

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: P413937

Luminaire Tested: **LXF.LXT-PA1-100-760-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413937  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-760-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9081 lumens  
Efficiency: N/A  
Efficacy: 94.6 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): 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

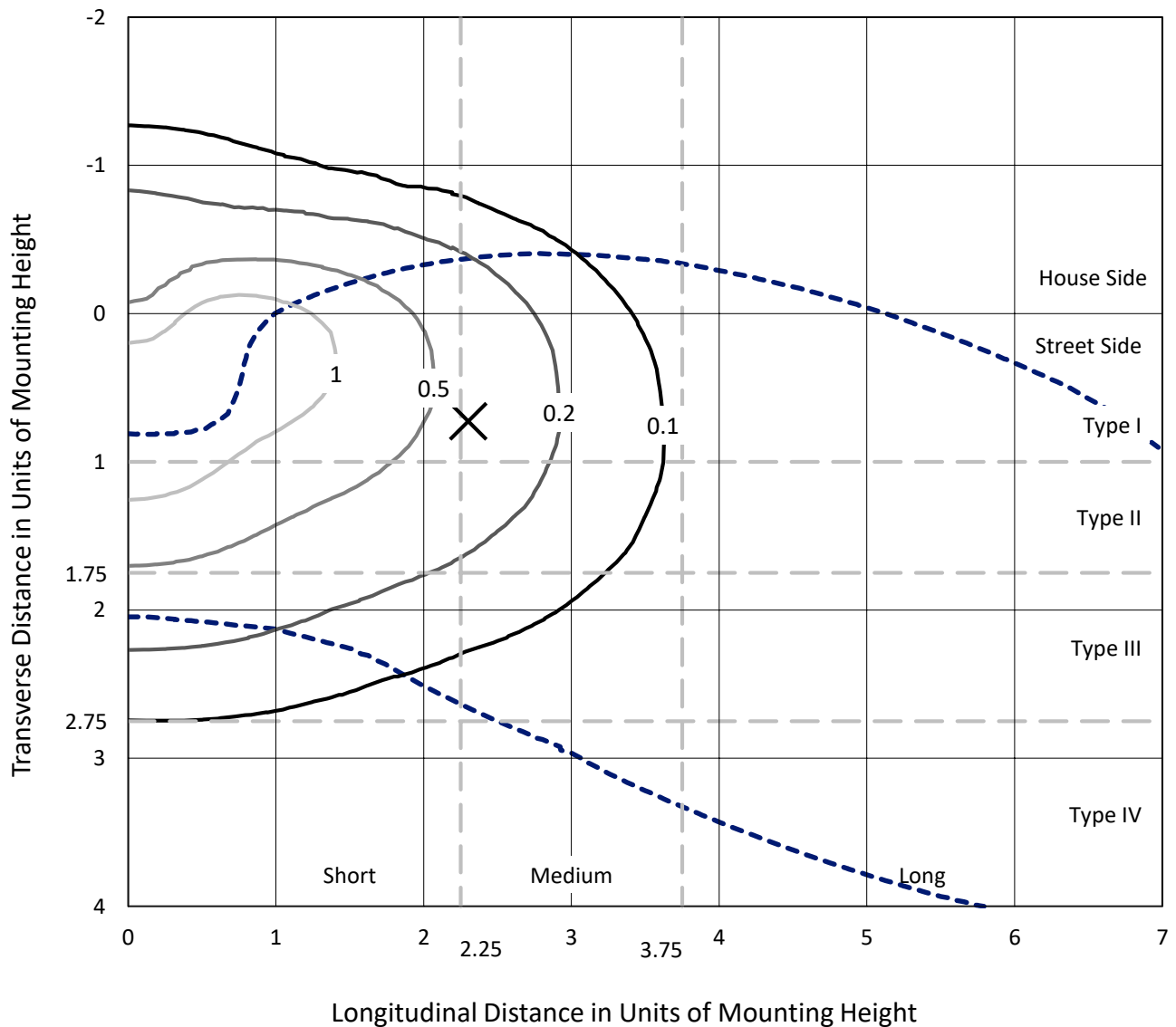


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

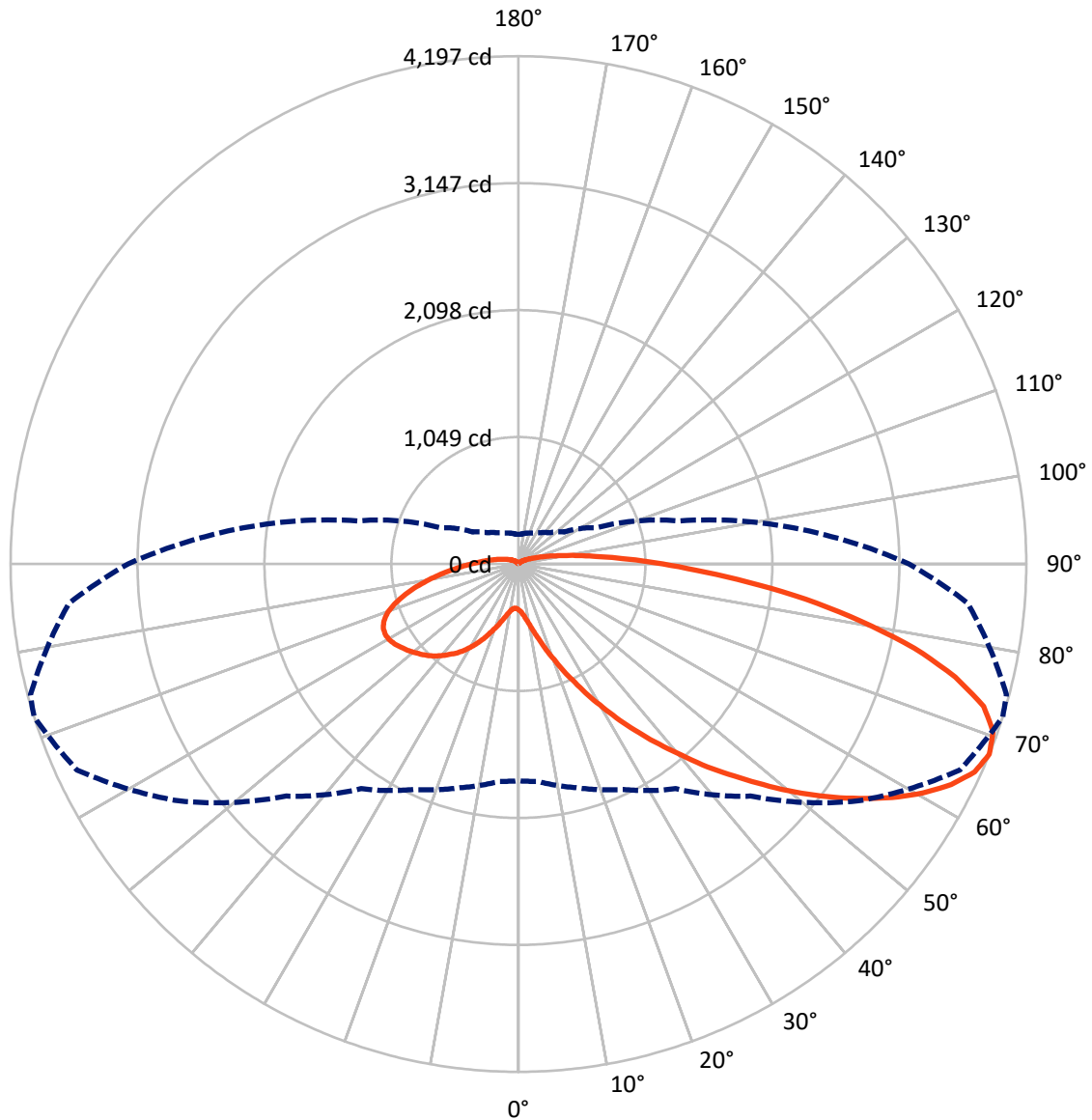


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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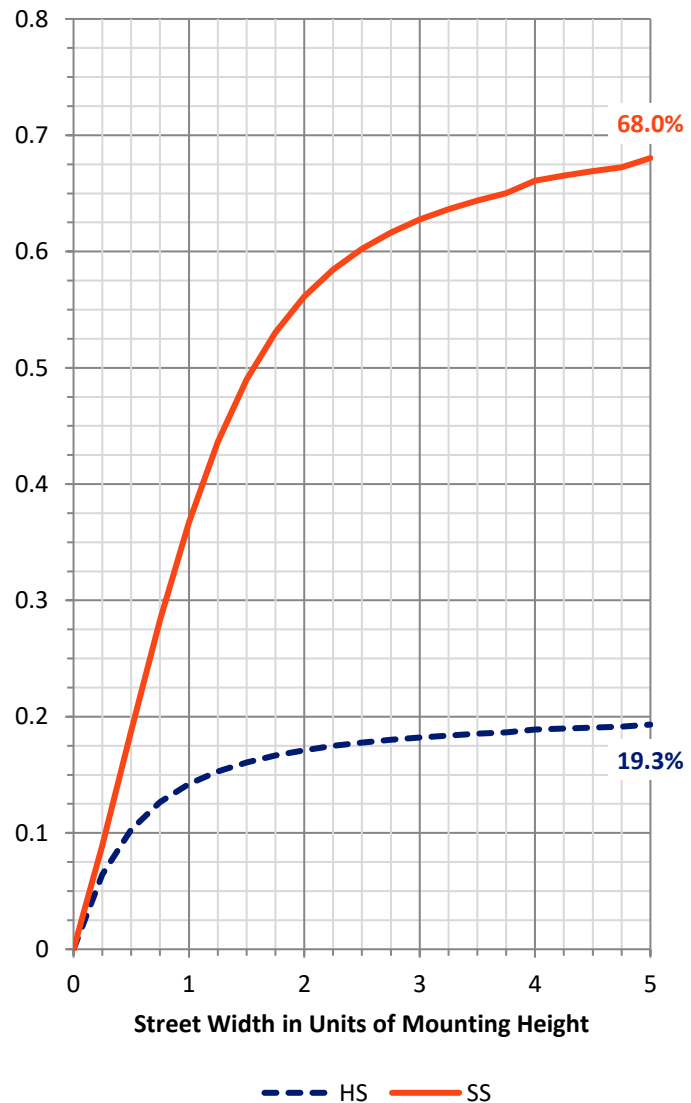
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1844.0	262.3	2106.4
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	6466.1	508.5	6974.6
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	8310.1	770.9	9081.0
	% Fixture	91.5	8.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.1	0.4
10°-20°	154.9	1.7
20°-30°	374.1	4.1
30°-40°	713.1	7.9
40°-50°	1147.8	12.6
50°-60°	1588.2	17.5
60°-70°	1824.8	20.1
70°-80°	1566.3	17.2
80°-90°	901.8	9.9
90°-100°	407.6	4.5
100°-110°	187.3	2.1
110°-120°	94.1	1.0
120°-130°	48.8	0.5
130°-140°	23.2	0.3
140°-150°	8.0	0.1
150°-160°	1.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8310.1	91.5
0°-180°	9081.0	100.0

**Coefficient of Utilization**



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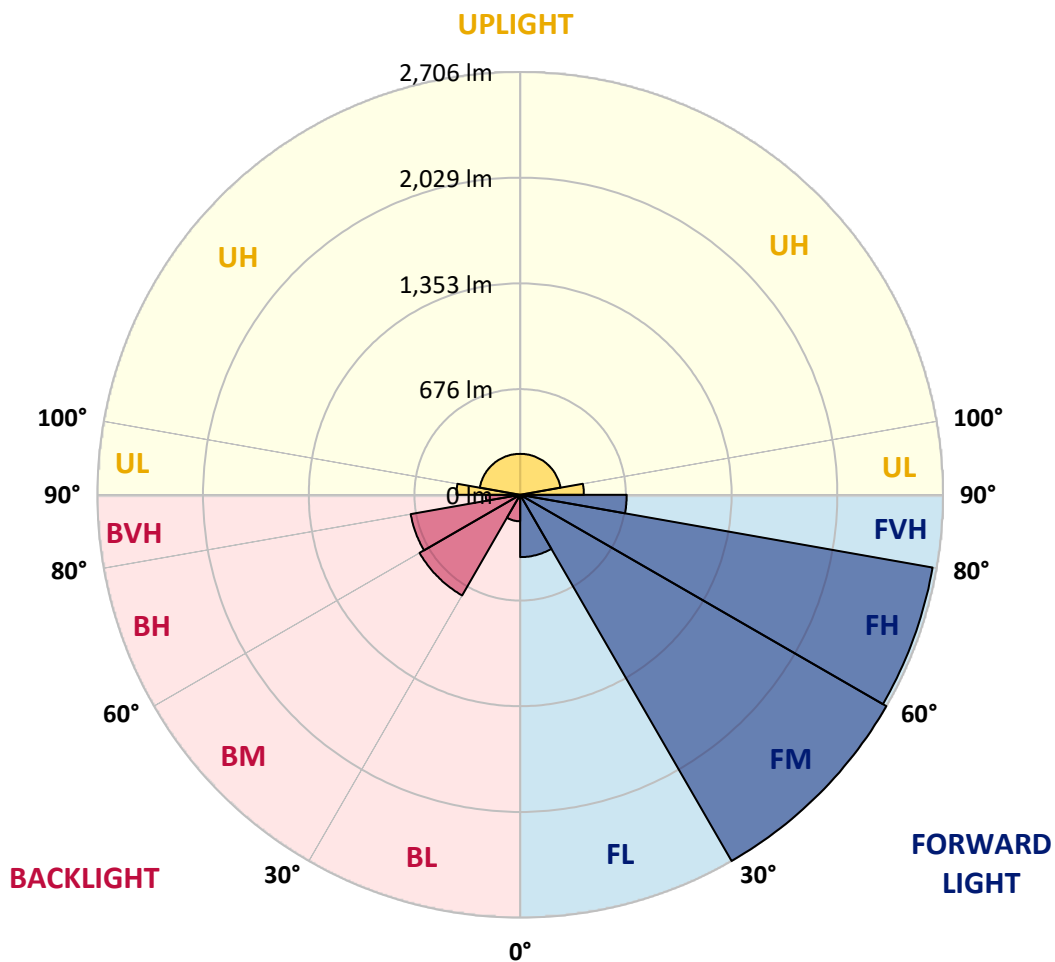
