

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: P416503

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5701 lumens  
Efficiency: N/A  
Efficacy: 77.0 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: B2 - U3 - G3

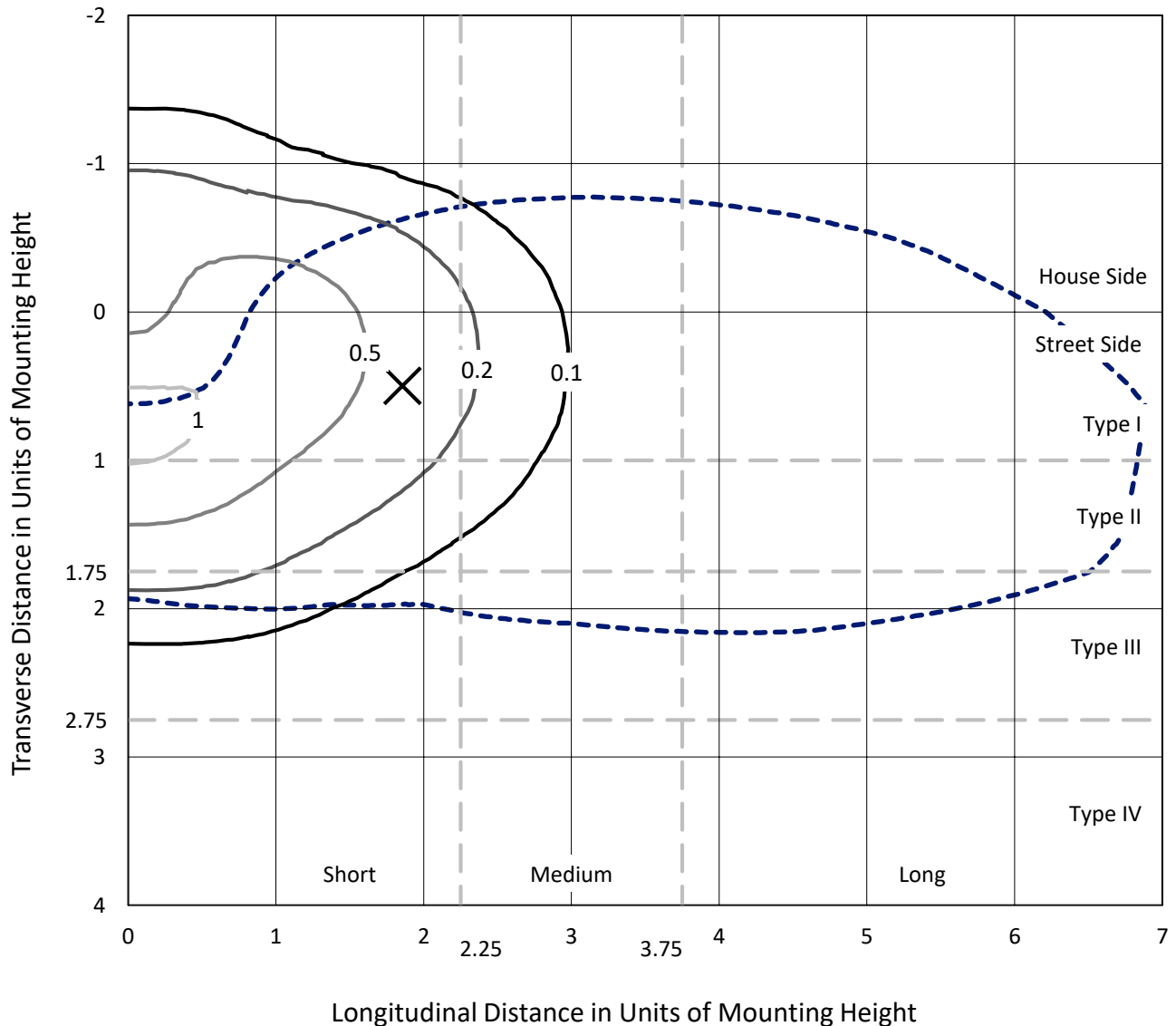
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

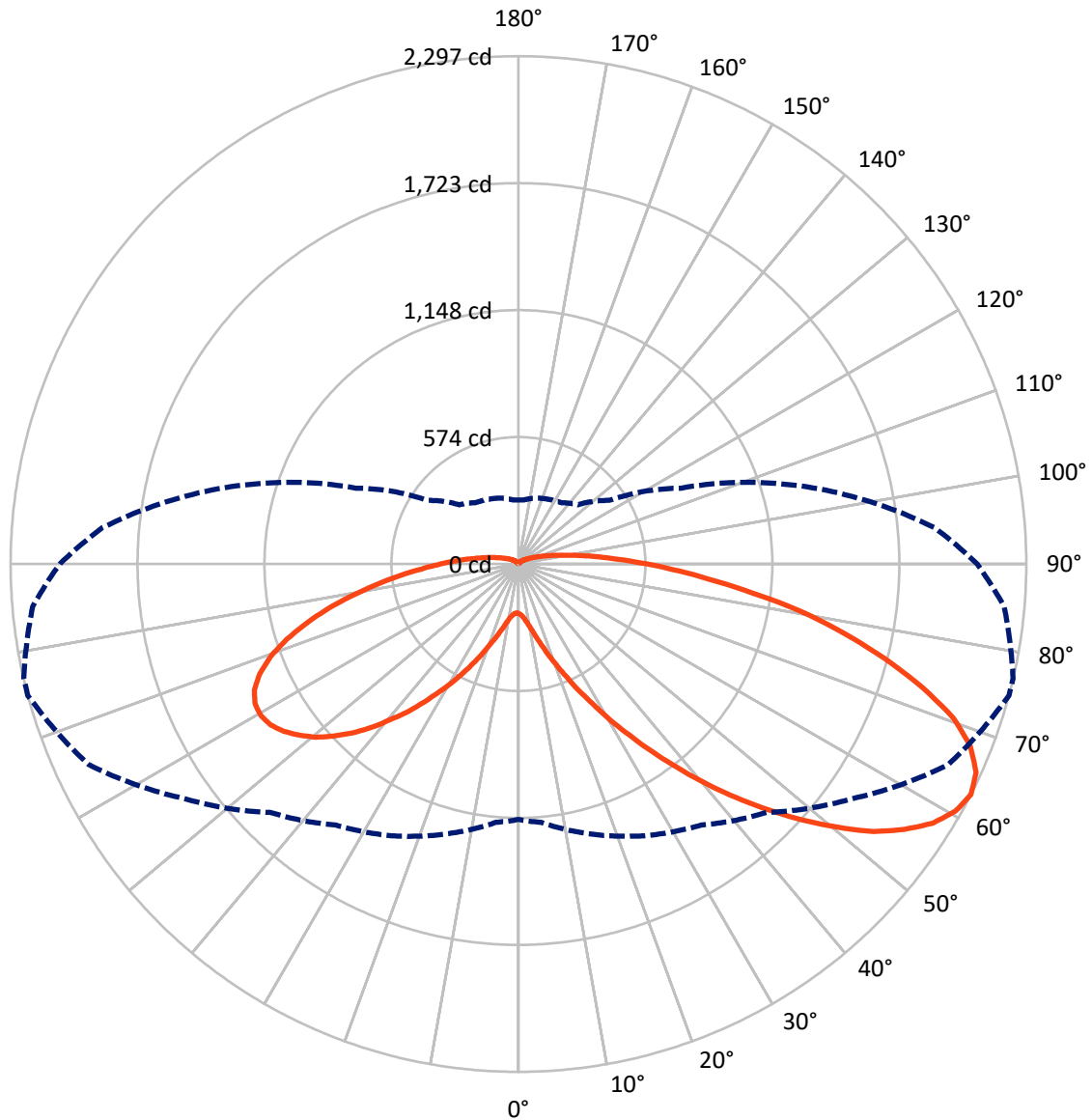


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



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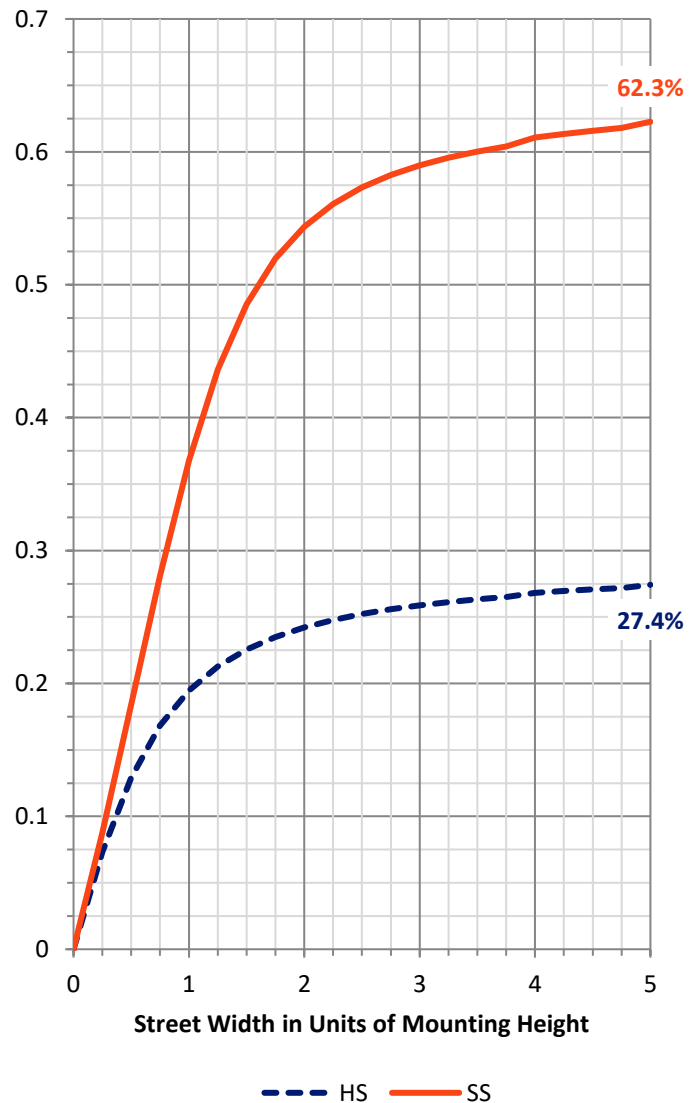
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1630.4	173.4	1803.7
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	3659.3	238.0	3897.3
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	5289.6	411.4	5701.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.6	0.4
10°-20°	99.2	1.7
20°-30°	256.7	4.5
30°-40°	525.3	9.2
40°-50°	871.1	15.3
50°-60°	1130.1	19.8
60°-70°	1113.0	19.5
70°-80°	817.9	14.3
80°-90°	452.6	7.9
90°-100°	213.8	3.7
100°-110°	102.1	1.8
110°-120°	52.1	0.9
120°-130°	27.0	0.5
130°-140°	12.4	0.2
140°-150°	3.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5289.6	92.8
0°-180°	5701.0	100.0



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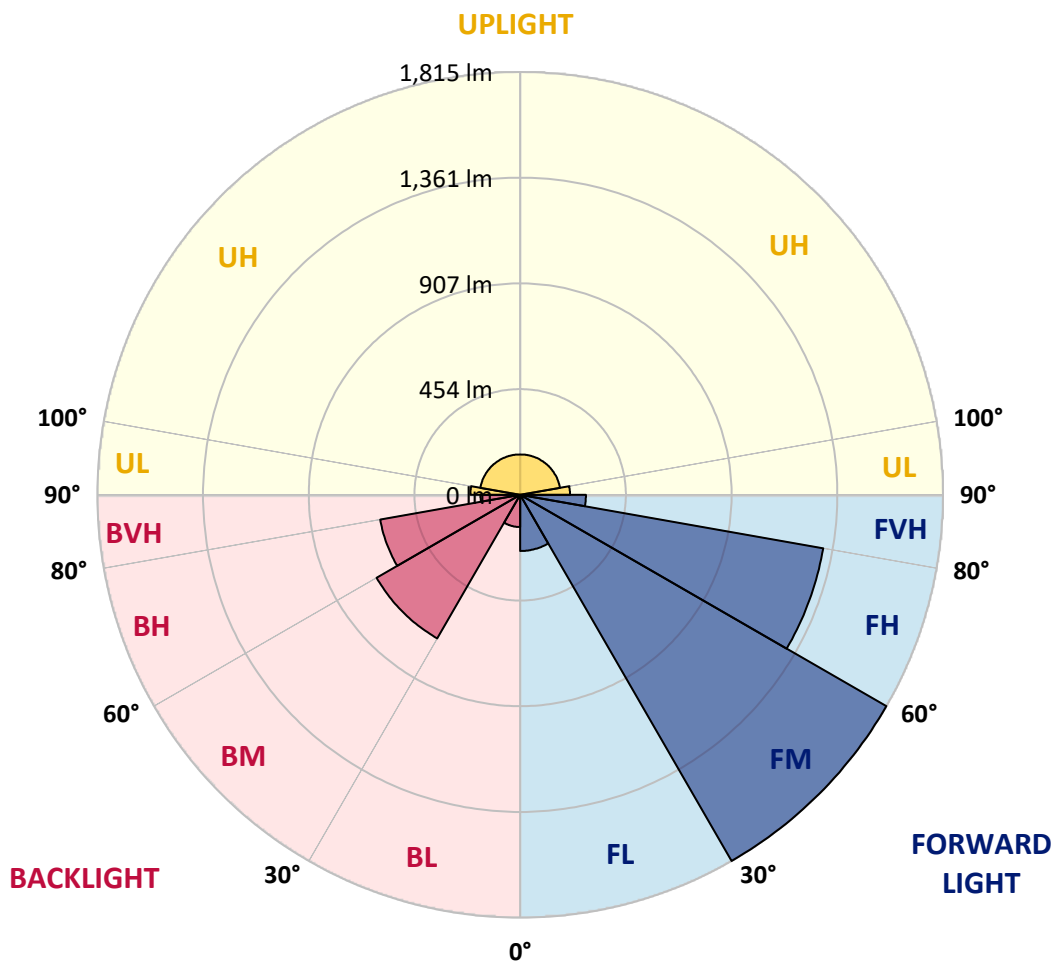
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.2	4.2			
FM	(30°-60°)	1814.9	31.8			
FH	(60°-80°)	1321.1	23.2			G1/1800
FVH	(80°-90°)	282.1	4.9			G3/500
BL	(0°-30°)	138.3	2.4	B1/500		
BM	(30°-60°)	711.6	12.5	B1/1000		
