

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: P417369

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-830-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7126 lumens  
Efficiency: N/A  
Efficacy: 75.8 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 - G4

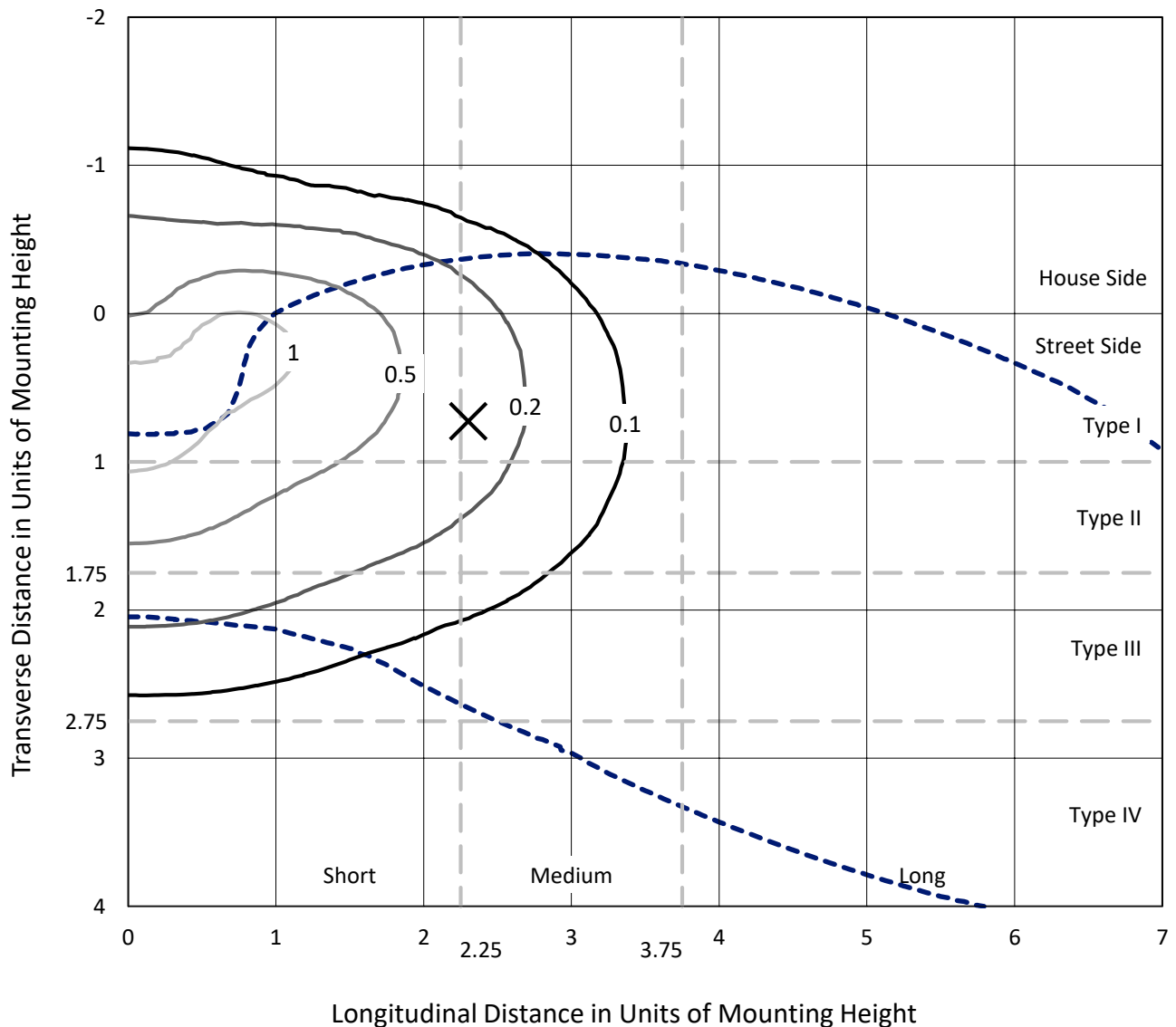
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

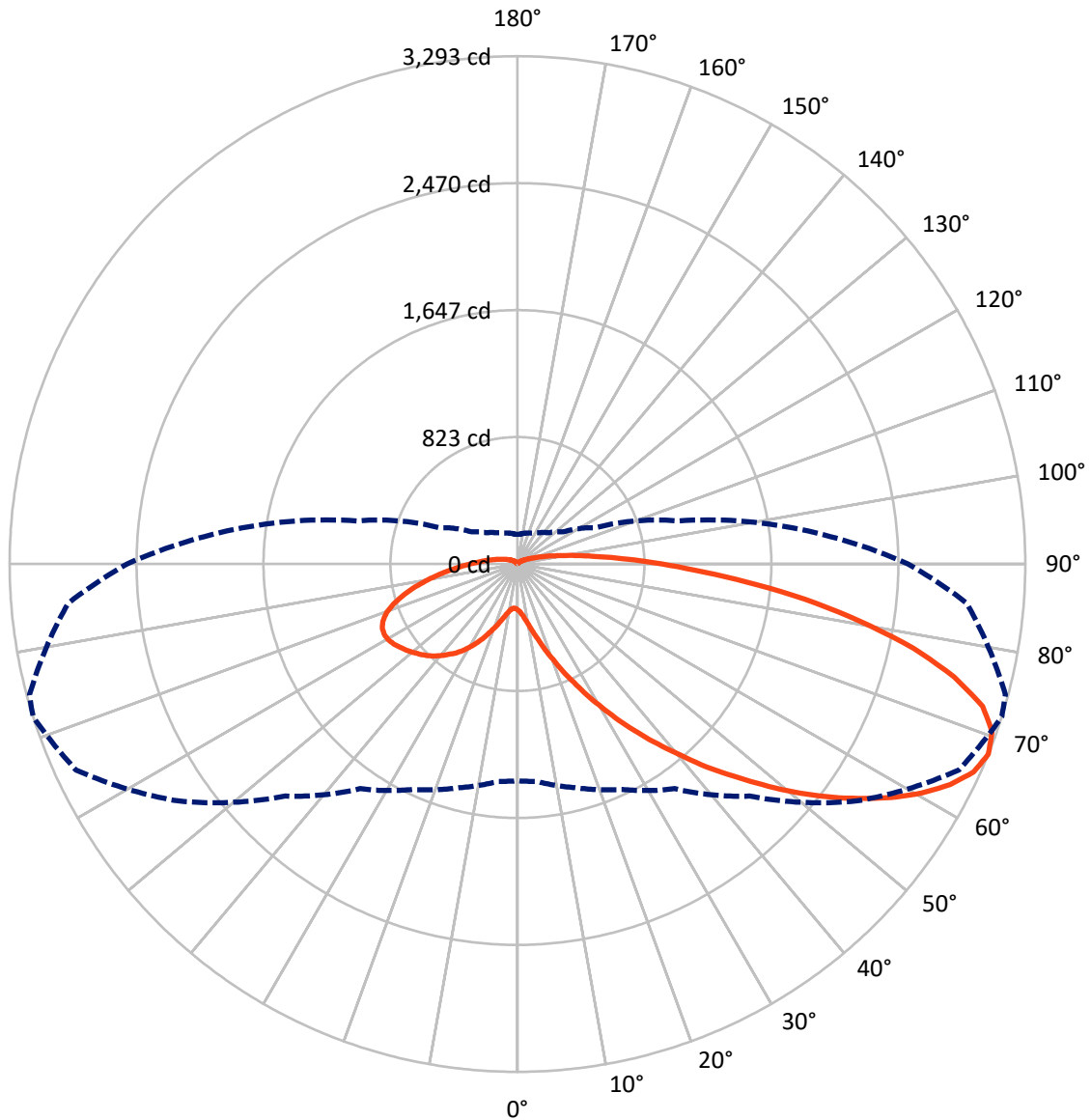
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1447.1	205.8	1652.9
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5074.0	399.1	5473.1
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	6521.1	604.9	7126.0
	% Fixture	91.5	8.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	0.4
10°-20°	121.6	1.7
20°-30°	293.6	4.1
30°-40°	559.6	7.9
40°-50°	900.7	12.6
50°-60°	1246.3	17.5
60°-70°	1431.9	20.1
70°-80°	1229.1	17.2
80°-90°	707.7	9.9
90°-100°	319.8	4.5
100°-110°	147.0	2.1
110°-120°	73.9	1.0
120°-130°	38.3	0.5
130°-140°	18.2	0.3
140°-150°	6.2	0.1
150°-160°	1.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6521.1	91.5
0°-180°	7126.0	100.0

**Coefficient of Utilization**



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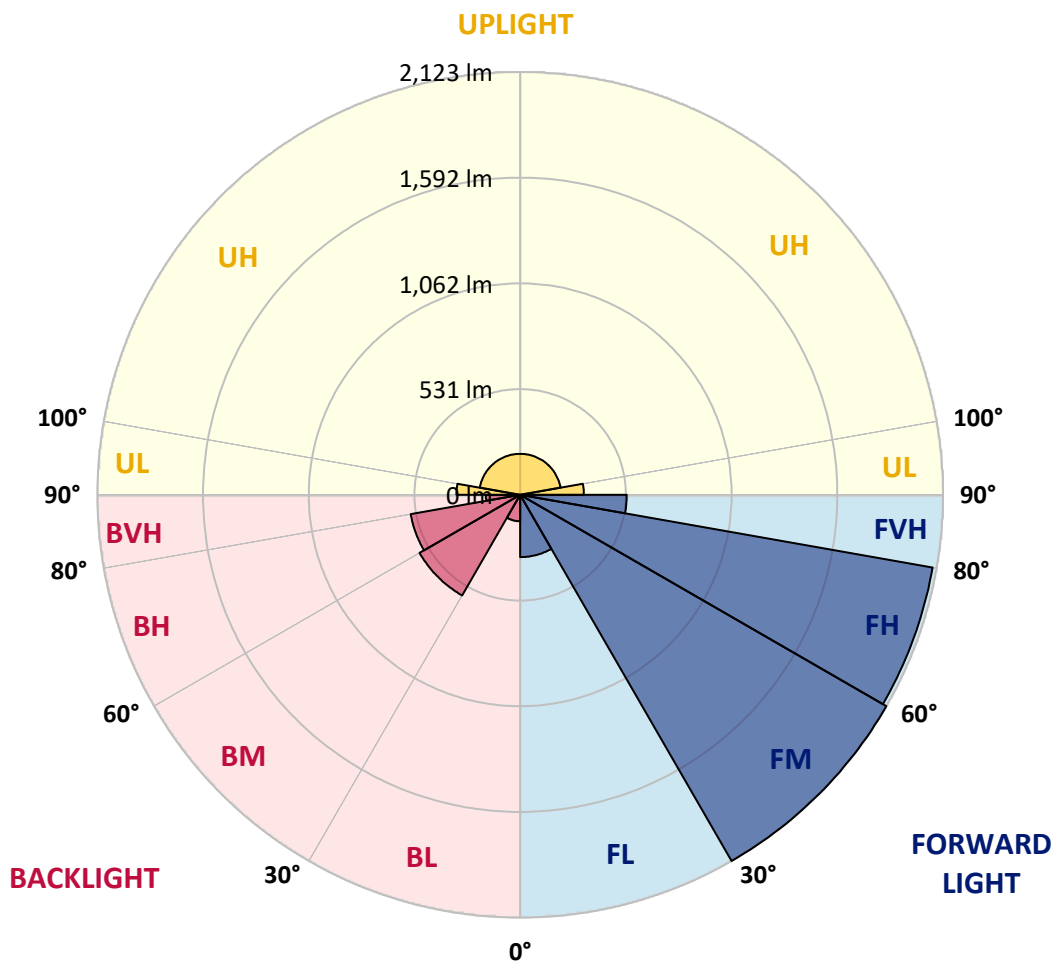
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.9	4.4			
FM	(30°-60°)	2123.1	29.8			
FH	(60°-80°)	2103.0	29.5			G2/5000
FVH	(80°-90°)	535.0	7.5			G4/750
BL	(0°-30°)	132.9	1.9	B1/500		
BM	(30°-60°)	583.5	8.2	B1/1000		
BH	(60°-80°)	558.0	7.8	B2/1000		G2/1000
BVH	(80°-90°)	172.7	2.4			G2/225
UL	(90°-100°)	319.8	4.5		U3/500	
