

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: P694893

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-750-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3429 lumens  
Efficiency: N/A  
Efficacy: 117.4 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 - G2

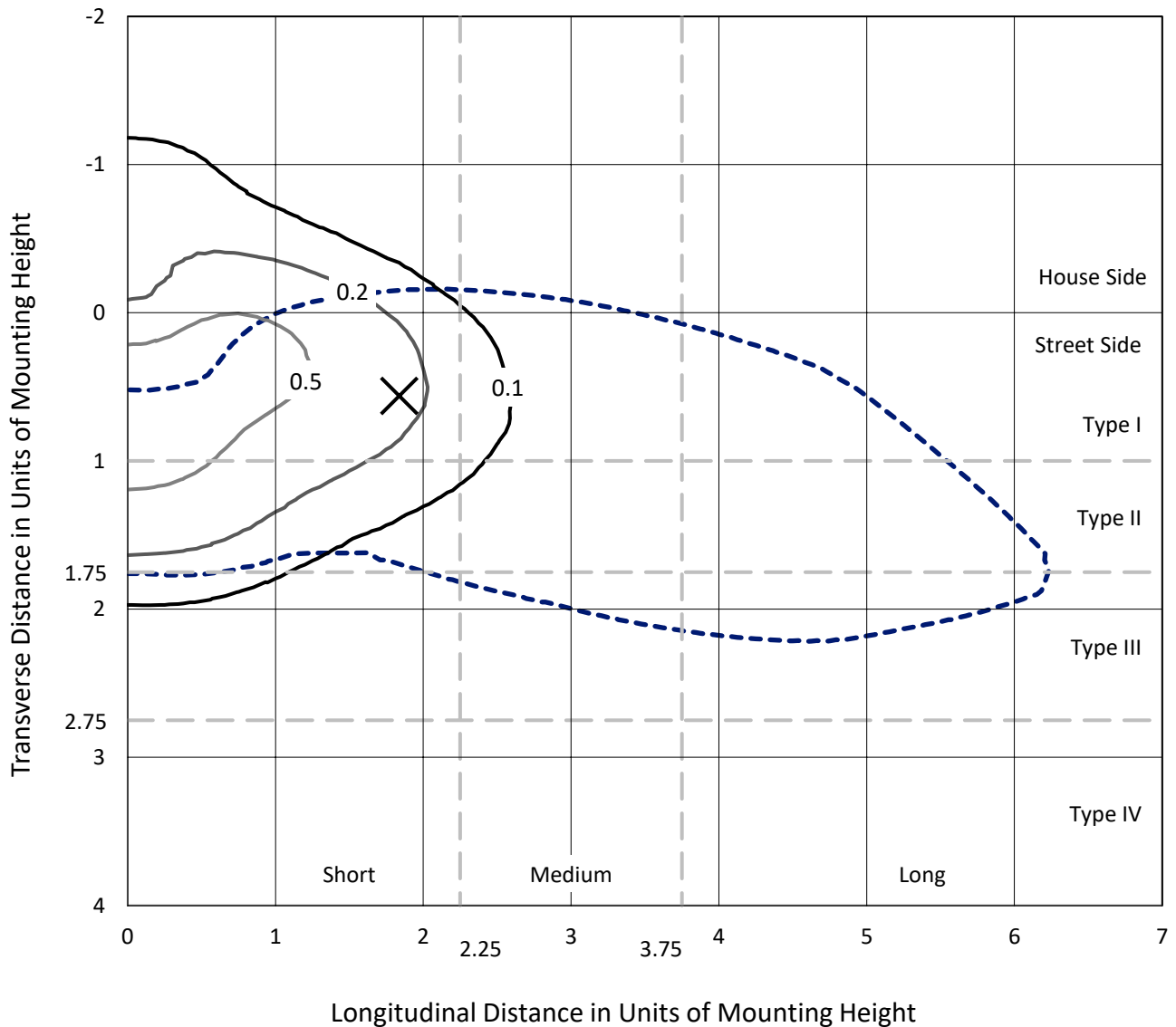
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

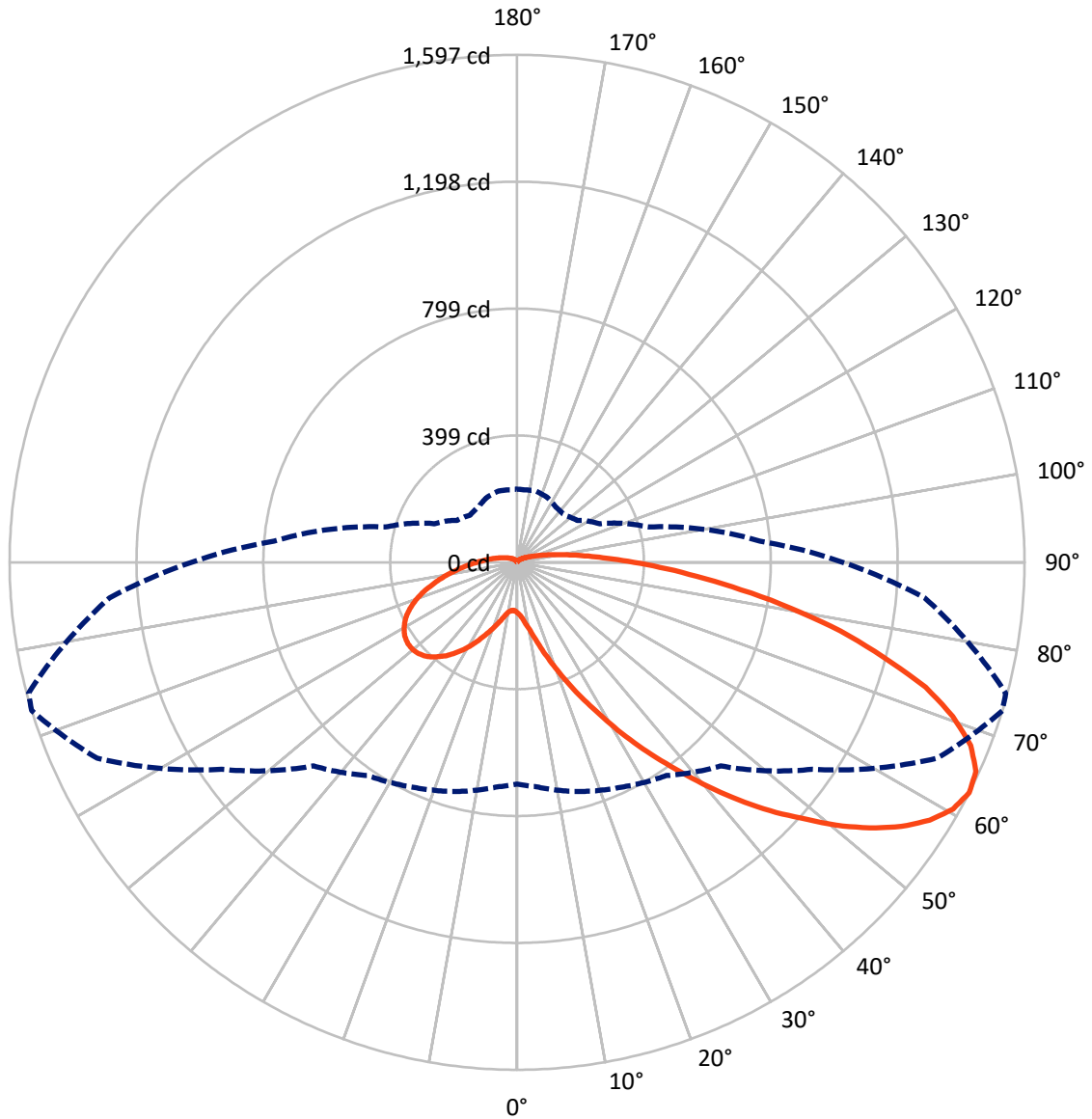
✕ Max cd  
 - - - 1/2 Max cd



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 73-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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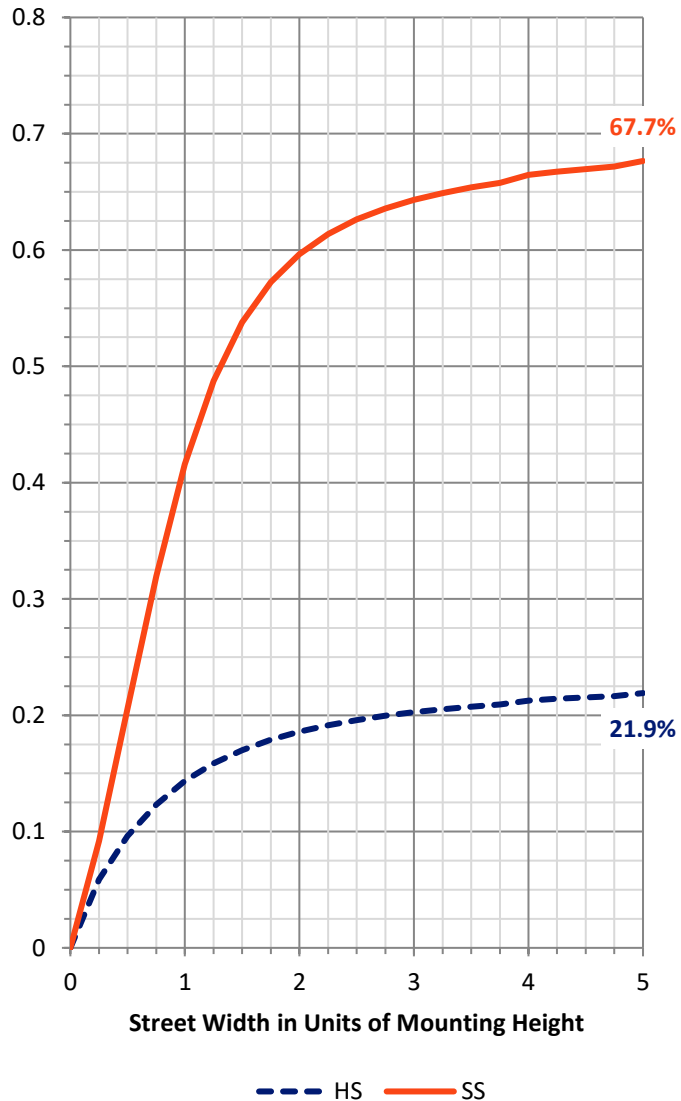
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	793.2	103.7	896.9
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	2387.2	144.9	2532.1
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	3180.4	248.6	3429.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.6	0.5
10°-20°	69.9	2.0
20°-30°	180.3	5.3
30°-40°	353.0	10.3
40°-50°	539.3	15.7
50°-60°	656.9	19.2
60°-70°	635.2	18.5
70°-80°	469.2	13.7
80°-90°	260.1	7.6
90°-100°	123.5	3.6
100°-110°	60.8	1.8
110°-120°	32.7	1.0
120°-130°	18.2	0.5
130°-140°	9.5	0.3
140°-150°	3.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3180.4	92.7
0°-180°	3429.0	100.0

**Coefficient of Utilization**



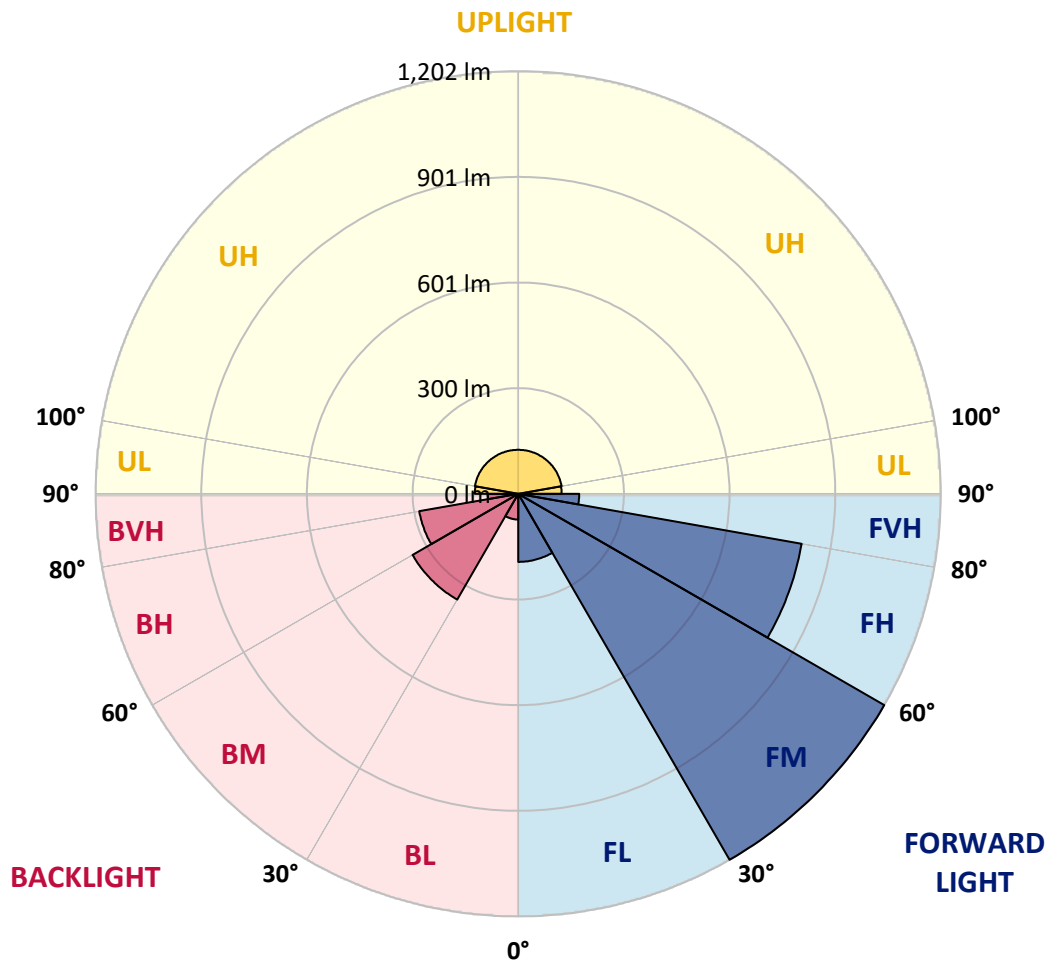
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.6	5.6			
FM (30°-60°)	1201.8	35.0			
