

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: P254846

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254846  
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-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 6668.1 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 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

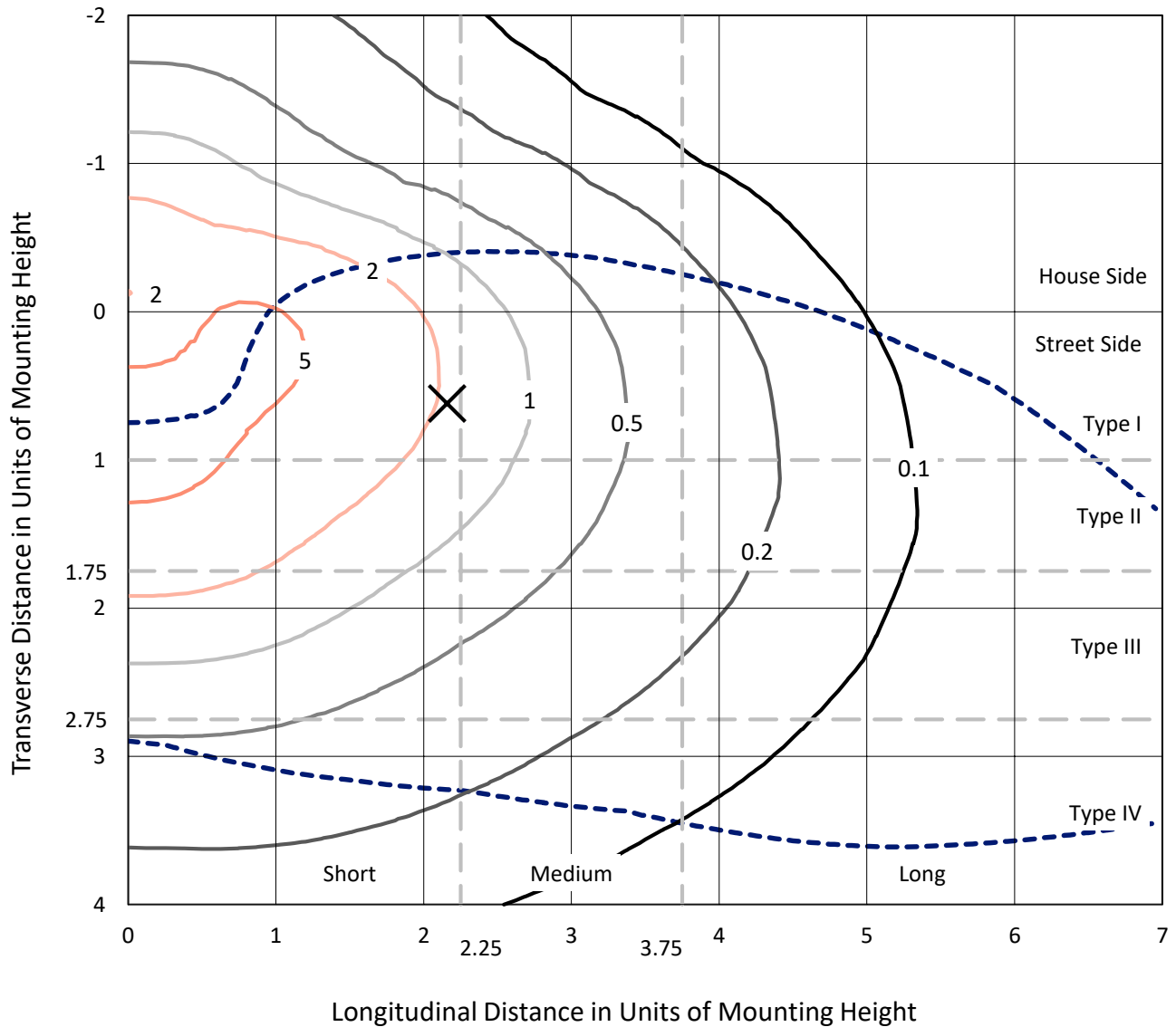


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

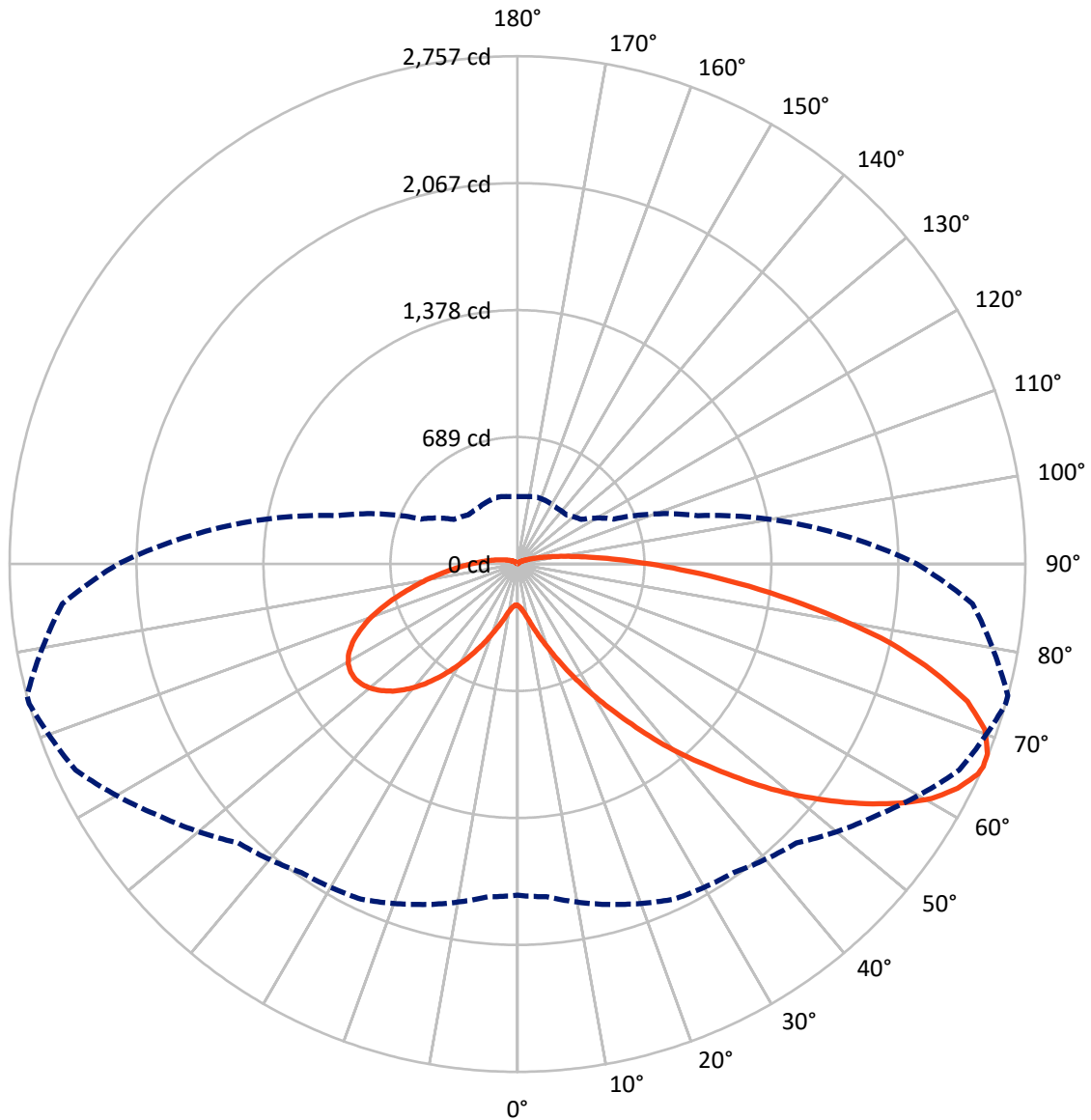


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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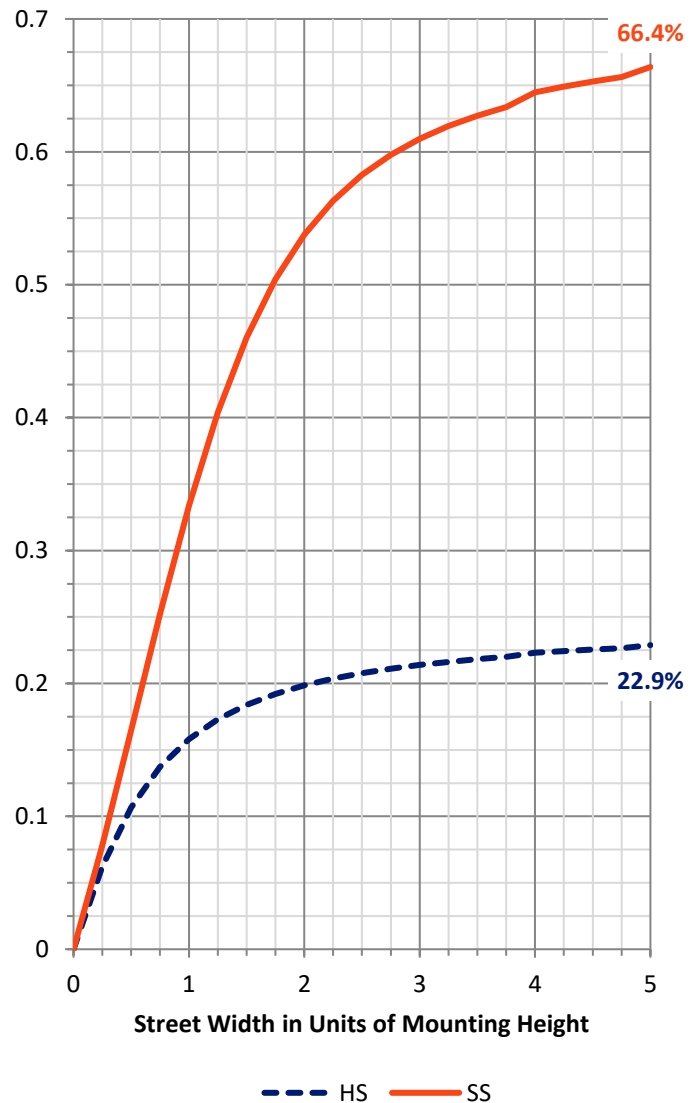
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1603.8	165.8	1769.6
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	4614.2	284.3	4898.4
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	6218.0	450.1	6668.1
	% Fixture	93.2	6.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	0.4
10°-20°	100.9	1.5
20°-30°	259.0	3.9
30°-40°	524.5	7.9
40°-50°	888.0	13.3
50°-60°	1259.2	18.9
60°-70°	1421.7	21.3
70°-80°	1136.9	17.0
80°-90°	603.9	9.1
90°-100°	254.6	3.8
100°-110°	108.3	1.6
110°-120°	50.0	0.7
120°-130°	23.9	0.4
130°-140°	10.4	0.2
140°-150°	2.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6218.0	93.2
0°-180°	6668.1	100.0

**Coefficient of Utilization**



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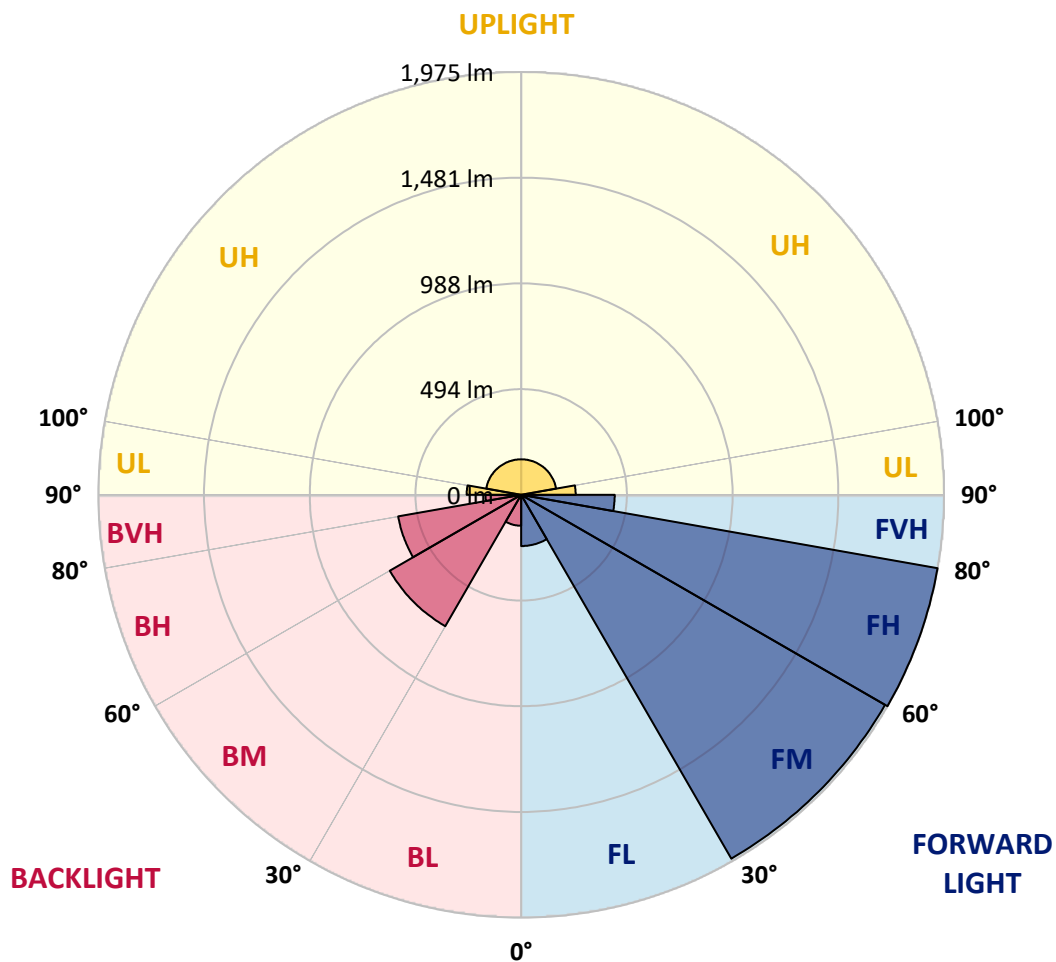
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.3	3.6			
FM (30°-60°)	1962.7	29.4			
