

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: P695486

Luminaire Tested: **LXF.LXT-PA16-50-827-U-SL3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695486  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4104.1 lumens  
Efficiency: N/A  
Efficacy: 77.3 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 - G3

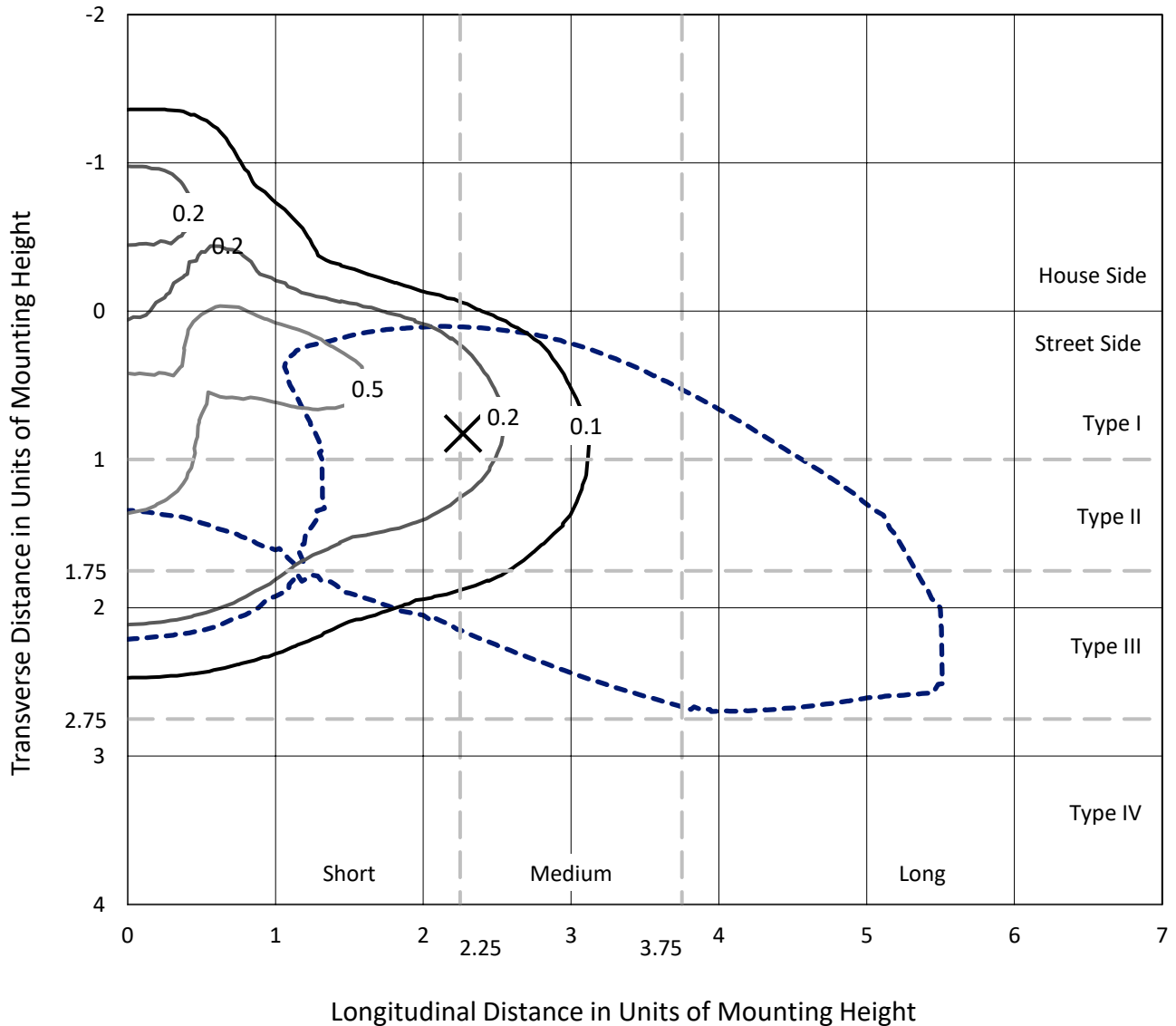
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

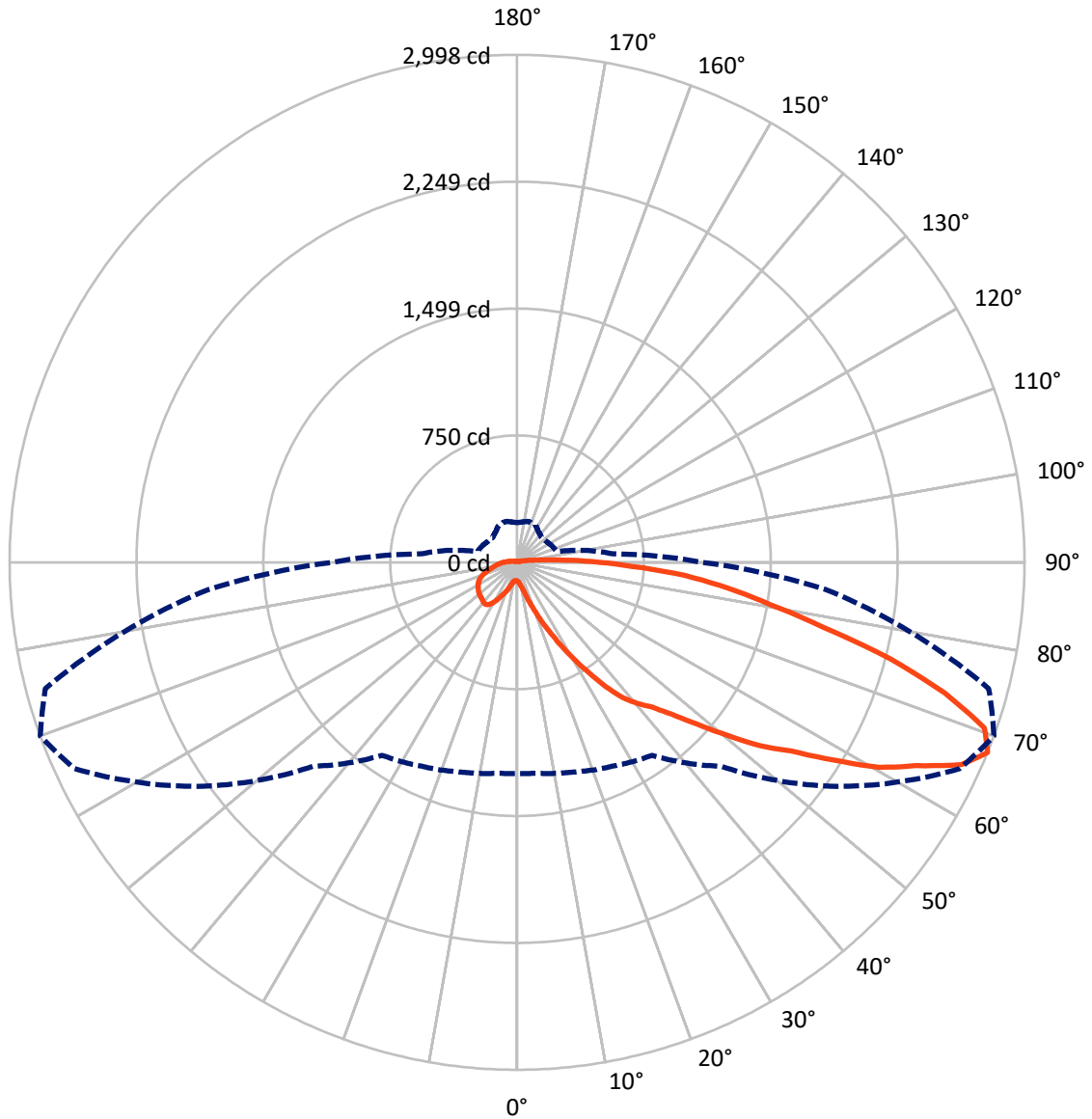
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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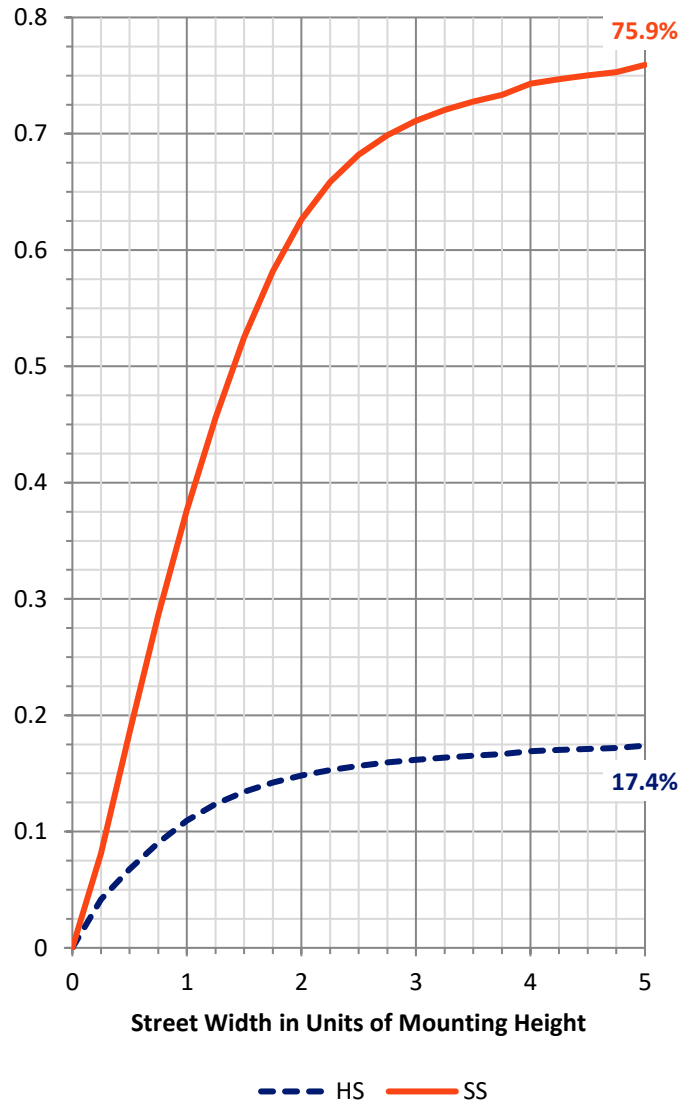
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	749.6	67.0	816.7
	% Fixture	18.3	1.6	19.9
<b>Street Side</b>	Lumens	3201.8	85.6	3287.4
	% Fixture	78.0	2.1	80.1
<b>Total</b>	Lumens	3951.5	152.6	4104.1
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	50.0	1.2
20°-30°	148.0	3.6
30°-40°	323.5	7.9
40°-50°	509.2	12.4
50°-60°	787.3	19.2
60°-70°	1052.3	25.6
70°-80°	744.6	18.1
80°-90°	325.2	7.9
90°-100°	91.5	2.2
100°-110°	29.3	0.7
110°-120°	14.3	0.3
120°-130°	8.8	0.2
130°-140°	5.7	0.1
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3951.5	96.3
0°-180°	4104.1	100.0

**Coefficient of Utilization**

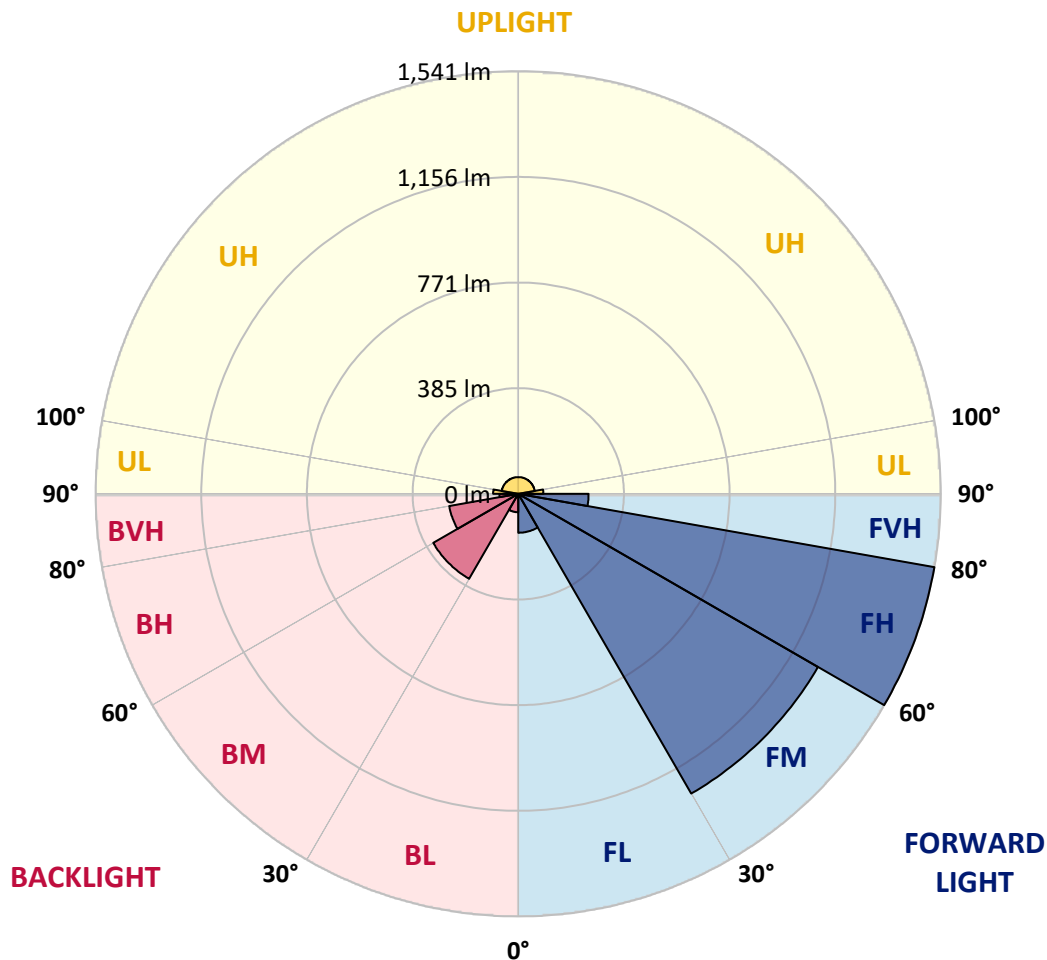


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.0	3.5			
FM (30°-60°)	1262.1	30.8			
FH (60°-80°)	1541.2	37.6			G1/1800