FH (60°-80°)	818.5	23.9			G1/1800
FVH (80°-90°)	173.3	5.1			G2/225
BL (0°-30°)	73.1	2.1	B0/110		
BM (30°-60°)	347.3	10.1	B1/1000		
BH (60°-80°)	285.9	8.3	B1/500		G1/500
BVH (80°-90°)	86.8	2.5			G1/100
UL (90°-100°)	123.5	3.6		U3/500	
UH (100°-180°)	125.1	3.6		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2
2.5°	179.9	178.6	179.9	178.6	176.0	173.5	170.9	167.0	165.7	164.4	160.5
5°	209.7	211.0	209.7	204.5	201.9	196.8	191.6	183.8	177.3	176.0	168.3
7.5°	246.0	244.7	243.4	239.5	233.0	223.9	214.9	204.5	195.5	192.9	179.9
10°	288.7	284.8	286.1	277.0	269.3	257.6	246.0	230.4	214.9	212.3	195.5
12.5°	337.9	336.6	334.0	322.3	310.7	297.7	279.6	260.2	243.4	238.2	217.5
15°	397.4	392.2	389.6	376.7	361.2	344.3	322.3	299.0	278.3	274.4	244.7
17.5°	463.4	456.9	449.2	432.4	416.8	394.8	368.9	343.0	318.4	313.3	275.7
20°	532.0	529.4	520.4	499.7	476.4	453.1	424.6	393.5	362.5	356.0	313.3
22.5°	614.9	612.3	596.8	570.9	542.4	515.2	482.8	449.2	414.2	403.9	353.4
25°	705.5	697.7	679.6	647.2	614.9	577.3	545.0	508.7	471.2	458.2	400.0
27.5°	797.4	790.9	766.3	730.1	686.1	644.6	608.4	573.5	529.4	523.0	447.9
30°	888.0	888.0	855.6	814.2	756.0	709.4	674.4	642.1	601.9	592.9	506.1
32.5°	978.6	976.0	948.8	893.2	828.5	774.1	740.4	713.3	677.0	660.2	569.6
35°	1062.8	1061.5	1025.2	965.7	894.5	837.5	809.0	790.9	754.7	740.4	633.0
37.5°	1140.4	1135.3	1095.1	1034.3	947.6	891.9	875.1	873.8	837.5	819.4	700.3
40°	1193.5	1189.6	1154.7	1086.1	996.7	942.4	941.1	955.3	929.4	910.0	770.2
