

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: P413998

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413998  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-827-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6615 lumens  
Efficiency: N/A  
Efficacy: 68.9 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

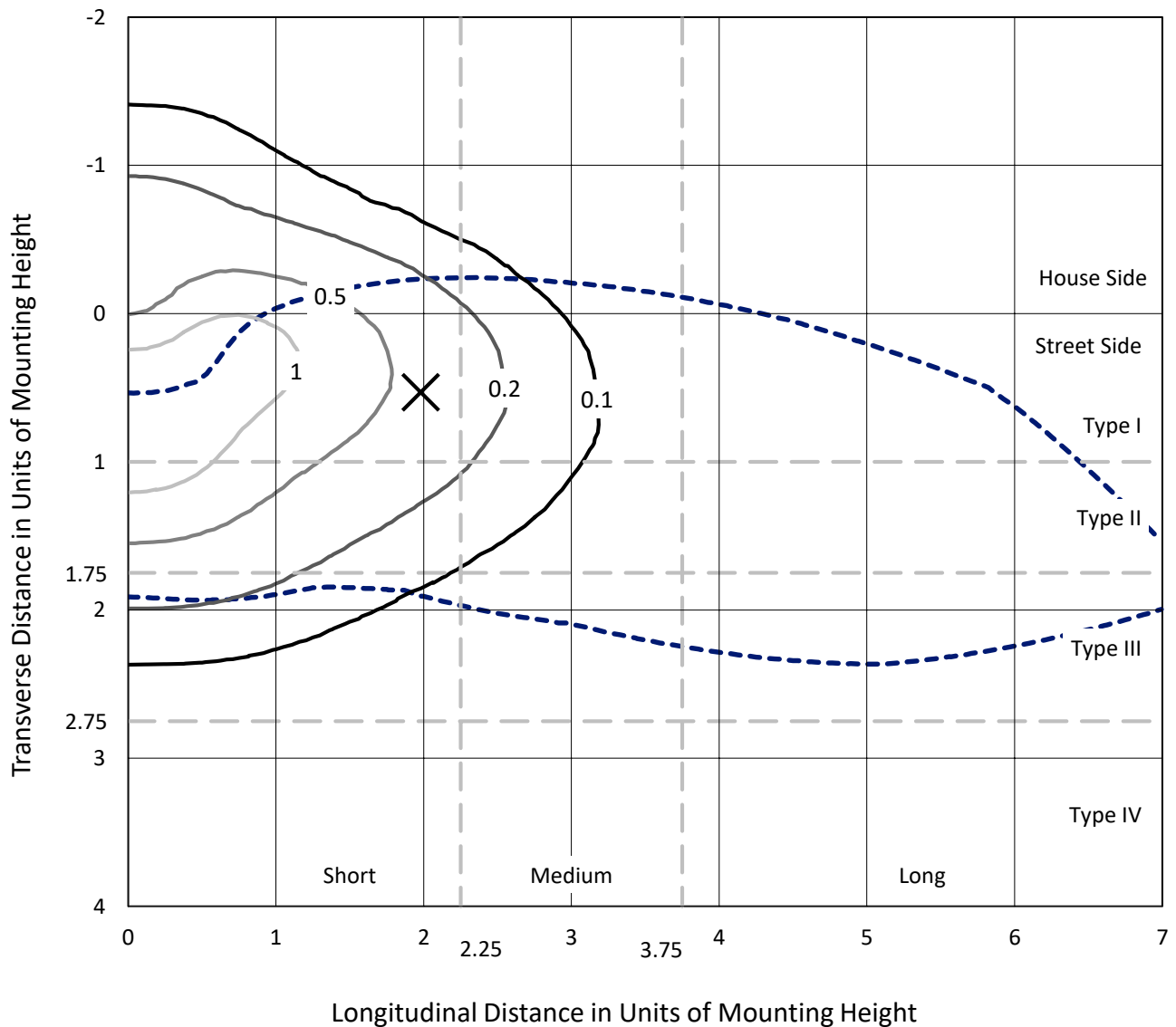
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

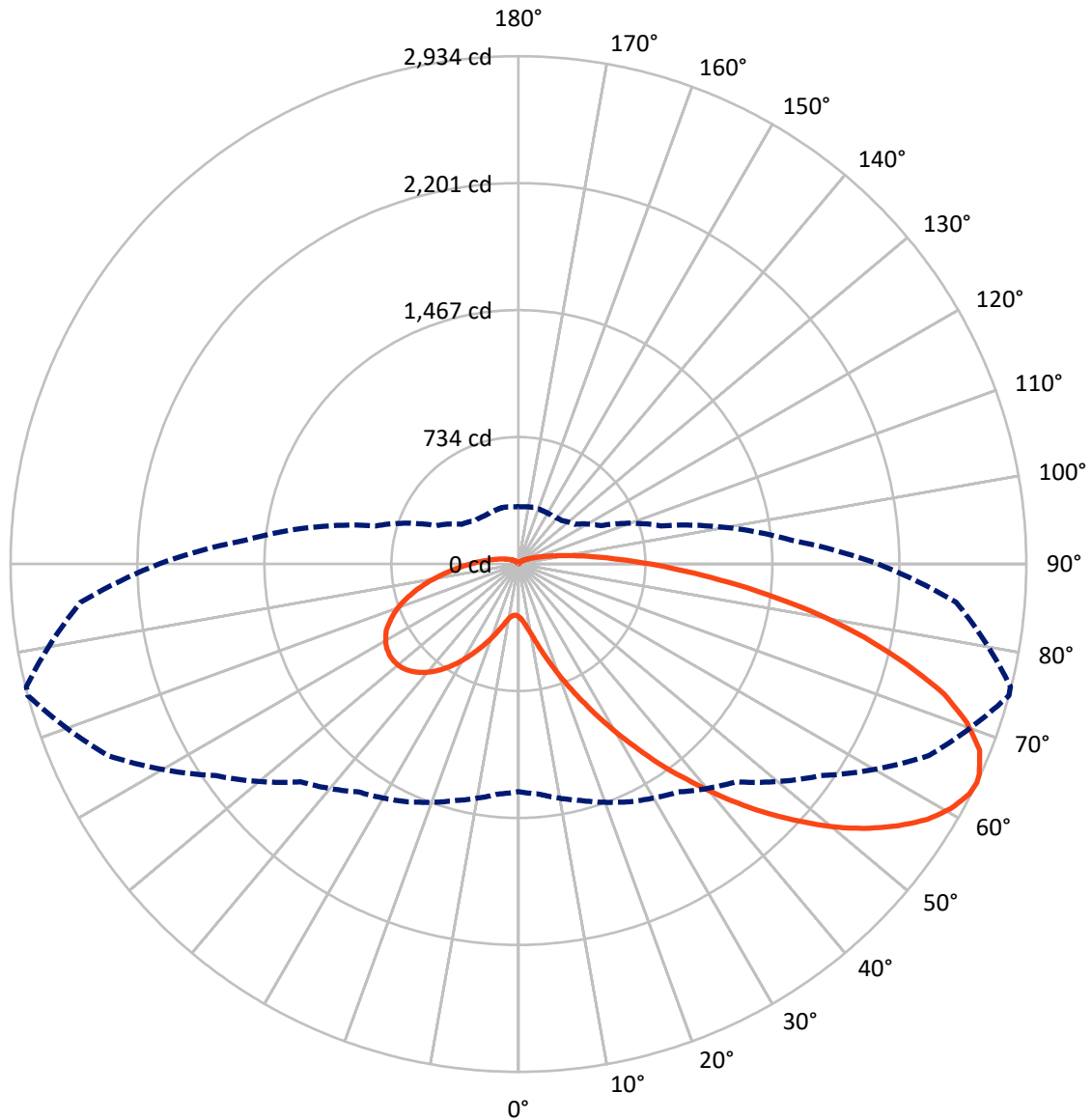
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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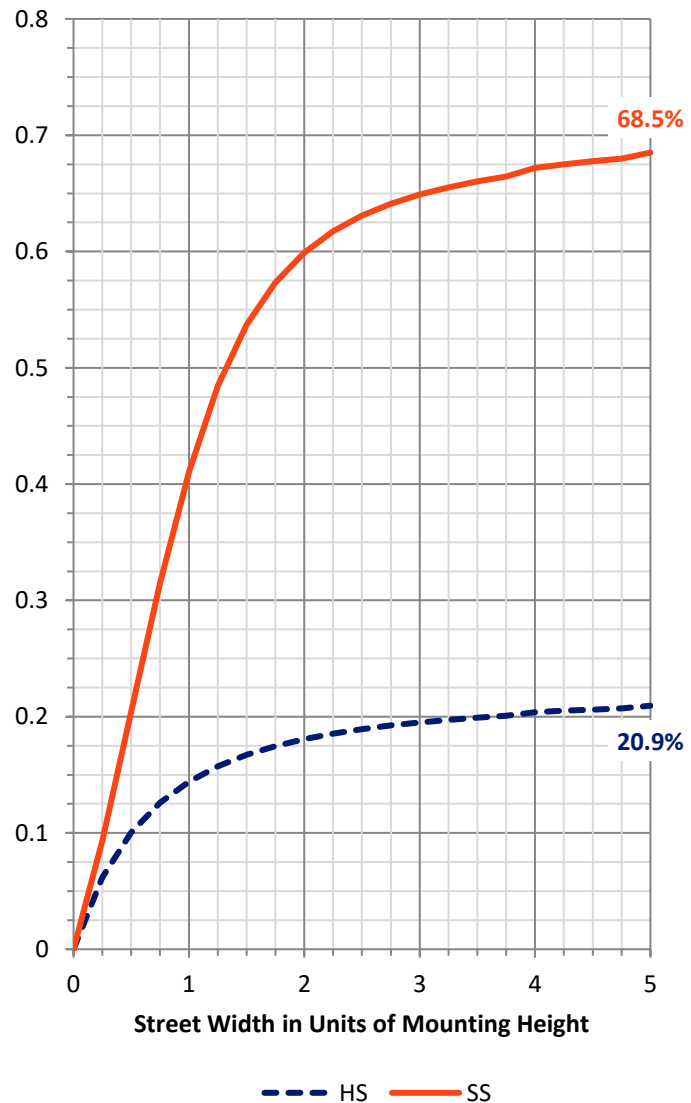
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1459.0	192.1	1651.1
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	4671.5	292.3	4963.8
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	6130.5	484.5	6615.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	0.5
10°-20°	133.5	2.0
20°-30°	337.8	5.1
30°-40°	661.5	10.0
40°-50°	1029.1	15.6
50°-60°	1262.0	19.1
60°-70°	1226.9	18.5
70°-80°	925.2	14.0
80°-90°	522.4	7.9
90°-100°	246.4	3.7
100°-110°	119.0	1.8
110°-120°	62.5	0.9
120°-130°	33.6	0.5
130°-140°	16.4	0.2
140°-150°	5.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6130.5	92.7
0°-180°	6615.0	100.0



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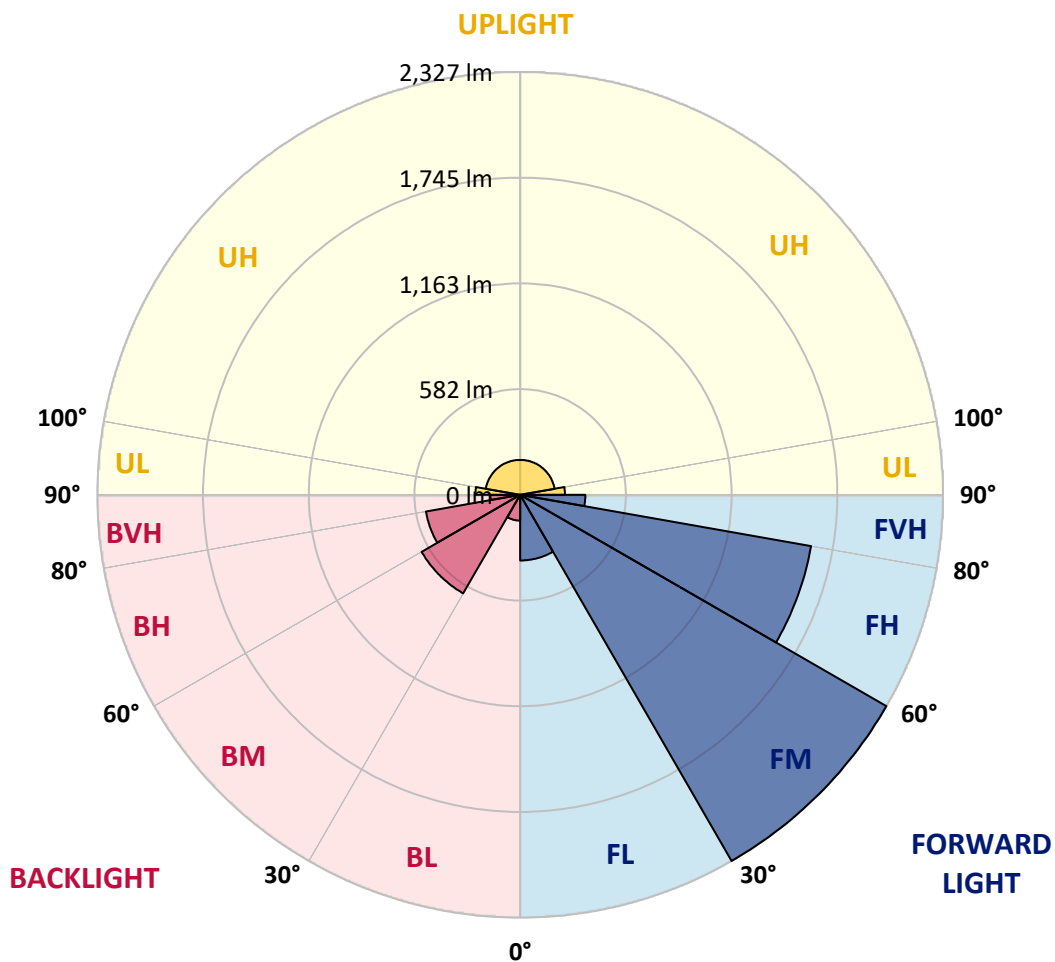
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.4	5.5			
FM	(30°-60°)	2326.5	35.2			
FH	(60°-80°)	1625.3	24.6			G1/1800
FVH	(80°-90°)	358.3	5.4			G3/500
BL	(0°-30°)	141.9	2.1	B1/500		
