

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: P417197

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-740-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9086 lumens  
Efficiency: N/A  
Efficacy: 96.7 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 - G5

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

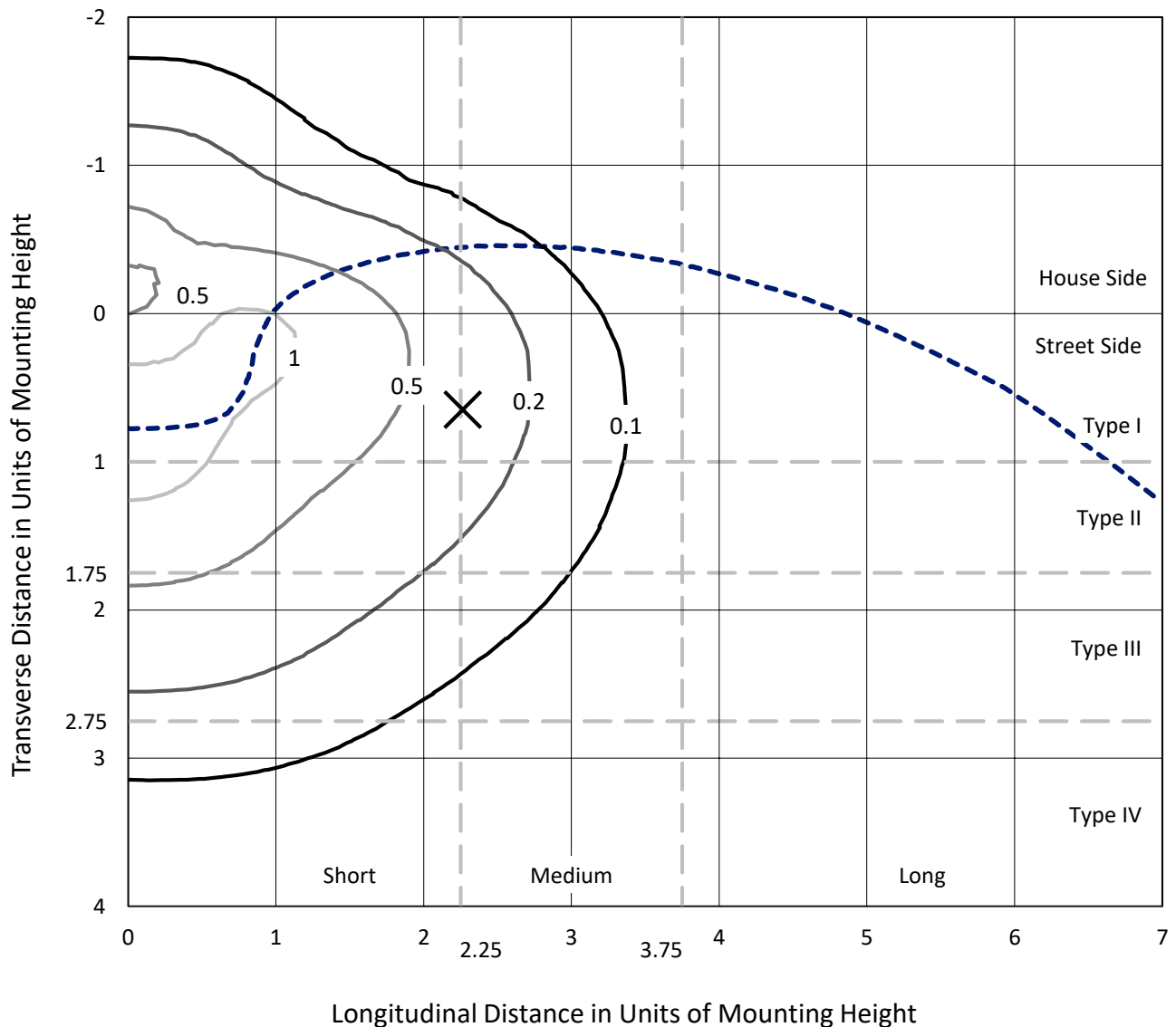


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

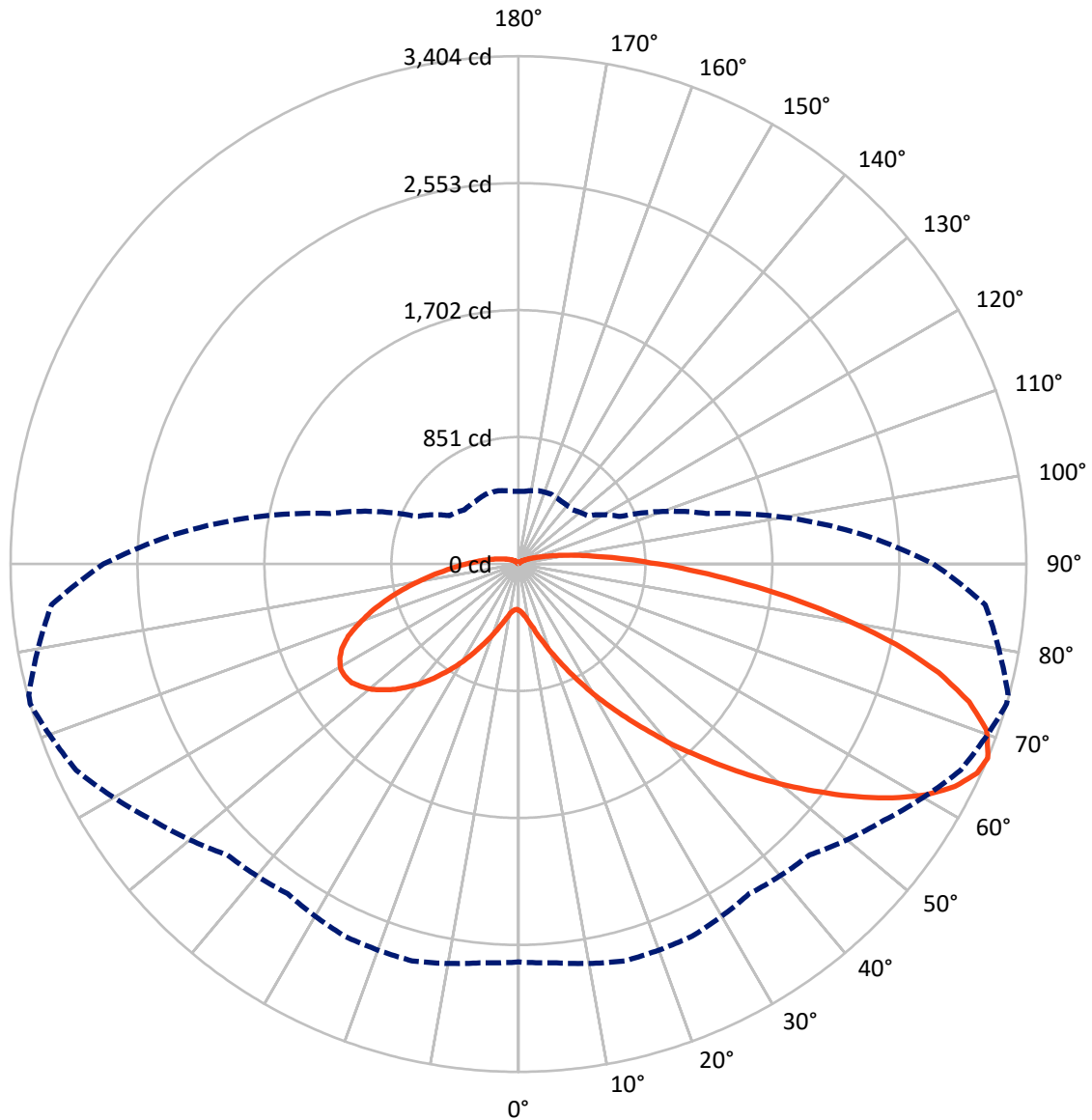


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2118.7	254.7	2373.4
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	6131.6	581.0	6712.6
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	8250.4	835.6	9086.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.4	0.4
10°-20°	132.4	1.5
20°-30°	328.8	3.6
30°-40°	642.1	7.1
40°-50°	1061.9	11.7
50°-60°	1539.1	16.9
60°-70°	1862.9	20.5
70°-80°	1656.0	18.2
80°-90°	994.8	10.9
90°-100°	456.7	5.0
100°-110°	203.3	2.2
110°-120°	97.1	1.1
120°-130°	48.1	0.5
130°-140°	22.0	0.2
140°-150°	7.2	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8250.4	90.8
0°-180°	9086.0	100.0



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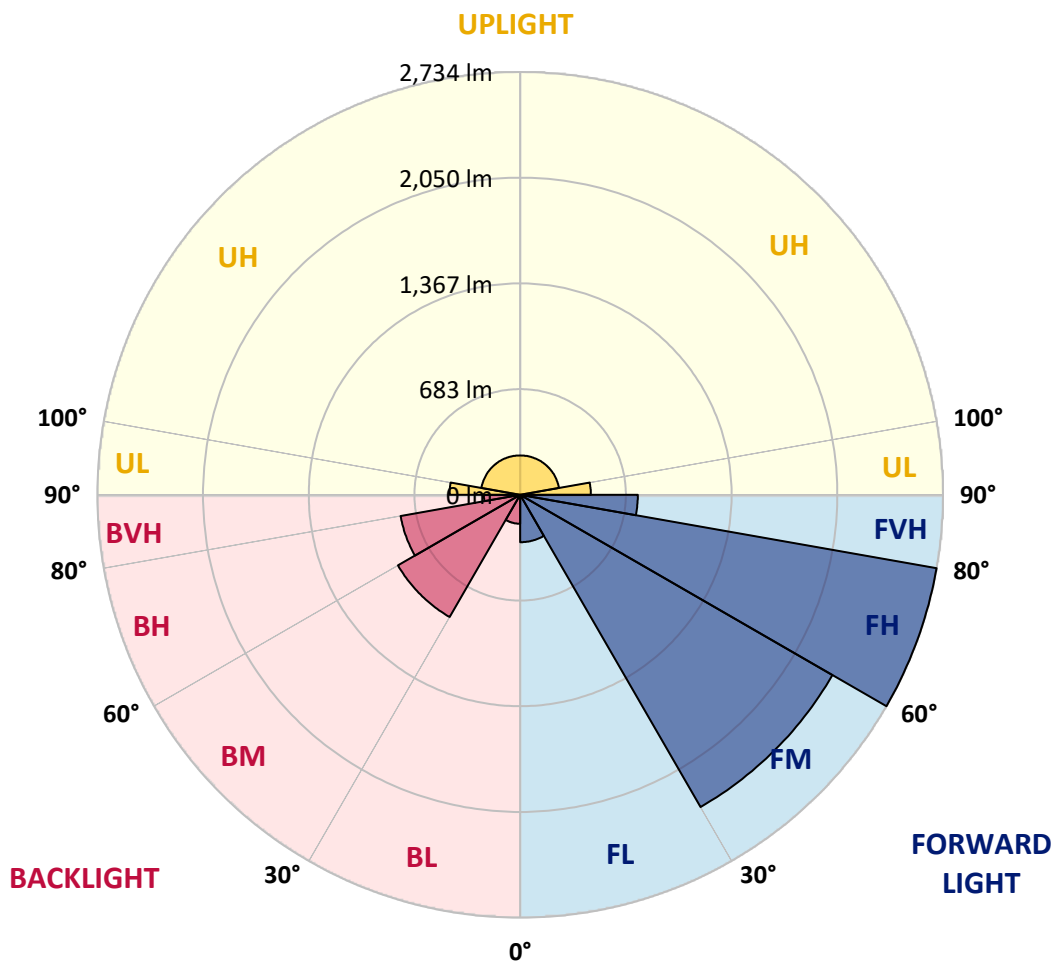
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.4	3.4			
FM	(30°-60°)	2331.1	25.7			
FH	(60°-80°)	2733.8	30.1			G2/5000
FVH	(80°-90°)	760.4	8.4			G5
BL	(0°-30°)	187.2	2.1	B1/500		
BM	(30°-60°)	912.0	10.0	B1/1000		
BH	(60°-80°)	785.1	8.6	B2/1000		G2/1000
BVH	(80°-90°)	234.4	2.6			G3/500
UL	(90°-100°)	456.7	5.0		U3/500	
UH	(100°-180°)	254.7	2.8		U3/500	

