

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: P694901

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
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-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3572 lumens  
Efficiency: N/A  
Efficacy: 122.3 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 - G2

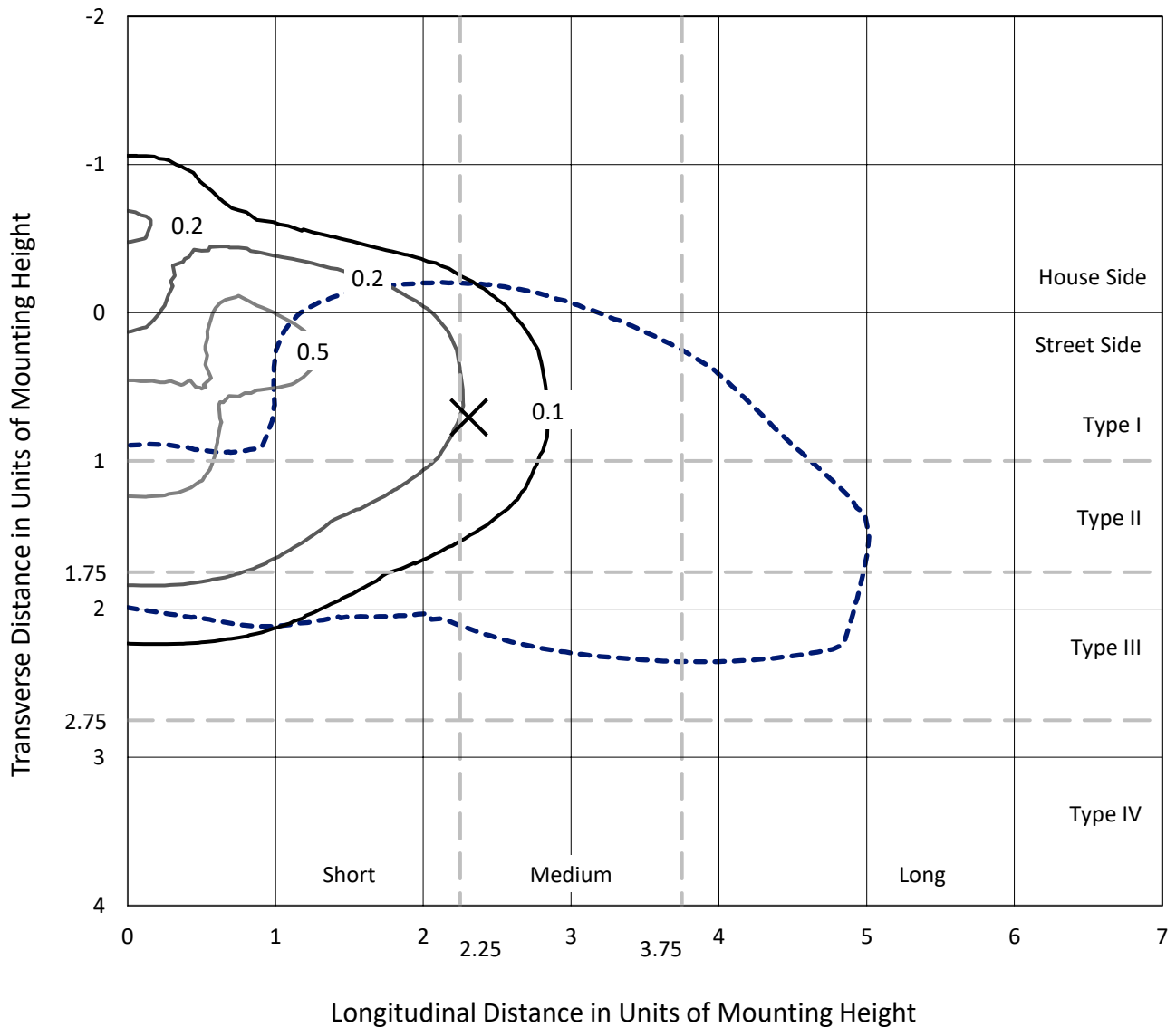
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

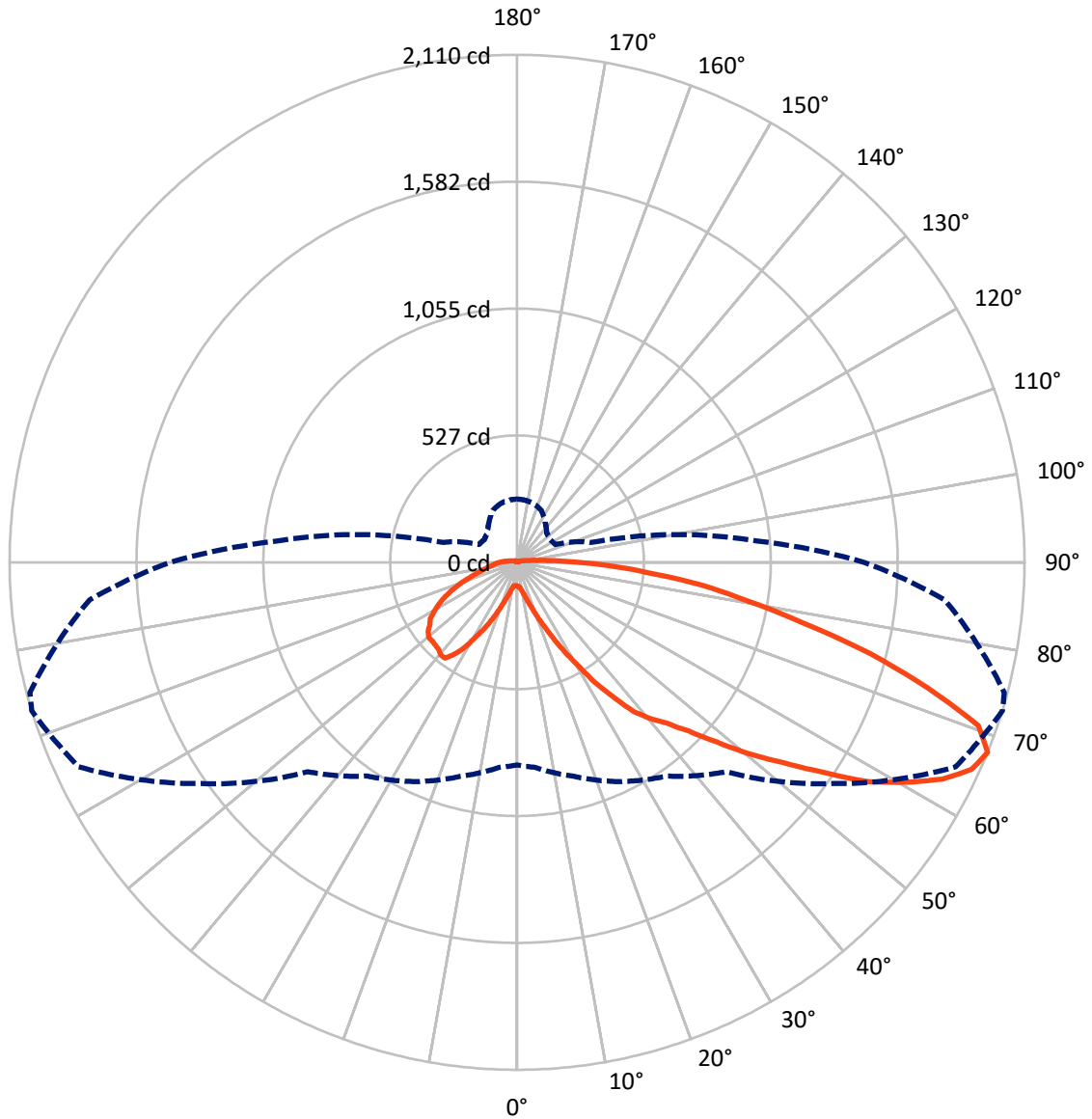
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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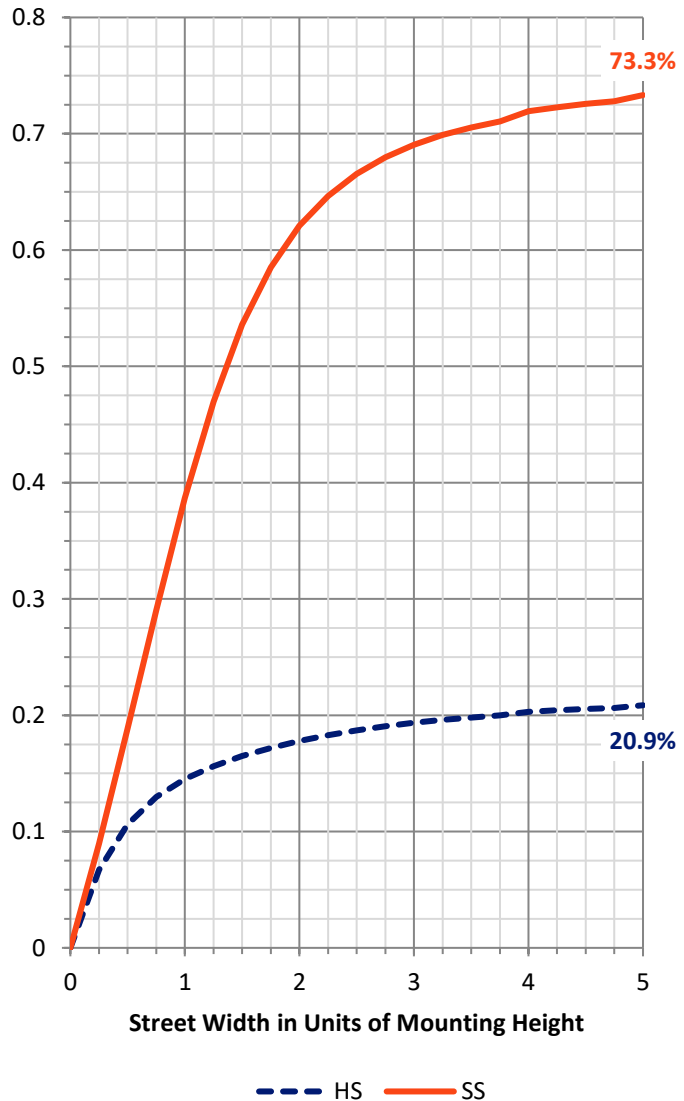
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	781.7	58.4	840.1
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	2672.1	59.9	2731.9
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	3453.8	118.3	3572.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.0	0.3
10°-20°	43.9	1.2
20°-30°	135.1	3.8
30°-40°	311.1	8.7
40°-50°	504.1	14.1
50°-60°	747.8	20.9
60°-70°	870.7	24.4
70°-80°	598.1	16.7
80°-90°	233.0	6.5
90°-100°	66.1	1.9
100°-110°	24.2	0.7
110°-120°	12.4	0.3
120°-130°	7.8	0.2
130°-140°	5.2	0.1
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3453.8	96.7
0°-180°	3572.0	100.0

**Coefficient of Utilization**

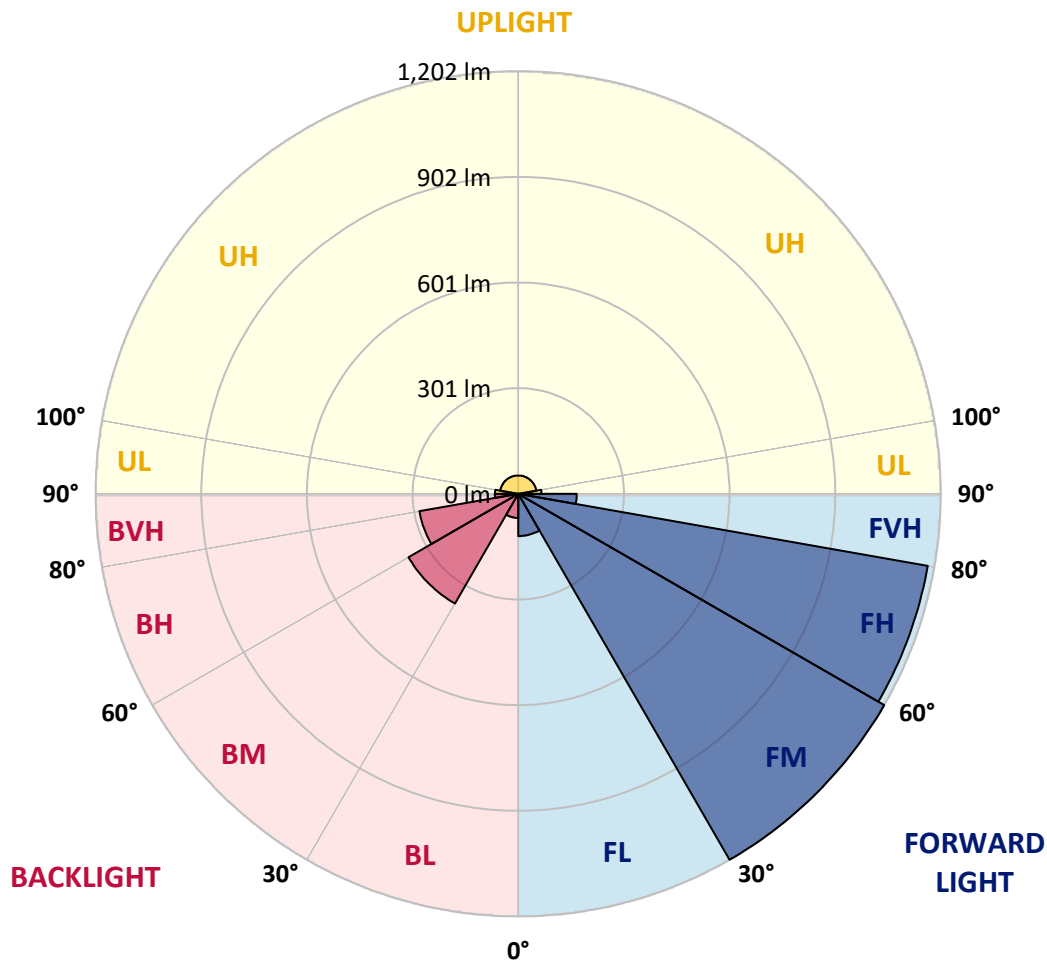


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.3	3.4			
FM (30°-60°)	1202.5	33.7			
