

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: P415472

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5468 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

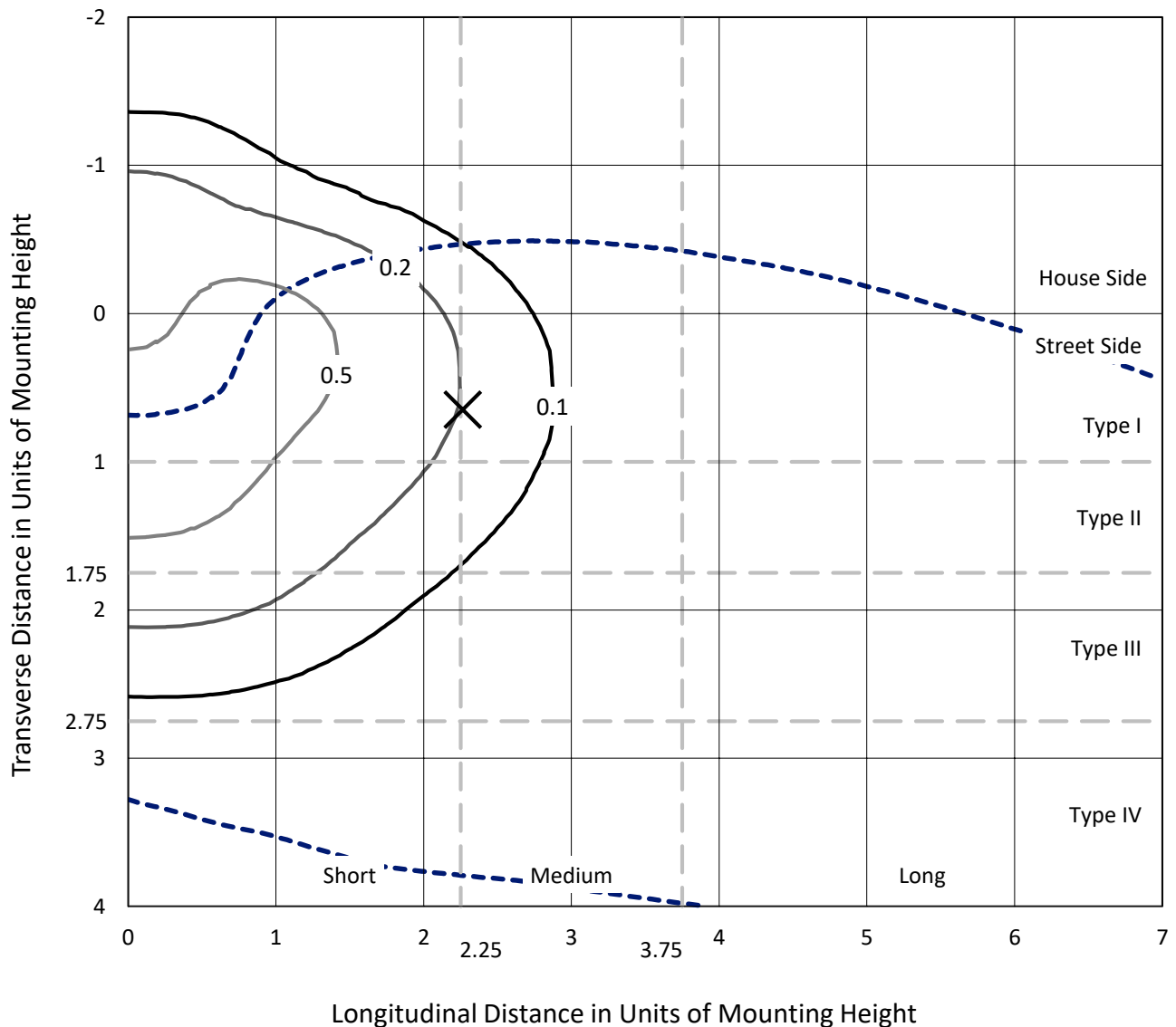
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

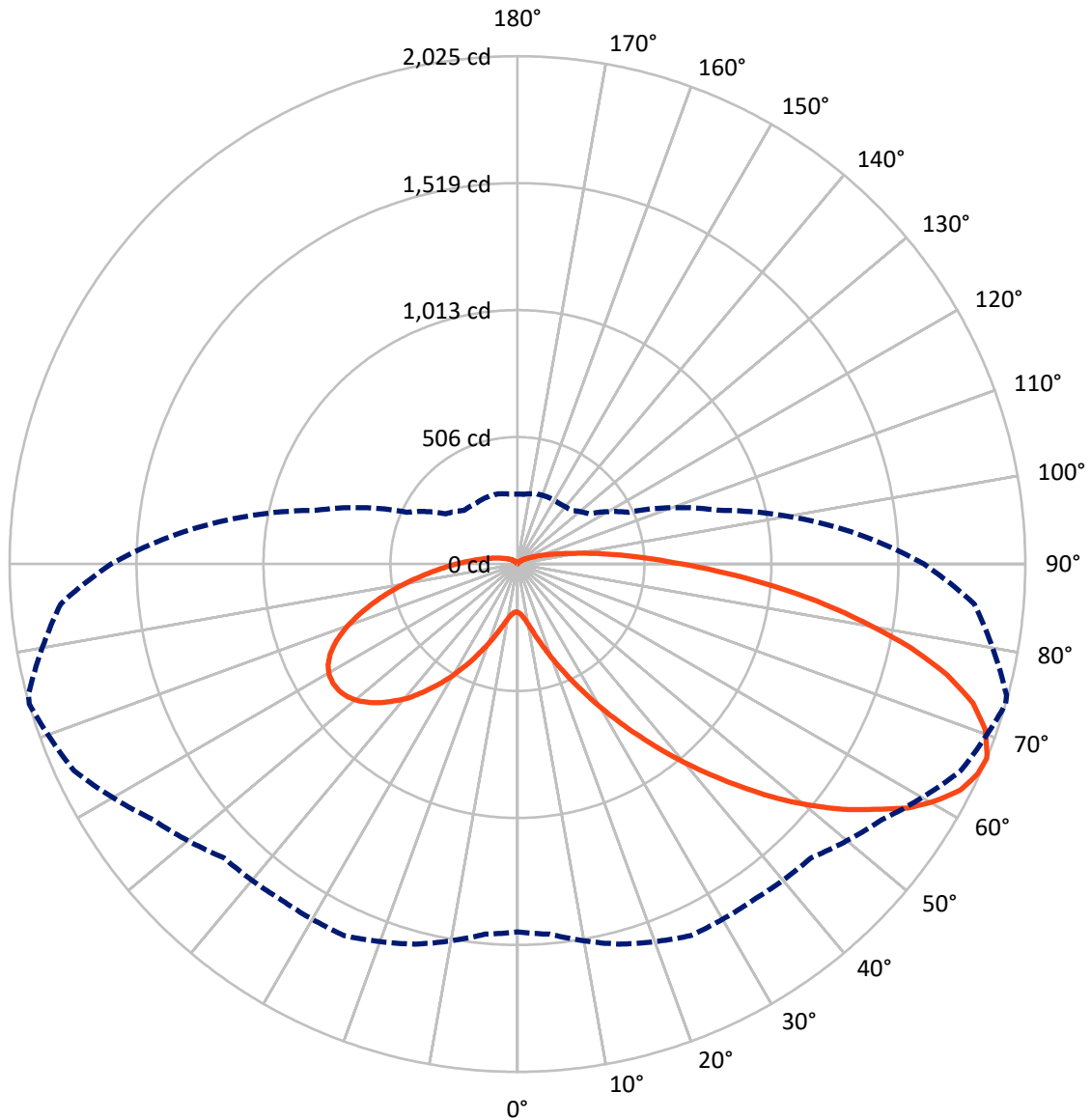
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1318.1	163.0	1481.1
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	3703.1	283.8	3986.9
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	5021.2	446.8	5468.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	0.4
10°-20°	83.9	1.5
20°-30°	212.4	3.9
30°-40°	426.2	7.8
40°-50°	715.4	13.1
50°-60°	1003.6	18.4
60°-70°	1121.8	20.5
70°-80°	915.2	16.7
80°-90°	522.4	9.6
90°-100°	238.8	4.4
100°-110°	109.3	2.0
110°-120°	53.9	1.0
120°-130°	27.4	0.5
130°-140°	12.7	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°	5021.2	91.8
0°-180°	5468.0	100.0

**Coefficient of Utilization**



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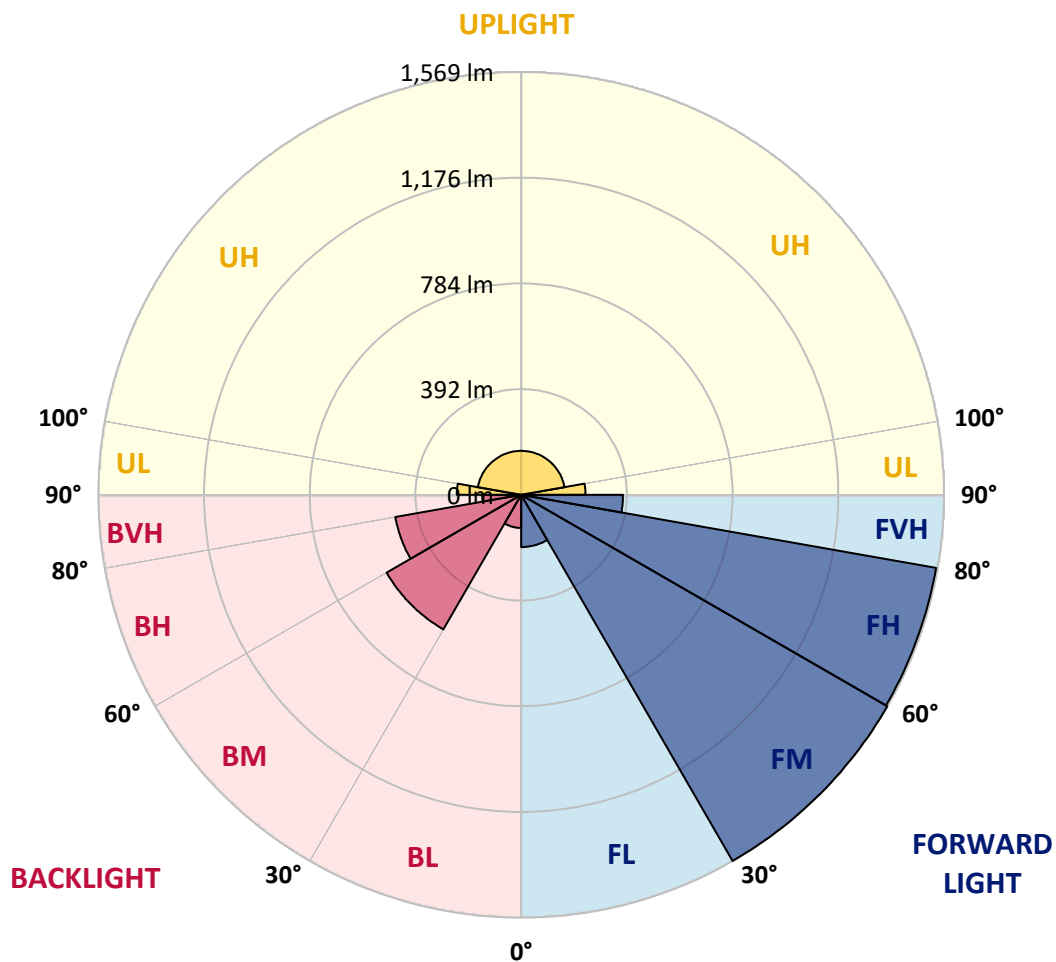
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.8	3.5			
FM	(30°-60°)	1568.6	28.7			
FH	(60°-80°)	1563.0	28.6			G1/1800
FVH	(80°-90°)	377.7	6.9			G3/500
BL	(0°-30°)	122.8	2.2	B1/500		
BM	(30°-60°)	576.6	10.5	B1/1000		
BH	(60°-80°)	473.9	8.7	B1/500		G1/500
BVH	(80°-90°)	144.7	2.6			G2/225
UL	(90°-100°)	238.8	4.4		U3/500	
UH	(100°-180°)	163.0	3.0		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	209.6	208.3	208.3	207.0	206.4	203.8	201.9	199.3	198.0	197.4	195.5
