

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: P417108

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8601 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

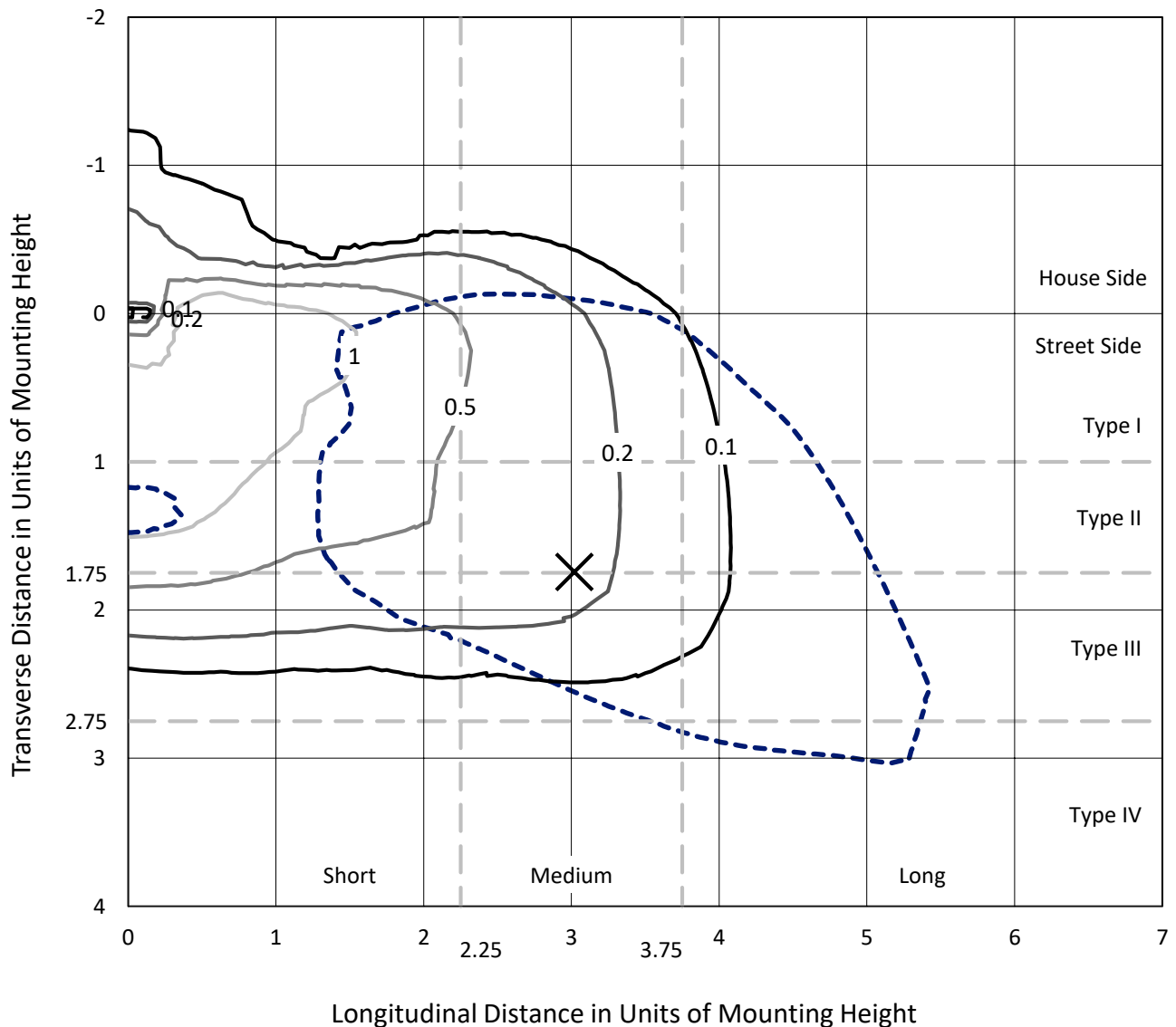
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

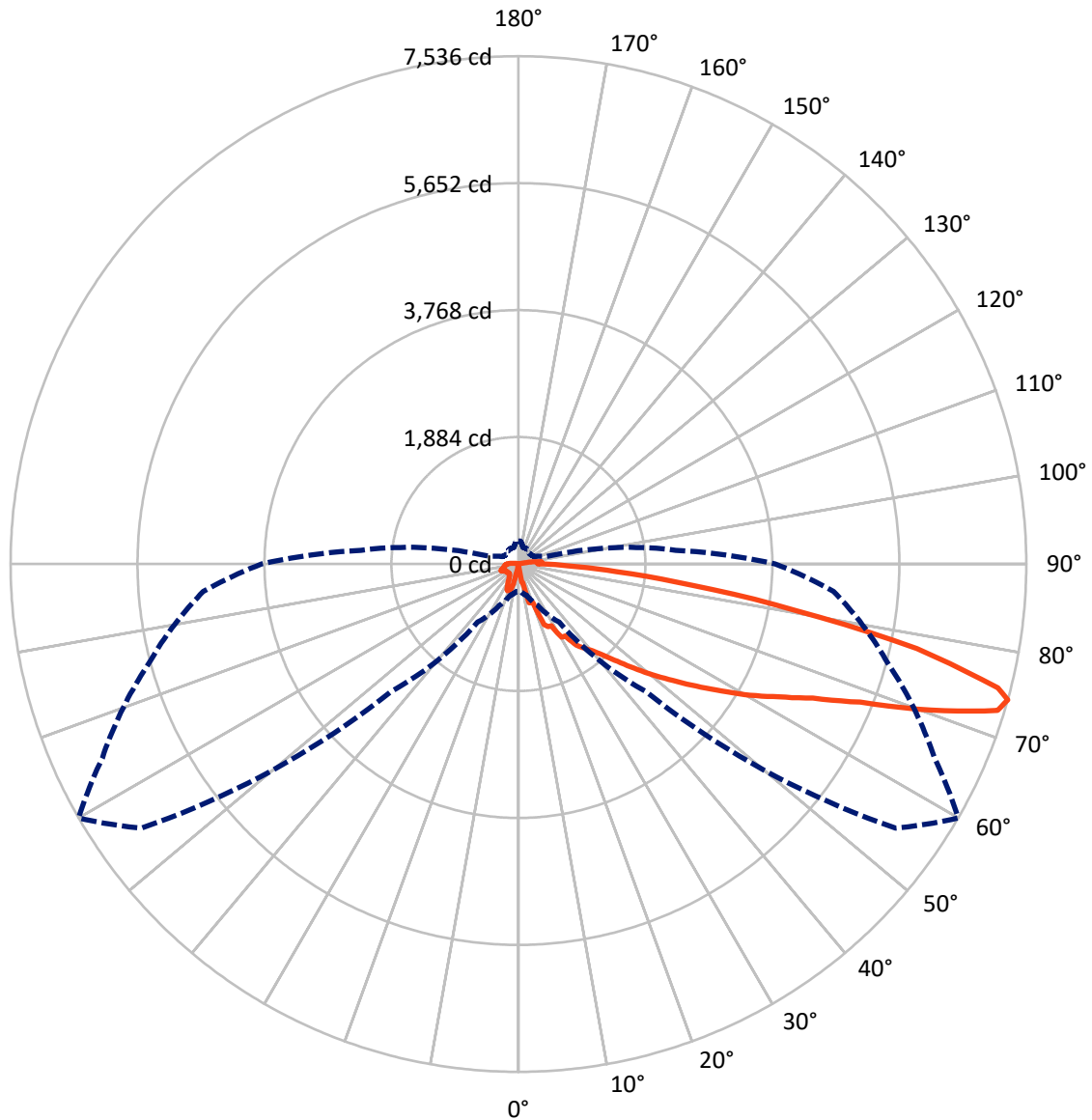
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



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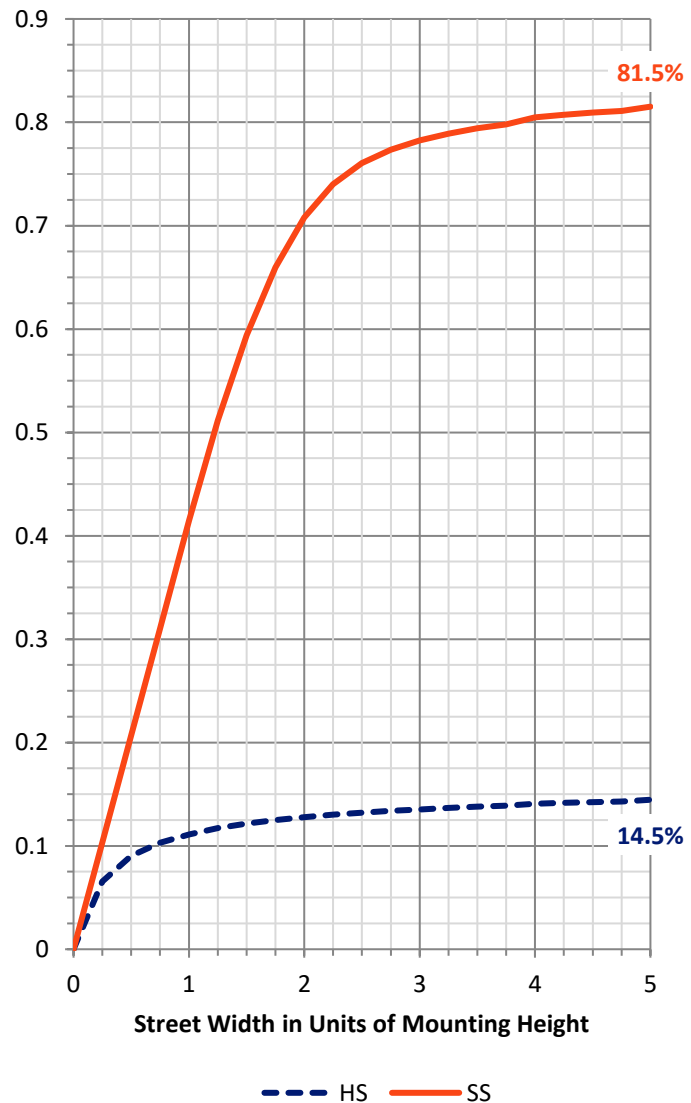
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1320.0	83.6	1403.6
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	7107.8	89.6	7197.4
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	8427.8	173.2	8601.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	109.9	1.3
20°-30°	332.6	3.9
30°-40°	665.7	7.7
40°-50°	1142.1	13.3
50°-60°	1741.0	20.2
60°-70°	2145.2	24.9
70°-80°	1793.4	20.9
80°-90°	488.4	5.7
90°-100°	126.2	1.5
100°-110°	22.6	0.3
110°-120°	8.4	0.1
120°-130°	6.3	0.1
130°-140°	4.4	0.1
140°-150°	3.6	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8427.8	98.0
0°-180°	8601.0	100.0



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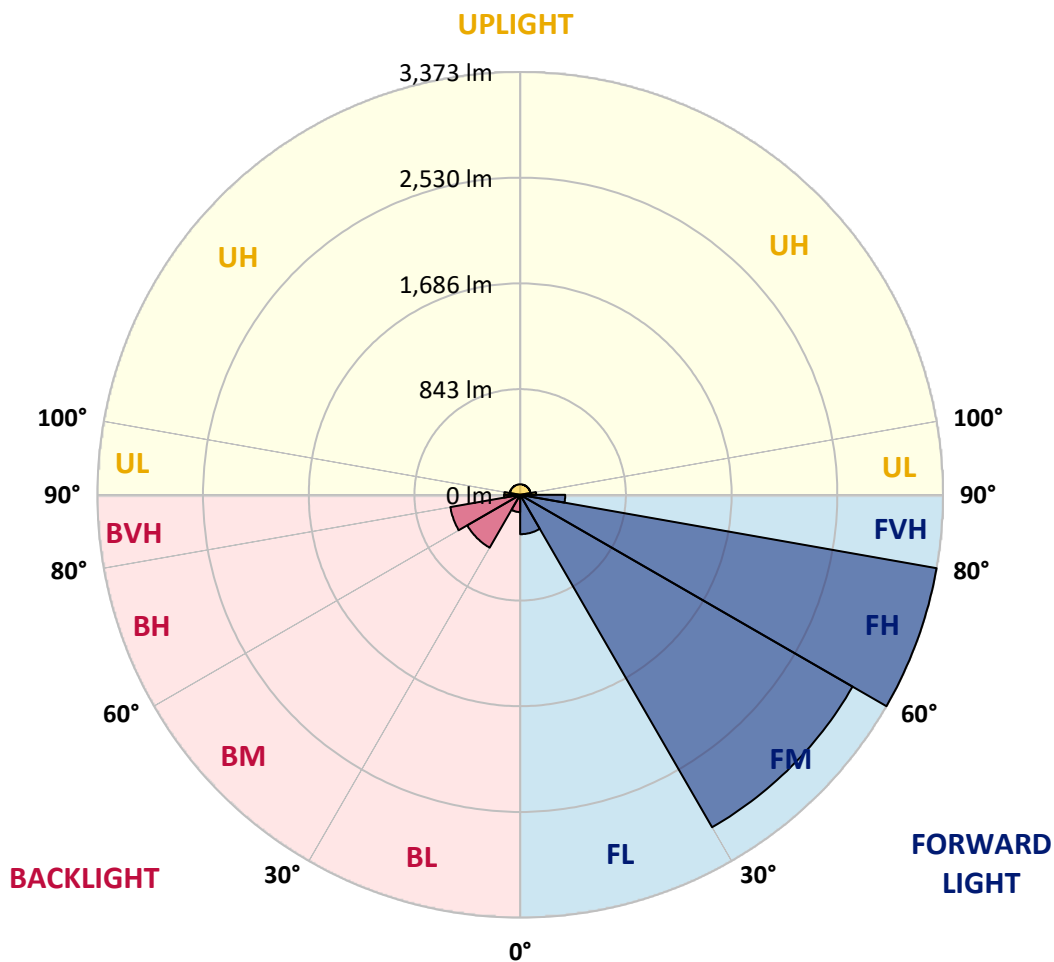
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.1	3.7			
FM (30°-60°)	3061.9	35.6			
FH (60°-80°)	3372.8	39.2			G2/5000