BM	(30°-60°)	626.2	9.5	B1/1000		
BH	(60°-80°)	526.8	8.0	B2/1000		G2/1000
BVH	(80°-90°)	164.1	2.5			G2/225
UL	(90°-100°)	246.4	3.7		U3/500	
UH	(100°-180°)	192.1	2.9		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°	76°	85°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	355.6	352.3	350.7	349.9	344.3	338.7	332.3	325.9	318.6	317.0	310.6
5°	410.9	406.9	405.3	400.5	392.5	382.8	369.2	356.4	340.3	341.1	326.7
7.5°	474.3	471.1	466.3	459.1	447.1	434.2	414.1	394.9	373.2	370.8	349.9
10°	546.6	544.2	539.4	528.1	512.9	491.2	471.1	442.2	411.7	410.1	379.6
12.5°	633.3	630.1	616.4	605.2	585.1	565.0	534.5	500.0	467.1	463.1	425.4
15°	731.2	726.4	716.7	699.1	677.4	644.5	612.4	577.9	534.5	527.3	483.2
17.5°	831.5	831.5	819.5	798.6	768.9	740.0	704.7	661.4	606.8	606.0	547.4
20°	957.5	955.9	937.5	907.0	877.3	846.8	804.2	755.3	694.3	688.6	617.2
22.5°	1094.0	1092.4	1069.9	1037.0	998.4	955.1	907.8	856.4	789.8	782.5	699.1
25°	1241.6	1240.8	1217.6	1167.0	1118.0	1077.1	1028.1	971.2	894.1	892.5	792.2
27.5°	1421.4	1412.6	1376.5	1314.7	1252.9	1199.9	1142.9	1091.6	1014.5	1002.5	890.9
30°	1594.8	1590.0	1541.0	1474.4	1389.3	1319.5	1261.7	1222.4	1142.9	1131.7	1006.5
32.5°	1773.8	1770.6	1711.2	1634.1	1529.0	1442.3	1397.3	1354.8	1278.6	1273.7	1120.4
35°	1972.0	1959.2	1891.0	1785.0	1663.0	1565.9	1525.8	1506.5	1431.1	1413.4	1245.7
37.5°	2134.1	2124.5	2062.7	1933.5	1789.8	1685.5	1655.0	1642.1	1577.1	1569.9	1381.3
40°	2290.7	2283.4	2208.0	2068.3	1904.6	1800.3	1769.8	1791.4	1739.3	1728.0	1517.7
42.5°	2403.8	2394.2	2324.4	2175.9	2004.1	1894.2	1893.4	1943.1	1905.4	1893.4	1659.0