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.8	4.4			
FM	(30°-60°)	2705.6	29.8			
FH	(60°-80°)	2680.0	29.5			G2/5000
FVH	(80°-90°)	681.7	7.5			G4/750
BL	(0°-30°)	169.4	1.9	B1/500		
BM	(30°-60°)	743.5	8.2	B1/1000		
BH	(60°-80°)	711.1	7.8	B2/1000		G2/1000
BVH	(80°-90°)	220.1	2.4			G2/225
UL	(90°-100°)	407.6	4.5		U3/500	
UH	(100°-180°)	262.3	2.9		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°	72.5°	75°	85°
0°	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8
2.5°	424.7	423.6	424.7	421.4	418.1	411.6	407.2	398.5	394.1	391.9	383.2
5°	484.7	483.6	482.5	478.2	467.3	459.6	446.5	431.2	421.4	417.0	402.8
7.5°	550.2	548.1	545.9	536.0	528.4	515.3	495.6	476.0	459.6	456.3	430.1
10°	624.5	622.3	617.9	610.3	596.1	577.5	560.1	531.7	510.9	501.1	472.7
12.5°	700.9	705.3	699.8	684.5	668.1	650.7	625.6	598.3	576.4	568.8	525.1
15°	793.7	797.0	791.5	774.0	756.6	730.4	710.7	682.3	652.9	648.5	600.5
17.5°	896.3	895.2	884.3	867.9	852.6	831.9	803.5	777.3	744.6	736.9	678.0
20°	1007.7	1003.3	993.5	966.2	952.0	928.0	910.5	874.5	842.8	831.9	772.9
22.5°	1119.0	1116.8	1108.1	1083.0	1065.5	1044.8	1018.6	985.8	964.0	942.2	876.7
25°	1258.8	1245.7	1234.8	1190.0	1173.6	1154.0	1131.0	1103.7	1083.0	1071.0	995.7
27.5°	1398.5	1388.7	1363.6	1330.8	1299.2	1267.5	1257.7	1233.7	1227.1	1217.3	1132.1
30°	1537.2	1532.8	1505.5	1464.0	1418.2	1387.6	1382.1	1384.3	1374.5	1362.5	1271.9
32.5°	1694.4	1684.5	1654.0	1598.3	1550.3	1514.2	1514.2	1529.5	1538.3	1526.2	1430.2