FH (60°-80°)	1975.2	29.6			G2/5000
FVH (80°-90°)	436.9	6.6			G3/500
BL (0°-30°)	144.5	2.2	B1/500		
BM (30°-60°)	709.0	10.6	B1/1000		
BH (60°-80°)	583.3	8.7	B2/1000		G2/1000
BVH (80°-90°)	167.0	2.5			G2/225
UL (90°-100°)	254.6	3.8		U3/500	
UH (100°-180°)	165.8	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°	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3
2.5°	245.7	247.3	245.7	244.7	243.1	242.3	239.1	235.0	232.6	231.8	228.6
5°	270.8	273.1	271.5	269.1	266.7	263.5	258.5	252.1	247.3	246.4	240.0
7.5°	301.5	304.8	302.3	299.1	295.0	290.2	282.9	274.8	267.4	265.8	257.8
10°	345.3	344.5	341.2	336.4	330.7	325.8	317.0	304.8	295.9	294.2	282.9
12.5°	394.8	394.8	389.8	382.5	374.4	367.1	358.3	344.5	334.8	332.2	318.5
15°	450.7	453.1	445.8	437.7	426.3	415.8	407.6	393.2	381.8	379.3	362.3
17.5°	516.2	517.2	509.0	498.4	485.4	475.8	463.6	448.2	435.3	432.7	411.7
20°	591.6	590.9	581.1	566.5	552.0	543.0	527.6	510.6	496.0	494.4	469.3
22.5°	677.6	671.1	663.8	645.1	633.0	616.0	599.8	580.2	566.5	564.1	537.3
25°	774.0	765.2	757.8	733.4	715.6	695.4	678.4	661.3	650.0	645.1	613.6
27.5°	882.6	877.0	862.4	832.3	804.8	779.7	766.8	750.5	738.4	736.0	703.5
30°	1004.2	990.4	975.0	938.5	901.3	867.2	854.3	847.8	838.9	835.7	799.1
32.5°	1125.0	1124.2	1101.5	1055.2	1006.6	968.6	956.3	953.2	945.1	945.8	902.1
35°	1267.6	1266.9	1238.5	1181.7	1120.9	1073.9	1065.9	1069.8	1067.5	1066.6	1017.2
37.5°	1419.2	1416.0	1384.4	1315.5	1240.1	1186.5	1180.9	1194.6	1205.2	1197.9	1140.3
