

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: P695496

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-827-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4411.1 lumens  
Efficiency: N/A  
Efficacy: 83.1 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 - G2

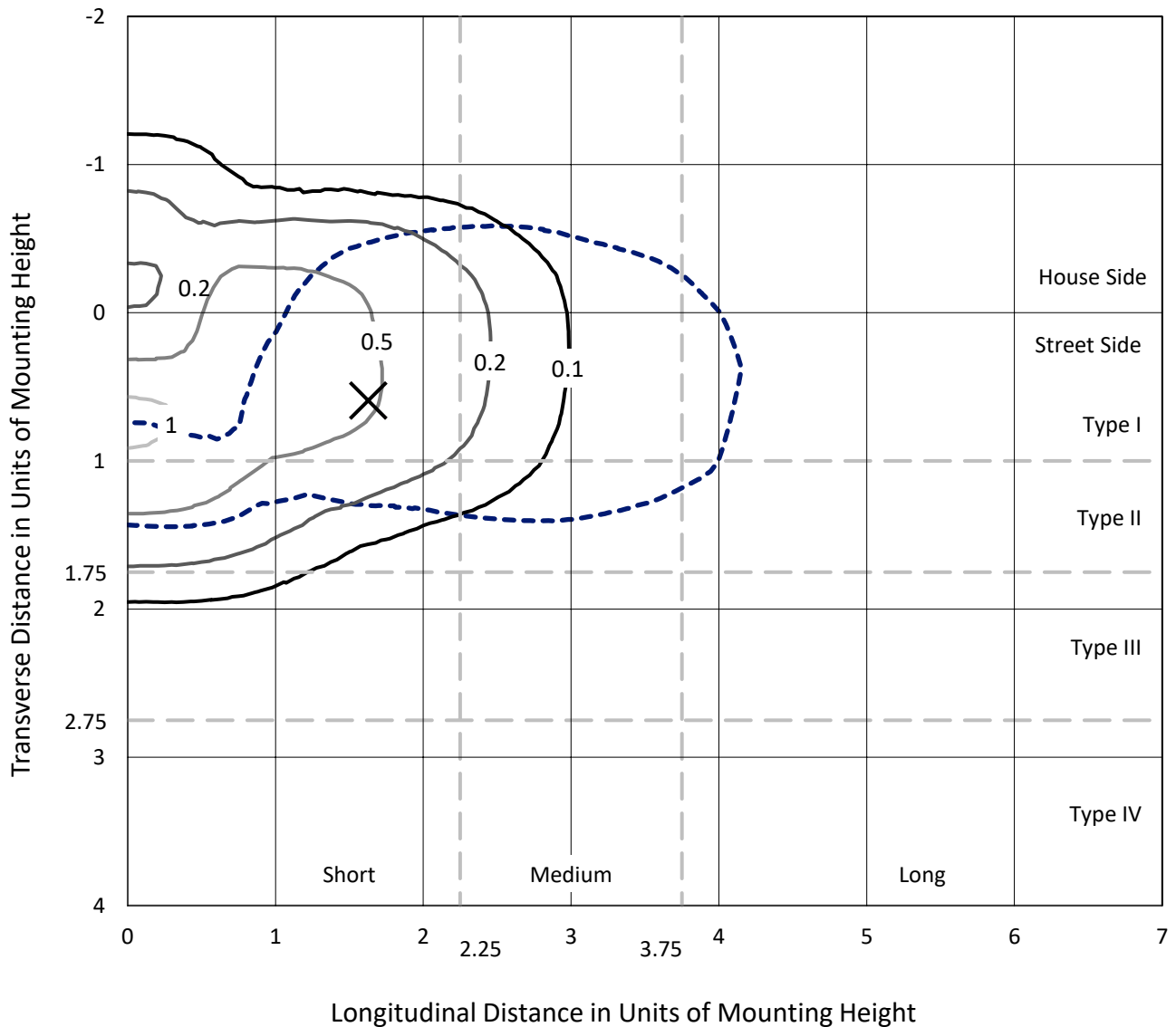
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

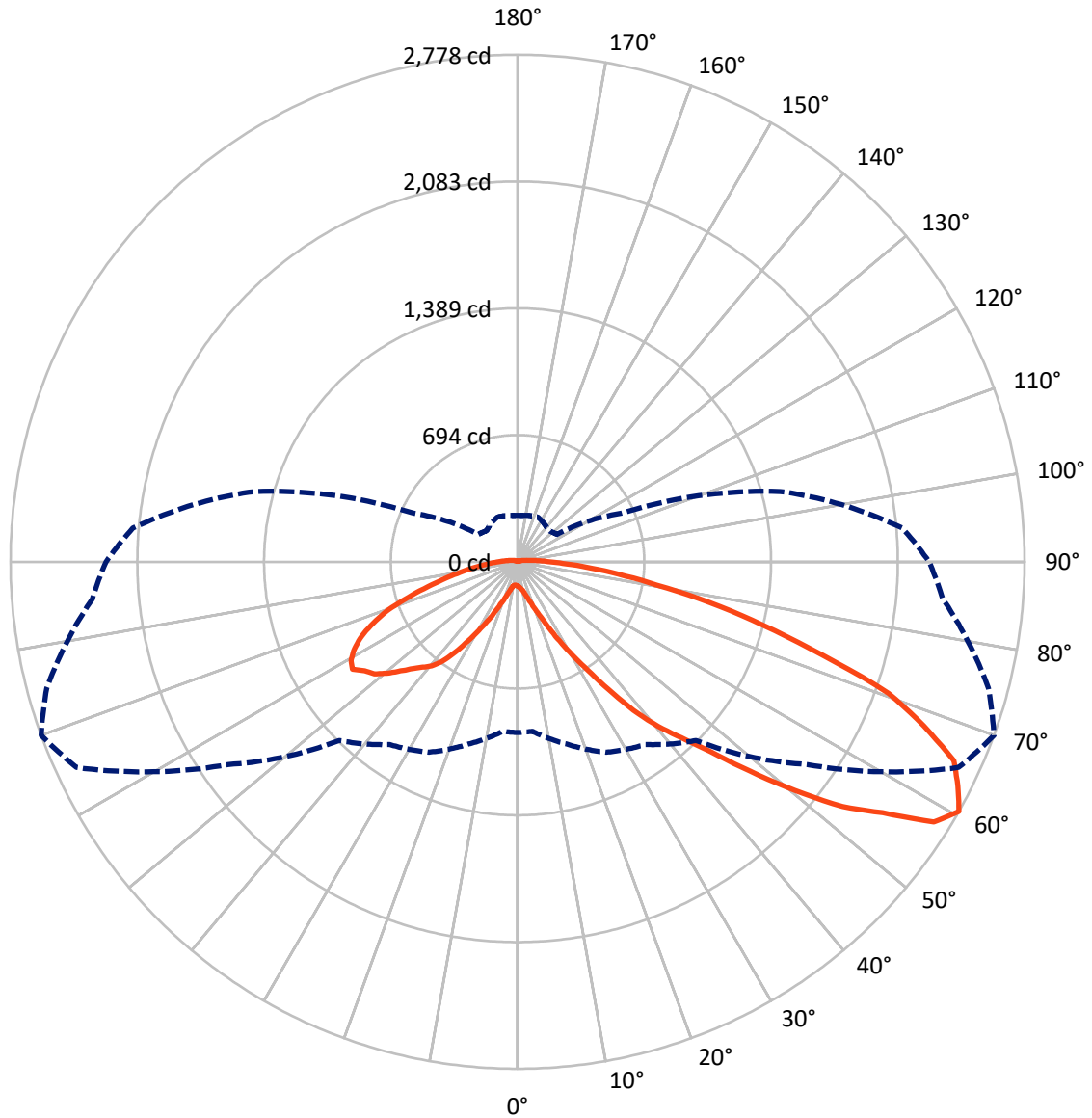
✕ Max cd  
 - - - 1/2 Max cd



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 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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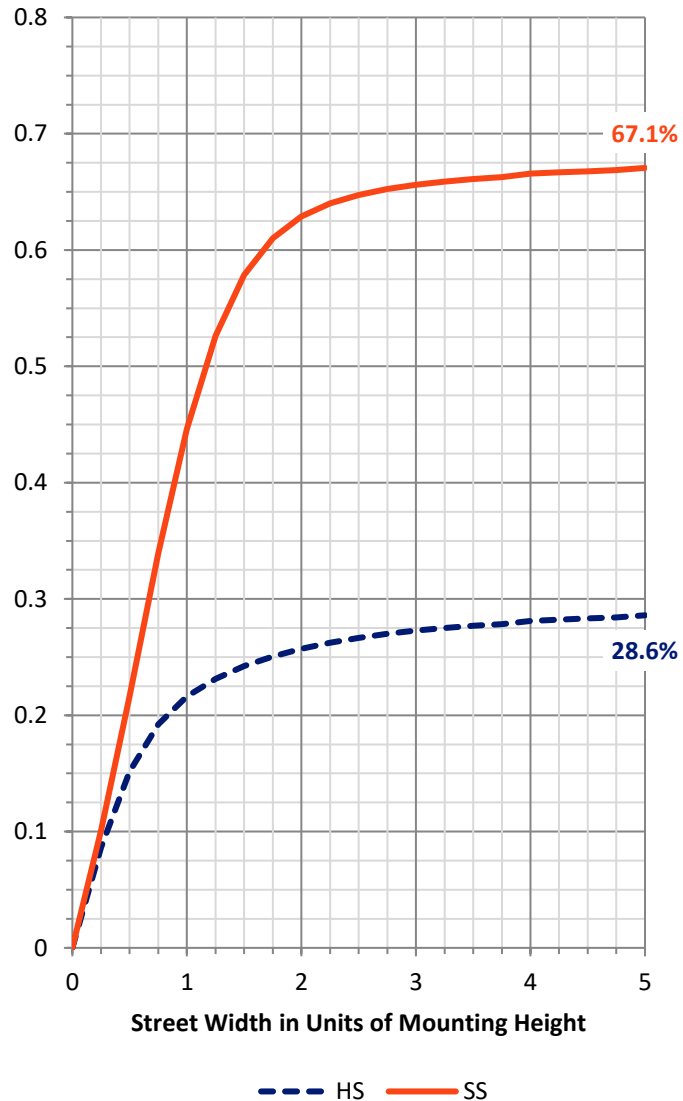
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1298.6	65.6	1364.2
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	2990.9	55.9	3046.9
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	4289.6	121.5	4411.1
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	0.3
10°-20°	56.2	1.3
20°-30°	178.3	4.0
30°-40°	438.7	9.9
40°-50°	759.1	17.2
50°-60°	1068.4	24.2
60°-70°	993.5	22.5
70°-80°	566.6	12.8
80°-90°	215.5	4.9
90°-100°	64.3	1.5
100°-110°	26.1	0.6
110°-120°	14.0	0.3
120°-130°	8.8	0.2
130°-140°	5.7	0.1
140°-150°	2.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4289.6	97.2
0°-180°	4411.1	100.0

**Coefficient of Utilization**

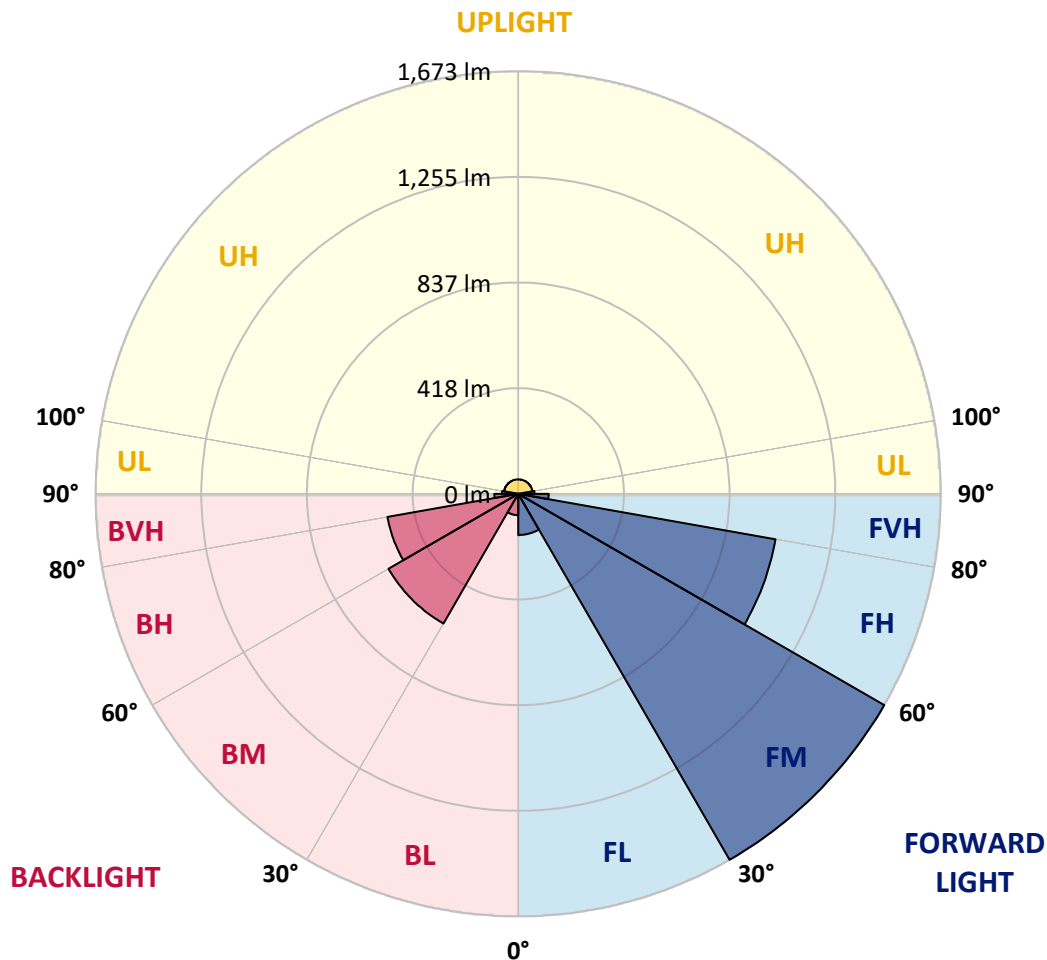


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.2	3.7			
