

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: P695576

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5178 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G3

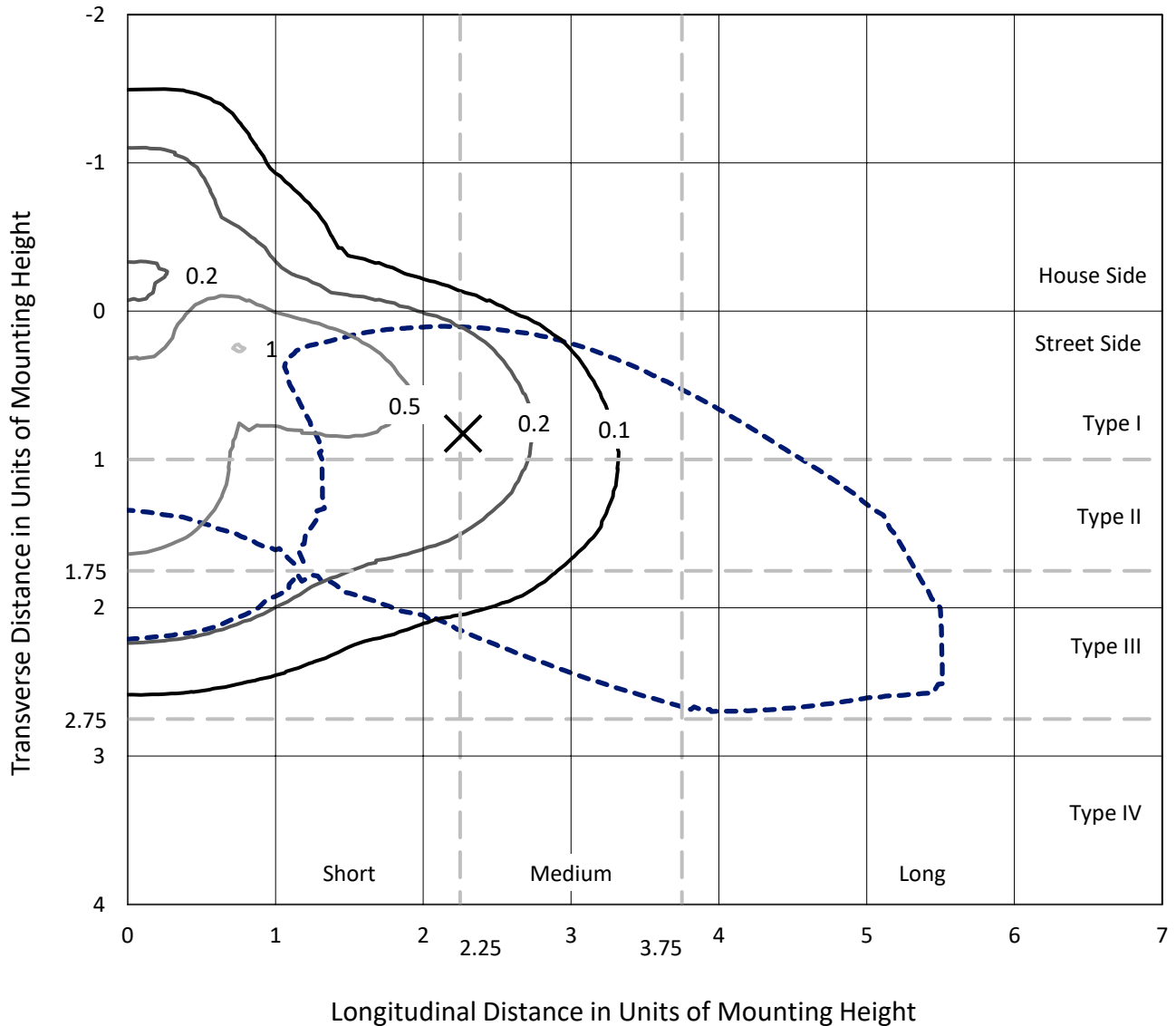
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

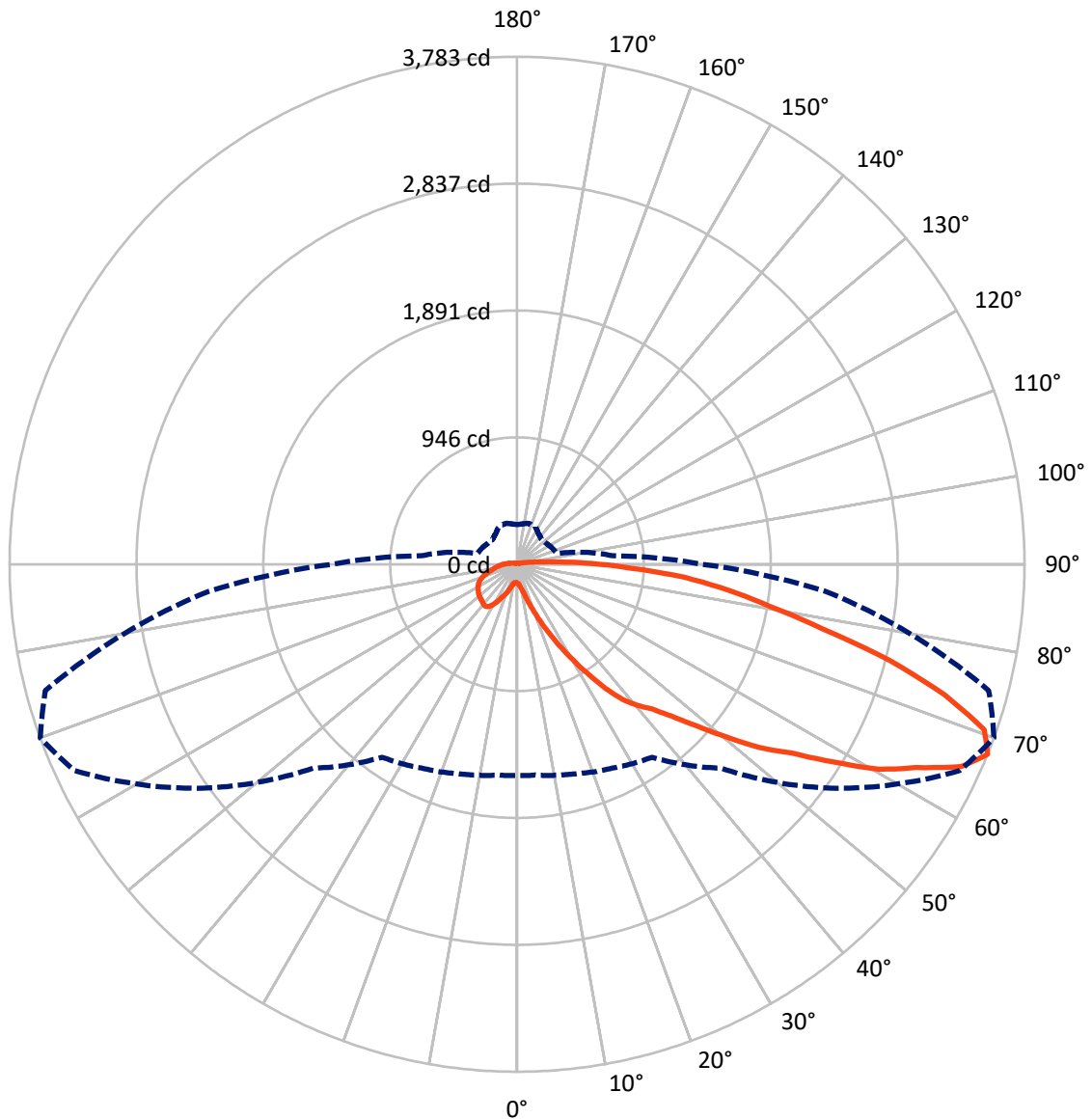
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - 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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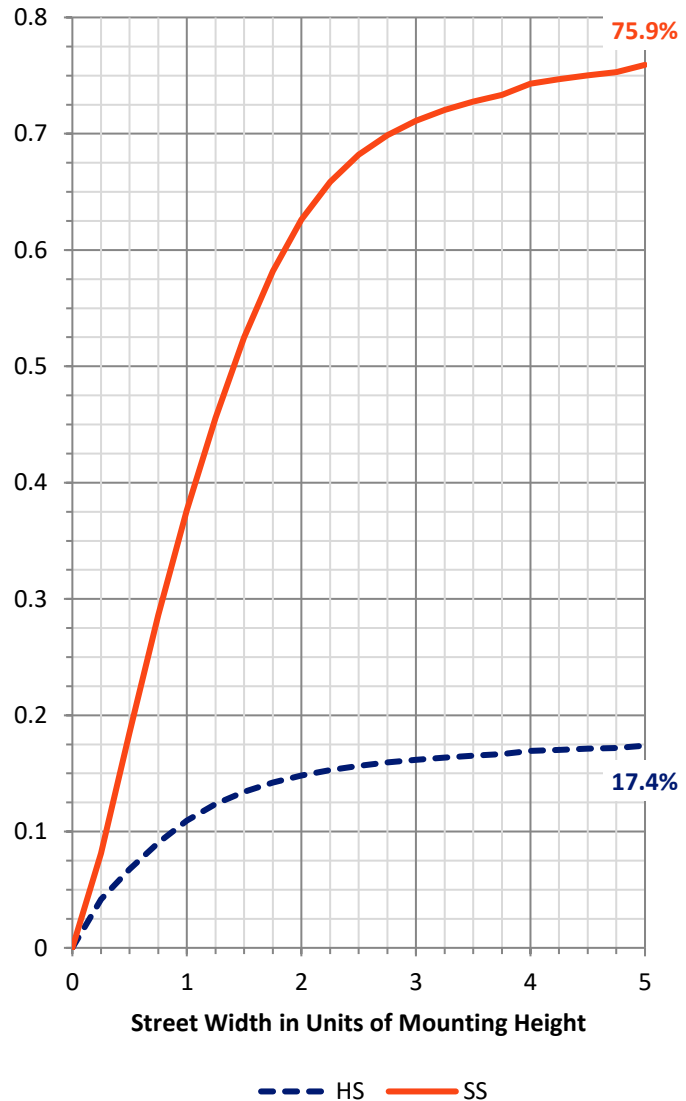
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	945.8	84.5	1030.4
	% Fixture	18.3	1.6	19.9
<b>Street Side</b>	Lumens	4039.8	107.9	4147.7
	% Fixture	78.0	2.1	80.1
<b>Total</b>	Lumens	4985.6	192.4	5178.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.4	0.3
10°-20°	63.1	1.2
20°-30°	186.7	3.6
30°-40°	408.2	7.9
40°-50°	642.4	12.4
50°-60°	993.4	19.2
60°-70°	1327.7	25.6
70°-80°	939.5	18.1
80°-90°	410.3	7.9
90°-100°	115.5	2.2
100°-110°	37.0	0.7
110°-120°	18.0	0.3
120°-130°	11.1	0.2
130°-140°	7.2	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4985.6	96.3
0°-180°	5178.0	100.0

**Coefficient of Utilization**

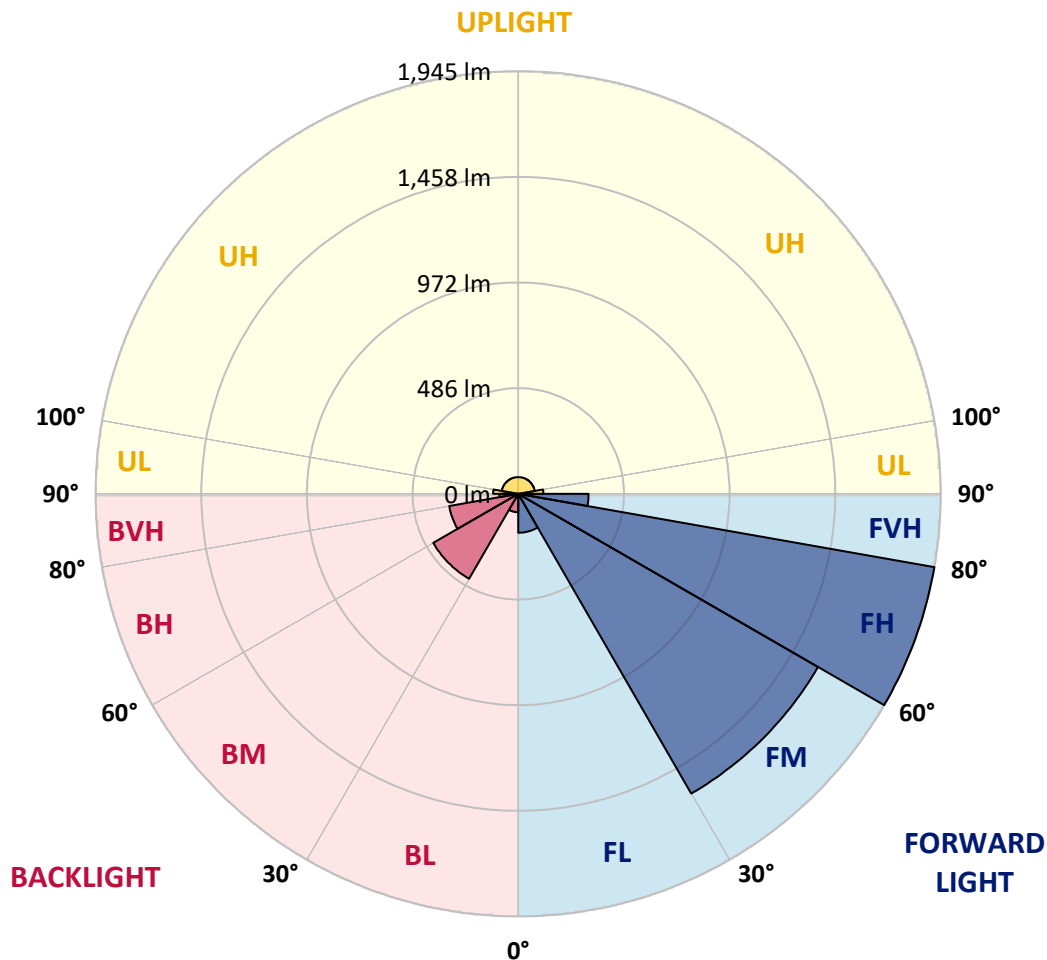


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.2	3.5			
FM (30°-60°)	1592.4	30.8			
FH (60°-80°)	1944.6	37.6			G2/5000
FVH (80°-90°)	323.6	6.2			G3/500
BL (0°-30°)	85.0	1.6	B0/110		
BM (30°-60°)	451.6	8.7	B1/1000		