UH	(100°-180°)	205.8	2.9		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	333.3	332.4	333.3	330.7	328.1	323.0	319.5	312.7	309.3	307.6	300.7
5°	380.4	379.5	378.7	375.2	366.7	360.7	350.4	338.4	330.7	327.3	316.1
7.5°	431.8	430.1	428.4	420.6	414.6	404.4	388.9	373.5	360.7	358.1	337.5
10°	490.0	488.3	484.9	478.9	467.8	453.2	439.5	417.2	400.9	393.2	371.0
12.5°	550.0	553.4	549.1	537.2	524.3	510.6	490.9	469.5	452.3	446.3	412.1
15°	622.8	625.4	621.1	607.4	593.7	573.1	557.7	535.4	512.3	508.9	471.2
17.5°	703.4	702.5	693.9	681.1	669.1	652.8	630.5	610.0	584.3	578.3	532.0
20°	790.7	787.3	779.6	758.2	747.0	728.2	714.5	686.2	661.4	652.8	606.5
22.5°	878.1	876.4	869.6	849.8	836.1	819.9	799.3	773.6	756.5	739.3	687.9
25°	987.8	977.5	968.9	933.8	921.0	905.5	887.5	866.1	849.8	840.4	781.3
27.5°	1097.4	1089.7	1070.0	1044.3	1019.5	994.6	986.9	968.1	962.9	955.2	888.4
30°	1206.2	1202.8	1181.4	1148.8	1112.9	1088.9	1084.6	1086.3	1078.6	1069.2	998.1
32.5°	1329.6	1321.9	1297.9	1254.2	1216.5	1188.2	1188.2	1200.2	1207.1	1197.7	1122.3
35°	1450.4	1443.5	1413.6	1359.6	1317.6	1283.3	1297.0	1325.3	1341.6	1341.6	1248.2
37.5°	1578.0	1562.6	1531.8	1475.2	1418.7	1393.9	1409.3	1458.1	1482.1	1482.1	1387.9
40°	1689.4	1688.6	1646.6	1578.9	1523.2	1486.4	1533.5	1598.6	1630.3	1627.7	1528.4
42.5°	1800.8	1799.9	1759.7	1685.1	1614.9	1596.0	1655.1	1746.8	1798.2	1798.2	1670.6
45°	1901.0	1894.2	1859.9	1777.7	1712.5	1704.0	1791.4	1907.9	1961.0	1969.6	1824.8
47.5°	1974.7	1968.7	1938.7	1859.0	1797.4	1812.8	1918.2	2066.4	2138.3	2137.5	1982.4
50°	2024.4	2018.4	1992.7	1924.1	1871.0	1909.6	2056.1	2234.3	2324.2	2331.1	2138.3
