

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: P695318

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695318  
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-PA16-50-727-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA 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: 4816 lumens  
Efficiency: N/A  
Efficacy: 90.7 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

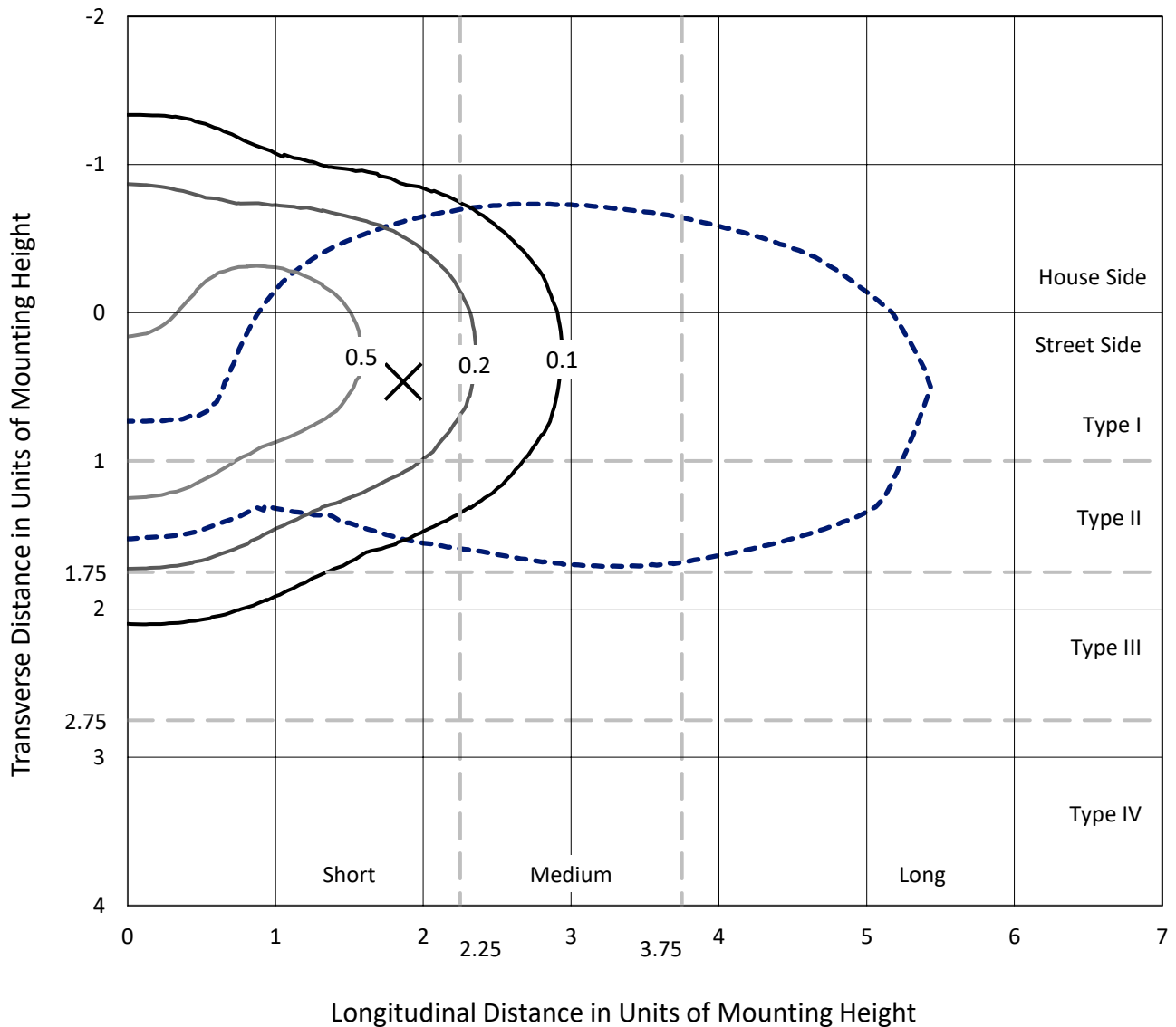
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

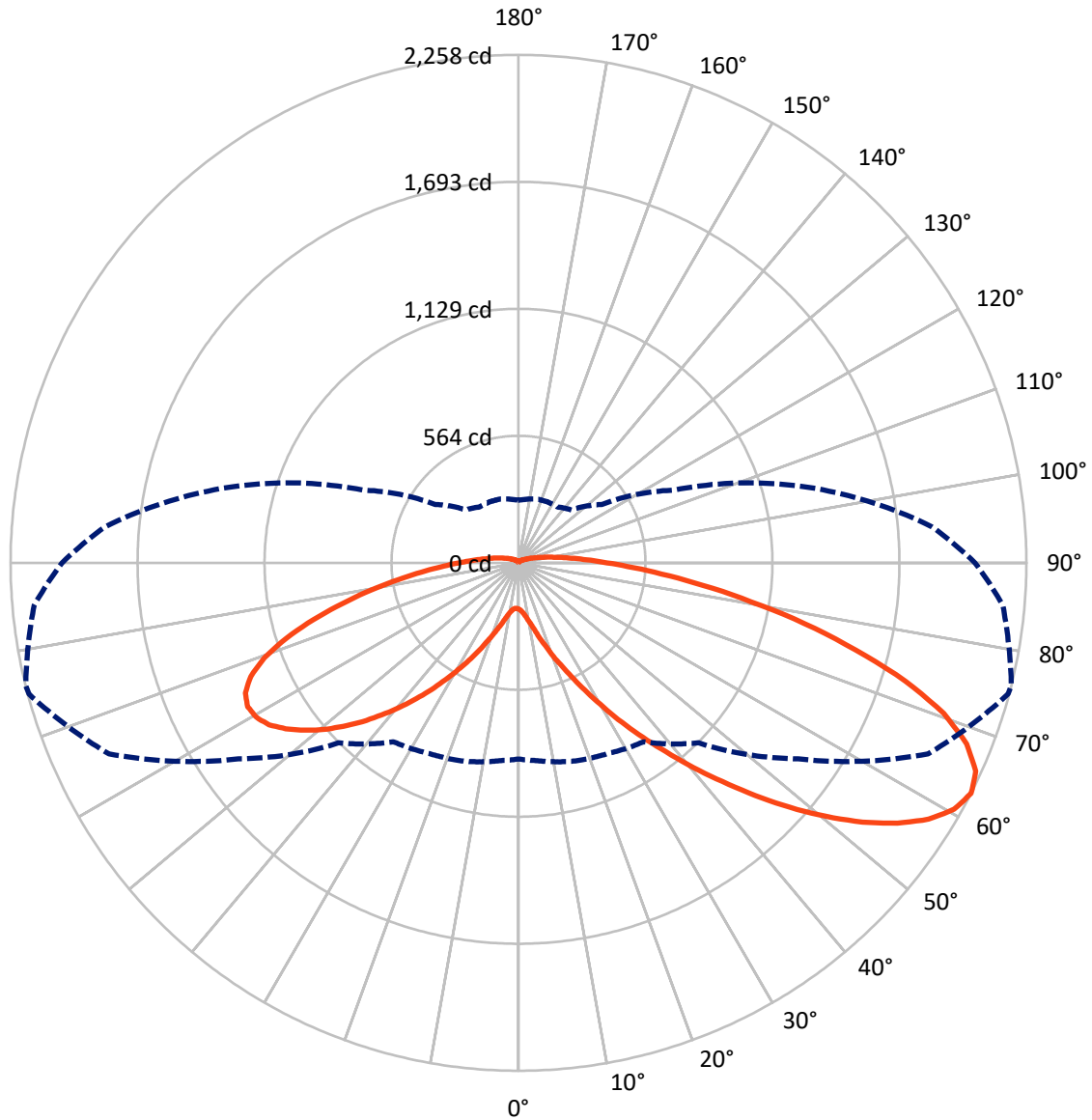
✕ Max cd  
 - - - 1/2 Max cd



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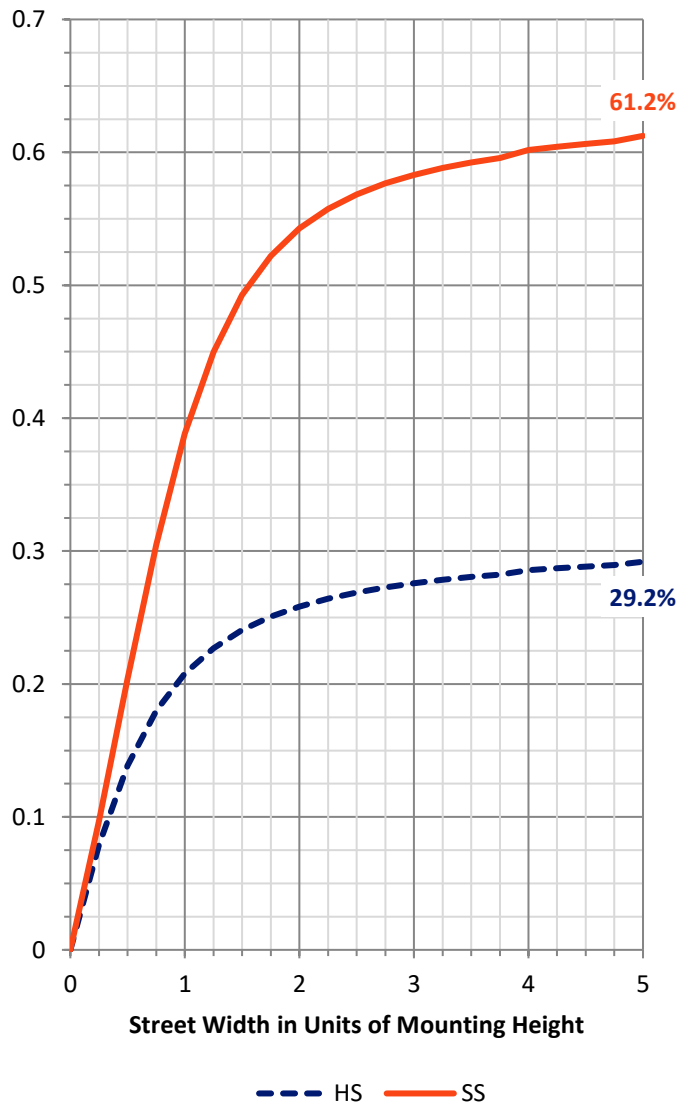
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1465.1	143.9	1609.0
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	3030.8	176.2	3207.0
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	4495.9	320.1	4816.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	0.4
10°-20°	88.6	1.8
20°-30°	226.3	4.7
30°-40°	452.2	9.4
40°-50°	730.7	15.2
50°-60°	955.8	19.8
60°-70°	969.6	20.1
70°-80°	697.2	14.5
80°-90°	354.0	7.4
90°-100°	160.1	3.3
100°-110°	78.6	1.6
110°-120°	42.0	0.9
120°-130°	23.2	0.5
130°-140°	11.6	0.2
140°-150°	4.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4495.9	93.4
0°-180°	4816.0	100.0

**Coefficient of Utilization**



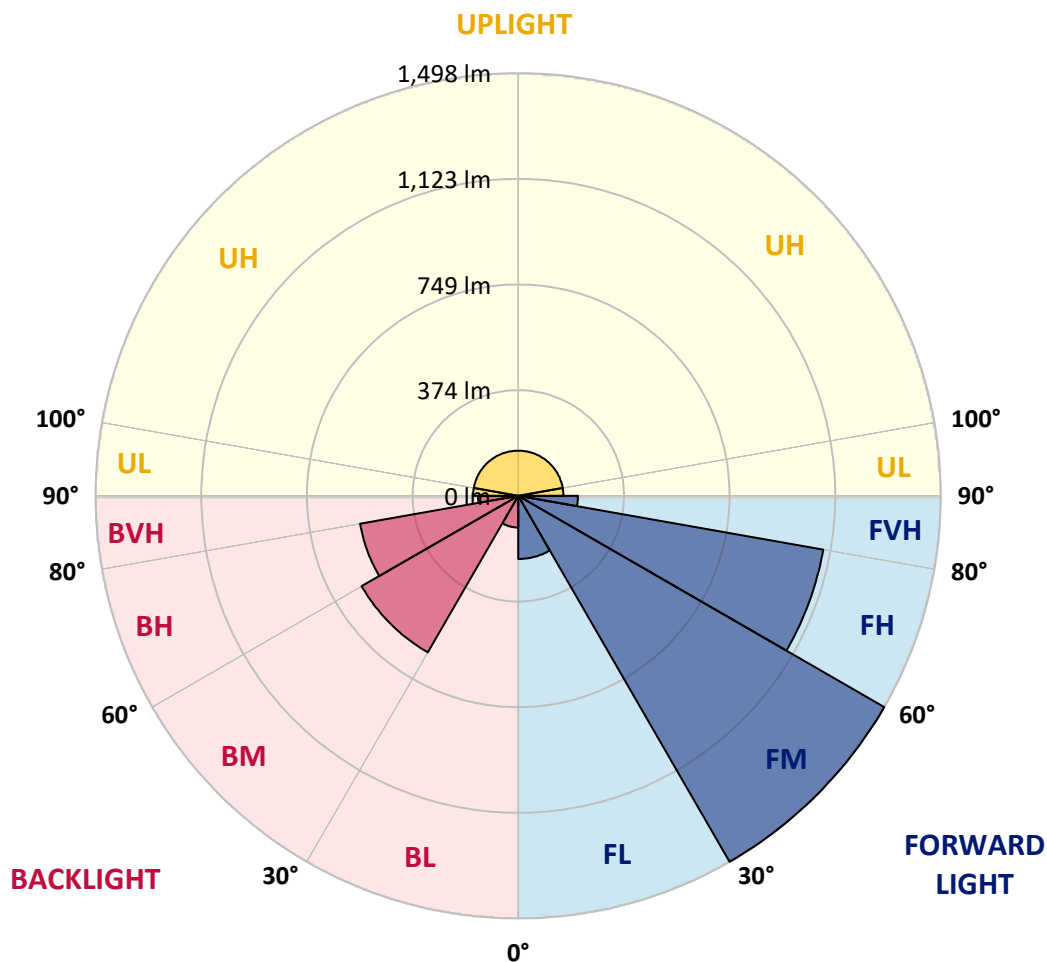
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.9	4.6			
FM (30°-60°)	1497.9	31.1			