FM (30°-60°)	1673.1	37.9			
FH (60°-80°)	1034.2	23.4			G1/1800
FVH (80°-90°)	120.4	2.7			G2/225
BL (0°-30°)	84.6	1.9	B0/110		
BM (30°-60°)	593.1	13.4	B1/1000		
BH (60°-80°)	525.8	11.9	B2/1000		G2/1000
BVH (80°-90°)	95.1	2.2			G1/100
UL (90°-100°)	64.3	1.5		U3/500	
UH (100°-180°)	57.2	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	142.7	141.1	141.1	141.1	141.1	139.6	138.0	136.5	136.5	134.9	133.4
5°	155.1	155.1	155.1	153.5	152.0	150.4	147.3	144.2	142.7	139.6	136.5
7.5°	175.3	172.1	172.1	170.6	165.9	162.8	158.2	152.0	150.4	147.3	142.7
10°	200.1	198.5	197.0	192.3	184.6	178.4	173.7	165.9	161.3	158.2	152.0
12.5°	238.8	238.8	234.2	224.9	214.0	203.2	193.9	184.6	179.9	175.3	169.0
15°	286.9	285.4	283.8	268.3	251.2	235.7	220.2	209.4	204.7	201.6	190.8
17.5°	350.5	352.1	342.7	317.9	293.1	276.1	257.4	243.5	237.3	232.6	223.3
20°	432.7	431.2	417.2	381.5	353.6	325.7	305.5	283.8	279.2	274.5	263.7
22.5°	539.7	536.6	508.7	465.3	423.4	384.6	358.3	342.7	333.4	327.2	317.9
25°	649.8	662.2	623.5	570.7	510.2	451.3	423.4	414.1	404.8	400.1	387.7
27.5°	823.5	825.1	769.2	683.9	603.3	542.8	507.1	491.6	491.6	485.4	469.9
30°	1008.1	1006.5	938.3	829.7	719.6	635.9	598.6	589.3	592.4	584.7	563.0
32.5°	1170.9	1167.8	1091.8	984.8	839.0	736.7	701.0	704.1	707.2	713.4	696.4
35°	1347.7	1346.2	1256.2	1124.4	966.2	851.4	826.6	856.1	857.6	867.0	828.2
37.5°	1411.3	1420.6	1364.8	1246.9	1079.4	969.3	970.9	1003.4	1031.3	1034.4	980.2
