

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: P266160

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-FL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T3-FL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA 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: 5990 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - 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

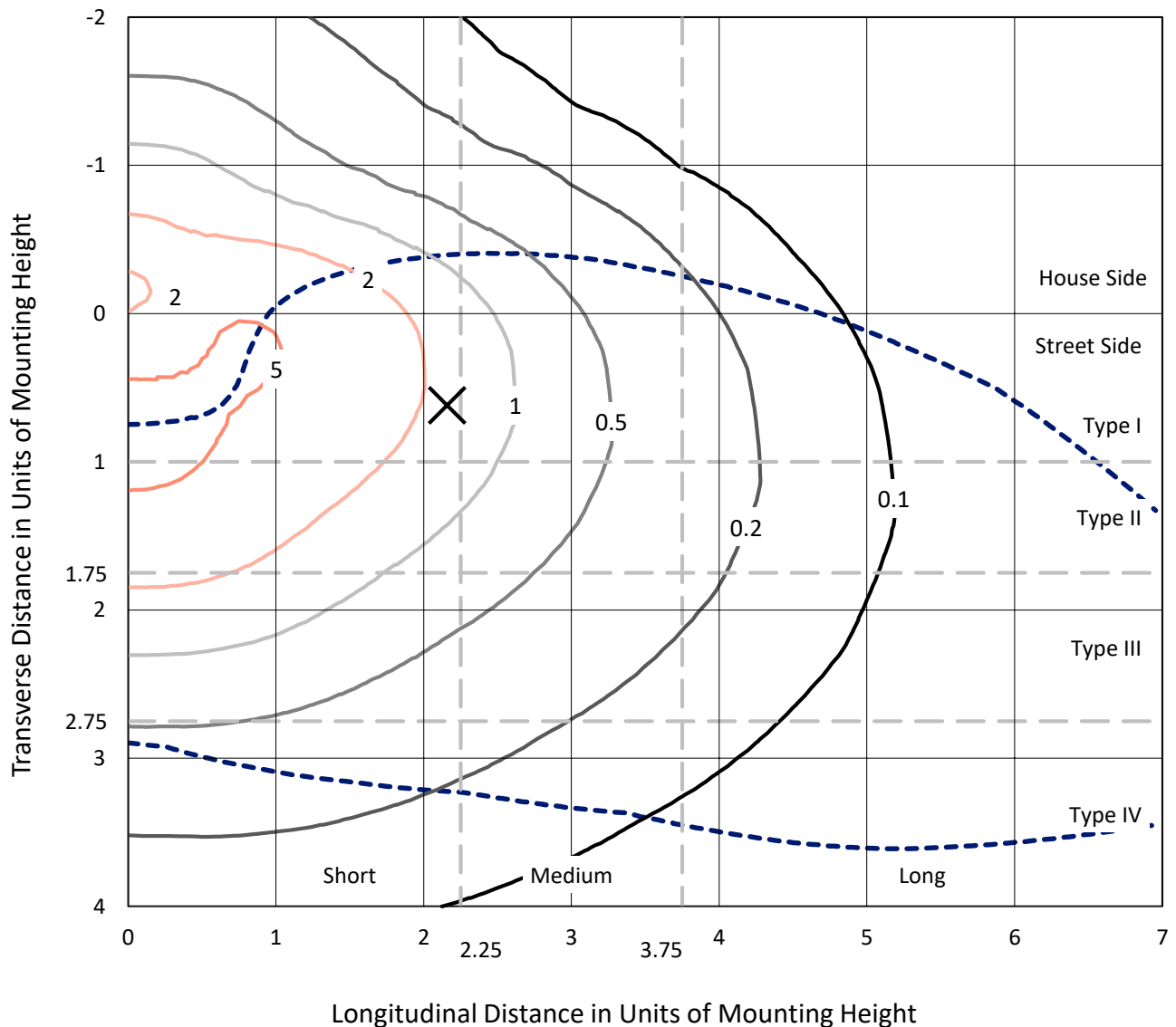


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### Iso-Footcandle Lines of Horizontal Illumination

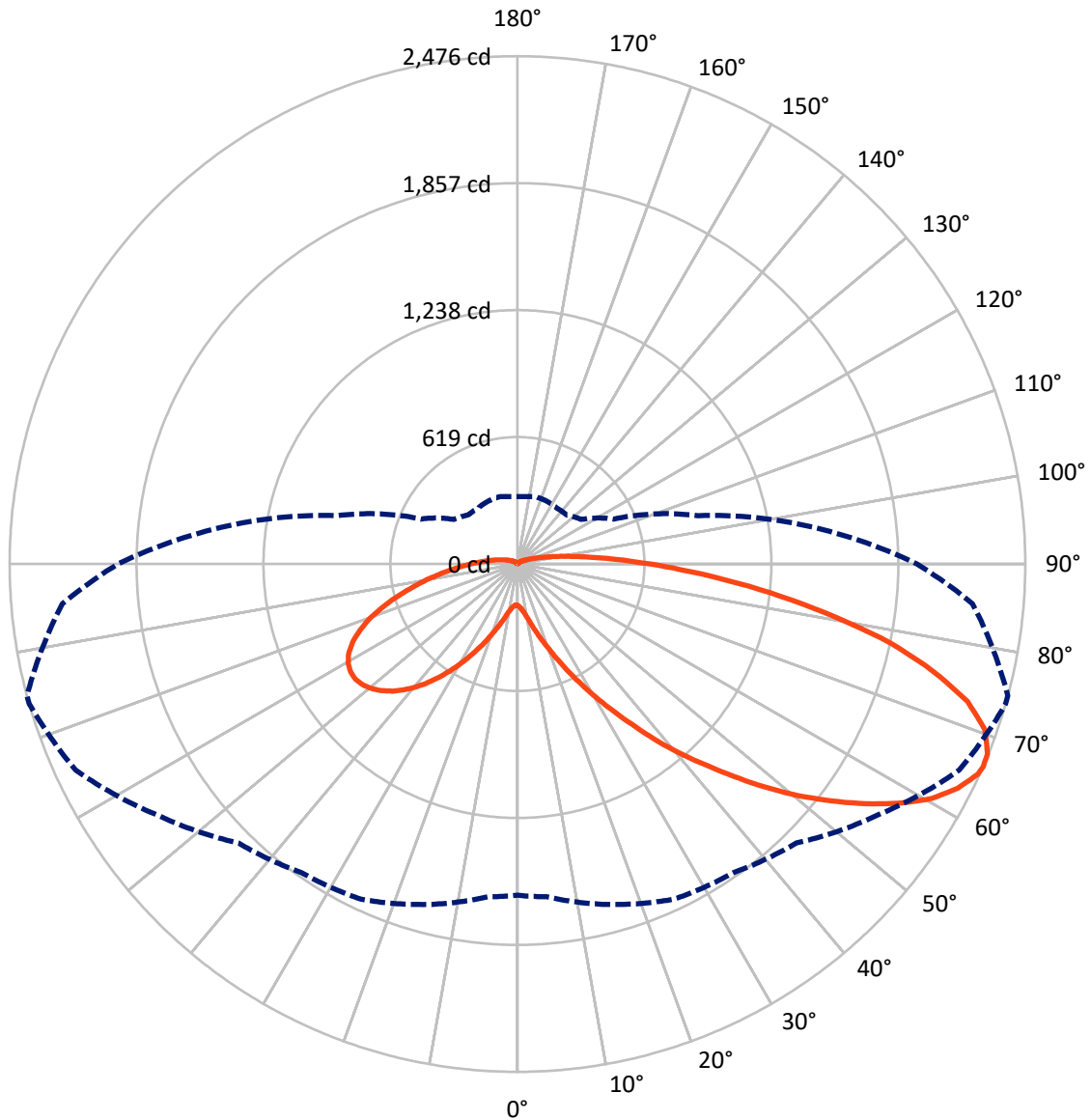
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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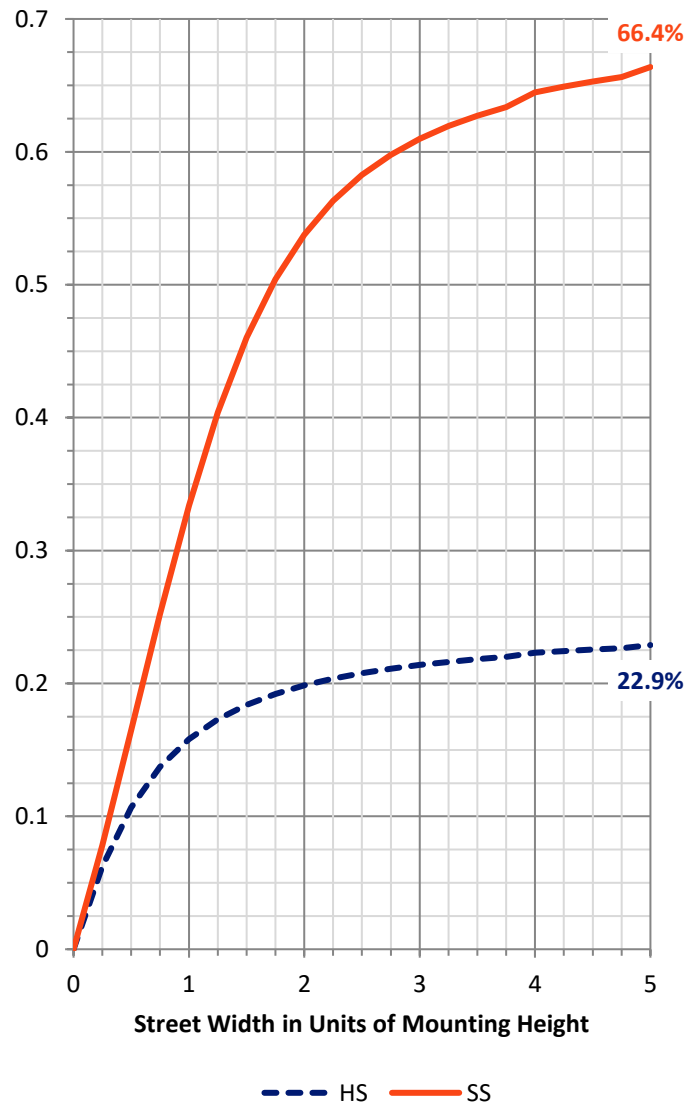
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1440.7	149.0	1589.7
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	4144.9	255.4	4400.3
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	5585.6	404.3	5990.0
	% Fixture	93.2	6.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.4
10°-20°	90.7	1.5
20°-30°	232.6	3.9
30°-40°	471.2	7.9
40°-50°	797.7	13.3
50°-60°	1131.1	18.9
60°-70°	1277.1	21.3
70°-80°	1021.2	17.0
80°-90°	542.5	9.1
90°-100°	228.7	3.8
100°-110°	97.3	1.6
110°-120°	44.9	0.7
120°-130°	21.4	0.4
130°-140°	9.3	0.2
140°-150°	2.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5585.6	93.2
0°-180°	5990.0	100.0

**Coefficient of Utilization**



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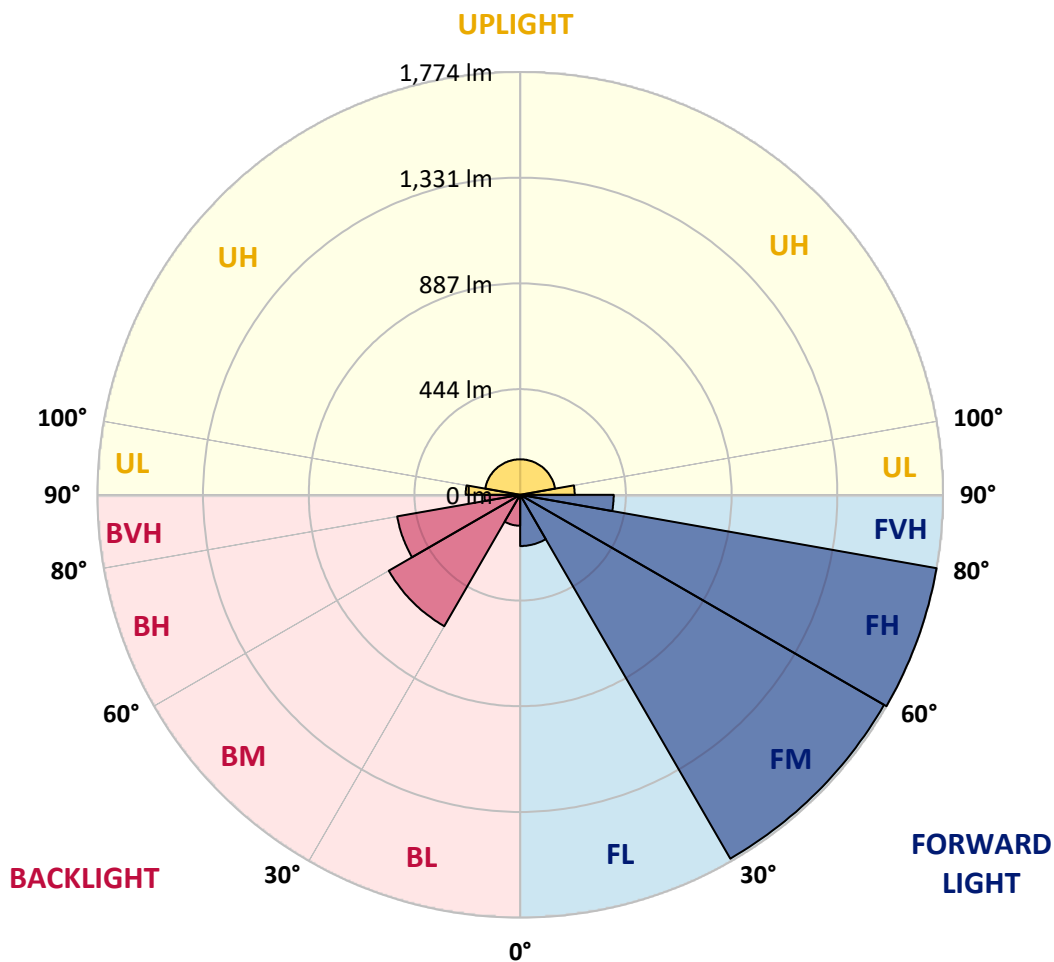
