

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: P417145

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417145  
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-PA1-90-730-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 8274 lumens  
Efficiency: N/A  
Efficacy: 88.0 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

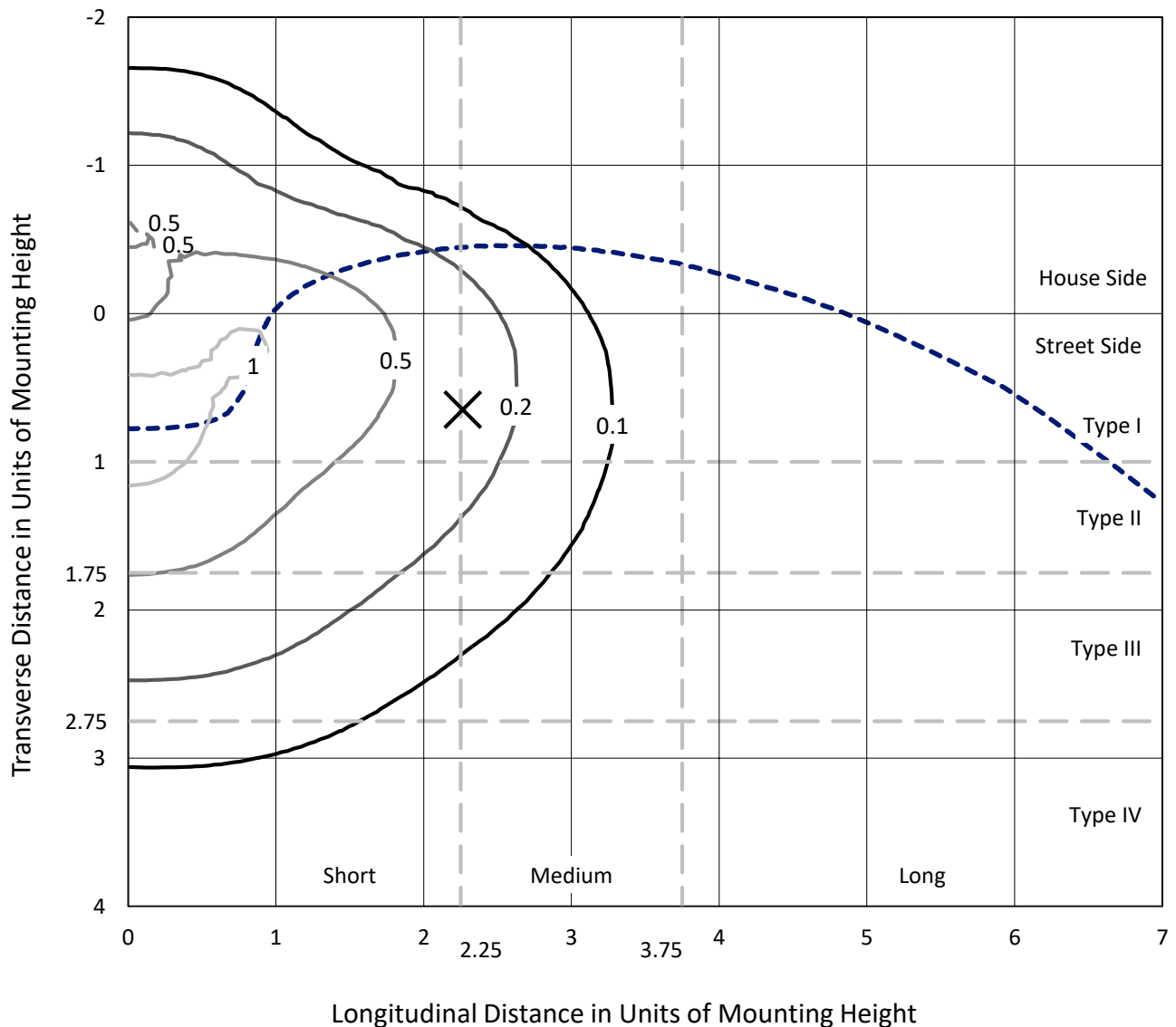
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

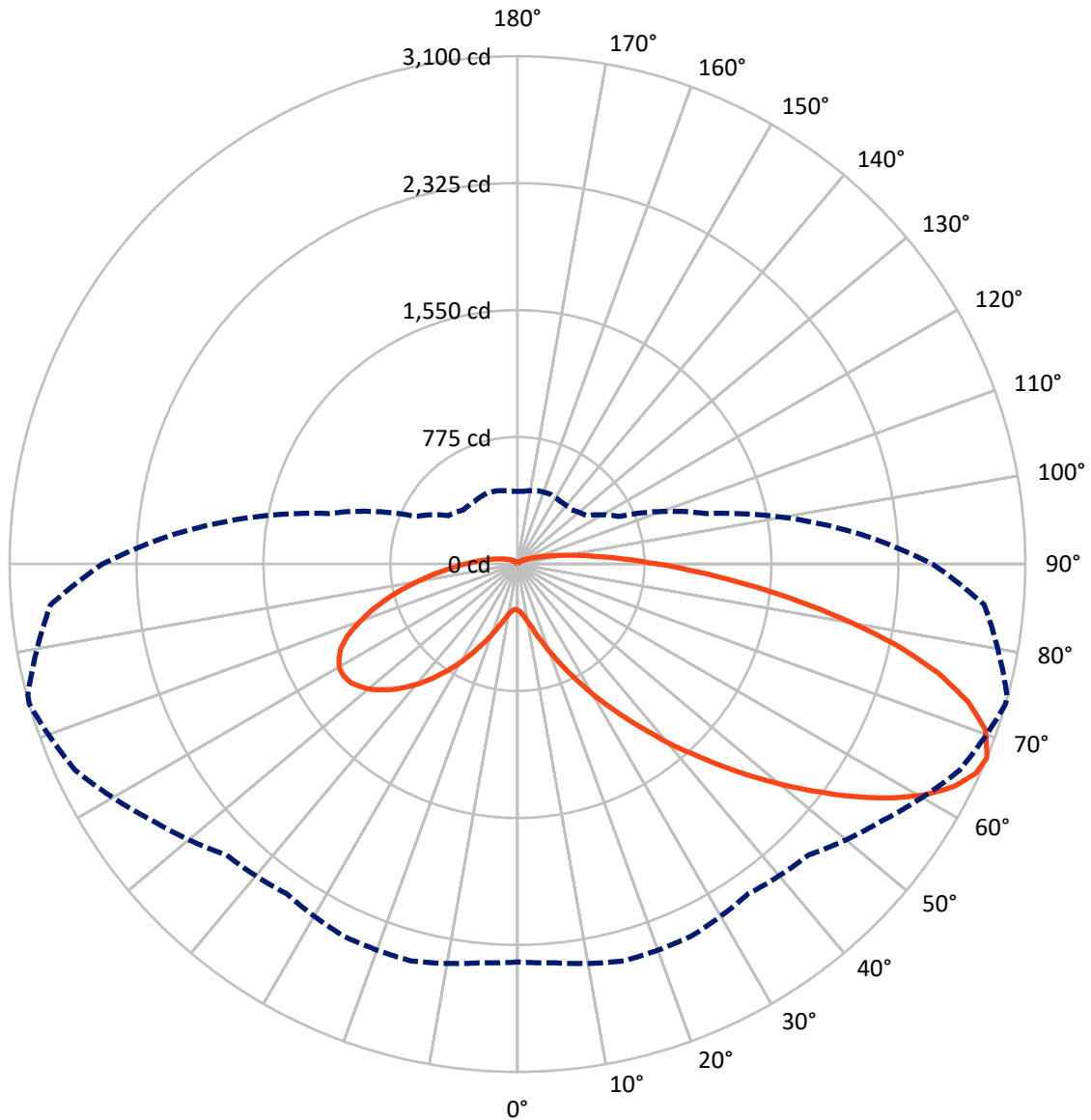


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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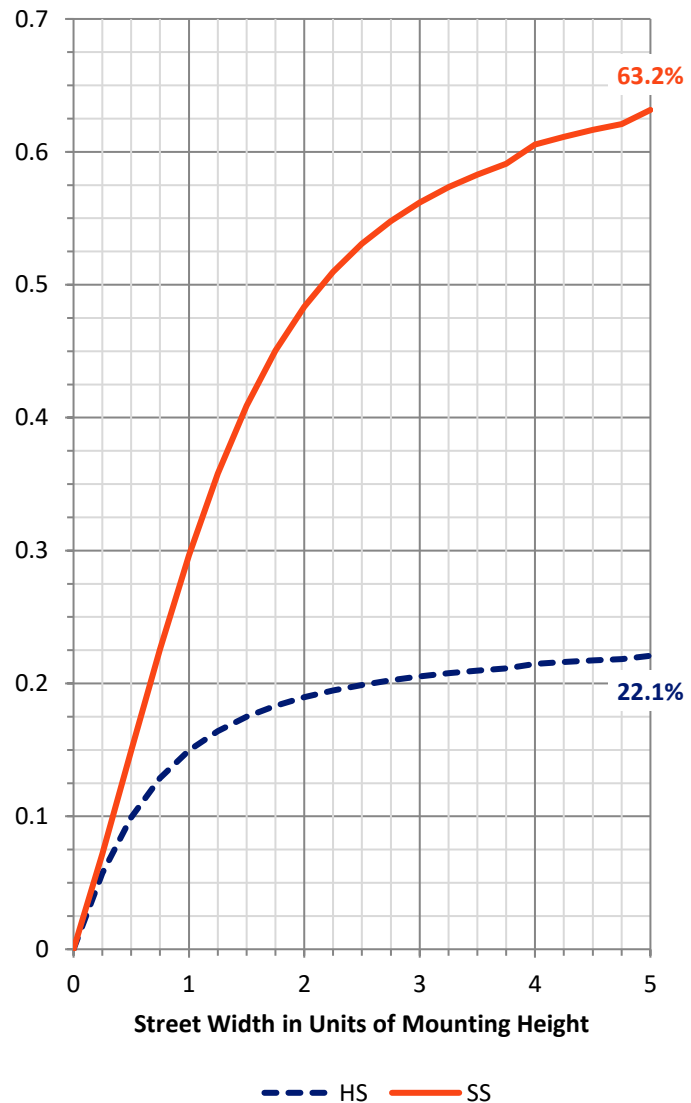
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1929.4	231.9	2161.3
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	5583.6	529.0	6112.7
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	7513.0	761.0	8274.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.5	0.4
10°-20°	120.6	1.5
20°-30°	299.4	3.6
30°-40°	584.7	7.1
40°-50°	967.0	11.7
50°-60°	1401.6	16.9
60°-70°	1696.4	20.5
70°-80°	1508.0	18.2
80°-90°	905.9	10.9
90°-100°	415.9	5.0
100°-110°	185.2	2.2
110°-120°	88.4	1.1
120°-130°	43.8	0.5
130°-140°	20.0	0.2
140°-150°	6.6	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7513.0	90.8
0°-180°	8274.0	100.0



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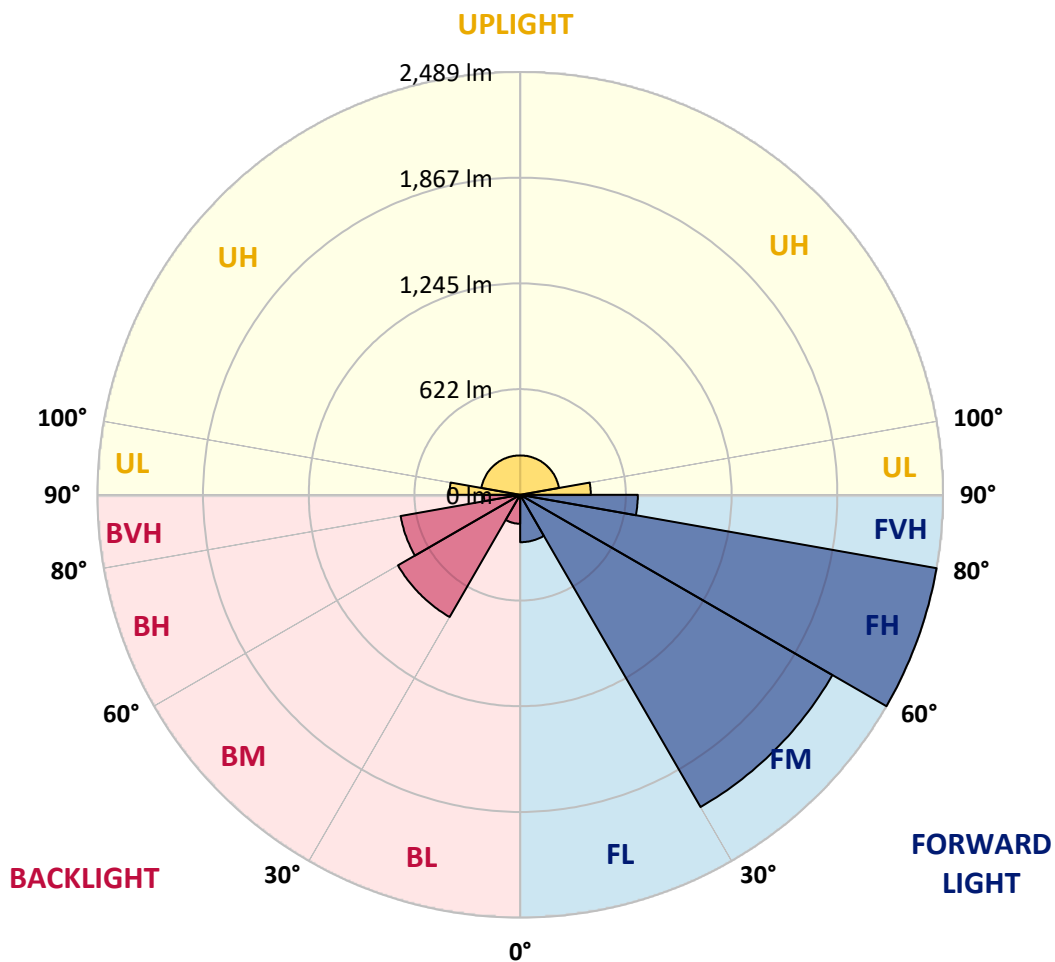
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.0	3.4			
FM	(30°-60°)	2122.8	25.7			
FH	(60°-80°)	2489.5	30.1			G2/5000
FVH	(80°-90°)	692.4	8.4			G4/750
BL	(0°-30°)	170.4	2.1	B1/500		
BM	(30°-60°)	830.5	10.0	B1/1000		
