

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: P413869

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413869  
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-PA1-100-740-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA 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: 9200 lumens  
Efficiency: N/A  
Efficacy: 95.8 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 - G5

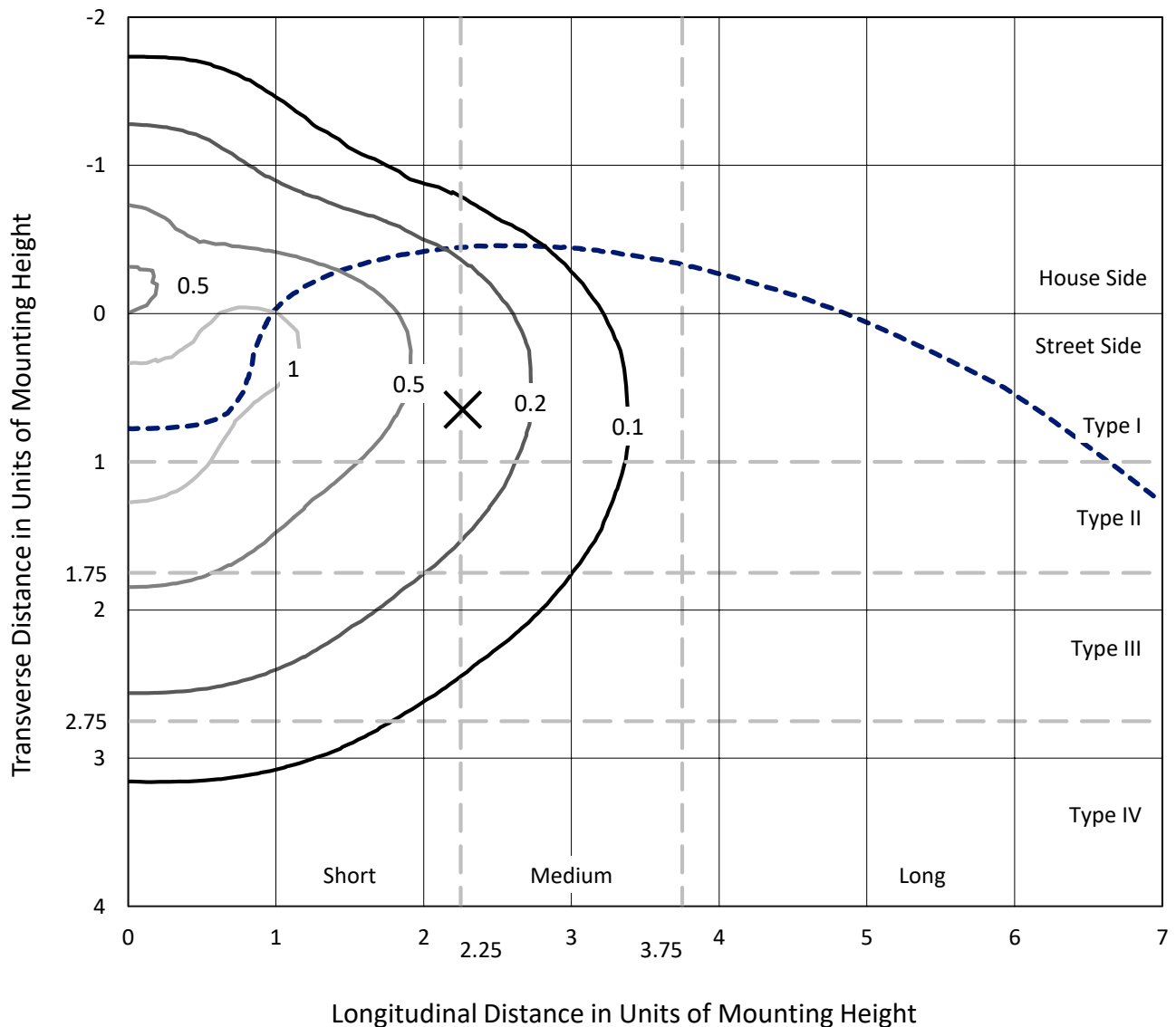
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

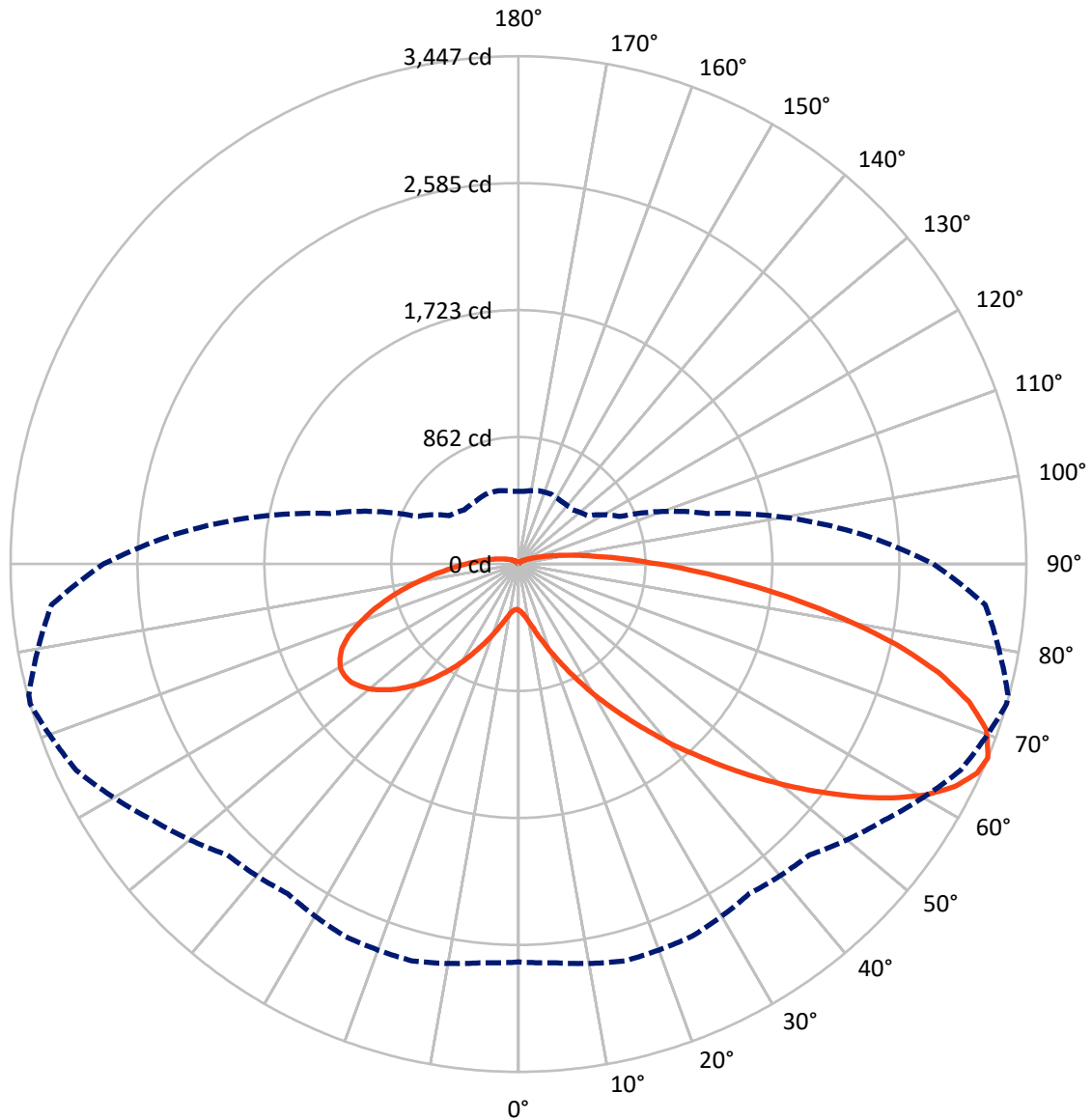
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	2145.3	257.9	2403.2
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	6208.6	588.2	6796.8
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	8353.9	846.1	9200.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	0.4
10°-20°	134.1	1.5
20°-30°	332.9	3.6
30°-40°	650.1	7.1
40°-50°	1075.2	11.7
50°-60°	1558.5	16.9
60°-70°	1886.2	20.5
70°-80°	1676.8	18.2
80°-90°	1007.3	10.9
90°-100°	462.5	5.0
100°-110°	205.9	2.2
110°-120°	98.3	1.1
120°-130°	48.7	0.5
130°-140°	22.3	0.2
140°-150°	7.3	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8353.9	90.8
0°-180°	9200.0	100.0



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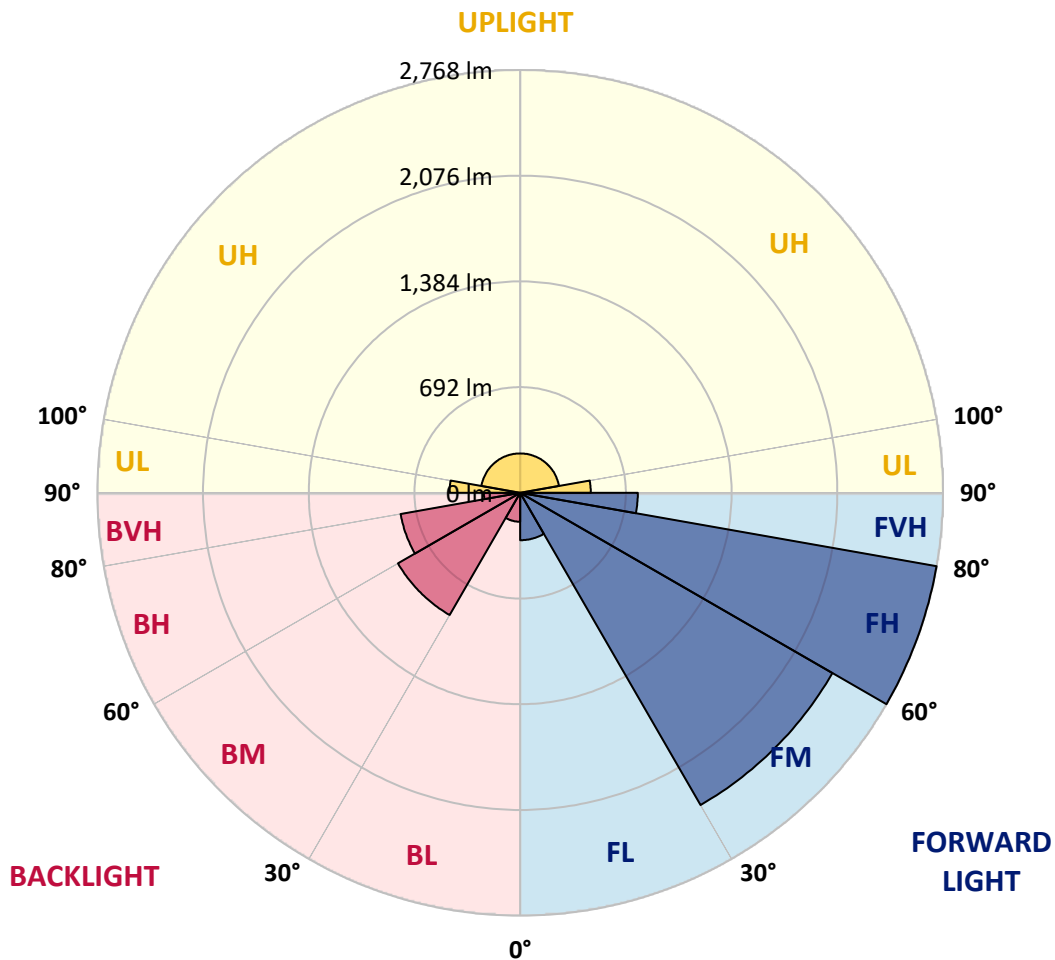
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.2	3.4			
FM (30°-60°)	2360.3	25.7			
FH (60°-80°)	2768.1	30.1			G2/5000
FVH (80°-90°)	769.9	8.4			G5
BL (0°-30°)	189.5	2.1	B1/500		
BM (30°-60°)	923.4	10.0	B1/1000		
BH (60°-80°)	795.0	8.6	B2/1000		G2/1000