**BUG Rating: B2-U3-G5**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5
2.5°	341.8	338.6	338.6	336.4	335.3	332.1	329.9	322.4	319.2	319.2	313.8
5°	378.5	376.3	372.0	372.0	367.7	363.4	354.7	345.0	337.5	336.4	326.7
7.5°	423.8	418.4	418.4	413.0	406.5	399.0	387.1	374.2	362.3	361.2	346.1
10°	475.5	473.4	471.2	463.6	455.0	439.9	429.1	410.8	396.8	395.7	375.2
12.5°	539.1	535.9	529.4	521.9	506.8	496.0	476.6	456.1	437.8	438.8	415.1
15°	608.1	606.0	601.7	589.8	572.6	557.5	538.0	516.5	498.2	490.6	465.8
17.5°	686.8	682.5	677.1	664.2	644.8	629.7	603.8	583.3	559.6	560.7	525.1
20°	779.6	775.3	767.7	747.2	730.0	709.5	682.5	659.9	632.9	630.8	595.2
22.5°	871.2	873.4	855.1	833.5	817.3	793.6	767.7	738.6	714.9	712.7	671.8
25°	984.4	976.9	958.6	933.8	909.0	879.9	857.2	831.3	808.7	806.5	758.0
27.5°	1103.1	1096.6	1071.8	1040.5	1007.1	974.7	955.3	928.4	911.1	907.9	858.3
30°	1232.4	1221.7	1199.0	1157.0	1110.6	1073.9	1054.5	1044.8	1028.7	1024.3	973.7
32.5°	1378.0	1364.0	1330.6	1279.9	1213.0	1172.1	1163.4	1154.8	1148.3	1141.9	1094.4
35°	1522.5	1518.2	1468.6	1406.0	1340.3	1286.4	1271.3	1285.3	1281.0	1276.7	1226.0
37.5°	1674.5	1682.1	1628.2	1546.2	1455.6	1398.5	1387.7	1413.6	1425.5	1425.5	1365.1
40°	1853.5	1847.0	1793.1	1692.9	1587.2	1520.3	1523.6	1562.4	1591.5	1585.0	1525.7
42.5°	2031.4	2017.4	1946.2	1848.1	1714.4	1647.6	1647.6	1706.9	1751.1	1752.2	1689.6
45°	2206.1	2191.0	2124.2	1995.8	1850.3	1778.0	1793.1	1865.4	1937.6	1927.9	1866.5
47.5°	2365.7	2359.2	2290.2	2153.3	1989.4	1913.9	1944.1	2051.9	2130.6	2130.6	2062.7
50°	2522.0	2513.4	2448.7	2294.5	2129.6	2055.2	2100.4	2232.0	2332.3	2337.7	2258.9
