

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: P416980

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416980  
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-PA1-80-830-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA 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: 6758 lumens  
Efficiency: N/A  
Efficacy: 81.4 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: B2 - U3 - G3

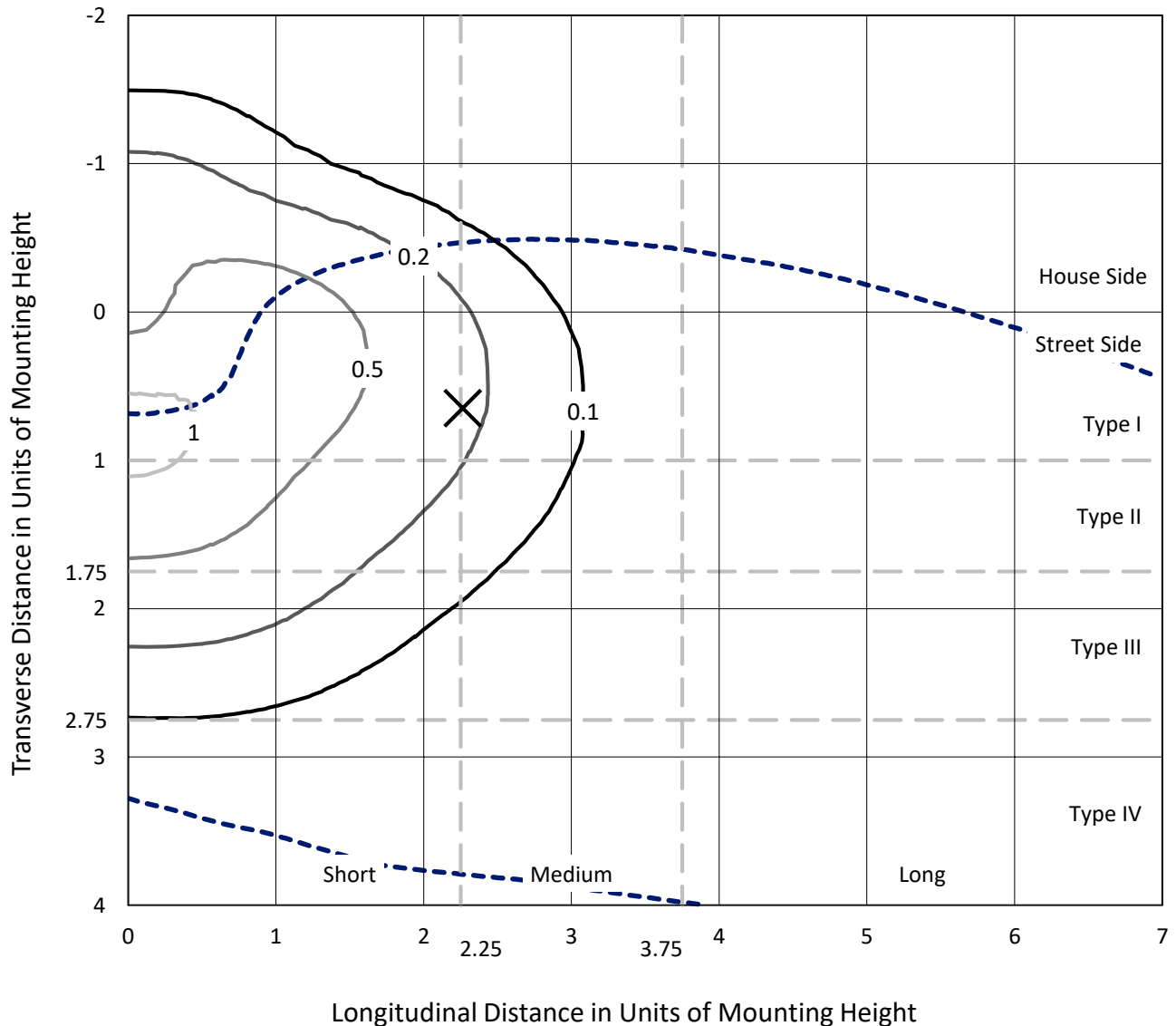
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

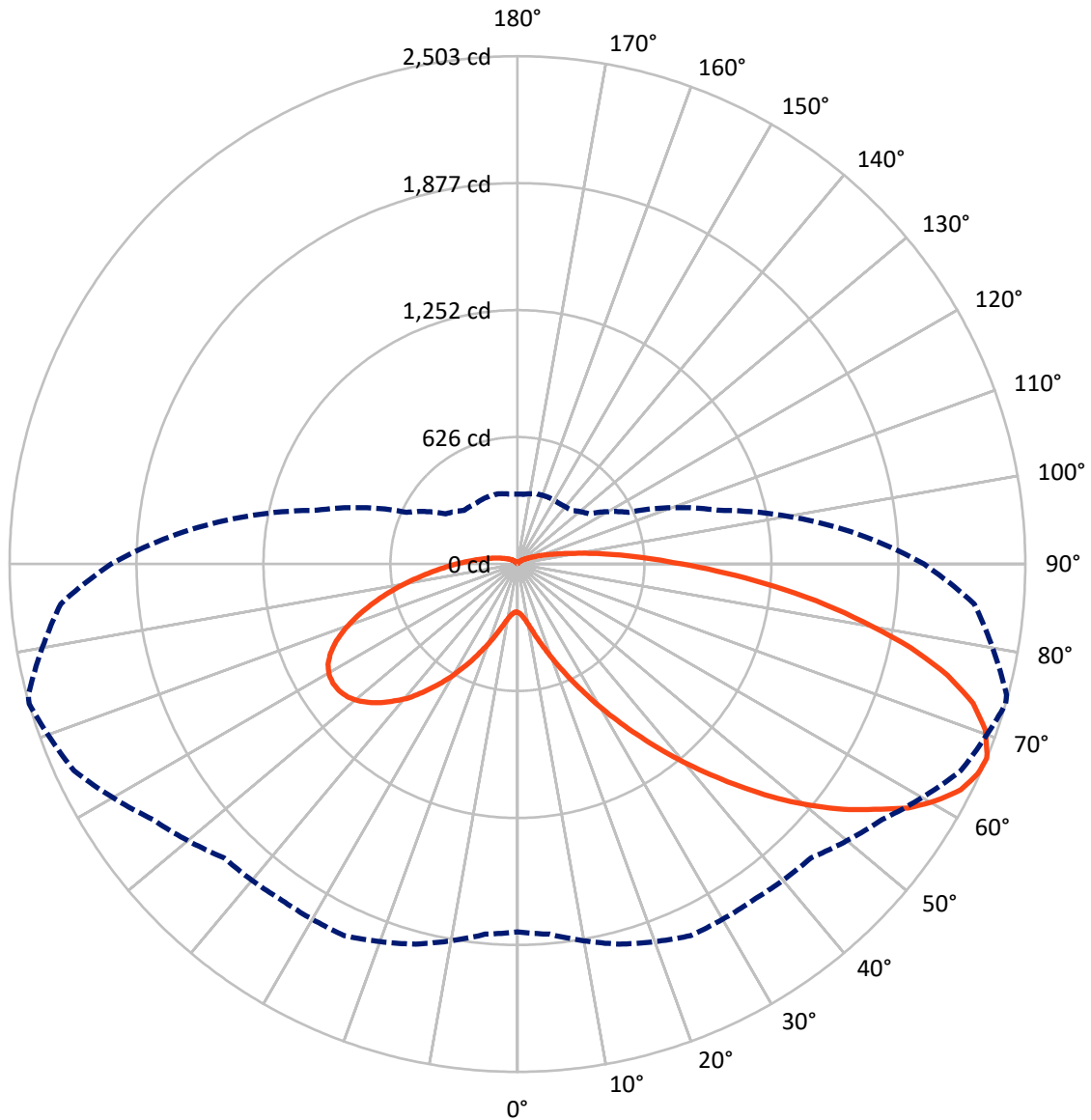
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1629.0	201.5	1830.5
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	4576.7	350.8	4927.5
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	6205.8	552.3	6758.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.1	0.4
10°-20°	103.7	1.5
20°-30°	262.5	3.9
30°-40°	526.7	7.8
40°-50°	884.2	13.1
50°-60°	1240.4	18.4
60°-70°	1386.4	20.5
70°-80°	1131.1	16.7
80°-90°	645.7	9.6
90°-100°	295.1	4.4
100°-110°	135.0	2.0
110°-120°	66.6	1.0
120°-130°	33.9	0.5
130°-140°	15.7	0.2
140°-150°	5.2	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6205.8	91.8
0°-180°	6758.0	100.0

**Coefficient of Utilization**



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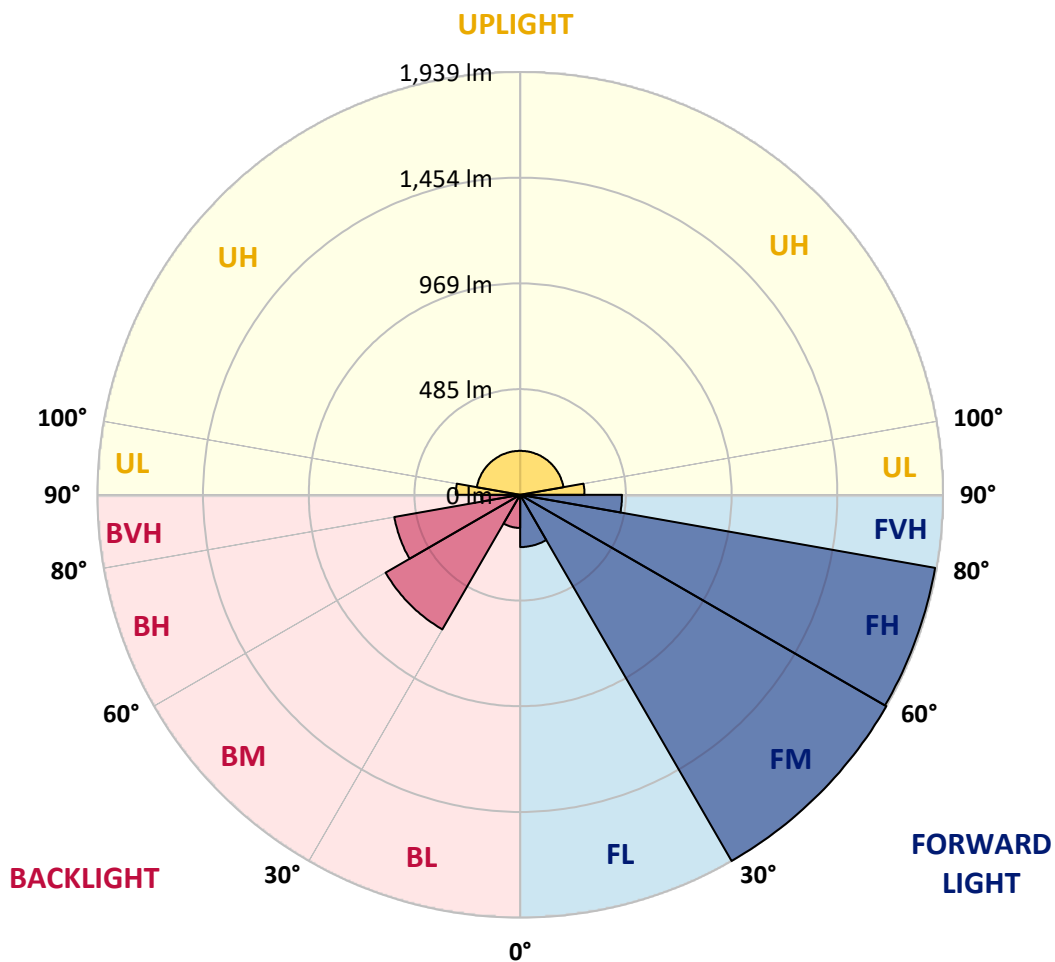
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.5	3.5			
FM (30°-60°)	1938.7	28.7			
FH (60°-80°)	1931.7	28.6			G2/5000
FVH (80°-90°)	466.8	6.9			G3/500
BL (0°-30°)	151.8	2.2	B1/500		
BM (30°-60°)	712.6	10.5	B1/1000		
