

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: P695504

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND  
TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4259.1 lumens  
Efficiency: N/A  
Efficacy: 80.2 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

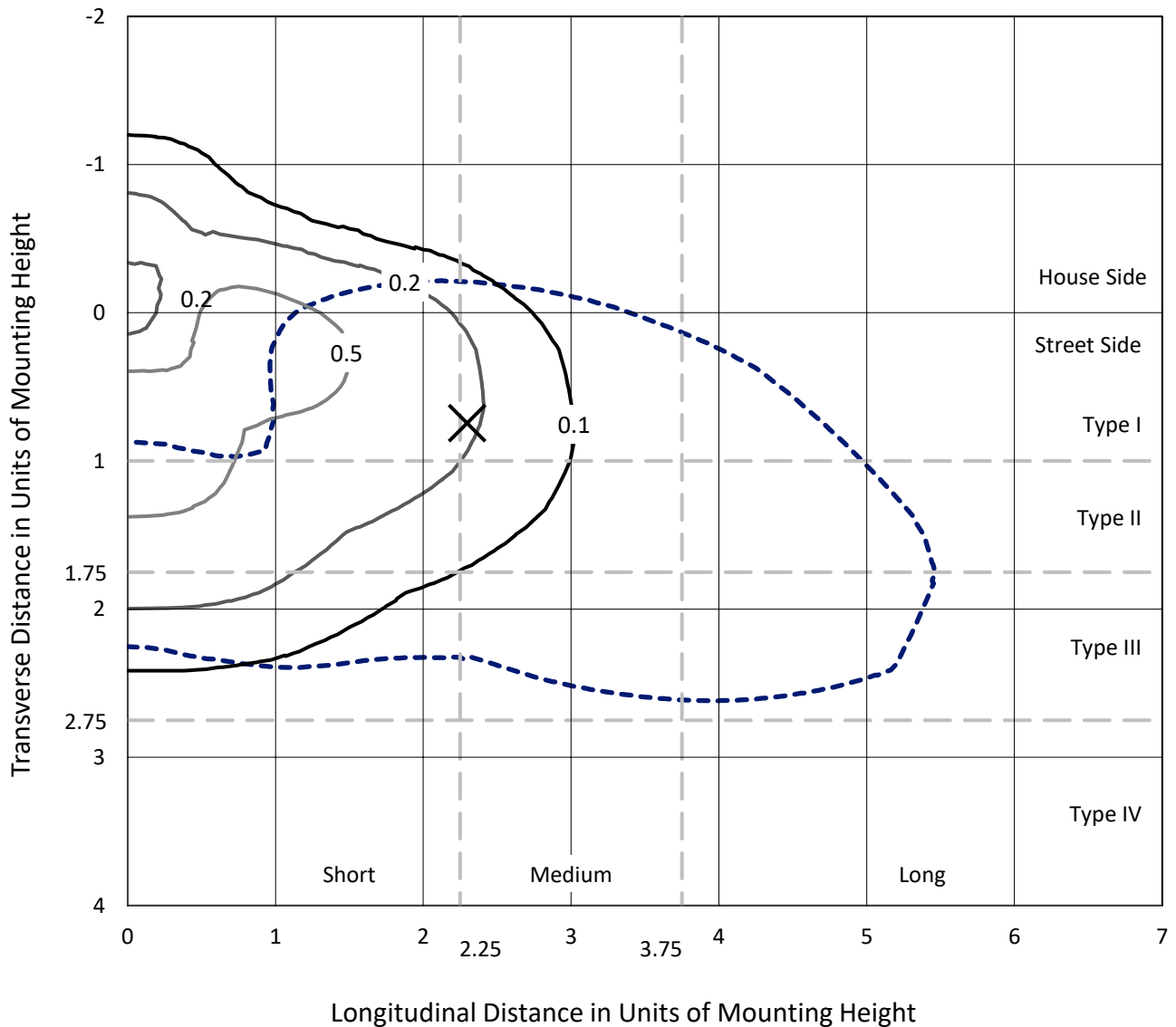
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

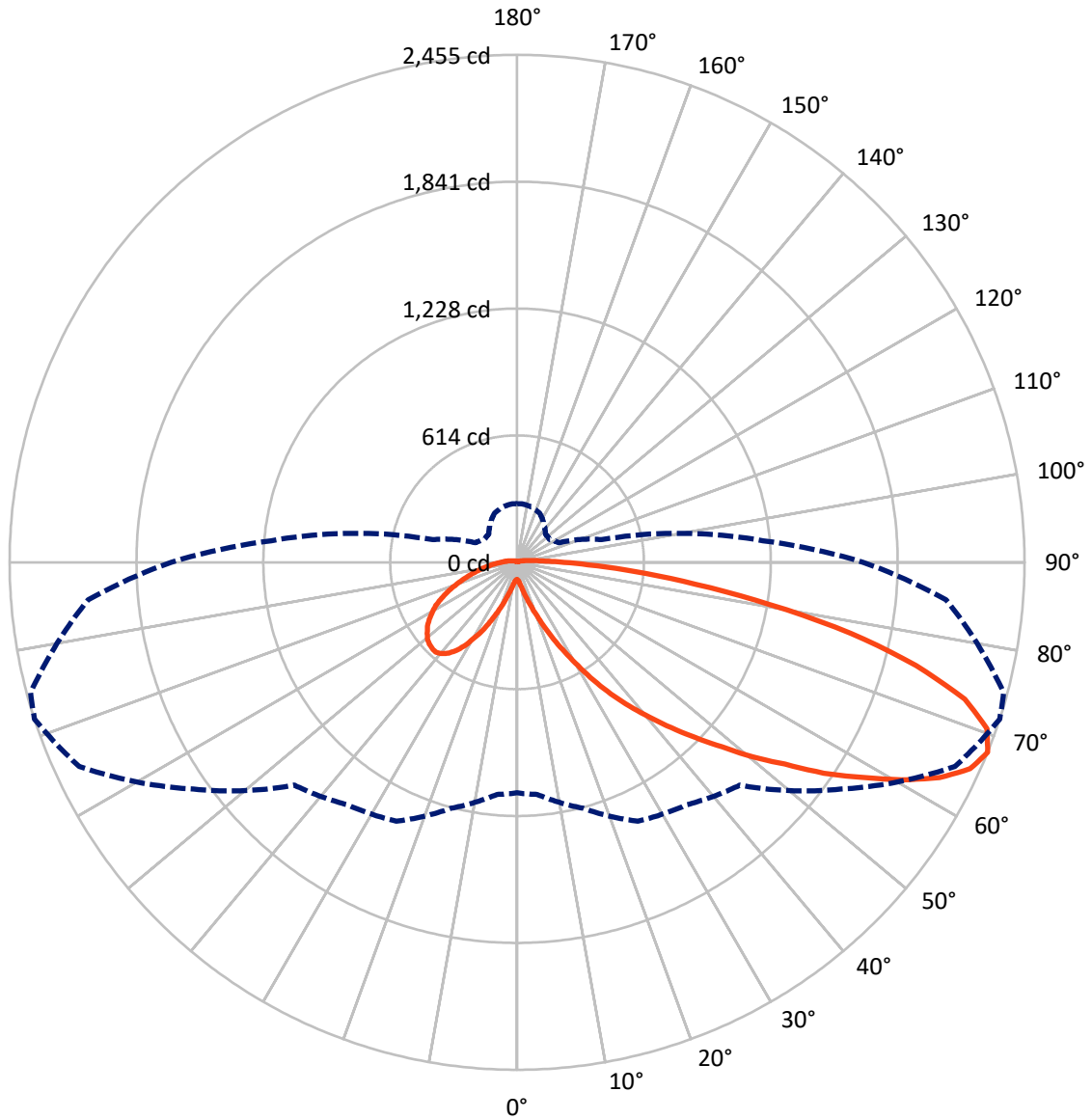
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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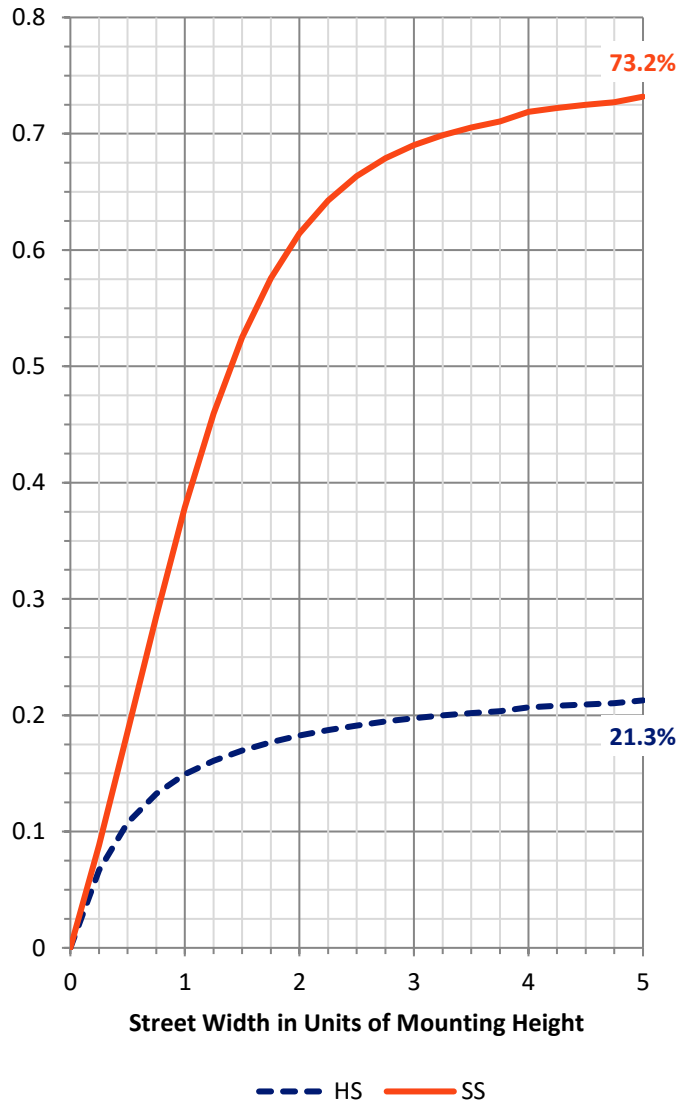
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	951.3	71.5	1022.8
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	3170.4	65.8	3236.3
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	4121.8	137.3	4259.1
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	0.2
10°-20°	50.2	1.2
20°-30°	161.2	3.8
30°-40°	360.5	8.5
40°-50°	601.0	14.1
50°-60°	874.9	20.5
60°-70°	1048.5	24.6
70°-80°	752.8	17.7
80°-90°	263.0	6.2
90°-100°	72.0	1.7
100°-110°	30.9	0.7
110°-120°	15.9	0.4
120°-130°	9.5	0.2
130°-140°	5.8	0.1
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4121.8	96.8
0°-180°	4259.1	100.0

**Coefficient of Utilization**

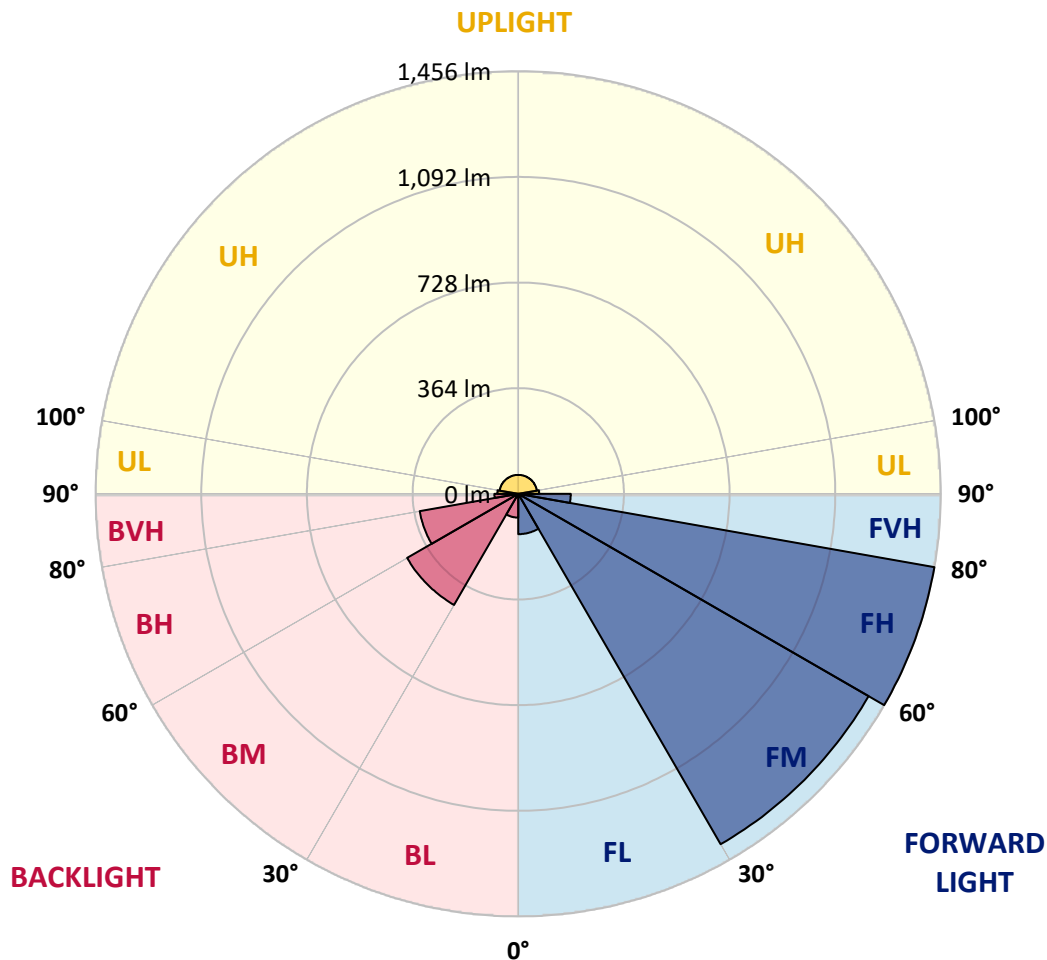


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.0	3.3			
FM (30°-60°)	1394.3	32.7			