BH	(60°-80°)	609.9	10.7	B2/1000		G2/1000
BVH	(80°-90°)	170.5	3.0			G2/225
UL	(90°-100°)	213.8	3.7		U3/500	
UH	(100°-180°)	173.4	3.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
2.5°	249.5	247.5	246.2	244.1	242.8	240.1	237.4	233.4	230.0	229.3	226.7
5°	275.8	272.4	272.4	269.0	264.3	261.0	255.6	248.9	243.5	240.1	237.4
7.5°	309.4	306.7	303.3	300.6	295.9	289.9	282.5	273.7	263.0	261.0	254.2
10°	347.1	345.7	343.0	337.6	331.6	323.5	313.4	302.7	290.6	288.5	277.1
12.5°	396.8	396.8	392.8	385.4	376.6	361.8	353.1	341.7	327.5	325.5	309.4
15°	458.0	455.3	450.0	437.2	427.1	415.0	404.2	389.4	370.6	367.2	352.4
17.5°	525.3	519.9	517.2	505.1	491.7	476.9	462.1	445.9	425.1	419.7	402.2
20°	600.6	604.0	593.9	580.4	560.3	545.5	528.6	507.8	484.9	480.9	460.0
22.5°	695.4	692.8	678.6	659.8	640.3	624.2	602.6	581.8	550.8	546.8	522.6
25°	800.4	797.7	779.5	756.0	733.8	704.9	680.0	657.8	632.2	626.2	597.3
27.5°	903.3	916.7	889.1	860.2	834.0	801.7	772.1	743.9	715.0	710.2	680.0
30°	1043.8	1047.2	1014.9	975.2	939.6	899.2	868.3	842.7	817.9	802.4	774.8
32.5°	1190.5	1179.7	1154.1	1105.7	1049.2	1004.2	969.9	946.3	922.8	914.7	874.4
35°	1335.7	1335.7	1296.1	1230.8	1156.8	1111.1	1077.5	1063.3	1041.8	1029.0	984.0
37.5°	1478.3	1476.3	1436.0	1359.3	1283.3	1220.7	1199.2	1183.1	1168.3	1155.5	1100.3
40°	1618.9	1615.5	1567.1	1492.5	1403.7	1339.1	1321.6	1324.3	1306.8	1289.3	1234.2
42.5°	1731.9	1730.5	1692.2	1617.6	1511.3	1454.1	1436.6	1452.8	1444.7	1427.9	1363.3