FH (60°-80°)	1183.1	33.1			G1/1800
FVH (80°-90°)	166.2	4.7			G2/225
BL (0°-30°)	68.7	1.9	B0/110		
BM (30°-60°)	360.5	10.1	B1/1000		
BH (60°-80°)	285.6	8.0	B1/500		G1/500
BVH (80°-90°)	66.8	1.9			G1/100
UL (90°-100°)	66.1	1.9		U3/500	
UH (100°-180°)	52.2	1.5		U3/500	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	103.5	104.8	104.8	104.8	104.8	103.5	102.3	101.0	101.0	99.7	98.4
5°	116.5	116.5	115.2	115.2	113.9	112.6	110.0	107.4	104.8	104.8	102.3
7.5°	128.1	129.4	129.4	126.8	125.6	123.0	119.1	115.2	112.6	111.3	107.4
10°	146.3	147.6	146.3	143.7	141.1	137.2	132.0	128.1	124.3	121.7	117.8
12.5°	170.9	170.9	169.6	164.4	159.2	155.3	150.1	146.3	141.1	141.1	135.9
15°	200.6	201.9	198.0	194.2	186.4	179.9	173.4	170.9	168.3	168.3	161.8
17.5°	238.2	239.5	234.3	223.9	214.9	209.7	205.8	201.9	199.3	199.3	192.9
20°	293.8	286.1	284.8	262.8	252.4	244.6	242.0	239.5	240.8	238.2	234.3
22.5°	355.9	350.8	343.0	317.1	297.7	286.1	282.2	283.5	287.3	287.3	286.1
25°	429.7	431.0	411.6	379.2	349.5	332.6	331.4	344.3	348.2	350.8	349.5
27.5°	513.9	519.0	488.0	453.0	411.6	383.1	385.7	407.7	420.7	422.0	420.7
30°	622.6	625.2	586.3	532.0	473.7	441.4	449.1	480.2	494.4	499.6	502.2
32.5°	746.8	746.8	702.8	631.6	544.9	499.6	507.4	561.8	595.4	594.1	601.9
35°	865.9	856.9	819.3	728.7	623.9	561.8	581.2	643.3	684.7	692.5	688.6
37.5°	948.8	955.2	920.3	832.3	704.1	626.5	653.7	732.6	787.0	787.0	776.6