40°	1459.4	1464.0	1412.9	1318.3	1181.8	1091.8	1130.6	1183.3	1184.9	1158.5	1070.1
42.5°	1569.5	1574.2	1502.8	1383.4	1256.2	1215.9	1271.7	1327.6	1316.7	1293.5	1183.3
45°	1640.9	1647.1	1600.5	1485.8	1330.7	1307.4	1409.8	1484.2	1482.7	1467.2	1315.2
47.5°	1713.7	1723.0	1675.0	1566.4	1416.0	1392.7	1561.8	1715.3	1713.7	1670.3	1490.4
50°	1692.0	1699.8	1702.9	1631.5	1476.5	1481.1	1721.5	1957.2	1969.6	1913.8	1704.4
52.5°	1560.2	1572.6	1617.6	1626.9	1519.9	1541.6	1876.6	2213.1	2228.6	2135.6	1870.4
55°	1389.6	1405.1	1464.0	1529.2	1493.5	1557.1	2005.3	2416.3	2425.6	2349.6	2082.9
57.5°	1161.6	1194.2	1270.2	1363.2	1385.0	1519.9	2006.9	2583.8	2689.3	2630.3	2313.9
60°	935.2	932.1	1032.9	1150.8	1222.1	1383.4	1935.5	2666.0	2777.7	2670.6	2338.8
62.5°	671.5	682.4	791.0	927.4	1015.8	1170.9	1769.6	2504.7	2707.9	2704.8	2469.0
65°	479.2	490.1	569.2	699.5	801.8	970.9	1501.3	2346.5	2625.7	2650.5	2456.6
67.5°	341.2	345.9	406.3	508.7	598.6	741.3	1229.9	2121.6	2400.8	2475.2	2385.3
70°	255.9	260.6	297.8	373.8	437.4	541.3	981.7	1799.0	2155.8	2264.3	2202.3
72.5°	197.0	203.2	228.0	285.4	322.6	386.2	733.6	1467.2	1743.2	1850.2	1823.9
75°	155.1	158.2	176.8	215.6	238.8	271.4	519.6	1129.1	1388.1	1541.6	1541.6
77.5°	124.1	128.7	141.1	169.0	189.2	201.6	356.7	811.1	1076.3	1231.4	1267.1
80°	99.3	102.4	113.2	133.4	147.3	155.1	240.4	563.0	772.3	956.9	1060.8
82.5°	79.1	79.1	90.0	105.5	119.4	128.7	176.8	398.6	552.1	691.7	806.5
