

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: P413727

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7788 lumens  
Efficiency: N/A  
Efficacy: 81.1 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 - G3

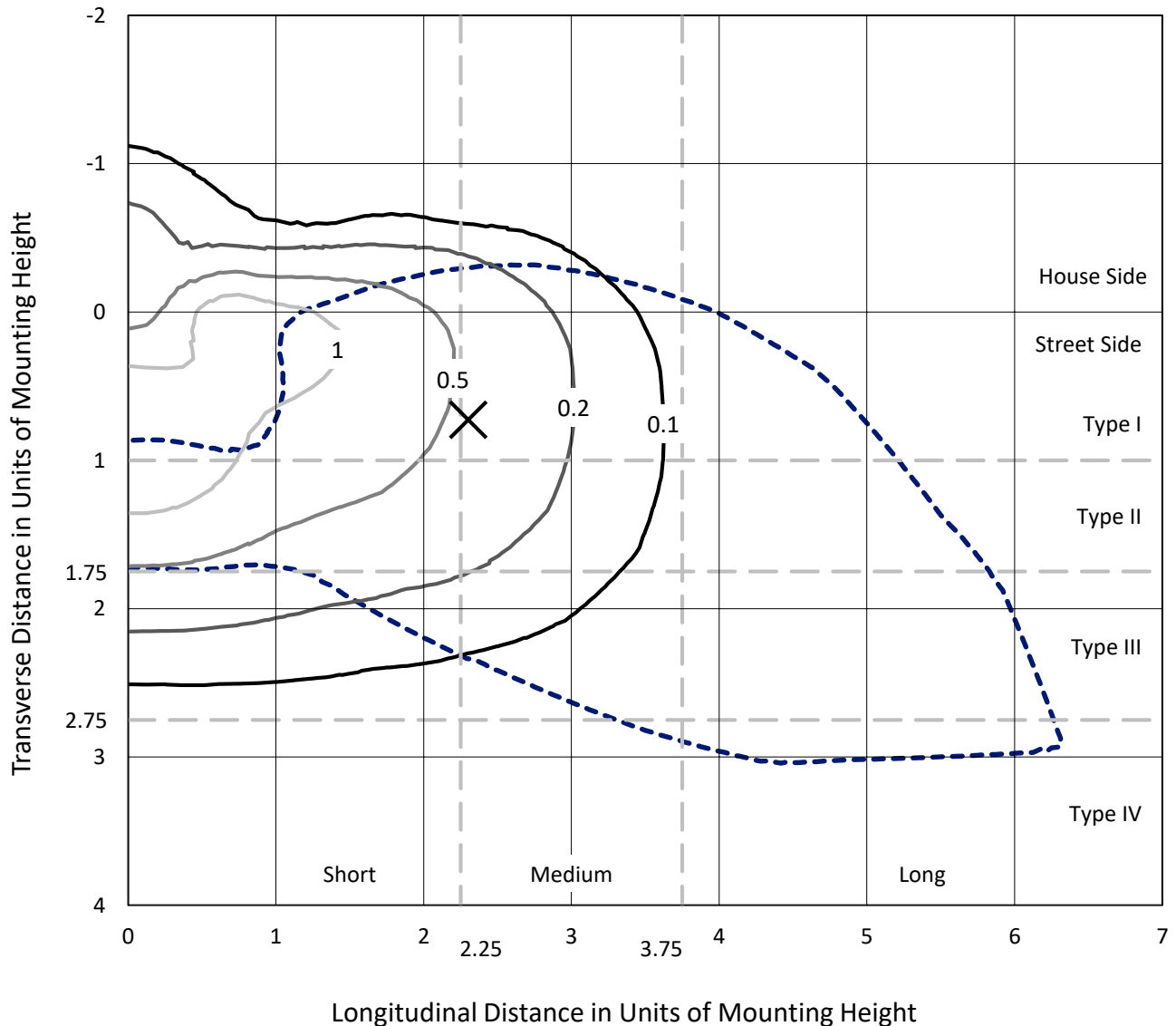
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

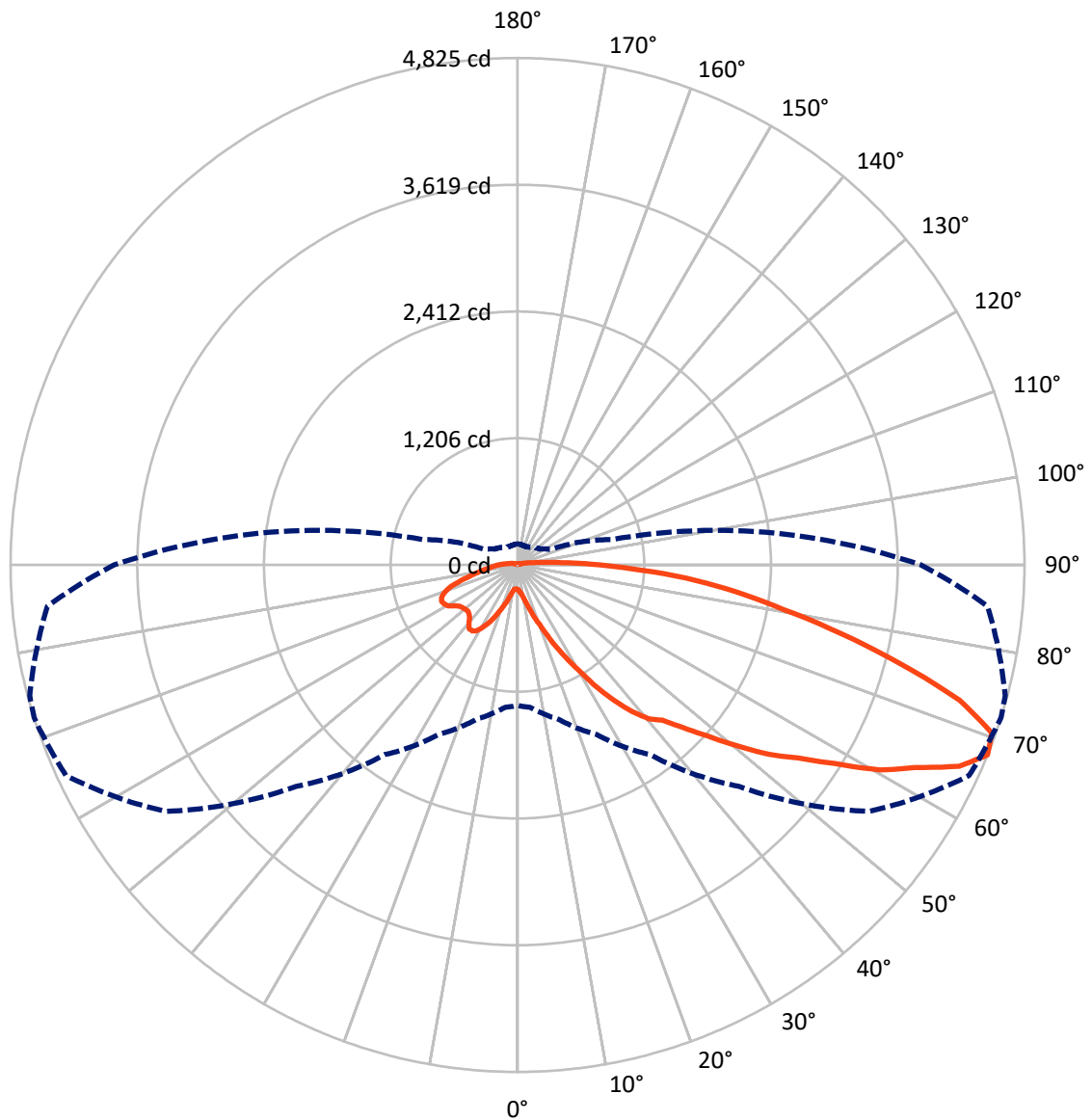


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Medium - Non-Cutoff

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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	1362.7	119.8	1482.5
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	6136.2	169.4	6305.5
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	7498.9	289.1	7788.0
	% Fixture	96.3	3.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.4	0.3
10°-20°	105.1	1.3
20°-30°	291.3	3.7
30°-40°	626.3	8.0
40°-50°	1060.0	13.6
50°-60°	1555.3	20.0
60°-70°	1854.8	23.8
70°-80°	1385.2	17.8
80°-90°	596.5	7.7
90°-100°	173.1	2.2
100°-110°	56.3	0.7
110°-120°	26.4	0.3
120°-130°	16.1	0.2
130°-140°	10.3	0.1
140°-150°	4.6	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	7498.9	96.3
0°-180°	7788.0	100.0



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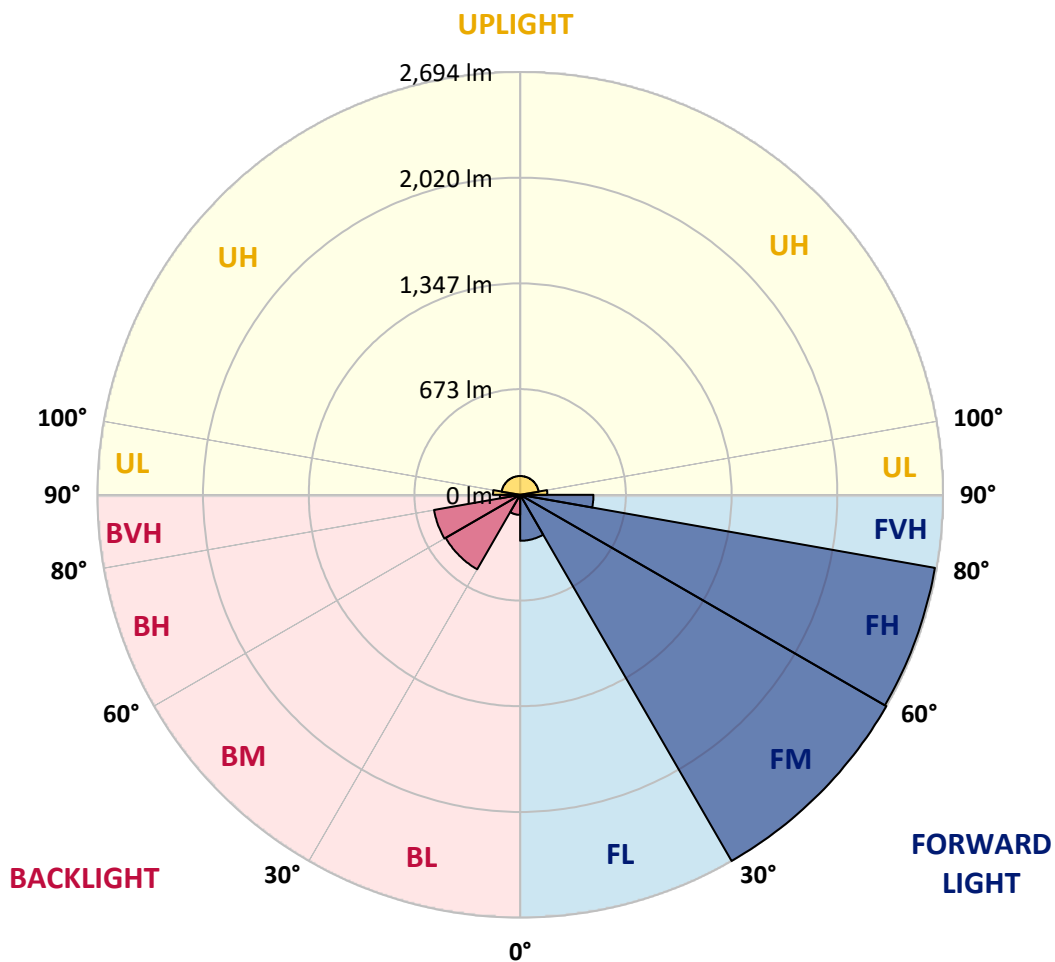
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.1	3.8			
FM	(30°-60°)	2693.6	34.6			
FH	(60°-80°)	2682.9	34.4			G2/5000
FVH	(80°-90°)	466.6	6.0			G3/500
BL	(0°-30°)	127.7	1.6	B1/500		
BM	(30°-60°)	548.0	7.0	B1/1000		
BH	(60°-80°)	557.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	129.9	1.7			G2/225
