

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: P415454

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415454  
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-PA1-50-730-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 5300 lumens  
Efficiency: N/A  
Efficacy: 98.1 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

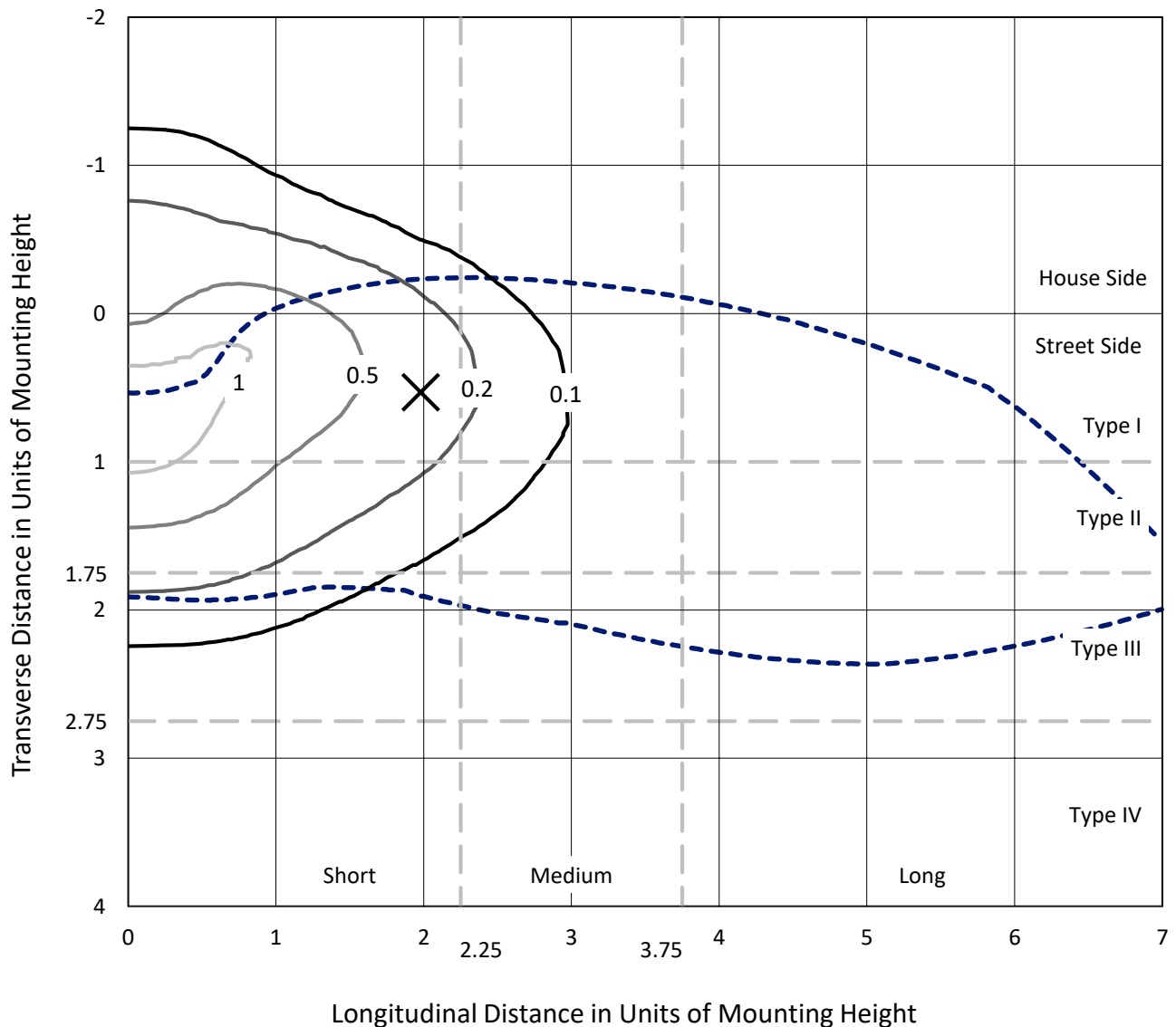
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

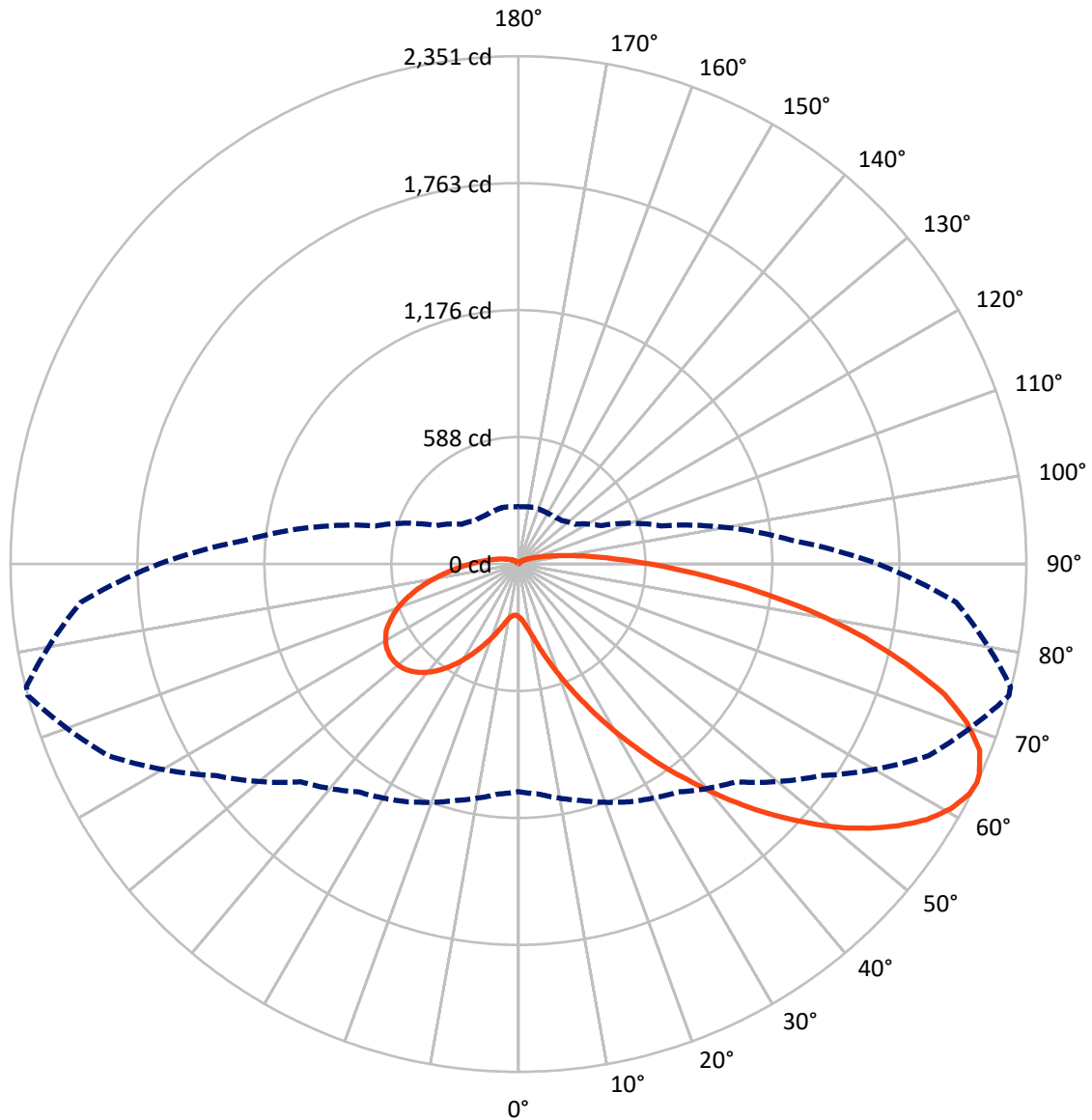


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - Non-Cutoff

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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	1169.0	153.9	1322.9
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	3742.9	234.2	3977.1
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	4911.8	388.2	5300.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	0.5
10°-20°	106.9	2.0
20°-30°	270.6	5.1
30°-40°	530.0	10.0
40°-50°	824.5	15.6
50°-60°	1011.2	19.1
60°-70°	983.0	18.5
70°-80°	741.3	14.0
80°-90°	418.6	7.9
90°-100°	197.4	3.7
100°-110°	95.4	1.8
110°-120°	50.1	0.9
120°-130°	26.9	0.5
130°-140°	13.2	0.2
140°-150°	4.5	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4911.8	92.7
0°-180°	5300.0	100.0

**Coefficient of Utilization**



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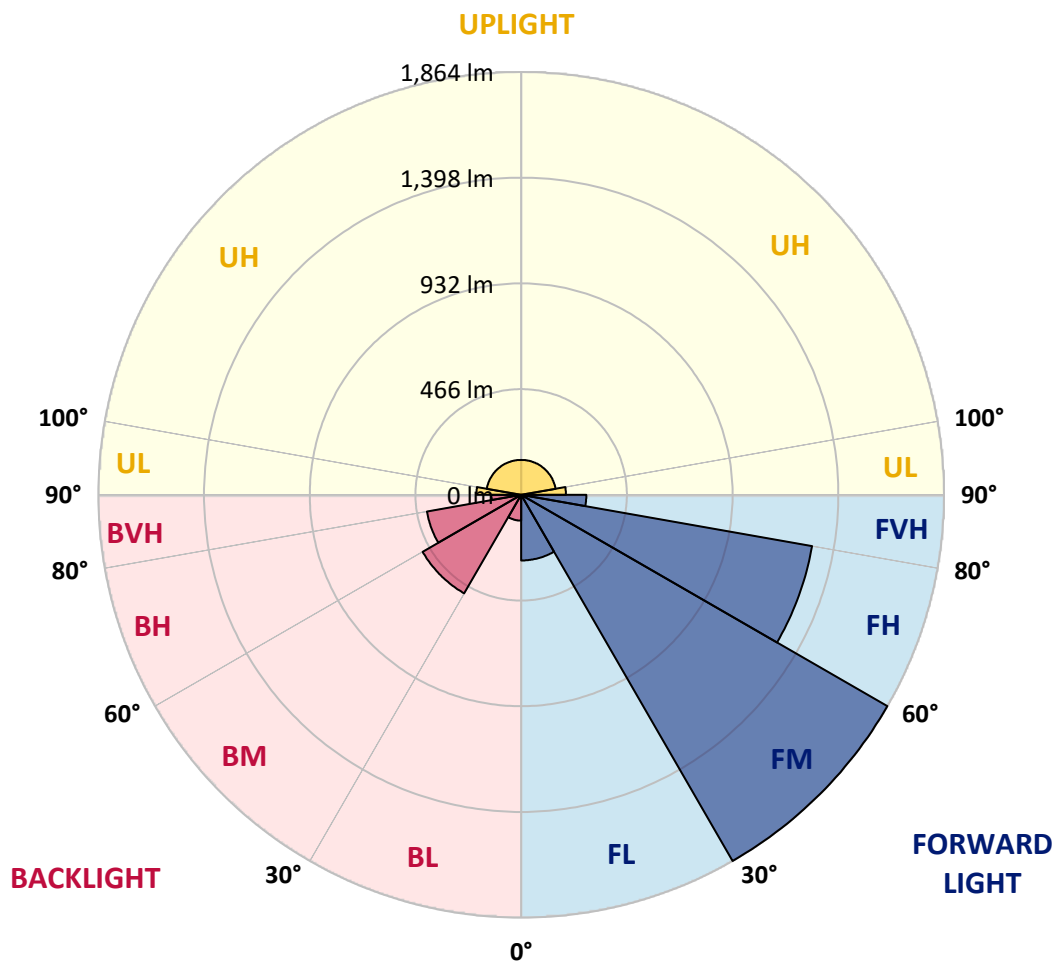
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.5	5.5			
FM	(30°-60°)	1864.0	35.2			
FH	(60°-80°)	1302.2	24.6			G1/1800
FVH	(80°-90°)	287.1	5.4			G3/500
BL	(0°-30°)	113.7	2.1	B1/500		