45°	2471.2	2461.6	2403.8	2261.0	2082.0	1976.0	1994.5	2082.0	2070.7	2056.3	1788.2
47.5°	2477.7	2472.0	2430.3	2297.9	2129.3	2040.2	2093.2	2218.4	2230.5	2216.8	1926.3
50°	2419.1	2424.7	2398.2	2293.1	2146.2	2082.0	2173.5	2347.6	2391.8	2375.7	2063.5
52.5°	2308.3	2301.9	2313.1	2238.5	2128.5	2096.4	2228.1	2456.0	2537.1	2521.0	2190.3
55°	2123.7	2128.5	2167.9	2139.8	2073.1	2079.6	2261.0	2541.9	2668.7	2655.8	2305.1
57.5°	1929.5	1918.2	1988.9	1993.7	1975.2	2034.6	2265.0	2606.9	2785.1	2771.4	2403.8
60°	1675.1	1702.3	1765.7	1820.3	1852.4	1960.0	2238.5	2640.6	2870.1	2866.1	2483.3
62.5°	1455.1	1460.8	1546.6	1629.3	1706.4	1854.8	2179.9	2639.8	2925.5	2920.7	2530.6
64°	1315.5	1333.9	1415.0	1515.3	1607.6	1779.4	2131.7	2617.3	2934.3	2930.3	2538.7
65°	1239.2	1236.8	1333.9	1435.1	1534.6	1722.4	2082.8	2593.2	2926.3	2926.3	2535.5
67.5°	1029.8	1037.8	1122.9	1239.2	1362.0	1571.5	1957.6	2507.4	2873.4	2879.0	2488.9
70°	849.2	861.2	954.3	1057.8	1193.5	1419.8	1802.7	2352.5	2748.9	2757.0	2388.6
72.5°	700.7	714.3	782.5	886.9	1037.0	1260.1	1627.7	2158.2	2573.2	2576.4	2220.8
75°	569.9	585.1	654.1	744.8	874.8	1088.3	1436.7	1947.1	2317.1	2333.2	2004.1
77.5°	463.9	480.0	543.4	625.2	748.8	931.0	1247.3	1703.1	2045.1	2054.7	1756.1
80°	374.8	391.7	447.9	524.9	632.5	793.0	1069.9	1453.5	1751.3	1751.3	1500.9
82.5°	304.2	318.6	369.2	435.8	533.7	669.4	898.9	1207.9	1447.9	1448.7	1240.0
85°	245.6	254.4	304.2	362.8	443.8	561.0	743.2	983.2	1167.8	1150.9	999.3
87.5°	197.4	205.5	247.2	304.2	368.4	467.9	610.0	800.2	918.2	923.8	797.8
90°	158.9	163.7	202.3	250.4	309.8	386.9	496.0	636.5	722.4	715.1	625.2
