

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: P695323

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)  
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-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND  
FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4673 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B1 - U3 - G3

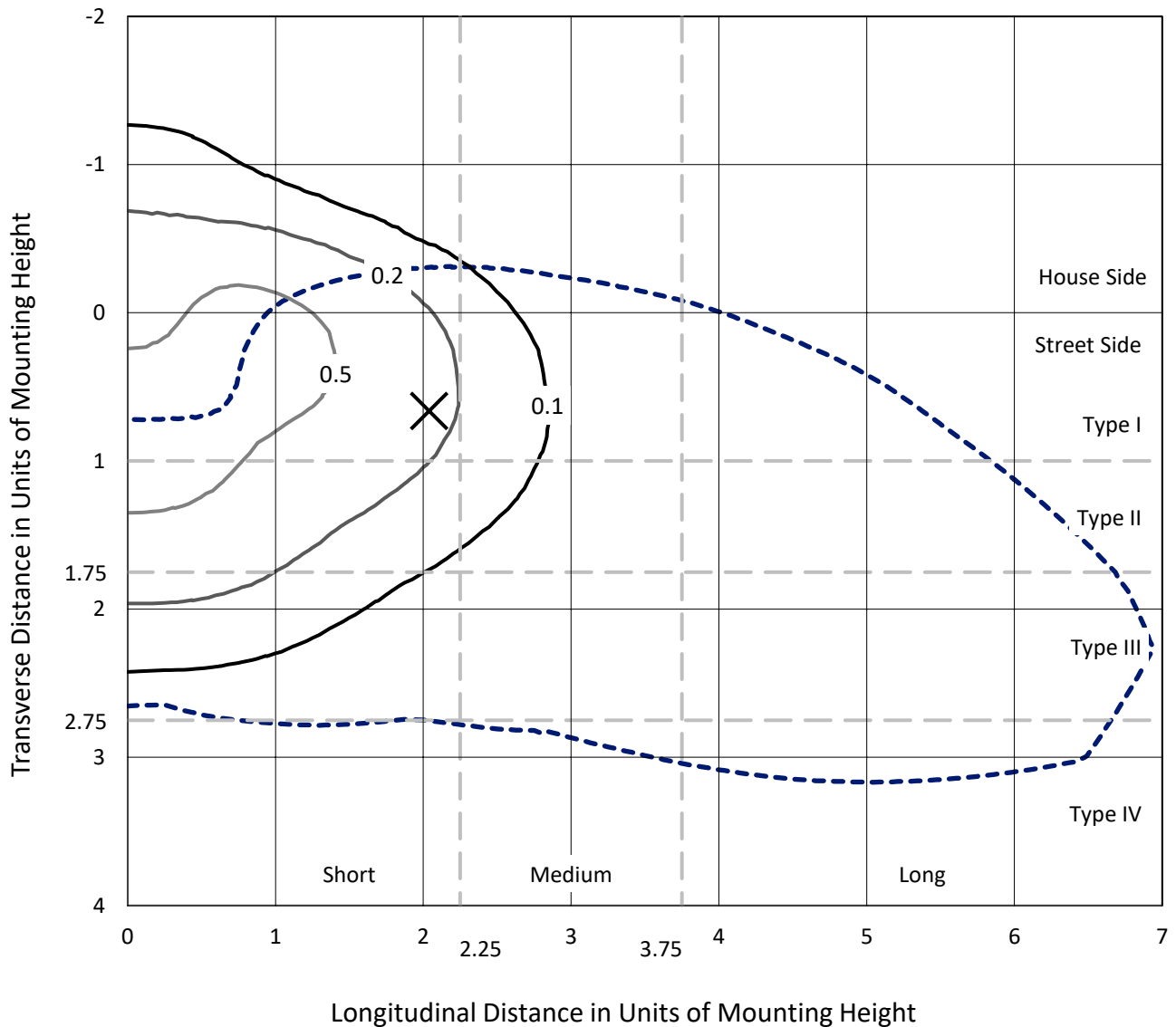
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

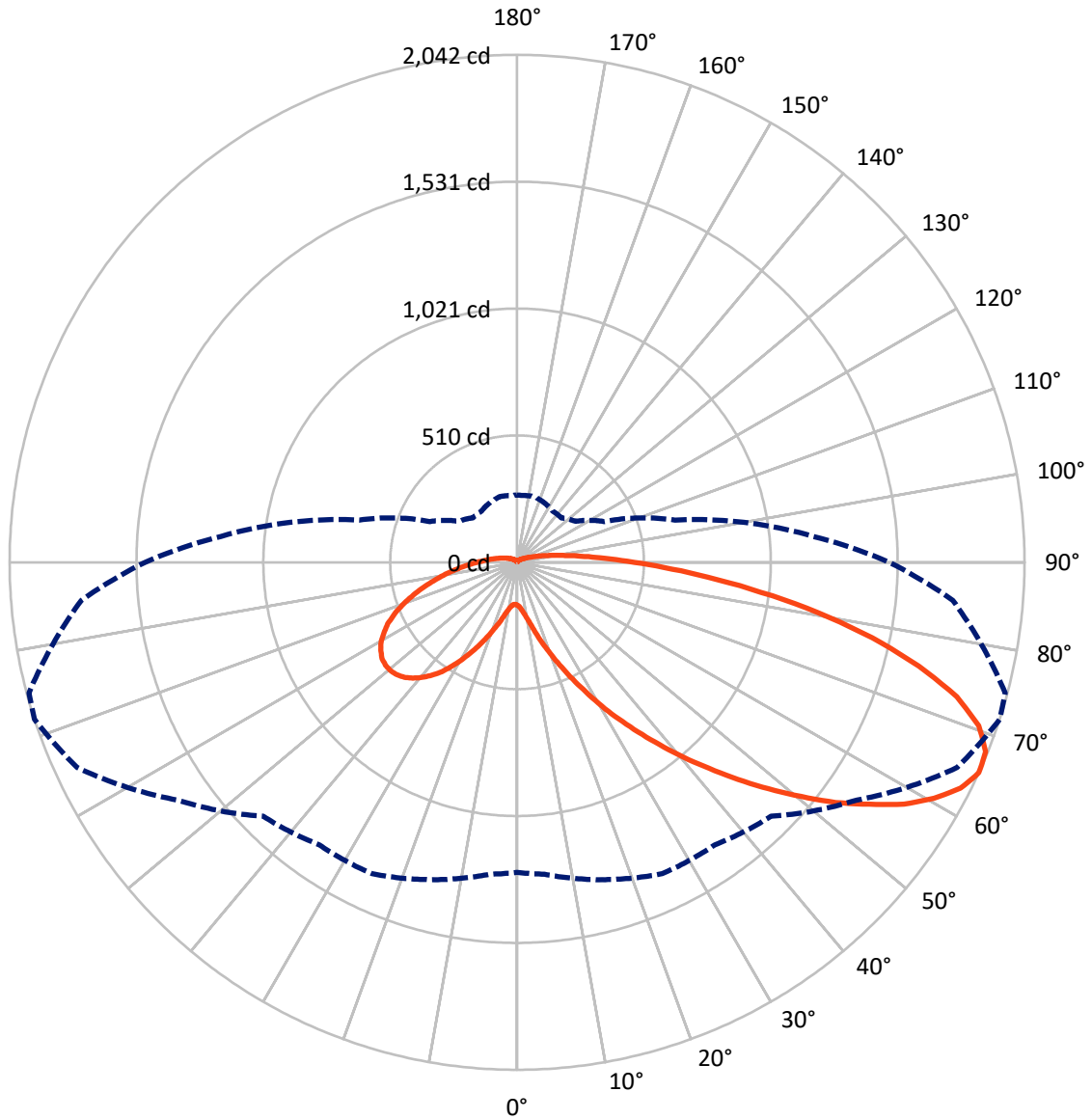
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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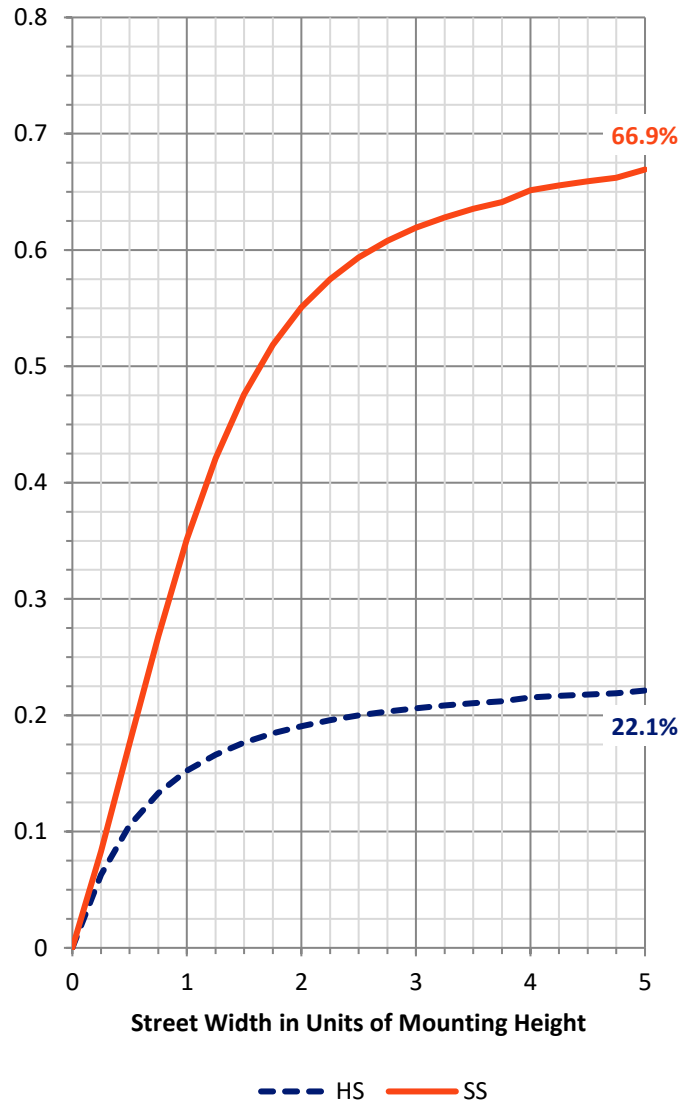
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1092.0	138.1	1230.1
	% Fixture	23.4	3.0	26.3
<b>Street Side</b>	Lumens	3247.4	195.5	3442.9
	% Fixture	69.5	4.2	73.7
<b>Total</b>	Lumens	4339.4	333.6	4673.0
	% Fixture	92.9	7.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	0.4
10°-20°	76.0	1.6
20°-30°	195.7	4.2
30°-40°	389.3	8.3
40°-50°	633.8	13.6
50°-60°	877.4	18.8
60°-70°	980.2	21.0
70°-80°	767.4	16.4
80°-90°	401.3	8.6
90°-100°	174.6	3.7
100°-110°	80.5	1.7
110°-120°	41.0	0.9
120°-130°	22.0	0.5
130°-140°	11.0	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°	4339.4	92.9
0°-180°	4673.0	100.0

**Coefficient of Utilization**



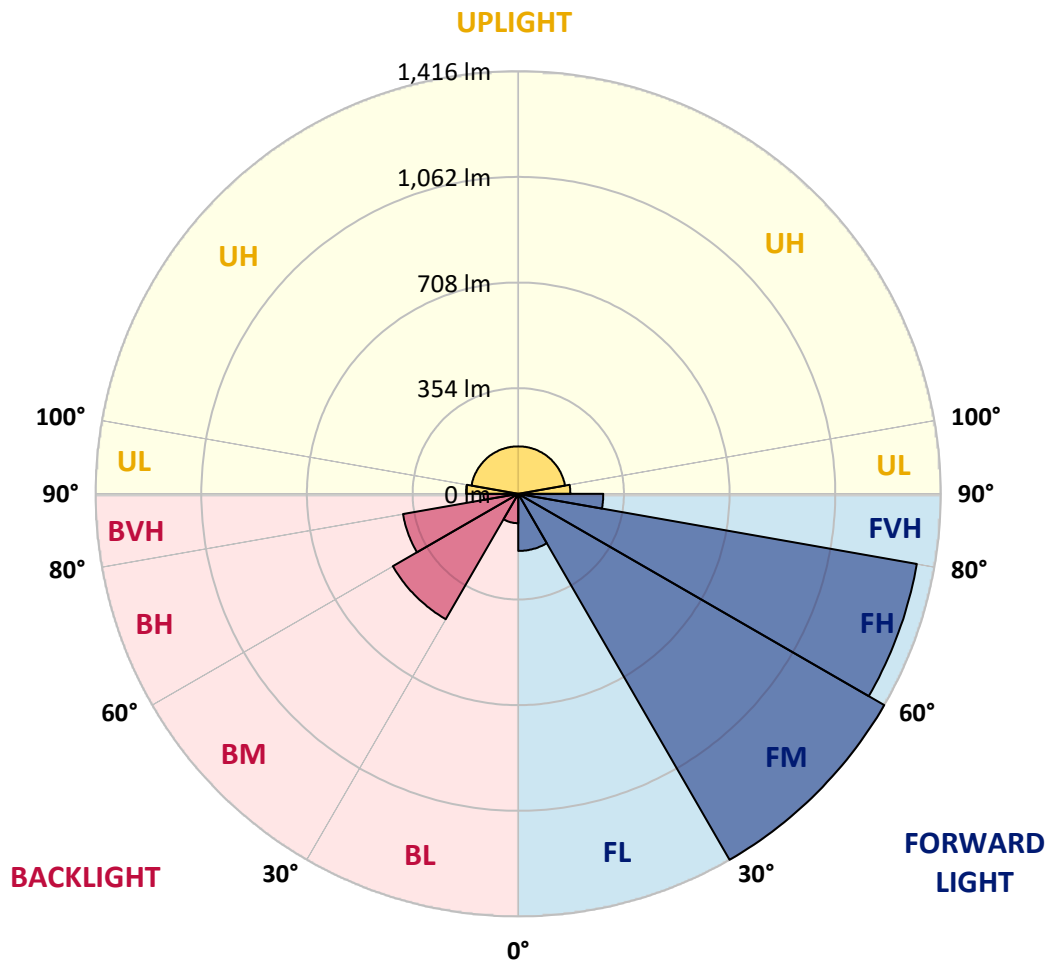
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	4.1			
FM (30°-60°)	1415.6	30.3			
FH (60°-80°)	1355.7	29.0			G1/1800