40°	1575.6	1578.0	1535.1	1454.0	1365.7	1304.9	1301.8	1333.3	1344.7	1337.4	1269.3
42.5°	1727.2	1725.5	1685.0	1601.5	1492.9	1428.1	1430.5	1471.8	1485.7	1482.4	1407.0
45°	1873.9	1872.2	1835.8	1738.6	1623.5	1552.9	1565.0	1615.3	1642.0	1642.0	1552.1
47.5°	2002.7	2001.1	1969.5	1870.6	1749.0	1677.7	1697.3	1765.3	1809.9	1804.2	1698.0
50°	2108.1	2105.7	2083.8	1993.0	1868.3	1800.1	1833.4	1921.7	1976.1	1963.8	1847.1
52.5°	2175.4	2178.6	2168.1	2091.9	1975.2	1913.5	1964.7	2075.7	2135.7	2130.8	1998.7
55°	2207.8	2209.4	2222.5	2163.3	2061.0	2014.0	2089.5	2224.0	2297.8	2291.2	2144.5
57.5°	2192.4	2197.3	2232.1	2201.3	2120.2	2096.8	2201.3	2361.0	2449.4	2450.1	2273.4
60°	2127.6	2140.5	2194.0	2201.3	2149.4	2150.2	2293.7	2482.6	2583.9	2578.2	2380.4
62.5°	2019.0	2035.2	2113.0	2152.7	2134.8	2174.6	2354.5	2577.4	2681.1	2685.1	2457.5
65°	1869.0	1884.4	1978.4	2057.9	2078.9	2160.8	2381.3	2637.4	2747.7	2746.8	2484.2
66°	1797.8	1813.0	1913.5	2007.6	2044.9	2141.4	2379.6	2646.3	2756.5	2755.7	2480.1
67.5°	1680.2	1697.3	1801.8	1916.1	1977.6	2098.5	2361.0	2641.5	2751.7	2750.0	2453.4
70°	1463.0	1482.4	1599.1	1725.5	1828.5	1987.3	2286.5	2586.2	2691.7	2683.6	2354.5
72.5°	1236.0	1256.3	1373.0	1507.6	1652.6	1840.7	2152.7	2459.1	2553.9	2543.3	2189.1
75°	1013.9	1033.4	1148.6	1285.4	1442.7	1647.7	1964.7	2258.1	2333.4	2332.6	1966.2
77.5°	811.4	828.3	931.2	1067.5	1226.3	1433.8	1733.6	2015.0	2076.5	2060.3	1701.2
80°	636.2	652.5	740.8	863.1	1018.0	1211.6	1480.8	1720.8	1753.9	1744.3	1421.6
82.5°	493.7	508.2	585.2	691.4	830.8	1001.0	1215.0	1424.0	1439.5	1428.9	1150.9