52.5°	2038.9	2035.5	2021.8	1965.3	1931.0	1997.0	2185.4	2405.6	2507.6	2513.6	2308.8
55°	2014.1	2014.1	2013.2	1979.0	1965.3	2074.9	2319.1	2572.7	2683.2	2694.3	2476.7
57.5°	1955.8	1958.4	1973.8	1962.7	1983.3	2137.5	2432.2	2723.4	2857.1	2863.9	2626.6
60°	1867.6	1862.5	1896.7	1917.3	1973.0	2176.9	2532.4	2875.1	3014.7	3017.3	2758.6
62.5°	1734.0	1736.5	1786.2	1840.2	1936.1	2193.2	2620.6	3007.9	3149.2	3155.2	2861.4
65°	1576.3	1582.3	1650.0	1740.8	1872.7	2176.0	2671.2	3109.8	3251.2	3243.5	2920.5
67.5°	1405.8	1414.4	1502.7	1613.2	1778.5	2128.0	2679.8	3158.7	3293.2	3276.0	2925.6
70°	1219.1	1241.4	1329.6	1473.5	1656.9	2036.4	2630.1	3150.1	3264.9	3248.6	2849.4
72.5°	1049.5	1065.7	1162.5	1312.5	1520.6	1903.6	2524.7	3051.6	3154.4	3121.8	2690.0
75°	880.7	905.5	997.2	1157.4	1373.3	1739.1	2345.6	2861.4	2924.8	2889.6	2452.7
77.5°	736.8	759.0	849.8	1004.1	1211.4	1566.9	2110.9	2572.7	2624.9	2588.9	2152.9
80°	600.5	625.4	713.6	865.3	1059.7	1364.7	1841.9	2235.1	2254.8	2198.3	1822.2
82.5°	502.0	514.9	597.1	730.8	909.8	1177.1	1566.0	1875.3	1876.2	1808.5	1480.4
85°	410.4	418.1	493.5	614.3	767.6	994.6	1285.9	1510.4	1493.2	1456.4	1141.1
87.5°	332.4	340.1	407.8	516.6	646.0	830.1	1049.5	1189.1	1148.8	1119.7	885.8
90°	272.4	281.0	336.7	430.9	542.3	685.4	835.3	919.2	883.3	861.0	682.8
92.5°	222.7	231.3	280.1	360.7	459.2	561.1	663.9	703.4	678.5	652.8	514.9
95°	188.5	190.2	233.9	301.6	379.5	453.2	520.0	543.1	508.9	499.5	398.4
97.5°	155.1	160.2	194.5	254.4	317.0	377.8	412.1	424.1	393.2	372.7	305.0
