

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: P695222

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3469.1 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U2 - G1

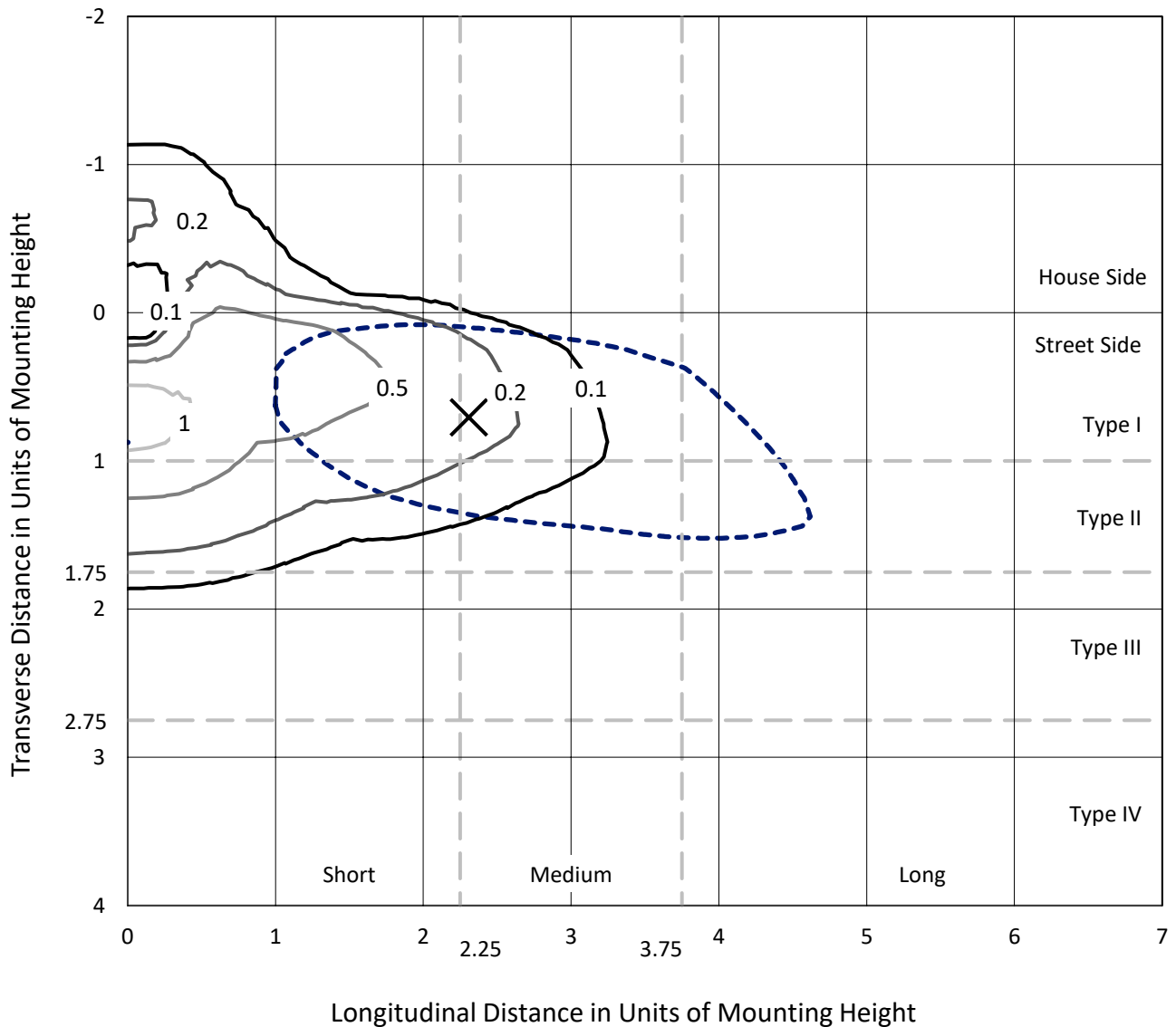
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

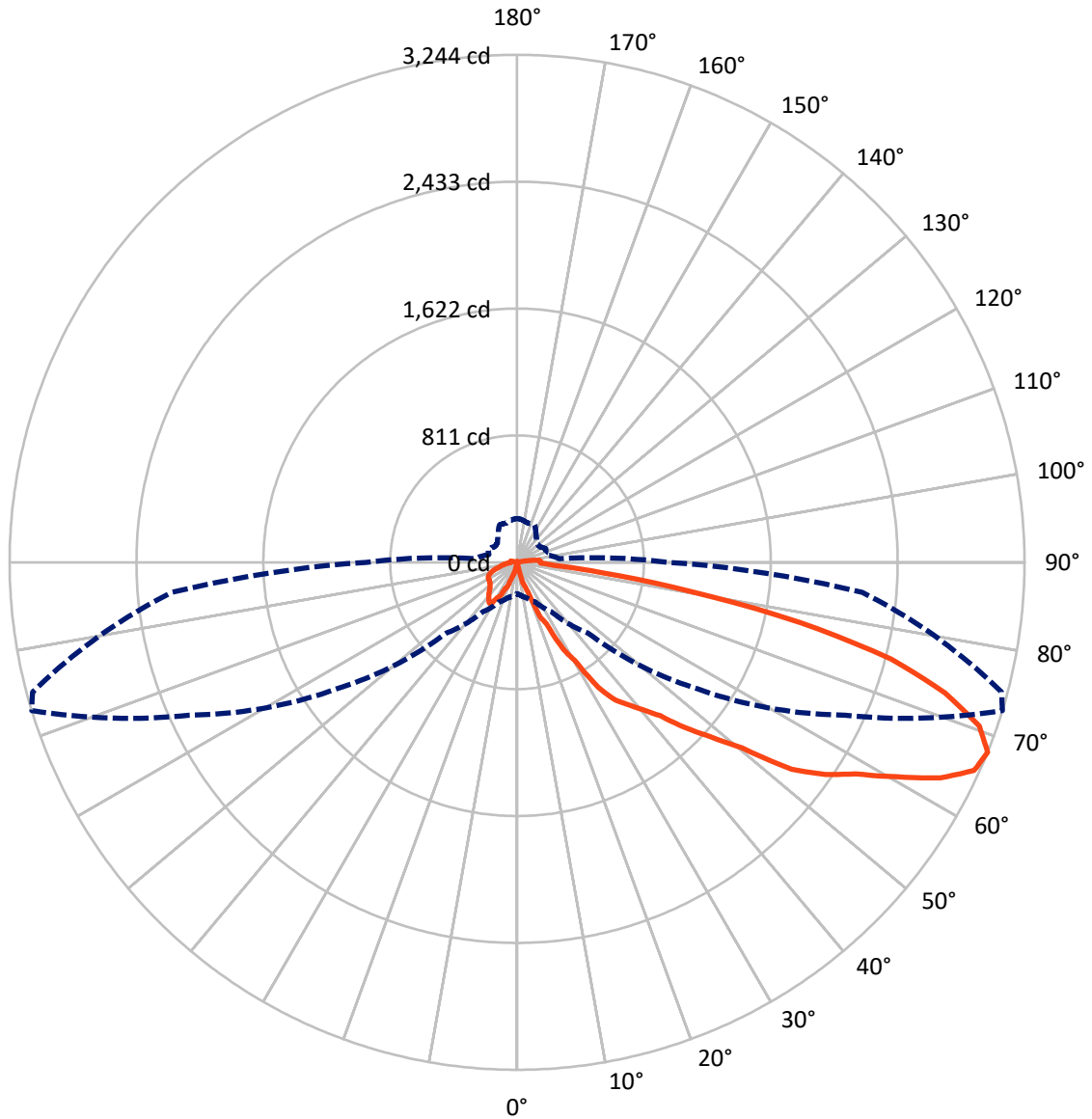
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - 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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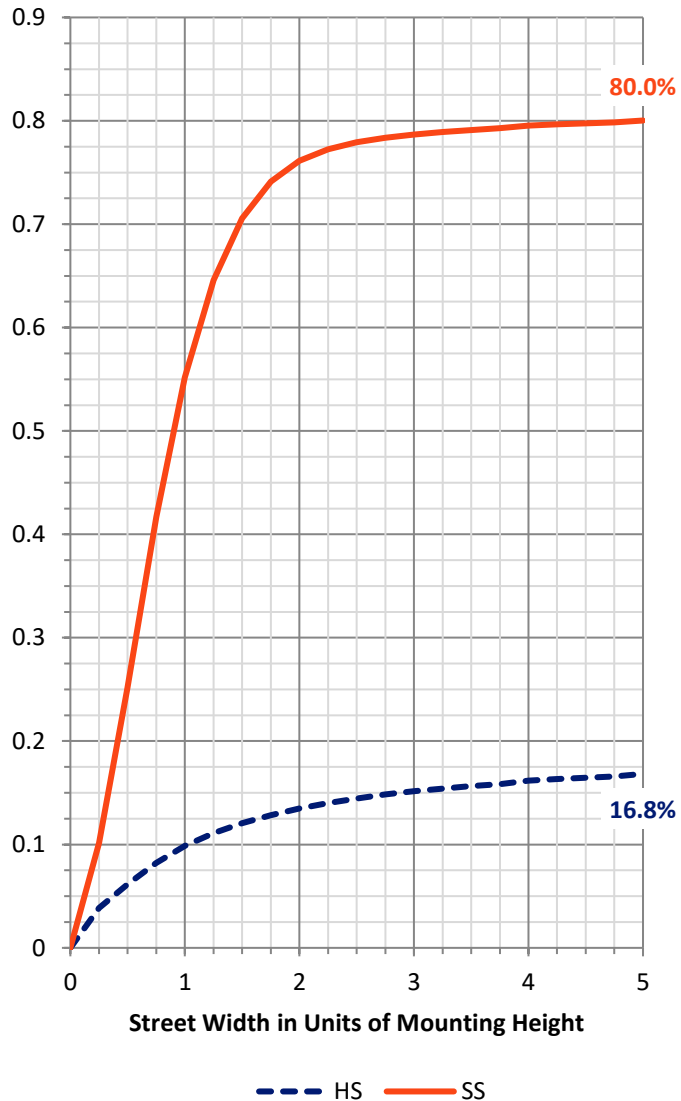
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	613.3	26.1	639.4
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	2797.6	32.1	2829.7
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	3410.8	58.3	3469.1
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	28.1	0.8
20°-30°	173.6	5.0
30°-40°	436.8	12.6
40°-50°	630.8	18.2
50°-60°	771.4	22.2
60°-70°	760.5	21.9
70°-80°	478.5	13.8
80°-90°	130.8	3.8
90°-100°	38.0	1.1
100°-110°	8.2	0.2
110°-120°	4.2	0.1
120°-130°	3.5	0.1
130°-140°	2.4	0.1
140°-150°	1.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3410.8	98.3
0°-180°	3469.1	100.0

**Coefficient of Utilization**

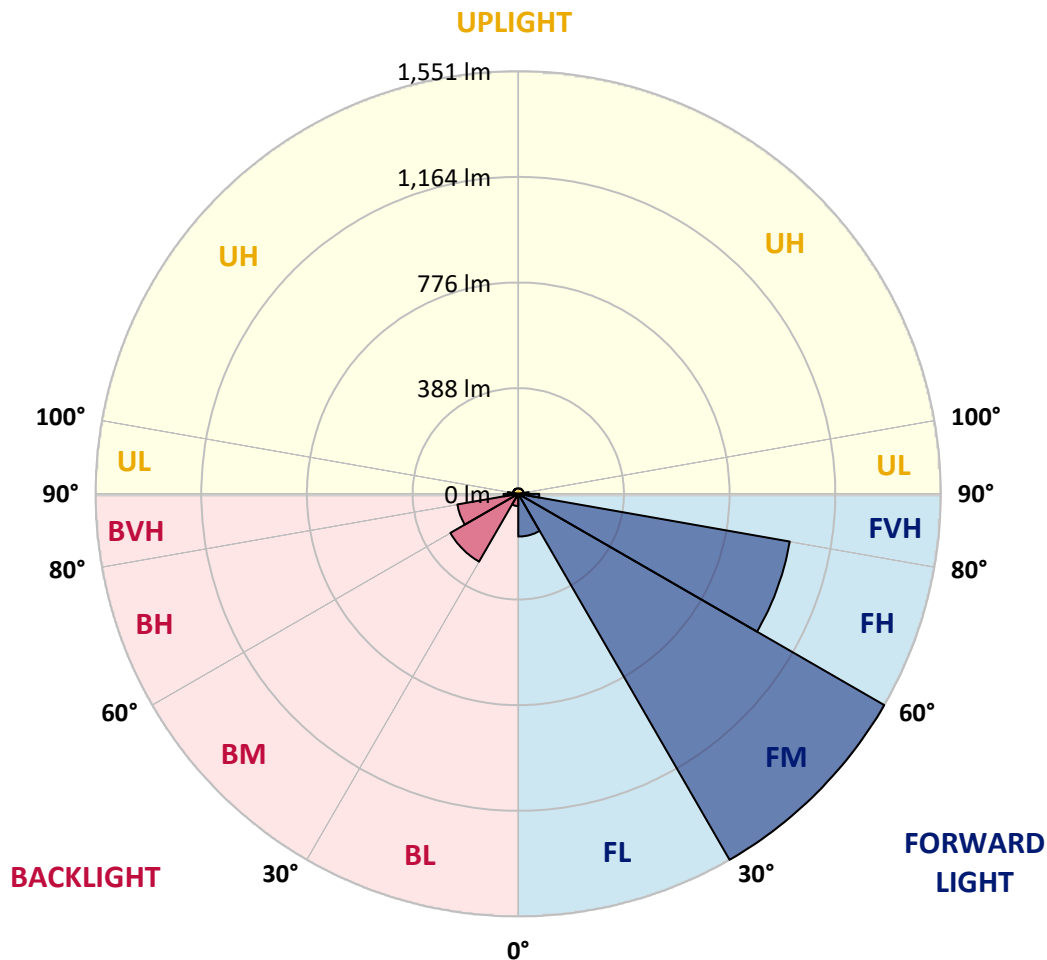


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.0	4.5			
FM (30°-60°)	1551.3	44.7			
FH (60°-80°)	1012.2	29.2			G1/1800