40°	1003.1	1010.9	978.5	903.5	783.1	697.7	727.4	812.9	854.3	856.9	819.3
42.5°	1061.4	1067.8	1045.8	968.2	849.1	765.0	792.1	873.7	915.1	913.8	875.0
45°	1126.1	1135.2	1124.8	1045.8	915.1	828.4	851.7	946.2	1000.5	1009.6	959.1
47.5°	1205.0	1211.5	1199.9	1122.2	988.9	893.1	929.3	1044.5	1115.7	1117.0	1058.8
50°	1249.1	1262.0	1280.1	1219.3	1073.0	965.6	1021.2	1168.8	1251.6	1267.2	1189.5
52.5°	1276.2	1290.5	1320.2	1307.3	1179.2	1061.4	1144.2	1311.2	1382.4	1404.4	1291.8
55°	1321.5	1337.1	1369.4	1351.3	1262.0	1171.4	1259.4	1456.2	1539.0	1549.3	1449.7
57.5°	1258.1	1273.6	1361.7	1396.6	1319.0	1267.2	1382.4	1617.9	1720.2	1735.7	1597.2
60°	1201.2	1211.5	1269.8	1369.4	1352.6	1335.8	1514.4	1773.3	1857.4	1862.6	1685.3
62.5°	1095.0	1118.3	1185.6	1267.2	1312.5	1360.4	1610.2	1896.2	1984.2	1993.3	1772.0
65°	947.5	964.3	1039.4	1155.9	1210.2	1320.2	1650.3	1995.9	2076.1	2071.0	1814.7
67.5°	842.6	855.6	921.6	1005.7	1084.7	1230.9	1603.7	2011.4	2109.8	2096.9	1783.6
70°	661.4	676.9	752.0	884.0	946.2	1091.1	1493.7	1949.3	2034.7	2023.1	1642.5
72.5°	526.8	541.0	612.2	723.5	828.4	944.9	1347.4	1751.3	1784.9	1755.1	1383.7
75°	385.7	405.1	453.0	554.0	679.5	816.7	1135.2	1488.5	1515.7	1487.2	1123.5
77.5°	266.6	267.9	310.6	406.4	515.2	688.6	942.3	1236.1	1218.0	1188.2	859.5
80°	170.9	173.4	200.6	262.8	374.1	520.3	761.1	985.0	968.2	955.2	658.8
82.5°	110.0	106.1	129.4	172.1	253.7	378.0	591.5	789.6	771.4	740.4	498.3