BH (60°-80°)	585.8	8.7	B2/1000		G2/1000
BVH (80°-90°)	178.8	2.6			G2/225
UL (90°-100°)	295.1	4.4		U3/500	
UH (100°-180°)	201.5	3.0		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	259.1	257.5	257.5	255.9	255.1	251.9	249.5	246.3	244.8	244.0	241.6
5°	282.9	280.5	280.5	278.9	275.7	271.8	266.2	263.0	257.5	258.3	251.1
7.5°	311.5	310.7	309.1	305.9	302.0	297.2	291.6	284.5	278.1	278.1	269.4
10°	349.6	344.9	344.9	340.9	336.9	329.8	321.8	313.9	305.1	304.4	292.4
12.5°	395.7	394.9	390.2	384.6	378.3	371.1	358.4	350.4	341.7	340.9	328.2
15°	449.8	447.4	441.0	438.6	429.1	416.4	406.1	398.1	389.4	386.2	369.5
17.5°	513.3	510.2	507.8	495.9	487.9	477.6	465.7	455.3	440.2	438.6	420.4
20°	588.0	580.9	573.7	564.2	551.5	541.9	529.2	519.7	502.2	502.2	477.6
22.5°	666.7	665.1	658.8	642.9	625.4	615.9	603.9	584.9	570.6	566.6	539.6
25°	762.1	760.5	747.8	731.1	712.8	698.5	679.4	658.8	646.8	646.0	615.9
27.5°	870.1	872.5	850.3	828.8	804.2	781.1	760.5	750.1	734.3	731.9	696.9
30°	1000.5	990.1	967.1	936.1	901.9	872.5	851.1	840.7	830.4	829.6	787.5
32.5°	1133.2	1121.2	1101.4	1058.5	1010.8	965.5	955.2	946.4	934.5	928.1	886.0
35°	1280.2	1270.6	1242.0	1185.6	1122.0	1072.8	1051.3	1052.9	1047.3	1044.2	993.3
37.5°	1442.3	1425.6	1386.7	1331.8	1238.1	1184.8	1160.2	1173.7	1170.5	1164.2	1110.9
40°	1594.9	1592.5	1551.2	1466.1	1371.6	1296.1	1279.4	1302.4	1298.5	1290.5	1231.7
42.5°	1771.3	1753.8	1707.7	1612.3	1497.9	1414.5	1396.2	1430.4	1435.1	1436.7	1358.1
45°	1922.3	1914.3	1870.6	1760.9	1629.0	1538.4	1523.3	1559.9	1575.8	1577.4	1490.8