BM	(30°-60°)	501.7	9.5	B1/1000		
BH	(60°-80°)	422.1	8.0	B1/500		G1/500
BVH	(80°-90°)	131.5	2.5			G2/225
UL	(90°-100°)	197.4	3.7		U3/500	
UH	(100°-180°)	153.9	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°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	284.9	282.3	281.0	280.4	275.9	271.4	266.2	261.1	255.3	254.0	248.9
5°	329.2	326.0	324.7	320.9	314.5	306.7	295.8	285.5	272.7	273.3	261.7
7.5°	380.0	377.5	373.6	367.8	358.2	347.9	331.8	316.4	299.0	297.1	280.4
10°	437.9	436.0	432.1	423.1	410.9	393.6	377.5	354.3	329.9	328.6	304.2
12.5°	507.4	504.8	493.9	484.9	468.8	452.7	428.3	400.6	374.3	371.0	340.8
15°	585.8	582.0	574.3	560.1	542.7	516.4	490.7	463.0	428.3	422.5	387.1
17.5°	666.2	666.2	656.6	639.8	616.1	592.9	564.6	529.9	486.2	485.5	438.6
20°	767.2	765.9	751.1	726.7	702.9	678.4	644.3	605.1	556.2	551.7	494.5
22.5°	876.5	875.2	857.2	830.8	800.0	765.2	727.3	686.1	632.8	627.0	560.1
25°	994.8	994.2	975.5	935.0	895.8	863.0	823.8	778.1	716.4	715.1	634.7
27.5°	1138.9	1131.8	1102.8	1053.3	1003.8	961.4	915.7	874.6	812.8	803.2	713.8
30°	1277.8	1273.9	1234.7	1181.3	1113.1	1057.2	1010.9	979.4	915.7	906.7	806.4
32.5°	1421.2	1418.6	1371.0	1309.3	1225.0	1155.6	1119.6	1085.5	1024.4	1020.5	897.7
35°	1580.0	1569.7	1515.1	1430.2	1332.4	1254.6	1222.5	1207.0	1146.6	1132.4	998.0
37.5°	1709.9	1702.2	1652.7	1549.1	1434.0	1350.4	1326.0	1315.7	1263.6	1257.8	1106.7
40°	1835.3	1829.5	1769.1	1657.2	1526.0	1442.4	1417.9	1435.3	1393.5	1384.5	1216.0
42.5°	1926.0	1918.2	1862.3	1743.3	1605.7	1517.6	1517.0	1556.8	1526.6	1517.0	1329.2