BH	(60°-80°)	715.0	8.6	B2/1000		G2/1000
BVH	(80°-90°)	213.5	2.6			G2/225
UL	(90°-100°)	415.9	5.0		U3/500	
UH	(100°-180°)	231.9	2.8		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°	74°	75°	85°
0°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8
2.5°	311.3	308.3	308.3	306.4	305.4	302.4	300.5	293.6	290.6	290.6	285.7
5°	344.6	342.7	338.8	338.8	334.8	330.9	323.0	314.2	307.3	306.4	297.5
7.5°	385.9	381.0	381.0	376.1	370.2	363.3	352.5	340.7	329.9	328.9	315.2
10°	433.0	431.1	429.1	422.2	414.4	400.6	390.8	374.1	361.3	360.4	341.7
12.5°	490.9	488.0	482.1	475.2	461.5	451.7	434.0	415.3	398.6	399.6	378.0
15°	553.8	551.8	547.9	537.1	521.4	507.6	490.0	470.3	453.6	446.8	424.2
17.5°	625.5	621.5	616.6	604.8	587.2	573.4	549.9	531.2	509.6	510.6	478.2
20°	709.9	706.0	699.1	680.5	664.7	646.1	621.5	600.9	576.4	574.4	542.0
22.5°	793.4	795.3	778.6	759.0	744.3	722.7	699.1	672.6	651.0	649.0	611.7
25°	896.5	889.6	872.9	850.3	827.7	801.2	780.6	757.0	736.4	734.5	690.3
27.5°	1004.5	998.6	976.0	947.5	917.1	887.6	870.0	845.4	829.7	826.8	781.6
30°	1122.3	1112.5	1091.9	1053.6	1011.3	978.0	960.3	951.5	936.7	932.8	886.6
32.5°	1254.9	1242.1	1211.7	1165.5	1104.6	1067.3	1059.5	1051.6	1045.7	1039.8	996.6
35°	1386.4	1382.5	1337.3	1280.4	1220.5	1171.4	1157.7	1170.4	1166.5	1162.6	1116.4
37.5°	1524.9	1531.8	1482.7	1408.0	1325.6	1273.5	1263.7	1287.3	1298.1	1298.1	1243.1
40°	1687.9	1682.0	1632.9	1541.6	1445.3	1384.5	1387.4	1422.8	1449.3	1443.4	1389.4
42.5°	1849.9	1837.1	1772.3	1683.0	1561.2	1500.3	1500.3	1554.3	1594.6	1595.6	1538.6
45°	2009.0	1995.2	1934.3	1817.5	1684.9	1619.1	1632.9	1698.7	1764.5	1755.6	1699.7