85°	381.8	394.8	460.4	552.0	670.3	811.4	982.4	1130.7	1145.2	1137.9	909.4
87.5°	295.9	304.8	359.9	436.8	536.6	650.8	778.9	893.2	887.5	880.2	703.5
90°	228.6	237.5	282.9	346.9	428.8	517.9	612.0	688.9	678.4	670.3	539.8
92.5°	177.5	184.0	223.7	277.2	343.6	411.7	478.2	527.6	513.8	508.2	411.7
95°	140.2	145.1	176.7	226.1	277.2	329.1	374.4	409.2	389.1	384.1	313.7
97.5°	112.6	116.0	142.7	182.4	225.3	265.1	295.9	310.4	295.0	290.9	239.1
100°	92.5	94.1	116.7	148.4	183.2	215.6	235.0	241.6	225.3	222.2	182.4
102.5°	76.2	77.8	96.4	124.8	152.4	175.1	187.3	191.3	171.0	168.6	141.1
105°	64.0	64.8	80.2	105.3	128.1	144.2	152.4	148.4	132.1	129.7	110.3
107.5°	55.0	55.9	67.3	89.9	108.6	120.7	125.6	119.9	102.9	100.5	86.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	47.8	47.8	57.6	76.2	92.5	102.9	104.6	95.6	81.1	79.4	69.7
112.5°	42.2	42.2	50.3	65.7	79.4	87.5	87.5	77.8	64.0	63.3	56.7
115°	38.1	38.1	43.8	56.7	69.0	75.4	73.8	63.3	51.9	51.1	47.0
117.5°	34.1	34.1	38.1	48.6	59.2	64.8	62.4	51.9	42.2	41.3	39.7
120°	30.8	30.8	34.1	41.3	51.1	55.0	52.7	42.9	34.9	34.1	33.3
122.5°	28.4	28.4	29.9	36.5	43.8	47.0	44.6	35.6	29.2	29.2	28.4
125°	25.9	25.9	27.6	31.5	37.2	40.5	37.2	29.2	24.4	24.4	25.1
127.5°	24.4	24.4	25.1	27.6	32.4	34.1	30.8	24.4	21.1	21.1	21.9
130°	21.9	21.9	22.7	24.4	26.8	28.4	25.1	20.2	18.7	17.8	18.7
132.5°	20.2	20.2	20.2	21.1	21.9	22.7	20.2	16.2	15.4	15.4	16.2
135°	17.8	18.7	17.8	17.8	17.8	17.8	15.4	13.0	13.0	13.0	13.7
137.5°	16.2	16.2	15.4	14.6	14.6	13.7	12.1	10.5	10.5	10.5	11.4
