

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: P695502

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-827-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4431.1 lumens  
Efficiency: N/A  
Efficacy: 83.4 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

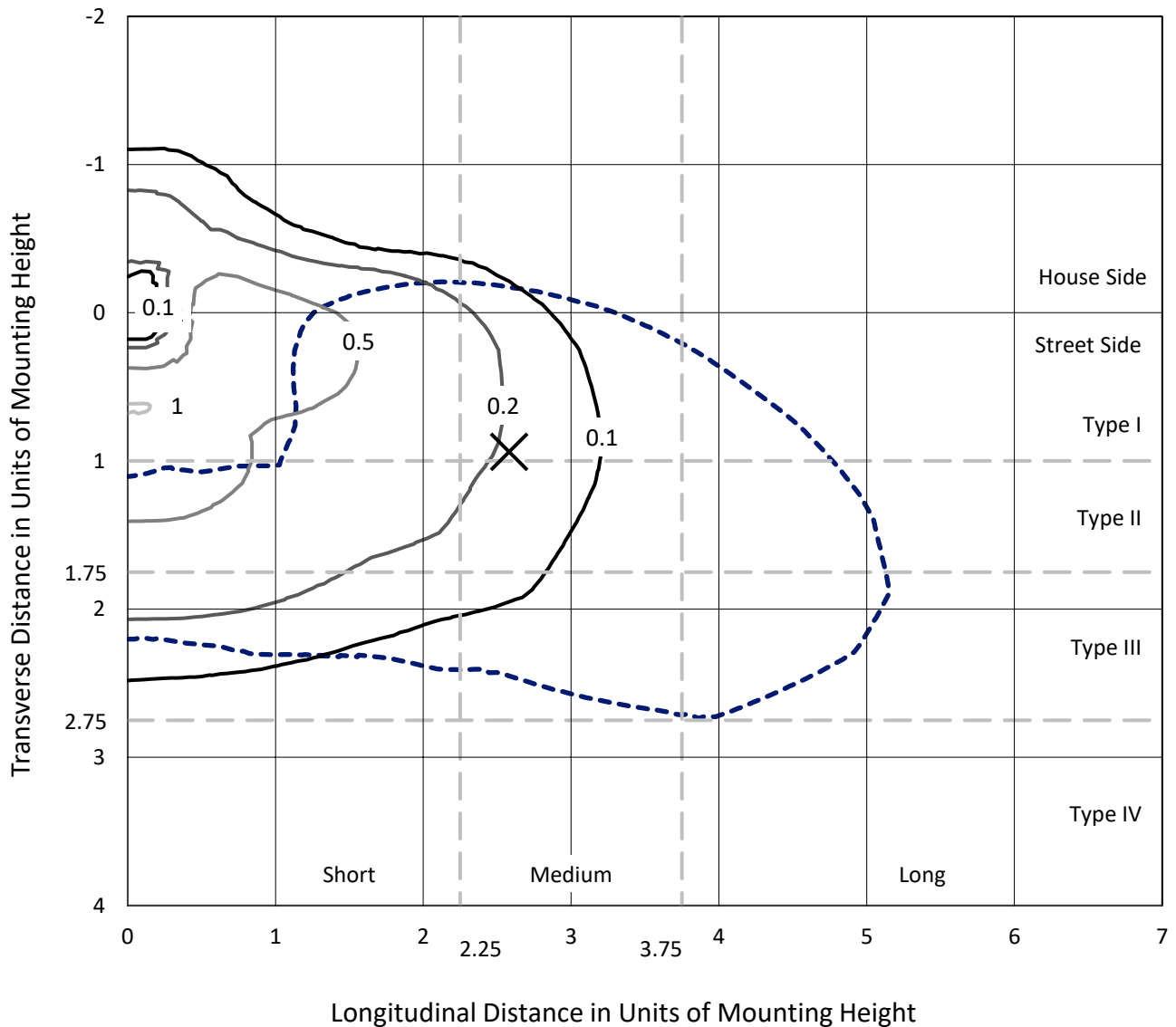
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

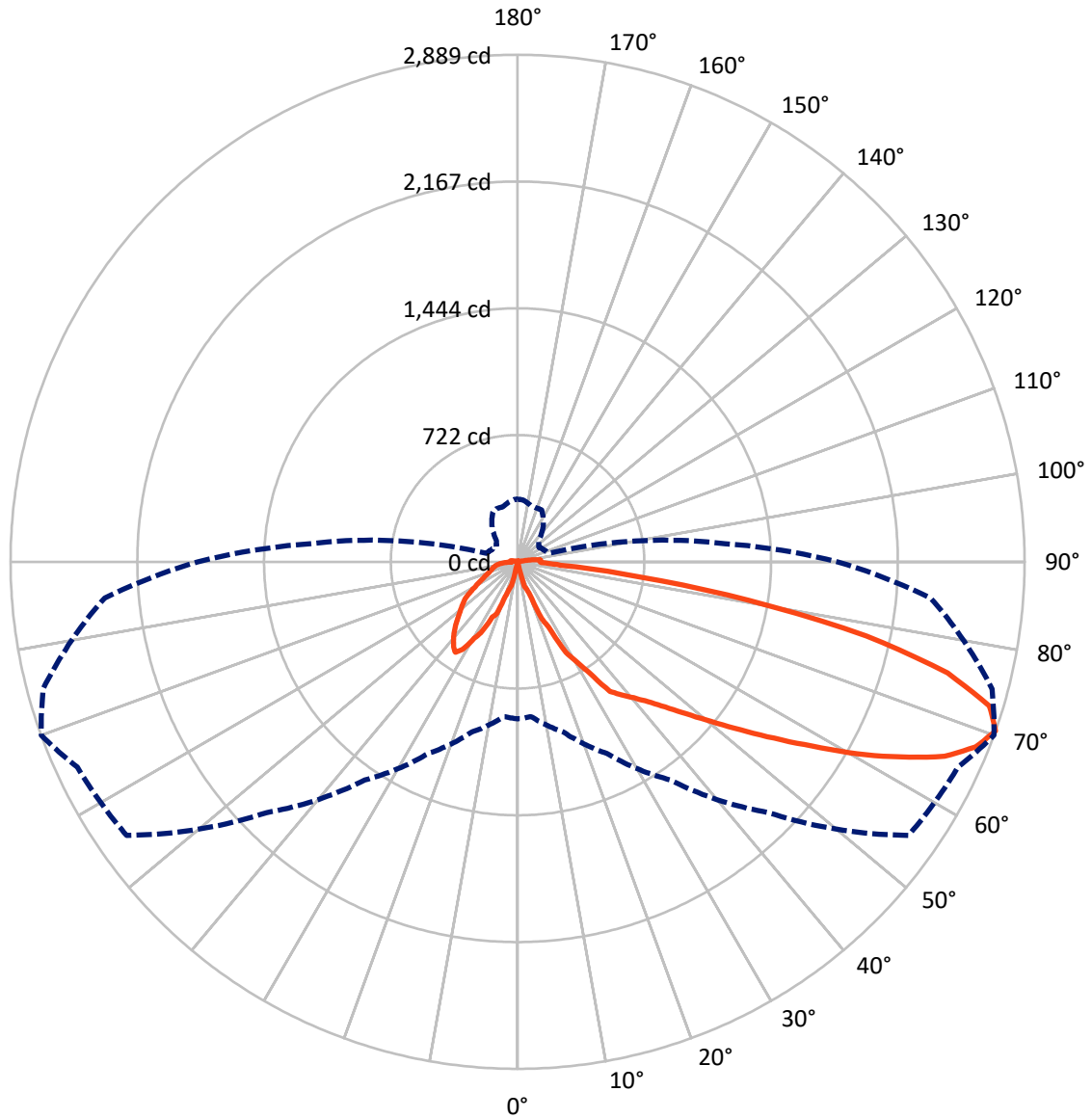
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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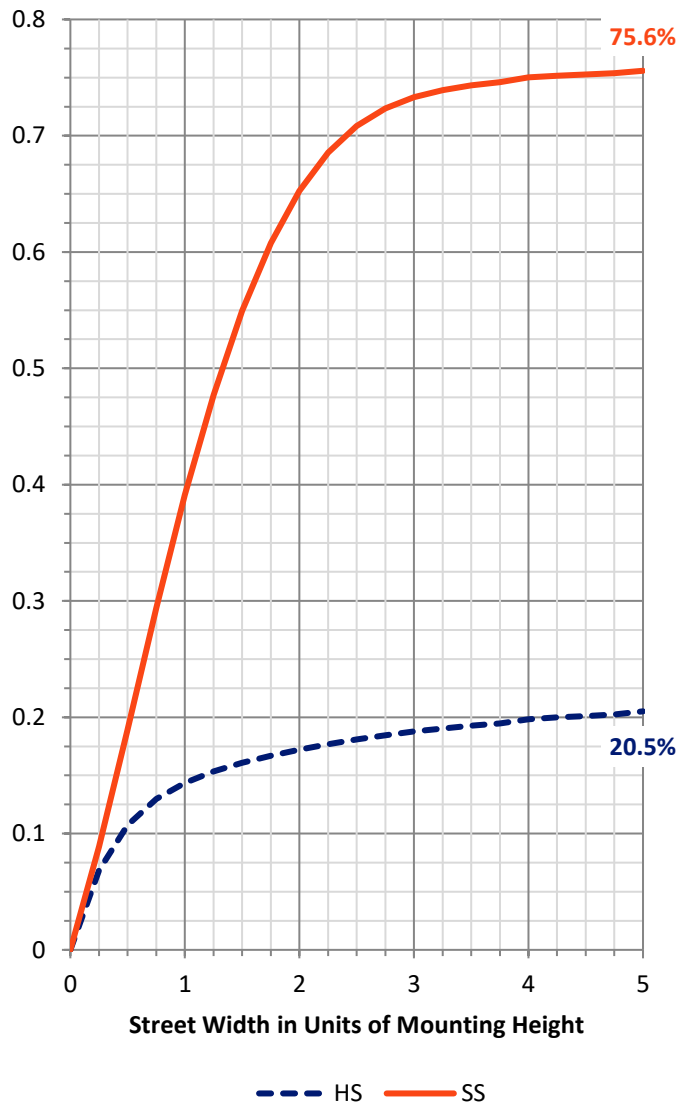
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	964.2	47.8	1012.0
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	3377.0	42.1	3419.1
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	4341.2	89.9	4431.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	31.6	0.7
20°-30°	181.0	4.1
30°-40°	417.9	9.4
40°-50°	612.2	13.8
50°-60°	905.5	20.4
60°-70°	1187.6	26.8
70°-80°	806.5	18.2
80°-90°	198.4	4.5
90°-100°	65.2	1.5
100°-110°	11.7	0.3
110°-120°	4.6	0.1
120°-130°	3.7	0.1
130°-140°	2.6	0.1
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4341.2	98.0
0°-180°	4431.1	100.0

**Coefficient of Utilization**

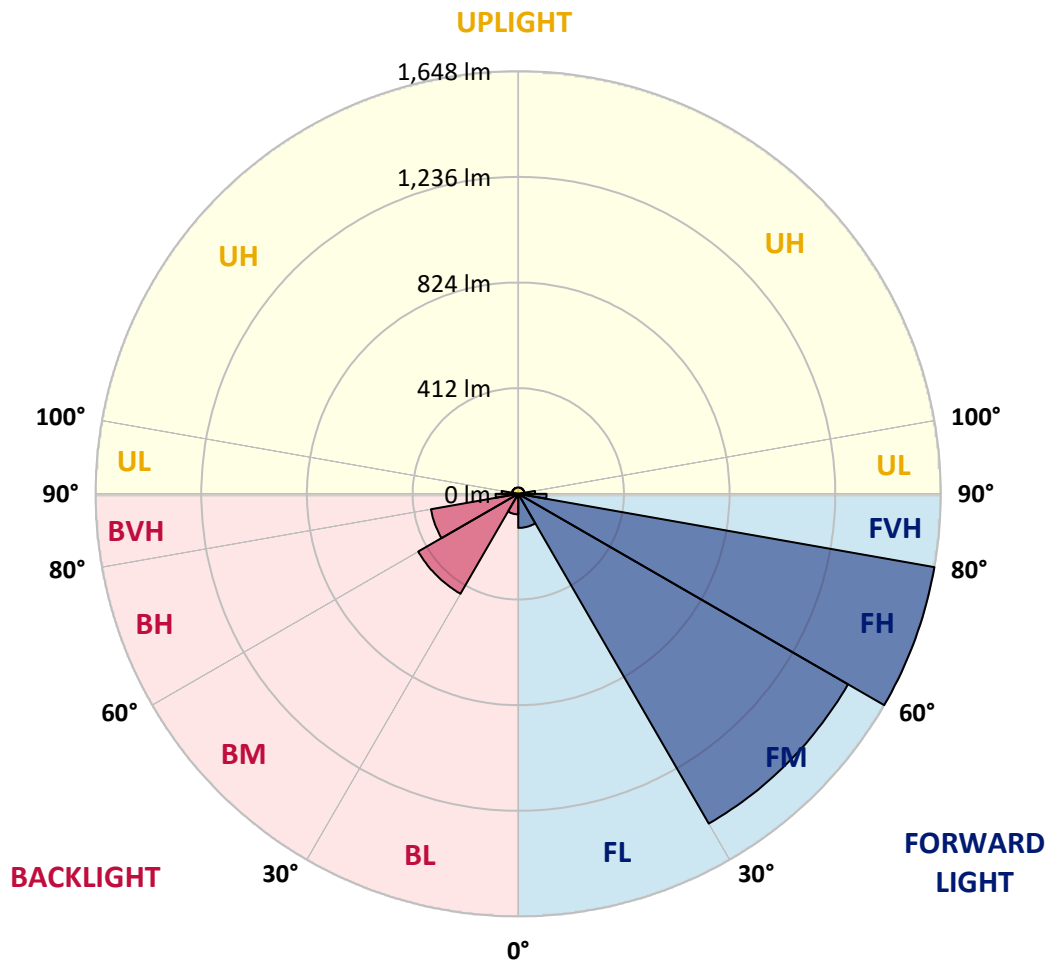


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.1	3.0			
FM (30°-60°)	1485.3	33.5			
FH (60°-80°)	1648.4	37.2			G1/1800