42.5°	1225.9	1220.7	1192.2	1124.9	1035.6	985.1	1000.6	1036.9	1022.6	1000.6	841.4
45°	1233.6	1229.8	1206.5	1144.3	1061.5	1020.0	1053.7	1118.4	1115.8	1095.1	911.3
47.5°	1214.2	1214.2	1198.7	1146.9	1071.8	1043.3	1105.5	1197.4	1202.6	1192.2	985.1
50°	1176.7	1174.1	1170.2	1128.8	1067.9	1056.3	1145.6	1277.6	1300.9	1285.4	1061.5
52.5°	1113.2	1112.0	1115.8	1092.5	1048.5	1055.0	1174.1	1346.3	1389.0	1374.7	1126.2
55°	1029.1	1026.5	1043.3	1036.9	1011.0	1039.5	1188.3	1401.9	1467.9	1455.0	1189.6
57.5°	928.1	923.0	955.3	967.0	959.2	1009.7	1188.3	1440.8	1531.4	1519.7	1238.8
60°	811.6	815.5	849.2	881.5	890.6	964.4	1168.9	1460.2	1576.7	1568.9	1271.2
62.5°	697.7	709.4	746.9	780.6	819.4	906.1	1135.3	1458.9	1597.4	1592.2	1288.0
65°	589.0	601.9	639.5	686.1	734.0	837.5	1083.5	1427.8	1587.0	1584.4	1280.2
67.5°	488.0	497.1	535.9	590.3	647.2	761.2	1011.0	1369.6	1540.4	1541.7	1244.0
70°	401.3	406.5	447.9	502.3	560.5	675.7	924.3	1277.6	1455.0	1458.9	1175.4
72.5°	330.1	339.2	370.2	420.7	482.8	598.0	832.3	1166.3	1345.0	1343.7	1083.5
75°	269.3	274.4	306.8	352.1	406.5	515.2	732.7	1033.0	1189.6	1200.0	964.4
77.5°	217.5	221.4	253.7	293.8	346.9	442.7	630.4	894.5	1040.8	1038.2	838.8
80°	176.0	181.2	208.4	244.7	292.6	376.7	533.3	749.5	872.5	875.1	697.7
82.5°	141.1	146.3	170.9	203.2	249.8	315.9	447.9	627.8	710.7	710.7	576.0
85°	112.6	117.8	141.1	169.6	207.1	268.0	367.6	502.3	567.0	570.9	466.0
87.5°	91.9	94.5	115.2	142.4	174.8	225.2	302.9	397.4	449.2	444.0	366.3
