

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: P413738

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413738  
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-PA1-100-727-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 7525 lumens  
Efficiency: N/A  
Efficacy: 78.4 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

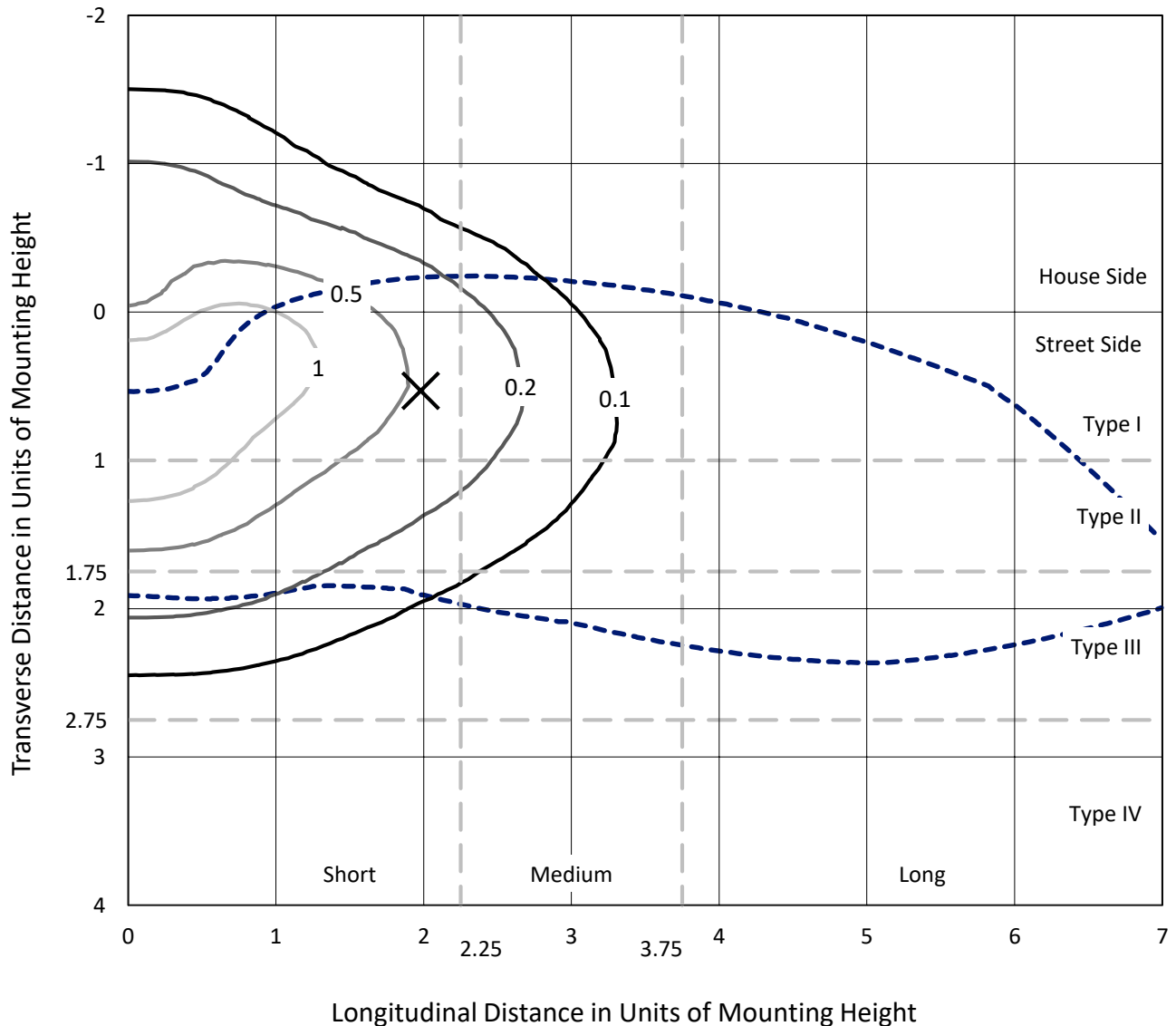
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

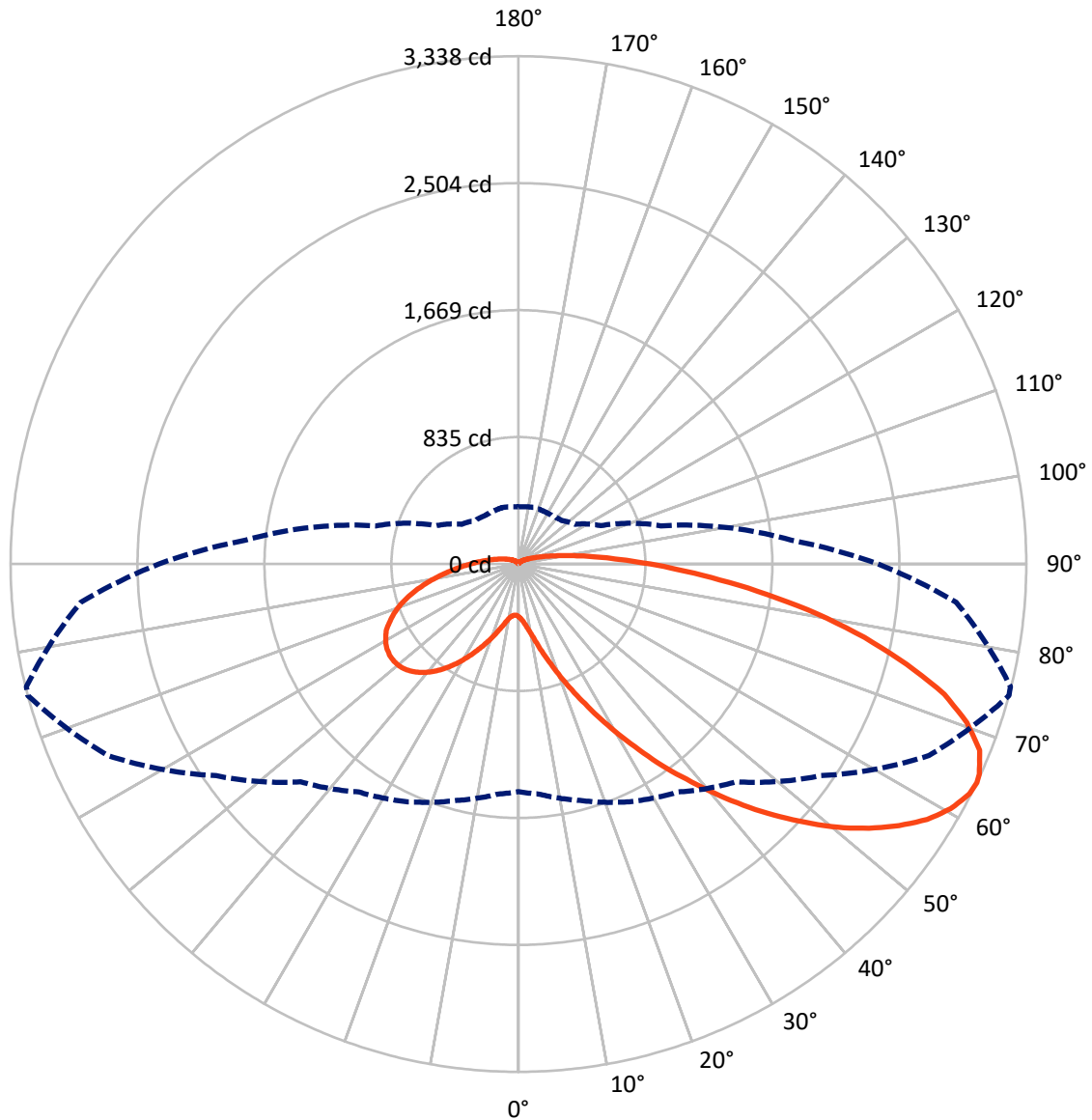
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	1659.7	218.6	1878.3
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	5314.2	332.5	5646.7
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	6973.9	551.1	7525.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.5	0.5
10°-20°	151.8	2.0
20°-30°	384.2	5.1
30°-40°	752.5	10.0
40°-50°	1170.7	15.6
50°-60°	1435.6	19.1
60°-70°	1395.6	18.5
70°-80°	1052.5	14.0
80°-90°	594.3	7.9
90°-100°	280.3	3.7
100°-110°	135.4	1.8
110°-120°	71.1	0.9
120°-130°	38.2	0.5
130°-140°	18.7	0.2
140°-150°	6.4	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6973.9	92.7
0°-180°	7525.0	100.0



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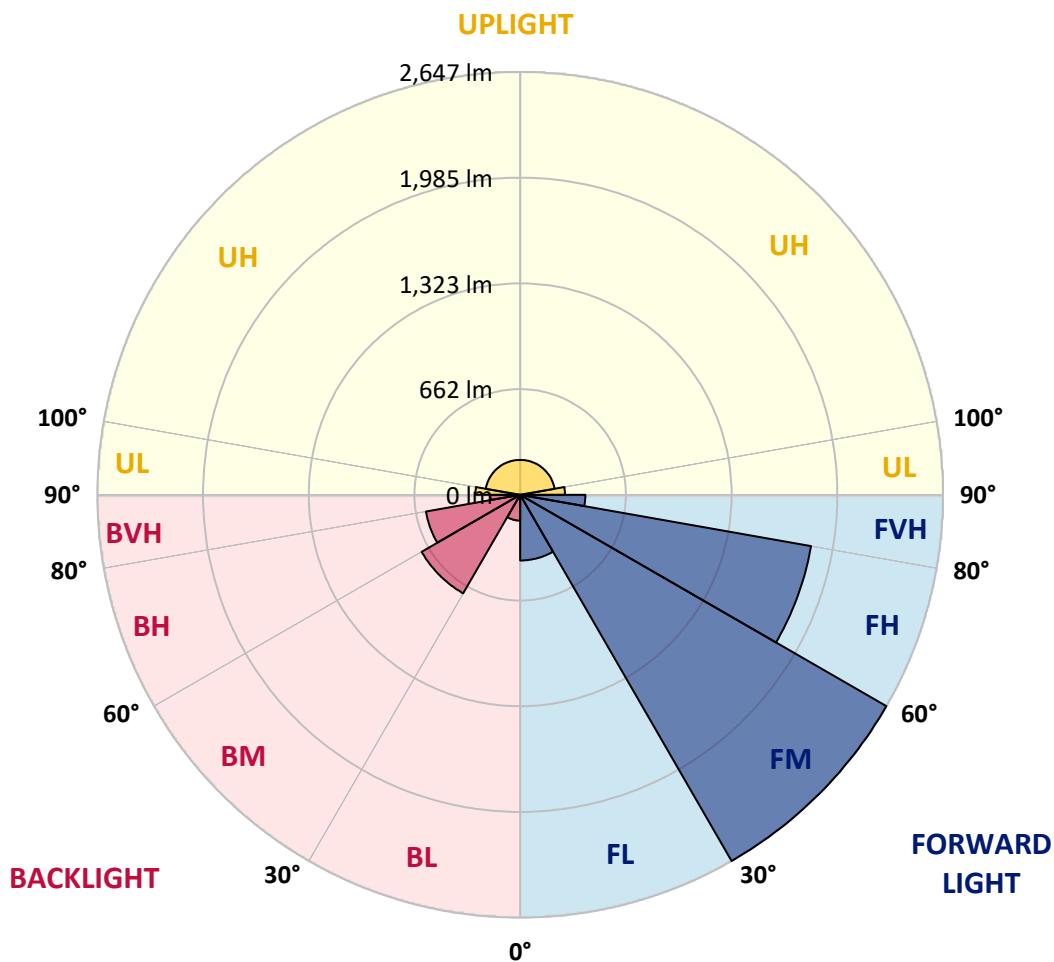
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.1	5.5			
FM	(30°-60°)	2646.6	35.2			
FH	(60°-80°)	1848.9	24.6			G2/5000
FVH	(80°-90°)	407.6	5.4			G3/500
BL	(0°-30°)	161.5	2.1	B1/500		
BM	(30°-60°)	712.3	9.5	B1/1000		
BH	(60°-80°)	599.3	8.0	B2/1000		G2/1000
BVH	(80°-90°)	186.7	2.5			G2/225
UL	(90°-100°)	280.3	3.7		U3/500	