FH (60°-80°)	1097.6	22.8			G1/1800
FVH (80°-90°)	211.4	4.4			G2/225
BL (0°-30°)	112.5	2.3	B1/500		
BM (30°-60°)	640.9	13.3	B1/1000		
BH (60°-80°)	569.2	11.8	B2/1000		G2/1000
BVH (80°-90°)	142.6	3.0			G2/225
UL (90°-100°)	160.1	3.3		U3/500	
UH (100°-180°)	160.0	3.3		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°	75°	76°	85°
0°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	230.1	228.4	228.4	226.6	224.9	223.2	219.7	216.2	212.8	212.8	209.3
5°	261.2	259.5	259.5	256.0	252.6	245.7	240.5	233.5	226.6	224.9	218.0
7.5°	295.8	297.6	295.8	290.6	285.4	276.8	266.4	256.0	243.9	242.2	231.8
10°	339.1	340.8	335.6	328.7	323.5	314.9	299.3	285.4	269.9	268.1	254.3
12.5°	391.0	387.5	387.5	378.9	368.5	352.9	335.6	320.0	301.0	297.6	282.0
15°	442.9	449.8	444.6	432.5	416.9	401.4	384.1	365.0	346.0	342.5	320.0
17.5°	503.4	512.1	505.2	491.3	475.7	455.0	439.4	415.2	392.7	387.5	361.6
20°	579.5	579.5	570.9	553.6	536.3	520.7	498.2	472.3	446.3	444.6	410.0
22.5°	655.7	652.2	643.5	624.5	603.8	586.5	560.5	536.3	510.3	501.7	472.3
25°	740.4	737.0	721.4	695.4	678.1	653.9	633.2	609.0	581.3	572.6	539.8
27.5°	826.9	823.5	804.4	780.2	752.5	728.3	707.6	688.5	653.9	653.9	615.9
30°	916.9	911.7	889.2	863.3	828.7	804.4	792.3	773.3	749.1	743.9	697.2
32.5°	1001.7	1003.4	980.9	944.6	908.2	884.0	878.8	873.6	847.7	846.0	795.8
35°	1089.9	1086.4	1062.2	1025.9	987.8	965.3	967.1	977.4	954.9	951.5	890.9
37.5°	1169.5	1169.5	1143.5	1098.5	1057.0	1039.7	1063.9	1091.6	1076.0	1065.7	1003.4