52.5°	2656.8	2651.4	2591.0	2437.9	2267.6	2192.1	2260.0	2425.0	2540.4	2552.2	2469.2
55°	2753.9	2757.1	2710.7	2565.2	2392.6	2330.1	2422.8	2616.9	2753.9	2756.0	2666.5
57.5°	2825.0	2829.3	2798.1	2671.9	2502.6	2455.2	2580.3	2802.4	2957.7	2967.4	2849.8
60°	2855.2	2862.8	2853.1	2747.4	2600.7	2570.6	2721.5	2968.4	3141.0	3144.2	3002.9
62.5°	2839.0	2846.6	2866.0	2790.5	2671.9	2670.8	2858.5	3112.9	3284.4	3288.7	3119.4
65°	2765.7	2777.6	2826.1	2790.5	2697.8	2733.4	2949.0	3224.0	3378.2	3383.6	3164.7
67°	2667.6	2682.7	2753.9	2752.8	2697.8	2758.2	2993.2	3270.3	3404.0	3397.6	3141.0
67.5°	2645.0	2660.1	2731.2	2742.0	2690.2	2761.4	2998.6	3275.7	3394.3	3393.3	3125.9
70°	2453.0	2480.0	2583.5	2635.3	2634.2	2735.5	2996.5	3246.6	3328.6	3317.8	2999.7
72.5°	2232.0	2265.4	2391.6	2490.8	2523.1	2654.7	2917.8	3131.2	3158.2	3145.3	2763.6
75°	2004.5	2022.8	2154.4	2295.6	2377.5	2517.7	2770.0	2947.9	2910.2	2878.9	2468.1
77.5°	1764.0	1771.6	1918.2	2076.7	2175.9	2337.7	2550.1	2679.5	2586.7	2560.9	2131.7
80°	1484.8	1516.0	1662.7	1827.6	1950.6	2097.2	2276.2	2353.8	2198.6	2174.8	1773.7
82.5°	1256.2	1275.6	1409.3	1571.0	1709.0	1847.0	1963.5	1984.0	1821.2	1803.9	1425.5
85°	1025.4	1042.7	1182.8	1332.7	1462.1	1577.5	1655.1	1624.9	1455.6	1437.3	1126.8
87.5°	848.6	861.5	958.6	1110.6	1224.9	1307.9	1348.9	1311.2	1149.4	1123.5	870.2
90°	672.8	692.2	779.6	907.9	1024.3	1078.3	1082.6	1020.0	887.4	868.0	666.4
92.5°	543.4	556.4	639.4	746.2	837.8	878.8	868.0	815.2	693.3	670.7	515.4
95°	439.9	450.7	519.7	613.5	687.9	725.7	695.5	625.4	529.4	520.8	397.9