35°	1848.3	1839.6	1801.4	1732.6	1679.1	1635.4	1652.9	1688.9	1709.7	1709.7	1590.7
37.5°	2011.0	1991.3	1952.0	1880.0	1807.9	1776.3	1795.9	1858.1	1888.7	1888.7	1768.6
40°	2152.9	2151.8	2098.3	2012.1	1941.1	1894.2	1954.2	2037.2	2077.6	2074.3	1947.7
42.5°	2294.8	2293.7	2242.4	2147.4	2057.9	2033.9	2109.2	2226.0	2291.5	2291.5	2128.9
45°	2422.6	2413.8	2370.2	2265.3	2182.4	2171.5	2282.8	2431.3	2499.0	2509.9	2325.4
47.5°	2516.4	2508.8	2470.6	2369.1	2290.5	2310.1	2444.4	2633.3	2725.0	2723.9	2526.3
50°	2579.8	2572.1	2539.4	2452.0	2384.3	2433.5	2620.2	2847.2	2961.9	2970.6	2725.0
52.5°	2598.3	2594.0	2576.5	2504.4	2460.8	2544.8	2785.0	3065.6	3195.5	3203.1	2942.2
55°	2566.7	2566.7	2565.6	2521.9	2504.4	2644.2	2955.3	3278.5	3419.3	3433.5	3156.2
57.5°	2492.4	2495.7	2515.4	2501.2	2527.4	2723.9	3099.4	3470.6	3640.9	3649.7	3347.3
60°	2380.0	2373.4	2417.1	2443.3	2514.3	2774.1	3227.2	3663.9	3841.8	3845.1	3515.4
62.5°	2209.7	2212.9	2276.3	2345.0	2467.3	2794.8	3339.6	3833.1	4013.2	4020.9	3646.4
65°	2008.8	2016.4	2102.7	2218.4	2386.5	2773.0	3404.0	3963.0	4143.1	4133.3	3721.7
67.5°	1791.5	1802.5	1914.9	2055.7	2266.4	2711.9	3414.9	4025.2	4196.6	4174.8	3728.3
70°	1553.5	1581.9	1694.4	1877.8	2111.4	2595.1	3351.6	4014.3	4160.6	4139.9	3631.1
72.5°	1337.4	1358.1	1481.5	1672.5	1937.8	2425.8	3217.3	3888.8	4019.8	3978.3	3428.0
75°	1122.3	1154.0	1270.8	1474.9	1750.0	2216.2	2989.2	3646.4	3727.2	3682.4	3125.6
77.5°	938.9	967.3	1083.0	1279.5	1543.7	1996.8	2690.0	3278.5	3345.1	3299.2	2743.5