85°	63.6	65.1	71.3	82.2	96.2	108.6	136.5	273.0	376.9	463.7	558.3
87.5°	49.6	49.6	55.8	63.6	77.5	91.5	111.7	184.6	248.1	319.5	375.3
90°	35.7	37.2	40.3	46.5	60.5	74.4	88.4	128.7	164.4	200.1	237.3
92.5°	26.4	26.4	27.9	32.6	43.4	58.9	71.3	93.1	113.2	130.3	147.3
95°	20.2	20.2	21.7	23.3	31.0	45.0	54.3	68.2	79.1	91.5	99.3
97.5°	17.1	17.1	17.1	18.6	24.8	34.1	41.9	51.2	58.9	66.7	74.4
100°	15.5	15.5	15.5	15.5	20.2	29.5	32.6	40.3	45.0	51.2	55.8
102.5°	14.0	14.0	14.0	14.0	18.6	24.8	27.9	31.0	35.7	38.8	43.4
105°	12.4	12.4	12.4	12.4	15.5	20.2	23.3	26.4	27.9	29.5	32.6
107.5°	10.9	10.9	10.9	10.9	14.0	18.6	20.2	20.2	21.7	23.3	26.4
110°	9.3	9.3	9.3	10.9	12.4	15.5	17.1	17.1	17.1	18.6	21.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.3	9.3	9.3	9.3	10.9	14.0	14.0	14.0	15.5	15.5	18.6
115°	7.8	7.8	7.8	9.3	10.9	12.4	12.4	12.4	12.4	14.0	15.5
117.5°	7.8	7.8	7.8	7.8	10.9	12.4	12.4	10.9	10.9	12.4	14.0
120°	7.8	7.8	7.8	7.8	9.3	10.9	10.9	10.9	10.9	10.9	12.4
122.5°	7.8	7.8	7.8	7.8	9.3	9.3	9.3	9.3	9.3	9.3	10.9
125°	7.8	7.8	7.8	7.8	9.3	9.3	9.3	7.8	7.8	9.3	10.9
127.5°	9.3	9.3	7.8	7.8	7.8	9.3	7.8	7.8	7.8	7.8	9.3
130°	9.3	9.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.3
132.5°	9.3	9.3	7.8	7.8	7.8	7.8	7.8	6.2	6.2	7.8	9.3
135°	7.8	9.3	7.8	7.8	7.8	6.2	6.2	6.2	6.2	6.2	7.8
137.5°	7.8	7.8	7.8	6.2	6.2	6.2	4.7	4.7	4.7	6.2	6.2
140°	7.8	7.8	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	6.2