97.5°	365.5	367.7	421.6	505.7	565.0	584.4	560.7	497.1	414.0	396.8	305.1
100°	298.7	300.8	346.1	409.7	463.6	476.6	452.9	391.4	321.3	310.5	239.4
102.5°	242.6	248.0	282.5	339.6	379.5	389.2	364.4	310.5	248.0	240.5	186.5
105°	205.9	207.0	237.2	280.3	315.9	323.5	298.7	252.3	195.2	190.9	148.8
107.5°	174.7	174.7	198.4	236.1	264.2	268.5	249.1	205.9	154.2	149.9	120.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	149.9	151.0	168.2	198.4	224.3	227.5	208.1	165.0	122.9	119.7	98.1
112.5°	130.5	132.6	144.5	168.2	190.9	194.1	174.7	134.8	100.3	96.0	81.9
115°	115.4	116.5	125.1	144.5	162.8	165.0	145.6	111.1	80.9	77.6	69.0
117.5°	102.4	103.5	110.0	126.2	140.2	141.3	121.8	91.7	67.9	64.7	60.4
120°	92.7	92.7	98.1	108.9	120.8	120.8	102.4	75.5	56.1	55.0	51.8
122.5°	84.1	84.1	87.3	94.9	103.5	101.4	85.2	62.5	47.4	46.4	45.3
125°	76.6	76.6	78.7	83.0	88.4	85.2	70.1	51.8	41.0	39.9	39.9
127.5°	69.0	69.0	70.1	73.3	74.4	71.2	58.2	43.1	35.6	34.5	35.6
130°	62.5	62.5	62.5	62.5	62.5	60.4	47.4	35.6	30.2	30.2	31.3
132.5°	56.1	56.1	55.0	53.9	52.8	48.5	38.8	29.1	27.0	27.0	28.0
135°	49.6	49.6	48.5	46.4	43.1	37.7	29.1	23.7	22.6	22.6	23.7
137.5°	43.1	43.1	42.1	38.8	34.5	29.1	22.6	19.4	19.4	19.4	20.5
140°	36.7	36.7	35.6	32.3	27.0	21.6	17.3	15.1	16.2	16.2	17.3
142.5°	31.3	30.2	29.1	25.9	20.5	15.1	11.9	11.9	12.9	12.9	14.0
145°	24.8	23.7	22.6	19.4	15.1	10.8	8.6	8.6	9.7	9.7	10.8
147.5°	19.4	18.3	17.3	14.0	10.8	7.5	5.4	6.5	7.5	7.5	7.5
150°	12.9	12.9	12.9	10.8	6.5	4.3	3.2	4.3	4.3	4.3	5.4
152.5°	8.6	8.6	8.6	6.5	4.3	2.2	2.2	2.2	3.2	3.2	3.2