FVH (80°-90°)	110.2	2.5			G2/225
BL (0°-30°)	80.0	1.8	B0/110		
BM (30°-60°)	450.3	10.2	B1/1000		
BH (60°-80°)	345.7	7.8	B1/500		G1/500
BVH (80°-90°)	88.2	2.0			G1/100
UL (90°-100°)	65.2	1.5		U3/500	
UH (100°-180°)	24.7	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
5°	3.1	3.1	3.1	3.1	4.7	4.7	3.1	3.1	3.1	3.1	3.1
7.5°	4.7	3.1	3.1	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1
10°	26.4	27.9	18.6	10.9	7.8	4.7	4.7	4.7	4.7	4.7	4.7
12.5°	142.7	141.1	138.0	96.1	34.1	10.9	7.8	14.0	17.1	21.7	31.0
15°	161.3	162.8	158.2	156.6	147.3	55.8	29.5	130.3	142.7	144.2	144.2
17.5°	224.8	223.3	201.6	176.8	165.9	172.1	138.0	155.1	161.3	164.4	165.9
20°	378.4	376.8	372.2	317.9	204.7	251.2	243.5	184.5	195.4	251.2	319.4
22.5°	421.8	418.7	412.5	397.0	410.9	286.9	279.1	324.1	352.0	369.1	367.5
25°	646.6	652.8	538.1	446.6	454.3	392.3	421.8	418.7	410.9	414.0	418.7
27.5°	719.5	713.3	704.0	659.0	505.5	533.4	480.7	535.0	584.6	612.5	604.8
30°	922.7	921.1	811.0	733.5	663.7	578.4	598.6	674.5	657.5	662.1	637.3
32.5°	1077.7	1076.2	1060.7	905.6	752.1	654.4	710.2	713.3	756.7	842.0	849.8
35°	1138.2	1132.0	1121.1	1007.9	856.0	770.7	750.5	882.3	907.1	910.2	888.5
37.5°	1200.2	1192.5	1183.2	1057.6	958.3	817.2	860.6	961.4	961.4	981.6	927.3
40°	1235.9	1235.9	1234.3	1099.4	1004.8	859.1	914.9	1021.9	1018.8	1032.8	981.6
