

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: P417107

Luminaire Tested: **LXF.LXT-PA1-90-730-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417107  
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-PA1-90-730-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 8375 lumens  
Efficiency: N/A  
Efficacy: 89.1 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 - G4

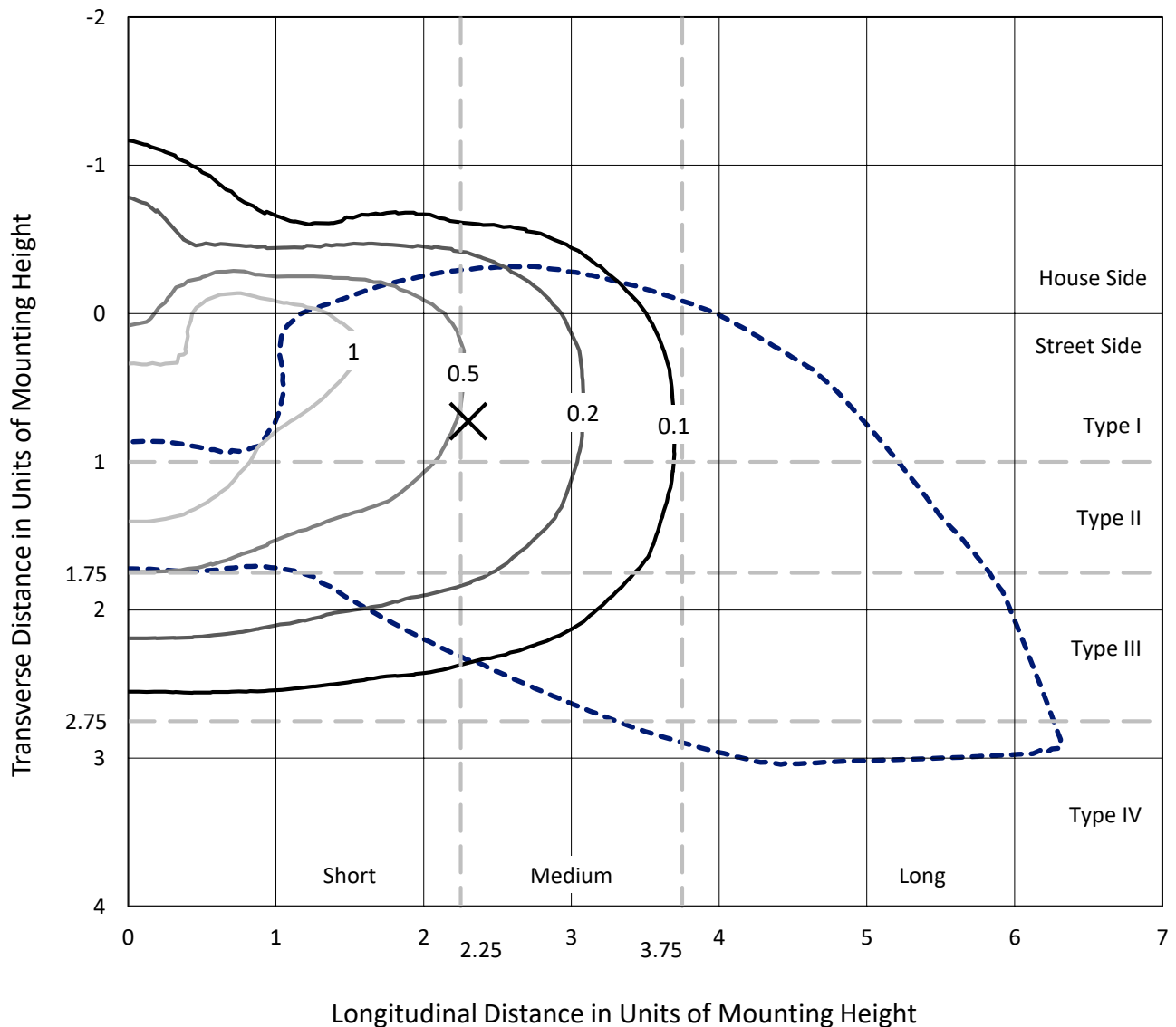
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

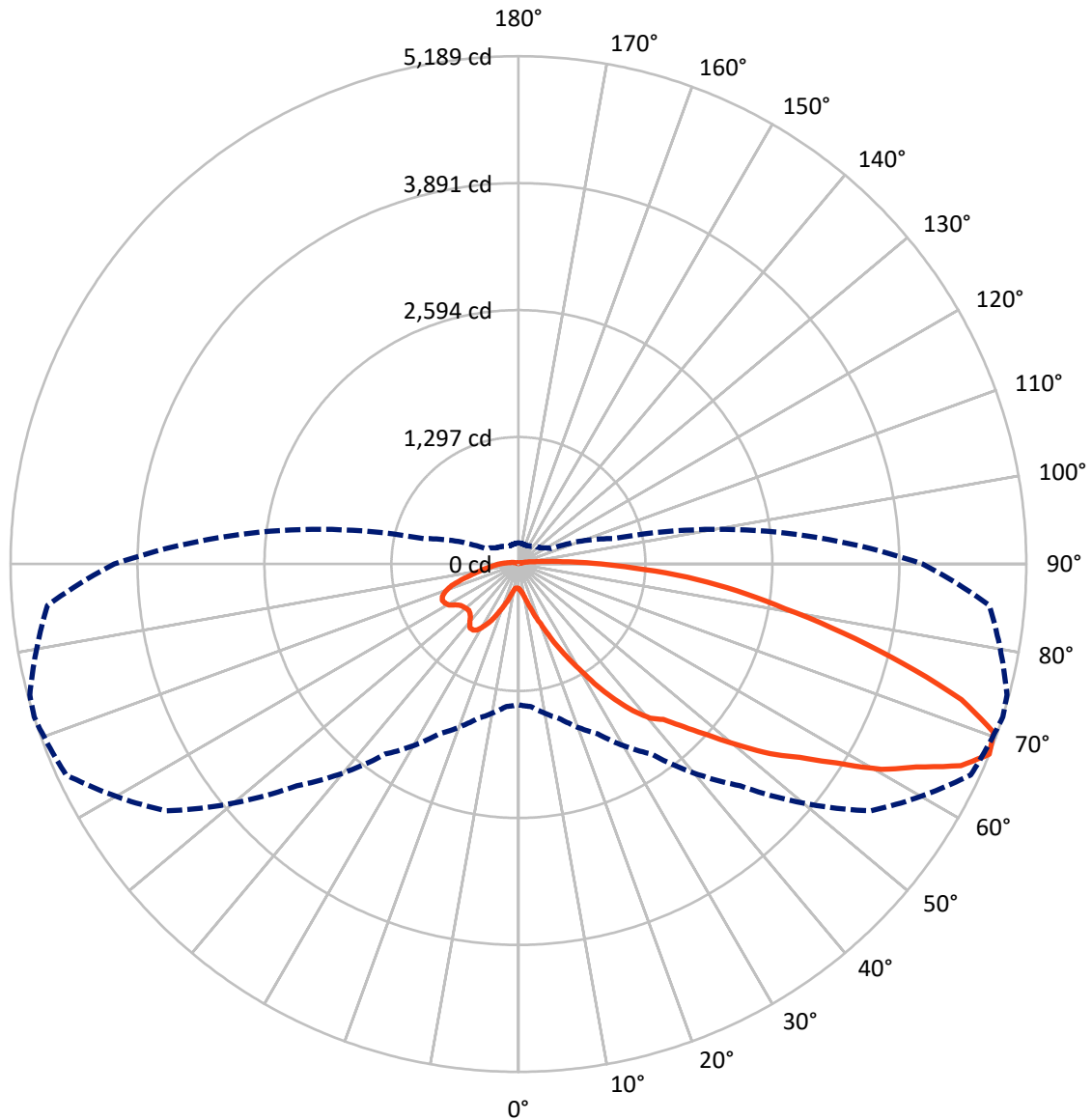
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	1465.4	128.8	1594.2
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	6598.7	182.1	6780.8
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	8064.1	310.9	8375.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	0.3
10°-20°	113.1	1.3
20°-30°	313.2	3.7
30°-40°	673.5	8.0
40°-50°	1139.9	13.6
50°-60°	1672.5	20.0
60°-70°	1994.6	23.8
70°-80°	1489.6	17.8
80°-90°	641.5	7.7
90°-100°	186.1	2.2
100°-110°	60.6	0.7
110°-120°	28.4	0.3
120°-130°	17.3	0.2
130°-140°	11.1	0.1
140°-150°	4.9	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	8064.1	96.3
0°-180°	8375.0	100.0

**Coefficient of Utilization**



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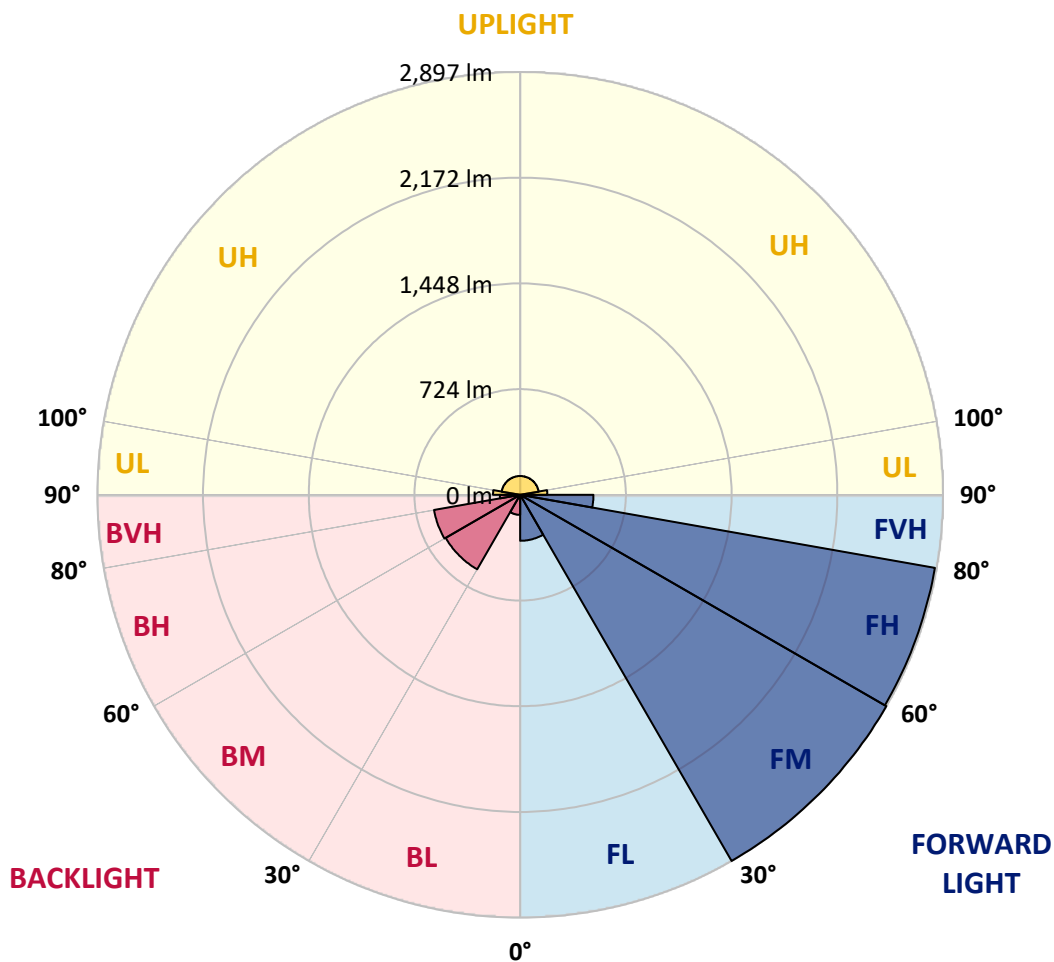
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.2	3.8			
FM	(30°-60°)	2896.6	34.6			
FH	(60°-80°)	2885.1	34.4			G2/5000
FVH	(80°-90°)	501.8	6.0			G4/750
BL	(0°-30°)	137.3	1.6	B1/500		
BM	(30°-60°)	589.3	7.0	B1/1000		
BH	(60°-80°)	599.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	139.7	1.7			G2/225
UL	(90°-100°)	186.1	2.2		U3/500	