155°	5.4	5.4	5.4	4.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	1.1	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	2.2	2.2	2.2	1.1	0.0	0.0	1.1	1.1	1.1
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°	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5	309.5
2.5°	311.6	309.5	305.1	301.9	298.7	295.4	292.2	290.1	286.8	286.8	286.8
5°	322.4	317.0	308.4	301.9	294.4	289.0	282.5	278.2	275.0	273.9	273.9
7.5°	340.7	333.2	320.2	307.3	296.5	287.9	280.3	275.0	270.6	269.6	269.6
10°	366.6	356.9	336.4	321.3	307.3	295.4	285.7	278.2	275.0	272.8	272.8
12.5°	404.3	391.4	367.7	341.8	323.5	308.4	296.5	293.3	293.3	294.4	293.3
15°	449.6	436.7	404.3	374.2	347.2	329.9	323.5	323.5	322.4	324.6	324.6
17.5°	506.8	488.4	449.6	409.7	378.5	362.3	355.8	353.7	355.8	359.1	356.9
20°	574.7	547.8	499.2	449.6	416.2	400.0	389.2	387.1	390.3	392.5	393.6
22.5°	645.9	616.8	555.3	491.7	457.2	435.6	423.8	420.5	425.9	431.3	432.4
25°	726.7	694.4	615.7	542.4	493.8	464.7	453.9	452.9	461.5	469.0	469.0
27.5°	824.9	781.7	681.5	597.4	534.8	496.0	484.1	485.2	497.1	503.5	505.7
30°	927.3	878.8	756.9	648.0	567.2	520.8	507.9	513.2	525.1	538.0	540.2
32.5°	1042.7	985.5	830.3	698.7	596.3	540.2	526.2	537.0	549.9	565.0	567.2
35°	1163.4	1086.9	905.7	745.1	620.0	555.3	539.1	552.1	568.2	582.3	586.6
37.5°	1300.4	1209.8	987.7	782.8	638.3	563.9	546.7	561.8	580.1	594.1	595.2
40°	1440.5	1336.0	1065.3	818.4	651.3	569.3	551.0	566.1	583.3	595.2	596.3
42.5°	1587.2	1464.3	1137.6	847.5	657.7	569.3	548.8	563.9	580.1	586.6	587.6
45°	1758.6	1600.1	1212.0	868.0	659.9	567.2	545.6	557.5	569.3	571.5	574.7
47.5°	1931.2	1734.9	1275.6	883.1	658.8	561.8	540.2	549.9	557.5	555.3	558.5