142.5°	6.2	6.2	6.2	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7
145°	6.2	6.2	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	4.7	4.7	4.7	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6
150°	4.7	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	133.4	131.8	130.3	130.3	128.7	127.2	125.6	125.6	125.6	125.6	125.6
5°	134.9	133.4	130.3	127.2	124.1	121.0	119.4	116.3	116.3	116.3	114.8
7.5°	139.6	136.5	131.8	125.6	121.0	116.3	111.7	110.1	108.6	107.0	107.0
10°	147.3	144.2	136.5	128.7	121.0	114.8	108.6	103.9	100.8	100.8	100.8
12.5°	162.8	158.2	147.3	134.9	124.1	114.8	107.0	102.4	100.8	100.8	102.4
15°	187.7	181.5	165.9	150.4	133.4	119.4	113.2	113.2	114.8	116.3	116.3
17.5°	217.1	209.4	192.3	170.6	150.4	136.5	130.3	131.8	134.9	136.5	136.5
20°	259.0	245.0	228.0	198.5	172.1	159.7	152.0	150.4	158.2	161.3	161.3
22.5°	307.1	299.3	271.4	234.2	203.2	184.6	173.7	170.6	178.4	181.5	181.5
25°	378.4	362.9	330.3	280.7	240.4	209.4	193.9	190.8	201.6	207.8	207.8
27.5°	460.6	437.4	397.0	333.4	277.6	232.6	212.5	212.5	223.3	232.6	234.2
30°	545.9	519.6	471.5	392.4	314.8	251.2	226.4	228.0	238.8	252.8	249.7
32.5°	670.0	632.8	561.4	459.1	349.0	266.8	234.2	240.4	257.4	276.1	273.0
35°	791.0	752.2	666.9	533.5	378.4	274.5	238.8	252.8	271.4	285.4	285.4
37.5°	919.7	871.6	763.0	598.6	409.4	279.2	241.9	255.9	274.5	283.8	283.8
40°	1005.0	956.9	832.8	645.2	421.8	277.6	240.4	254.3	266.8	269.9	266.8