45°	1822.0	1816.0	1785.7	1709.7	1613.5	1553.0	1557.7	1596.7	1587.3	1579.2	1499.2
47.5°	1859.7	1859.0	1842.2	1776.3	1687.5	1645.1	1672.0	1726.5	1729.9	1723.1	1633.7
50°	1849.6	1852.3	1850.9	1810.6	1737.9	1716.4	1768.2	1861.0	1871.8	1865.1	1772.9
52.5°	1790.4	1791.8	1813.9	1796.5	1755.4	1761.5	1853.6	1972.7	2010.3	1992.2	1896.0
55°	1665.3	1682.1	1725.8	1735.9	1730.5	1771.6	1904.7	2061.5	2118.6	2112.6	2002.9
57.5°	1536.2	1528.1	1590.7	1639.1	1667.3	1744.7	1921.6	2124.7	2210.8	2202.7	2098.4
60°	1347.8	1360.0	1436.6	1505.9	1565.8	1680.1	1906.1	2158.3	2270.6	2265.9	2168.4
62.5°	1155.5	1173.0	1263.8	1355.9	1441.3	1588.6	1848.2	2145.5	2296.9	2296.2	2205.4
65°	974.6	993.4	1076.8	1188.4	1297.4	1464.9	1747.4	2091.0	2274.7	2276.0	2198.7
67.5°	813.8	823.9	911.3	1034.4	1140.7	1319.6	1617.6	1983.4	2204.7	2212.1	2144.9
70°	670.6	678.0	762.7	872.3	995.4	1157.5	1460.2	1845.6	2087.7	2090.4	2048.0
72.5°	550.2	556.9	638.3	735.8	849.5	1015.6	1298.1	1657.2	1911.5	1938.4	1898.7
75°	439.9	453.3	523.3	618.1	719.7	867.6	1126.6	1454.8	1713.7	1736.6	1730.5
77.5°	358.5	376.6	432.5	513.9	607.3	735.8	955.1	1255.0	1504.6	1523.4	1528.1
80°	289.2	302.7	358.5	430.5	509.8	621.5	798.4	1060.0	1294.0	1296.1	1294.0
82.5°	234.7	244.8	294.6	359.8	429.8	522.6	669.2	884.4	1061.3	1082.9	1086.9
85°	191.0	198.4	241.5	300.0	359.2	437.8	552.2	722.4	862.2	884.4	877.0
87.5°	153.3	163.4	197.7	247.5	302.7	365.2	459.4	584.5	696.1	705.5	704.2
90°	125.8	129.1	163.4	205.8	255.6	303.3	375.3	470.8	554.2	571.0	559.6