80°	765.3	797.0	909.4	1102.7	1350.5	1739.1	2347.2	2848.3	2873.4	2801.4	2322.1
82.5°	639.8	656.1	760.9	931.2	1159.4	1500.0	1995.7	2389.8	2390.9	2304.6	1886.5
85°	522.9	532.8	628.8	782.8	978.2	1267.5	1638.7	1924.7	1902.9	1855.9	1454.2
87.5°	423.6	433.4	519.7	658.3	823.2	1057.9	1337.4	1515.3	1464.0	1426.9	1128.9
90°	347.2	358.1	429.1	549.1	691.1	873.4	1064.4	1171.4	1125.6	1097.2	870.1
92.5°	283.9	294.8	357.0	459.6	585.2	715.1	846.1	896.3	864.7	831.9	656.1
95°	240.2	242.4	298.0	384.3	483.6	577.5	662.7	692.2	648.5	636.5	507.7
97.5°	197.6	204.2	247.8	324.2	403.9	481.5	525.1	540.4	501.1	474.9	388.7
100°	168.1	171.4	209.6	270.7	336.3	391.9	425.8	418.1	383.2	367.9	294.8
102.5°	144.1	147.4	178.0	234.7	286.0	326.4	342.8	330.8	298.0	288.2	231.4
105°	126.6	127.7	152.8	198.7	242.4	276.2	282.8	264.2	232.5	219.4	182.3
107.5°	112.4	113.5	133.2	172.5	209.6	232.5	234.7	214.0	183.4	173.6	146.3
110°	100.4	102.6	116.8	149.6	181.2	198.7	196.5	174.7	146.3	137.6	120.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	90.6	92.8	103.7	131.0	157.2	172.5	167.0	140.8	116.8	111.4	99.3
115°	83.0	85.2	93.9	115.7	138.7	149.6	140.8	116.8	96.1	89.5	83.0
117.5°	77.5	78.6	85.2	102.6	120.1	128.8	119.0	97.2	78.6	74.2	71.0
120°	72.1	73.1	78.6	90.6	105.9	110.3	100.4	79.7	65.5	63.3	62.2
122.5°	67.7	67.7	72.1	80.8	91.7	95.0	85.2	66.6	55.7	53.5	54.6
125°	63.3	63.3	65.5	72.1	79.7	81.9	71.0	55.7	46.9	45.9	48.0
127.5°	59.0	59.0	60.0	64.4	68.8	68.8	59.0	45.9	40.4	39.3	42.6