UH	(100°-180°)	128.8	1.5		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°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	274.9	276.9	278.9	277.9	276.9	274.0	269.0	264.1	259.2	259.2	255.3
5°	314.2	313.2	312.3	313.2	308.3	301.4	293.6	284.8	277.9	275.9	266.1
7.5°	359.4	357.4	359.4	353.5	346.6	337.8	326.0	314.2	302.4	300.5	284.8
10°	413.4	411.4	410.4	405.5	392.8	380.0	368.2	349.6	340.7	337.8	317.2
12.5°	481.1	480.2	474.3	464.4	447.8	435.0	418.3	408.5	399.6	392.8	372.1
15°	558.7	560.7	553.8	533.2	512.6	492.9	485.1	477.2	470.3	467.4	449.7
17.5°	667.7	663.8	648.1	616.6	583.3	567.5	560.7	555.8	562.6	560.7	533.2
20°	802.2	792.4	767.9	713.9	672.6	647.1	641.2	650.0	654.0	663.8	645.1
22.5°	960.3	947.6	906.3	845.4	785.5	737.4	731.5	758.0	782.6	785.5	777.7
25°	1114.5	1102.7	1066.4	986.8	906.3	842.5	828.7	887.7	936.8	945.6	956.4
27.5°	1272.6	1266.7	1213.7	1127.2	1038.9	958.4	956.4	1020.2	1096.8	1117.4	1136.1
30°	1452.3	1466.0	1399.2	1290.2	1179.3	1086.0	1081.1	1175.4	1269.6	1313.8	1345.2
32.5°	1705.6	1693.8	1610.3	1488.6	1323.6	1214.6	1221.5	1331.5	1490.6	1527.9	1569.1
35°	1996.2	2000.2	1886.3	1696.8	1502.3	1367.8	1362.9	1516.1	1700.7	1732.1	1800.8
37.5°	2234.9	2254.5	2170.0	1952.1	1702.6	1528.8	1535.7	1707.6	1902.0	1964.8	2024.7
40°	2491.1	2508.8	2410.6	2198.5	1920.6	1706.6	1716.4	1883.3	2068.9	2120.0	2134.7
42.5°	2771.0	2788.7	2669.8	2418.5	2104.3	1920.6	1882.3	2010.0	2172.0	2235.8	2248.6
45°	3033.2	3063.6	2943.8	2648.2	2309.5	2113.1	2055.2	2158.3	2370.4	2429.3	2443.0
47.5°	3113.7	3150.0	3098.0	2856.4	2505.9	2279.0	2240.7	2384.1	2612.9	2700.3	2682.6
50°	3191.2	3224.6	3193.2	2979.1	2668.9	2471.5	2480.3	2647.3	2906.5	3018.4	3004.7