92.5°	101.6	106.9	135.9	174.2	213.2	254.9	311.4	386.7	438.5	448.6	443.2
95°	85.4	88.1	114.3	145.9	179.6	217.2	256.9	308.7	347.1	350.4	351.8
97.5°	71.3	74.0	95.5	124.4	153.3	183.6	213.9	252.2	277.8	277.1	275.1
100°	61.2	62.5	82.1	108.3	133.8	156.0	179.6	203.1	218.6	223.3	215.9
102.5°	53.1	53.8	70.6	93.5	115.0	134.5	152.0	168.8	174.9	175.5	172.2
105°	47.1	47.8	61.9	80.7	100.2	115.0	128.5	138.6	141.2	141.2	137.2
107.5°	41.7	42.4	53.1	71.3	88.8	100.9	110.3	115.7	114.3	113.7	111.0
110°	38.3	38.3	47.1	63.2	77.3	88.1	95.5	96.2	92.8	92.8	90.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	35.0	35.0	41.7	55.8	68.6	78.0	82.7	81.4	76.7	75.3	75.3
115°	32.3	32.3	37.0	49.1	61.2	68.6	72.0	68.6	63.2	62.5	61.9
117.5°	30.3	30.3	33.6	43.7	53.8	60.5	62.5	59.2	53.1	52.5	52.5
120°	28.2	28.2	30.9	38.3	47.8	53.1	54.5	50.4	44.4	44.4	45.1
122.5°	26.9	26.9	28.2	34.3	42.4	47.1	47.1	43.0	37.7	37.7	38.3
125°	25.6	25.6	26.2	30.3	37.0	41.0	40.4	35.6	32.3	32.3	33.0
127.5°	24.2	24.2	24.2	26.9	32.3	35.6	35.0	30.3	27.6	27.6	28.9
130°	22.9	22.9	22.2	23.5	27.6	30.3	28.9	25.6	23.5	23.5	24.9
132.5°	21.5	21.5	20.2	20.8	23.5	24.9	23.5	20.8	20.2	20.2	20.8
135°	20.2	19.5	18.8	18.2	19.5	20.2	18.8	16.8	16.8	16.8	18.2
137.5°	18.2	18.2	16.8	15.5	15.5	15.5	14.8	12.8	13.5	14.1	14.8
140°	16.8	16.8	15.5	13.5	12.1	12.1	10.8	10.1	10.8	11.4	12.1
142.5°	14.8	14.8	13.5	11.4	9.4	8.1	7.4	6.7	8.1	8.7	8.7
145°	12.8	12.8	11.4	8.7	6.7	4.7	4.0	4.7	5.4	6.1	6.7
147.5°	10.8	10.1	8.7	6.7	3.4	2.0	1.3	2.7	3.4	3.4	4.0