5°	228.9	227.0	227.0	225.7	223.1	219.9	215.4	212.8	208.3	209.0	203.2
7.5°	252.0	251.4	250.1	247.5	244.3	240.5	236.0	230.2	225.0	225.0	218.0
10°	282.9	279.0	279.0	275.8	272.6	266.8	260.4	254.0	246.9	246.3	236.6
12.5°	320.2	319.6	315.7	311.2	306.0	300.3	290.0	283.5	276.5	275.8	265.5
15°	363.9	362.0	356.8	354.9	347.2	336.9	328.6	322.1	315.1	312.5	299.0
17.5°	415.4	412.8	410.9	401.2	394.8	386.4	376.8	368.4	356.2	354.9	340.1
20°	475.8	470.0	464.2	456.5	446.2	438.5	428.2	420.5	406.4	406.4	386.4
22.5°	539.4	538.2	533.0	520.2	506.0	498.3	488.7	473.2	461.6	458.4	436.6
25°	616.6	615.3	605.0	591.5	576.7	565.2	549.7	533.0	523.4	522.7	498.3
27.5°	704.0	706.0	688.0	670.6	650.7	632.0	615.3	607.0	594.1	592.2	563.9
30°	809.5	801.1	782.5	757.4	729.8	706.0	688.6	680.3	671.9	671.3	637.2
32.5°	916.9	907.2	891.1	856.4	817.8	781.2	772.8	765.8	756.1	751.0	716.9
35°	1035.8	1028.1	1004.9	959.3	907.9	868.0	850.6	851.9	847.4	844.9	803.7
37.5°	1167.0	1153.5	1122.0	1077.6	1001.7	958.7	938.7	949.7	947.1	941.9	898.9
40°	1290.4	1288.5	1255.1	1186.3	1109.8	1048.7	1035.2	1053.8	1050.6	1044.2	996.6
42.5°	1433.2	1419.0	1381.7	1304.6	1212.0	1144.5	1129.7	1157.3	1161.2	1162.5	1098.8
45°	1555.3	1548.9	1513.5	1424.8	1318.1	1244.8	1232.6	1262.1	1275.0	1276.3	1206.2
47.5°	1674.3	1671.7	1635.7	1543.8	1421.6	1343.8	1327.7	1370.2	1397.2	1391.4	1308.4
50°	1763.6	1768.1	1739.2	1651.8	1524.5	1431.9	1435.7	1487.8	1512.9	1509.7	1417.7
52.5°	1840.2	1833.7	1821.5	1738.6	1606.1	1521.2	1525.7	1588.1	1625.4	1623.5	1521.2