BVH (80°-90°)	237.4	2.6			G3/500
UL (90°-100°)	462.5	5.0		U3/500	
UH (100°-180°)	257.9	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°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	346.1	342.8	342.8	340.6	339.5	336.3	334.1	326.4	323.2	323.2	317.7
5°	383.2	381.0	376.7	376.7	372.3	367.9	359.2	349.4	341.7	340.6	330.8
7.5°	429.1	423.6	423.6	418.2	411.6	404.0	391.9	378.8	366.8	365.7	350.5
10°	481.5	479.3	477.1	469.5	460.7	445.4	434.5	416.0	401.8	400.7	379.9
12.5°	545.9	542.6	536.1	528.4	513.1	502.2	482.6	461.8	443.3	444.4	420.3
15°	615.8	613.6	609.2	597.2	579.7	564.5	544.8	523.0	504.4	496.8	471.7
17.5°	695.5	691.1	685.6	672.5	652.9	637.6	611.4	590.7	566.6	567.7	531.7
20°	789.4	785.0	777.3	756.6	739.1	718.4	691.1	668.2	640.9	638.7	602.7
22.5°	882.2	884.3	865.8	843.9	827.6	803.6	777.3	747.9	723.9	721.7	680.2
25°	996.8	989.2	970.6	945.5	920.4	890.9	868.0	841.8	818.8	816.7	767.5
27.5°	1116.9	1110.3	1085.2	1053.6	1019.7	987.0	967.3	940.0	922.6	919.3	869.1
30°	1247.9	1237.0	1214.1	1171.5	1124.5	1087.4	1067.8	1057.9	1041.6	1037.2	985.9
32.5°	1395.3	1381.1	1347.3	1295.9	1228.3	1186.8	1178.0	1169.3	1162.7	1156.2	1108.2
35°	1541.6	1537.2	1487.0	1423.7	1357.1	1302.5	1287.2	1301.4	1297.0	1292.7	1241.4
37.5°	1695.5	1703.2	1648.6	1565.6	1473.9	1416.0	1405.1	1431.3	1443.3	1443.3	1382.2
40°	1876.8	1870.2	1815.6	1714.1	1607.1	1539.4	1542.7	1582.0	1611.5	1604.9	1544.9
42.5°	2056.9	2042.7	1970.7	1871.3	1735.9	1668.2	1668.2	1728.3	1773.1	1774.1	1710.8
45°	2233.8	2218.5	2150.8	2020.9	1873.5	1800.3	1815.6	1888.8	1961.9	1952.1	1889.9