FVH (80°-90°)	256.5	6.2			G3/500
BL (0°-30°)	67.4	1.6	B0/110		
BM (30°-60°)	357.9	8.7	B1/1000		
BH (60°-80°)	255.7	6.2	B1/500		G1/500
BVH (80°-90°)	68.7	1.7			G1/100
UL (90°-100°)	91.5	2.2		U3/500	
UH (100°-180°)	61.1	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7
2.5°	117.9	117.9	119.4	117.9	117.9	117.9	116.3	114.8	113.2	113.2	111.7
5°	130.3	130.3	130.3	130.3	128.7	127.2	125.6	122.5	121.0	119.4	116.3
7.5°	145.8	145.8	145.8	145.8	144.2	142.7	138.0	133.4	131.8	130.3	124.1
10°	169.1	169.1	169.1	166.0	164.4	161.3	156.7	152.0	148.9	145.8	136.5
12.5°	200.1	198.5	198.5	195.4	189.2	183.0	181.5	176.8	173.7	170.6	159.8
15°	238.9	238.9	238.9	231.1	224.9	218.7	217.1	212.5	212.5	207.8	193.9
17.5°	282.3	282.3	276.1	268.3	263.7	260.6	262.1	260.6	259.0	252.8	234.2
20°	330.4	328.8	321.1	310.2	304.0	307.1	311.8	316.4	314.9	307.1	280.7
22.5°	392.4	389.3	375.4	359.8	345.9	350.5	366.0	381.6	386.2	373.8	341.2
25°	459.1	459.1	438.9	415.7	398.6	397.1	418.8	462.2	465.3	463.8	417.2
27.5°	547.5	542.9	515.0	480.8	448.3	449.8	483.9	541.3	559.9	558.4	496.3
30°	643.7	642.1	609.6	559.9	504.1	496.3	552.2	639.0	662.3	671.6	587.8
32.5°	718.1	725.9	685.6	637.5	564.6	544.4	614.2	730.5	777.1	780.2	673.2
35°	801.9	801.9	763.1	702.6	617.3	591.0	677.8	829.8	901.2	907.4	760.0
37.5°	836.0	846.9	817.4	760.0	667.0	631.3	743.0	941.5	1014.4	1036.1	823.6