BH (60°-80°)	322.6	6.2	B1/500		G1/500
BVH (80°-90°)	86.7	1.7			G1/100
UL (90°-100°)	115.5	2.2		U3/500	
UH (100°-180°)	77.0	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	148.7	148.7	150.7	148.7	148.7	148.7	146.8	144.8	142.9	142.9	140.9
5°	164.4	164.4	164.4	164.4	162.4	160.5	158.5	154.6	152.6	150.7	146.8
7.5°	184.0	184.0	184.0	184.0	182.0	180.0	174.2	168.3	166.3	164.4	156.6
10°	213.3	213.3	213.3	209.4	207.4	203.5	197.7	191.8	187.9	184.0	172.2
12.5°	252.4	250.5	250.5	246.6	238.7	230.9	229.0	223.1	219.2	215.3	201.6
15°	301.4	301.4	301.4	291.6	283.8	275.9	274.0	268.1	268.1	262.2	244.6
17.5°	356.2	356.2	348.3	338.6	332.7	328.8	330.7	328.8	326.8	319.0	295.5
20°	416.8	414.9	405.1	391.4	383.6	387.5	393.3	399.2	397.3	387.5	354.2
22.5°	495.1	491.2	473.6	454.0	436.4	442.3	461.8	481.4	487.3	471.6	430.5
25°	579.3	579.3	553.8	524.5	502.9	501.0	528.4	583.2	587.1	585.1	526.4
27.5°	690.8	684.9	649.7	606.7	565.6	567.5	610.6	683.0	706.5	704.5	626.2
30°	812.1	810.2	769.1	706.5	636.0	626.2	696.7	806.3	835.6	847.4	741.7
32.5°	906.1	915.9	865.0	804.3	712.3	686.9	775.0	921.7	980.4	984.4	849.3
35°	1011.7	1011.7	962.8	886.5	778.9	745.6	855.2	1047.0	1137.0	1144.8	958.9
37.5°	1054.8	1068.5	1031.3	958.9	841.5	796.5	937.4	1187.9	1279.9	1307.2	1039.1
40°	1111.6	1123.3	1082.2	1003.9	892.4	849.3	1007.8	1293.6	1383.6	1397.3	1064.6
42.5°	1221.1	1230.9	1170.3	1060.7	935.4	894.3	1058.7	1364.0	1473.6	1495.1	1107.6