42.5°	1280.9	1276.2	1293.3	1142.9	1052.9	902.5	967.6	1079.3	1088.6	1124.2	1054.5
45°	1344.4	1350.6	1358.4	1235.9	1118.0	966.1	1029.7	1169.2	1178.5	1226.6	1159.9
47.5°	1414.2	1422.0	1449.9	1333.6	1223.5	1046.7	1082.4	1271.6	1293.3	1352.2	1293.3
50°	1501.1	1502.6	1542.9	1431.3	1358.4	1161.5	1178.5	1370.8	1428.2	1480.9	1445.2
52.5°	1563.1	1569.3	1618.9	1556.9	1482.5	1299.5	1318.1	1499.5	1589.4	1654.6	1609.6
55°	1617.4	1622.0	1668.5	1653.0	1586.3	1404.9	1499.5	1673.2	1774.0	1829.8	1811.2
57.5°	1637.5	1642.2	1712.0	1724.4	1691.8	1538.3	1690.2	1845.3	1980.2	2042.2	2011.2
60°	1623.6	1623.6	1708.8	1775.5	1808.1	1685.6	1891.8	2039.1	2222.1	2264.0	2274.8
62.5°	1577.0	1589.4	1693.3	1797.2	1891.8	1829.8	2096.5	2279.5	2448.5	2487.3	2462.5
65°	1474.7	1477.8	1587.9	1750.7	1901.1	1986.4	2358.6	2482.6	2673.4	2659.4	2554.0
67.5°	1280.9	1259.2	1355.3	1584.8	1798.8	2067.1	2577.2	2654.8	2814.5	2768.0	2530.7
70°	894.7	885.4	1003.3	1204.9	1516.6	2020.5	2718.3	2768.0	2888.9	2799.0	2361.7
72.5°	424.9	459.0	517.9	690.1	1051.4	1705.7	2679.6	2757.1	2811.4	2709.0	2051.5
75°	186.1	190.7	221.7	313.2	541.2	1077.7	2344.6	2476.4	2530.7	2414.4	1615.8
77.5°	133.4	133.4	147.3	170.6	246.6	514.8	1597.2	1961.6	2031.4	1918.2	1132.0
80°	103.9	103.9	114.8	130.3	153.5	212.4	995.5	1315.0	1339.8	1172.3	631.1
82.5°	77.5	80.6	89.9	97.7	113.2	145.8	426.4	676.1	693.2	544.3	330.3