140°	13.7	13.7	13.7	12.1	10.5	9.8	8.0	8.0	9.0	9.0	9.8
142.5°	11.4	11.4	10.5	9.8	7.3	6.4	5.7	5.7	6.4	6.4	7.3
145°	9.0	9.0	8.0	6.4	4.9	3.3	3.3	3.3	4.1	4.1	4.9
147.5°	6.4	6.4	5.7	4.1	2.4	1.6	1.6	2.4	3.3	3.3	4.1
150°	4.1	4.1	3.3	2.4	0.8	0.0	0.8	1.6	2.4	2.4	3.3
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3
2.5°	226.9	225.3	222.2	219.6	216.5	214.8	213.9	212.4	211.5	210.8	210.8
5°	236.6	233.4	227.8	222.2	217.2	212.4	209.9	207.5	205.1	203.4	203.4
7.5°	252.8	248.0	239.1	230.2	222.2	215.6	210.8	207.5	204.2	202.6	201.8
10°	275.6	269.1	257.0	244.7	233.4	223.7	217.2	213.2	209.9	207.5	206.7
12.5°	311.3	301.5	283.6	265.8	248.0	237.5	228.6	226.1	224.5	222.9	224.5
15°	352.6	340.5	318.5	295.0	273.1	256.1	248.8	247.3	245.7	244.7	244.7
17.5°	398.8	385.8	356.6	325.8	299.1	282.1	271.5	268.2	265.8	265.1	264.2
20°	454.7	437.7	400.4	360.7	329.1	310.4	295.9	290.2	287.7	287.7	287.7
22.5°	519.5	496.8	450.7	398.8	362.3	336.4	321.0	312.1	310.4	311.3	310.4
25°	592.5	564.9	505.8	441.7	393.9	361.5	342.0	333.9	331.5	333.1	333.1
27.5°	675.1	643.5	564.9	487.1	423.9	383.4	361.5	354.2	351.7	354.2	354.2
30°	761.9	726.2	626.5	530.0	449.8	401.2	376.8	371.3	368.8	371.3	372.0
32.5°	865.7	812.2	691.4	571.4	474.1	415.8	389.8	385.0	382.5	385.8	385.8
35°	972.6	907.0	756.2	609.4	493.7	426.3	398.8	394.8	393.2	396.3	396.3
37.5°	1081.2	1009.9	822.6	643.5	508.2	433.6	405.3	402.0	401.2	401.2	402.0
40°	1200.3	1111.1	885.9	671.1	518.8	437.7	409.2	405.3	404.5	403.6	403.6