47.5°	2395.4	2388.8	2318.9	2180.3	2014.3	1937.9	1968.5	2077.7	2157.4	2157.4	2088.6
50°	2553.7	2544.9	2479.4	2323.3	2156.3	2080.9	2126.8	2260.0	2361.5	2367.0	2287.3
52.5°	2690.2	2684.7	2623.6	2468.5	2296.0	2219.6	2288.4	2455.4	2572.2	2584.2	2500.2
55°	2788.4	2791.7	2744.7	2597.4	2422.7	2359.3	2453.2	2649.8	2788.4	2790.6	2700.0
57.5°	2860.5	2864.8	2833.2	2705.4	2534.0	2486.0	2612.6	2837.5	2994.8	3004.6	2885.6
60°	2891.0	2898.7	2888.9	2781.9	2633.4	2602.8	2755.7	3005.7	3180.4	3183.6	3040.6
62.5°	2874.7	2882.3	2902.0	2825.5	2705.4	2704.3	2894.3	3152.0	3325.6	3329.9	3158.5
65°	2800.4	2812.4	2861.6	2825.5	2731.6	2767.7	2986.0	3264.4	3420.6	3426.0	3204.4
67°	2701.1	2716.4	2788.4	2787.3	2731.6	2792.8	3030.8	3311.4	3446.8	3440.2	3180.4
67.5°	2678.1	2693.4	2765.5	2776.4	2724.0	2796.1	3036.2	3316.8	3436.9	3435.8	3165.1
70°	2483.8	2511.1	2615.9	2668.3	2667.2	2769.9	3034.1	3287.4	3370.3	3359.4	3037.3
72.5°	2260.0	2293.8	2421.6	2522.0	2554.8	2688.0	2954.4	3170.5	3197.8	3184.7	2798.2
75°	2029.6	2048.2	2181.4	2324.4	2407.4	2549.3	2804.8	2984.9	2946.7	2915.1	2499.1
77.5°	1786.2	1793.8	1942.3	2102.8	2203.2	2367.0	2582.1	2713.1	2619.2	2593.0	2158.5
80°	1503.4	1535.0	1683.5	1850.6	1975.0	2123.5	2304.8	2383.4	2226.1	2202.1	1796.0
82.5°	1271.9	1291.6	1427.0	1590.7	1730.5	1870.2	1988.1	2008.9	1844.0	1826.6	1443.3
85°	1038.3	1055.8	1197.7	1349.4	1480.5	1597.3	1675.9	1645.3	1473.9	1455.3	1140.9
87.5°	859.2	872.3	970.6	1124.5	1240.3	1324.3	1365.8	1327.6	1163.8	1137.6	881.1
90°	681.3	700.9	789.4	919.3	1037.2	1091.8	1096.1	1032.8	898.5	878.9	674.7