47.5°	2069.3	2066.1	2021.6	1907.9	1757.0	1660.8	1640.9	1693.4	1726.8	1719.6	1617.1
50°	2179.7	2185.3	2149.5	2041.4	1884.1	1769.7	1774.4	1838.8	1869.8	1865.8	1752.2
52.5°	2274.3	2266.3	2251.2	2148.7	1985.0	1880.1	1885.7	1962.8	2008.9	2006.5	1880.1
55°	2309.2	2306.9	2308.5	2225.0	2067.7	1970.7	1987.4	2096.3	2134.4	2129.7	1984.2
57.5°	2302.1	2300.5	2325.1	2270.3	2134.4	2042.2	2080.4	2205.9	2268.7	2262.4	2093.9
60°	2248.1	2240.9	2294.1	2274.3	2161.4	2086.7	2153.5	2302.1	2369.6	2368.0	2183.7
62.5°	2126.5	2137.6	2211.5	2229.8	2153.5	2109.8	2197.2	2376.8	2452.3	2446.7	2248.1
65°	1957.2	1985.0	2074.0	2137.6	2099.5	2089.1	2213.1	2410.2	2493.6	2492.8	2271.1
67°	1812.6	1831.7	1939.7	2020.8	2023.2	2047.0	2194.8	2411.0	2503.1	2496.0	2260.0
67.5°	1761.7	1787.2	1896.8	1995.4	2005.7	2035.1	2187.7	2409.4	2496.8	2492.8	2254.4
70°	1531.3	1560.7	1680.7	1804.6	1868.2	1931.8	2122.5	2364.9	2445.9	2437.2	2190.0
72.5°	1297.7	1339.0	1452.6	1599.6	1692.6	1797.5	2009.7	2253.6	2349.0	2330.7	2064.5
75°	1073.6	1101.4	1211.8	1370.8	1491.6	1633.8	1855.5	2103.4	2189.3	2174.2	1904.8
77.5°	855.8	881.3	987.7	1147.5	1284.2	1443.9	1675.1	1915.1	1981.9	1973.1	1702.1
80°	675.5	693.7	796.2	938.5	1079.1	1250.0	1469.3	1683.9	1727.6	1733.9	1478.8
82.5°	519.7	543.5	632.5	758.1	890.8	1053.7	1244.4	1434.3	1482.8	1466.9	1250.0
85°	397.3	417.2	496.7	603.1	735.8	873.3	1043.4	1199.1	1220.6	1202.3	1013.2
87.5°	310.7	325.8	387.8	491.1	596.8	714.4	850.3	969.5	980.6	977.4	811.3
90°	240.8	254.3	305.9	387.8	484.7	585.7	692.1	775.6	770.0	774.8	639.7
92.5°	189.1	196.3	243.2	315.5	396.5	477.6	558.6	614.3	613.5	600.0	499.0