FVH (80°-90°)	77.1	2.2			G1/100
BL (0°-30°)	45.0	1.3	B0/110		
BM (30°-60°)	287.6	8.3	B1/1000		
BH (60°-80°)	226.8	6.5	B1/500		G1/500
BVH (80°-90°)	53.7	1.5			G1/100
UL (90°-100°)	38.0	1.1		U2/50	
UH (100°-180°)	20.2	0.6		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5
5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5
7.5°	4.9	6.2	4.9	4.9	4.9	4.9	4.9	3.7	2.5	2.5	2.5
10°	20.9	19.7	13.6	12.3	7.4	6.2	4.9	3.7	3.7	3.7	3.7
12.5°	165.1	163.8	160.1	144.1	24.6	12.3	7.4	9.9	13.6	16.0	18.5
15°	189.7	192.2	188.5	184.8	178.6	59.1	25.9	142.9	133.0	128.1	98.5
17.5°	342.5	256.2	225.4	220.5	207.0	173.7	157.7	174.9	158.9	154.0	119.5
20°	470.6	468.1	459.5	443.5	248.8	316.6	303.0	205.7	208.2	220.5	235.3
22.5°	526.0	523.5	512.4	495.2	517.4	364.6	343.7	381.9	378.2	367.1	284.6
25°	862.3	851.2	790.8	576.5	577.7	508.8	527.2	491.5	433.6	422.5	331.4
27.5°	935.0	941.1	926.3	841.4	661.5	677.5	579.0	565.4	630.7	649.2	501.4
30°	1250.3	1279.9	1138.2	959.6	867.2	740.3	709.5	776.1	729.3	708.3	548.2
32.5°	1461.0	1447.4	1420.3	1197.4	984.2	886.9	885.7	856.1	954.7	952.2	769.9
35°	1544.7	1533.7	1506.5	1311.9	1132.1	1040.9	963.3	1064.3	1080.3	1039.7	821.6
37.5°	1607.6	1595.2	1563.2	1353.8	1250.3	1103.7	1135.8	1140.7	1155.5	1146.9	867.2
40°	1611.3	1603.9	1581.7	1412.9	1315.6	1153.0	1230.6	1241.7	1238.0	1260.2	925.1