90°	73.8	76.4	94.5	117.8	147.6	189.0	247.2	321.0	348.2	346.9	286.1
92.5°	60.8	62.1	79.0	101.0	125.6	159.2	203.2	249.8	270.5	269.3	226.5
95°	50.5	51.8	67.3	85.4	107.4	134.6	165.7	200.6	213.6	211.0	177.3
97.5°	42.7	42.7	57.0	73.8	93.2	113.9	138.5	160.5	167.0	165.7	142.4
100°	36.2	36.2	47.9	64.7	81.6	98.4	115.2	128.2	130.7	132.0	112.6
102.5°	31.1	32.4	42.7	57.0	69.9	84.1	95.8	104.9	104.9	103.6	89.3
105°	28.5	28.5	36.2	49.2	62.1	72.5	81.6	86.7	84.1	81.6	71.2
107.5°	24.6	24.6	32.4	44.0	54.4	63.4	69.9	71.2	67.3	66.0	59.5
110°	22.0	23.3	28.5	38.8	49.2	55.7	59.5	59.5	55.7	54.4	49.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	20.7	20.7	25.9	35.0	42.7	49.2	51.8	50.5	46.6	45.3	41.4
115°	19.4	19.4	23.3	31.1	38.8	44.0	45.3	42.7	38.8	37.5	35.0
117.5°	18.1	18.1	20.7	27.2	35.0	38.8	40.1	36.2	32.4	32.4	31.1
120°	16.8	16.8	19.4	24.6	31.1	35.0	35.0	31.1	28.5	27.2	27.2
122.5°	16.8	16.8	18.1	22.0	27.2	29.8	31.1	27.2	24.6	23.3	23.3
125°	15.5	15.5	16.8	19.4	24.6	27.2	25.9	23.3	20.7	20.7	20.7
127.5°	15.5	15.5	15.5	18.1	20.7	23.3	23.3	20.7	18.1	18.1	19.4
130°	14.2	14.2	14.2	15.5	18.1	20.7	19.4	16.8	15.5	15.5	16.8
132.5°	14.2	14.2	14.2	14.2	15.5	18.1	16.8	14.2	14.2	14.2	14.2
135°	12.9	12.9	12.9	12.9	14.2	14.2	14.2	12.9	11.7	12.9	12.9
137.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	10.4	10.4	10.4	11.7
140°	10.4	10.4	10.4	10.4	9.1	9.1	9.1	7.8	9.1	9.1	10.4
142.5°	10.4	10.4	9.1	9.1	7.8	7.8	6.5	6.5	7.8	7.8	7.8