40°	881.0	890.3	857.7	795.7	707.3	673.2	798.8	1025.2	1096.6	1107.5	843.8
42.5°	967.9	975.6	927.5	840.7	741.4	708.8	839.1	1081.1	1167.9	1185.0	877.9
45°	1056.3	1064.0	1020.6	918.2	784.8	743.0	877.9	1172.6	1278.1	1293.6	929.1
47.5°	1175.7	1178.8	1121.4	1005.1	850.0	783.3	936.8	1295.1	1427.0	1445.6	998.9
50°	1306.0	1310.6	1236.2	1105.9	924.4	851.5	1020.6	1434.7	1603.8	1633.3	1099.7
52.5°	1436.3	1422.3	1355.6	1220.7	1023.7	933.7	1118.3	1613.1	1800.8	1817.8	1192.8
55°	1583.6	1561.9	1478.2	1323.0	1133.8	1039.2	1270.3	1785.3	1968.3	1980.7	1295.1
57.5°	1737.2	1717.0	1610.0	1436.3	1245.5	1189.7	1437.8	1974.5	2202.5	2235.1	1451.8
60°	1763.5	1752.7	1675.1	1541.7	1369.6	1352.5	1642.6	2224.2	2460.0	2461.5	1583.6
62.5°	1731.0	1726.3	1655.0	1563.5	1464.2	1521.6	1915.6	2461.5	2646.1	2629.0	1701.5
65°	1574.3	1557.3	1557.3	1512.3	1489.0	1675.1	2156.0	2686.4	2883.4	2830.7	1813.2
67.5°	1248.6	1250.2	1282.7	1329.3	1391.3	1703.1	2308.0	2885.0	2998.2	2885.0	1825.6
70°	879.4	902.7	972.5	1076.4	1199.0	1577.4	2315.7	2861.7	2928.4	2816.7	1744.9
72.5°	643.7	625.1	679.4	774.0	958.6	1357.2	2117.2	2639.9	2643.0	2478.6	1510.7
75°	435.8	437.4	476.2	558.4	696.4	1104.4	1839.6	2286.3	2276.9	2087.7	1259.5
77.5°	290.0	293.1	328.8	394.0	524.3	885.7	1538.6	1890.7	1848.9	1720.1	1009.7
80°	198.5	206.3	226.5	273.0	381.6	701.1	1262.6	1551.1	1516.9	1392.8	814.3
82.5°	142.7	144.2	164.4	200.1	273.0	536.7	1028.3	1301.3	1254.8	1121.4	649.9