UH	(100°-180°)	218.6	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°	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9
2.5°	404.5	400.8	399.0	398.1	391.7	385.3	378.0	370.7	362.5	360.6	353.3
5°	467.5	462.9	461.1	455.6	446.5	435.5	420.0	405.4	387.1	388.0	371.6
7.5°	539.6	535.9	530.5	522.2	508.6	493.9	471.1	449.2	424.6	421.8	398.1
10°	621.8	619.0	613.6	600.8	583.4	558.8	535.9	503.1	468.4	466.6	431.9
12.5°	720.4	716.7	701.2	688.4	665.6	642.8	608.1	568.8	531.4	526.8	483.9
15°	831.8	826.3	815.3	795.2	770.6	733.2	696.6	657.4	608.1	599.9	549.6
17.5°	945.9	945.9	932.2	908.5	874.7	841.8	801.6	752.3	690.2	689.3	622.7
20°	1089.2	1087.4	1066.4	1031.7	997.9	963.2	914.9	859.2	789.8	783.4	702.1
22.5°	1244.5	1242.6	1217.1	1179.6	1135.8	1086.5	1032.6	974.2	898.4	890.2	795.2
25°	1412.4	1411.5	1385.1	1327.5	1271.8	1225.3	1169.6	1104.8	1017.1	1015.3	901.2
27.5°	1617.0	1606.9	1565.8	1495.5	1425.2	1365.0	1300.1	1241.7	1154.1	1140.4	1013.5
30°	1814.2	1808.7	1753.0	1677.2	1580.4	1501.0	1435.3	1390.5	1300.1	1287.4	1144.9
32.5°	2017.8	2014.1	1946.6	1858.9	1739.3	1640.7	1589.6	1541.2	1454.4	1449.0	1274.6
35°	2243.3	2228.7	2151.1	2030.6	1891.8	1781.3	1735.7	1713.7	1627.9	1607.8	1417.0
37.5°	2427.7	2416.8	2346.5	2199.5	2036.0	1917.4	1882.7	1868.0	1794.1	1785.9	1571.3
40°	2605.8	2597.6	2511.7	2352.9	2166.6	2047.9	2013.2	2037.9	1978.5	1965.7	1726.5
42.5°	2734.5	2723.6	2644.1	2475.2	2279.8	2154.7	2153.8	2210.4	2167.5	2153.8	1887.2
45°	2811.2	2800.2	2734.5	2572.0	2368.4	2247.9	2268.9	2368.4	2355.6	2339.2	2034.2