UL	(90°-100°)	173.1	2.2		U3/500	
UH	(100°-180°)	119.8	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8
2.5°	255.7	257.5	259.3	258.4	257.5	254.8	250.2	245.6	241.1	241.1	237.4
5°	292.2	291.3	290.4	291.3	286.7	280.3	273.0	264.8	258.4	256.6	247.4
7.5°	334.2	332.4	334.2	328.7	322.3	314.1	303.1	292.2	281.2	279.4	264.8
10°	384.4	382.6	381.7	377.1	365.2	353.4	342.4	325.1	316.8	314.1	294.9
12.5°	447.4	446.5	441.0	431.9	416.4	404.5	389.0	379.8	371.6	365.2	346.1
15°	519.6	521.4	515.0	495.8	476.6	458.4	451.1	443.8	437.4	434.6	418.2
17.5°	620.9	617.3	602.6	573.4	542.4	527.8	521.4	516.8	523.2	521.4	495.8
20°	746.0	736.9	714.0	663.8	625.5	601.7	596.3	604.5	608.1	617.3	599.9
22.5°	893.0	881.1	842.8	786.2	730.5	685.7	680.3	704.9	727.7	730.5	723.2
25°	1036.4	1025.4	991.6	917.7	842.8	783.4	770.7	825.4	871.1	879.3	889.4
27.5°	1183.4	1177.9	1128.6	1048.2	966.1	891.2	889.4	948.7	1019.9	1039.1	1056.5
30°	1350.5	1363.3	1301.2	1199.8	1096.6	1009.9	1005.3	1093.0	1180.6	1221.7	1250.9
32.5°	1586.1	1575.1	1497.5	1384.3	1230.9	1129.5	1135.9	1238.2	1386.1	1420.8	1459.1
35°	1856.3	1860.0	1754.1	1577.8	1397.0	1271.9	1267.4	1409.8	1581.5	1610.7	1674.6
37.5°	2078.2	2096.5	2017.9	1815.2	1583.3	1421.7	1428.1	1587.9	1768.7	1827.1	1882.8
40°	2316.5	2333.0	2241.7	2044.4	1786.0	1587.0	1596.1	1751.3	1923.9	1971.4	1985.1
42.5°	2576.8	2593.2	2482.7	2249.0	1956.8	1786.0	1750.4	1869.1	2019.8	2079.1	2091.0
45°	2820.6	2848.9	2737.5	2462.6	2147.6	1965.0	1911.1	2007.0	2204.2	2259.0	2271.8