FH (60°-80°)	1456.4	34.2			G1/1800
FVH (80°-90°)	180.8	4.2			G2/225
BL (0°-30°)	82.0	1.9	B0/110		
BM (30°-60°)	442.2	10.4	B1/1000		
BH (60°-80°)	344.9	8.1	B1/500		G1/500
BVH (80°-90°)	82.2	1.9			G1/100
UL (90°-100°)	72.0	1.7		U3/500	
UH (100°-180°)	65.3	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°	72°	75°	85°
0°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	88.4	88.4	88.4	90.0	88.4	88.4	88.4	86.9	86.9	86.9	85.3
5°	102.4	102.4	100.8	100.8	99.3	99.3	97.7	96.2	94.6	93.1	91.5
7.5°	119.4	119.4	117.9	117.9	116.3	113.2	111.7	108.6	107.0	105.5	103.9
10°	145.8	144.2	144.2	142.7	139.6	136.5	133.4	128.7	125.6	124.1	121.0
12.5°	179.9	178.4	176.8	170.6	167.5	162.9	158.2	155.1	152.0	148.9	144.2
15°	223.3	221.8	217.1	212.5	201.6	197.0	190.8	189.2	186.1	184.6	176.8
17.5°	276.1	271.4	268.3	257.5	246.6	235.8	232.7	229.5	228.0	226.4	221.8
20°	341.2	336.6	330.4	310.2	297.8	285.4	277.6	279.2	277.6	277.6	273.0
22.5°	420.3	421.9	404.8	378.4	350.5	335.0	331.9	336.6	339.7	342.8	333.5
25°	516.5	514.9	488.6	452.9	417.2	395.5	392.4	401.7	412.6	418.8	411.0
27.5°	623.5	615.8	589.4	536.6	491.7	459.1	460.6	480.8	491.7	496.3	490.1
30°	735.2	732.1	693.3	629.7	564.6	524.2	530.4	559.9	580.1	590.9	575.4
32.5°	856.2	846.9	801.9	727.4	642.1	592.5	606.4	648.3	680.9	682.4	674.7
35°	970.9	970.9	918.2	828.2	722.8	663.8	680.9	749.1	781.7	791.0	774.0