FVH (80°-90°)	359.0	4.2			G3/500
BL (0°-30°)	137.9	1.6	B1/500		
BM (30°-60°)	487.0	5.7	B1/1000		
BH (60°-80°)	565.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	129.4	1.5			G2/225
UL (90°-100°)	126.2	1.5		U3/500	
UH (100°-180°)	83.6	1.0		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	10.8	9.8	8.8	9.8	10.8	9.8	7.9	6.9	5.9	5.9	5.9
5°	286.7	282.8	280.8	218.9	52.0	32.4	12.8	8.8	7.9	5.9	5.9
7.5°	290.6	286.7	287.7	286.7	281.8	281.8	91.3	33.4	18.7	6.9	6.9
10°	306.3	300.4	292.6	291.6	289.6	286.7	281.8	275.9	62.8	10.8	9.8
12.5°	565.5	562.6	558.7	431.0	312.2	290.6	287.7	280.8	216.0	41.2	190.5
15°	561.6	560.6	553.8	556.7	555.7	316.2	358.4	597.9	574.4	416.3	480.1
17.5°	589.1	586.2	565.5	552.8	553.8	631.3	586.2	590.1	592.0	526.3	514.5
20°	799.2	794.3	792.3	769.8	562.6	741.3	756.0	612.7	627.4	816.9	913.1
22.5°	809.0	802.2	794.3	788.4	887.6	738.3	799.2	975.9	931.8	1081.0	1019.1
25°	1092.8	1074.1	996.6	807.1	886.6	850.3	1033.9	1029.0	974.0	1128.1	1089.8
27.5°	1183.1	1170.3	1113.4	1070.2	904.3	1018.2	1028.0	1038.8	1225.3	1556.2	1450.2
30°	1584.7	1485.5	1229.3	1202.7	1079.0	1027.0	1175.3	1259.7	1378.5	1563.1	1533.6
32.5°	1814.4	1766.3	1642.6	1453.1	1263.6	1123.2	1274.4	1274.4	1385.4	1889.1	1939.1
35°	2186.5	2031.4	1789.9	1661.3	1441.3	1344.1	1313.7	1479.6	1637.7	1984.3	1981.3