45°	1980.0	1972.3	1926.0	1811.5	1668.1	1583.2	1598.0	1668.1	1659.1	1647.5	1432.7
47.5°	1985.1	1980.6	1947.2	1841.1	1706.0	1634.7	1677.1	1777.4	1787.1	1776.1	1543.3
50°	1938.2	1942.7	1921.5	1837.2	1719.5	1668.1	1741.4	1881.0	1916.3	1903.5	1653.3
52.5°	1849.4	1844.3	1853.3	1793.5	1705.4	1679.7	1785.1	1967.8	2032.7	2019.9	1754.9
55°	1701.5	1705.4	1736.9	1714.4	1661.0	1666.2	1811.5	2036.6	2138.2	2127.9	1846.9
57.5°	1545.9	1536.9	1593.5	1597.4	1582.6	1630.2	1814.7	2088.7	2231.4	2220.5	1926.0
60°	1342.1	1363.9	1414.7	1458.5	1484.2	1570.4	1793.5	2115.7	2299.6	2296.4	1989.6
62.5°	1165.9	1170.4	1239.2	1305.4	1367.1	1486.1	1746.6	2115.0	2344.0	2340.1	2027.6
64°	1054.0	1068.8	1133.7	1214.1	1288.0	1425.7	1708.0	2097.0	2351.0	2347.8	2034.0
65°	992.9	991.0	1068.8	1149.8	1229.5	1380.0	1668.7	2077.7	2344.6	2344.6	2031.4
67.5°	825.0	831.5	899.6	992.9	1091.3	1259.1	1568.4	2008.9	2302.2	2306.7	1994.1
70°	680.4	690.0	764.6	847.6	956.2	1137.6	1444.3	1884.8	2202.5	2208.9	1913.7
72.5°	561.4	572.3	627.0	710.6	830.8	1009.6	1304.1	1729.2	2061.7	2064.2	1779.3
75°	456.6	468.8	524.1	596.8	700.9	872.0	1151.1	1560.1	1856.5	1869.4	1605.7
77.5°	371.7	384.6	435.4	500.9	600.0	745.9	999.3	1364.6	1638.5	1646.2	1407.0
80°	300.3	313.8	358.8	420.6	506.7	635.3	857.2	1164.6	1403.2	1403.2	1202.5
82.5°	243.7	255.3	295.8	349.2	427.6	536.3	720.2	967.8	1160.1	1160.7	993.5
85°	196.8	203.9	243.7	290.7	355.6	449.5	595.5	787.7	935.7	922.1	800.6
87.5°	158.2	164.6	198.1	243.7	295.2	374.9	488.7	641.1	735.7	740.2	639.2
90°	127.3	131.2	162.1	200.6	248.2	310.0	397.4	509.9	578.8	573.0	500.9