37.5°	1084.2	1076.4	1031.4	919.7	803.4	733.6	756.9	837.5	882.5	891.8	870.1
40°	1178.8	1177.2	1126.0	1020.6	876.3	801.9	832.9	932.2	984.9	1000.4	964.7
42.5°	1274.9	1268.7	1228.4	1109.0	963.2	871.7	913.5	1034.5	1093.5	1102.8	1065.5
45°	1346.3	1341.6	1312.2	1202.0	1045.4	946.1	998.9	1136.9	1209.8	1219.1	1161.7
47.5°	1414.5	1414.5	1389.7	1298.2	1130.7	1029.9	1096.6	1257.9	1333.9	1349.4	1284.2
50°	1481.2	1475.0	1468.8	1389.7	1217.5	1122.9	1192.7	1385.1	1479.7	1495.2	1405.2
52.5°	1520.0	1529.3	1537.1	1482.8	1315.3	1211.3	1309.1	1523.1	1622.4	1644.1	1546.4
55°	1555.7	1551.0	1586.7	1551.0	1399.0	1309.1	1439.3	1681.3	1800.7	1808.5	1698.4
57.5°	1554.1	1558.8	1611.5	1614.6	1481.2	1399.0	1561.9	1837.9	1962.0	1988.4	1837.9
60°	1516.9	1529.3	1597.5	1630.1	1546.4	1479.7	1689.0	2002.4	2137.3	2163.7	1976.0
62.5°	1440.9	1445.5	1543.3	1614.6	1565.0	1541.7	1802.3	2154.4	2293.9	2292.4	2081.5
65°	1298.2	1306.0	1409.9	1526.2	1530.8	1557.2	1879.8	2278.4	2408.7	2399.4	2115.6
67.5°	1115.2	1127.6	1231.5	1381.9	1431.6	1524.6	1912.4	2337.4	2455.2	2436.6	2083.0
70°	885.6	916.6	998.9	1157.1	1284.2	1420.7	1869.0	2321.9	2411.8	2387.0	1949.6
72.5°	651.4	665.4	752.2	907.3	1064.0	1267.2	1727.8	2193.1	2266.0	2207.1	1740.2
75°	457.5	462.2	535.1	668.5	837.5	1057.8	1515.3	1943.4	1994.6	1937.2	1451.7
77.5°	282.3	291.6	349.0	459.1	615.8	843.7	1233.1	1619.3	1651.8	1577.4	1132.2