47.5°	2895.4	2929.2	2880.8	2656.2	2330.2	2119.3	2083.7	2217.0	2429.8	2511.0	2494.6
50°	2967.6	2998.6	2969.4	2770.3	2481.8	2298.3	2306.5	2461.7	2702.8	2806.9	2794.1
52.5°	2978.5	3010.5	2980.4	2840.6	2611.5	2479.1	2570.4	2753.9	2993.1	3068.9	3050.7
55°	2996.8	3017.8	2990.4	2832.4	2705.5	2671.7	2844.3	3053.4	3243.3	3333.7	3303.6
57.5°	2742.9	2751.2	2850.7	2808.7	2725.6	2885.4	3152.9	3341.9	3565.6	3700.8	3685.3
60°	2377.7	2395.1	2518.3	2615.1	2711.9	3037.9	3456.1	3741.9	3961.0	4049.6	3965.6
62.5°	2077.3	2096.5	2226.1	2350.3	2595.9	3105.4	3772.9	4099.8	4244.1	4324.4	4224.9
65°	1673.7	1688.3	1846.3	2090.1	2406.9	3079.0	4010.3	4472.4	4617.5	4649.5	4456.8
67.5°	1337.7	1359.6	1520.3	1780.5	2204.2	2978.5	4087.9	4740.8	4824.8	4805.6	4490.6
70°	995.3	1006.2	1202.5	1533.1	1964.1	2759.4	4014.0	4801.1	4788.3	4763.6	4331.7
72.5°	685.7	683.9	868.4	1190.7	1713.9	2509.2	3669.7	4460.5	4400.2	4336.3	3789.4
75°	442.9	467.5	582.6	865.6	1386.1	2147.6	3224.1	3873.4	3771.1	3669.7	3121.9
77.5°	298.6	315.9	409.1	620.0	1059.2	1806.1	2774.9	3326.4	3155.7	3063.4	2520.1
80°	205.4	212.8	284.0	455.6	788.0	1432.7	2272.7	2753.0	2566.7	2457.1	1955.9
82.5°	144.3	149.7	198.1	336.0	593.5	1070.2	1814.3	2290.0	2094.6	2015.2	1519.4
85°	104.1	107.7	142.4	250.2	451.1	803.5	1380.6	1781.5	1611.6	1550.4	1085.7
87.5°	77.6	81.3	107.7	185.4	347.0	610.9	1030.0	1275.6	1093.0	1013.5	685.7
90°	57.5	61.2	83.1	138.8	271.2	460.2	746.0	872.0	709.5	642.8	437.4
92.5°	42.9	45.7	62.1	101.4	207.3	352.5	525.9	551.5	420.0	382.6	275.8
95°	32.0	33.8	46.6	74.0	147.9	256.6	344.2	322.3	247.4	224.6	174.4