85°	108.6	108.6	122.5	147.4	197.0	409.5	820.5	1036.1	994.2	867.0	485.5
87.5°	79.1	80.7	90.0	111.7	145.8	310.2	629.7	744.5	677.8	598.7	333.5
90°	51.2	54.3	60.5	80.7	108.6	220.2	438.9	487.0	442.1	370.7	215.6
92.5°	32.6	32.6	38.8	54.3	79.1	150.5	276.1	288.5	249.7	226.5	131.8
95°	21.7	23.3	27.9	37.2	55.8	102.4	166.0	167.5	147.4	124.1	83.8
97.5°	18.6	18.6	21.7	27.9	41.9	69.8	97.7	94.6	85.3	76.0	58.9
100°	15.5	15.5	18.6	23.3	34.1	51.2	62.0	60.5	55.8	54.3	46.5
102.5°	14.0	14.0	15.5	20.2	27.9	40.3	45.0	41.9	40.3	40.3	35.7
105°	12.4	12.4	14.0	17.1	23.3	32.6	34.1	31.0	31.0	29.5	27.9
107.5°	10.9	10.9	12.4	14.0	20.2	26.4	26.4	23.3	23.3	23.3	23.3
110°	10.9	10.9	10.9	12.4	17.1	21.7	21.7	18.6	18.6	17.1	18.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.3	9.3	9.3	12.4	15.5	18.6	17.1	15.5	14.0	14.0	15.5
115°	9.3	7.8	9.3	10.9	14.0	15.5	15.5	12.4	12.4	12.4	14.0
117.5°	7.8	7.8	7.8	9.3	12.4	14.0	12.4	10.9	10.9	10.9	12.4
120°	7.8	7.8	7.8	9.3	12.4	12.4	10.9	9.3	9.3	9.3	10.9
122.5°	7.8	7.8	7.8	9.3	10.9	10.9	10.9	9.3	9.3	9.3	10.9
125°	7.8	7.8	7.8	9.3	10.9	10.9	9.3	7.8	7.8	7.8	10.9
127.5°	7.8	7.8	7.8	9.3	9.3	9.3	7.8	7.8	7.8	7.8	9.3
130°	7.8	7.8	7.8	9.3	9.3	7.8	7.8	7.8	7.8	7.8	9.3
132.5°	7.8	7.8	7.8	9.3	9.3	7.8	7.8	6.2	7.8	7.8	9.3
135°	7.8	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	6.2	4.7	6.2	6.2	6.2	7.8
140°	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	6.2	6.2