80°	173.7	179.9	220.2	304.0	428.1	615.8	953.9	1230.0	1240.8	1189.6	809.6
82.5°	111.7	117.9	144.2	195.4	285.4	429.6	671.6	876.3	870.1	815.8	546.0
85°	72.9	77.6	94.6	130.3	189.2	296.2	448.2	581.6	567.7	527.3	355.2
87.5°	48.1	51.2	66.7	91.5	130.3	197.0	288.5	352.1	344.3	318.0	221.8
90°	32.6	34.1	46.5	63.6	91.5	134.9	186.1	212.5	198.5	187.7	144.2
92.5°	23.3	26.4	34.1	48.1	69.8	96.2	121.0	131.8	124.1	119.4	97.7
95°	18.6	18.6	27.9	38.8	54.3	72.9	85.3	85.3	80.7	79.1	71.3
97.5°	15.5	15.5	23.3	32.6	45.0	57.4	62.0	60.5	57.4	58.9	54.3
100°	12.4	14.0	20.2	27.9	37.2	46.5	48.1	45.0	43.4	43.4	41.9
102.5°	10.9	12.4	18.6	24.8	32.6	38.8	40.3	37.2	34.1	34.1	32.6
105°	10.9	10.9	15.5	21.7	27.9	32.6	32.6	29.5	27.9	26.4	24.8
107.5°	9.3	9.3	14.0	20.2	24.8	27.9	27.9	24.8	21.7	21.7	20.2
110°	7.8	9.3	12.4	17.1	21.7	24.8	24.8	21.7	18.6	17.1	17.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.8	7.8	10.9	15.5	18.6	21.7	20.2	17.1	15.5	14.0	14.0
115°	7.8	7.8	9.3	14.0	17.1	18.6	18.6	15.5	12.4	12.4	12.4
117.5°	7.8	7.8	9.3	12.4	15.5	17.1	15.5	14.0	10.9	10.9	10.9
120°	7.8	7.8	9.3	10.9	14.0	15.5	14.0	12.4	9.3	9.3	10.9
122.5°	6.2	7.8	7.8	10.9	12.4	14.0	12.4	10.9	9.3	9.3	9.3
125°	6.2	7.8	7.8	9.3	10.9	12.4	10.9	9.3	7.8	7.8	9.3
127.5°	6.2	6.2	7.8	9.3	10.9	10.9	10.9	9.3	7.8	7.8	9.3
130°	6.2	7.8	7.8	7.8	9.3	10.9	9.3	7.8	7.8	7.8	7.8
132.5°	6.2	6.2	7.8	7.8	9.3	9.3	7.8	7.8	6.2	6.2	7.8