85°	69.9	72.5	85.4	112.6	173.4	275.7	441.4	565.6	542.3	513.9	340.4
87.5°	53.1	54.4	62.1	80.3	117.8	194.2	301.6	393.5	378.0	350.8	229.1
90°	40.1	41.4	46.6	58.2	81.5	132.0	200.6	247.2	229.1	214.9	147.6
92.5°	28.5	29.8	34.9	44.0	60.8	91.9	129.4	145.0	134.6	129.4	95.8
95°	20.7	22.0	25.9	32.4	45.3	63.4	81.5	88.0	81.5	79.0	67.3
97.5°	16.8	18.1	19.4	24.6	34.9	46.6	55.7	57.0	55.7	53.1	50.5
100°	14.2	14.2	16.8	19.4	27.2	37.5	41.4	41.4	41.4	41.4	38.8
102.5°	11.6	11.6	14.2	16.8	22.0	29.8	32.4	32.4	31.1	32.4	31.1
105°	10.4	10.4	11.6	14.2	19.4	24.6	25.9	24.6	24.6	24.6	24.6
107.5°	9.1	9.1	10.4	12.9	16.8	20.7	22.0	20.7	19.4	19.4	20.7
110°	7.8	7.8	9.1	10.4	14.2	18.1	18.1	15.5	15.5	15.5	16.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	7.8	7.8	9.1	10.4	12.9	15.5	14.2	12.9	12.9	12.9	14.2
115°	7.8	7.8	7.8	9.1	11.6	12.9	12.9	11.6	10.4	11.6	12.9
117.5°	7.8	7.8	7.8	9.1	10.4	11.6	11.6	10.4	9.1	10.4	11.6
120°	7.8	7.8	7.8	9.1	10.4	10.4	10.4	9.1	9.1	9.1	10.4
122.5°	6.5	6.5	7.8	7.8	9.1	9.1	9.1	7.8	7.8	7.8	10.4
125°	6.5	6.5	7.8	7.8	9.1	9.1	7.8	7.8	7.8	7.8	9.1
127.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.5	7.8	7.8	9.1
130°	7.8	7.8	7.8	7.8	7.8	7.8	6.5	6.5	7.8	7.8	9.1
132.5°	7.8	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5	7.8	7.8
135°	7.8	7.8	7.8	7.8	6.5	6.5	5.2	6.5	6.5	6.5	7.8
137.5°	6.5	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5
140°	6.5	5.2	5.2	5.2	5.2	5.2	3.9	3.9	5.2	5.2	6.5