92.5°	129.2	134.8	167.7	211.1	260.8	325.1	408.5	504.0	559.4	561.0	488.8
95°	105.9	109.2	139.7	178.2	223.1	272.1	333.1	401.3	439.0	434.2	380.4
97.5°	88.3	89.9	118.0	152.5	189.4	229.5	277.7	319.4	340.3	337.1	297.8
100°	74.6	76.2	100.3	132.4	163.7	195.8	229.5	257.6	264.9	260.8	234.4
102.5°	65.0	65.8	85.9	114.8	141.3	167.7	191.0	208.7	207.9	207.9	185.4
105°	57.0	57.8	74.6	100.3	124.4	145.3	161.3	170.2	166.9	165.3	148.5
107.5°	51.4	52.2	65.8	88.3	110.0	126.0	138.0	140.5	134.0	132.4	120.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	46.6	46.6	57.8	77.9	97.1	110.0	118.0	118.0	108.4	107.6	99.5
112.5°	42.5	43.3	52.2	69.0	85.9	97.1	101.9	97.9	89.1	88.3	84.3
115°	39.3	40.1	46.6	61.8	76.2	85.9	88.3	82.7	73.8	73.0	69.8
117.5°	36.9	37.7	42.5	54.6	68.2	75.4	76.2	70.6	61.8	61.0	60.2
120°	35.3	35.3	39.3	49.0	60.2	66.6	65.8	60.2	53.0	52.2	52.2
122.5°	33.7	33.7	36.1	43.3	53.0	58.6	57.8	51.4	44.9	44.9	44.9
125°	32.1	32.1	33.7	39.3	47.4	51.4	49.8	44.1	38.5	38.5	40.1
127.5°	30.5	30.5	31.3	34.5	41.7	44.1	42.5	36.9	33.7	33.7	34.5
130°	28.9	28.9	28.9	31.3	36.1	37.7	36.1	31.3	28.9	28.9	30.5
132.5°	27.3	27.3	27.3	27.3	30.5	32.1	29.7	25.7	24.9	25.7	26.5
135°	25.7	25.7	24.9	24.1	25.7	26.5	24.1	21.7	21.7	21.7	23.3
137.5°	24.1	23.3	22.5	21.7	20.9	20.9	19.3	16.9	18.5	18.5	20.1
140°	21.7	20.9	20.1	18.5	16.9	16.1	14.4	13.6	15.2	15.2	16.1
142.5°	19.3	18.5	17.7	15.2	12.8	11.2	9.6	10.4	12.0	12.0	12.8
145°	16.1	16.1	14.4	12.0	9.6	8.0	6.4	7.2	8.8	8.8	9.6
147.5°	13.6	12.8	12.0	9.6	6.4	4.8	3.2	4.8	6.4	6.4	7.2