42.5°	1597.7	1582.9	1569.4	1424.0	1350.1	1191.2	1303.3	1367.4	1340.3	1372.3	992.9
45°	1544.7	1527.5	1521.3	1424.0	1345.2	1217.1	1388.3	1485.6	1506.5	1478.2	1066.8
47.5°	1454.8	1451.1	1453.6	1390.8	1340.3	1246.6	1469.6	1575.5	1666.7	1622.3	1175.2
50°	1363.7	1369.8	1387.1	1352.6	1325.5	1263.9	1573.1	1730.7	1865.0	1804.7	1337.8
52.5°	1219.5	1228.2	1277.4	1291.0	1283.6	1262.6	1653.1	1940.2	2197.6	2113.9	1506.5
55°	1087.7	1092.6	1125.9	1175.2	1203.5	1236.8	1685.2	2032.5	2393.5	2298.6	1616.2
57.5°	937.4	927.6	970.7	1042.1	1106.2	1201.1	1718.4	2105.2	2551.2	2499.4	1759.1
60°	758.8	737.9	800.7	867.2	964.5	1127.1	1739.4	2230.9	2782.7	2753.2	1967.3
62.5°	511.2	521.1	583.9	673.8	809.3	1002.7	1716.0	2345.4	3034.0	3016.8	2141.0
65°	321.5	335.1	375.7	453.3	591.3	843.8	1617.4	2399.6	3209.0	3179.4	2240.7
67.5°	200.8	209.4	235.3	282.1	388.0	639.3	1412.9	2312.2	3243.5	3205.3	2216.1
70°	166.3	168.8	172.5	183.5	239.0	442.2	1123.4	2085.5	3133.8	3140.0	2113.9
72.5°	149.1	151.5	151.5	150.3	154.0	277.2	800.7	1768.9	2860.4	2860.4	1910.6
75°	136.7	138.0	134.3	133.0	130.6	172.5	489.0	1401.8	2469.9	2423.0	1596.5
77.5°	120.7	123.2	119.5	119.5	118.3	131.8	283.3	1069.2	1850.2	1771.4	1076.6
80°	103.5	103.5	103.5	103.5	104.7	104.7	177.4	734.2	1114.8	1027.4	581.4
82.5°	82.5	81.3	83.8	88.7	86.2	80.1	136.7	427.5	540.8	490.3	287.0