142.5°	6.2	6.2	6.2	6.2	4.7	4.7	3.1	4.7	4.7	4.7	6.2
145°	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1
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°	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7
2.5°	111.7	110.1	110.1	108.6	107.0	107.0	107.0	107.0	105.5	105.5	105.5
5°	114.8	113.2	110.1	107.0	103.9	100.8	100.8	99.3	99.3	97.7	96.2
7.5°	121.0	117.9	111.7	107.0	102.4	97.7	96.2	94.6	93.1	91.5	91.5
10°	133.4	127.2	117.9	108.6	100.8	94.6	91.5	90.0	88.4	86.9	86.9
12.5°	152.0	145.8	130.3	114.8	102.4	94.6	90.0	88.4	86.9	86.9	86.9
15°	183.0	172.2	148.9	127.2	107.0	96.2	91.5	93.1	96.2	96.2	96.2
17.5°	218.7	204.7	170.6	141.1	116.3	103.9	100.8	103.9	107.0	108.6	108.6
20°	260.6	238.9	193.9	155.1	127.2	117.9	114.8	117.9	122.5	125.6	125.6
22.5°	313.3	279.2	218.7	169.1	141.1	131.8	130.3	133.4	139.6	145.8	144.2
25°	373.8	328.8	246.6	184.6	159.8	147.4	148.9	155.1	166.0	172.2	175.3
27.5°	440.5	380.0	274.5	206.3	176.8	164.4	167.5	178.4	195.4	206.3	206.3
30°	511.8	429.6	302.5	228.0	195.4	181.5	187.7	207.8	226.5	240.4	240.4
32.5°	581.6	477.7	324.2	252.8	215.6	198.5	207.8	234.2	259.0	274.5	276.1
35°	635.9	507.2	335.0	271.4	232.7	212.5	224.9	262.1	294.7	311.8	313.3
37.5°	667.0	516.5	336.6	285.4	246.6	224.9	242.0	285.4	321.1	338.1	338.1
40°	662.3	497.9	325.7	293.1	255.9	235.8	257.5	307.1	342.8	355.2	352.1
42.5°	671.6	490.1	318.0	290.0	259.0	242.0	266.8	318.0	347.4	352.1	349.0