130°	54.6	54.6	54.6	56.8	59.0	57.9	48.0	38.2	34.9	34.9	37.1
132.5°	50.2	50.2	50.2	50.2	49.1	46.9	39.3	30.6	30.6	30.6	32.8
135°	44.8	44.8	44.8	43.7	41.5	38.2	30.6	25.1	25.1	26.2	28.4
137.5°	40.4	40.4	39.3	37.1	33.8	29.5	24.0	19.7	21.8	21.8	24.0
140°	34.9	34.9	33.8	30.6	26.2	21.8	17.5	16.4	17.5	18.6	20.7
142.5°	29.5	29.5	28.4	25.1	20.7	15.3	12.0	12.0	14.2	14.2	16.4
145°	24.0	24.0	22.9	19.7	14.2	9.8	7.6	8.7	10.9	10.9	12.0
147.5°	18.6	18.6	17.5	14.2	9.8	6.6	4.4	6.6	7.6	7.6	8.7
150°	13.1	13.1	12.0	9.8	6.6	3.3	2.2	3.3	4.4	5.5	5.5
152.5°	8.7	8.7	7.6	6.6	3.3	1.1	2.2	3.3	3.3	3.3	4.4
155°	5.5	4.4	4.4	3.3	1.1	0.0	1.1	2.2	2.2	2.2	3.3
157.5°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	1.1	1.1	2.2	2.2
160°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
162.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
165°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
167.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
170°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
172.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
175°	0.0	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	0.0	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8
2.5°	381.0	376.6	370.1	363.5	357.0	352.6	348.3	346.1	342.8	339.5	339.5
5°	394.1	385.4	370.1	354.8	340.6	328.6	316.6	310.1	305.7	301.3	302.4
7.5°	418.1	405.0	379.9	354.8	331.9	312.2	295.9	282.8	274.0	268.6	269.7
10°	452.0	437.8	399.6	363.5	330.8	302.4	279.5	260.9	250.0	244.5	244.5
