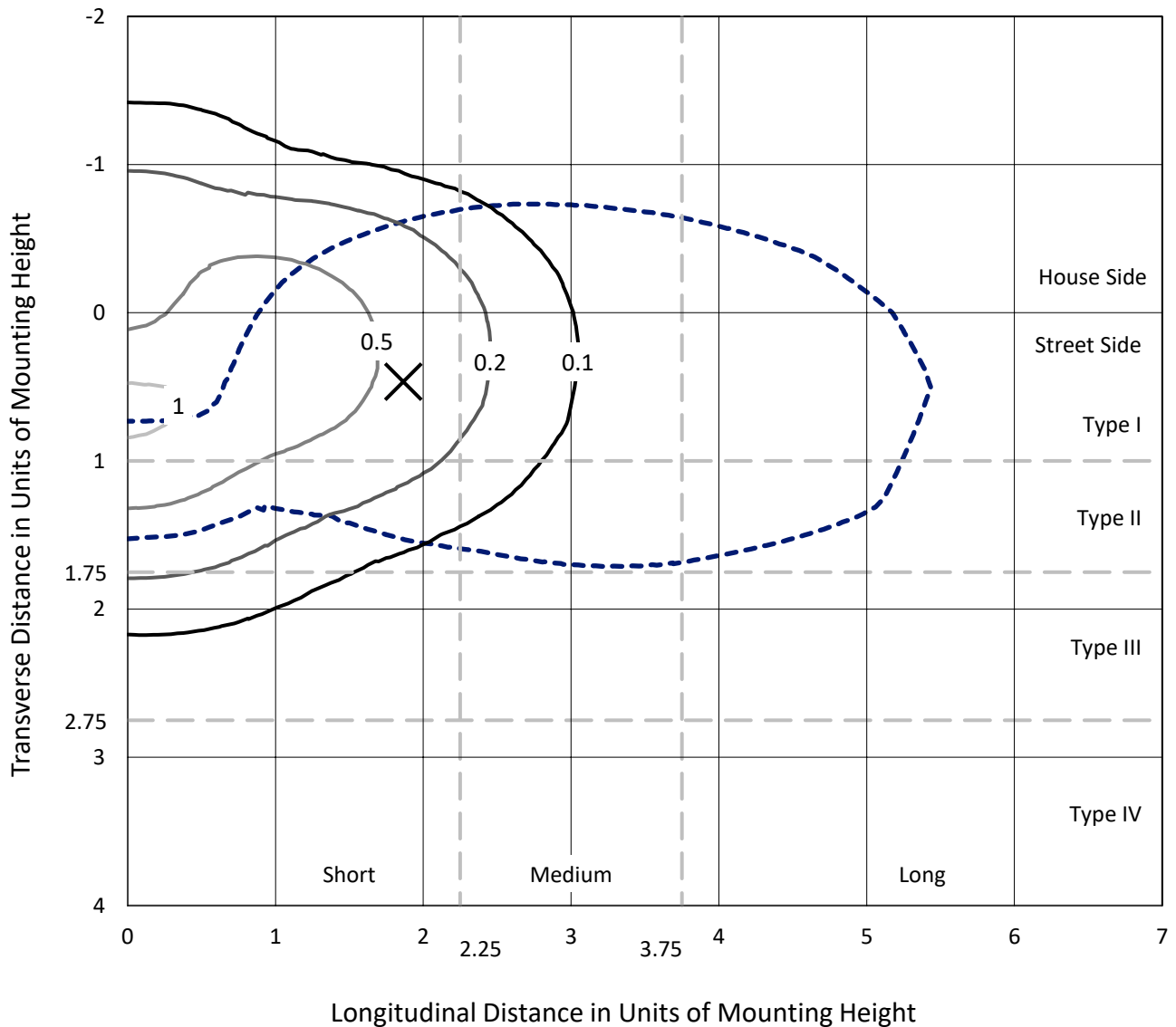
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

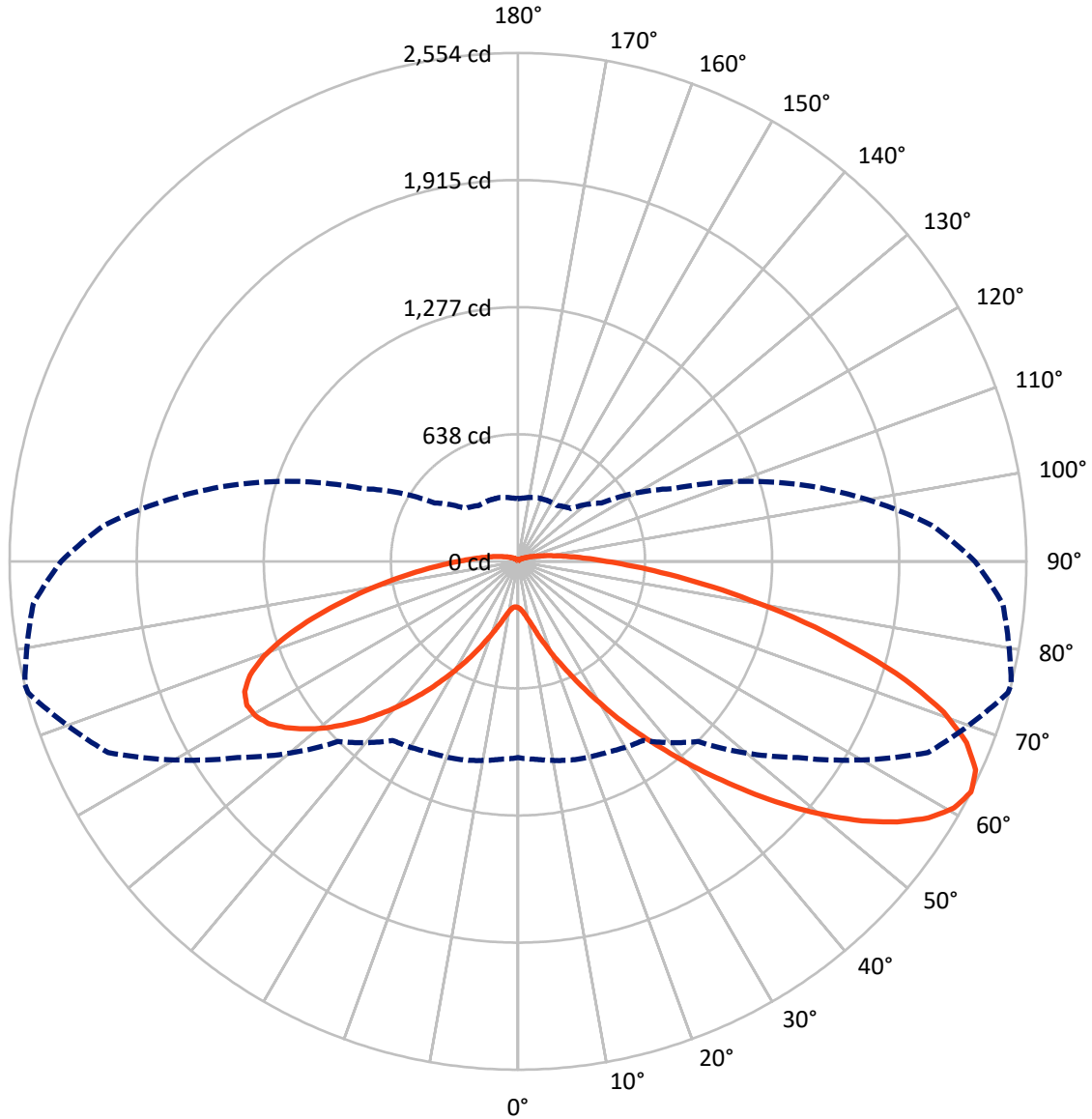
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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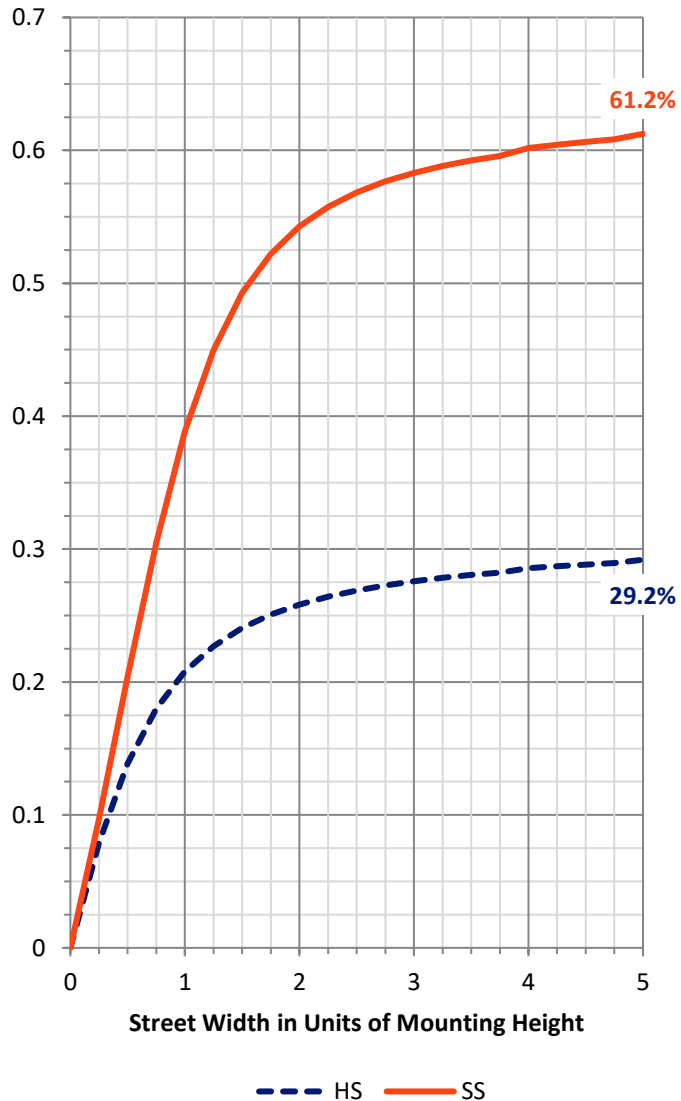
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1657.4	162.8	1820.2
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	3428.5	199.3	3627.8
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	5085.9	362.1	5448.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	0.4
10°-20°	100.2	1.8
20°-30°	256.0	4.7
30°-40°	511.6	9.4
40°-50°	826.6	15.2
50°-60°	1081.2	19.8
60°-70°	1096.9	20.1
70°-80°	788.7	14.5
80°-90°	400.5	7.4
90°-100°	181.1	3.3
100°-110°	88.9	1.6
110°-120°	47.5	0.9
120°-130°	26.2	0.5
130°-140°	13.2	0.2
140°-150°	4.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5085.9	93.4
0°-180°	5448.0	100.0

**Coefficient of Utilization**

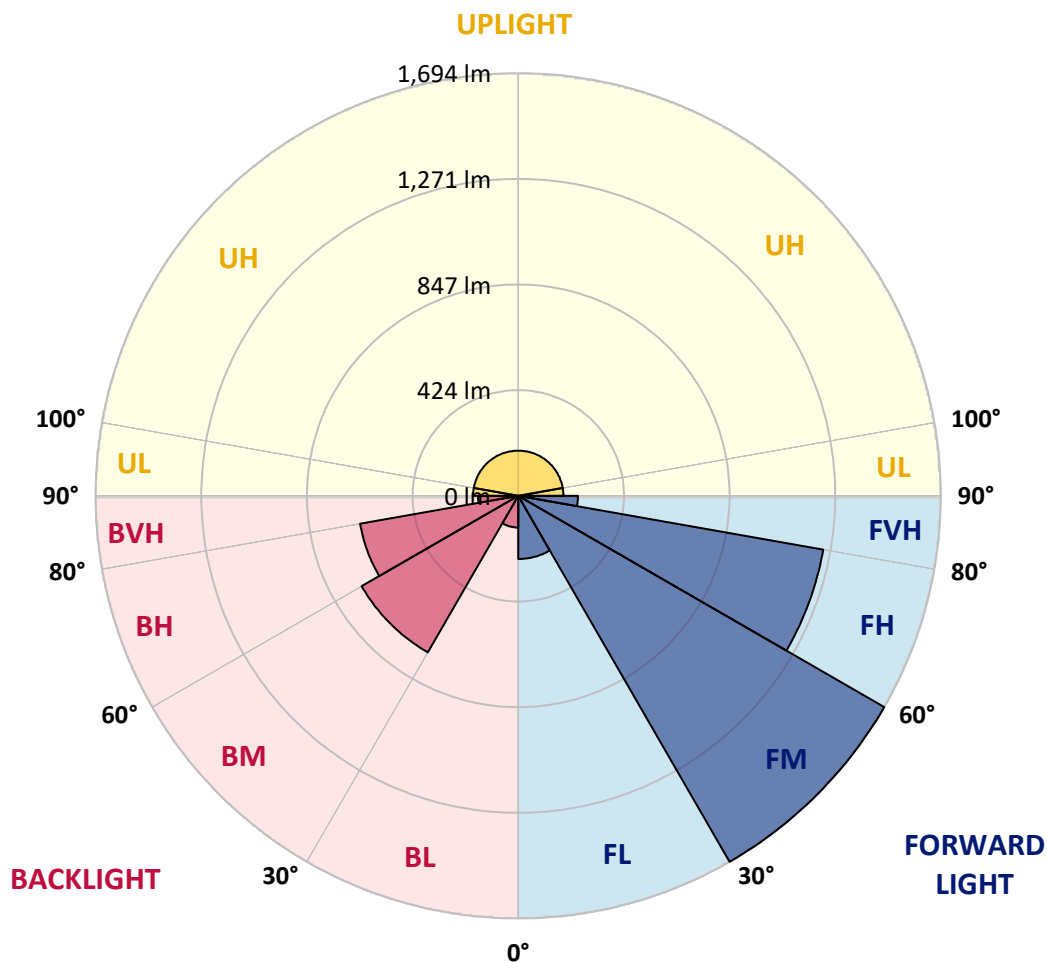


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.3	4.6			
FM (30°-60°)	1694.4	31.1			
FH (60°-80°)	1241.7	22.8			G1/1800
FVH (80°-90°)	239.2	4.4			G3/500
BL (0°-30°)	127.2	2.3	B1/500		
BM (30°-60°)	725.0	13.3	B1/1000		
BH (60°-80°)	643.9	11.8	B2/1000		G2/1000
BVH (80°-90°)	161.3	3.0			G2/225
UL (90°-100°)	181.1	3.3		U3/500	
UH (100°-180°)	181.0	3.3		U3/500	