50°	2113.4	1881.6	1337.0	892.8	653.4	556.4	532.7	541.3	543.4	537.0	537.0
52.5°	2288.1	2008.8	1384.5	893.9	645.9	549.9	527.3	533.7	532.7	520.8	521.9
55°	2462.7	2144.6	1424.4	884.2	635.1	543.4	521.9	526.2	523.0	508.9	506.8
57.5°	2612.6	2254.6	1441.6	870.2	623.2	537.0	518.6	523.0	516.5	500.3	499.2
60°	2739.8	2339.8	1442.7	850.7	609.2	531.6	515.4	520.8	515.4	496.0	493.8
62.5°	2818.6	2378.6	1414.7	820.6	595.2	525.1	515.4	519.7	513.2	493.8	492.8
65°	2831.5	2359.2	1369.4	786.0	579.0	518.6	513.2	518.6	512.2	491.7	489.5
67°	2780.8	2303.2	1307.9	753.7	565.0	513.2	508.9	516.5	508.9	489.5	486.3
67.5°	2763.6	2277.3	1293.9	749.4	561.8	511.1	507.9	514.3	507.9	488.4	485.2
70°	2612.6	2136.0	1188.2	701.9	541.3	500.3	500.3	505.7	499.2	480.9	475.5
72.5°	2379.7	1937.6	1082.6	656.7	518.6	484.1	487.4	492.8	486.3	469.0	462.6
75°	2110.1	1714.4	965.0	603.8	492.8	468.0	470.1	475.5	469.0	450.7	445.3
77.5°	1810.4	1456.7	846.4	555.3	465.8	446.4	447.5	450.7	445.3	427.0	421.6
80°	1489.1	1201.2	725.7	500.3	434.5	419.4	420.5	420.5	413.0	397.9	393.6
82.5°	1200.1	975.8	618.9	451.8	400.0	389.2	389.2	388.2	378.5	365.5	359.1
85°	933.8	787.1	518.6	402.2	365.5	355.8	354.7	350.4	340.7	326.7	319.2
87.5°	732.1	623.2	436.7	354.7	331.0	324.6	318.1	308.4	300.8	289.0	282.5
90°	571.5	494.9	368.8	311.6	297.6	289.0	282.5	270.6	258.8	246.9	243.7
92.5°	447.5	391.4	307.3	271.7	263.1	256.6	248.0	235.1	224.3	210.3	211.3
95°	354.7	318.1	262.0	239.4	232.9	227.5	216.7	202.7	190.9	177.9	175.8
97.5°	278.2	253.4	220.0	208.1	205.9	199.5	188.7	174.7	161.7	147.7	147.7
100°	221.0	207.0	185.5	183.3	179.0	174.7	163.9	151.0	134.8	122.9	122.9