92.5°	103.5	108.0	134.4	169.1	209.0	260.4	327.3	403.8	448.2	449.5	391.6
95°	84.9	87.5	111.9	142.8	178.8	218.0	266.9	321.5	351.8	347.9	304.8
97.5°	70.7	72.0	94.5	122.2	151.8	183.9	222.5	255.9	272.7	270.1	238.6
100°	59.8	61.1	80.4	106.1	131.2	156.9	183.9	206.4	212.2	209.0	187.8
102.5°	52.1	52.7	68.8	92.0	113.2	134.4	153.0	167.2	166.6	166.6	148.5
105°	45.7	46.3	59.8	80.4	99.7	116.4	129.3	136.3	133.8	132.5	119.0
107.5°	41.2	41.8	52.7	70.7	88.1	101.0	110.6	112.5	107.4	106.1	96.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	37.3	37.3	46.3	62.4	77.8	88.1	94.5	94.5	86.8	86.2	79.7
112.5°	34.1	34.7	41.8	55.3	68.8	77.8	81.7	78.5	71.4	70.7	67.5
115°	31.5	32.2	37.3	49.5	61.1	68.8	70.7	66.2	59.2	58.5	55.9
117.5°	29.6	30.2	34.1	43.7	54.7	60.4	61.1	56.6	49.5	48.9	48.2
120°	28.3	28.3	31.5	39.2	48.2	53.4	52.7	48.2	42.4	41.8	41.8
122.5°	27.0	27.0	28.9	34.7	42.4	46.9	46.3	41.2	36.0	36.0	36.0
125°	25.7	25.7	27.0	31.5	37.9	41.2	39.9	35.4	30.9	30.9	32.2
127.5°	24.4	24.4	25.1	27.7	33.4	35.4	34.1	29.6	27.0	27.0	27.7
130°	23.2	23.2	23.2	25.1	28.9	30.2	28.9	25.1	23.2	23.2	24.4
132.5°	21.9	21.9	21.9	21.9	24.4	25.7	23.8	20.6	19.9	20.6	21.2
135°	20.6	20.6	19.9	19.3	20.6	21.2	19.3	17.4	17.4	17.4	18.6
137.5°	19.3	18.6	18.0	17.4	16.7	16.7	15.4	13.5	14.8	14.8	16.1
140°	17.4	16.7	16.1	14.8	13.5	12.9	11.6	10.9	12.2	12.2	12.9
142.5°	15.4	14.8	14.1	12.2	10.3	9.0	7.7	8.4	9.6	9.6	10.3
145°	12.9	12.9	11.6	9.6	7.7	6.4	5.1	5.8	7.1	7.1	7.7
147.5°	10.9	10.3	9.6	7.7	5.1	3.9	2.6	3.9	5.1	5.1	5.8
150°	8.4	7.7	7.1	5.1	3.2	1.3	1.3	2.6	3.2	3.2	3.9