**BUG Rating: B2-U3-G3**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9
2.5°	260.3	258.3	258.3	256.4	254.4	252.5	248.5	244.6	240.7	240.7	236.8
5°	295.5	293.5	293.5	289.6	285.7	277.9	272.0	264.2	256.4	254.4	246.6
7.5°	334.6	336.6	334.6	328.8	322.9	313.1	301.4	289.6	275.9	274.0	262.2
10°	383.6	385.5	379.7	371.8	366.0	356.2	338.6	322.9	305.3	303.3	287.7
12.5°	442.3	438.4	438.4	428.6	416.8	399.2	379.7	362.0	340.5	336.6	319.0
15°	501.0	508.8	502.9	489.2	471.6	454.0	434.5	412.9	391.4	387.5	362.0
17.5°	569.5	579.3	571.4	555.8	538.2	514.7	497.1	469.7	444.2	438.4	409.0
20°	655.6	655.6	645.8	626.2	606.7	589.1	563.6	534.3	504.9	502.9	463.8
22.5°	741.7	737.8	728.0	706.5	683.0	663.4	634.1	606.7	577.3	567.5	534.3
25°	837.6	833.7	816.1	786.7	767.1	739.7	716.3	688.9	657.6	647.8	610.6
27.5°	935.4	931.5	910.0	882.6	851.3	823.9	800.4	778.9	739.7	739.7	696.7
30°	1037.2	1031.3	1005.9	976.5	937.4	910.0	896.3	874.8	847.4	841.5	788.7
32.5°	1133.1	1135.1	1109.6	1068.5	1027.4	1000.0	994.2	988.3	958.9	957.0	900.2
35°	1232.9	1229.0	1201.6	1160.5	1117.4	1092.0	1094.0	1105.7	1080.3	1076.3	1007.9
37.5°	1322.9	1322.9	1293.6	1242.7	1195.7	1176.2	1203.6	1234.9	1217.3	1205.5	1135.1
40°	1405.1	1399.3	1373.8	1321.0	1268.1	1266.2	1315.1	1362.1	1356.2	1352.3	1266.2
42.5°	1465.8	1458.0	1434.5	1379.7	1332.7	1342.5	1422.7	1512.8	1510.8	1503.0	1411.0
45°	1499.1	1495.1	1473.6	1422.7	1377.7	1414.9	1532.3	1653.7	1675.2	1669.3	1557.8
47.5°	1504.9	1503.0	1485.4	1440.3	1407.1	1467.7	1640.0	1802.4	1835.7	1837.6	1710.4