85°	32.0	39.4	45.6	55.4	57.9	55.4	104.7	210.6	230.4	246.4	177.4
87.5°	18.5	18.5	14.8	14.8	16.0	22.2	65.3	126.9	149.1	167.5	156.4
90°	19.7	19.7	14.8	13.6	13.6	18.5	56.7	115.8	151.5	168.8	158.9
92.5°	20.9	20.9	14.8	13.6	13.6	14.8	46.8	103.5	150.3	172.5	155.2
95°	18.5	19.7	13.6	12.3	13.6	13.6	34.5	82.5	139.2	141.7	145.4
97.5°	12.3	13.6	8.6	9.9	12.3	11.1	18.5	48.0	73.9	56.7	67.8
100°	7.4	8.6	6.2	7.4	8.6	8.6	9.9	20.9	18.5	12.3	12.3
102.5°	7.4	7.4	4.9	6.2	6.2	4.9	4.9	8.6	7.4	7.4	12.3
105°	7.4	7.4	4.9	4.9	3.7	3.7	3.7	6.2	6.2	7.4	12.3
107.5°	4.9	6.2	3.7	3.7	3.7	3.7	2.5	3.7	6.2	6.2	13.6
110°	3.7	3.7	2.5	2.5	2.5	3.7	2.5	3.7	4.9	6.2	9.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.5	3.7	2.5	2.5	2.5	2.5	2.5	3.7	4.9	4.9	6.2
115°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	4.9	7.4
117.5°	3.7	3.7	2.5	2.5	1.2	2.5	2.5	2.5	3.7	4.9	7.4
120°	3.7	3.7	2.5	2.5	1.2	1.2	2.5	2.5	4.9	4.9	7.4
122.5°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	3.7	4.9	7.4
125°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	3.7	4.9	6.2
127.5°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	3.7	3.7	6.2
130°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	3.7	3.7	6.2
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	4.9
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5