FVH (80°-90°)	284.8	6.1			G3/500
BL (0°-30°)	98.5	2.1	B0/110		
BM (30°-60°)	485.1	10.4	B1/1000		
BH (60°-80°)	391.9	8.4	B1/500		G1/500
BVH (80°-90°)	116.5	2.5			G2/225
UL (90°-100°)	174.6	3.7		U3/500	
UH (100°-180°)	159.0	3.4		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0
2.5°	186.9	188.6	188.6	186.9	186.9	185.1	183.4	180.0	178.2	178.2	174.8
5°	211.1	212.8	211.1	209.4	207.6	202.4	200.7	195.5	192.1	190.3	183.4
7.5°	242.2	242.2	240.5	237.1	233.6	230.1	221.5	214.6	209.4	205.9	197.3
10°	275.1	275.1	273.4	271.7	266.5	257.8	249.2	240.5	231.9	230.1	218.0
12.5°	320.1	316.7	313.2	308.0	302.8	294.2	282.0	271.7	263.0	261.3	247.4
15°	365.1	366.8	359.9	351.3	344.3	334.0	323.6	314.9	304.5	301.1	282.0
17.5°	417.0	418.7	413.5	406.6	394.5	384.1	370.3	358.2	351.3	344.3	321.8
20°	481.0	481.0	475.8	462.0	449.9	437.8	425.7	411.8	399.7	394.5	370.3
22.5°	548.5	546.8	539.9	522.6	507.0	491.4	481.0	467.2	458.5	451.6	423.9
25°	629.8	624.6	614.3	593.5	572.7	553.7	538.1	532.9	520.8	513.9	488.0
27.5°	709.4	712.9	695.6	667.9	638.5	619.5	605.6	598.7	590.0	586.6	553.7
30°	808.1	801.1	782.1	747.5	706.0	680.0	673.1	671.4	671.4	664.4	629.8
32.5°	899.8	892.9	872.1	830.6	780.4	747.5	742.3	747.5	751.0	749.2	706.0
35°	993.2	986.3	962.1	917.1	849.6	811.5	811.5	832.3	837.5	834.0	790.8
37.5°	1081.5	1078.0	1053.8	993.2	929.2	882.5	889.4	922.3	930.9	929.2	873.8
40°	1166.2	1166.2	1142.0	1076.3	998.4	951.7	963.8	1014.0	1031.3	1029.5	969.0
42.5°	1252.8	1249.3	1226.8	1162.8	1072.8	1020.9	1043.4	1105.7	1133.4	1136.8	1064.2