37.5°	2321.1	2306.3	2216.0	1821.3	1694.6	1462.0	1531.7	1582.7	1716.2	2121.7	2115.9
40°	2394.7	2427.1	2434.0	2166.9	1882.2	1688.8	1664.2	1692.7	1821.3	2315.2	2240.5
42.5°	2644.1	2655.9	2692.2	2387.8	2163.0	1936.2	1867.5	1855.7	1945.0	2540.0	2405.5
45°	3046.6	3052.5	3026.0	2642.1	2391.8	2181.6	2105.1	2059.9	2138.4	2762.9	2614.6
47.5°	3508.1	3521.8	3394.2	2929.8	2599.9	2418.3	2377.0	2307.3	2357.4	2964.2	2874.8
50°	3875.3	3871.4	3643.6	3162.5	2810.0	2660.8	2648.0	2583.2	2589.1	3208.6	3155.6
52.5°	3970.5	3964.7	3770.3	3334.3	3001.5	2913.1	2971.0	2870.9	2818.9	3462.0	3447.2
55°	3827.2	3838.0	3746.7	3406.0	3123.2	3135.0	3285.2	3198.8	3128.1	3701.5	3725.1
57.5°	3620.0	3607.3	3621.0	3433.5	3218.5	3352.0	3659.3	3551.3	3483.6	3972.5	3999.0
60°	3236.1	3218.5	3396.2	3404.0	3306.8	3597.4	4056.9	3951.9	3856.7	4258.2	4229.7
62.5°	2651.9	2629.4	2950.4	3223.4	3408.0	3885.1	4449.7	4335.8	4243.5	4561.6	4507.6
65°	1765.3	1872.4	2248.4	2828.7	3370.6	4299.5	4969.1	4798.2	4630.3	4872.9	4863.0
67.5°	1024.1	1100.6	1376.5	2011.8	3063.3	4653.9	5792.8	5468.8	5179.2	5225.3	5202.7
70°	635.2	658.8	778.6	1160.5	2159.1	4537.1	6705.9	6496.8	5883.2	5618.1	5255.8
72.5°	492.9	508.6	577.3	758.0	1312.7	3509.1	7139.9	7433.5	6594.0	5721.2	4994.6
74°	403.5	413.4	485.0	678.4	1053.5	2675.5	6831.6	7535.6	6812.0	5671.1	4694.2