47.5°	2154.3	2148.4	2085.5	1960.8	1811.6	1742.9	1770.4	1868.5	1940.2	1940.2	1878.4
50°	2296.6	2288.8	2229.9	2089.5	1939.2	1871.5	1912.7	2032.5	2123.8	2128.7	2057.1
52.5°	2419.4	2414.5	2359.5	2220.1	2064.9	1996.2	2058.0	2208.3	2313.3	2324.1	2248.5
55°	2507.8	2510.7	2468.5	2335.9	2178.8	2121.9	2206.3	2383.1	2507.8	2509.7	2428.2
57.5°	2572.6	2576.5	2548.0	2433.1	2279.0	2235.8	2349.7	2551.9	2693.3	2702.2	2595.1
60°	2600.1	2606.9	2598.1	2501.9	2368.3	2340.8	2478.3	2703.1	2860.3	2863.2	2734.6
62.5°	2585.3	2592.2	2609.9	2541.1	2433.1	2432.1	2603.0	2834.7	2990.8	2994.8	2840.6
65°	2518.6	2529.4	2573.5	2541.1	2456.7	2489.1	2685.5	2935.9	3076.3	3081.2	2881.9
67°	2429.2	2442.9	2507.8	2506.8	2456.7	2511.7	2725.7	2978.1	3099.8	3093.9	2860.3
67.5°	2408.6	2422.3	2487.1	2497.0	2449.8	2514.6	2730.6	2983.0	3091.0	3090.0	2846.5
70°	2233.8	2258.4	2352.6	2399.7	2398.8	2491.1	2728.7	2956.5	3031.1	3021.3	2731.6
72.5°	2032.5	2063.0	2177.8	2268.2	2297.6	2417.4	2657.0	2851.4	2876.0	2864.2	2516.6
75°	1825.3	1842.0	1961.8	2090.4	2165.1	2292.7	2522.5	2684.5	2650.1	2621.7	2247.6
77.5°	1606.4	1613.2	1746.8	1891.1	1981.5	2128.7	2322.2	2440.0	2355.6	2332.0	1941.2
80°	1352.1	1380.5	1514.1	1664.3	1776.2	1909.8	2072.8	2143.5	2002.1	1980.5	1615.2
82.5°	1143.9	1161.6	1283.3	1430.6	1556.3	1682.0	1788.0	1806.7	1658.4	1642.7	1298.1
85°	933.8	949.5	1077.1	1213.6	1331.4	1436.5	1507.2	1479.7	1325.6	1308.9	1026.1
87.5°	772.7	784.5	872.9	1011.3	1115.4	1191.0	1228.3	1194.0	1046.7	1023.1	792.4
90°	612.7	630.4	709.9	826.8	932.8	981.9	985.8	928.9	808.1	790.4	606.8