45°	1327.2	1323.7	1306.4	1235.5	1145.5	1091.8	1124.7	1209.5	1245.8	1244.1	1157.6
47.5°	1391.2	1389.5	1377.3	1311.6	1216.4	1166.2	1213.0	1316.8	1361.8	1361.8	1263.1
50°	1443.1	1444.8	1436.2	1382.5	1282.2	1237.2	1301.2	1425.8	1481.2	1481.2	1363.5
52.5°	1476.0	1479.4	1482.9	1432.7	1344.5	1302.9	1386.0	1540.0	1605.7	1604.0	1465.6
55°	1486.4	1489.8	1507.1	1476.0	1394.6	1363.5	1470.8	1650.7	1718.2	1713.0	1559.0
57.5°	1469.1	1476.0	1505.4	1495.0	1429.3	1412.0	1541.7	1745.9	1835.9	1830.7	1645.5
60°	1425.8	1434.4	1476.0	1488.1	1443.1	1444.8	1607.5	1841.1	1927.6	1924.1	1713.0
62.5°	1349.7	1363.5	1417.1	1450.0	1431.0	1458.7	1650.7	1913.7	2002.0	1996.8	1752.8
65°	1247.6	1259.7	1322.0	1382.5	1387.7	1444.8	1668.0	1953.5	2041.8	2033.1	1759.7
67.5°	1126.4	1121.3	1200.9	1278.7	1309.9	1394.6	1645.5	1948.4	2033.1	2017.6	1716.5
70°	977.6	977.6	1059.0	1136.8	1202.6	1316.8	1583.3	1893.0	1970.8	1948.4	1633.4
72.5°	802.9	821.9	892.9	984.6	1065.9	1204.3	1486.4	1784.0	1849.7	1823.8	1493.3
75°	657.5	673.1	735.4	827.1	920.5	1074.5	1342.7	1626.5	1669.8	1643.8	1322.0
77.5°	527.8	534.7	602.2	680.0	776.9	917.1	1171.4	1429.3	1460.4	1432.7	1128.2
80°	406.6	423.9	470.7	545.1	638.5	775.2	993.2	1199.1	1228.5	1197.4	922.3
82.5°	320.1	325.3	368.6	439.5	519.1	635.0	816.7	974.2	988.0	951.7	744.0
85°	247.4	250.9	287.2	347.8	417.0	510.4	652.3	766.5	770.0	749.2	581.4
87.5°	188.6	195.5	228.4	276.9	335.7	417.0	513.9	593.5	588.3	572.7	453.3