75°	319.1	328.9	409.4	651.0	1001.5	2134.5	6375.1	7346.1	6818.9	5593.5	4331.9
77.5°	195.4	202.3	220.9	449.7	910.2	1219.4	4704.0	6047.1	6043.2	4645.1	3106.5
80°	155.1	157.1	164.9	236.6	741.3	1105.5	2978.9	4173.8	4143.3	2788.4	1591.6
82.5°	107.0	114.9	130.6	153.2	394.7	1083.0	1878.3	2593.0	2236.6	1061.4	665.7
85°	71.7	77.6	99.2	113.9	211.1	1152.7	1348.1	1459.0	1100.6	525.3	438.9
87.5°	29.5	30.4	45.2	55.0	85.4	552.8	907.2	722.6	506.6	332.8	357.4
90°	15.7	15.7	11.8	12.8	31.4	118.8	296.5	287.7	238.6	273.9	335.8
92.5°	17.7	17.7	11.8	12.8	30.4	93.3	321.1	327.9	273.9	291.6	359.4
95°	19.6	19.6	11.8	11.8	29.5	63.8	308.3	346.6	281.8	306.3	362.3
97.5°	21.6	22.6	10.8	10.8	23.6	48.1	193.4	236.6	183.6	159.1	173.8
100°	22.6	22.6	9.8	9.8	15.7	34.4	89.3	113.9	88.4	41.2	28.5
102.5°	22.6	23.6	9.8	8.8	10.8	21.6	28.5	41.2	32.4	24.5	26.5
105°	21.6	23.6	9.8	8.8	8.8	11.8	14.7	16.7	17.7	17.7	27.5
107.5°	16.7	18.7	7.9	8.8	7.9	7.9	5.9	6.9	8.8	15.7	27.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.8	11.8	5.9	7.9	6.9	7.9	4.9	5.9	7.9	11.8	22.6
112.5°	5.9	4.9	3.9	5.9	5.9	6.9	4.9	4.9	6.9	9.8	15.7
115°	3.9	4.9	2.9	3.9	4.9	4.9	3.9	4.9	5.9	9.8	16.7
117.5°	3.9	3.9	2.9	3.9	4.9	3.9	3.9	4.9	5.9	9.8	16.7
120°	4.9	3.9	2.9	3.9	3.9	2.9	3.9	4.9	4.9	9.8	16.7
122.5°	4.9	4.9	3.9	3.9	3.9	2.9	3.9	3.9	4.9	9.8	15.7