45°	682.5	479.3	310.2	286.9	257.5	245.1	271.4	318.0	342.8	341.2	338.1
47.5°	711.9	477.7	305.6	285.4	255.9	243.5	271.4	316.4	335.0	327.3	324.2
50°	752.3	483.9	302.5	282.3	254.4	240.4	268.3	313.3	330.4	322.6	319.5
52.5°	789.5	487.0	296.3	279.2	252.8	238.9	266.8	313.3	327.3	311.8	307.1
55°	837.6	502.5	288.5	273.0	249.7	235.8	265.2	310.2	313.3	294.7	291.6
57.5°	926.0	532.0	282.3	265.2	245.1	234.2	262.1	299.4	304.0	286.9	282.3
60°	991.1	553.7	276.1	259.0	237.3	229.6	254.4	293.1	294.7	271.4	266.8
62.5°	1048.5	569.2	265.2	251.3	232.7	224.9	246.6	279.2	274.5	254.4	252.8
65°	1104.4	581.6	257.5	240.4	223.4	215.6	237.3	260.6	262.1	245.1	242.0
67.5°	1093.5	569.2	242.0	228.0	212.5	204.7	220.2	248.2	249.7	237.3	234.2
70°	1028.3	527.4	223.4	214.0	197.0	189.2	203.2	231.1	235.8	226.5	224.9
72.5°	890.3	456.0	198.5	193.9	179.9	172.2	186.1	209.4	217.1	209.4	206.3
75°	749.2	384.7	176.8	172.2	162.9	155.1	166.0	187.7	197.0	195.4	195.4
77.5°	600.3	308.7	156.7	153.6	145.8	139.6	148.9	167.5	179.9	181.5	178.4
80°	482.4	251.3	138.0	136.5	131.8	127.2	131.8	147.4	161.3	164.4	162.9
82.5°	387.8	209.4	122.5	122.5	117.9	114.8	117.9	131.8	148.9	155.1	153.6
85°	297.8	172.2	110.1	108.6	105.5	103.9	107.0	116.3	134.9	142.7	142.7
87.5°	217.1	136.5	97.7	94.6	93.1	93.1	94.6	103.9	121.0	127.2	125.6
90°	150.5	105.5	83.8	80.7	79.1	80.7	83.8	91.5	103.9	105.5	105.5
92.5°	102.4	80.7	69.8	66.7	66.7	69.8	72.9	79.1	86.9	85.3	83.8