45°	1332.7	1342.5	1287.7	1158.5	990.2	937.4	1107.6	1479.5	1612.5	1632.1	1172.2
47.5°	1483.4	1487.3	1414.9	1268.1	1072.4	988.3	1182.0	1634.1	1800.4	1823.9	1260.3
50°	1647.8	1653.6	1559.7	1395.3	1166.3	1074.4	1287.7	1810.2	2023.5	2060.7	1387.5
52.5°	1812.1	1794.5	1710.4	1540.1	1291.6	1178.1	1411.0	2035.2	2272.0	2293.6	1504.9
55°	1998.1	1970.7	1865.0	1669.3	1430.5	1311.2	1602.8	2252.5	2483.4	2499.0	1634.1
57.5°	2191.8	2166.4	2031.3	1812.1	1571.4	1501.0	1814.1	2491.2	2778.9	2820.0	1831.7
60°	2225.1	2211.4	2113.5	1945.2	1728.0	1706.5	2072.4	2806.3	3103.7	3105.7	1998.1
62.5°	2184.0	2178.1	2088.1	1972.6	1847.4	1919.8	2416.8	3105.7	3338.6	3317.0	2146.8
65°	1986.3	1964.8	1964.8	1908.0	1878.7	2113.5	2720.2	3389.5	3638.0	3571.5	2287.7
67.5°	1575.4	1577.3	1618.4	1677.1	1755.4	2148.7	2912.0	3639.9	3782.8	3639.9	2303.3
70°	1109.6	1139.0	1227.0	1358.1	1512.7	1990.2	2921.7	3610.6	3694.7	3553.8	2201.6
72.5°	812.1	788.7	857.1	976.5	1209.4	1712.3	2671.3	3330.7	3334.7	3127.2	1906.1
75°	549.9	551.9	600.8	704.5	878.7	1393.4	2321.0	2884.6	2872.8	2634.1	1589.1
77.5°	366.0	369.9	414.9	497.1	661.5	1117.4	1941.3	2385.5	2332.7	2170.3	1274.0
80°	250.5	260.3	285.7	344.4	481.4	884.5	1593.0	1957.0	1913.9	1757.3	1027.4
82.5°	180.0	182.0	207.4	252.4	344.4	677.1	1297.5	1641.9	1583.2	1414.9	820.0
85°	137.0	137.0	154.6	185.9	248.5	516.6	1035.2	1307.2	1254.4	1093.9	612.5