50°	1481.4	1481.4	1469.7	1434.5	1414.9	1504.9	1724.1	1955.0	2002.0	2004.0	1865.0
52.5°	1424.7	1424.7	1424.7	1401.2	1397.3	1516.7	1794.6	2076.4	2168.4	2166.4	2025.5
55°	1344.5	1342.5	1350.3	1346.4	1352.3	1497.1	1827.8	2189.9	2317.1	2311.2	2172.3
57.5°	1244.6	1238.8	1258.3	1266.2	1283.8	1450.1	1833.7	2266.2	2436.5	2432.5	2291.6
60°	1115.5	1119.4	1148.8	1162.5	1193.8	1375.8	1794.6	2293.6	2516.7	2516.7	2391.4
62.5°	986.3	998.1	1033.3	1058.7	1097.9	1279.9	1718.2	2272.1	2548.0	2553.9	2444.3
65°	861.1	876.7	915.9	943.3	992.2	1162.5	1593.0	2187.9	2516.7	2526.5	2448.2
67.5°	747.6	751.5	794.5	825.9	876.7	1037.2	1450.1	2045.1	2413.0	2430.6	2385.6
70°	638.0	643.9	686.9	722.1	767.1	906.1	1279.9	1833.7	2238.8	2268.2	2246.6
72.5°	532.3	542.1	579.3	620.4	663.4	784.8	1097.9	1620.4	2004.0	2035.3	2047.0
75°	448.2	457.9	495.1	534.3	573.4	671.2	935.4	1371.9	1733.9	1751.5	1808.3
77.5°	371.8	383.6	414.9	454.0	489.2	571.4	775.0	1131.1	1458.0	1471.7	1520.6
80°	311.2	320.9	346.4	383.6	411.0	479.5	634.1	915.9	1168.3	1185.9	1229.0
82.5°	258.3	262.2	289.6	320.9	350.3	405.1	518.6	728.0	915.9	935.4	994.2
85°	217.2	219.2	242.7	268.1	295.5	336.6	422.7	569.5	706.5	720.2	763.2
87.5°	176.1	180.0	203.5	227.0	248.5	283.8	342.5	448.2	544.0	549.9	579.3
90°	146.8	150.7	170.3	191.8	213.3	236.8	281.8	346.4	414.9	418.8	436.4
92.5°	123.3	125.2	142.9	164.4	184.0	203.5	230.9	274.0	322.9	326.8	334.6