97.5°	26.5	27.4	36.5	56.6	104.1	179.9	221.0	198.1	159.8	148.8	120.5
100°	21.9	22.8	29.2	42.9	75.8	123.3	146.1	128.7	111.4	106.8	94.0
102.5°	19.2	20.1	24.7	35.6	56.6	88.6	101.4	92.2	82.2	78.5	73.0
105°	17.3	17.3	21.9	30.1	46.6	66.7	74.0	67.6	61.2	59.4	58.4
107.5°	15.5	15.5	19.2	26.5	38.4	52.0	55.7	50.2	44.7	43.8	46.6
110°	14.6	14.6	17.3	23.7	32.9	42.9	43.8	37.4	33.8	33.8	37.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.7	13.7	16.4	21.0	29.2	35.6	34.7	29.2	26.5	26.5	31.0
115°	13.7	13.7	15.5	20.1	25.6	30.1	28.3	23.7	21.9	21.9	26.5
117.5°	13.7	14.6	15.5	19.2	23.7	26.5	24.7	20.1	19.2	19.2	23.7
120°	14.6	14.6	15.5	19.2	21.9	22.8	21.0	17.3	16.4	17.3	21.9
122.5°	14.6	14.6	16.4	19.2	21.0	21.0	18.3	15.5	15.5	15.5	20.1
125°	15.5	15.5	16.4	19.2	20.1	19.2	16.4	14.6	14.6	15.5	18.3
127.5°	16.4	16.4	17.3	19.2	19.2	17.3	15.5	13.7	13.7	14.6	18.3
130°	18.3	18.3	18.3	19.2	17.3	15.5	13.7	12.8	13.7	14.6	18.3
132.5°	18.3	18.3	18.3	18.3	16.4	13.7	12.8	11.9	13.7	14.6	17.3
135°	16.4	16.4	16.4	16.4	14.6	11.9	11.0	11.0	12.8	13.7	16.4
137.5°	14.6	14.6	14.6	13.7	12.8	11.0	9.1	9.1	11.0	11.9	14.6
140°	12.8	12.8	11.9	11.9	11.0	9.1	8.2	8.2	9.1	10.0	11.9
142.5°	10.0	10.0	10.0	10.0	9.1	7.3	6.4	6.4	8.2	9.1	10.0
145°	8.2	8.2	8.2	8.2	7.3	6.4	5.5	5.5	6.4	7.3	8.2
147.5°	6.4	6.4	7.3	7.3	6.4	5.5	3.7	4.6	5.5	5.5	6.4
150°	5.5	5.5	5.5	6.4	4.6	3.7	2.7	3.7	4.6	4.6	5.5
152.5°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	3.7	3.7	4.6	4.6
155°	2.7	2.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7	4.6