52.5°	3203.0	3237.4	3205.0	3054.8	2808.3	2665.9	2764.1	2961.5	3218.7	3300.2	3280.6
55°	3222.7	3245.2	3215.8	3045.9	2909.4	2873.1	3058.7	3283.5	3487.8	3585.0	3552.6
57.5°	2949.7	2958.5	3065.6	3020.4	2931.0	3102.9	3390.6	3593.8	3834.4	3979.7	3963.0
60°	2556.9	2575.6	2708.1	2812.2	2916.3	3266.8	3716.6	4023.9	4259.6	4354.8	4264.5
62.5°	2233.9	2254.5	2393.9	2527.5	2791.6	3339.5	4057.3	4408.8	4564.0	4650.4	4543.3
65°	1799.9	1815.6	1985.4	2247.6	2588.3	3311.0	4312.6	4809.4	4965.6	4999.9	4792.8
67.5°	1438.5	1462.1	1634.9	1914.7	2370.4	3203.0	4396.1	5098.1	5188.5	5167.8	4829.1
70°	1070.3	1082.1	1293.2	1648.6	2112.1	2967.4	4316.5	5162.9	5149.2	5122.7	4658.2
72.5°	737.4	735.5	933.8	1280.4	1843.1	2698.3	3946.3	4796.7	4731.9	4663.1	4075.0
75°	476.2	502.7	626.5	930.9	1490.6	2309.5	3467.2	4165.3	4055.3	3946.3	3357.2
77.5°	321.1	339.7	439.9	666.7	1139.0	1942.2	2984.1	3577.1	3393.5	3294.3	2710.1
80°	220.9	228.8	305.4	490.0	847.4	1540.6	2444.0	2960.5	2760.2	2642.3	2103.3
82.5°	155.1	161.0	213.1	361.3	638.2	1150.8	1951.1	2462.7	2252.5	2167.1	1633.9
85°	111.9	115.9	153.2	269.0	485.1	864.1	1484.7	1915.7	1733.1	1667.3	1167.5
87.5°	83.5	87.4	115.9	199.3	373.1	656.9	1107.6	1371.7	1175.4	1089.9	737.4
90°	61.9	65.8	89.4	149.3	291.6	494.9	802.2	937.7	763.0	691.3	470.3
92.5°	46.2	49.1	66.8	109.0	222.9	379.0	565.6	593.1	451.7	411.4	296.5
95°	34.4	36.3	50.1	79.5	159.1	275.9	370.2	346.6	266.1	241.6	187.5
97.5°	28.5	29.5	39.3	60.9	111.9	193.4	237.6	213.1	171.8	160.1	129.6
100°	23.6	24.5	31.4	46.2	81.5	132.6	157.1	138.5	119.8	114.9	101.1
102.5°	20.6	21.6	26.5	38.3	60.9	95.2	109.0	99.2	88.4	84.4	78.6