90°	148.8	152.3	176.5	219.8	268.2	328.8	401.4	453.3	443.0	436.0	342.6
92.5°	117.7	119.4	145.3	178.2	218.0	266.5	314.9	349.5	335.7	330.5	261.3
95°	93.4	96.9	115.9	145.3	178.2	214.6	247.4	264.7	256.1	247.4	202.4
97.5°	76.1	77.9	95.2	119.4	147.1	174.8	197.3	204.2	195.5	192.1	157.5
100°	64.0	64.0	79.6	100.4	121.1	143.6	157.5	160.9	154.0	145.3	121.1
102.5°	53.6	53.6	65.8	84.8	103.8	119.4	128.0	128.0	119.4	114.2	96.9
105°	45.0	46.7	55.4	72.7	88.2	100.4	107.3	102.1	95.2	91.7	77.9
107.5°	39.8	39.8	48.4	62.3	76.1	84.8	88.2	83.1	76.1	70.9	62.3
110°	36.3	36.3	41.5	53.6	65.8	74.4	74.4	69.2	60.6	57.1	51.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	31.1	32.9	36.3	46.7	57.1	64.0	64.0	57.1	50.2	46.7	43.3
115°	29.4	29.4	32.9	41.5	50.2	55.4	55.4	48.4	41.5	39.8	36.3
117.5°	26.0	26.0	29.4	36.3	43.3	48.4	46.7	41.5	34.6	32.9	31.1
120°	24.2	24.2	26.0	31.1	38.1	41.5	39.8	34.6	29.4	27.7	27.7
122.5°	22.5	22.5	24.2	27.7	34.6	36.3	34.6	29.4	26.0	24.2	26.0
125°	20.8	20.8	22.5	26.0	29.4	31.1	29.4	24.2	22.5	22.5	22.5
127.5°	20.8	20.8	20.8	22.5	26.0	27.7	26.0	20.8	19.0	19.0	20.8
130°	19.0	19.0	19.0	20.8	22.5	24.2	20.8	17.3	17.3	17.3	17.3
132.5°	17.3	17.3	17.3	17.3	19.0	19.0	17.3	15.6	15.6	15.6	15.6
135°	15.6	15.6	15.6	15.6	15.6	15.6	13.8	12.1	13.8	13.8	13.8
137.5°	13.8	13.8	13.8	13.8	13.8	12.1	12.1	10.4	12.1	12.1	12.1
140°	12.1	12.1	12.1	12.1	10.4	10.4	8.7	8.7	8.7	10.4	10.4
142.5°	10.4	10.4	10.4	10.4	8.7	6.9	6.9	6.9	8.7	8.7	8.7
