

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: P415887

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-730-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6702 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

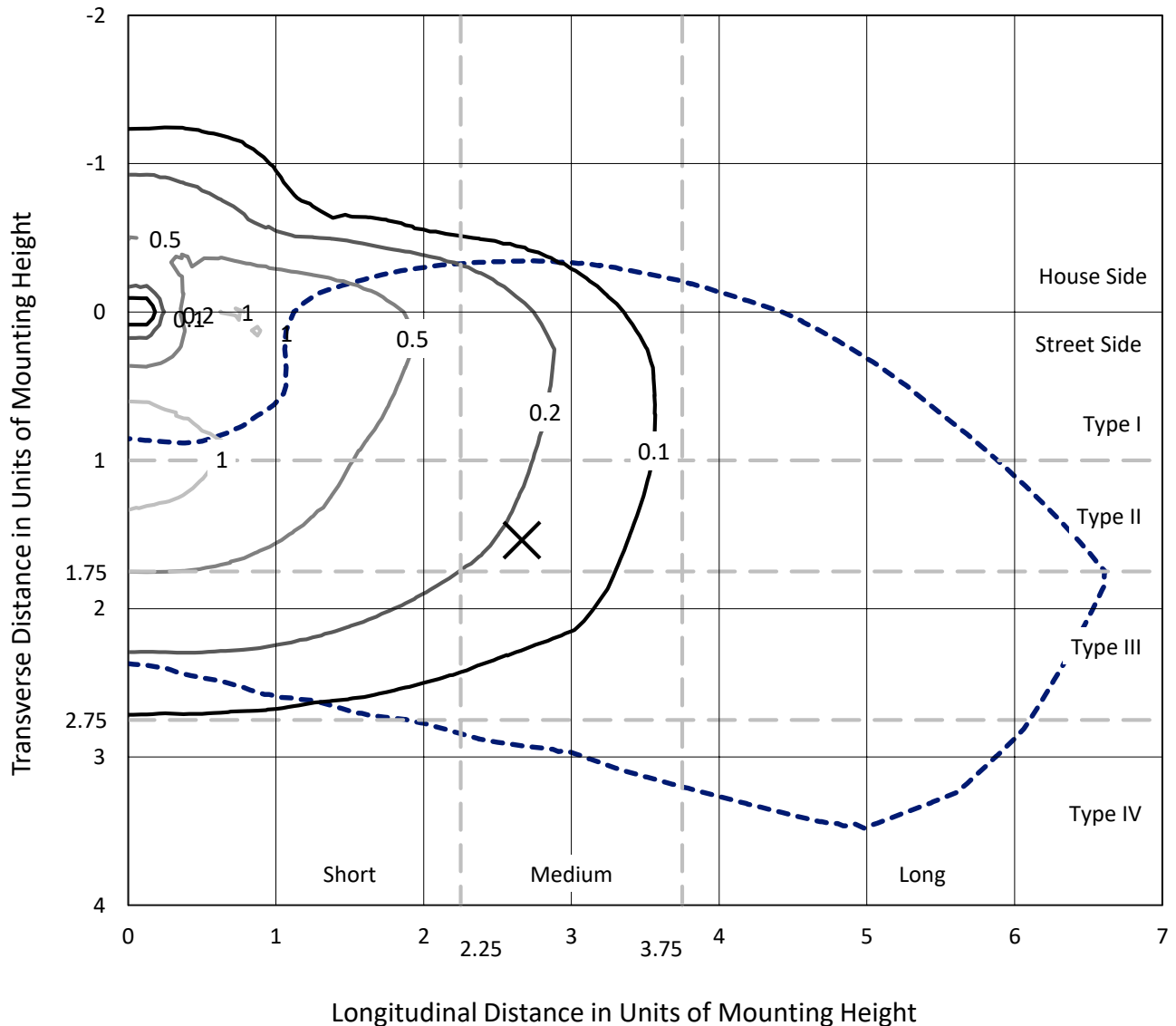
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