150°	10.4	9.6	8.8	6.4	4.0	1.6	1.6	3.2	4.0	4.0	4.8
152.5°	7.2	7.2	6.4	4.0	1.6	0.0	0.8	1.6	2.4	2.4	3.2
155°	4.8	4.0	3.2	2.4	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	2.4	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	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°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	306.6	303.4	296.2	289.7	283.3	277.7	274.5	270.5	269.7	268.9	268.9
5°	317.8	310.6	296.2	282.5	269.7	259.2	251.2	243.2	239.2	237.6	236.8
7.5°	337.1	325.9	302.6	281.7	262.5	246.4	233.6	223.9	218.3	215.1	214.3
10°	363.6	347.5	315.4	286.5	260.8	240.0	223.9	212.7	205.5	202.3	201.5
12.5°	405.3	379.6	339.5	298.6	264.9	239.2	220.7	208.7	205.5	202.3	202.3
15°	452.7	427.0	371.6	321.0	277.7	244.0	227.9	219.9	215.1	212.7	211.9
17.5°	513.7	474.3	407.7	345.1	293.8	261.7	240.8	232.0	227.1	224.7	223.9
20°	576.3	529.7	447.9	371.6	315.4	282.5	257.6	244.0	239.2	236.8	236.0
22.5°	650.9	594.7	489.6	399.7	340.3	301.8	273.7	257.6	252.0	249.6	250.4
25°	727.2	667.0	534.5	429.4	363.6	317.8	288.9	270.5	266.5	263.3	263.3
27.5°	820.3	740.0	580.3	463.1	383.6	332.3	302.6	284.1	276.9	276.9	276.1
30°	918.2	817.9	630.1	492.0	401.3	345.1	313.0	296.2	288.9	288.1	288.1
32.5°	1013.7	901.3	679.0	520.9	415.0	354.0	322.7	306.6	297.8	297.0	297.8
35°	1125.3	986.4	724.8	544.2	427.0	361.2	329.9	315.4	305.8	305.0	305.0
37.5°	1231.2	1073.9	768.9	562.6	435.0	366.0	335.5	322.7	312.2	311.4	310.6
40°	1342.0	1156.6	809.0	577.9	439.0	369.2	338.7	327.5	317.8	314.6	314.6
42.5°	1454.3	1240.0	842.7	586.7	441.4	370.0	341.1	330.7	321.8	316.2	316.2