92.5°	494.9	506.7	582.3	679.5	762.9	800.2	790.4	742.3	631.4	610.7	469.3
95°	400.6	410.4	473.3	558.7	626.4	660.8	633.3	569.5	482.1	474.3	362.3
97.5°	332.9	334.8	383.9	460.5	514.5	532.2	510.6	452.7	377.0	361.3	277.9
100°	272.0	273.9	315.2	373.1	422.2	434.0	412.4	356.4	292.6	282.8	218.0
102.5°	220.9	225.8	257.3	309.3	345.6	354.5	331.9	282.8	225.8	219.0	169.9
105°	187.5	188.5	216.0	255.3	287.7	294.6	272.0	229.8	177.7	173.8	135.5
107.5°	159.1	159.1	180.7	215.0	240.6	244.5	226.8	187.5	140.4	136.5	110.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	136.5	137.5	153.2	180.7	204.2	207.2	189.5	150.2	111.9	109.0	89.4
112.5°	118.8	120.8	131.6	153.2	173.8	176.7	159.1	122.7	91.3	87.4	74.6
115°	105.1	106.0	113.9	131.6	148.3	150.2	132.6	101.1	73.6	70.7	62.8
117.5°	93.3	94.3	100.2	114.9	127.6	128.6	111.0	83.5	61.9	58.9	55.0
120°	84.4	84.4	89.4	99.2	110.0	110.0	93.3	68.7	51.1	50.1	47.1
122.5°	76.6	76.6	79.5	86.4	94.3	92.3	77.6	56.9	43.2	42.2	41.2
125°	69.7	69.7	71.7	75.6	80.5	77.6	63.8	47.1	37.3	36.3	36.3
127.5°	62.8	62.8	63.8	66.8	67.8	64.8	53.0	39.3	32.4	31.4	32.4
130°	56.9	56.9	56.9	56.9	56.9	55.0	43.2	32.4	27.5	27.5	28.5
132.5°	51.1	51.1	50.1	49.1	48.1	44.2	35.3	26.5	24.5	24.5	25.5
135°	45.2	45.2	44.2	42.2	39.3	34.4	26.5	21.6	20.6	20.6	21.6
137.5°	39.3	39.3	38.3	35.3	31.4	26.5	20.6	17.7	17.7	17.7	18.7
140°	33.4	33.4	32.4	29.5	24.5	19.6	15.7	13.7	14.7	14.7	15.7
142.5°	28.5	27.5	26.5	23.6	18.7	13.7	10.8	10.8	11.8	11.8	12.8
145°	22.6	21.6	20.6	17.7	13.7	9.8	7.9	7.9	8.8	8.8	9.8
147.5°	17.7	16.7	15.7	12.8	9.8	6.9	4.9	5.9	6.9	6.9	6.9