95°	71.3	60.5	55.8	54.3	54.3	57.4	60.5	66.7	71.3	68.2	66.7
97.5°	52.7	48.1	46.5	45.0	43.4	48.1	49.6	52.7	57.4	55.8	54.3
100°	41.9	40.3	38.8	37.2	35.7	38.8	40.3	43.4	46.5	43.4	43.4
102.5°	34.1	34.1	32.6	31.0	31.0	32.6	34.1	35.7	37.2	35.7	34.1
105°	27.9	27.9	27.9	26.4	26.4	27.9	29.5	29.5	31.0	27.9	27.9
107.5°	23.3	23.3	24.8	23.3	23.3	24.8	24.8	24.8	24.8	23.3	23.3
110°	20.2	20.2	20.2	20.2	20.2	21.7	21.7	21.7	21.7	20.2	18.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.1	17.1	17.1	17.1	17.1	18.6	18.6	18.6	18.6	17.1	17.1
115°	14.0	15.5	15.5	15.5	15.5	15.5	17.1	15.5	15.5	15.5	15.5
117.5°	12.4	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	14.0	14.0
122.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	12.4	12.4	12.4
125°	10.9	10.9	10.9	10.9	9.3	9.3	10.9	10.9	10.9	10.9	10.9
127.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.9
130°	9.3	9.3	9.3	9.3	7.8	7.8	7.8	9.3	9.3	9.3	9.3
132.5°	9.3	9.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.3	9.3
135°	7.8	7.8	7.8	7.8	6.2	6.2	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	6.2	6.2	6.2	6.2	6.2	6.2	7.8	7.8	7.8
140°	6.2	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	4.7	4.7	4.7	3.1	3.1	4.7	6.2	6.2	6.2	6.2
145°	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7
150°	3.1	3.1	3.1	1.6	1.6	1.6	3.1	4.7	4.7	3.1	3.1
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)