

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: P415402

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-727-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4867 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

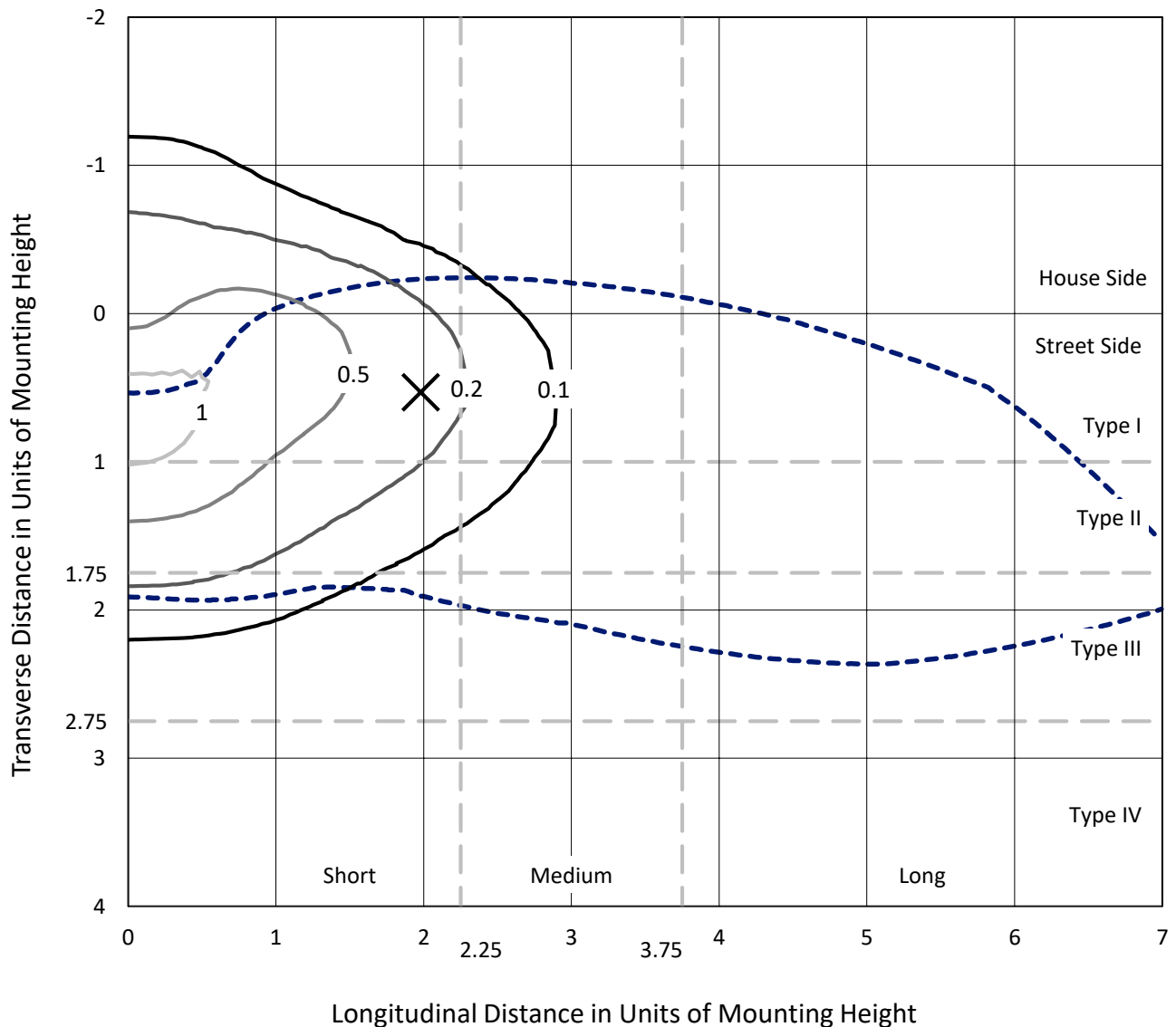
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

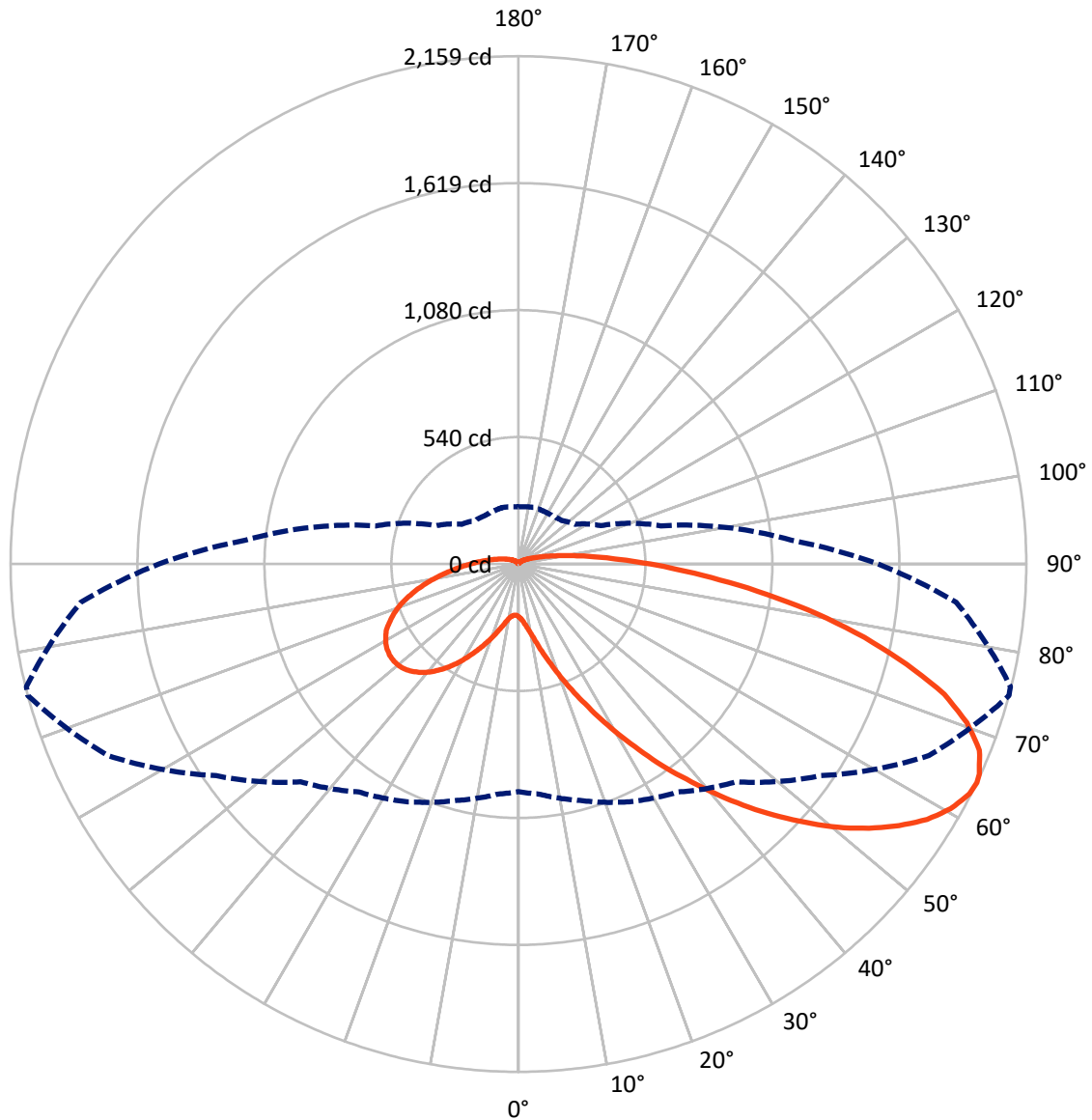


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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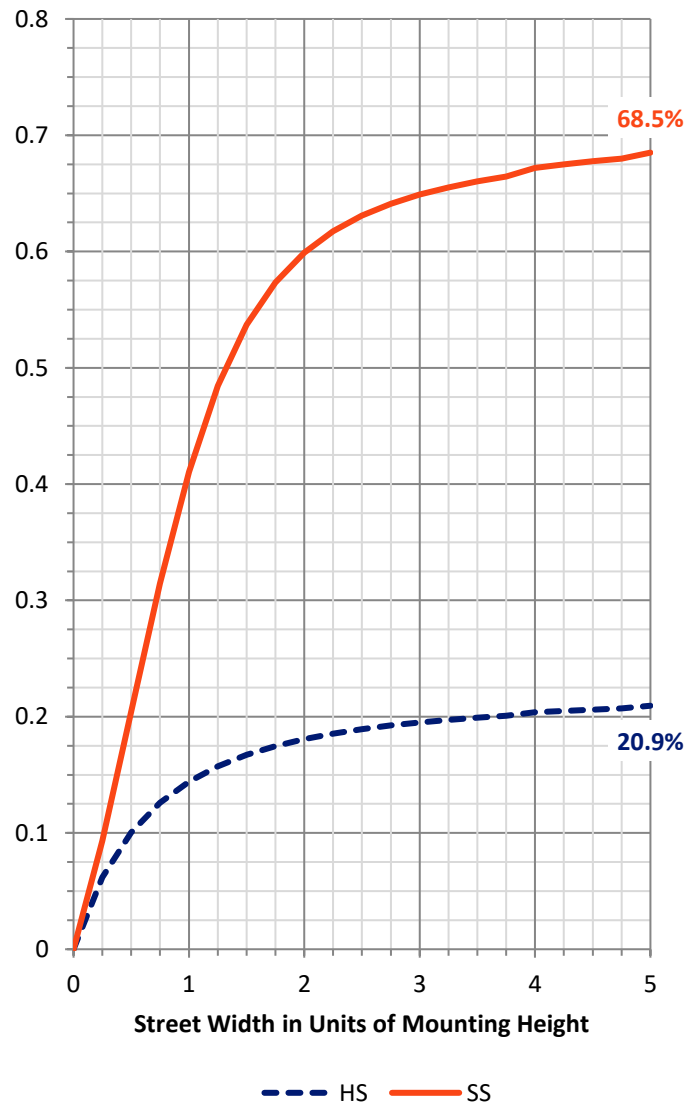
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1073.5	141.4	1214.8
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	3437.1	215.1	3652.2
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	4510.5	356.5	4867.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.6	0.5
10°-20°	98.2	2.0
20°-30°	248.5	5.1
30°-40°	486.7	10.0
40°-50°	757.2	15.6
50°-60°	928.5	19.1
60°-70°	902.7	18.5
70°-80°	680.7	14.0
80°-90°	384.4	7.9
90°-100°	181.3	3.7
100°-110°	87.6	1.8
110°-120°	46.0	0.9
120°-130°	24.7	0.5
130°-140°	12.1	0.2
140°-150°	4.2	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4510.5	92.7
0°-180°	4867.0	100.0

**Coefficient of Utilization**



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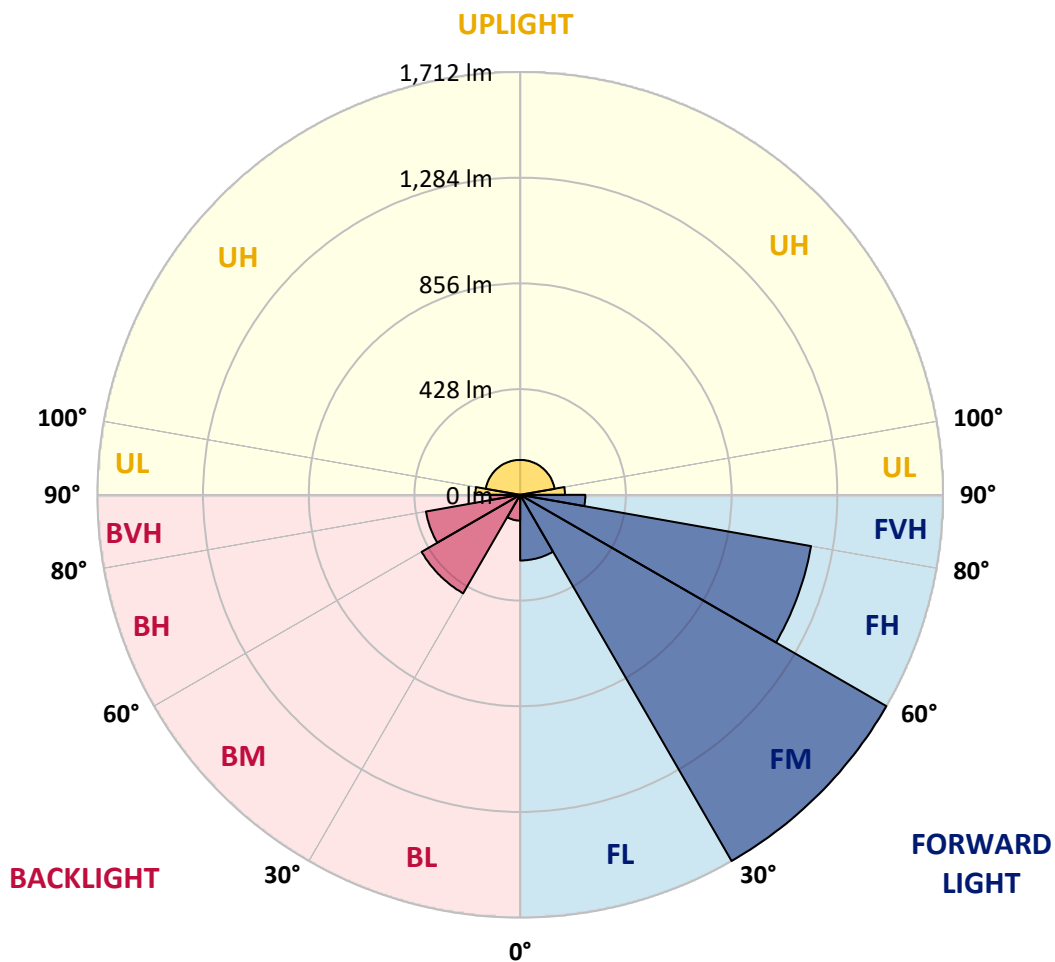
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.9	5.5			
FM	(30°-60°)	1711.7	35.2			
FH	(60°-80°)	1195.8	24.6			G1/1800
FVH	(80°-90°)	263.6	5.4			G3/500
BL	(0°-30°)	104.4	2.1	B0/110		
BM	(30°-60°)	460.7	9.5	B1/1000		
BH	(60°-80°)	387.6	8.0	B1/500		G1/500