125°	5.9	4.9	3.9	3.9	3.9	2.9	3.9	3.9	4.9	8.8	14.7
127.5°	5.9	5.9	3.9	3.9	4.9	2.9	3.9	3.9	4.9	7.9	13.7
130°	5.9	5.9	4.9	3.9	4.9	3.9	3.9	3.9	4.9	6.9	11.8
132.5°	5.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	5.9	9.8
135°	6.9	5.9	4.9	4.9	5.9	3.9	3.9	3.9	3.9	4.9	6.9
137.5°	6.9	6.9	5.9	5.9	6.9	4.9	3.9	4.9	4.9	4.9	5.9
140°	7.9	7.9	7.9	6.9	6.9	4.9	4.9	4.9	4.9	5.9	5.9
142.5°	9.8	8.8	8.8	7.9	6.9	4.9	4.9	4.9	5.9	5.9	5.9
145°	10.8	10.8	9.8	8.8	6.9	4.9	4.9	5.9	5.9	6.9	6.9
147.5°	10.8	10.8	9.8	7.9	5.9	3.9	4.9	5.9	5.9	6.9	7.9
150°	10.8	9.8	8.8	6.9	4.9	2.9	3.9	4.9	5.9	6.9	7.9
152.5°	7.9	7.9	6.9	4.9	3.9	2.0	2.9	3.9	4.9	5.9	6.9
155°	4.9	4.9	3.9	2.9	2.9	2.0	2.9	3.9	3.9	4.9	5.9
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	3.9	3.9
160°	1.0	1.0	2.0	1.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9
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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	5.9	5.9	5.9	4.9	4.9	2.9	3.9	3.9	4.9	5.9	6.9
5°	5.9	6.9	5.9	4.9	4.9	3.9	4.9	4.9	4.9	6.9	6.9
7.5°	6.9	6.9	5.9	5.9	4.9	3.9	6.9	212.1	243.5	251.4	253.3
10°	8.8	8.8	7.9	6.9	5.9	228.8	252.3	252.3	250.4	252.3	252.3
12.5°	195.4	210.1	33.4	16.7	188.5	237.6	231.7	227.8	223.9	219.9	218.0
15°	475.2	460.5	422.2	317.1	292.6	218.0	200.3	277.9	296.5	301.4	300.4