135°	6.2	6.2	6.2	7.8	7.8	7.8	7.8	6.2	6.2	6.2	7.8
137.5°	6.2	6.2	6.2	6.2	7.8	7.8	6.2	6.2	6.2	6.2	6.2
140°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.7	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	4.7	6.2	4.7	4.7	4.7	4.7	4.7	6.2
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	83.8	83.8	83.8	82.2	82.2	82.2	80.7	80.7	80.7	80.7	80.7
5°	91.5	90.0	88.4	86.9	83.8	83.8	82.2	82.2	80.7	80.7	80.7
7.5°	102.4	100.8	97.7	94.6	91.5	88.4	86.9	85.3	83.8	83.8	83.8
10°	117.9	116.3	110.1	105.5	100.8	97.7	94.6	93.1	91.5	90.0	90.0
12.5°	141.1	139.6	131.8	122.5	114.8	108.6	103.9	102.4	100.8	99.3	100.8
15°	173.7	170.6	159.8	144.2	133.4	122.5	117.9	116.3	117.9	117.9	116.3
17.5°	217.1	209.4	192.3	172.2	155.1	141.1	134.9	134.9	134.9	136.5	136.5
20°	266.8	259.0	234.2	206.3	178.4	161.3	153.5	153.5	155.1	156.7	159.8
22.5°	325.7	313.3	280.7	240.4	204.7	181.5	172.2	172.2	176.8	181.5	181.5
25°	398.6	383.1	335.0	276.1	231.1	201.6	189.2	190.8	198.5	203.2	204.7
27.5°	477.7	457.5	394.0	318.0	254.4	217.1	204.7	207.8	217.1	224.9	224.9
30°	567.7	533.5	448.2	353.6	274.5	229.5	217.1	223.3	234.2	243.5	245.1
32.5°	649.9	615.8	510.3	387.8	291.6	237.3	224.9	234.2	246.6	257.5	257.5
35°	741.4	698.0	561.5	414.1	300.9	242.0	229.5	242.0	255.9	265.2	265.2
37.5°	829.8	769.3	601.8	429.6	304.0	242.0	231.1	246.6	259.0	266.8	268.3