45°	1559.5	1311.5	870.8	591.5	441.4	370.8	342.7	333.1	325.1	317.8	317.0
47.5°	1675.1	1383.7	892.5	592.3	439.0	369.2	343.5	335.5	326.7	318.6	317.8
50°	1776.2	1451.9	906.1	589.9	435.8	368.4	344.3	336.3	329.1	319.4	319.4
52.5°	1865.3	1506.5	912.6	583.5	431.8	366.8	344.3	337.9	331.5	321.0	320.2
55°	1943.9	1549.0	911.8	573.9	425.4	364.4	343.5	337.9	333.1	321.8	321.8
57.5°	2011.3	1578.7	904.5	562.6	419.0	362.8	343.5	338.7	334.7	324.3	324.3
60°	2057.1	1595.6	890.1	549.0	412.5	359.6	342.7	339.5	337.1	326.7	327.5
62.5°	2078.8	1593.2	867.6	534.5	405.3	356.4	341.1	338.7	337.9	329.9	329.9
64°	2077.2	1581.9	852.4	524.1	400.5	354.8	340.3	337.9	338.7	331.5	331.5
65°	2066.7	1565.9	836.3	516.1	396.5	353.1	338.7	337.1	338.7	331.5	331.5
67.5°	2016.2	1516.1	795.4	496.0	386.1	345.9	333.9	333.1	335.5	330.7	329.9
70°	1915.8	1437.5	751.2	470.3	373.2	337.9	326.7	325.9	329.1	325.1	323.5
72.5°	1779.4	1328.3	697.5	443.8	358.0	326.7	317.0	316.2	317.8	315.4	313.0
75°	1607.6	1199.9	637.3	414.1	341.1	312.2	303.4	301.8	304.2	301.0	299.4
77.5°	1416.6	1057.8	573.9	382.8	319.4	296.2	287.3	284.9	284.9	280.9	276.9
80°	1206.3	912.6	510.5	350.7	297.0	276.1	268.9	265.7	263.3	256.8	252.8
82.5°	1007.3	776.1	445.4	317.8	272.9	254.4	247.2	243.2	237.6	229.5	223.9
85°	819.5	646.1	386.1	282.5	248.8	231.2	225.5	218.3	211.1	202.3	195.0
87.5°	658.1	528.9	333.1	251.2	221.5	207.9	201.5	191.8	184.6	175.0	168.5
90°	522.5	433.4	284.9	220.7	197.4	185.4	179.8	170.2	159.7	149.3	143.7
92.5°	421.4	353.1	245.6	195.0	176.6	166.1	158.9	149.3	137.2	126.8	122.8
95°	334.7	285.7	209.5	172.6	156.5	146.9	139.7	130.8	118.0	105.9	102.7