150°	11.8	11.8	11.8	9.8	5.9	3.9	2.9	3.9	3.9	3.9	4.9
152.5°	7.9	7.9	7.9	5.9	3.9	2.0	2.0	2.0	2.9	2.9	2.9
155°	4.9	4.9	4.9	3.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
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°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8
2.5°	283.8	281.8	277.9	274.9	272.0	269.0	266.1	264.1	261.2	261.2	261.2
5°	293.6	288.7	280.8	274.9	268.1	263.1	257.3	253.3	250.4	249.4	249.4
7.5°	310.3	303.4	291.6	279.8	270.0	262.2	255.3	250.4	246.5	245.5	245.5
10°	333.8	325.0	306.4	292.6	279.8	269.0	260.2	253.3	250.4	248.4	248.4
12.5°	368.2	356.4	334.8	311.3	294.6	280.8	270.0	267.1	267.1	268.1	267.1
15°	409.4	397.7	368.2	340.7	316.2	300.5	294.6	294.6	293.6	295.5	295.5
17.5°	461.5	444.8	409.4	373.1	344.6	329.9	324.0	322.1	324.0	327.0	325.0
20°	523.3	498.8	454.6	409.4	379.0	364.3	354.5	352.5	355.4	357.4	358.4
22.5°	588.2	561.6	505.7	447.7	416.3	396.7	385.9	382.9	387.8	392.8	393.7
25°	661.8	632.3	560.7	493.9	449.7	423.2	413.4	412.4	420.2	427.1	427.1
27.5°	751.1	711.9	620.6	544.0	487.0	451.7	440.9	441.9	452.7	458.5	460.5
30°	844.4	800.2	689.3	590.1	516.5	474.3	462.5	467.4	478.2	490.0	491.9
32.5°	949.5	897.4	756.1	636.3	543.0	491.9	479.2	489.0	500.8	514.5	516.5
35°	1059.5	989.7	824.8	678.5	564.6	505.7	490.9	502.7	517.5	530.2	534.1
37.5°	1184.2	1101.7	899.4	712.9	581.3	513.5	497.8	511.6	528.3	541.0	542.0
40°	1311.8	1216.6	970.1	745.3	593.1	518.4	501.7	515.5	531.2	542.0	543.0
42.5°	1445.3	1333.4	1035.9	771.8	599.0	518.4	499.8	513.5	528.3	534.1	535.1
45°	1601.5	1457.1	1103.6	790.4	600.9	516.5	496.8	507.6	518.4	520.4	523.3