105°	18.7	18.7	23.6	32.4	50.1	71.7	79.5	72.7	65.8	63.8	62.8
107.5°	16.7	16.7	20.6	28.5	41.2	56.0	59.9	54.0	48.1	47.1	50.1
110°	15.7	15.7	18.7	25.5	35.3	46.2	47.1	40.3	36.3	36.3	40.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	14.7	14.7	17.7	22.6	31.4	38.3	37.3	31.4	28.5	28.5	33.4
115°	14.7	14.7	16.7	21.6	27.5	32.4	30.4	25.5	23.6	23.6	28.5
117.5°	14.7	15.7	16.7	20.6	25.5	28.5	26.5	21.6	20.6	20.6	25.5
120°	15.7	15.7	16.7	20.6	23.6	24.5	22.6	18.7	17.7	18.7	23.6
122.5°	15.7	15.7	17.7	20.6	22.6	22.6	19.6	16.7	16.7	16.7	21.6
125°	16.7	16.7	17.7	20.6	21.6	20.6	17.7	15.7	15.7	16.7	19.6
127.5°	17.7	17.7	18.7	20.6	20.6	18.7	16.7	14.7	14.7	15.7	19.6
130°	19.6	19.6	19.6	20.6	18.7	16.7	14.7	13.7	14.7	15.7	19.6
132.5°	19.6	19.6	19.6	19.6	17.7	14.7	13.7	12.8	14.7	15.7	18.7
135°	17.7	17.7	17.7	17.7	15.7	12.8	11.8	11.8	13.7	14.7	17.7
137.5°	15.7	15.7	15.7	14.7	13.7	11.8	9.8	9.8	11.8	12.8	15.7
140°	13.7	13.7	12.8	12.8	11.8	9.8	8.8	8.8	9.8	10.8	12.8
142.5°	10.8	10.8	10.8	10.8	9.8	7.9	6.9	6.9	8.8	9.8	10.8
145°	8.8	8.8	8.8	8.8	7.9	6.9	5.9	5.9	6.9	7.9	8.8
147.5°	6.9	6.9	7.9	7.9	6.9	5.9	3.9	4.9	5.9	5.9	6.9
150°	5.9	5.9	5.9	6.9	4.9	3.9	2.9	3.9	4.9	4.9	5.9
152.5°	4.9	4.9	4.9	4.9	3.9	2.0	2.9	3.9	3.9	4.9	4.9
155°	2.9	2.9	3.9	3.9	2.9	2.0	2.9	2.9	3.9	3.9	4.9
157.5°	2.0	2.0	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9	3.9
160°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
162.5°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
165°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
167.5°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
170°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