145°	4.9	4.9	4.9	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	4.9	4.9	4.9	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5
150°	4.9	6.2	4.9	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5
7.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5
10°	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	1.2
12.5°	18.5	18.5	13.6	6.2	2.5	1.2	1.2	1.2	3.7	3.7	3.7
15°	89.9	81.3	72.7	64.1	17.2	2.5	2.5	11.1	41.9	59.1	61.6
17.5°	104.7	94.9	85.0	77.6	69.0	25.9	28.3	73.9	76.4	77.6	76.4
20°	202.0	179.8	117.0	88.7	76.4	80.1	70.2	78.8	85.0	87.5	87.5
22.5°	240.2	207.0	177.4	155.2	91.2	109.6	102.2	91.2	141.7	145.4	146.6
25°	278.4	235.3	190.9	165.1	158.9	113.3	120.7	139.2	150.3	152.7	151.5
27.5°	406.5	335.1	267.3	178.6	168.8	141.7	151.5	146.6	160.1	195.9	199.6
30°	437.3	348.6	272.2	216.8	177.4	166.3	156.4	190.9	207.0	207.0	208.2
32.5°	606.1	465.6	335.1	216.8	195.9	167.5	187.2	199.6	209.4	224.2	219.3
35°	634.4	470.6	331.4	251.3	195.9	176.2	193.4	205.7	251.3	256.2	255.0
37.5°	657.8	465.6	312.9	243.9	211.9	187.2	197.1	235.3	253.8	252.5	250.1
40°	683.7	458.2	294.4	239.0	210.6	188.5	210.6	236.5	247.6	241.4	235.3
42.5°	713.2	447.2	278.4	227.9	205.7	189.7	211.9	230.4	229.1	225.4	221.7
45°	751.4	434.8	259.9	218.0	203.3	187.2	208.2	214.3	223.0	220.5	218.0
47.5°	808.1	422.5	243.9	209.4	200.8	183.5	210.6	218.0	225.4	219.3	218.0