142.5°	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2	5.2
145°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9
147.5°	3.9	2.6	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	98.4	97.1	97.1	95.8	94.5	94.5	93.2	93.2	93.2	93.2	91.9
5°	101.0	99.7	97.1	94.5	91.9	90.6	89.3	88.0	86.7	86.7	86.7
7.5°	104.8	103.5	99.7	95.8	91.9	88.0	85.4	84.1	82.8	81.5	81.5
10°	115.2	111.3	104.8	98.4	93.2	88.0	84.1	81.5	80.3	79.0	79.0
12.5°	129.4	128.1	117.8	107.4	98.4	90.6	85.4	84.1	82.8	82.8	81.5
15°	156.6	151.4	139.8	123.0	108.7	97.1	93.2	91.9	94.5	94.5	95.8
17.5°	186.4	179.9	164.4	143.7	124.3	111.3	106.1	107.4	110.0	112.6	112.6
20°	225.2	218.7	198.0	168.3	145.0	129.4	123.0	123.0	128.1	132.0	132.0
22.5°	278.3	266.6	236.9	196.7	165.7	147.6	138.5	137.2	143.7	147.6	147.6
25°	340.4	323.6	284.8	231.7	187.7	161.8	151.4	152.7	160.5	167.0	167.0
27.5°	405.1	387.0	332.6	264.0	208.4	172.1	163.1	168.3	178.6	185.1	186.4
30°	484.1	459.5	383.1	296.4	223.9	181.2	172.1	179.9	192.9	201.9	203.2
32.5°	573.4	542.3	446.6	328.8	235.6	186.4	177.3	192.9	208.4	221.3	221.3
35°	658.8	617.4	493.2	353.4	242.0	187.7	182.5	201.9	220.0	231.7	231.7
37.5°	735.2	682.1	532.0	366.3	242.0	187.7	183.8	205.8	222.6	230.4	229.1
40°	765.0	701.5	533.3	359.8	238.2	185.1	182.5	203.2	216.2	218.7	216.2
42.5°	810.3	732.6	524.2	337.8	225.2	181.2	178.6	194.2	201.9	201.9	199.3