12.5°	505.5	481.5	431.2	379.9	336.3	298.0	268.6	246.7	231.4	224.9	223.8
15°	569.9	536.0	474.9	411.6	349.4	298.0	259.8	244.5	234.7	230.4	229.3
17.5°	646.3	609.2	525.1	441.1	366.8	304.6	271.8	253.3	242.4	238.0	236.9
20°	729.3	685.6	579.7	478.2	384.3	324.2	283.9	260.9	248.9	244.5	244.5
22.5°	830.8	772.9	638.7	510.9	406.1	340.6	295.9	267.5	256.6	252.2	251.1
25°	935.6	870.1	708.5	545.9	430.1	353.7	304.6	274.0	263.1	258.7	259.8
27.5°	1059.0	974.9	777.3	580.8	450.9	361.4	309.0	279.5	268.6	265.3	266.4
30°	1187.8	1081.9	838.5	616.8	465.1	366.8	312.2	283.9	271.8	269.7	269.7
32.5°	1324.3	1204.2	901.8	648.5	473.8	367.9	312.2	286.0	274.0	272.9	274.0
35°	1464.0	1322.1	962.9	673.6	478.2	366.8	311.1	288.2	274.0	274.0	274.0
37.5°	1619.0	1437.8	1014.2	691.1	479.3	363.5	310.1	287.1	274.0	274.0	275.1
40°	1778.4	1561.2	1071.0	705.3	478.2	361.4	309.0	287.1	274.0	274.0	275.1
42.5°	1936.7	1675.8	1124.5	714.0	476.0	359.2	307.9	287.1	274.0	271.8	272.9
45°	2108.1	1809.0	1175.8	719.5	473.8	358.1	307.9	286.0	274.0	269.7	270.7
47.5°	2267.5	1932.4	1217.3	726.0	472.7	358.1	309.0	286.0	272.9	268.6	268.6
50°	2447.7	2060.1	1259.9	728.2	470.5	358.1	309.0	286.0	271.8	265.3	266.4
52.5°	2625.6	2188.9	1301.3	732.6	470.5	359.2	310.1	286.0	270.7	262.0	262.0
55°	2795.9	2303.6	1338.5	735.8	470.5	361.4	313.3	286.0	269.7	258.7	258.7
57.5°	2952.0	2421.5	1375.6	736.9	470.5	363.5	313.3	287.1	268.6	255.5	255.5
60°	3090.7	2523.0	1401.8	738.0	469.4	365.7	315.5	286.0	267.5	252.2	252.2