95°	153.4	157.3	197.9	258.3	323.4	387.8	448.2	483.9	482.4	468.0	389.4
97.5°	124.0	126.3	161.3	212.2	267.0	317.1	360.8	386.2	373.5	367.9	305.1
100°	101.7	103.3	133.5	177.2	222.5	265.4	296.4	306.7	289.3	286.1	240.0
102.5°	86.6	87.4	112.8	150.2	185.9	218.5	241.6	246.3	225.7	227.3	189.1
105°	73.9	74.7	94.6	127.9	158.1	182.8	199.5	197.1	180.4	178.0	151.0
107.5°	64.4	65.2	81.1	109.7	135.9	156.5	165.3	159.7	144.6	141.4	121.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	56.4	57.2	69.9	93.8	116.8	134.3	139.1	130.3	116.8	113.6	100.1
112.5°	50.9	50.9	61.2	81.1	101.7	116.0	117.6	108.9	93.8	92.2	83.4
115°	46.1	46.1	54.0	69.9	88.2	99.3	99.3	89.0	77.1	76.3	69.9
117.5°	42.1	42.1	47.7	61.2	76.3	85.8	84.2	74.7	64.4	63.6	60.4
120°	38.9	38.9	42.9	53.2	66.0	73.1	71.5	62.0	54.0	53.2	51.7
122.5°	35.8	36.6	38.9	46.9	57.2	62.8	61.2	53.2	46.1	45.3	45.3
125°	33.4	33.4	35.0	40.5	49.3	54.0	51.7	43.7	38.9	38.9	38.9
127.5°	31.0	31.0	31.8	35.8	42.1	45.3	42.9	36.6	34.2	33.4	34.2
130°	28.6	28.6	29.4	31.0	35.8	37.3	35.0	31.0	28.6	28.6	29.4
132.5°	26.2	26.2	26.2	27.0	29.4	31.0	28.6	25.4	24.6	24.6	25.4
135°	23.8	24.6	23.8	23.8	24.6	24.6	22.3	20.7	20.7	21.5	22.3
137.5°	21.5	21.5	20.7	19.9	19.9	19.1	17.5	16.7	17.5	17.5	18.3
140°	19.1	19.1	18.3	16.7	15.1	14.3	13.5	12.7	14.3	14.3	15.1
142.5°	16.7	16.7	15.1	13.5	11.1	9.5	8.7	9.5	11.1	11.1	11.9
145°	13.5	13.5	12.7	11.1	7.9	6.4	5.6	7.2	7.9	7.9	8.7
147.5°	11.1	10.3	9.5	7.9	5.6	4.0	3.2	4.8	5.6	5.6	6.4
150°	7.9	7.9	7.2	5.6	3.2	1.6	1.6	2.4	3.2	3.2	4.0
152.5°	5.6	5.6	4.8	3.2	1.6	0.0	0.8	1.6	1.6	1.6	2.4