45°	880.2	780.5	525.5	315.8	211.0	173.4	172.1	186.4	195.4	198.0	195.4
47.5°	965.6	840.0	526.8	296.4	198.0	167.0	168.3	185.1	194.2	191.6	190.3
50°	1078.2	919.0	533.3	278.3	190.3	161.8	168.3	186.4	192.9	187.7	185.1
52.5°	1161.0	965.6	521.6	261.5	185.1	160.5	170.9	189.0	192.9	185.1	185.1
55°	1282.7	1030.3	497.0	239.5	179.9	161.8	173.4	191.6	192.9	186.4	185.1
57.5°	1390.1	1088.6	482.8	220.0	174.7	164.4	177.3	195.4	198.0	194.2	192.9
60°	1439.3	1102.8	445.3	207.1	170.9	167.0	182.5	201.9	211.0	208.4	209.7
62.5°	1498.9	1105.4	409.0	195.4	169.6	169.6	189.0	214.9	226.5	226.5	227.8
65°	1495.0	1071.7	366.3	185.1	168.3	172.1	196.7	226.5	240.8	244.6	245.9
67.5°	1443.2	1005.7	319.7	174.7	165.7	173.4	203.2	238.2	255.0	261.5	262.8
70°	1282.7	882.8	273.1	165.7	160.5	170.9	204.5	244.6	261.5	267.9	269.2
72.5°	1052.3	700.2	222.6	152.7	151.4	163.1	199.3	240.8	253.7	256.3	258.9
75°	840.0	555.3	185.1	138.5	138.5	150.1	185.1	221.3	230.4	233.0	229.1
77.5°	629.1	420.7	154.0	125.6	125.6	137.2	167.0	195.4	203.2	201.9	203.2
80°	476.3	318.4	130.7	112.6	112.6	121.7	148.9	173.4	179.9	177.3	176.0
82.5°	357.2	238.2	113.9	101.0	101.0	108.7	129.4	150.1	155.3	155.3	151.4
85°	244.6	170.9	99.7	89.3	89.3	95.8	111.3	126.8	134.6	133.3	130.7
87.5°	170.9	129.4	88.0	80.3	79.0	84.1	95.8	110.0	119.1	120.4	117.8
90°	117.8	97.1	76.4	68.6	68.6	72.5	82.8	94.5	103.5	104.8	102.3
92.5°	82.8	73.8	63.4	58.2	57.0	62.1	68.6	76.4	81.5	81.5	82.8