152.5°	5.8	5.8	5.1	3.2	1.3	0.0	0.6	1.3	1.9	1.9	2.6
155°	3.9	3.2	2.6	1.9	0.6	0.0	0.0	0.6	1.3	1.3	1.3
157.5°	1.9	1.9	1.3	1.3	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°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5°	245.6	243.1	237.3	232.1	227.0	222.5	219.9	216.7	216.1	215.4	215.4
5°	254.7	248.9	237.3	226.4	216.1	207.7	201.3	194.8	191.6	190.3	189.7
7.5°	270.1	261.1	242.4	225.7	210.3	197.4	187.1	179.4	174.9	172.3	171.7
10°	291.3	278.4	252.7	229.6	209.0	192.3	179.4	170.4	164.6	162.1	161.4
12.5°	324.7	304.2	272.0	239.2	212.2	191.6	176.8	167.2	164.6	162.1	162.1
15°	362.7	342.1	297.7	257.2	222.5	195.5	182.6	176.2	172.3	170.4	169.8
17.5°	411.6	380.0	326.7	276.5	235.4	209.6	192.9	185.8	182.0	180.1	179.4
20°	461.7	424.4	358.8	297.7	252.7	226.4	206.4	195.5	191.6	189.7	189.1
22.5°	521.5	476.5	392.3	320.2	272.7	241.8	219.3	206.4	201.9	200.0	200.6
25°	582.6	534.4	428.3	344.0	291.3	254.7	231.5	216.7	213.5	210.9	210.9
27.5°	657.2	592.9	464.9	371.0	307.4	266.2	242.4	227.6	221.9	221.9	221.2
30°	735.7	655.3	504.8	394.2	321.5	276.5	250.8	237.3	231.5	230.9	230.9
32.5°	812.2	722.2	544.0	417.3	332.5	283.6	258.5	245.6	238.6	237.9	238.6
35°	901.6	790.3	580.7	436.0	342.1	289.4	264.3	252.7	245.0	244.4	244.4
37.5°	986.5	860.4	616.1	450.8	348.5	293.2	268.8	258.5	250.2	249.5	248.9
40°	1075.2	926.6	648.2	463.0	351.8	295.8	271.4	262.4	254.7	252.1	252.1
42.5°	1165.2	993.5	675.2	470.1	353.7	296.5	273.3	264.9	257.9	253.4	253.4
45°	1249.5	1050.8	697.7	473.9	353.7	297.1	274.6	266.9	260.4	254.7	254.0