55°	1868.4	1866.5	1867.8	1800.3	1673.0	1594.5	1608.0	1696.1	1727.0	1723.1	1605.5
57.5°	1862.7	1861.4	1881.3	1836.9	1727.0	1652.4	1683.3	1784.9	1835.7	1830.5	1694.2
60°	1818.9	1813.2	1856.2	1840.2	1748.9	1688.4	1742.4	1862.7	1917.3	1916.0	1766.9
62.5°	1720.6	1729.6	1789.4	1804.1	1742.4	1707.1	1777.8	1923.1	1984.2	1979.7	1818.9
65°	1583.6	1606.1	1678.1	1729.6	1698.7	1690.3	1790.6	1950.1	2017.6	2017.0	1837.6
67°	1466.6	1482.0	1569.5	1635.1	1637.0	1656.3	1775.9	1950.7	2025.3	2019.5	1828.6
67.5°	1425.4	1446.0	1534.7	1614.5	1622.8	1646.6	1770.1	1949.5	2020.2	2017.0	1824.1
70°	1239.0	1262.8	1359.9	1460.2	1511.6	1563.0	1717.3	1913.5	1979.0	1972.0	1772.0
72.5°	1050.0	1083.4	1175.3	1294.3	1369.5	1454.4	1626.0	1823.4	1900.6	1885.8	1670.4
75°	868.6	891.1	980.5	1109.1	1206.8	1321.9	1501.3	1701.9	1771.4	1759.1	1541.2
77.5°	692.5	713.0	799.2	928.4	1039.0	1168.3	1355.4	1549.5	1603.5	1596.5	1377.2
80°	546.5	561.3	644.2	759.3	873.1	1011.4	1188.8	1362.4	1397.8	1402.9	1196.6
82.5°	420.5	439.8	511.8	613.4	720.8	852.6	1006.9	1160.5	1199.8	1186.9	1011.4
85°	321.5	337.6	401.9	488.0	595.4	706.6	844.2	970.2	987.6	972.8	819.8
87.5°	251.4	263.6	313.8	397.4	482.9	578.0	688.0	784.4	793.4	790.8	656.5
90°	194.8	205.7	247.5	313.8	392.2	473.9	560.0	627.5	623.0	626.9	517.6
92.5°	153.0	158.8	196.7	255.3	320.8	386.4	452.0	497.0	496.4	485.4	403.8
95°	124.1	127.3	160.1	209.0	261.7	313.8	362.6	391.6	390.3	378.7	315.1
97.5°	100.3	102.2	130.5	171.7	216.0	256.5	291.9	312.5	302.2	297.7	246.9