47.5°	1758.6	1579.9	1161.6	804.2	599.9	511.6	491.9	500.8	507.6	505.7	508.6
50°	1924.5	1713.4	1217.5	813.0	595.0	506.7	485.1	492.9	494.9	489.0	489.0
52.5°	2083.6	1829.3	1260.7	814.0	588.2	500.8	480.1	486.0	485.1	474.3	475.2
55°	2242.6	1953.0	1297.1	805.2	578.3	494.9	475.2	479.2	476.2	463.5	461.5
57.5°	2379.1	2053.1	1312.8	792.4	567.5	489.0	472.3	476.2	470.3	455.6	454.6
60°	2495.0	2130.7	1313.8	774.7	554.8	484.1	469.3	474.3	469.3	451.7	449.7
62.5°	2566.7	2166.1	1288.2	747.2	542.0	478.2	469.3	473.3	467.4	449.7	448.7
65°	2578.4	2148.4	1247.0	715.8	527.3	472.3	467.4	472.3	466.4	447.7	445.8
67°	2532.3	2097.3	1191.0	686.3	514.5	467.4	463.5	470.3	463.5	445.8	442.8
67.5°	2516.6	2073.8	1178.3	682.4	511.6	465.4	462.5	468.4	462.5	444.8	441.9
70°	2379.1	1945.1	1082.0	639.2	492.9	455.6	455.6	460.5	454.6	437.9	433.0
72.5°	2167.0	1764.5	985.8	598.0	472.3	440.9	443.8	448.7	442.8	427.1	421.2
75°	1921.6	1561.2	878.8	549.9	448.7	426.1	428.1	433.0	427.1	410.4	405.5
77.5°	1648.6	1326.5	770.8	505.7	424.2	406.5	407.5	410.4	405.5	388.8	383.9
80°	1356.0	1093.8	660.8	455.6	395.7	382.0	382.9	382.9	376.1	362.3	358.4
82.5°	1092.8	888.6	563.6	411.4	364.3	354.5	354.5	353.5	344.6	332.9	327.0
85°	850.3	716.8	472.3	366.2	332.9	324.0	323.0	319.1	310.3	297.5	290.6
87.5°	666.7	567.5	397.7	323.0	301.4	295.5	289.7	280.8	273.9	263.1	257.3
90°	520.4	450.7	335.8	283.8	271.0	263.1	257.3	246.5	235.7	224.9	221.9
92.5°	407.5	356.4	279.8	247.4	239.6	233.7	225.8	214.1	204.2	191.5	192.5
95°	323.0	289.7	238.6	218.0	212.1	207.2	197.4	184.6	173.8	162.0	160.0
97.5°	253.3	230.7	200.3	189.5	187.5	181.7	171.8	159.1	147.3	134.5	134.5