92.5°	550.3	563.4	647.4	755.5	848.3	889.8	878.9	825.4	702.0	679.1	521.9
95°	445.4	456.4	526.2	621.2	696.6	734.8	704.2	633.2	536.1	527.3	402.9
97.5°	370.1	372.3	426.9	512.0	572.1	591.7	567.7	503.3	419.2	401.8	309.0
100°	302.4	304.6	350.5	414.9	469.5	482.6	458.5	396.3	325.4	314.4	242.4
102.5°	245.7	251.1	286.0	343.9	384.3	394.1	369.0	314.4	251.1	243.5	188.9
105°	208.5	209.6	240.2	283.9	319.9	327.5	302.4	255.5	197.6	193.2	150.7
107.5°	176.9	176.9	200.9	239.1	267.5	271.9	252.2	208.5	156.1	151.8	122.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	151.8	152.8	170.3	200.9	227.1	230.4	210.7	167.0	124.5	121.2	99.4
112.5°	132.1	134.3	146.3	170.3	193.2	196.5	176.9	136.5	101.5	97.2	83.0
115°	116.8	117.9	126.6	146.3	164.9	167.0	147.4	112.5	81.9	78.6	69.9
117.5°	103.7	104.8	111.4	127.7	141.9	143.0	123.4	92.8	68.8	65.5	61.1
120°	93.9	93.9	99.4	110.3	122.3	122.3	103.7	76.4	56.8	55.7	52.4
122.5°	85.2	85.2	88.4	96.1	104.8	102.6	86.3	63.3	48.0	46.9	45.9
125°	77.5	77.5	79.7	84.1	89.5	86.3	71.0	52.4	41.5	40.4	40.4
127.5°	69.9	69.9	71.0	74.2	75.3	72.1	59.0	43.7	36.0	34.9	36.0
130°	63.3	63.3	63.3	63.3	63.3	61.1	48.0	36.0	30.6	30.6	31.7
132.5°	56.8	56.8	55.7	54.6	53.5	49.1	39.3	29.5	27.3	27.3	28.4
135°	50.2	50.2	49.1	46.9	43.7	38.2	29.5	24.0	22.9	22.9	24.0
137.5°	43.7	43.7	42.6	39.3	34.9	29.5	22.9	19.7	19.7	19.7	20.7
140°	37.1	37.1	36.0	32.8	27.3	21.8	17.5	15.3	16.4	16.4	17.5
142.5°	31.7	30.6	29.5	26.2	20.7	15.3	12.0	12.0	13.1	13.1	14.2
145°	25.1	24.0	22.9	19.7	15.3	10.9	8.7	8.7	9.8	9.8	10.9