95°	103.7	105.7	121.3	138.9	156.6	172.2	193.7	221.1	250.5	252.5	260.3
97.5°	90.0	90.0	103.7	119.4	135.0	146.8	160.5	180.0	197.7	195.7	197.7
100°	76.3	76.3	88.1	103.7	117.4	127.2	135.0	144.8	152.6	154.6	154.6
102.5°	66.5	66.5	76.3	92.0	103.7	111.5	117.4	119.4	123.3	123.3	121.3
105°	56.8	58.7	66.5	80.2	90.0	97.8	99.8	99.8	97.8	97.8	97.8
107.5°	50.9	50.9	58.7	70.5	80.2	86.1	88.1	84.2	80.2	78.3	78.3
110°	47.0	47.0	52.8	62.6	72.4	76.3	76.3	70.5	64.6	66.5	64.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	41.1	43.1	47.0	56.8	64.6	68.5	66.5	60.7	54.8	52.8	52.8
115°	39.1	39.1	43.1	50.9	58.7	60.7	58.7	52.8	45.0	45.0	45.0
117.5°	35.2	35.2	39.1	45.0	50.9	54.8	50.9	45.0	37.2	37.2	37.2
120°	33.3	33.3	35.2	41.1	47.0	48.9	45.0	39.1	31.3	31.3	33.3
122.5°	31.3	31.3	33.3	37.2	41.1	43.1	41.1	33.3	27.4	27.4	29.4
125°	29.4	29.4	29.4	33.3	37.2	39.1	35.2	29.4	23.5	23.5	25.4
127.5°	27.4	27.4	27.4	29.4	33.3	33.3	31.3	25.4	21.5	21.5	23.5
130°	25.4	25.4	25.4	27.4	29.4	29.4	25.4	21.5	19.6	19.6	19.6
132.5°	23.5	23.5	23.5	23.5	25.4	25.4	21.5	17.6	15.7	17.6	17.6
135°	21.5	21.5	21.5	21.5	21.5	21.5	17.6	13.7	13.7	13.7	15.7
137.5°	19.6	19.6	19.6	17.6	17.6	17.6	13.7	11.7	11.7	11.7	13.7
140°	17.6	17.6	17.6	15.7	13.7	13.7	9.8	9.8	9.8	9.8	11.7
142.5°	15.7	15.7	15.7	13.7	11.7	9.8	7.8	7.8	7.8	7.8	9.8
145°	13.7	13.7	11.7	11.7	7.8	5.9	5.9	5.9	5.9	7.8	7.8
147.5°	11.7	11.7	9.8	7.8	5.9	3.9	2.0	3.9	3.9	3.9	5.9