100°	82.3	83.6	108.0	143.4	180.0	214.7	239.8	248.2	234.0	231.5	194.2
102.5°	70.1	70.7	91.3	121.5	150.5	176.8	195.5	199.3	182.6	183.9	153.0
105°	59.8	60.4	76.5	103.5	127.9	147.9	161.4	159.5	146.0	144.0	122.2
107.5°	52.1	52.7	65.6	88.7	109.9	126.7	133.7	129.2	117.0	114.4	98.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	45.7	46.3	56.6	75.9	94.5	108.7	112.5	105.4	94.5	91.9	81.0
112.5°	41.1	41.1	49.5	65.6	82.3	93.9	95.2	88.1	75.9	74.6	67.5
115°	37.3	37.3	43.7	56.6	71.4	80.4	80.4	72.0	62.4	61.7	56.6
117.5°	34.1	34.1	38.6	49.5	61.7	69.4	68.2	60.4	52.1	51.4	48.9
120°	31.5	31.5	34.7	43.1	53.4	59.2	57.9	50.2	43.7	43.1	41.8
122.5°	28.9	29.6	31.5	37.9	46.3	50.8	49.5	43.1	37.3	36.6	36.6
125°	27.0	27.0	28.3	32.8	39.9	43.7	41.8	35.4	31.5	31.5	31.5
127.5°	25.1	25.1	25.7	28.9	34.1	36.6	34.7	29.6	27.6	27.0	27.6
130°	23.1	23.1	23.8	25.1	28.9	30.2	28.3	25.1	23.1	23.1	23.8
132.5°	21.2	21.2	21.2	21.9	23.8	25.1	23.1	20.6	19.9	19.9	20.6
135°	19.3	19.9	19.3	19.3	19.9	19.9	18.0	16.7	16.7	17.4	18.0
137.5°	17.4	17.4	16.7	16.1	16.1	15.4	14.1	13.5	14.1	14.1	14.8
140°	15.4	15.4	14.8	13.5	12.2	11.6	10.9	10.3	11.6	11.6	12.2
142.5°	13.5	13.5	12.2	10.9	9.0	7.7	7.1	7.7	9.0	9.0	9.6
145°	10.9	10.9	10.3	9.0	6.4	5.1	4.5	5.8	6.4	6.4	7.1
147.5°	9.0	8.4	7.7	6.4	4.5	3.2	2.6	3.9	4.5	4.5	5.1
150°	6.4	6.4	5.8	4.5	2.6	1.3	1.3	1.9	2.6	2.6	3.2
152.5°	4.5	4.5	3.9	2.6	1.3	0.0	0.6	1.3	1.3	1.3	1.9
155°	2.6	2.6	2.6	1.9	0.6	0.0	0.0	0.6	0.6	0.6	1.3