87.5°	99.8	101.8	113.5	140.9	184.0	391.4	794.5	939.3	855.2	755.4	420.7
90°	64.6	68.5	76.3	101.8	137.0	277.9	553.8	614.5	557.7	467.7	272.0
92.5°	41.1	41.1	48.9	68.5	99.8	189.8	348.3	364.0	315.1	285.7	166.3
95°	27.4	29.4	35.2	47.0	70.5	129.2	209.4	211.4	185.9	156.6	105.7
97.5°	23.5	23.5	27.4	35.2	52.8	88.1	123.3	119.4	107.6	95.9	74.4
100°	19.6	19.6	23.5	29.4	43.1	64.6	78.3	76.3	70.5	68.5	58.7
102.5°	17.6	17.6	19.6	25.4	35.2	50.9	56.8	52.8	50.9	50.9	45.0
105°	15.7	15.7	17.6	21.5	29.4	41.1	43.1	39.1	39.1	37.2	35.2
107.5°	13.7	13.7	15.7	17.6	25.4	33.3	33.3	29.4	29.4	29.4	29.4
110°	13.7	13.7	13.7	15.7	21.5	27.4	27.4	23.5	23.5	21.5	23.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	11.7	15.7	19.6	23.5	21.5	19.6	17.6	17.6	19.6
115°	11.7	9.8	11.7	13.7	17.6	19.6	19.6	15.7	15.7	15.7	17.6
117.5°	9.8	9.8	9.8	11.7	15.7	17.6	15.7	13.7	13.7	13.7	15.7
120°	9.8	9.8	9.8	11.7	15.7	15.7	13.7	11.7	11.7	11.7	13.7
122.5°	9.8	9.8	9.8	11.7	13.7	13.7	13.7	11.7	11.7	11.7	13.7
125°	9.8	9.8	9.8	11.7	13.7	13.7	11.7	9.8	9.8	9.8	13.7
127.5°	9.8	9.8	9.8	11.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7
130°	9.8	9.8	9.8	11.7	11.7	9.8	9.8	9.8	9.8	9.8	11.7
132.5°	9.8	9.8	9.8	11.7	11.7	9.8	9.8	7.8	9.8	9.8	11.7
135°	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8
137.5°	9.8	9.8	9.8	9.8	9.8	7.8	5.9	7.8	7.8	7.8	9.8
140°	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	5.9	5.9	3.9	5.9	5.9	5.9	7.8