150°	7.8	7.8	7.8	5.9	3.9	2.0	2.0	2.0	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°	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9
2.5°	234.8	232.9	229.0	225.1	221.1	219.2	217.2	215.3	215.3	215.3	215.3
5°	242.7	236.8	229.0	221.1	213.3	207.4	201.6	197.7	195.7	193.7	193.7
7.5°	256.4	248.5	234.8	223.1	211.4	199.6	191.8	185.9	182.0	180.0	180.0
10°	275.9	266.2	248.5	230.9	213.3	199.6	187.9	180.0	174.2	172.2	170.3
12.5°	307.2	295.5	270.1	244.6	223.1	203.5	189.8	178.1	172.2	170.3	170.3
15°	348.3	332.7	299.4	268.1	238.8	213.3	197.7	189.8	185.9	182.0	182.0
17.5°	391.4	373.8	336.6	297.5	262.2	232.9	215.3	207.4	199.6	197.7	197.7
20°	448.2	424.7	377.7	330.7	289.6	260.3	238.8	223.1	215.3	213.3	213.3
22.5°	508.8	479.5	426.6	367.9	322.9	285.7	260.3	240.7	232.9	229.0	229.0
25°	577.3	549.9	481.4	411.0	360.1	315.1	281.8	260.3	250.5	248.5	248.5
27.5°	659.5	626.2	542.1	461.9	395.3	340.5	303.3	277.9	268.1	266.2	266.2
30°	755.4	708.4	608.6	516.6	432.5	364.0	319.0	295.5	283.8	283.8	283.8
32.5°	845.4	796.5	681.0	571.4	465.8	383.6	334.6	311.2	299.4	299.4	299.4
35°	955.0	898.3	759.3	624.3	495.1	401.2	346.4	322.9	313.1	311.2	311.2
37.5°	1076.3	1003.9	837.6	673.2	522.5	412.9	356.2	332.7	322.9	320.9	320.9
40°	1197.7	1113.5	923.7	724.1	542.1	420.8	362.0	340.5	330.7	326.8	326.8
42.5°	1326.8	1231.0	1005.9	771.1	559.7	424.7	364.0	346.4	336.6	330.7	330.7
45°	1465.8	1352.3	1094.0	808.2	571.4	426.6	366.0	348.3	340.5	332.7	332.7