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	1.3	0.6	0.6	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°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	194.2	192.9	191.6	189.7	188.4	187.1	185.8	185.2	185.2	184.5	185.2
5°	201.2	199.3	195.5	192.2	188.4	185.8	183.2	182.0	180.7	180.0	180.0
7.5°	214.1	211.5	205.1	199.3	193.5	189.0	185.8	182.6	181.3	180.7	180.7
10°	232.8	228.9	219.2	210.9	202.5	196.7	191.0	187.7	185.8	184.5	184.5
12.5°	259.1	252.7	240.5	226.3	215.4	207.7	200.6	197.4	196.7	196.7	196.7
15°	294.5	285.5	266.8	250.1	234.0	220.5	215.4	215.4	214.7	214.1	214.7
17.5°	331.1	320.8	297.7	276.5	256.5	243.0	234.7	232.8	232.1	231.5	232.1
20°	374.8	362.0	335.0	306.0	281.0	268.1	256.5	251.4	250.8	251.4	250.1
22.5°	424.4	410.2	370.3	335.6	308.0	290.0	276.5	269.4	270.7	270.7	270.0
25°	484.1	462.3	415.4	368.4	335.0	309.9	294.5	287.4	288.0	289.3	290.6
27.5°	544.6	519.5	459.7	402.5	358.8	329.8	311.8	304.1	303.5	307.3	306.7
30°	615.3	583.2	508.6	437.2	380.6	344.0	325.3	318.9	318.3	321.5	322.1
32.5°	691.2	651.3	559.4	471.9	399.9	356.2	335.0	330.5	329.2	332.4	333.1
35°	774.1	723.3	608.9	502.2	416.0	364.6	342.7	337.6	335.6	338.8	340.1
37.5°	854.5	795.3	659.7	529.2	428.9	369.7	345.9	342.1	339.5	341.4	342.1
40°	939.4	876.4	711.1	553.6	436.6	372.3	347.2	343.3	340.8	340.8	340.8
42.5°	1032.6	950.9	752.9	570.9	441.1	371.6	345.9	341.4	338.2	335.6	335.6
45°	1128.4	1031.3	796.0	585.1	441.7	368.4	342.7	338.8	333.7	328.6	327.9
47.5°	1221.6	1104.0	833.9	592.8	439.8	363.9	338.2	333.1	328.6	320.8	320.8
50°	1312.3	1176.6	865.4	596.7	434.0	358.8	333.7	328.6	322.8	312.5	311.2