17.5°	501.7	478.2	420.2	440.8	386.8	278.8	251.4	249.4	238.6	238.6	239.6
20°	943.5	889.5	573.4	430.0	335.8	337.8	215.0	191.5	200.3	213.1	220.9
22.5°	969.1	898.4	670.6	559.6	302.4	273.0	210.1	185.6	250.4	275.9	277.9
25°	1033.9	921.0	679.4	471.3	341.7	223.9	209.1	193.4	229.7	253.3	251.4
27.5°	1400.1	1242.0	863.0	434.0	270.0	211.1	197.3	185.6	228.8	267.1	266.1
30°	1398.1	1224.3	797.3	399.6	222.9	196.4	179.7	202.3	213.1	227.8	228.8
32.5°	1815.4	1556.2	871.9	331.9	197.3	169.9	177.7	184.6	193.4	230.7	238.6
35°	1824.3	1521.8	757.0	304.4	181.6	162.0	166.9	182.6	201.3	224.8	226.8
37.5°	1859.6	1504.2	628.4	251.4	186.5	164.0	173.8	191.5	186.5	218.9	222.9
40°	1924.4	1509.1	528.2	224.8	183.6	164.0	181.6	184.6	185.6	202.3	204.2
42.5°	2024.5	1535.6	443.8	213.1	180.7	177.7	175.7	176.7	169.9	203.2	207.2
45°	2166.9	1590.6	379.0	209.1	180.7	207.2	183.6	176.7	162.0	233.7	250.4
47.5°	2377.0	1698.6	340.7	210.1	181.6	198.3	181.6	171.8	168.9	273.0	284.7
50°	2614.6	1822.3	315.2	214.0	181.6	195.4	178.7	176.7	187.5	276.9	279.8
52.5°	2869.9	1987.2	306.3	218.0	195.4	198.3	203.2	202.3	180.7	221.9	221.9
55°	3129.1	2158.1	309.3	222.9	206.2	203.2	217.0	191.5	155.1	164.9	163.0
57.5°	3373.6	2357.4	329.9	219.9	199.3	201.3	218.9	179.7	155.1	164.9	168.9
60°	3638.7	2573.4	386.8	212.1	196.4	195.4	216.0	189.5	155.1	189.5	190.5