47.5°	1614.5	1481.4	1174.2	843.5	575.4	424.7	366.0	350.3	340.5	332.7	330.7
50°	1749.6	1606.7	1256.4	870.9	575.4	420.8	366.0	352.3	342.5	330.7	330.7
52.5°	1892.4	1730.0	1326.8	888.5	571.4	414.9	364.0	350.3	342.5	328.8	328.8
55°	2033.3	1847.4	1391.4	898.3	561.7	407.1	360.1	350.3	340.5	326.8	324.9
57.5°	2146.8	1955.0	1444.3	898.3	548.0	397.3	354.2	348.3	338.6	324.9	322.9
60°	2238.8	2037.2	1473.6	886.5	530.3	387.5	348.3	344.4	336.6	320.9	319.0
62.5°	2295.6	2086.2	1481.4	865.0	510.8	375.7	342.5	338.6	332.7	319.0	315.1
65°	2305.3	2092.0	1458.0	827.8	485.3	360.1	332.7	332.7	326.8	313.1	311.2
67.5°	2248.6	2035.3	1399.3	776.9	457.9	344.4	320.9	322.9	319.0	307.2	303.3
70°	2127.3	1925.7	1301.4	718.2	426.6	328.8	307.2	309.2	305.3	295.5	293.5
72.5°	1939.4	1745.6	1170.3	647.8	393.4	309.2	293.5	293.5	291.6	281.8	277.9
75°	1706.5	1538.2	1019.6	573.4	360.1	287.7	275.9	275.9	274.0	264.2	260.3
77.5°	1446.2	1299.4	863.0	501.0	324.9	266.2	254.4	256.4	254.4	242.7	242.7
80°	1168.3	1066.6	720.2	430.5	291.6	242.7	232.9	234.8	230.9	219.2	215.3
82.5°	937.4	853.2	583.2	367.9	258.3	221.1	211.4	211.4	205.5	195.7	193.7
85°	716.3	655.6	471.6	309.2	229.0	197.7	189.8	187.9	180.0	170.3	168.3
87.5°	557.7	506.9	377.7	262.2	199.6	176.1	168.3	164.4	156.6	146.8	144.8
90°	420.8	389.4	301.4	219.2	176.1	156.6	148.7	142.9	135.0	125.2	121.3
92.5°	326.8	307.2	244.6	187.9	152.6	138.9	131.1	125.2	115.5	107.6	103.7