145°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	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°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	140.9	138.9	138.9	137.0	135.0	135.0	135.0	135.0	133.1	133.1	133.1
5°	144.8	142.9	138.9	135.0	131.1	127.2	127.2	125.2	125.2	123.3	121.3
7.5°	152.6	148.7	140.9	135.0	129.2	123.3	121.3	119.4	117.4	115.5	115.5
10°	168.3	160.5	148.7	137.0	127.2	119.4	115.5	113.5	111.5	109.6	109.6
12.5°	191.8	184.0	164.4	144.8	129.2	119.4	113.5	111.5	109.6	109.6	109.6
15°	230.9	217.2	187.9	160.5	135.0	121.3	115.5	117.4	121.3	121.3	121.3
17.5°	275.9	258.3	215.3	178.1	146.8	131.1	127.2	131.1	135.0	137.0	137.0
20°	328.8	301.4	244.6	195.7	160.5	148.7	144.8	148.7	154.6	158.5	158.5
22.5°	395.3	352.3	275.9	213.3	178.1	166.3	164.4	168.3	176.1	184.0	182.0
25°	471.6	414.9	311.2	232.9	201.6	185.9	187.9	195.7	209.4	217.2	221.1
27.5°	555.8	479.5	346.4	260.3	223.1	207.4	211.4	225.1	246.6	260.3	260.3
30°	645.8	542.1	381.6	287.7	246.6	229.0	236.8	262.2	285.7	303.3	303.3
32.5°	733.9	602.7	409.0	319.0	272.0	250.5	262.2	295.5	326.8	346.4	348.3
35°	802.4	639.9	422.7	342.5	293.5	268.1	283.8	330.7	371.8	393.3	395.3
37.5°	841.5	651.7	424.7	360.1	311.2	283.8	305.3	360.1	405.1	426.6	426.6
40°	835.6	628.2	411.0	369.9	322.9	297.5	324.9	387.5	432.5	448.1	444.2
42.5°	847.4	618.4	401.2	366.0	326.8	305.3	336.6	401.2	438.4	444.2	440.3
45°	861.1	604.7	391.4	362.0	324.9	309.2	342.5	401.2	432.5	430.5	426.6