40°	910.4	839.1	631.3	434.3	300.9	238.9	231.1	246.6	259.0	263.7	265.2
42.5°	997.3	898.0	653.0	429.6	293.1	234.2	229.5	245.1	255.9	257.5	259.0
45°	1084.2	963.2	659.2	414.1	282.3	228.0	224.9	240.4	249.7	249.7	249.7
47.5°	1178.8	1026.8	659.2	395.5	268.3	221.8	221.8	237.3	243.5	242.0	242.0
50°	1278.0	1087.3	654.5	373.8	255.9	215.6	217.1	234.2	240.4	235.8	235.8
52.5°	1381.9	1152.4	639.0	347.4	242.0	209.4	215.6	232.7	238.9	234.2	234.2
55°	1507.6	1216.0	622.0	322.6	229.5	204.7	214.0	232.7	238.9	234.2	234.2
57.5°	1596.0	1271.8	595.6	299.3	220.2	201.6	214.0	235.8	242.0	238.9	238.9
60°	1698.4	1309.1	561.5	276.1	210.9	198.5	217.1	238.9	248.2	248.2	248.2
62.5°	1754.2	1318.4	525.8	255.9	204.7	197.0	220.2	245.1	257.5	259.0	260.6
65°	1754.2	1278.0	476.2	238.9	198.5	195.4	223.3	252.8	268.3	273.0	274.5
67.5°	1675.1	1194.3	423.4	223.3	192.3	193.9	226.4	260.6	276.1	283.8	283.8
70°	1544.8	1062.4	367.6	207.8	186.1	192.3	228.0	263.7	280.7	288.5	288.5
72.5°	1330.8	908.9	314.9	195.4	179.9	189.2	226.4	263.7	279.2	285.4	283.8
75°	1078.0	725.9	263.7	181.5	172.2	181.5	218.7	255.9	268.3	271.4	271.4
77.5°	839.1	553.7	221.8	166.0	161.3	172.2	207.8	240.4	251.3	252.8	251.3
80°	597.1	400.2	186.1	152.0	148.9	158.2	189.2	217.1	226.4	228.0	224.9
82.5°	401.7	286.9	152.0	133.4	133.4	142.7	169.1	190.8	198.5	197.0	195.4
85°	260.6	193.9	124.1	114.8	116.3	125.6	144.2	161.3	166.0	164.4	159.8