147.5°	19.7	18.6	17.5	14.2	10.9	7.6	5.5	6.6	7.6	7.6	7.6
150°	13.1	13.1	13.1	10.9	6.6	4.4	3.3	4.4	4.4	4.4	5.5
152.5°	8.7	8.7	8.7	6.6	4.4	2.2	2.2	2.2	3.3	3.3	3.3
155°	5.5	5.5	5.5	4.4	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°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	315.5	313.3	309.0	305.7	302.4	299.1	295.9	293.7	290.4	290.4	290.4
5°	326.4	321.0	312.2	305.7	298.1	292.6	286.0	281.7	278.4	277.3	277.3
7.5°	345.0	337.4	324.3	311.2	300.2	291.5	283.9	278.4	274.0	272.9	272.9
10°	371.2	361.4	340.6	325.4	311.2	299.1	289.3	281.7	278.4	276.2	276.2
12.5°	409.4	396.3	372.3	346.1	327.5	312.2	300.2	297.0	297.0	298.1	297.0
15°	455.3	442.2	409.4	378.8	351.6	334.1	327.5	327.5	326.4	328.6	328.6
17.5°	513.1	494.6	455.3	414.9	383.2	366.8	360.3	358.1	360.3	363.6	361.4
20°	581.9	554.6	505.5	455.3	421.4	405.1	394.1	391.9	395.2	397.4	398.5
22.5°	654.0	624.5	562.3	497.9	462.9	441.1	429.1	425.8	431.3	436.7	437.8
25°	735.9	703.1	623.4	549.2	500.0	470.6	459.6	458.5	467.3	474.9	474.9
27.5°	835.2	791.5	690.0	604.8	541.5	502.2	490.2	491.3	503.3	509.9	512.0
30°	938.9	889.8	766.4	656.2	574.3	527.3	514.2	519.7	531.7	544.8	547.0
32.5°	1055.8	997.9	840.7	707.5	603.8	547.0	532.8	543.7	556.8	572.1	574.3
35°	1178.0	1100.5	917.1	754.4	627.8	562.3	545.9	559.0	575.4	589.6	593.9
37.5°	1316.7	1225.0	1000.1	792.6	646.3	571.0	553.5	568.8	587.4	601.6	602.7
40°	1458.6	1352.7	1078.7	828.7	659.4	576.5	557.9	573.2	590.7	602.7	603.8
42.5°	1607.1	1482.6	1151.8	858.1	666.0	576.5	555.7	571.0	587.4	593.9	595.0