145°	9.1	9.1	7.8	6.5	5.2	5.2	5.2	5.2	5.2	6.5	6.5
147.5°	6.5	6.5	6.5	5.2	3.9	2.6	2.6	3.9	3.9	3.9	5.2
150°	5.2	5.2	5.2	3.9	2.6	1.3	1.3	2.6	2.6	2.6	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°	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2
2.5°	159.2	157.9	154.0	151.5	148.9	147.6	145.0	143.7	143.7	142.4	143.7
5°	164.4	160.5	152.7	146.3	139.8	134.6	130.7	128.2	126.9	125.6	124.3
7.5°	173.5	167.0	155.3	145.0	134.6	126.9	120.4	116.5	113.9	111.3	111.3
10°	186.4	177.3	160.5	146.3	133.3	123.0	113.9	108.7	106.1	103.6	103.6
12.5°	205.8	194.2	172.2	150.2	134.6	121.7	112.6	106.1	103.6	102.3	101.0
15°	230.4	216.2	187.7	161.8	139.8	123.0	113.9	111.3	108.7	107.4	107.4
17.5°	258.9	239.5	204.5	173.5	148.9	130.7	121.7	117.8	116.5	115.2	113.9
20°	290.0	268.0	223.9	186.4	159.2	143.7	130.7	126.9	125.6	124.3	124.3
22.5°	327.5	297.7	244.7	200.6	172.2	154.0	142.4	135.9	134.6	134.6	133.3
25°	366.3	334.0	268.0	216.2	185.1	165.7	152.7	146.3	145.0	146.3	146.3
27.5°	411.6	370.2	292.6	233.0	198.1	174.8	163.1	156.6	156.6	159.2	159.2
30°	460.8	407.8	317.1	249.8	209.7	183.8	172.2	168.3	169.6	170.9	172.2
32.5°	508.7	447.9	340.4	266.7	218.8	191.6	181.2	179.9	181.2	183.8	183.8
35°	564.4	493.2	363.7	280.9	226.5	198.1	189.0	190.3	192.9	195.5	196.8
37.5°	620.1	533.3	387.0	291.3	233.0	204.5	196.8	199.3	201.9	207.1	207.1
40°	673.1	574.7	405.2	300.3	238.2	208.4	201.9	207.1	212.3	214.9	214.9
42.5°	728.8	616.2	424.6	306.8	242.1	212.3	207.1	214.9	220.1	221.4	221.4