172.5°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
175°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
177.5°	0.0	1.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	252.4	250.4	246.5	242.5	238.6	234.7	233.7	231.7	230.8	229.8	230.8
5°	262.2	256.3	247.4	238.6	230.8	223.9	219.0	214.1	210.1	208.2	208.2
7.5°	279.8	270.0	255.3	240.6	226.8	215.0	207.2	200.3	195.4	193.4	192.5
10°	307.3	295.6	274.0	250.4	229.8	212.1	200.3	192.5	187.5	184.6	184.6
12.5°	355.5	341.7	307.3	271.0	237.6	213.1	197.4	189.5	184.6	183.6	184.6
15°	431.1	409.5	359.4	307.3	256.3	215.0	195.4	192.5	194.4	195.4	195.4
17.5°	519.4	490.0	426.2	347.6	276.9	223.9	203.3	201.3	204.2	207.2	209.1
20°	618.6	580.3	488.0	385.9	290.6	236.6	211.1	207.2	214.1	220.0	219.0
22.5°	744.3	698.1	566.6	415.4	300.5	239.6	214.1	210.1	221.9	228.8	230.8
25°	909.3	843.5	658.9	446.8	306.4	235.7	212.1	213.1	230.8	244.5	247.4
27.5°	1088.9	993.7	744.3	472.3	306.4	225.8	209.1	220.9	245.5	263.2	265.1
30°	1285.3	1152.8	818.9	491.9	297.5	216.0	206.2	224.9	249.4	268.1	270.0
32.5°	1494.5	1317.7	896.5	498.8	284.8	208.2	203.3	221.9	242.5	259.2	263.2
35°	1680.1	1465.0	926.9	489.0	267.1	202.3	196.4	212.1	232.7	253.3	254.3
37.5°	1873.5	1605.4	940.7	461.5	249.4	196.4	190.5	205.2	229.8	254.3	257.3
40°	1956.0	1641.8	901.4	423.2	232.7	192.5	187.5	204.2	230.8	255.3	259.2
42.5°	2040.4	1677.1	853.3	368.2	221.9	191.5	190.5	204.2	225.8	245.5	248.4
45°	2184.8	1755.7	831.7	330.9	216.0	194.4	193.4	201.3	217.0	234.7	240.6
47.5°	2391.0	1874.5	820.9	307.3	216.0	199.3	196.4	198.3	208.2	223.9	228.8
50°	2655.1	2039.4	834.6	294.6	220.9	206.2	200.3	197.4	201.3	218.0	223.9