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.9	3.6			
FM	(30°-60°)	1763.1	29.4			
FH	(60°-80°)	1774.4	29.6			G1/1800
FVH	(80°-90°)	392.5	6.6			G3/500
BL	(0°-30°)	129.8	2.2	B1/500		
BM	(30°-60°)	636.9	10.6	B1/1000		
BH	(60°-80°)	524.0	8.7	B2/1000		G2/1000
BVH	(80°-90°)	150.0	2.5			G2/225
UL	(90°-100°)	228.7	3.8		U3/500	
UH	(100°-180°)	149.0	2.5		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4
2.5°	220.7	222.2	220.7	219.8	218.4	217.7	214.8	211.1	208.9	208.2	205.4
5°	243.3	245.3	243.9	241.7	239.6	236.7	232.2	226.5	222.2	221.3	215.6
7.5°	270.8	273.8	271.6	268.7	265.0	260.7	254.1	246.9	240.2	238.8	231.6
10°	310.2	309.5	306.5	302.2	297.1	292.7	284.8	273.8	265.8	264.3	254.1
12.5°	354.7	354.7	350.2	343.6	336.3	329.8	321.9	309.5	300.8	298.4	286.1
15°	404.9	407.0	400.5	393.2	382.9	373.5	366.1	353.2	343.0	340.7	325.5
17.5°	463.7	464.6	457.2	447.7	436.0	427.4	416.5	402.6	391.0	388.7	369.8
20°	531.4	530.8	522.0	508.9	495.9	487.8	473.9	458.7	445.6	444.1	421.6
22.5°	608.7	602.9	596.3	579.5	568.6	553.4	538.8	521.2	508.9	506.7	482.7
25°	695.3	687.4	680.7	658.8	642.8	624.7	609.4	594.0	583.9	579.5	551.2
27.5°	792.8	787.8	774.7	747.7	723.0	700.4	688.8	674.2	663.3	661.2	632.0
30°	902.1	889.7	875.8	843.1	809.6	779.0	767.4	761.6	753.6	750.7	717.8
32.5°	1010.6	1009.9	989.5	947.9	904.2	870.1	859.0	856.3	849.0	849.6	810.4
35°	1138.7	1138.1	1112.6	1061.5	1006.9	964.7	957.5	961.0	958.9	958.1	913.8
37.5°	1274.9	1272.0	1243.6	1181.7	1114.0	1065.8	1060.8	1073.1	1082.6	1076.1	1024.3