45°	785.7	651.1	438.8	312.0	244.7	214.9	211.0	218.8	225.2	226.5	226.5
47.5°	836.2	683.5	449.2	313.3	244.7	216.2	213.6	222.6	229.1	229.1	229.1
50°	889.3	715.8	455.7	314.6	246.0	217.5	214.9	225.2	231.7	230.4	231.7
52.5°	934.6	741.7	458.2	312.0	244.7	216.2	216.2	227.8	234.3	231.7	231.7
55°	974.7	761.2	456.9	308.1	242.1	216.2	216.2	227.8	234.3	231.7	231.7
57.5°	1004.5	772.8	451.8	302.9	239.5	214.9	216.2	227.8	234.3	231.7	231.7
60°	1022.6	774.1	441.4	296.4	235.6	212.3	213.6	226.5	233.0	230.4	230.4
62.5°	1025.2	767.6	428.5	287.4	230.4	209.7	212.3	225.2	231.7	229.1	230.4
65°	1011.0	748.2	411.6	277.0	225.2	205.8	209.7	222.6	229.1	227.8	227.8
67.5°	974.7	714.6	388.3	264.1	217.5	200.6	205.8	217.5	226.5	223.9	223.9
70°	916.5	667.9	363.7	249.8	207.1	194.2	199.3	212.3	220.1	218.8	218.8
72.5°	840.1	612.3	334.0	233.0	196.8	186.4	192.9	204.5	211.0	211.0	209.7
75°	748.2	550.2	301.6	214.9	185.1	177.3	185.1	194.2	199.3	198.1	196.8
77.5°	649.8	482.8	270.5	196.8	172.2	167.0	173.5	183.8	186.4	185.1	182.5
80°	550.2	414.2	239.5	177.3	157.9	154.0	160.5	168.3	170.9	167.0	165.7
82.5°	459.5	345.6	208.4	159.2	143.7	141.1	147.6	152.7	152.7	150.2	146.3
85°	371.5	291.3	182.5	141.1	129.4	128.2	133.3	135.9	134.6	130.7	126.9
87.5°	299.0	238.2	156.6	125.6	115.2	113.9	117.8	119.1	116.5	111.3	108.7
90°	242.1	195.5	134.6	111.3	102.3	102.3	103.6	103.6	99.7	93.2	90.6
92.5°	192.9	160.5	116.5	97.1	91.9	89.3	90.6	89.3	84.1	80.3	76.4