85°	55.8	55.8	62.0	62.0	74.4	113.2	220.2	248.1	246.6	218.6	204.7
87.5°	18.6	18.6	15.5	18.6	31.0	71.3	138.0	139.6	133.4	152.0	172.1
90°	21.7	21.7	15.5	17.1	23.3	65.1	133.4	133.4	127.2	136.5	172.1
92.5°	23.3	23.3	17.1	17.1	20.2	57.4	134.9	141.1	133.4	138.0	170.6
95°	23.3	23.3	17.1	15.5	18.6	38.8	130.3	130.3	125.6	122.5	134.9
97.5°	14.0	14.0	10.9	12.4	15.5	20.2	77.5	80.6	71.3	55.8	72.9
100°	9.3	9.3	7.8	9.3	10.9	10.9	37.2	38.8	29.5	14.0	15.5
102.5°	9.3	9.3	6.2	7.8	6.2	6.2	10.9	14.0	9.3	9.3	12.4
105°	9.3	10.9	4.7	4.7	4.7	4.7	4.7	9.3	7.8	7.8	12.4
107.5°	9.3	9.3	4.7	4.7	4.7	4.7	3.1	4.7	6.2	7.8	14.0
110°	4.7	6.2	3.1	4.7	3.1	4.7	3.1	4.7	6.2	6.2	10.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.1	3.1	1.6	3.1	3.1	3.1	3.1	4.7	4.7	4.7	7.8
115°	3.1	3.1	1.6	1.6	1.6	3.1	3.1	3.1	4.7	4.7	7.8
117.5°	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1	4.7	7.8
120°	4.7	3.1	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7	7.8
122.5°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
125°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
127.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
130°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	6.2
132.5°	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	6.2
135°	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	4.7
137.5°	3.1	3.1	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