45°	1780.7	1620.2	1227.2	878.9	668.2	574.3	552.4	564.5	576.5	578.6	581.9
47.5°	1955.4	1756.7	1291.6	894.2	667.1	568.8	547.0	556.8	564.5	562.3	565.5
50°	2139.9	1905.2	1353.8	904.0	661.6	563.4	539.3	548.1	550.3	543.7	543.7
52.5°	2316.8	2034.0	1401.8	905.1	654.0	556.8	533.9	540.4	539.3	527.3	528.4
55°	2493.6	2171.6	1442.2	895.3	643.1	550.3	528.4	532.8	529.5	515.3	513.1
57.5°	2645.4	2282.9	1459.7	881.1	631.1	543.7	525.1	529.5	523.0	506.6	505.5
60°	2774.2	2369.2	1460.8	861.4	616.9	538.2	521.9	527.3	521.9	502.2	500.0
62.5°	2853.9	2408.5	1432.4	830.8	602.7	531.7	521.9	526.2	519.7	500.0	498.9
65°	2867.0	2388.8	1386.6	795.9	586.3	525.1	519.7	525.1	518.6	497.9	495.7
67°	2815.7	2332.0	1324.3	763.2	572.1	519.7	515.3	523.0	515.3	495.7	492.4
67.5°	2798.2	2305.8	1310.1	758.8	568.8	517.5	514.2	520.8	514.2	494.6	491.3
70°	2645.4	2162.8	1203.1	710.8	548.1	506.6	506.6	512.0	505.5	486.9	481.5
72.5°	2409.6	1961.9	1096.1	664.9	525.1	490.2	493.5	498.9	492.4	474.9	468.4
75°	2136.6	1735.9	977.1	611.4	498.9	473.8	476.0	481.5	474.9	456.4	450.9
77.5°	1833.1	1475.0	857.0	562.3	471.7	452.0	453.1	456.4	450.9	432.3	426.9
80°	1507.8	1216.2	734.8	506.6	440.0	424.7	425.8	425.8	418.2	402.9	398.5
82.5°	1215.2	988.1	626.7	457.5	405.1	394.1	394.1	393.0	383.2	370.1	363.6
85°	945.5	797.0	525.1	407.2	370.1	360.3	359.2	354.8	345.0	330.8	323.2
87.5°	741.3	631.1	442.2	359.2	335.2	328.6	322.1	312.2	304.6	292.6	286.0
90°	578.6	501.1	373.4	315.5	301.3	292.6	286.0	274.0	262.0	250.0	246.7
92.5°	453.1	396.3	311.2	275.1	266.4	259.8	251.1	238.0	227.1	212.9	214.0