40°	1415.4	1417.5	1379.0	1306.1	1226.8	1172.2	1169.4	1197.7	1208.0	1201.4	1140.2
42.5°	1551.6	1550.0	1513.6	1438.6	1341.1	1282.9	1285.0	1322.1	1334.6	1331.6	1263.9
45°	1683.3	1681.8	1649.1	1561.8	1458.4	1395.0	1405.8	1451.0	1475.0	1475.0	1394.3
47.5°	1799.0	1797.6	1769.2	1680.4	1571.1	1507.1	1524.7	1585.8	1625.8	1620.7	1525.3
50°	1893.7	1891.6	1871.9	1790.3	1678.3	1617.0	1647.0	1726.3	1775.1	1764.1	1659.3
52.5°	1954.2	1957.0	1947.6	1879.2	1774.3	1718.9	1764.9	1864.6	1918.5	1914.1	1795.4
55°	1983.3	1984.7	1996.5	1943.3	1851.4	1809.2	1877.0	1997.8	2064.1	2058.2	1926.4
57.5°	1969.4	1973.8	2005.1	1977.4	1904.6	1883.6	1977.4	2120.9	2200.3	2200.9	2042.2
60°	1911.2	1922.8	1970.9	1977.4	1930.8	1931.5	2060.4	2230.1	2321.1	2316.0	2138.3
62.5°	1813.7	1828.2	1898.1	1933.8	1917.7	1953.5	2115.1	2315.3	2408.4	2412.0	2207.6
65°	1678.9	1692.8	1777.2	1848.6	1867.5	1941.1	2139.1	2369.2	2468.3	2467.5	2231.6
66°	1615.0	1628.6	1718.9	1803.4	1836.9	1923.6	2137.6	2377.2	2476.2	2475.5	2227.9
67.5°	1509.3	1524.7	1618.6	1721.2	1776.5	1885.1	2120.9	2372.9	2471.9	2470.3	2203.9
70°	1314.2	1331.6	1436.5	1550.0	1642.6	1785.2	2054.0	2323.2	2418.0	2410.7	2115.1
72.5°	1110.3	1128.5	1233.4	1354.3	1484.5	1653.5	1933.8	2209.0	2294.2	2284.7	1966.5
75°	910.8	928.3	1031.8	1154.7	1296.0	1480.1	1764.9	2028.5	2096.1	2095.4	1766.2
77.5°	728.9	744.1	836.5	958.9	1101.6	1288.0	1557.3	1810.1	1865.3	1850.8	1528.2
80°	571.5	586.1	665.5	775.3	914.5	1088.4	1330.2	1545.8	1575.5	1566.9	1277.0
82.5°	443.5	456.5	525.7	621.1	746.3	899.2	1091.4	1279.2	1293.1	1283.6	1033.9