40°	1242.1	1236.9	1214.4	1167.7	1121.0	1119.3	1162.5	1204.1	1198.9	1195.4	1119.3
42.5°	1295.7	1288.8	1268.1	1219.6	1178.1	1186.8	1257.7	1337.3	1335.5	1328.6	1247.3
45°	1325.2	1321.7	1302.7	1257.7	1217.9	1250.8	1354.6	1461.8	1480.9	1475.7	1377.1
47.5°	1330.3	1328.6	1313.0	1273.3	1243.9	1297.5	1449.7	1593.3	1622.7	1624.4	1512.0
50°	1309.6	1309.6	1299.2	1268.1	1250.8	1330.3	1524.1	1728.2	1769.8	1771.5	1648.7
52.5°	1259.4	1259.4	1259.4	1238.7	1235.2	1340.7	1586.4	1835.5	1916.8	1915.1	1790.5
55°	1188.5	1186.8	1193.7	1190.2	1195.4	1323.4	1615.8	1935.8	2048.3	2043.1	1920.3
57.5°	1100.3	1095.1	1112.4	1119.3	1134.9	1281.9	1621.0	2003.3	2153.8	2150.4	2025.8
60°	986.1	989.5	1015.5	1027.6	1055.3	1216.2	1586.4	2027.5	2224.7	2224.7	2114.0
62.5°	871.9	882.3	913.4	935.9	970.5	1131.4	1518.9	2008.5	2252.4	2257.6	2160.7
65°	761.2	775.0	809.6	833.8	877.1	1027.6	1408.2	1934.1	2224.7	2233.4	2164.2
67.5°	660.8	664.3	702.4	730.0	775.0	916.9	1281.9	1807.8	2133.1	2148.6	2108.8
70°	564.0	569.2	607.2	638.4	678.1	801.0	1131.4	1621.0	1979.1	2005.0	1986.0
72.5°	470.6	479.2	512.1	548.4	586.5	693.7	970.5	1432.4	1771.5	1799.2	1809.6
75°	396.2	404.8	437.7	472.3	506.9	593.4	826.9	1212.7	1532.8	1548.3	1598.5
77.5°	328.7	339.1	366.8	401.4	432.5	505.2	685.1	999.9	1288.8	1300.9	1344.2
80°	275.1	283.7	306.2	339.1	363.3	423.8	560.5	809.6	1032.8	1048.4	1086.4
82.5°	228.4	231.8	256.0	283.7	309.7	358.1	458.4	643.5	809.6	826.9	878.8
85°	192.0	193.8	214.5	237.0	261.2	297.6	373.7	503.4	624.5	636.6	674.7