95°	252.5	240.7	201.6	160.5	135.0	121.3	115.5	109.6	101.8	92.0	88.1
97.5°	199.6	189.8	164.4	137.0	119.4	109.6	101.8	95.9	86.1	78.3	76.3
100°	156.6	150.7	137.0	117.4	105.7	95.9	90.0	84.2	74.4	66.5	66.5
102.5°	123.3	121.3	113.5	101.8	93.9	86.1	80.2	74.4	66.5	58.7	56.8
105°	99.8	99.8	93.9	88.1	82.2	76.3	72.4	66.5	56.8	50.9	48.9
107.5°	80.2	82.2	80.2	78.3	72.4	68.5	64.6	56.8	48.9	43.1	43.1
110°	66.5	66.5	68.5	66.5	64.6	60.7	56.8	50.9	43.1	39.1	39.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.8	56.8	58.7	58.7	56.8	54.8	50.9	45.0	37.2	33.3	33.3
115°	47.0	47.0	50.9	50.9	50.9	48.9	45.0	39.1	33.3	29.4	31.3
117.5°	39.1	41.1	43.1	45.0	45.0	43.1	39.1	33.3	27.4	27.4	27.4
120°	35.2	35.2	37.2	39.1	39.1	39.1	35.2	29.4	25.4	23.5	23.5
122.5°	31.3	31.3	33.3	35.2	35.2	33.3	31.3	25.4	21.5	21.5	21.5
125°	27.4	27.4	29.4	31.3	31.3	29.4	25.4	21.5	19.6	19.6	19.6
127.5°	23.5	25.4	25.4	27.4	27.4	25.4	23.5	19.6	15.7	17.6	17.6
130°	21.5	21.5	23.5	23.5	23.5	21.5	19.6	15.7	15.7	15.7	15.7
132.5°	19.6	19.6	19.6	19.6	19.6	19.6	15.7	13.7	13.7	13.7	13.7
135°	15.7	17.6	17.6	17.6	17.6	15.7	13.7	11.7	11.7	11.7	13.7
137.5°	13.7	13.7	15.7	13.7	13.7	13.7	9.8	9.8	9.8	11.7	11.7
140°	11.7	11.7	11.7	11.7	11.7	9.8	7.8	7.8	9.8	9.8	9.8
142.5°	9.8	9.8	9.8	9.8	7.8	7.8	5.9	5.9	7.8	7.8	9.8
145°	7.8	7.8	7.8	7.8	5.9	5.9	3.9	5.9	5.9	7.8	7.8
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	2.0	2.0	2.0	3.9	3.9	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)