BVH	(80°-90°)	120.8	2.5			G2/225
UL	(90°-100°)	181.3	3.7		U3/500	
UH	(100°-180°)	141.4	2.9		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	261.6	259.2	258.1	257.5	253.3	249.2	244.5	239.8	234.4	233.3	228.5
5°	302.3	299.4	298.2	294.7	288.8	281.7	271.6	262.2	250.4	251.0	240.3
7.5°	349.0	346.6	343.1	337.8	328.9	319.5	304.7	290.5	274.6	272.8	257.5
10°	402.1	400.4	396.8	388.6	377.3	361.4	346.6	325.4	302.9	301.8	279.3
12.5°	465.9	463.6	453.5	445.3	430.5	415.7	393.3	367.9	343.7	340.7	313.0
15°	538.0	534.4	527.3	514.3	498.4	474.2	450.6	425.2	393.3	388.0	355.5
17.5°	611.8	611.8	602.9	587.6	565.7	544.5	518.5	486.6	446.4	445.8	402.7
20°	704.5	703.3	689.7	667.3	645.4	623.0	591.7	555.7	510.8	506.7	454.1
22.5°	804.9	803.7	787.2	763.0	734.6	702.7	667.9	630.1	581.1	575.8	514.3
25°	913.5	912.9	895.8	858.6	822.6	792.5	756.5	714.5	657.8	656.7	582.8
27.5°	1045.8	1039.3	1012.7	967.3	921.8	882.8	840.9	803.1	746.4	737.6	655.5
30°	1173.4	1169.8	1133.8	1084.8	1022.2	970.8	928.3	899.4	840.9	832.6	740.5
32.5°	1305.1	1302.7	1259.0	1202.3	1124.9	1061.2	1028.1	996.8	940.7	937.2	824.4
35°	1450.9	1441.5	1391.3	1313.3	1223.6	1152.1	1122.6	1108.4	1052.9	1039.9	916.5
37.5°	1570.2	1563.1	1517.6	1422.6	1316.9	1240.1	1217.7	1208.2	1160.4	1155.1	1016.3
40°	1685.4	1680.0	1624.5	1521.8	1401.3	1324.5	1302.1	1318.0	1279.7	1271.4	1116.7
42.5°	1768.6	1761.5	1710.2	1600.9	1474.5	1393.6	1393.0	1429.7	1401.9	1393.0	1220.6
45°	1818.2	1811.1	1768.6	1663.5	1531.8	1453.9	1467.5	1531.8	1523.6	1512.9	1315.7
47.5°	1822.9	1818.8	1788.1	1690.7	1566.7	1501.1	1540.1	1632.2	1641.1	1631.0	1417.3