50°	891.9	405.3	230.4	207.0	199.6	194.6	193.4	224.2	230.4	215.6	213.1
52.5°	948.5	385.6	223.0	204.5	195.9	189.7	205.7	221.7	227.9	210.6	209.4
55°	986.7	357.2	216.8	204.5	193.4	178.6	223.0	226.7	226.7	207.0	204.5
57.5°	1028.6	337.5	213.1	208.2	192.2	166.3	232.8	231.6	226.7	200.8	202.0
60°	1089.0	325.2	209.4	211.9	192.2	170.0	229.1	242.7	226.7	204.5	211.9
62.5°	1123.4	312.9	207.0	213.1	189.7	170.0	221.7	258.7	245.1	229.1	230.4
65°	1075.4	296.9	199.6	211.9	186.0	173.7	214.3	264.8	262.4	255.0	256.2
67.5°	965.8	269.8	186.0	203.3	173.7	176.2	210.6	264.8	259.9	275.9	279.6
70°	843.8	237.7	166.3	188.5	165.1	173.7	219.3	256.2	256.2	285.8	291.9
72.5°	714.5	194.6	144.1	172.5	165.1	168.8	229.1	246.4	246.4	285.8	284.6
75°	586.4	155.2	120.7	147.8	152.7	168.8	227.9	235.3	229.1	261.2	255.0
77.5°	428.7	123.2	103.5	124.4	138.0	168.8	220.5	219.3	209.4	224.2	221.7
80°	263.6	97.3	87.5	105.9	115.8	161.4	208.2	199.6	182.3	189.7	187.2
82.5°	152.7	72.7	73.9	89.9	92.4	147.8	188.5	173.7	155.2	158.9	155.2
85°	98.5	46.8	57.9	69.0	72.7	120.7	161.4	146.6	125.6	162.6	155.2
87.5°	76.4	27.1	39.4	45.6	44.3	53.0	92.4	87.5	86.2	70.2	67.8
90°	71.4	23.4	39.4	39.4	32.0	25.9	35.7	37.0	30.8	33.3	29.6
92.5°	64.1	23.4	41.9	39.4	28.3	20.9	29.6	29.6	23.4	22.2	20.9
95°	53.0	20.9	44.3	40.7	25.9	18.5	24.6	23.4	18.5	17.2	16.0
97.5°	28.3	13.6	41.9	37.0	23.4	17.2	22.2	19.7	13.6	12.3	11.1