150°	4.7	4.7	4.7	3.1	3.1	1.6	3.1	3.1	3.1	3.1	4.7
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
7.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
10°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
12.5°	27.9	27.9	21.7	10.9	4.7	3.1	3.1	3.1	4.7	7.8	6.2
15°	147.3	147.3	144.2	131.8	27.9	7.8	6.2	14.0	62.0	111.6	113.2
17.5°	169.0	167.5	164.4	156.6	139.6	49.6	48.1	130.3	139.6	145.8	147.3
20°	317.9	314.8	243.5	173.7	152.0	150.4	131.8	147.3	152.0	155.1	156.6
22.5°	362.9	358.2	341.1	300.8	173.7	204.7	192.3	159.7	238.8	255.9	255.9
25°	417.1	404.7	370.6	324.1	296.2	215.5	221.7	232.6	246.6	249.7	249.7
27.5°	593.9	583.1	533.4	356.7	317.9	254.3	257.4	235.7	248.1	283.8	288.4
30°	621.8	604.8	559.8	440.4	330.3	285.3	246.6	276.0	290.0	288.4	290.0
32.5°	828.1	811.0	719.5	452.8	355.1	268.3	269.8	276.0	285.3	300.8	311.7
35°	860.6	842.0	738.1	514.8	339.6	266.7	266.7	279.1	321.0	327.2	327.2
37.5°	896.3	880.8	730.4	480.7	342.7	266.7	259.0	285.3	302.4	300.8	300.8
40°	958.3	933.5	710.2	438.8	311.7	255.9	259.0	268.3	277.6	268.3	263.6
42.5°	1031.2	986.2	683.8	395.4	286.9	241.9	245.0	248.1	248.1	231.1	229.5
45°	1124.2	1040.5	648.2	355.1	263.6	224.8	232.6	227.9	227.9	214.0	212.4
47.5°	1229.7	1096.3	604.8	319.4	243.5	209.3	220.2	215.5	218.6	206.2	204.7
50°	1352.2	1169.2	562.9	293.1	226.4	201.6	207.8	214.0	218.6	203.1	201.6