87.5°	155.7	159.2	179.9	200.7	219.7	250.8	302.7	396.2	480.9	486.1	512.1
90°	129.7	133.2	150.5	169.5	188.6	209.3	249.1	306.2	366.8	370.2	385.8
92.5°	109.0	110.7	126.3	145.3	162.6	179.9	204.1	242.2	285.4	288.9	295.8
95°	91.7	93.4	107.3	122.8	138.4	152.2	171.3	195.5	221.4	223.2	230.1
97.5°	79.6	79.6	91.7	105.5	119.4	129.7	141.9	159.2	174.7	173.0	174.7
100°	67.5	67.5	77.8	91.7	103.8	112.4	119.4	128.0	134.9	136.7	136.7
102.5°	58.8	58.8	67.5	81.3	91.7	98.6	103.8	105.5	109.0	109.0	107.3
105°	50.2	51.9	58.8	70.9	79.6	86.5	88.2	88.2	86.5	86.5	86.5
107.5°	45.0	45.0	51.9	62.3	70.9	76.1	77.8	74.4	70.9	69.2	69.2
110°	41.5	41.5	46.7	55.4	64.0	67.5	67.5	62.3	57.1	58.8	57.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	36.3	38.1	41.5	50.2	57.1	60.5	58.8	53.6	48.4	46.7	46.7
115°	34.6	34.6	38.1	45.0	51.9	53.6	51.9	46.7	39.8	39.8	39.8
117.5°	31.1	31.1	34.6	39.8	45.0	48.4	45.0	39.8	32.9	32.9	32.9
120°	29.4	29.4	31.1	36.3	41.5	43.2	39.8	34.6	27.7	27.7	29.4
122.5°	27.7	27.7	29.4	32.9	36.3	38.1	36.3	29.4	24.2	24.2	25.9
125°	25.9	25.9	25.9	29.4	32.9	34.6	31.1	25.9	20.8	20.8	22.5
127.5°	24.2	24.2	24.2	25.9	29.4	29.4	27.7	22.5	19.0	19.0	20.8
130°	22.5	22.5	22.5	24.2	25.9	25.9	22.5	19.0	17.3	17.3	17.3
132.5°	20.8	20.8	20.8	20.8	22.5	22.5	19.0	15.6	13.8	15.6	15.6
135°	19.0	19.0	19.0	19.0	19.0	19.0	15.6	12.1	12.1	12.1	13.8
137.5°	17.3	17.3	17.3	15.6	15.6	15.6	12.1	10.4	10.4	10.4	12.1
140°	15.6	15.6	15.6	13.8	12.1	12.1	8.6	8.6	8.6	8.6	10.4