47.5°	1342.1	1108.6	715.1	474.6	351.8	295.8	275.2	268.8	261.7	255.3	254.7
50°	1423.1	1163.3	726.0	472.6	349.2	295.2	275.9	269.4	263.7	255.9	255.9
52.5°	1494.5	1207.0	731.2	467.5	346.0	293.9	275.9	270.7	265.6	257.2	256.6
55°	1557.5	1241.1	730.5	459.8	340.8	291.9	275.2	270.7	266.9	257.9	257.9
57.5°	1611.5	1264.9	724.7	450.8	335.7	290.7	275.2	271.4	268.2	259.8	259.8
60°	1648.2	1278.4	713.2	439.9	330.5	288.1	274.6	272.0	270.1	261.7	262.4
62.5°	1665.5	1276.5	695.1	428.3	324.7	285.5	273.3	271.4	270.7	264.3	264.3
64°	1664.2	1267.5	682.9	419.9	320.9	284.2	272.7	270.7	271.4	265.6	265.6
65°	1655.9	1254.6	670.1	413.5	317.7	282.9	271.4	270.1	271.4	265.6	265.6
67.5°	1615.4	1214.7	637.3	397.4	309.3	277.2	267.5	266.9	268.8	264.9	264.3
70°	1535.0	1151.7	601.9	376.8	299.0	270.7	261.7	261.1	263.7	260.4	259.2
72.5°	1425.7	1064.3	558.8	355.6	286.8	261.7	254.0	253.4	254.7	252.7	250.8
75°	1288.0	961.4	510.6	331.8	273.3	250.2	243.1	241.8	243.7	241.1	239.9
77.5°	1135.0	847.6	459.8	306.7	255.9	237.3	230.2	228.3	228.3	225.1	221.9
80°	966.5	731.2	409.0	281.0	237.9	221.2	215.4	212.9	210.9	205.8	202.6
82.5°	807.0	621.8	356.9	254.7	218.6	203.9	198.1	194.8	190.3	183.9	179.4
85°	656.6	517.7	309.3	226.4	199.3	185.2	180.7	174.9	169.1	162.1	156.3
87.5°	527.3	423.8	266.9	201.3	177.5	166.6	161.4	153.7	147.9	140.2	135.0
90°	418.6	347.3	228.3	176.8	158.2	148.5	144.0	136.3	128.0	119.6	115.1
92.5°	337.6	282.9	196.8	156.3	141.5	133.1	127.3	119.6	110.0	101.6	98.4
95°	268.2	228.9	167.8	138.3	125.4	117.7	111.9	104.8	94.5	84.9	82.3
97.5°	212.2	188.4	143.4	121.5	111.2	104.8	98.4	92.0	81.7	72.0	70.7