145°	8.7	8.7	8.7	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	6.9	6.9	6.9	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2
150°	5.2	5.2	5.2	3.5	3.5	1.7	1.7	3.5	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°	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0
2.5°	173.0	173.0	169.6	167.8	166.1	164.4	162.7	160.9	160.9	160.9	160.9
5°	181.7	176.5	171.3	166.1	160.9	157.5	152.3	150.5	148.8	147.1	147.1
7.5°	192.1	188.6	178.2	169.6	160.9	154.0	148.8	143.6	140.2	138.4	138.4
10°	211.1	204.2	192.1	178.2	166.1	155.7	147.1	140.2	136.7	135.0	135.0
12.5°	238.8	228.4	211.1	192.1	174.8	160.9	150.5	141.9	136.7	136.7	135.0
15°	271.7	259.5	237.1	212.8	188.6	169.6	157.5	150.5	145.3	143.6	143.6
17.5°	309.7	297.6	268.2	235.3	209.4	185.1	169.6	160.9	155.7	152.3	152.3
20°	356.4	339.1	301.1	263.0	228.4	205.9	183.4	173.0	166.1	162.7	160.9
22.5°	406.6	387.6	340.9	292.4	252.6	223.2	199.0	183.4	174.8	173.0	171.3
25°	467.2	439.5	382.4	323.6	276.9	240.5	212.8	193.8	186.9	183.4	183.4
27.5°	531.2	498.3	427.4	356.4	299.3	254.4	223.2	204.2	197.3	195.5	193.8
30°	598.7	560.6	474.1	392.8	320.1	268.2	235.3	216.3	207.6	205.9	205.9
32.5°	673.1	628.1	520.8	420.5	335.7	276.9	242.2	224.9	216.3	216.3	216.3
35°	745.8	693.9	569.3	449.9	349.5	283.8	249.2	233.6	224.9	226.7	226.7
37.5°	823.6	766.5	610.8	470.7	359.9	289.0	252.6	240.5	235.3	235.3	235.3
40°	908.4	827.1	648.9	486.2	363.4	290.7	256.1	245.7	242.2	242.2	244.0
42.5°	989.7	898.0	681.8	498.3	365.1	290.7	257.8	250.9	249.2	249.2	249.2