142.5°	13.8	13.8	13.8	12.1	10.4	8.6	6.9	6.9	6.9	6.9	8.6
145°	12.1	12.1	10.4	10.4	6.9	5.2	5.2	5.2	5.2	6.9	6.9
147.5°	10.4	10.4	8.6	6.9	5.2	3.5	1.7	3.5	3.5	3.5	5.2
150°	6.9	6.9	6.9	5.2	3.5	1.7	1.7	1.7	3.5	3.5	3.5
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°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	207.6	205.9	202.4	198.9	195.5	193.8	192.0	190.3	190.3	190.3	190.3
5°	214.5	209.3	202.4	195.5	188.6	183.4	178.2	174.7	173.0	171.3	171.3
7.5°	226.6	219.7	207.6	197.2	186.8	176.5	169.5	164.3	160.9	159.2	159.2
10°	243.9	235.3	219.7	204.1	188.6	176.5	166.1	159.2	154.0	152.2	150.5
12.5°	271.6	261.2	238.7	216.2	197.2	179.9	167.8	157.4	152.2	150.5	150.5
15°	307.9	294.1	264.7	237.0	211.1	188.6	174.7	167.8	164.3	160.9	160.9
17.5°	346.0	330.4	297.6	263.0	231.8	205.9	190.3	183.4	176.5	174.7	174.7
20°	396.2	375.4	333.9	292.4	256.0	230.1	211.1	197.2	190.3	188.6	188.6
22.5°	449.8	423.8	377.1	325.2	285.4	252.6	230.1	212.8	205.9	202.4	202.4
25°	510.3	486.1	425.6	363.3	318.3	278.5	249.1	230.1	221.4	219.7	219.7
27.5°	583.0	553.6	479.2	408.3	349.5	301.0	268.1	245.7	237.0	235.3	235.3
30°	667.8	626.2	538.0	456.7	382.3	321.8	282.0	261.2	250.8	250.8	250.8
32.5°	747.3	704.1	602.0	505.2	411.7	339.1	295.8	275.1	264.7	264.7	264.7
35°	844.2	794.1	671.2	551.9	437.7	354.6	306.2	285.4	276.8	275.1	275.1
37.5°	951.5	887.5	740.4	595.1	461.9	365.0	314.9	294.1	285.4	283.7	283.7
40°	1058.7	984.4	816.5	640.1	479.2	371.9	320.0	301.0	292.4	288.9	288.9