102.5°	177.9	166.1	158.5	158.5	157.4	153.1	142.3	129.4	113.2	101.4	101.4
105°	142.3	138.0	134.8	138.0	139.1	134.8	124.0	110.0	93.8	83.0	85.2
107.5°	118.6	115.4	115.4	119.7	121.8	117.5	107.8	92.7	77.6	70.1	70.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	98.1	97.0	99.2	104.6	105.7	102.4	92.7	78.7	64.7	58.2	59.3
112.5°	83.0	81.9	86.3	91.7	92.7	89.5	79.8	66.9	53.9	49.6	49.6
115°	70.1	71.2	74.4	78.7	80.9	77.6	69.0	57.1	44.2	42.1	42.1
117.5°	60.4	61.5	64.7	70.1	71.2	66.9	58.2	47.4	37.7	36.7	36.7
120°	52.8	53.9	57.1	60.4	61.5	57.1	49.6	39.9	32.3	31.3	31.3
122.5°	46.4	48.5	50.7	52.8	53.9	49.6	43.1	33.4	27.0	27.0	28.0
125°	41.0	42.1	44.2	46.4	46.4	42.1	35.6	28.0	23.7	23.7	23.7
127.5°	36.7	36.7	37.7	39.9	39.9	36.7	30.2	22.6	20.5	20.5	21.6
130°	32.3	33.4	33.4	33.4	33.4	30.2	24.8	19.4	17.3	18.3	18.3
132.5°	28.0	29.1	29.1	29.1	28.0	24.8	20.5	16.2	15.1	16.2	16.2
135°	24.8	24.8	24.8	24.8	22.6	20.5	16.2	12.9	12.9	14.0	14.0
137.5°	21.6	21.6	21.6	20.5	18.3	16.2	12.9	10.8	10.8	11.9	11.9
140°	17.3	18.3	17.3	16.2	14.0	11.9	9.7	8.6	9.7	9.7	9.7
142.5°	14.0	14.0	14.0	12.9	10.8	8.6	7.5	6.5	7.5	7.5	8.6
145°	10.8	10.8	10.8	9.7	7.5	5.4	5.4	5.4	6.5	6.5	6.5
147.5°	7.5	7.5	7.5	6.5	4.3	3.2	3.2	3.2	4.3	4.3	4.3
150°	5.4	5.4	5.4	4.3	2.2	1.1	1.1	2.2	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.2	1.1	0.0	1.1	2.2	2.2	1.1	1.1
155°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	1.1	1.1	0.0	0.0
157.5°	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	0.0	0.0	0.0
160°	1.1	1.1	1.1	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)