52.5°	1395.2	1242.8	889.2	595.4	425.6	351.7	327.9	323.4	316.3	304.1	304.1
55°	1476.9	1303.9	904.0	587.0	415.4	344.0	322.8	318.3	310.6	297.7	296.4
57.5°	1543.8	1347.6	909.8	574.2	403.8	335.6	317.6	313.1	306.0	291.9	291.9
60°	1600.3	1384.3	905.9	557.4	390.9	327.9	311.2	308.6	302.2	288.7	288.7
62.5°	1633.1	1399.1	891.1	536.2	376.1	319.6	305.4	304.1	298.3	285.5	285.5
65°	1640.2	1389.4	860.9	509.9	361.3	309.9	299.0	298.3	294.5	282.3	281.0
67°	1620.9	1364.4	827.5	487.4	348.5	302.2	293.2	293.2	290.0	279.0	278.4
67.5°	1613.8	1354.7	818.5	481.6	345.9	300.9	291.9	292.5	289.3	278.4	276.5
70°	1552.1	1289.8	763.2	448.8	327.9	289.3	283.5	284.2	281.6	273.3	271.3
72.5°	1456.3	1196.6	698.3	417.3	309.9	277.8	272.0	274.5	272.0	265.5	261.7
75°	1327.1	1082.7	630.7	381.3	291.9	263.6	259.8	261.0	260.4	254.0	250.8
77.5°	1174.7	957.4	558.7	347.8	272.0	249.5	245.6	247.5	246.3	240.5	236.6
80°	1009.4	824.9	489.3	314.4	251.4	233.4	229.5	230.2	229.5	223.8	218.6
82.5°	847.4	695.0	418.6	281.6	231.5	216.0	211.5	210.9	209.6	203.2	199.3
85°	699.5	570.9	357.5	250.1	210.9	196.7	192.9	190.3	188.4	181.3	178.7
87.5°	557.4	466.8	302.2	223.1	190.3	178.7	173.6	169.1	165.9	159.5	156.9
90°	444.9	376.1	257.8	195.5	171.7	161.4	154.3	148.5	144.7	137.6	133.7
92.5°	353.0	299.6	216.7	171.7	153.7	144.7	138.2	131.2	126.0	117.0	115.1
95°	279.7	241.1	182.6	150.5	136.3	128.6	122.8	115.1	108.0	99.0	97.1
97.5°	221.2	196.7	153.7	131.8	120.2	113.8	108.0	100.3	92.6	83.6	82.3