50°	1779.8	1784.0	1764.5	1687.1	1579.1	1531.8	1599.1	1727.3	1759.8	1747.9	1518.2
52.5°	1698.3	1693.6	1701.9	1647.0	1566.1	1542.4	1639.3	1807.0	1866.6	1854.8	1611.5
55°	1562.5	1566.1	1595.0	1574.3	1525.3	1530.0	1663.5	1870.2	1963.5	1954.0	1696.0
57.5°	1419.6	1411.4	1463.3	1466.9	1453.3	1497.0	1666.5	1918.0	2049.1	2039.1	1768.6
60°	1232.4	1252.5	1299.2	1339.3	1362.9	1442.1	1647.0	1942.8	2111.7	2108.8	1827.1
62.5°	1070.6	1074.8	1137.9	1198.8	1255.5	1364.7	1603.9	1942.2	2152.5	2148.9	1861.9
64°	967.9	981.5	1041.1	1114.9	1182.8	1309.2	1568.4	1925.7	2159.0	2156.0	1867.8
65°	911.8	910.0	981.5	1055.9	1129.1	1267.3	1532.4	1908.0	2153.0	2153.0	1865.5
67.5°	757.6	763.5	826.1	911.8	1002.1	1156.2	1440.3	1844.8	2114.1	2118.2	1831.2
70°	624.8	633.6	702.1	778.3	878.1	1044.6	1326.3	1730.8	2022.5	2028.4	1757.4
72.5°	515.5	525.6	575.8	652.5	763.0	927.1	1197.6	1587.9	1893.2	1895.6	1634.0
75°	419.3	430.5	481.3	548.0	643.7	800.7	1057.0	1432.6	1704.8	1716.7	1474.5
77.5°	341.3	353.1	399.8	460.0	551.0	685.0	917.7	1253.1	1504.7	1511.7	1292.1
80°	275.8	288.2	329.5	386.2	465.3	583.4	787.2	1069.4	1288.5	1288.5	1104.3
82.5°	223.8	234.4	271.6	320.7	392.7	492.5	661.4	888.7	1065.3	1065.9	912.4
85°	180.7	187.2	223.8	266.9	326.6	412.8	546.8	723.4	859.2	846.8	735.2
87.5°	145.3	151.2	181.9	223.8	271.1	344.3	448.8	588.8	675.6	679.7	587.0
90°	116.9	120.5	148.8	184.2	227.9	284.6	364.9	468.3	531.5	526.2	460.0
92.5°	95.1	99.2	123.4	155.3	191.9	239.2	300.6	370.8	411.6	412.8	359.6