62.5°	3189.0	2600.5	1414.9	734.7	469.4	365.7	316.6	286.0	266.4	251.1	250.0
65°	3244.6	2627.8	1407.2	724.9	467.3	365.7	315.5	284.9	264.2	248.9	247.8
67.5°	3226.1	2598.3	1374.5	709.6	461.8	364.6	315.5	282.8	264.2	247.8	245.6
70°	3125.6	2509.9	1312.3	686.7	454.2	360.3	311.1	279.5	262.0	246.7	244.5
72.5°	2929.1	2331.9	1221.6	650.7	441.1	353.7	305.7	274.0	257.6	243.5	240.2
75°	2656.2	2120.1	1111.4	613.6	424.7	345.0	299.1	268.6	252.2	239.1	235.8
77.5°	2305.7	1837.4	989.1	565.5	403.9	333.0	290.4	259.8	244.5	232.5	228.2
80°	1942.2	1548.1	857.0	515.3	382.1	317.7	277.3	248.9	234.7	223.8	218.3
82.5°	1572.1	1271.9	733.6	467.3	357.0	300.2	264.2	236.9	223.8	211.8	206.3
85°	1240.2	1005.5	614.6	417.0	330.8	282.8	248.9	222.7	210.7	197.6	192.1
87.5°	965.1	798.1	514.2	371.2	302.4	263.1	232.5	208.5	194.3	182.3	178.0
90°	752.2	628.8	430.1	327.5	277.3	243.5	215.1	193.2	179.0	167.0	161.6
92.5°	573.2	497.8	360.3	289.3	252.2	223.8	198.7	178.0	163.8	150.7	145.2
95°	448.7	395.2	304.6	254.4	227.1	203.1	182.3	162.7	147.4	133.2	129.9
97.5°	348.3	316.6	256.6	222.7	205.2	183.4	164.9	147.4	132.1	117.9	114.6
100°	275.1	252.2	217.3	197.6	182.3	164.9	148.5	133.2	116.8	101.5	100.4
102.5°	217.3	207.4	184.5	173.6	161.6	148.5	134.3	117.9	101.5	87.3	86.2
105°	178.0	169.2	158.3	151.8	144.1	132.1	119.0	104.8	88.4	75.3	75.3
107.5°	144.1	139.7	134.3	133.2	127.7	117.9	107.0	92.8	76.4	65.5	65.5
110°	117.9	116.8	116.8	116.8	113.5	105.9	95.0	80.8	64.4	56.8	56.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	99.3	99.3	100.4	102.6	100.4	92.8	83.0	69.9	55.7	49.1	49.1