47.5°	2818.5	2812.1	2764.6	2614.0	2422.3	2320.9	2381.2	2523.6	2537.3	2521.8	2191.3
50°	2751.9	2758.2	2728.1	2608.5	2441.4	2368.4	2472.5	2670.6	2720.8	2702.6	2347.4
52.5°	2625.9	2618.6	2631.3	2546.4	2421.3	2384.8	2534.6	2793.9	2886.1	2867.8	2491.6
55°	2415.9	2421.3	2466.1	2434.1	2358.3	2365.6	2572.0	2891.5	3035.8	3021.2	2622.2
57.5°	2194.9	2182.1	2262.5	2268.0	2247.0	2314.5	2576.6	2965.5	3168.2	3152.7	2734.5
60°	1905.5	1936.5	2008.7	2070.7	2107.3	2229.6	2546.4	3003.8	3265.0	3260.4	2824.9
62.5°	1655.3	1661.7	1759.4	1853.4	1941.1	2110.0	2479.8	3002.9	3328.0	3322.5	2878.8
64°	1496.4	1517.4	1609.7	1723.8	1828.8	2024.2	2425.0	2977.4	3338.0	3333.5	2887.9
65°	1409.7	1407.0	1517.4	1632.5	1745.7	1959.4	2369.3	2950.0	3328.9	3328.9	2884.2
67.5°	1171.4	1180.5	1277.3	1409.7	1549.4	1787.7	2226.9	2852.3	3268.6	3275.0	2831.3
70°	966.0	979.7	1085.6	1203.4	1357.7	1615.1	2050.7	2676.1	3127.1	3136.2	2717.2
72.5°	797.1	812.6	890.2	1008.9	1179.6	1433.4	1851.6	2455.1	2927.2	2930.8	2526.3
75°	648.2	665.6	744.1	847.3	995.2	1238.1	1634.3	2215.0	2635.9	2654.2	2279.8
77.5°	527.7	546.0	618.1	711.2	851.9	1059.1	1418.8	1937.4	2326.4	2337.3	1997.7
80°	426.4	445.6	509.5	597.1	719.5	902.1	1217.1	1653.5	1992.2	1992.2	1707.4
82.5°	346.0	362.5	420.0	495.8	607.2	761.5	1022.6	1374.1	1647.1	1648.0	1410.6
85°	279.4	289.4	346.0	412.7	504.9	638.2	845.5	1118.5	1328.5	1309.3	1136.7
87.5°	224.6	233.7	281.2	346.0	419.1	532.3	693.9	910.3	1044.5	1050.9	907.5
90°	180.8	186.3	230.1	284.9	352.4	440.1	564.2	724.0	821.7	813.5	711.2
92.5°	147.0	153.4	190.8	240.1	296.7	369.8	464.7	573.4	636.4	638.2	556.0