52.5°	1480.9	1240.5	533.4	263.6	210.9	192.3	212.4	214.0	217.1	201.6	201.6
55°	1639.1	1328.9	497.8	241.9	200.0	184.5	223.3	223.3	218.6	204.7	203.1
57.5°	1809.6	1417.3	431.1	221.7	190.7	179.9	227.9	235.7	224.8	207.8	207.8
60°	1967.8	1505.7	355.1	206.2	181.4	178.3	231.1	241.9	232.6	217.1	217.1
62.5°	2088.8	1549.1	297.7	193.8	170.6	173.7	229.5	254.3	251.2	243.5	243.5
65°	2102.7	1510.4	249.7	183.0	161.3	172.1	226.4	266.7	268.3	280.7	282.2
67.5°	2028.3	1386.3	212.4	173.7	153.5	167.5	227.9	293.1	300.8	324.1	321.0
70°	1823.6	1184.7	184.5	162.8	147.3	169.0	255.9	325.6	324.1	353.6	356.7
72.5°	1522.8	938.2	167.5	156.6	150.4	181.4	288.4	334.9	328.7	361.3	358.2
75°	1155.3	662.1	153.5	148.9	145.8	184.5	296.2	325.6	313.2	334.9	331.8
77.5°	759.8	435.7	139.6	139.6	141.1	176.8	283.8	310.1	294.6	308.6	307.0
80°	428.0	259.0	125.6	131.8	134.9	169.0	265.2	288.4	272.9	283.8	283.8
82.5°	257.4	184.5	110.1	121.0	124.1	167.5	248.1	268.3	254.3	260.5	252.8
85°	175.2	134.9	86.8	102.3	116.3	161.3	234.2	248.1	223.3	218.6	212.4
87.5°	142.7	105.4	48.1	65.1	86.8	138.0	186.1	187.6	164.4	161.3	159.7
90°	139.6	97.7	34.1	35.7	57.4	96.1	122.5	117.9	110.1	111.6	110.1
92.5°	136.5	93.0	37.2	38.8	57.4	76.0	103.9	102.3	94.6	102.3	100.8
95°	116.3	80.6	38.8	41.9	49.6	46.5	76.0	80.6	74.4	79.1	80.6
97.5°	60.5	43.4	37.2	41.9	37.2	27.9	45.0	51.2	38.8	31.0	34.1