42.5°	1112.0	1040.7	887.1	666.9	415.6	269.9	235.7	246.6	251.2	249.7	249.7
45°	1239.2	1160.1	964.7	674.6	397.0	257.4	229.5	237.3	243.5	245.0	245.0
47.5°	1409.8	1318.3	1065.5	687.0	373.8	245.0	226.4	238.8	245.0	240.4	240.4
50°	1606.7	1499.7	1181.8	697.9	350.5	235.7	228.0	243.5	245.0	240.4	238.8
52.5°	1763.4	1647.1	1282.6	710.3	327.2	231.1	234.2	249.7	248.1	240.4	238.8
55°	1971.2	1851.8	1372.5	682.4	305.5	232.6	240.4	255.9	251.2	238.8	238.8
57.5°	2216.2	2072.0	1492.0	666.9	280.7	237.3	248.1	262.1	254.3	243.5	241.9
60°	2255.0	2115.4	1488.9	628.1	262.1	240.4	254.3	268.3	262.1	254.3	254.3
62.5°	2386.8	2236.4	1464.0	559.9	248.1	240.4	259.0	276.1	277.6	273.0	271.4
65°	2369.8	2205.4	1400.5	491.6	235.7	237.3	262.1	285.4	286.9	288.5	288.5
67.5°	2307.7	2135.6	1290.3	431.2	221.8	232.6	262.1	283.8	291.6	297.8	297.8
70°	2118.5	1961.9	1150.8	370.7	207.8	220.2	249.7	274.5	282.3	290.0	291.6
72.5°	1772.7	1626.9	944.5	314.8	189.2	201.6	228.0	251.2	260.6	266.8	265.2
75°	1478.0	1360.1	767.7	249.7	169.0	178.4	200.1	220.2	226.4	231.1	231.1
77.5°	1220.6	1115.1	604.9	204.7	147.3	155.1	172.1	187.7	193.9	195.4	192.3
80°	1018.9	894.9	474.6	165.9	125.6	130.3	147.3	159.7	165.9	162.8	164.4
82.5°	787.9	685.5	359.8	139.6	110.1	111.7	124.1	134.9	139.6	136.5	134.9
85°	535.1	465.3	259.0	121.0	96.2	94.6	102.4	111.7	114.8	113.2	111.7
87.5°	353.6	307.1	187.7	103.9	83.7	82.2	86.9	94.6	97.7	96.2	93.1
90°	223.3	203.2	134.9	88.4	72.9	69.8	72.9	77.5	82.2	80.6	79.1