45°	1071.1	960.3	711.2	501.8	363.4	289.0	259.5	254.4	254.4	254.4	254.4
47.5°	1159.3	1022.6	731.9	500.1	358.2	285.5	259.5	256.1	259.5	257.8	257.8
50°	1237.2	1081.5	745.8	494.9	351.3	282.0	257.8	259.5	263.0	261.3	261.3
52.5°	1318.5	1133.4	752.7	482.8	340.9	276.9	257.8	261.3	264.7	263.0	263.0
55°	1391.2	1178.4	752.7	468.9	332.2	273.4	257.8	263.0	268.2	266.5	266.5
57.5°	1450.0	1209.5	740.6	449.9	320.1	268.2	256.1	263.0	269.9	268.2	268.2
60°	1495.0	1226.8	723.3	430.9	309.7	263.0	254.4	263.0	271.7	268.2	269.9
62.5°	1514.0	1225.1	692.1	408.4	299.3	257.8	252.6	263.0	271.7	269.9	269.9
65°	1496.7	1195.7	657.5	387.6	287.2	252.6	250.9	263.0	273.4	269.9	269.9
67.5°	1446.6	1138.6	612.5	361.6	275.1	247.4	247.4	261.3	271.7	268.2	268.2
70°	1354.8	1055.5	560.6	339.1	263.0	240.5	242.2	256.1	266.5	266.5	264.7
72.5°	1232.0	948.2	503.5	313.2	250.9	231.9	235.3	250.9	259.5	259.5	257.8
75°	1088.4	823.6	446.4	289.0	237.1	223.2	226.7	240.5	250.9	249.2	247.4
77.5°	917.1	697.3	391.1	263.0	221.5	211.1	216.3	230.1	238.8	235.3	233.6
80°	759.6	586.6	340.9	237.1	205.9	199.0	204.2	214.6	221.5	219.8	218.0
82.5°	607.3	474.1	289.0	212.8	190.3	185.1	190.3	199.0	204.2	202.4	199.0
85°	472.4	384.1	247.4	188.6	173.0	169.6	174.8	181.7	185.1	181.7	180.0
87.5°	372.0	301.1	205.9	166.1	155.7	154.0	157.5	164.4	167.8	164.4	159.2
90°	290.7	242.2	174.8	147.1	140.2	140.2	141.9	147.1	147.1	143.6	141.9
92.5°	226.7	193.8	147.1	128.0	124.6	124.6	128.0	129.8	129.8	124.6	122.9
95°	178.2	155.7	124.6	112.5	110.7	110.7	114.2	114.2	112.5	107.3	105.6