85°	343.0	354.7	413.6	495.9	602.1	728.9	882.5	1015.7	1028.7	1022.2	816.9
87.5°	265.8	273.8	323.3	392.4	482.0	584.6	699.7	802.4	797.2	790.7	632.0
90°	205.4	213.3	254.1	311.6	385.2	465.2	549.8	618.8	609.4	602.1	484.9
92.5°	159.4	165.3	201.0	249.0	308.7	369.8	429.6	473.9	461.5	456.5	369.8
95°	125.9	130.3	158.7	203.1	249.0	295.6	336.3	367.6	349.5	345.0	281.8
97.5°	101.1	104.2	128.2	163.9	202.4	238.1	265.8	278.8	265.0	261.3	214.8
100°	83.1	84.5	104.8	133.3	164.6	193.7	211.1	217.0	202.4	199.6	163.9
102.5°	68.5	69.9	86.6	112.1	136.9	157.3	168.3	171.8	153.6	151.5	126.8
105°	57.5	58.2	72.0	94.6	115.1	129.5	136.9	133.3	118.7	116.5	99.1
107.5°	49.4	50.2	60.5	80.8	97.6	108.4	112.8	107.7	92.4	90.3	78.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	42.9	42.9	51.7	68.5	83.1	92.4	94.0	85.9	72.9	71.3	62.6
112.5°	37.9	37.9	45.2	59.0	71.3	78.6	78.6	69.9	57.5	56.9	50.9
115°	34.2	34.2	39.3	50.9	62.0	67.7	66.3	56.9	46.6	45.9	42.2
117.5°	30.6	30.6	34.2	43.7	53.2	58.2	56.1	46.6	37.9	37.1	35.7
120°	27.7	27.7	30.6	37.1	45.9	49.4	47.3	38.5	31.4	30.6	29.9
122.5°	25.5	25.5	26.9	32.8	39.3	42.2	40.1	32.0	26.2	26.2	25.5
125°	23.3	23.3	24.8	28.3	33.4	36.4	33.4	26.2	21.9	21.9	22.5
127.5°	21.9	21.9	22.5	24.8	29.1	30.6	27.7	21.9	19.0	19.0	19.7
130°	19.7	19.7	20.4	21.9	24.1	25.5	22.5	18.1	16.8	16.0	16.8
132.5°	18.1	18.1	18.1	19.0	19.7	20.4	18.1	14.6	13.8	13.8	14.6
135°	16.0	16.8	16.0	16.0	16.0	16.0	13.8	11.7	11.7	11.7	12.3
137.5°	14.6	14.6	13.8	13.1	13.1	12.3	10.9	9.4	9.4	9.4	10.2
140°	12.3	12.3	12.3	10.9	9.4	8.8	7.2	7.2	8.1	8.1	8.8