95°	120.5	124.2	158.9	202.7	253.8	309.5	378.9	456.5	499.4	493.9	432.8
97.5°	100.4	102.3	134.2	173.5	215.5	261.1	315.9	363.4	387.1	383.5	338.7
100°	84.9	86.7	114.1	150.6	186.3	222.8	261.1	293.1	301.3	296.7	266.6
102.5°	74.0	74.9	97.7	130.6	160.7	190.8	217.3	237.4	236.5	236.5	210.9
105°	64.8	65.7	84.9	114.1	141.5	165.3	183.5	193.6	189.9	188.1	168.9
107.5°	58.4	59.3	74.9	100.4	125.1	143.3	157.0	159.8	152.5	150.6	137.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	53.0	53.0	65.7	88.6	110.5	125.1	134.2	134.2	123.3	122.3	113.2
112.5°	48.4	49.3	59.3	78.5	97.7	110.5	116.0	111.4	101.3	100.4	95.9
115°	44.7	45.7	53.0	70.3	86.7	97.7	100.4	94.0	84.0	83.1	79.4
117.5°	42.0	42.9	48.4	62.1	77.6	85.8	86.7	80.3	70.3	69.4	68.5
120°	40.2	40.2	44.7	55.7	68.5	75.8	74.9	68.5	60.3	59.3	59.3
122.5°	38.3	38.3	41.1	49.3	60.3	66.7	65.7	58.4	51.1	51.1	51.1
125°	36.5	36.5	38.3	44.7	53.9	58.4	56.6	50.2	43.8	43.8	45.7
127.5°	34.7	34.7	35.6	39.3	47.5	50.2	48.4	42.0	38.3	38.3	39.3
130°	32.9	32.9	32.9	35.6	41.1	42.9	41.1	35.6	32.9	32.9	34.7
132.5°	31.0	31.0	31.0	31.0	34.7	36.5	33.8	29.2	28.3	29.2	30.1
135°	29.2	29.2	28.3	27.4	29.2	30.1	27.4	24.7	24.7	24.7	26.5
137.5°	27.4	26.5	25.6	24.7	23.7	23.7	21.9	19.2	21.0	21.0	22.8
140°	24.7	23.7	22.8	21.0	19.2	18.3	16.4	15.5	17.3	17.3	18.3
142.5°	21.9	21.0	20.1	17.3	14.6	12.8	11.0	11.9	13.7	13.7	14.6
145°	18.3	18.3	16.4	13.7	11.0	9.1	7.3	8.2	10.0	10.0	11.0
147.5°	15.5	14.6	13.7	11.0	7.3	5.5	3.7	5.5	7.3	7.3	8.2
150°	11.9	11.0	10.0	7.3	4.6	1.8	1.8	3.7	4.6	4.6	5.5
152.5°	8.2	8.2	7.3	4.6	1.8	0.0	0.9	1.8	2.7	2.7	3.7