100°	131.9	134.5	164.5	212.5	263.9	307.6	334.1	328.1	300.7	288.7	231.3
102.5°	113.1	115.7	139.6	184.2	224.5	256.2	269.0	259.6	233.9	226.2	181.6
105°	99.4	100.2	119.9	155.9	190.2	216.7	221.9	207.3	182.5	172.2	143.1
107.5°	88.2	89.1	104.5	135.4	164.5	182.5	184.2	167.9	143.9	136.2	114.8
110°	78.8	80.5	91.7	117.4	142.2	155.9	154.2	137.1	114.8	107.9	94.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	71.1	72.8	81.4	102.8	123.4	135.4	131.1	110.5	91.7	87.4	78.0
115°	65.1	66.8	73.7	90.8	108.8	117.4	110.5	91.7	75.4	70.2	65.1
117.5°	60.8	61.7	66.8	80.5	94.2	101.1	93.4	76.2	61.7	58.3	55.7
120°	56.5	57.4	61.7	71.1	83.1	86.5	78.8	62.5	51.4	49.7	48.8
122.5°	53.1	53.1	56.5	63.4	72.0	74.5	66.8	52.3	43.7	42.0	42.8
125°	49.7	49.7	51.4	56.5	62.5	64.3	55.7	43.7	36.8	36.0	37.7
127.5°	46.3	46.3	47.1	50.5	54.0	54.0	46.3	36.0	31.7	30.8	33.4
130°	42.8	42.8	42.8	44.5	46.3	45.4	37.7	30.0	27.4	27.4	29.1
132.5°	39.4	39.4	39.4	39.4	38.6	36.8	30.8	24.0	24.0	24.0	25.7
135°	35.1	35.1	35.1	34.3	32.6	30.0	24.0	19.7	19.7	20.6	22.3
137.5°	31.7	31.7	30.8	29.1	26.6	23.1	18.8	15.4	17.1	17.1	18.8
140°	27.4	27.4	26.6	24.0	20.6	17.1	13.7	12.9	13.7	14.6	16.3
142.5°	23.1	23.1	22.3	19.7	16.3	12.0	9.4	9.4	11.1	11.1	12.9
145°	18.8	18.8	18.0	15.4	11.1	7.7	6.0	6.9	8.6	8.6	9.4
147.5°	14.6	14.6	13.7	11.1	7.7	5.1	3.4	5.1	6.0	6.0	6.9
150°	10.3	10.3	9.4	7.7	5.1	2.6	1.7	2.6	3.4	4.3	4.3
152.5°	6.9	6.9	6.0	5.1	2.6	0.9	1.7	2.6	2.6	2.6	3.4
155°	4.3	3.4	3.4	2.6	0.9	0.0	0.9	1.7	1.7	1.7	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.9	0.9	0.9	1.7	1.7
160°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