100°	176.8	158.2	131.8	115.1	107.4	100.9	95.2	88.1	78.4	69.4	69.4
102.5°	142.1	129.9	110.6	100.9	94.5	89.4	84.2	77.2	66.9	57.2	57.2
105°	115.1	107.4	95.2	88.1	83.6	79.7	74.6	66.2	55.9	48.2	48.2
107.5°	94.5	88.7	81.7	76.5	73.9	70.1	65.6	57.2	47.6	40.5	40.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	78.4	74.6	69.4	67.5	65.6	62.4	57.2	49.5	39.9	34.7	34.7
112.5°	65.6	63.7	59.8	59.2	57.9	55.3	50.2	42.4	33.4	30.2	30.2
115°	55.9	54.7	52.1	52.1	50.8	48.9	43.7	36.6	28.9	25.7	26.4
117.5°	47.6	46.9	45.7	45.7	45.0	43.1	37.9	31.5	24.4	23.1	23.1
120°	41.8	41.1	40.5	39.9	39.9	37.3	32.8	26.4	21.2	20.6	20.6
122.5°	36.0	36.0	35.4	35.4	34.7	32.1	28.3	22.5	18.6	18.0	18.0
125°	31.5	31.5	30.9	30.9	30.2	28.3	24.4	19.3	16.1	16.1	16.1
127.5°	27.6	27.6	27.0	27.0	26.4	23.8	20.6	16.1	14.1	14.1	14.8
130°	24.4	24.4	23.8	23.1	22.5	20.6	16.7	13.5	12.2	12.9	12.9
132.5°	21.2	20.6	20.6	19.9	18.6	16.7	14.1	11.6	10.9	11.6	11.6
135°	18.0	18.0	17.4	16.7	15.4	14.1	11.6	9.6	9.6	10.3	10.3
137.5°	15.4	15.4	14.8	13.5	12.9	10.9	9.0	7.7	8.4	9.0	9.0
140°	12.2	12.9	12.2	10.9	9.6	8.4	7.1	6.4	7.1	7.7	8.4
142.5°	10.3	10.3	9.6	8.4	7.1	5.8	5.1	5.1	6.4	7.1	7.1
145°	7.7	7.7	7.1	6.4	4.5	3.9	3.2	4.5	5.1	5.8	5.8
147.5°	5.1	5.1	5.1	3.9	2.6	1.9	1.9	3.2	4.5	4.5	4.5
150°	3.2	3.2	3.2	2.6	1.3	0.6	1.3	2.6	3.2	3.9	3.9
152.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.9	2.6	2.6	2.6
155°	1.3	1.3	1.3	0.6	0.6	0.0	0.6	1.3	1.9	1.9	1.9
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3	0.6	0.6
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)