150°	8.1	8.1	6.7	4.7	2.0	0.0	0.7	1.3	2.0	2.0	2.7
152.5°	6.1	5.4	4.7	2.7	0.0	0.0	0.0	0.0	0.7	1.3	1.3
155°	3.4	3.4	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
2.5°	225.3	223.3	220.6	218.6	216.6	213.9	212.5	210.5	210.5	210.5	211.9
5°	233.4	230.7	224.6	219.3	213.9	209.8	205.8	203.1	201.8	200.4	201.1
7.5°	248.2	244.8	235.4	226.0	218.6	211.2	205.8	201.1	199.1	198.4	198.4
10°	271.0	265.0	250.9	238.1	227.3	217.2	209.8	203.8	201.1	199.1	199.1
12.5°	302.0	293.2	276.4	258.9	242.8	229.3	218.6	213.9	211.9	210.5	211.2
15°	343.0	333.6	308.0	285.2	264.3	246.2	236.1	231.4	228.7	227.3	226.7
17.5°	390.8	377.3	346.4	316.8	290.6	270.4	257.6	250.2	245.5	242.8	243.5
20°	443.2	425.7	386.1	353.8	320.1	300.0	280.5	268.4	262.3	261.0	261.6
22.5°	502.4	484.3	438.5	391.4	356.5	326.2	302.7	287.2	279.8	279.1	279.1
25°	572.4	548.2	494.3	435.2	390.1	351.8	324.2	305.4	297.3	294.6	294.6
27.5°	651.7	619.4	552.9	484.9	423.1	374.6	342.3	320.8	312.1	310.1	310.1
30°	739.2	705.5	620.8	532.0	454.7	394.8	358.5	335.6	324.2	321.5	322.2
32.5°	835.3	791.6	684.7	582.5	482.2	410.9	369.2	346.4	333.6	330.2	330.2
35°	939.6	888.5	760.7	631.6	508.5	423.7	377.3	353.8	339.7	336.3	335.6
37.5°	1056.6	992.7	839.4	676.6	529.3	431.8	382.7	358.5	343.0	338.3	337.6
40°	1179.0	1105.7	912.0	717.6	546.8	436.5	384.0	360.5	344.4	337.0	336.3
42.5°	1293.4	1212.7	994.7	755.3	557.6	438.5	383.4	359.8	343.0	332.9	332.3
45°	1419.8	1320.9	1070.7	789.6	564.3	437.2	380.7	356.5	340.3	327.5	326.2