47.5°	898.2	602.7	385.5	360.1	322.9	307.2	342.5	399.2	422.7	412.9	409.0
50°	949.1	610.6	381.6	356.2	320.9	303.3	338.6	395.3	416.8	407.0	403.1
52.5°	996.1	614.5	373.8	352.3	319.0	301.4	336.6	395.3	412.9	393.3	387.5
55°	1056.8	634.1	364.0	344.4	315.1	297.5	334.6	391.4	395.3	371.8	367.9
57.5°	1168.3	671.2	356.2	334.6	309.2	295.5	330.7	377.7	383.6	362.0	356.2
60°	1250.5	698.6	348.3	326.8	299.4	289.6	320.9	369.9	371.8	342.5	336.6
62.5°	1322.9	718.2	334.6	317.0	293.5	283.8	311.2	352.3	346.4	320.9	319.0
65°	1393.4	733.9	324.9	303.3	281.8	272.0	299.4	328.8	330.7	309.2	305.3
67.5°	1379.7	718.2	305.3	287.7	268.1	258.3	277.9	313.1	315.1	299.4	295.5
70°	1297.5	665.4	281.8	270.1	248.5	238.7	256.4	291.6	297.5	285.7	283.8
72.5°	1123.3	575.3	250.5	244.6	227.0	217.2	234.8	264.2	274.0	264.2	260.3
75°	945.2	485.3	223.1	217.2	205.5	195.7	209.4	236.8	248.5	246.6	246.6
77.5°	757.3	389.4	197.7	193.7	184.0	176.1	187.9	211.4	227.0	229.0	225.1
80°	608.6	317.0	174.2	172.2	166.3	160.5	166.3	185.9	203.5	207.4	205.5
82.5°	489.2	264.2	154.6	154.6	148.7	144.8	148.7	166.3	187.9	195.7	193.7
85°	375.7	217.2	138.9	137.0	133.1	131.1	135.0	146.8	170.3	180.0	180.0
87.5°	274.0	172.2	123.3	119.4	117.4	117.4	119.4	131.1	152.6	160.5	158.5
90°	189.8	133.1	105.7	101.8	99.8	101.8	105.7	115.5	131.1	133.1	133.1
92.5°	129.2	101.8	88.1	84.1	84.1	88.1	92.0	99.8	109.6	107.6	105.7