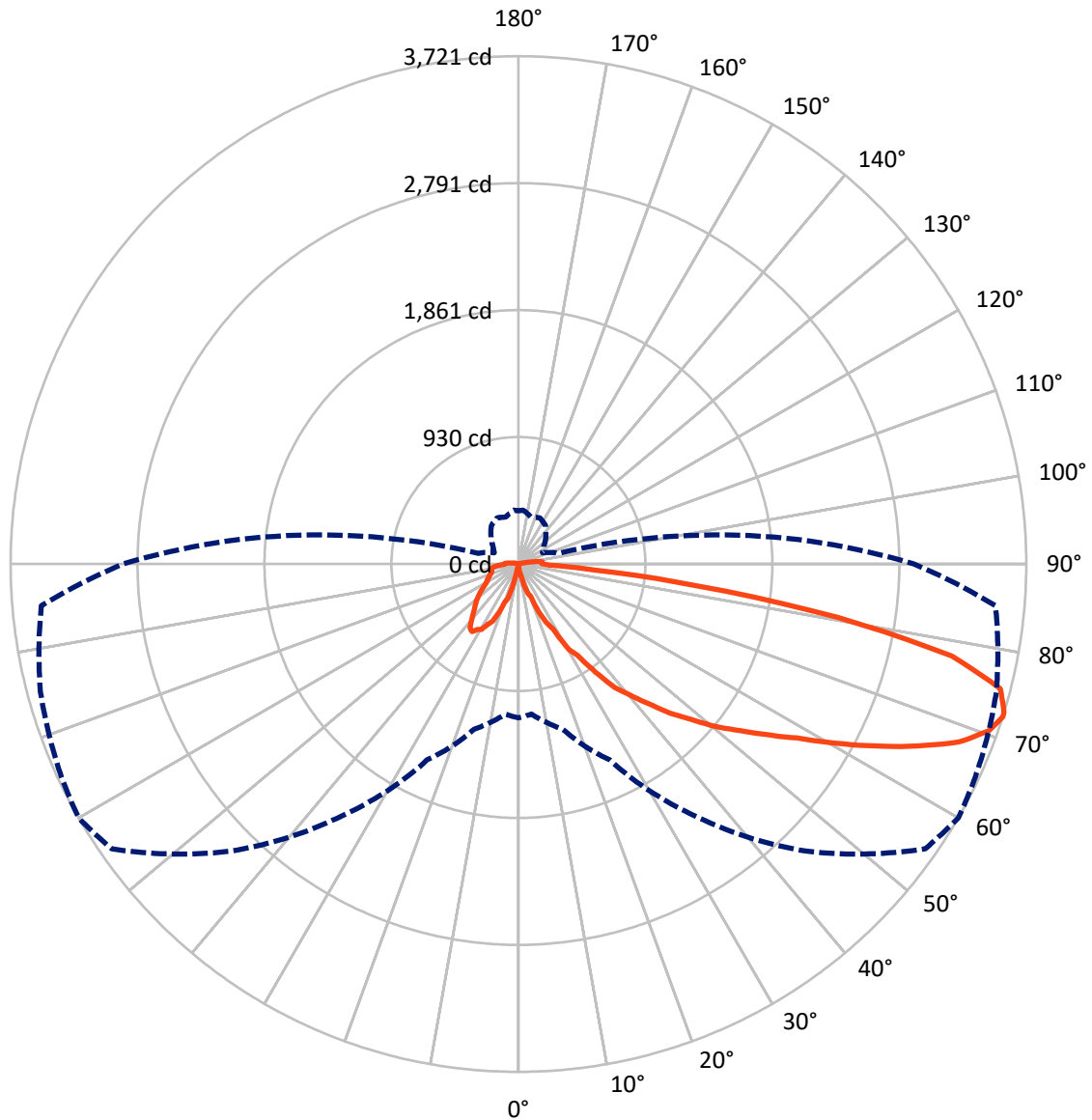
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1464.8	71.5	1536.2
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	5103.0	62.8	5165.8
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	6567.8	134.2	6702.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	54.8	0.8
20°-30°	228.5	3.4
30°-40°	527.8	7.9
40°-50°	926.9	13.8
50°-60°	1400.9	20.9
60°-70°	1727.3	25.8
70°-80°	1333.6	19.9
80°-90°	364.3	5.4
90°-100°	98.9	1.5
100°-110°	17.1	0.3
110°-120°	6.6	0.1
120°-130°	4.7	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6567.8	98.0
0°-180°	6702.0	100.0