95°	77.9	80.3	102.8	131.1	164.2	200.2	245.1	295.3	323.0	319.5	279.9
97.5°	65.0	66.1	86.8	112.2	139.4	168.9	204.3	235.0	250.4	248.0	219.1
100°	54.9	56.1	73.8	97.4	120.5	144.1	168.9	189.6	194.9	191.9	172.4
102.5°	47.8	48.4	63.2	84.4	103.9	123.4	140.5	153.5	152.9	152.9	136.4
105°	41.9	42.5	54.9	73.8	91.5	106.9	118.7	125.2	122.8	121.6	109.2
107.5°	37.8	38.4	48.4	65.0	80.9	92.7	101.6	103.3	98.6	97.4	88.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	34.3	34.3	42.5	57.3	71.5	80.9	86.8	86.8	79.7	79.1	73.2
112.5°	31.3	31.9	38.4	50.8	63.2	71.5	75.0	72.0	65.5	65.0	62.0
115°	28.9	29.5	34.3	45.5	56.1	63.2	65.0	60.8	54.3	53.7	51.4
117.5°	27.2	27.8	31.3	40.2	50.2	55.5	56.1	52.0	45.5	44.9	44.3
120°	26.0	26.0	28.9	36.0	44.3	49.0	48.4	44.3	39.0	38.4	38.4
122.5°	24.8	24.8	26.6	31.9	39.0	43.1	42.5	37.8	33.1	33.1	33.1
125°	23.6	23.6	24.8	28.9	34.8	37.8	36.6	32.5	28.3	28.3	29.5
127.5°	22.4	22.4	23.0	25.4	30.7	32.5	31.3	27.2	24.8	24.8	25.4
130°	21.3	21.3	21.3	23.0	26.6	27.8	26.6	23.0	21.3	21.3	22.4
132.5°	20.1	20.1	20.1	20.1	22.4	23.6	21.8	18.9	18.3	18.9	19.5
135°	18.9	18.9	18.3	17.7	18.9	19.5	17.7	15.9	15.9	15.9	17.1
137.5°	17.7	17.1	16.5	15.9	15.4	15.4	14.2	12.4	13.6	13.6	14.8
140°	15.9	15.4	14.8	13.6	12.4	11.8	10.6	10.0	11.2	11.2	11.8
142.5°	14.2	13.6	13.0	11.2	9.4	8.3	7.1	7.7	8.9	8.9	9.4
145°	11.8	11.8	10.6	8.9	7.1	5.9	4.7	5.3	6.5	6.5	7.1
147.5°	10.0	9.4	8.9	7.1	4.7	3.5	2.4	3.5	4.7	4.7	5.3
150°	7.7	7.1	6.5	4.7	3.0	1.2	1.2	2.4	3.0	3.0	3.5
152.5°	5.3	5.3	4.7	3.0	1.2	0.0	0.6	1.2	1.8	1.8	2.4
155°	3.5	3.0	2.4	1.8	0.6	0.0	0.0	0.6	1.2	1.2	1.2