52.5°	2877.0	2197.5	851.3	292.6	228.8	215.0	206.2	197.4	200.3	220.0	226.8
55°	3109.7	2347.8	870.0	297.5	238.6	221.9	210.1	199.3	201.3	220.0	227.8
57.5°	3447.5	2603.1	918.1	308.3	248.4	229.8	215.0	202.3	200.3	215.0	220.9
60°	3755.8	2846.6	989.8	328.9	260.2	237.6	220.0	204.2	199.3	209.1	213.1
62.5°	3942.4	2978.2	1017.3	348.6	272.0	244.5	221.9	204.2	202.3	211.1	214.1
65°	4134.9	3103.8	1028.1	364.3	278.9	248.4	221.9	206.2	206.2	212.1	213.1
67.5°	4128.0	3076.4	1002.5	372.1	284.8	250.4	221.9	206.2	208.2	214.1	215.0
70°	3947.3	2918.3	938.7	371.2	283.8	247.4	218.0	205.2	213.1	220.0	220.9
72.5°	3417.1	2508.8	835.6	359.4	274.9	239.6	212.1	203.3	215.0	224.9	224.9
75°	2803.4	2043.4	690.3	336.8	264.1	229.8	203.3	196.4	211.1	224.9	224.9
77.5°	2208.3	1599.5	559.7	307.3	248.4	218.0	192.5	184.6	201.3	214.1	213.1
80°	1715.4	1212.7	449.7	277.9	230.8	205.2	179.7	170.9	185.6	194.4	192.5
82.5°	1315.8	933.8	371.2	250.4	213.1	190.5	166.9	159.1	172.8	178.7	176.7
85°	898.5	668.7	304.4	220.0	190.5	172.8	154.2	148.3	164.0	170.9	168.9
87.5°	593.1	459.5	254.3	193.4	167.9	155.1	139.4	137.5	155.1	162.0	161.0
90°	391.8	321.1	216.0	167.9	146.3	135.5	125.7	125.7	141.4	147.3	143.4
92.5°	258.2	227.8	170.9	142.4	124.7	117.8	111.9	111.0	124.7	126.7	123.7
95°	175.8	160.1	133.5	117.8	105.1	101.1	96.2	98.2	107.0	105.1	102.1
97.5°	125.7	121.8	108.0	96.2	87.4	86.4	84.4	85.4	90.3	86.4	84.4
100°	100.2	97.2	89.4	80.5	74.6	73.6	72.7	73.6	76.6	72.7	70.7
102.5°	80.5	80.5	74.6	67.8	62.8	63.8	63.8	63.8	64.8	58.9	58.9
105°	64.8	64.8	62.8	57.0	54.0	54.0	55.0	55.0	55.0	51.1	51.1
107.5°	52.0	54.0	53.0	48.1	46.2	47.1	47.1	46.2	46.2	44.2	44.2