42.5°	1323.5	1209.3	942.6	692.1	523.6	438.4	409.2	406.9	406.1	402.8	402.0
45°	1450.0	1313.9	996.1	706.8	525.2	436.8	408.5	406.1	405.3	399.6	398.8
47.5°	1578.9	1414.4	1039.9	713.3	521.1	433.6	406.1	403.6	402.0	393.2	393.2
50°	1706.1	1513.2	1077.2	714.0	514.7	428.0	402.8	402.0	398.8	388.2	386.6
52.5°	1830.9	1606.4	1104.7	708.3	504.1	422.3	399.6	399.6	395.5	384.1	382.5
55°	1948.4	1689.9	1120.9	695.4	492.0	414.9	395.5	396.3	392.2	380.1	378.5
57.5°	2050.6	1758.7	1123.4	676.0	478.2	407.6	391.4	393.2	390.7	376.8	375.3
60°	2132.4	1802.6	1112.0	652.5	461.9	398.8	386.6	389.8	387.5	374.4	373.6
62.5°	2177.0	1819.6	1083.7	623.4	445.8	390.7	380.1	385.8	384.1	371.3	370.4
65°	2180.3	1798.5	1036.7	590.0	428.8	381.0	374.4	379.3	379.3	367.9	367.1
66°	2168.1	1777.4	1013.2	577.1	421.4	376.8	371.3	376.8	377.7	367.1	365.6
67.5°	2130.0	1733.6	972.6	554.4	410.2	370.4	365.6	372.0	372.8	364.0	361.5
70°	2023.8	1626.7	898.8	517.2	391.4	357.4	355.0	361.5	363.1	355.8	353.4
72.5°	1860.9	1486.5	812.2	476.6	370.4	342.8	342.0	348.5	350.1	343.6	341.2
75°	1655.1	1302.5	716.5	436.8	347.7	326.6	325.8	330.7	333.1	328.3	324.2
77.5°	1420.1	1113.7	622.4	396.3	325.0	308.0	308.0	312.1	312.8	308.0	304.0
80°	1179.2	927.2	537.3	355.8	301.5	287.0	287.0	288.6	289.3	284.5	279.6
82.5°	953.2	756.2	455.5	317.0	274.8	263.5	262.6	262.6	261.7	257.8	252.1
85°	753.8	607.1	381.0	280.5	248.8	240.0	237.5	235.0	233.4	228.6	223.7
87.5°	589.2	483.0	321.0	246.4	222.9	215.6	212.4	209.1	205.1	199.4	193.0
90°	457.9	382.5	267.4	214.8	197.0	190.4	185.6	180.8	175.9	169.4	166.2