100°	9.9	8.6	40.7	32.0	19.7	13.6	16.0	14.8	8.6	7.4	6.2
102.5°	8.6	7.4	23.4	23.4	12.3	7.4	9.9	9.9	7.4	6.2	6.2
105°	9.9	7.4	8.6	12.3	6.2	3.7	4.9	6.2	6.2	7.4	7.4
107.5°	9.9	7.4	6.2	6.2	4.9	3.7	3.7	3.7	6.2	7.4	7.4
110°	8.6	7.4	4.9	6.2	4.9	3.7	3.7	3.7	6.2	8.6	8.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7	6.2	8.6	9.9
115°	6.2	6.2	3.7	3.7	3.7	3.7	2.5	3.7	6.2	9.9	11.1
117.5°	7.4	6.2	3.7	3.7	2.5	2.5	2.5	3.7	7.4	11.1	12.3
120°	7.4	6.2	3.7	3.7	2.5	2.5	2.5	3.7	7.4	12.3	12.3
122.5°	7.4	6.2	3.7	3.7	2.5	2.5	2.5	3.7	7.4	12.3	12.3
125°	6.2	6.2	3.7	3.7	2.5	2.5	2.5	3.7	7.4	12.3	12.3
127.5°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	3.7	7.4	11.1	12.3
130°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	3.7	7.4	11.1	11.1
132.5°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	3.7	6.2	9.9	9.9
135°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	3.7	4.9	7.4	7.4
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	4.9	4.9
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
142.5°	2.5	2.5	2.5	2.5	2.5	1.2	2.5	2.5	3.7	3.7	3.7
145°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	2.5
147.5°	2.5	2.5	2.5	2.5	1.2	1.2	1.2	2.5	3.7	3.7	2.5
150°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	3.7	3.7	2.5
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

(END OF REPORT)