155°	5.5	4.6	3.7	2.7	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	2.7	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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°	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9	346.9
2.5°	348.8	345.1	336.9	329.6	322.3	315.9	312.3	307.7	306.8	305.9	305.9
5°	361.6	353.3	336.9	321.4	306.8	294.9	285.8	276.6	272.1	270.3	269.3
7.5°	383.5	370.7	344.2	320.5	298.6	280.3	265.7	254.7	248.3	244.7	243.8
10°	413.6	395.3	358.8	325.9	296.7	273.0	254.7	242.0	233.7	230.1	229.2
12.5°	461.1	431.9	386.2	339.6	301.3	272.1	251.1	237.4	233.7	230.1	230.1
15°	514.9	485.7	422.7	365.2	315.9	277.6	259.3	250.2	244.7	242.0	241.0
17.5°	584.3	539.6	463.8	392.6	334.2	297.6	273.9	263.9	258.4	255.6	254.7
20°	655.6	602.6	509.5	422.7	358.8	321.4	293.1	277.6	272.1	269.3	268.4
22.5°	740.5	676.6	556.9	454.7	387.1	343.3	311.3	293.1	286.7	284.0	284.9
25°	827.2	758.7	608.1	488.5	413.6	361.6	328.7	307.7	303.1	299.5	299.5
27.5°	933.1	841.8	660.1	526.8	436.4	378.0	344.2	323.2	315.0	315.0	314.1
30°	1044.5	930.4	716.7	559.7	456.5	392.6	356.1	336.9	328.7	327.8	327.8
32.5°	1153.1	1025.3	772.4	592.6	472.0	402.6	367.0	348.8	338.7	337.8	338.7
35°	1280.1	1122.1	824.5	619.0	485.7	410.9	375.3	358.8	347.9	346.9	346.9
37.5°	1400.6	1221.6	874.7	640.0	494.9	416.3	381.6	367.0	355.2	354.3	353.3
40°	1526.6	1315.7	920.3	657.4	499.4	420.0	385.3	372.5	361.6	357.9	357.9
42.5°	1654.4	1410.6	958.7	667.4	502.2	420.9	388.0	376.2	366.1	359.7	359.7
45°	1774.0	1491.9	990.6	672.9	502.2	421.8	389.9	378.9	369.8	361.6	360.6