155°	3.2	3.2	3.2	2.4	0.8	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.6	0.8	0.8	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°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	240.0	238.4	236.8	234.4	232.8	231.2	229.7	228.9	228.9	228.1	228.9
5°	248.7	246.3	241.6	237.6	232.8	229.7	226.5	224.9	223.3	222.5	222.5
7.5°	264.6	261.4	253.5	246.3	239.2	233.6	229.7	225.7	224.1	223.3	223.3
10°	287.7	282.9	271.0	260.6	250.3	243.2	236.0	232.0	229.7	228.1	228.1
12.5°	320.2	312.3	297.2	279.7	266.2	256.7	247.9	244.0	243.2	243.2	243.2
15°	363.9	352.8	329.8	309.1	289.3	272.6	266.2	266.2	265.4	264.6	265.4
17.5°	409.2	396.5	367.9	341.7	317.1	300.4	290.0	287.7	286.9	286.1	286.9
20°	463.3	447.4	414.0	378.3	347.3	331.4	317.1	310.7	309.9	310.7	309.1
22.5°	524.5	507.0	457.7	414.8	380.6	358.4	341.7	333.0	334.5	334.5	333.8
25°	598.4	571.4	513.3	455.3	414.0	383.0	363.9	355.2	356.0	357.6	359.2
27.5°	673.1	642.1	568.2	497.4	443.4	407.7	385.4	375.9	375.1	379.8	379.0
30°	760.5	720.7	628.6	540.4	470.4	425.1	402.1	394.1	393.4	397.3	398.1
32.5°	854.2	805.0	691.3	583.3	494.3	440.2	414.0	408.4	406.9	410.8	411.6
35°	956.8	894.0	752.5	620.6	514.1	450.6	423.5	417.2	414.8	418.8	420.4
37.5°	1056.1	983.0	815.3	654.0	530.0	456.9	427.5	422.8	419.6	422.0	422.8
40°	1161.0	1083.1	878.9	684.2	539.6	460.1	429.1	424.3	421.2	421.2	421.2
42.5°	1276.2	1175.3	930.5	705.6	545.1	459.3	427.5	422.0	418.0	414.8	414.8
45°	1394.6	1274.6	983.8	723.1	545.9	455.3	423.5	418.8	412.4	406.1	405.3
47.5°	1509.8	1364.4	1030.7	732.7	543.5	449.8	418.0	411.6	406.1	396.5	396.5