110°	42.2	44.2	44.2	41.2	40.3	41.2	40.3	39.3	38.3	38.3	38.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	35.3	37.3	38.3	36.3	35.3	35.3	34.4	33.4	33.4	34.4	34.4
115°	30.4	32.4	33.4	31.4	31.4	31.4	29.5	28.5	28.5	30.4	30.4
117.5°	27.5	28.5	29.5	28.5	27.5	27.5	26.5	24.5	24.5	26.5	27.5
120°	24.5	25.5	26.5	25.5	24.5	23.6	22.6	21.6	21.6	24.5	24.5
122.5°	22.6	23.6	23.6	22.6	21.6	21.6	20.6	19.6	19.6	21.6	22.6
125°	21.6	21.6	21.6	20.6	19.6	18.7	17.7	17.7	17.7	19.6	19.6
127.5°	20.6	20.6	19.6	18.7	17.7	16.7	16.7	15.7	15.7	17.7	18.7
130°	20.6	20.6	18.7	17.7	16.7	14.7	14.7	13.7	14.7	16.7	16.7
132.5°	19.6	19.6	17.7	16.7	14.7	13.7	12.8	12.8	12.8	14.7	15.7
135°	18.7	17.7	15.7	14.7	12.8	11.8	11.8	11.8	11.8	13.7	13.7
137.5°	16.7	15.7	13.7	12.8	11.8	10.8	9.8	9.8	10.8	11.8	12.8
140°	13.7	13.7	11.8	10.8	9.8	8.8	8.8	8.8	9.8	10.8	10.8
142.5°	11.8	11.8	9.8	8.8	7.9	6.9	7.9	7.9	8.8	9.8	9.8
145°	9.8	8.8	8.8	6.9	6.9	5.9	5.9	6.9	7.9	8.8	8.8
147.5°	7.9	7.9	6.9	5.9	4.9	4.9	4.9	5.9	6.9	6.9	7.9
150°	6.9	6.9	5.9	5.9	3.9	2.9	3.9	5.9	5.9	5.9	5.9
152.5°	5.9	5.9	5.9	4.9	3.9	2.0	2.9	4.9	4.9	4.9	4.9
155°	4.9	4.9	4.9	3.9	2.9	1.0	2.9	3.9	3.9	3.9	3.9
157.5°	3.9	3.9	3.9	3.9	2.0	1.0	2.0	2.9	2.9	2.9	3.9
160°	2.9	2.9	2.9	2.9	2.0	1.0	2.0	2.9	2.9	2.9	2.9
162.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.9	2.0	2.0	2.0
165°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.0
167.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0
170°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0
172.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0
175°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0
177.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)