47.5°	1905.5	1574.1	1015.3	673.8	499.4	420.0	390.8	381.6	371.6	362.5	361.6
50°	2020.5	1651.7	1030.8	671.1	495.8	419.1	391.7	382.6	374.3	363.4	363.4
52.5°	2121.9	1713.7	1038.1	663.8	491.2	417.3	391.7	384.4	377.1	365.2	364.3
55°	2211.3	1762.1	1037.2	652.8	483.9	414.5	390.8	384.4	378.9	366.1	366.1
57.5°	2288.0	1795.9	1029.0	640.0	476.6	412.7	390.8	385.3	380.7	368.9	368.9
60°	2340.1	1815.1	1012.5	624.5	469.3	409.0	389.9	386.2	383.5	371.6	372.5
62.5°	2364.7	1812.4	987.0	608.1	461.1	405.4	388.0	385.3	384.4	375.3	375.3
64°	2362.9	1799.6	969.6	596.2	455.6	403.6	387.1	384.4	385.3	377.1	377.1
65°	2351.0	1781.3	951.4	587.1	451.0	401.7	385.3	383.5	385.3	377.1	377.1
67.5°	2293.5	1724.7	904.8	564.2	439.2	393.5	379.8	378.9	381.6	376.2	375.3
70°	2179.4	1635.2	854.6	535.0	424.6	384.4	371.6	370.7	374.3	369.8	367.9
72.5°	2024.2	1511.1	793.4	504.9	407.2	371.6	360.6	359.7	361.6	358.8	356.1
75°	1828.8	1365.0	724.9	471.1	388.0	355.2	345.1	343.3	346.0	342.4	340.6
77.5°	1611.5	1203.4	652.8	435.5	363.4	336.9	326.9	324.1	324.1	319.6	315.0
80°	1372.3	1038.1	580.7	399.0	337.8	314.1	305.9	302.2	299.5	292.2	287.6
82.5°	1145.8	882.9	506.7	361.6	310.4	289.4	281.2	276.6	270.3	261.1	254.7
85°	932.2	735.0	439.2	321.4	283.0	263.0	256.6	248.3	240.1	230.1	221.9
87.5°	748.7	601.7	378.9	285.8	252.0	236.5	229.2	218.2	210.0	199.0	191.7
90°	594.4	493.0	324.1	251.1	224.6	210.9	204.5	193.6	181.7	169.8	163.4
92.5°	479.3	401.7	279.4	221.9	200.9	189.0	180.8	169.8	156.1	144.3	139.7
95°	380.7	325.0	238.3	196.3	178.0	167.1	158.9	148.8	134.2	120.5	116.9