50°	1621.9	1454.2	1069.6	737.4	536.4	443.4	412.4	406.1	398.9	386.2	384.6
52.5°	1724.4	1536.1	1099.0	735.8	526.1	434.7	405.3	399.7	391.0	375.9	375.9
55°	1825.3	1611.5	1117.3	725.5	513.3	425.1	398.9	393.4	383.8	367.9	366.3
57.5°	1907.9	1665.6	1124.4	709.6	499.0	414.8	392.6	387.0	378.3	360.8	360.8
60°	1977.9	1710.9	1119.7	689.0	483.1	405.3	384.6	381.4	373.5	356.8	356.8
62.5°	2018.4	1729.2	1101.4	662.7	464.9	394.9	377.5	375.9	368.7	352.8	352.8
65°	2027.1	1717.2	1064.0	630.2	446.6	383.0	369.5	368.7	363.9	348.9	347.3
67°	2003.3	1686.2	1022.7	602.3	430.7	373.5	362.4	362.4	358.4	344.9	344.1
67.5°	1994.6	1674.3	1011.6	595.2	427.5	371.9	360.8	361.6	357.6	344.1	341.7
70°	1918.3	1594.1	943.2	554.7	405.3	357.6	350.4	351.2	348.1	337.7	335.3
72.5°	1799.9	1478.8	863.0	515.7	383.0	343.3	336.1	339.3	336.1	328.2	323.4
75°	1640.2	1338.2	779.5	471.2	360.8	325.8	321.0	322.6	321.8	313.9	309.9
77.5°	1451.8	1183.2	690.5	429.9	336.1	308.3	303.6	305.9	304.4	297.2	292.4
80°	1247.6	1019.5	604.7	388.6	310.7	288.5	283.7	284.5	283.7	276.5	270.2
82.5°	1047.3	859.0	517.3	348.1	286.1	267.0	261.4	260.6	259.1	251.1	246.3
85°	864.6	705.6	441.8	309.1	260.6	243.2	238.4	235.2	232.8	224.1	220.9
87.5°	689.0	576.9	373.5	275.7	235.2	220.9	214.6	209.0	205.0	197.1	193.9
90°	549.9	464.9	318.7	241.6	212.2	199.5	190.7	183.6	178.8	170.1	165.3
92.5°	436.3	370.3	267.8	212.2	189.9	178.8	170.8	162.1	155.8	144.6	142.2
95°	345.7	298.0	225.7	185.9	168.5	158.9	151.8	142.2	133.5	122.4	120.0
97.5°	273.4	243.2	189.9	162.9	148.6	140.7	133.5	124.0	114.4	103.3	101.7