97.5°	140.2	126.3	107.3	98.6	96.9	98.6	100.4	100.4	96.9	91.7	90.0
100°	112.5	103.8	90.0	86.5	86.5	88.2	88.2	86.5	83.1	77.9	77.9
102.5°	91.7	84.8	77.9	76.1	76.1	77.9	77.9	76.1	72.7	65.8	65.8
105°	74.4	69.2	65.8	65.8	67.5	67.5	67.5	65.8	60.6	55.4	55.4
107.5°	60.6	58.8	57.1	57.1	58.8	60.6	60.6	57.1	51.9	48.4	48.4
110°	50.2	50.2	50.2	50.2	51.9	53.6	53.6	50.2	45.0	41.5	41.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.3	41.5	43.3	45.0	46.7	48.4	46.7	43.3	38.1	36.3	36.3
115°	36.3	36.3	38.1	39.8	41.5	41.5	41.5	38.1	32.9	31.1	31.1
117.5°	32.9	32.9	32.9	34.6	36.3	38.1	36.3	32.9	27.7	27.7	27.7
120°	27.7	27.7	29.4	31.1	32.9	32.9	31.1	27.7	24.2	24.2	24.2
122.5°	26.0	26.0	26.0	27.7	29.4	29.4	27.7	24.2	20.8	22.5	22.5
125°	22.5	22.5	22.5	24.2	26.0	26.0	24.2	20.8	19.0	19.0	19.0
127.5°	20.8	20.8	20.8	20.8	22.5	22.5	20.8	19.0	17.3	17.3	17.3
130°	19.0	19.0	19.0	19.0	19.0	19.0	17.3	15.6	15.6	15.6	15.6
132.5°	15.6	15.6	15.6	15.6	17.3	17.3	15.6	13.8	13.8	13.8	13.8
135°	13.8	13.8	13.8	13.8	13.8	13.8	12.1	12.1	12.1	12.1	12.1
137.5°	12.1	12.1	12.1	12.1	12.1	12.1	10.4	10.4	10.4	10.4	10.4
140°	10.4	10.4	10.4	10.4	10.4	8.7	8.7	8.7	8.7	10.4	10.4
142.5°	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9	8.7	8.7	8.7
145°	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9	6.9
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	6.9	6.9
150°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	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)