62.5°	3961.7	2870.9	510.6	219.9	212.1	201.3	217.0	209.1	177.7	181.6	185.6
65°	4343.6	3178.2	628.4	250.4	223.9	202.3	214.0	219.9	201.3	194.4	193.4
67.5°	4623.5	3253.8	633.3	290.6	239.6	213.1	216.0	239.6	219.9	223.9	221.9
70°	4552.8	3047.6	548.8	307.3	249.4	221.9	221.9	248.4	231.7	266.1	267.1
72.5°	4207.2	2646.0	463.4	284.7	236.6	224.8	246.4	257.2	246.4	320.1	316.2
74°	3810.5	2343.6	426.1	259.2	231.7	223.9	253.3	257.2	254.3	341.7	338.7
75°	3506.1	2106.0	405.5	244.5	228.8	220.9	255.3	258.2	257.2	344.6	343.6
77.5°	2423.2	1422.7	354.4	218.0	223.9	220.9	254.3	264.1	271.0	342.7	339.7
80°	1243.0	778.6	295.5	206.2	221.9	226.8	251.4	255.3	266.1	324.0	321.1
82.5°	623.5	448.7	217.0	189.5	224.8	246.4	252.3	247.4	250.4	298.5	293.6
85°	401.6	310.3	144.3	159.1	228.8	267.1	251.4	230.7	234.7	260.2	258.2
87.5°	323.0	229.7	88.4	123.7	243.5	244.5	229.7	204.2	199.3	204.2	201.3
90°	298.5	213.1	74.6	116.8	235.6	204.2	187.5	166.9	149.2	150.2	144.3
92.5°	321.1	222.9	79.5	115.9	187.5	143.3	137.5	126.7	105.1	93.3	87.4
95°	316.2	214.0	80.5	98.2	137.5	81.5	97.2	89.3	64.8	49.1	46.1
97.5°	152.2	108.0	71.7	76.6	80.5	61.9	82.5	75.6	47.1	30.4	28.5
100°	28.5	40.3	63.8	72.7	63.8	48.1	64.8	57.9	25.5	15.7	14.7
102.5°	27.5	22.6	48.1	65.8	40.3	27.5	35.3	32.4	16.7	11.8	11.8
105°	28.5	22.6	22.6	45.2	24.5	12.8	10.8	15.7	11.8	11.8	12.8