142.5°	10.2	10.2	9.4	8.8	6.6	5.7	5.1	5.1	5.7	5.7	6.6
145°	8.1	8.1	7.2	5.7	4.4	3.0	3.0	3.0	3.7	3.7	4.4
147.5°	5.7	5.7	5.1	3.7	2.2	1.4	1.4	2.2	3.0	3.0	3.7
150°	3.7	3.7	3.0	2.2	0.7	0.0	0.7	1.4	2.2	2.2	3.0
152.5°	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.7	1.4	1.4	2.2
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4	202.4
2.5°	203.8	202.4	199.6	197.3	194.5	193.0	192.1	190.8	190.0	189.4	189.4
5°	212.5	209.7	204.6	199.6	195.1	190.8	188.6	186.4	184.2	182.7	182.7
7.5°	227.1	222.8	214.8	206.8	199.6	193.7	189.4	186.4	183.4	182.0	181.3
10°	247.6	241.7	230.9	219.8	209.7	201.0	195.1	191.5	188.6	186.4	185.7
12.5°	279.6	270.8	254.8	238.8	222.8	213.3	205.4	203.1	201.7	200.2	201.7
15°	316.7	305.9	286.1	265.0	245.3	230.1	223.5	222.2	220.7	219.8	219.8
17.5°	358.2	346.6	320.3	292.7	268.7	253.4	243.9	240.9	238.8	238.1	237.3
20°	408.5	393.2	359.7	324.0	295.6	278.8	265.8	260.7	258.4	258.4	258.4
22.5°	466.7	446.3	404.9	358.2	325.5	302.2	288.4	280.4	278.8	279.6	278.8
25°	532.2	507.5	454.4	396.8	353.8	324.7	307.2	299.9	297.8	299.2	299.2
27.5°	606.4	578.1	507.5	437.6	380.8	344.4	324.7	318.2	315.9	318.2	318.2
30°	684.4	652.3	562.8	476.1	404.1	360.4	338.5	333.5	331.3	333.5	334.2
32.5°	777.7	729.6	621.1	513.3	425.9	373.5	350.2	345.8	343.6	346.6	346.6
35°	873.7	814.8	679.3	547.4	443.5	382.9	358.2	354.7	353.2	356.0	356.0
37.5°	971.2	907.2	738.9	578.1	456.5	389.5	364.1	361.1	360.4	360.4	361.1
40°	1078.2	998.1	795.8	602.9	466.0	393.2	367.6	364.1	363.4	362.6	362.6
42.5°	1188.9	1086.3	846.7	621.7	470.4	393.8	367.6	365.5	364.8	361.8	361.1