157.5°	1.8	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	3.7
160°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8
2.5°	234.7	232.8	229.2	225.5	221.9	218.2	217.3	215.5	214.6	213.7	214.6
5°	243.8	238.3	230.1	221.9	214.6	208.2	203.6	199.1	195.4	193.6	193.6
7.5°	260.2	251.1	237.4	223.7	210.9	200.0	192.7	186.3	181.7	179.9	179.0
10°	285.8	274.8	254.8	232.8	213.7	197.2	186.3	179.0	174.4	171.7	171.7
12.5°	330.5	317.8	285.8	252.0	221.0	198.1	183.5	176.2	171.7	170.7	171.7
15°	400.8	380.8	334.2	285.8	238.3	200.0	181.7	179.0	180.8	181.7	181.7
17.5°	483.0	455.6	396.3	323.2	257.5	208.2	189.0	187.2	189.9	192.7	194.5
20°	575.3	539.6	453.8	358.8	270.3	220.1	196.3	192.7	199.1	204.5	203.6
22.5°	692.1	649.2	526.9	386.2	279.4	222.8	199.1	195.4	206.4	212.8	214.6
25°	845.5	784.4	612.7	415.5	284.9	219.1	197.2	198.1	214.6	227.4	230.1
27.5°	1012.6	924.1	692.1	439.2	284.9	210.0	194.5	205.4	228.3	244.7	246.5
30°	1195.2	1072.0	761.5	457.5	276.7	200.9	191.8	209.1	231.9	249.3	251.1
32.5°	1389.7	1225.4	833.7	463.9	264.8	193.6	189.0	206.4	225.5	241.1	244.7
35°	1562.3	1362.3	862.0	454.7	248.4	188.1	182.6	197.2	216.4	235.6	236.5
37.5°	1742.2	1492.9	874.7	429.2	231.9	182.6	177.1	190.8	213.7	236.5	239.2
40°	1818.9	1526.7	838.2	393.5	216.4	179.0	174.4	189.9	214.6	237.4	241.1
42.5°	1897.4	1559.6	793.5	342.4	206.4	178.1	177.1	189.9	210.0	228.3	231.0
45°	2031.6	1632.6	773.4	307.7	200.9	180.8	179.9	187.2	201.8	218.2	223.7
47.5°	2223.4	1743.1	763.3	285.8	200.9	185.4	182.6	184.4	193.6	208.2	212.8