115°	84.1	85.2	88.4	89.5	88.4	83.0	73.1	60.0	46.9	42.6	43.7
117.5°	73.1	73.1	77.5	79.7	78.6	73.1	63.3	51.3	40.4	38.2	38.2
120°	63.3	65.5	68.8	69.9	68.8	63.3	55.7	43.7	34.9	33.8	33.8
122.5°	55.7	56.8	60.0	62.2	60.0	55.7	46.9	37.1	29.5	29.5	30.6
125°	49.1	50.2	52.4	54.6	52.4	46.9	40.4	30.6	26.2	26.2	26.2
127.5°	43.7	44.8	46.9	46.9	44.8	40.4	33.8	26.2	21.8	22.9	22.9
130°	38.2	39.3	40.4	40.4	39.3	34.9	28.4	21.8	19.7	20.7	20.7
132.5°	33.8	34.9	34.9	34.9	32.8	29.5	24.0	18.6	17.5	18.6	18.6
135°	29.5	29.5	30.6	29.5	27.3	24.0	18.6	15.3	15.3	16.4	16.4
137.5°	25.1	26.2	26.2	24.0	21.8	18.6	15.3	13.1	13.1	14.2	14.2
140°	20.7	21.8	20.7	19.7	17.5	15.3	12.0	9.8	10.9	12.0	12.0
142.5°	17.5	17.5	17.5	15.3	13.1	10.9	8.7	8.7	9.8	9.8	10.9
145°	13.1	13.1	13.1	12.0	9.8	7.6	6.6	6.6	7.6	8.7	8.7
147.5°	9.8	9.8	9.8	8.7	6.6	5.5	4.4	5.5	6.6	7.6	6.6
150°	6.6	6.6	6.6	5.5	4.4	3.3	3.3	4.4	5.5	5.5	5.5
152.5°	4.4	4.4	4.4	4.4	3.3	1.1	2.2	3.3	4.4	4.4	4.4
155°	3.3	3.3	3.3	3.3	2.2	0.0	1.1	2.2	3.3	3.3	3.3
157.5°	2.2	2.2	2.2	2.2	1.1	0.0	0.0	2.2	2.2	2.2	2.2
160°	1.1	2.2	2.2	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	0.0
165°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
170°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
172.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
175°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
177.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)