97.5°	301.3	267.5	203.6	172.6	158.0	148.8	139.7	130.6	116.0	102.3	100.4
100°	242.0	217.3	174.4	152.5	139.7	131.5	124.2	114.1	100.4	85.8	85.8
102.5°	195.4	179.9	149.7	134.2	124.2	116.9	109.6	100.4	86.7	74.0	73.0
105°	159.8	148.8	128.7	118.7	110.5	105.0	97.7	87.7	74.9	63.0	62.1
107.5°	133.3	123.3	111.4	105.0	98.6	93.1	87.7	77.6	64.8	54.8	54.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	109.6	105.9	96.8	92.2	88.6	83.1	77.6	67.6	55.7	48.4	48.4
112.5°	93.1	89.5	84.9	82.2	78.5	74.9	68.5	59.3	48.4	42.9	42.9
115°	78.5	76.7	74.0	72.1	70.3	66.7	60.3	51.1	41.1	37.4	38.3
117.5°	68.5	67.6	65.7	64.8	63.0	58.4	53.0	44.7	35.6	33.8	33.8
120°	59.3	59.3	57.5	57.5	55.7	52.0	45.7	38.3	31.0	30.1	30.1
122.5°	52.0	52.0	51.1	51.1	49.3	45.7	40.2	32.9	26.5	26.5	27.4
125°	45.7	45.7	44.7	44.7	43.8	40.2	34.7	28.3	23.7	23.7	23.7
127.5°	40.2	40.2	40.2	39.3	37.4	34.7	29.2	23.7	21.0	21.0	21.0
130°	35.6	35.6	34.7	34.7	32.9	29.2	24.7	20.1	17.3	19.2	19.2
132.5°	31.0	31.0	31.0	29.2	27.4	24.7	20.1	16.4	15.5	16.4	16.4
135°	26.5	27.4	26.5	25.6	23.7	20.1	16.4	13.7	13.7	14.6	14.6
137.5°	22.8	22.8	22.8	21.0	19.2	16.4	12.8	11.0	11.9	12.8	12.8
140°	19.2	19.2	18.3	17.3	15.5	12.8	10.0	8.2	10.0	11.0	11.0
142.5°	15.5	15.5	14.6	13.7	11.0	9.1	6.4	6.4	8.2	9.1	9.1
145°	11.9	11.9	11.0	10.0	8.2	5.5	4.6	5.5	7.3	7.3	7.3
147.5°	8.2	8.2	8.2	6.4	4.6	2.7	1.8	3.7	5.5	5.5	6.4
150°	5.5	5.5	5.5	4.6	2.7	0.9	0.9	2.7	3.7	4.6	4.6
152.5°	3.7	3.7	3.7	2.7	1.8	0.0	0.0	1.8	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	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)