157.5°	1.8	1.8	1.2	1.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	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°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	225.6	223.2	217.9	213.2	208.5	204.3	202.0	199.0	198.4	197.8	197.8
5°	233.8	228.5	217.9	207.9	198.4	190.7	184.8	178.9	176.0	174.8	174.2
7.5°	248.0	239.8	222.6	207.3	193.1	181.3	171.8	164.8	160.6	158.3	157.7
10°	267.5	255.7	232.1	210.8	191.9	176.6	164.8	156.5	151.2	148.8	148.2
12.5°	298.2	279.3	249.8	219.7	194.9	176.0	162.4	153.5	151.2	148.8	148.8
15°	333.1	314.2	273.4	236.2	204.3	179.5	167.7	161.8	158.3	156.5	155.9
17.5°	377.9	349.0	300.0	253.9	216.1	192.5	177.2	170.7	167.1	165.3	164.8
20°	424.0	389.7	329.5	273.4	232.1	207.9	189.6	179.5	176.0	174.2	173.6
22.5°	478.9	437.6	360.2	294.1	250.4	222.0	201.4	189.6	185.4	183.7	184.2
25°	535.0	490.7	393.3	315.9	267.5	233.8	212.6	199.0	196.1	193.7	193.7
27.5°	603.5	544.5	426.9	340.7	282.3	244.5	222.6	209.0	203.7	203.7	203.1
30°	675.6	601.7	463.6	362.0	295.3	253.9	230.3	217.9	212.6	212.0	212.0
32.5°	745.8	663.2	499.6	383.2	305.3	260.4	237.4	225.6	219.1	218.5	219.1
35°	827.9	725.8	533.2	400.4	314.2	265.7	242.7	232.1	225.0	224.4	224.4
37.5°	905.9	790.1	565.7	414.0	320.1	269.3	246.8	237.4	229.7	229.1	228.5
40°	987.4	850.9	595.2	425.2	323.0	271.6	249.2	240.9	233.8	231.5	231.5
42.5°	1070.0	912.4	620.0	431.7	324.8	272.2	251.0	243.3	236.8	232.7	232.7
45°	1147.4	964.9	640.7	435.2	324.8	272.8	252.2	245.1	239.2	233.8	233.3
47.5°	1232.4	1018.1	656.7	435.8	323.0	271.6	252.7	246.8	240.3	234.4	233.8