162.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
165°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
167.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
172.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
175°	0.0	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	299.0	295.6	290.4	285.3	280.1	276.7	273.3	271.6	269.0	266.4	266.4
5°	309.3	302.4	290.4	278.4	267.3	257.9	248.4	243.3	239.9	236.4	237.3
7.5°	328.1	317.8	298.1	278.4	260.4	245.0	232.2	221.9	215.0	210.7	211.6
10°	354.7	343.5	313.6	285.3	259.6	237.3	219.3	204.8	196.2	191.9	191.9
12.5°	396.7	377.8	338.4	298.1	263.9	233.9	210.7	193.6	181.6	176.5	175.6
15°	447.2	420.6	372.7	323.0	274.1	233.9	203.9	191.9	184.2	180.8	179.9
17.5°	507.2	478.0	412.1	346.1	287.9	239.0	213.3	198.8	190.2	186.8	185.9
20°	572.3	538.0	454.9	375.2	301.6	254.4	222.7	204.8	195.3	191.9	191.9
22.5°	651.9	606.5	501.2	400.9	318.7	267.3	232.2	209.9	201.3	197.9	197.0
25°	734.2	682.8	556.0	428.4	337.5	277.6	239.0	215.0	206.5	203.0	203.9
27.5°	831.0	765.0	610.0	455.8	353.8	283.6	242.4	219.3	210.7	208.2	209.0
30°	932.1	849.0	657.9	484.0	365.0	287.9	245.0	222.7	213.3	211.6	211.6
32.5°	1039.2	944.9	707.6	508.9	371.8	288.7	245.0	224.5	215.0	214.2	215.0
35°	1148.8	1037.5	755.6	528.6	375.2	287.9	244.2	226.2	215.0	215.0	215.0
37.5°	1270.5	1128.3	795.9	542.3	376.1	285.3	243.3	225.3	215.0	215.0	215.9
40°	1395.6	1225.1	840.4	553.4	375.2	283.6	242.4	225.3	215.0	215.0	215.9
42.5°	1519.8	1315.0	882.4	560.3	373.5	281.9	241.6	225.3	215.0	213.3	214.2