95°	155.3	132.0	101.0	86.7	81.6	79.0	80.3	77.7	71.2	66.0	63.4
97.5°	125.6	108.7	86.7	76.4	72.5	69.9	69.9	66.0	62.1	55.7	53.1
100°	101.0	89.3	75.1	67.3	63.4	62.1	60.8	58.3	53.1	46.6	45.3
102.5°	81.6	75.1	64.7	59.5	57.0	55.7	54.4	50.5	45.3	38.8	38.8
105°	67.3	63.4	57.0	53.1	50.5	49.2	47.9	44.0	38.8	33.7	33.7
107.5°	55.7	53.1	49.2	46.6	45.3	44.0	42.7	38.8	33.7	28.5	29.8
110°	47.9	45.3	42.7	41.4	41.4	40.1	37.5	35.0	29.8	25.9	25.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.1	38.8	37.5	37.5	36.2	35.0	33.7	29.8	25.9	23.3	23.3
115°	35.0	33.7	33.7	33.7	32.4	32.4	29.8	27.2	22.0	20.7	20.7
117.5°	29.8	29.8	29.8	29.8	29.8	28.5	27.2	23.3	19.4	18.1	18.1
120°	27.2	27.2	25.9	25.9	25.9	25.9	23.3	20.7	16.8	16.8	16.8
122.5°	23.3	23.3	23.3	23.3	23.3	22.0	20.7	18.1	15.5	15.5	15.5
125°	20.7	20.7	20.7	22.0	20.7	20.7	18.1	15.5	12.9	14.2	14.2
127.5°	19.4	19.4	19.4	18.1	18.1	18.1	15.5	12.9	11.7	12.9	12.9
130°	16.8	16.8	16.8	16.8	16.8	15.5	14.2	11.7	10.4	11.7	11.7
132.5°	15.5	15.5	15.5	14.2	14.2	12.9	11.7	10.4	9.1	10.4	10.4
135°	12.9	12.9	12.9	12.9	11.7	11.7	10.4	7.8	9.1	9.1	9.1
137.5°	11.7	11.7	11.7	10.4	10.4	9.1	7.8	6.5	7.8	7.8	7.8
140°	10.4	10.4	10.4	9.1	7.8	7.8	6.5	6.5	6.5	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	6.5	5.2	5.2	5.2	6.5	6.5	6.5
145°	6.5	6.5	6.5	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	3.9	3.9	2.6	2.6	3.9	5.2	5.2	5.2
150°	3.9	3.9	3.9	2.6	2.6	1.3	2.6	2.6	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

(END OF REPORT)