95°	359.2	322.1	265.3	242.4	235.8	230.4	219.4	205.3	193.2	180.1	178.0
97.5°	281.7	256.6	222.7	210.7	208.5	202.0	191.1	176.9	163.8	149.6	149.6
100°	223.8	209.6	187.8	185.6	181.2	176.9	166.0	152.8	136.5	124.5	124.5
102.5°	180.1	168.1	160.5	160.5	159.4	155.0	144.1	131.0	114.6	102.6	102.6
105°	144.1	139.7	136.5	139.7	140.8	136.5	125.6	111.4	95.0	84.1	86.3
107.5°	120.1	116.8	116.8	121.2	123.4	119.0	109.2	93.9	78.6	71.0	71.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	99.4	98.3	100.4	105.9	107.0	103.7	93.9	79.7	65.5	59.0	60.0
112.5°	84.1	83.0	87.3	92.8	93.9	90.6	80.8	67.7	54.6	50.2	50.2
115°	71.0	72.1	75.3	79.7	81.9	78.6	69.9	57.9	44.8	42.6	42.6
117.5°	61.1	62.2	65.5	71.0	72.1	67.7	59.0	48.0	38.2	37.1	37.1
120°	53.5	54.6	57.9	61.1	62.2	57.9	50.2	40.4	32.8	31.7	31.7
122.5°	46.9	49.1	51.3	53.5	54.6	50.2	43.7	33.8	27.3	27.3	28.4
125°	41.5	42.6	44.8	46.9	46.9	42.6	36.0	28.4	24.0	24.0	24.0
127.5°	37.1	37.1	38.2	40.4	40.4	37.1	30.6	22.9	20.7	20.7	21.8
130°	32.8	33.8	33.8	33.8	33.8	30.6	25.1	19.7	17.5	18.6	18.6
132.5°	28.4	29.5	29.5	29.5	28.4	25.1	20.7	16.4	15.3	16.4	16.4
135°	25.1	25.1	25.1	25.1	22.9	20.7	16.4	13.1	13.1	14.2	14.2
137.5°	21.8	21.8	21.8	20.7	18.6	16.4	13.1	10.9	10.9	12.0	12.0
140°	17.5	18.6	17.5	16.4	14.2	12.0	9.8	8.7	9.8	9.8	9.8
142.5°	14.2	14.2	14.2	13.1	10.9	8.7	7.6	6.6	7.6	7.6	8.7
145°	10.9	10.9	10.9	9.8	7.6	5.5	5.5	5.5	6.6	6.6	6.6
147.5°	7.6	7.6	7.6	6.6	4.4	3.3	3.3	3.3	4.4	4.4	4.4
150°	5.5	5.5	5.5	4.4	2.2	1.1	1.1	2.2	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	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)