100°	201.3	188.5	168.9	166.9	163.0	159.1	149.2	137.5	122.7	111.9	111.9
102.5°	162.0	151.2	144.3	144.3	143.4	139.4	129.6	117.8	103.1	92.3	92.3
105°	129.6	125.7	122.7	125.7	126.7	122.7	112.9	100.2	85.4	75.6	77.6
107.5°	108.0	105.1	105.1	109.0	111.0	107.0	98.2	84.4	70.7	63.8	63.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	89.4	88.4	90.3	95.2	96.2	93.3	84.4	71.7	58.9	53.0	54.0
112.5°	75.6	74.6	78.6	83.5	84.4	81.5	72.7	60.9	49.1	45.2	45.2
115°	63.8	64.8	67.8	71.7	73.6	70.7	62.8	52.0	40.3	38.3	38.3
117.5°	55.0	56.0	58.9	63.8	64.8	60.9	53.0	43.2	34.4	33.4	33.4
120°	48.1	49.1	52.0	55.0	56.0	52.0	45.2	36.3	29.5	28.5	28.5
122.5°	42.2	44.2	46.1	48.1	49.1	45.2	39.3	30.4	24.5	24.5	25.5
125°	37.3	38.3	40.3	42.2	42.2	38.3	32.4	25.5	21.6	21.6	21.6
127.5°	33.4	33.4	34.4	36.3	36.3	33.4	27.5	20.6	18.7	18.7	19.6
130°	29.5	30.4	30.4	30.4	30.4	27.5	22.6	17.7	15.7	16.7	16.7
132.5°	25.5	26.5	26.5	26.5	25.5	22.6	18.7	14.7	13.7	14.7	14.7
135°	22.6	22.6	22.6	22.6	20.6	18.7	14.7	11.8	11.8	12.8	12.8
137.5°	19.6	19.6	19.6	18.7	16.7	14.7	11.8	9.8	9.8	10.8	10.8
140°	15.7	16.7	15.7	14.7	12.8	10.8	8.8	7.9	8.8	8.8	8.8
142.5°	12.8	12.8	12.8	11.8	9.8	7.9	6.9	5.9	6.9	6.9	7.9
145°	9.8	9.8	9.8	8.8	6.9	4.9	4.9	4.9	5.9	5.9	5.9
147.5°	6.9	6.9	6.9	5.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9
150°	4.9	4.9	4.9	3.9	2.0	1.0	1.0	2.0	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.0	1.0	0.0	1.0	2.0	2.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0
157.5°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	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)