100°	218.5	195.5	162.9	142.2	132.7	124.8	117.6	108.9	96.9	85.8	85.8
102.5°	175.6	160.5	136.7	124.8	116.8	110.5	104.1	95.4	82.6	70.7	70.7
105°	142.2	132.7	117.6	108.9	103.3	98.5	92.2	81.8	69.1	59.6	59.6
107.5°	116.8	109.7	100.9	94.6	91.4	86.6	81.1	70.7	58.8	50.1	50.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	96.9	92.2	85.8	83.4	81.1	77.1	70.7	61.2	49.3	42.9	42.9
112.5°	81.1	78.7	73.9	73.1	71.5	68.3	62.0	52.4	41.3	37.3	37.3
115°	69.1	67.5	64.4	64.4	62.8	60.4	54.0	45.3	35.8	31.8	32.6
117.5°	58.8	58.0	56.4	56.4	55.6	53.2	46.9	38.9	30.2	28.6	28.6
120°	51.7	50.9	50.1	49.3	49.3	46.1	40.5	32.6	26.2	25.4	25.4
122.5°	44.5	44.5	43.7	43.7	42.9	39.7	35.0	27.8	23.0	22.3	22.3
125°	38.9	38.9	38.1	38.1	37.3	35.0	30.2	23.8	19.9	19.9	19.9
127.5°	34.2	34.2	33.4	33.4	32.6	29.4	25.4	19.9	17.5	17.5	18.3
130°	30.2	30.2	29.4	28.6	27.8	25.4	20.7	16.7	15.1	15.9	15.9
132.5°	26.2	25.4	25.4	24.6	23.0	20.7	17.5	14.3	13.5	14.3	14.3
135°	22.3	22.3	21.5	20.7	19.1	17.5	14.3	11.9	11.9	12.7	12.7
137.5°	19.1	19.1	18.3	16.7	15.9	13.5	11.1	9.5	10.3	11.1	11.1
140°	15.1	15.9	15.1	13.5	11.9	10.3	8.7	7.9	8.7	9.5	10.3
142.5°	12.7	12.7	11.9	10.3	8.7	7.2	6.4	6.4	7.9	8.7	8.7
145°	9.5	9.5	8.7	7.9	5.6	4.8	4.0	5.6	6.4	7.2	7.2
147.5°	6.4	6.4	6.4	4.8	3.2	2.4	2.4	4.0	5.6	5.6	5.6
150°	4.0	4.0	4.0	3.2	1.6	0.8	1.6	3.2	4.0	4.8	4.8
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	3.2	3.2
155°	1.6	1.6	1.6	0.8	0.8	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	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

(END OF REPORT)