92.5°	355.0	302.3	223.7	184.7	172.6	167.8	162.9	156.5	149.9	143.4	140.2
95°	276.4	240.7	185.6	159.6	150.8	146.7	141.8	134.5	126.4	119.9	117.6
97.5°	215.6	191.3	154.8	137.7	132.1	127.3	122.4	115.0	106.2	98.9	97.2
100°	167.8	152.4	129.7	119.1	114.2	111.0	106.2	98.9	88.4	81.1	80.2
102.5°	133.0	122.4	108.6	102.9	99.7	96.4	91.6	84.2	73.8	65.7	65.7
105°	105.3	98.9	91.6	88.4	85.9	83.5	78.6	71.3	60.0	53.5	53.5
107.5°	85.1	80.2	77.0	75.4	74.6	72.1	68.1	60.0	49.5	43.8	43.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	69.0	66.4	64.8	64.8	64.0	63.3	58.4	50.3	40.5	35.6	36.5
112.5°	56.7	55.0	55.0	55.9	55.9	54.3	49.5	42.2	33.3	29.9	29.9
115°	47.0	46.2	47.0	47.8	48.6	47.0	42.2	34.9	26.8	25.1	25.1
117.5°	39.7	39.7	40.5	41.3	41.3	39.7	35.6	29.2	21.9	21.1	21.1
120°	34.1	34.1	34.1	34.9	35.6	34.1	29.9	23.5	17.8	17.8	17.8
122.5°	29.2	29.2	29.2	29.9	29.9	29.2	25.1	19.4	15.4	15.4	15.4
125°	25.1	25.1	25.1	25.9	25.9	24.4	20.2	16.2	13.0	13.0	13.0
127.5°	21.9	21.9	21.9	21.9	21.9	20.2	17.1	13.0	10.5	11.4	11.4
130°	19.4	19.4	18.7	18.7	17.8	17.1	13.7	10.5	9.0	9.8	9.8
132.5°	16.2	17.1	16.2	15.4	14.6	13.0	10.5	8.0	7.3	8.0	8.0
135°	13.7	14.6	13.7	12.1	11.4	10.5	8.0	6.4	6.4	6.4	6.4
137.5°	12.1	12.1	11.4	9.8	9.0	7.3	5.7	4.9	4.9	5.7	5.7
140°	9.8	9.8	9.0	7.3	6.4	4.9	3.3	3.3	4.1	4.1	4.1
142.5°	7.3	7.3	6.4	4.9	3.3	2.4	1.6	1.6	2.4	3.3	3.3
145°	4.9	4.9	4.9	3.3	2.4	0.8	0.0	0.8	1.6	1.6	1.6
147.5°	4.1	4.1	3.3	2.4	0.8	0.0	0.0	0.0	0.8	0.8	0.8
150°	3.3	3.3	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)