100°	20.2	14.0	37.2	43.4	27.9	20.2	32.6	37.2	23.3	9.3	9.3
102.5°	12.4	12.4	26.4	34.1	20.2	10.9	21.7	26.4	17.1	7.8	7.8
105°	12.4	12.4	10.9	18.6	7.8	6.2	7.8	14.0	9.3	7.8	7.8
107.5°	14.0	12.4	6.2	6.2	6.2	4.7	4.7	6.2	6.2	7.8	7.8
110°	12.4	10.9	6.2	6.2	4.7	4.7	4.7	4.7	6.2	9.3	9.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	9.3	6.2	4.7	4.7	4.7	4.7	4.7	6.2	9.3	9.3
115°	7.8	7.8	4.7	4.7	3.1	4.7	4.7	4.7	6.2	9.3	10.9
117.5°	9.3	7.8	4.7	3.1	3.1	3.1	3.1	4.7	6.2	10.9	10.9
120°	9.3	7.8	4.7	4.7	3.1	3.1	3.1	4.7	6.2	10.9	12.4
122.5°	9.3	7.8	4.7	3.1	3.1	3.1	3.1	4.7	6.2	10.9	12.4
125°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	4.7	6.2	10.9	10.9
127.5°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	4.7	6.2	10.9	10.9
130°	7.8	6.2	4.7	3.1	3.1	3.1	3.1	4.7	6.2	9.3	10.9
132.5°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
135°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	6.2	7.8
137.5°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	6.2
140°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	4.7	4.7
142.5°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	4.7	4.7
145°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	4.7	4.7
147.5°	4.7	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	4.7	4.7
150°	4.7	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7
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)