45°	1654.3	1419.6	922.7	564.6	371.8	281.0	241.6	224.5	215.0	211.6	212.5
47.5°	1779.4	1516.4	955.2	569.7	371.0	281.0	242.4	224.5	214.2	210.7	210.7
50°	1920.7	1616.6	988.6	571.4	369.2	281.0	242.4	224.5	213.3	208.2	209.0
52.5°	2060.4	1717.7	1021.2	574.8	369.2	281.9	243.3	224.5	212.5	205.6	205.6
55°	2194.0	1807.6	1050.3	577.4	369.2	283.6	245.9	224.5	211.6	203.0	203.0
57.5°	2316.5	1900.2	1079.4	578.3	369.2	285.3	245.9	225.3	210.7	200.5	200.5
60°	2425.3	1979.8	1100.0	579.1	368.4	287.0	247.6	224.5	209.9	197.9	197.9
62.5°	2502.4	2040.7	1110.3	576.6	368.4	287.0	248.4	224.5	209.0	197.0	196.2
65°	2546.1	2062.1	1104.3	568.8	366.7	287.0	247.6	223.6	207.3	195.3	194.5
67.5°	2531.5	2038.9	1078.6	556.9	362.4	286.1	247.6	221.9	207.3	194.5	192.8
70°	2452.7	1969.6	1029.8	538.9	356.4	282.7	244.2	219.3	205.6	193.6	191.9
72.5°	2298.5	1829.9	958.6	510.6	346.1	277.6	239.9	215.0	202.2	191.0	188.5
75°	2084.4	1663.7	872.1	481.5	333.3	270.7	234.7	210.7	197.9	187.6	185.0
77.5°	1809.4	1441.8	776.2	443.8	317.0	261.3	227.9	203.9	191.9	182.5	179.1
80°	1524.1	1214.8	672.5	404.4	299.8	249.3	217.6	195.3	184.2	175.6	171.3
82.5°	1233.6	998.1	575.7	366.7	280.1	235.6	207.3	185.9	175.6	166.2	161.9
85°	973.2	789.0	482.3	327.3	259.6	221.9	195.3	174.8	165.3	155.1	150.8
87.5°	757.3	626.2	403.5	291.3	237.3	206.5	182.5	163.6	152.5	143.1	139.6
90°	590.3	493.5	337.5	257.0	217.6	191.0	168.8	151.6	140.5	131.1	126.8
92.5°	449.8	390.7	282.7	227.0	197.9	175.6	155.9	139.6	128.5	118.2	113.9
95°	352.1	310.1	239.0	199.6	178.2	159.3	143.1	127.6	115.7	104.5	101.9
97.5°	273.3	248.4	201.3	174.8	161.1	143.9	129.4	115.7	103.7	92.5	90.0