45°	1302.5	1180.3	894.8	634.9	471.8	392.4	367.0	364.8	364.1	359.0	358.2
47.5°	1418.3	1270.6	934.1	640.8	468.1	389.5	364.8	362.6	361.1	353.2	353.2
50°	1532.6	1359.3	967.7	641.4	462.4	384.5	361.8	361.1	358.2	348.7	347.3
52.5°	1644.7	1443.0	992.4	636.3	452.8	379.4	359.0	359.0	355.3	345.0	343.6
55°	1750.3	1518.0	1006.9	624.7	442.0	372.7	355.3	356.0	352.3	341.4	340.0
57.5°	1842.1	1579.8	1009.2	607.3	429.6	366.1	351.6	353.2	351.0	338.5	337.1
60°	1915.5	1619.3	998.9	586.1	414.9	358.2	347.3	350.2	348.1	336.3	335.6
62.5°	1955.6	1634.6	973.5	560.0	400.5	351.0	341.4	346.6	345.0	333.5	332.7
65°	1958.6	1615.6	931.3	530.0	385.2	342.3	336.3	340.7	340.7	330.5	329.8
66°	1947.6	1596.6	910.2	518.4	378.5	338.5	333.5	338.5	339.3	329.8	328.4
67.5°	1913.4	1557.3	873.7	498.0	368.5	332.7	328.4	334.2	334.9	327.0	324.7
70°	1818.0	1461.3	807.4	464.6	351.6	321.1	318.9	324.7	326.2	319.6	317.5
72.5°	1671.7	1335.3	729.6	428.1	332.7	307.9	307.2	313.1	314.5	308.7	306.5
75°	1486.8	1170.0	643.6	392.4	312.3	293.4	292.7	297.1	299.2	294.9	291.2
77.5°	1275.7	1000.4	559.1	356.0	291.9	276.7	276.7	280.4	281.0	276.7	273.1
80°	1059.3	832.9	482.7	319.6	270.8	257.8	257.8	259.3	259.9	255.6	251.2
82.5°	856.3	679.3	409.2	284.8	246.9	236.7	235.9	235.9	235.1	231.6	226.5
85°	677.1	545.4	342.3	252.0	223.5	215.6	213.3	211.1	209.7	205.4	201.0
87.5°	529.3	433.9	288.4	221.3	200.2	193.7	190.8	187.8	184.2	179.1	173.4
90°	411.3	343.6	240.2	193.0	177.0	171.0	166.7	162.4	158.0	152.2	149.3
92.5°	318.9	271.6	201.0	165.9	155.0	150.7	146.3	140.6	134.7	128.8	125.9