50°	2469.0	1896.5	776.1	273.9	205.4	191.8	186.3	183.5	187.2	202.7	208.2
52.5°	2675.4	2043.5	791.7	272.1	212.8	200.0	191.8	183.5	186.3	204.5	210.9
55°	2891.8	2183.2	809.0	276.7	221.9	206.4	195.4	185.4	187.2	204.5	211.8
57.5°	3205.9	2420.6	853.7	286.7	231.0	213.7	200.0	188.1	186.3	200.0	205.4
60°	3492.6	2647.1	920.4	305.9	242.0	221.0	204.5	189.9	185.4	194.5	198.1
62.5°	3666.1	2769.4	946.0	324.1	252.9	227.4	206.4	189.9	188.1	196.3	199.1
65°	3845.1	2886.3	956.0	338.8	259.3	231.0	206.4	191.8	191.8	197.2	198.1
67.5°	3838.7	2860.7	932.3	346.1	264.8	232.8	206.4	191.8	193.6	199.1	200.0
70°	3670.7	2713.7	872.9	345.2	263.9	230.1	202.7	190.8	198.1	204.5	205.4
72.5°	3177.6	2333.0	777.0	334.2	255.7	222.8	197.2	189.0	200.0	209.1	209.1
75°	2606.9	1900.2	641.9	313.2	245.6	213.7	189.0	182.6	196.3	209.1	209.1
77.5°	2053.6	1487.4	520.5	285.8	231.0	202.7	179.0	171.7	187.2	199.1	198.1
80°	1595.2	1127.7	418.2	258.4	214.6	190.8	167.1	158.9	172.6	180.8	179.0
82.5°	1223.6	868.4	345.2	232.8	198.1	177.1	155.2	147.9	160.7	166.2	164.4
85°	835.5	621.8	283.1	204.5	177.1	160.7	143.4	137.9	152.5	158.9	157.1
87.5°	551.5	427.3	236.5	179.9	156.1	144.3	129.7	127.8	144.3	150.7	149.7
90°	364.3	298.6	200.9	156.1	136.1	126.0	116.9	116.9	131.5	137.0	133.3
92.5°	240.1	211.8	158.9	132.4	116.0	109.6	104.1	103.2	116.0	117.8	115.1
95°	163.4	148.8	124.2	109.6	97.7	94.0	89.5	91.3	99.5	97.7	95.0
97.5°	116.9	113.2	100.4	89.5	81.3	80.4	78.5	79.4	84.0	80.4	78.5
100°	93.1	90.4	83.1	74.9	69.4	68.5	67.6	68.5	71.2	67.6	65.7
102.5°	74.9	74.9	69.4	63.0	58.4	59.4	59.4	59.4	60.3	54.8	54.8