92.5°	142.7	128.7	99.3	72.9	62.0	58.9	58.9	62.0	65.1	62.0	58.9
95°	96.2	93.1	76.0	58.9	51.2	48.1	46.5	46.5	49.6	46.5	45.0
97.5°	74.4	71.3	62.0	46.5	40.3	38.8	37.2	37.2	40.3	37.2	35.7
100°	57.4	57.4	49.6	38.8	31.0	31.0	31.0	32.6	34.1	32.6	32.6
102.5°	45.0	45.0	41.9	32.6	26.4	26.4	26.4	27.9	31.0	29.5	29.5
105°	34.1	35.7	34.1	26.4	23.3	23.3	23.3	24.8	26.4	26.4	26.4
107.5°	27.9	29.5	27.9	23.3	20.2	20.2	20.2	21.7	23.3	24.8	24.8
110°	23.3	24.8	23.3	20.2	18.6	18.6	18.6	18.6	21.7	21.7	23.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.6	20.2	20.2	17.1	17.1	17.1	15.5	17.1	18.6	20.2	20.2
115°	17.1	17.1	17.1	15.5	15.5	15.5	14.0	14.0	17.1	18.6	18.6
117.5°	15.5	15.5	15.5	14.0	14.0	14.0	12.4	12.4	14.0	17.1	17.1
120°	14.0	14.0	14.0	12.4	12.4	12.4	10.9	10.9	12.4	15.5	15.5
122.5°	12.4	12.4	12.4	10.9	10.9	10.9	10.9	10.9	12.4	14.0	14.0
125°	10.9	10.9	10.9	10.9	10.9	9.3	9.3	9.3	10.9	12.4	12.4
127.5°	10.9	10.9	10.9	9.3	9.3	9.3	9.3	9.3	9.3	10.9	12.4
130°	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	9.3	10.9	10.9
132.5°	9.3	9.3	9.3	7.8	7.8	7.8	7.8	7.8	9.3	9.3	10.9
135°	7.8	9.3	7.8	7.8	7.8	6.2	6.2	6.2	7.8	9.3	9.3
137.5°	7.8	7.8	6.2	6.2	6.2	6.2	6.2	6.2	7.8	7.8	7.8
140°	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	6.2	7.8	7.8
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.2	6.2
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7
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)