97.5°	264.9	235.2	179.0	151.7	138.9	130.8	122.8	114.8	101.9	89.9	88.3
100°	212.7	191.0	153.3	134.0	122.8	115.6	109.2	100.3	88.3	75.4	75.4
102.5°	171.8	158.1	131.6	118.0	109.2	102.7	96.3	88.3	76.2	65.0	64.2
105°	140.5	130.8	113.2	104.3	97.1	92.3	85.9	77.1	65.8	55.4	54.6
107.5°	117.2	108.4	97.9	92.3	86.7	81.9	77.1	68.2	57.0	48.2	48.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	96.3	93.1	85.1	81.1	77.9	73.0	68.2	59.4	49.0	42.5	42.5
112.5°	81.9	78.7	74.6	72.2	69.0	65.8	60.2	52.2	42.5	37.7	37.7
115°	69.0	67.4	65.0	63.4	61.8	58.6	53.0	44.9	36.1	32.9	33.7
117.5°	60.2	59.4	57.8	57.0	55.4	51.4	46.6	39.3	31.3	29.7	29.7
120°	52.2	52.2	50.6	50.6	49.0	45.7	40.1	33.7	27.3	26.5	26.5
122.5°	45.7	45.7	44.9	44.9	43.3	40.1	35.3	28.9	23.3	23.3	24.1
125°	40.1	40.1	39.3	39.3	38.5	35.3	30.5	24.9	20.9	20.9	20.9
127.5°	35.3	35.3	35.3	34.5	32.9	30.5	25.7	20.9	18.5	18.5	18.5
130°	31.3	31.3	30.5	30.5	28.9	25.7	21.7	17.7	15.2	16.9	16.9
132.5°	27.3	27.3	27.3	25.7	24.1	21.7	17.7	14.4	13.6	14.4	14.4
135°	23.3	24.1	23.3	22.5	20.9	17.7	14.4	12.0	12.0	12.8	12.8
137.5°	20.1	20.1	20.1	18.5	16.9	14.4	11.2	9.6	10.4	11.2	11.2
140°	16.9	16.9	16.1	15.2	13.6	11.2	8.8	7.2	8.8	9.6	9.6
142.5°	13.6	13.6	12.8	12.0	9.6	8.0	5.6	5.6	7.2	8.0	8.0
145°	10.4	10.4	9.6	8.8	7.2	4.8	4.0	4.8	6.4	6.4	6.4
147.5°	7.2	7.2	7.2	5.6	4.0	2.4	1.6	3.2	4.8	4.8	5.6
150°	4.8	4.8	4.8	4.0	2.4	0.8	0.8	2.4	3.2	4.0	4.0
152.5°	3.2	3.2	3.2	2.4	1.6	0.0	0.0	1.6	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	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)