50°	1306.8	1068.3	666.7	434.0	320.7	271.1	253.3	247.4	242.1	235.0	235.0
52.5°	1372.4	1108.4	671.4	429.3	317.7	269.9	253.3	248.6	243.9	236.2	235.6
55°	1430.2	1139.7	670.8	422.2	313.0	268.1	252.7	248.6	245.1	236.8	236.8
57.5°	1479.9	1161.6	665.5	414.0	308.3	266.9	252.7	249.2	246.2	238.6	238.6
60°	1513.5	1174.0	654.9	403.9	303.5	264.6	252.2	249.8	248.0	240.3	240.9
62.5°	1529.5	1172.2	638.4	393.3	298.2	262.2	251.0	249.2	248.6	242.7	242.7
64°	1528.3	1163.9	627.1	385.6	294.7	261.0	250.4	248.6	249.2	243.9	243.9
65°	1520.6	1152.1	615.3	379.7	291.7	259.8	249.2	248.0	249.2	243.9	243.9
67.5°	1483.4	1115.5	585.2	364.9	284.0	254.5	245.7	245.1	246.8	243.3	242.7
70°	1409.6	1057.6	552.7	346.0	274.6	248.6	240.3	239.8	242.1	239.2	238.0
72.5°	1309.2	977.3	513.2	326.6	263.4	240.3	233.3	232.7	233.8	232.1	230.3
75°	1182.8	882.8	468.9	304.7	251.0	229.7	223.2	222.0	223.8	221.4	220.3
77.5°	1042.3	778.3	422.2	281.7	235.0	217.9	211.4	209.6	209.6	206.7	203.7
80°	887.6	671.4	375.6	258.1	218.5	203.1	197.8	195.5	193.7	189.0	186.0
82.5°	741.1	571.0	327.7	233.8	200.8	187.2	181.9	178.9	174.8	168.9	164.8
85°	602.9	475.4	284.0	207.9	183.1	170.1	165.9	160.6	155.3	148.8	143.5
87.5°	484.2	389.2	245.1	184.8	163.0	152.9	148.2	141.1	135.8	128.7	124.0
90°	384.4	318.9	209.6	162.4	145.3	136.4	132.3	125.2	117.5	109.8	105.7
92.5°	310.0	259.8	180.7	143.5	129.9	122.2	116.9	109.8	101.0	93.3	90.4
95°	246.2	210.2	154.1	127.0	115.2	108.1	102.8	96.3	86.8	77.9	75.6
97.5°	194.9	173.0	131.7	111.6	102.2	96.3	90.4	84.4	75.0	66.1	65.0
100°	156.5	140.5	112.8	98.6	90.4	85.0	80.3	73.8	65.0	55.5	55.5