42.5°	1172.9	1088.2	889.2	681.6	494.8	375.4	321.8	306.2	297.6	292.4	292.4
45°	1295.7	1195.4	967.1	714.5	505.2	377.1	323.5	307.9	301.0	294.1	294.1
47.5°	1427.2	1309.6	1038.0	745.6	508.6	375.4	323.5	309.7	301.0	294.1	292.4
50°	1546.6	1420.3	1110.6	769.8	508.6	371.9	323.5	311.4	302.7	292.4	292.4
52.5°	1672.9	1529.3	1172.9	785.4	505.2	366.8	321.8	309.7	302.7	290.6	290.6
55°	1797.4	1633.1	1230.0	794.1	496.5	359.8	318.3	309.7	301.0	288.9	287.2
57.5°	1897.8	1728.2	1276.7	794.1	484.4	351.2	313.1	307.9	299.3	287.2	285.4
60°	1979.1	1800.9	1302.7	783.7	468.8	342.5	307.9	304.5	297.6	283.7	282.0
62.5°	2029.3	1844.2	1309.6	764.6	451.5	332.2	302.7	299.3	294.1	282.0	278.5
65°	2037.9	1849.3	1288.8	731.8	429.0	318.3	294.1	294.1	288.9	276.8	275.1
67.5°	1987.7	1799.2	1236.9	686.8	404.8	304.5	283.7	285.4	282.0	271.6	268.1
70°	1880.5	1702.3	1150.4	634.9	377.1	290.6	271.6	273.3	269.9	261.2	259.5
72.5°	1714.4	1543.1	1034.5	572.6	347.7	273.3	259.5	259.5	257.8	249.1	245.7
75°	1508.5	1359.8	901.3	506.9	318.3	254.3	243.9	243.9	242.2	233.5	230.1
77.5°	1278.4	1148.7	762.9	442.9	287.2	235.3	224.9	226.6	224.9	214.5	214.5
80°	1032.8	942.8	636.6	380.6	257.8	214.5	205.9	207.6	204.1	193.8	190.3
82.5°	828.7	754.3	515.5	325.2	228.4	195.5	186.8	186.8	181.6	173.0	171.3
85°	633.2	579.5	416.9	273.3	202.4	174.7	167.8	166.1	159.2	150.5	148.8
87.5°	493.0	448.1	333.9	231.8	176.5	155.7	148.8	145.3	138.4	129.7	128.0
90°	371.9	344.3	266.4	193.8	155.7	138.4	131.5	126.3	119.4	110.7	107.3
92.5°	288.9	271.6	216.2	166.1	134.9	122.8	115.9	110.7	102.1	95.1	91.7