95°	248.3	216.2	166.7	143.4	135.5	131.8	127.4	120.8	113.5	107.7	105.6
97.5°	193.7	171.8	139.1	123.7	118.7	114.4	110.0	103.3	95.4	88.8	87.3
100°	150.7	136.9	116.5	107.0	102.6	99.7	95.4	88.8	79.4	72.9	72.0
102.5°	119.5	110.0	97.6	92.4	89.6	86.6	82.3	75.6	66.3	59.0	59.0
105°	94.6	88.8	82.3	79.4	77.2	75.0	70.6	64.0	53.9	48.1	48.1
107.5°	76.4	72.0	69.2	67.7	67.0	64.8	61.2	53.9	44.5	39.3	39.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	62.0	59.6	58.2	58.2	57.5	56.9	52.5	45.2	36.4	32.0	32.8
112.5°	50.9	49.4	49.4	50.2	50.2	48.8	44.5	37.9	29.9	26.9	26.9
115°	42.2	41.5	42.2	42.9	43.7	42.2	37.9	31.4	24.1	22.5	22.5
117.5°	35.7	35.7	36.4	37.1	37.1	35.7	32.0	26.2	19.7	19.0	19.0
120°	30.6	30.6	30.6	31.4	32.0	30.6	26.9	21.1	16.0	16.0	16.0
122.5°	26.2	26.2	26.2	26.9	26.9	26.2	22.5	17.4	13.8	13.8	13.8
125°	22.5	22.5	22.5	23.3	23.3	21.9	18.1	14.6	11.7	11.7	11.7
127.5°	19.7	19.7	19.7	19.7	19.7	18.1	15.4	11.7	9.4	10.2	10.2
130°	17.4	17.4	16.8	16.8	16.0	15.4	12.3	9.4	8.1	8.8	8.8
132.5°	14.6	15.4	14.6	13.8	13.1	11.7	9.4	7.2	6.6	7.2	7.2
135°	12.3	13.1	12.3	10.9	10.2	9.4	7.2	5.7	5.7	5.7	5.7
137.5°	10.9	10.9	10.2	8.8	8.1	6.6	5.1	4.4	4.4	5.1	5.1
140°	8.8	8.8	8.1	6.6	5.7	4.4	3.0	3.0	3.7	3.7	3.7
142.5°	6.6	6.6	5.7	4.4	3.0	2.2	1.4	1.4	2.2	3.0	3.0
145°	4.4	4.4	4.4	3.0	2.2	0.7	0.0	0.7	1.4	1.4	1.4
147.5°	3.7	3.7	3.0	2.2	0.7	0.0	0.0	0.0	0.7	0.7	0.7
150°	3.0	3.0	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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

(END OF REPORT)