102.5°	126.4	116.3	96.8	86.8	80.3	75.6	70.9	65.0	56.1	47.8	47.2
105°	103.3	96.3	83.3	76.8	71.5	67.9	63.2	56.7	48.4	40.7	40.2
107.5°	86.2	79.7	72.0	67.9	63.8	60.2	56.7	50.2	41.9	35.4	35.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	70.9	68.5	62.6	59.6	57.3	53.7	50.2	43.7	36.0	31.3	31.3
112.5°	60.2	57.9	54.9	53.1	50.8	48.4	44.3	38.4	31.3	27.8	27.8
115°	50.8	49.6	47.8	46.7	45.5	43.1	39.0	33.1	26.6	24.2	24.8
117.5°	44.3	43.7	42.5	41.9	40.7	37.8	34.3	28.9	23.0	21.8	21.8
120°	38.4	38.4	37.2	37.2	36.0	33.7	29.5	24.8	20.1	19.5	19.5
122.5°	33.7	33.7	33.1	33.1	31.9	29.5	26.0	21.3	17.1	17.1	17.7
125°	29.5	29.5	28.9	28.9	28.3	26.0	22.4	18.3	15.4	15.4	15.4
127.5°	26.0	26.0	26.0	25.4	24.2	22.4	18.9	15.4	13.6	13.6	13.6
130°	23.0	23.0	22.4	22.4	21.3	18.9	15.9	13.0	11.2	12.4	12.4
132.5°	20.1	20.1	20.1	18.9	17.7	15.9	13.0	10.6	10.0	10.6	10.6
135°	17.1	17.7	17.1	16.5	15.4	13.0	10.6	8.9	8.9	9.4	9.4
137.5°	14.8	14.8	14.8	13.6	12.4	10.6	8.3	7.1	7.7	8.3	8.3
140°	12.4	12.4	11.8	11.2	10.0	8.3	6.5	5.3	6.5	7.1	7.1
142.5°	10.0	10.0	9.4	8.9	7.1	5.9	4.1	4.1	5.3	5.9	5.9
145°	7.7	7.7	7.1	6.5	5.3	3.5	3.0	3.5	4.7	4.7	4.7
147.5°	5.3	5.3	5.3	4.1	3.0	1.8	1.2	2.4	3.5	3.5	4.1
150°	3.5	3.5	3.5	3.0	1.8	0.6	0.6	1.8	2.4	3.0	3.0
152.5°	2.4	2.4	2.4	1.8	1.2	0.0	0.0	1.2	1.8	1.8	1.8
155°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.6	1.2	1.2	1.2
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	1.2	0.6	0.6
160°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	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)