107.5°	29.5	22.6	13.7	14.7	11.8	9.8	7.9	7.9	8.8	12.8	13.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.6	19.6	12.8	11.8	10.8	9.8	7.9	6.9	8.8	13.7	14.7
112.5°	16.7	15.7	11.8	9.8	8.8	8.8	6.9	5.9	8.8	14.7	15.7
115°	16.7	15.7	9.8	8.8	6.9	7.9	6.9	5.9	8.8	16.7	17.7
117.5°	17.7	14.7	9.8	7.9	5.9	5.9	5.9	5.9	9.8	16.7	17.7
120°	17.7	14.7	9.8	6.9	5.9	4.9	5.9	5.9	9.8	16.7	18.7
122.5°	16.7	14.7	8.8	6.9	5.9	4.9	4.9	4.9	8.8	16.7	17.7
125°	15.7	13.7	8.8	6.9	5.9	3.9	4.9	4.9	8.8	15.7	17.7
127.5°	14.7	12.8	8.8	6.9	4.9	3.9	4.9	4.9	8.8	14.7	16.7
130°	12.8	11.8	7.9	5.9	4.9	3.9	4.9	4.9	8.8	13.7	15.7
132.5°	10.8	9.8	6.9	5.9	4.9	3.9	4.9	3.9	6.9	12.8	13.7
135°	7.9	7.9	6.9	4.9	4.9	2.9	3.9	3.9	5.9	9.8	10.8
137.5°	6.9	6.9	5.9	4.9	4.9	2.9	3.9	2.9	4.9	7.9	8.8
140°	6.9	6.9	5.9	4.9	3.9	2.9	2.9	2.9	3.9	6.9	6.9
142.5°	6.9	6.9	5.9	4.9	3.9	2.9	2.9	2.9	3.9	5.9	6.9
145°	6.9	6.9	6.9	5.9	3.9	2.9	2.9	2.9	3.9	5.9	5.9
147.5°	7.9	7.9	6.9	4.9	3.9	2.0	2.0	2.9	3.9	5.9	5.9
150°	7.9	7.9	6.9	4.9	3.9	2.0	1.0	2.0	2.9	4.9	5.9
152.5°	6.9	6.9	5.9	4.9	2.9	2.0	1.0	2.0	2.9	4.9	4.9
155°	5.9	5.9	4.9	3.9	2.9	1.0	0.0	1.0	2.0	3.9	3.9
157.5°	3.9	4.9	3.9	2.9	2.0	1.0	0.0	1.0	1.0	2.9	2.9
160°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0	1.0	2.0	2.0
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)