95°	223.2	212.8	178.2	141.9	119.4	107.3	102.1	96.9	90.0	81.3	77.8
97.5°	176.5	167.8	145.3	121.1	105.5	96.9	90.0	84.8	76.1	69.2	67.5
100°	138.4	133.2	121.1	103.8	93.4	84.8	79.6	74.4	65.7	58.8	58.8
102.5°	109.0	107.3	100.3	90.0	83.0	76.1	70.9	65.7	58.8	51.9	50.2
105°	88.2	88.2	83.0	77.8	72.7	67.5	64.0	58.8	50.2	45.0	43.2
107.5°	70.9	72.7	70.9	69.2	64.0	60.5	57.1	50.2	43.2	38.1	38.1
110°	58.8	58.8	60.5	58.8	57.1	53.6	50.2	45.0	38.1	34.6	34.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.4	50.2	51.9	51.9	50.2	48.4	45.0	39.8	32.9	29.4	29.4
115°	41.5	41.5	45.0	45.0	45.0	43.2	39.8	34.6	29.4	25.9	27.7
117.5°	34.6	36.3	38.1	39.8	39.8	38.1	34.6	29.4	24.2	24.2	24.2
120°	31.1	31.1	32.9	34.6	34.6	34.6	31.1	25.9	22.5	20.8	20.8
122.5°	27.7	27.7	29.4	31.1	31.1	29.4	27.7	22.5	19.0	19.0	19.0
125°	24.2	24.2	25.9	27.7	27.7	25.9	22.5	19.0	17.3	17.3	17.3
127.5°	20.8	22.5	22.5	24.2	24.2	22.5	20.8	17.3	13.8	15.6	15.6
130°	19.0	19.0	20.8	20.8	20.8	19.0	17.3	13.8	13.8	13.8	13.8
132.5°	17.3	17.3	17.3	17.3	17.3	17.3	13.8	12.1	12.1	12.1	12.1
135°	13.8	15.6	15.6	15.6	15.6	13.8	12.1	10.4	10.4	10.4	12.1
137.5°	12.1	12.1	13.8	12.1	12.1	12.1	8.6	8.6	8.6	10.4	10.4
140°	10.4	10.4	10.4	10.4	10.4	8.6	6.9	6.9	8.6	8.6	8.6
142.5°	8.6	8.6	8.6	8.6	6.9	6.9	5.2	5.2	6.9	6.9	8.6
145°	6.9	6.9	6.9	6.9	5.2	5.2	3.5	5.2	5.2	6.9	6.9
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	3.5	3.5	5.2	5.2
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)