47.5°	1552.3	1438.6	1140.7	814.5	567.0	433.1	377.3	353.8	335.6	321.5	320.1
50°	1672.0	1539.5	1205.9	834.0	565.6	427.1	371.9	349.7	331.6	315.4	314.1
52.5°	1789.1	1645.1	1257.1	844.8	558.9	420.4	367.2	345.0	326.9	310.1	308.0
55°	1895.3	1728.5	1302.8	849.5	550.2	411.6	360.5	341.0	322.8	304.7	302.7
57.5°	1977.4	1807.2	1336.4	843.4	536.7	401.5	353.8	334.9	318.1	300.0	298.0
60°	2037.9	1859.0	1351.9	832.0	521.2	390.1	345.7	328.9	313.4	295.9	293.9
62.5°	2074.2	1887.9	1348.5	811.8	501.7	378.7	338.3	322.8	308.7	291.2	289.9
65°	2068.2	1876.5	1323.0	779.5	480.9	363.9	326.9	314.8	302.0	285.8	283.8
67.5°	2019.1	1830.1	1271.2	739.2	457.4	349.1	316.1	304.0	293.2	279.1	275.1
70°	1931.6	1744.7	1196.5	688.7	430.5	332.3	303.3	291.9	282.5	269.0	265.0
72.5°	1784.4	1620.2	1101.7	636.3	401.5	312.7	286.5	277.1	267.0	256.3	251.5
75°	1616.2	1464.2	990.0	574.4	370.6	293.2	269.0	259.6	250.2	238.8	234.7
77.5°	1433.3	1287.3	874.4	519.9	339.0	271.0	249.5	241.5	232.0	219.9	215.2
80°	1214.7	1098.3	751.3	457.4	307.4	249.5	229.3	220.6	210.5	199.1	194.4
82.5°	1017.6	914.7	637.6	400.9	275.8	227.3	209.8	197.1	187.6	176.2	168.1
85°	832.0	760.0	534.7	344.4	246.2	204.5	187.0	176.2	165.5	152.0	146.6
87.5°	669.2	608.0	439.2	297.3	217.2	182.3	166.1	155.4	143.3	129.1	124.4
90°	529.3	491.7	365.2	255.6	192.4	163.4	147.3	135.9	122.4	109.6	106.9
92.5°	419.7	393.5	302.0	217.2	169.5	144.6	129.8	118.4	104.9	92.1	88.1
95°	337.6	312.1	247.5	189.7	148.6	127.1	114.3	103.6	90.1	77.3	74.7