87.5°	170.6	136.5	99.3	97.7	99.3	107.0	121.0	130.3	136.5	133.4	131.8
90°	116.3	97.7	80.7	80.7	83.8	90.0	99.3	103.9	105.5	105.5	103.9
92.5°	85.3	76.0	66.7	66.7	71.3	76.0	80.7	82.2	85.3	83.8	82.2
95°	65.1	62.0	55.8	55.8	60.5	65.1	66.7	65.1	68.2	68.2	66.7
97.5°	51.2	51.2	48.1	48.1	51.2	54.3	55.8	54.3	55.8	54.3	54.3
100°	40.3	40.3	41.9	41.9	43.4	46.5	46.5	46.5	46.5	45.0	43.4
102.5°	32.6	34.1	35.7	37.2	38.8	38.8	40.3	38.8	38.8	35.7	35.7
105°	26.4	26.4	29.5	31.0	32.6	34.1	34.1	34.1	32.6	29.5	29.5
107.5°	21.7	23.3	24.8	27.9	27.9	29.5	31.0	29.5	26.4	23.3	24.8
110°	17.1	18.6	21.7	23.3	24.8	26.4	26.4	24.8	21.7	20.2	20.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	18.6	20.2	21.7	23.3	23.3	21.7	18.6	17.1	17.1
115°	14.0	14.0	15.5	17.1	18.6	20.2	20.2	18.6	15.5	14.0	14.0
117.5°	12.4	12.4	14.0	15.5	17.1	18.6	17.1	17.1	14.0	12.4	12.4
120°	10.9	12.4	12.4	14.0	15.5	15.5	15.5	14.0	12.4	12.4	12.4
122.5°	10.9	10.9	12.4	12.4	14.0	14.0	14.0	12.4	10.9	10.9	10.9
125°	9.3	10.9	10.9	10.9	12.4	12.4	12.4	10.9	9.3	9.3	9.3
127.5°	9.3	9.3	9.3	10.9	10.9	10.9	10.9	9.3	9.3	9.3	9.3
130°	9.3	9.3	9.3	9.3	9.3	10.9	9.3	9.3	7.8	9.3	9.3
132.5°	7.8	7.8	7.8	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	6.2	6.2	6.2	7.8	7.8
140°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	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)