100°	170.4	153.0	122.8	107.4	98.4	92.6	87.5	80.4	70.7	60.4	60.4
102.5°	137.6	126.7	105.5	94.5	87.5	82.3	77.2	70.7	61.1	52.1	51.4
105°	112.5	104.8	90.7	83.6	77.8	74.0	68.8	61.7	52.7	44.4	43.7
107.5°	93.9	86.8	78.5	74.0	69.5	65.6	61.7	54.7	45.7	38.6	38.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77.2	74.6	68.2	64.9	62.4	58.5	54.7	47.6	39.2	34.1	34.1
112.5°	65.6	63.0	59.8	57.9	55.3	52.7	48.2	41.8	34.1	30.2	30.2
115°	55.3	54.0	52.1	50.8	49.5	46.9	42.4	36.0	28.9	26.4	27.0
117.5°	48.2	47.6	46.3	45.7	44.4	41.2	37.3	31.5	25.1	23.8	23.8
120°	41.8	41.8	40.5	40.5	39.2	36.7	32.2	27.0	21.9	21.2	21.2
122.5°	36.7	36.7	36.0	36.0	34.7	32.2	28.3	23.2	18.6	18.6	19.3
125°	32.2	32.2	31.5	31.5	30.9	28.3	24.4	19.9	16.7	16.7	16.7
127.5°	28.3	28.3	28.3	27.7	26.4	24.4	20.6	16.7	14.8	14.8	14.8
130°	25.1	25.1	24.4	24.4	23.2	20.6	17.4	14.1	12.2	13.5	13.5
132.5°	21.9	21.9	21.9	20.6	19.3	17.4	14.1	11.6	10.9	11.6	11.6
135°	18.6	19.3	18.6	18.0	16.7	14.1	11.6	9.6	9.6	10.3	10.3
137.5°	16.1	16.1	16.1	14.8	13.5	11.6	9.0	7.7	8.4	9.0	9.0
140°	13.5	13.5	12.9	12.2	10.9	9.0	7.1	5.8	7.1	7.7	7.7
142.5°	10.9	10.9	10.3	9.6	7.7	6.4	4.5	4.5	5.8	6.4	6.4
145°	8.4	8.4	7.7	7.1	5.8	3.9	3.2	3.9	5.1	5.1	5.1
147.5°	5.8	5.8	5.8	4.5	3.2	1.9	1.3	2.6	3.9	3.9	4.5
150°	3.9	3.9	3.9	3.2	1.9	0.6	0.6	1.9	2.6	3.2	3.2
152.5°	2.6	2.6	2.6	1.9	1.3	0.0	0.0	1.3	1.9	1.9	1.9
155°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.6	1.3	1.3	1.3
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	1.3	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)