105°	60.3	60.3	58.4	53.0	50.2	50.2	51.1	51.1	51.1	47.5	47.5
107.5°	48.4	50.2	49.3	44.7	42.9	43.8	43.8	42.9	42.9	41.1	41.1
110°	39.3	41.1	41.1	38.4	37.4	38.4	37.4	36.5	35.6	35.6	35.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.9	34.7	35.6	33.8	32.9	32.9	32.0	31.0	31.0	32.0	32.0
115°	28.3	30.1	31.0	29.2	29.2	29.2	27.4	26.5	26.5	28.3	28.3
117.5°	25.6	26.5	27.4	26.5	25.6	25.6	24.7	22.8	22.8	24.7	25.6
120°	22.8	23.7	24.7	23.7	22.8	21.9	21.0	20.1	20.1	22.8	22.8
122.5°	21.0	21.9	21.9	21.0	20.1	20.1	19.2	18.3	18.3	20.1	21.0
125°	20.1	20.1	20.1	19.2	18.3	17.3	16.4	16.4	16.4	18.3	18.3
127.5°	19.2	19.2	18.3	17.3	16.4	15.5	15.5	14.6	14.6	16.4	17.3
130°	19.2	19.2	17.3	16.4	15.5	13.7	13.7	12.8	13.7	15.5	15.5
132.5°	18.3	18.3	16.4	15.5	13.7	12.8	11.9	11.9	11.9	13.7	14.6
135°	17.3	16.4	14.6	13.7	11.9	11.0	11.0	11.0	11.0	12.8	12.8
137.5°	15.5	14.6	12.8	11.9	11.0	10.0	9.1	9.1	10.0	11.0	11.9
140°	12.8	12.8	11.0	10.0	9.1	8.2	8.2	8.2	9.1	10.0	10.0
142.5°	11.0	11.0	9.1	8.2	7.3	6.4	7.3	7.3	8.2	9.1	9.1
145°	9.1	8.2	8.2	6.4	6.4	5.5	5.5	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	6.4	5.5	4.6	4.6	4.6	5.5	6.4	6.4	7.3
150°	6.4	6.4	5.5	5.5	3.7	2.7	3.7	5.5	5.5	5.5	5.5
152.5°	5.5	5.5	5.5	4.6	3.7	1.8	2.7	4.6	4.6	4.6	4.6
155°	4.6	4.6	4.6	3.7	2.7	0.9	2.7	3.7	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	1.8	0.9	1.8	2.7	2.7	2.7	3.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7	2.7
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	1.8	1.8	1.8
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)