97.5°	269.7	249.5	203.1	159.4	130.5	113.0	101.6	90.1	76.7	65.2	63.9
100°	211.2	199.1	168.1	137.2	115.0	100.2	89.5	79.4	65.9	54.5	53.8
102.5°	168.8	162.1	139.9	118.4	100.9	88.8	80.0	69.3	57.2	46.4	45.7
105°	135.9	131.8	116.4	101.6	89.5	79.4	71.3	60.5	48.4	39.7	39.7
107.5°	110.3	106.9	97.5	86.8	78.7	71.3	62.5	53.1	41.7	34.3	34.3
110°	90.1	88.8	82.7	75.3	69.3	63.2	55.2	45.7	35.6	30.3	30.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	75.3	74.7	69.9	65.9	61.2	55.8	49.1	40.4	30.9	26.2	26.9
115°	62.5	62.5	59.9	57.2	53.8	49.8	43.0	34.3	26.2	23.5	23.5
117.5°	53.1	52.5	51.8	49.8	47.8	43.7	37.0	29.6	22.2	20.8	21.5
120°	45.7	45.7	44.4	43.7	41.7	37.7	32.3	24.9	18.8	18.8	18.8
122.5°	39.0	39.7	38.3	37.7	36.3	33.6	27.6	20.8	16.8	16.1	16.8
125°	34.3	34.3	33.6	33.0	31.6	28.2	23.5	17.5	14.1	14.8	14.8
127.5°	28.9	29.6	28.9	28.2	27.6	24.2	19.5	14.1	12.1	12.8	12.8
130°	25.6	25.6	24.9	24.2	22.9	20.2	16.1	11.4	10.8	11.4	11.4
132.5°	21.5	21.5	21.5	20.2	18.8	16.8	12.8	9.4	8.7	10.1	10.1
135°	18.2	18.2	18.2	16.8	15.5	12.8	9.4	7.4	7.4	8.7	8.7
137.5°	14.8	15.5	14.8	13.5	12.1	10.1	7.4	5.4	6.1	7.4	7.4
140°	12.1	12.1	11.4	10.8	8.7	6.7	4.7	4.0	5.4	6.1	6.1
142.5°	9.4	9.4	8.7	7.4	6.1	4.7	2.7	2.7	4.0	4.7	4.7
145°	6.7	6.7	6.1	4.7	3.4	2.0	0.7	1.3	2.7	3.4	3.4
147.5°	4.0	4.0	4.0	3.4	2.0	0.7	0.0	0.7	1.3	2.0	2.0
150°	2.7	2.7	2.7	2.0	1.3	0.0	0.0	0.0	0.7	1.3	1.3
152.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	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)