100°	215.9	197.9	170.5	155.1	143.1	129.4	116.5	104.5	91.7	79.7	78.8
102.5°	170.5	162.8	144.8	136.2	126.8	116.5	105.4	92.5	79.7	68.5	67.7
105°	139.6	132.8	124.2	119.1	113.1	103.7	93.4	82.2	69.4	59.1	59.1
107.5°	113.1	109.7	105.4	104.5	100.2	92.5	84.0	72.8	60.0	51.4	51.4
110°	92.5	91.7	91.7	91.7	89.1	83.1	74.5	63.4	50.5	44.5	44.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	78.0	78.0	78.8	80.5	78.8	72.8	65.1	54.8	43.7	38.6	38.6
115°	66.0	66.8	69.4	70.2	69.4	65.1	57.4	47.1	36.8	33.4	34.3
117.5°	57.4	57.4	60.8	62.5	61.7	57.4	49.7	40.3	31.7	30.0	30.0
120°	49.7	51.4	54.0	54.8	54.0	49.7	43.7	34.3	27.4	26.6	26.6
122.5°	43.7	44.5	47.1	48.8	47.1	43.7	36.8	29.1	23.1	23.1	24.0
125°	38.6	39.4	41.1	42.8	41.1	36.8	31.7	24.0	20.6	20.6	20.6
127.5°	34.3	35.1	36.8	36.8	35.1	31.7	26.6	20.6	17.1	18.0	18.0
130°	30.0	30.8	31.7	31.7	30.8	27.4	22.3	17.1	15.4	16.3	16.3
132.5°	26.6	27.4	27.4	27.4	25.7	23.1	18.8	14.6	13.7	14.6	14.6
135°	23.1	23.1	24.0	23.1	21.4	18.8	14.6	12.0	12.0	12.9	12.9
137.5°	19.7	20.6	20.6	18.8	17.1	14.6	12.0	10.3	10.3	11.1	11.1
140°	16.3	17.1	16.3	15.4	13.7	12.0	9.4	7.7	8.6	9.4	9.4
142.5°	13.7	13.7	13.7	12.0	10.3	8.6	6.9	6.9	7.7	7.7	8.6
145°	10.3	10.3	10.3	9.4	7.7	6.0	5.1	5.1	6.0	6.9	6.9
147.5°	7.7	7.7	7.7	6.9	5.1	4.3	3.4	4.3	5.1	6.0	5.1
150°	5.1	5.1	5.1	4.3	3.4	2.6	2.6	3.4	4.3	4.3	4.3
152.5°	3.4	3.4	3.4	3.4	2.6	0.9	1.7	2.6	3.4	3.4	3.4
155°	2.6	2.6	2.6	2.6	1.7	0.0	0.9	1.7	2.6	2.6	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.9	1.7	1.7	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)