95°	90.0	76.3	70.5	68.5	68.5	72.4	76.3	84.1	90.0	86.1	84.1
97.5°	66.5	60.7	58.7	56.8	54.8	60.7	62.6	66.5	72.4	70.5	68.5
100°	52.8	50.9	48.9	47.0	45.0	48.9	50.9	54.8	58.7	54.8	54.8
102.5°	43.1	43.1	41.1	39.1	39.1	41.1	43.1	45.0	47.0	45.0	43.1
105°	35.2	35.2	35.2	33.3	33.3	35.2	37.2	37.2	39.1	35.2	35.2
107.5°	29.4	29.4	31.3	29.4	29.4	31.3	31.3	31.3	31.3	29.4	29.4
110°	25.4	25.4	25.4	25.4	25.4	27.4	27.4	27.4	27.4	25.4	23.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.5	21.5	21.5	21.5	21.5	23.5	23.5	23.5	23.5	21.5	21.5
115°	17.6	19.6	19.6	19.6	19.6	19.6	21.5	19.6	19.6	19.6	19.6
117.5°	15.7	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
120°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	17.6	17.6
122.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	15.7	15.7	15.7
125°	13.7	13.7	13.7	13.7	11.7	11.7	13.7	13.7	13.7	13.7	13.7
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.7
130°	11.7	11.7	11.7	11.7	9.8	9.8	9.8	11.7	11.7	11.7	11.7
132.5°	11.7	11.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.7	11.7
135°	9.8	9.8	9.8	9.8	7.8	7.8	9.8	9.8	9.8	9.8	9.8
137.5°	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
140°	7.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	5.9	5.9	5.9	3.9	3.9	5.9	7.8	7.8	7.8	7.8
145°	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	2.0	2.0	2.0	3.9	5.9	5.9	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

(END OF REPORT)