95°	60.8	57.0	50.5	45.3	45.3	50.5	54.4	55.7	59.5	59.5	58.2
97.5°	46.6	45.3	41.4	36.2	34.9	40.1	41.4	42.7	45.3	44.0	42.7
100°	38.8	37.5	33.7	29.8	28.5	32.4	33.7	34.9	37.5	34.9	34.9
102.5°	31.1	31.1	28.5	24.6	24.6	27.2	28.5	29.8	31.1	29.8	28.5
105°	25.9	25.9	24.6	22.0	20.7	23.3	24.6	24.6	25.9	24.6	24.6
107.5°	20.7	22.0	20.7	18.1	18.1	19.4	20.7	20.7	20.7	20.7	20.7
110°	18.1	18.1	18.1	15.5	16.8	18.1	18.1	18.1	18.1	18.1	18.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	15.5	14.2	14.2	15.5	15.5	15.5	15.5	15.5	15.5
115°	14.2	14.2	14.2	12.9	12.9	14.2	12.9	12.9	12.9	14.2	14.2
117.5°	12.9	12.9	12.9	11.6	11.6	11.6	11.6	11.6	11.6	12.9	12.9
120°	11.6	11.6	11.6	10.4	10.4	10.4	10.4	10.4	10.4	11.6	11.6
122.5°	10.4	10.4	10.4	10.4	9.1	10.4	9.1	9.1	9.1	10.4	10.4
125°	9.1	10.4	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	10.4
127.5°	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8	7.8	9.1	9.1
130°	9.1	9.1	9.1	7.8	7.8	7.8	6.5	6.5	7.8	7.8	9.1
132.5°	9.1	9.1	7.8	7.8	6.5	6.5	6.5	6.5	7.8	7.8	7.8
135°	7.8	7.8	7.8	6.5	6.5	6.5	5.2	6.5	6.5	7.8	7.8
137.5°	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5	6.5
140°	6.5	6.5	5.2	5.2	5.2	3.9	3.9	5.2	5.2	6.5	6.5
142.5°	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
145°	3.9	3.9	3.9	3.9	2.6	2.6	3.9	3.9	3.9	5.2	5.2
147.5°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	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)