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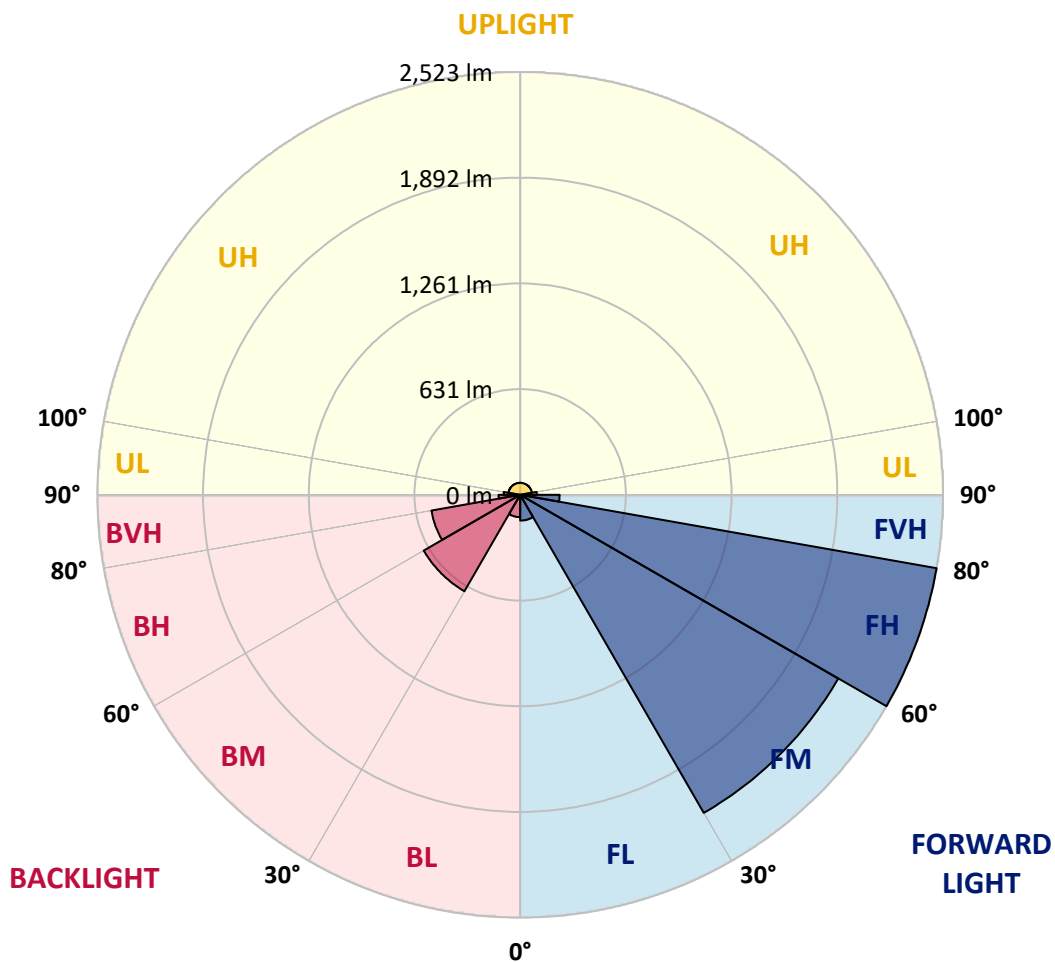
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.8	2.3			
FM	(30°-60°)	2191.3	32.7			
FH	(60°-80°)	2522.6	37.6			G2/5000
FVH	(80°-90°)	235.3	3.5			G3/500
BL	(0°-30°)	133.1	2.0	B1/500		
BM	(30°-60°)	664.3	9.9	B1/1000		
BH	(60°-80°)	538.2	8.0	B2/1000		G2/1000
BVH	(80°-90°)	129.0	1.9			G2/225
UL	(90°-100°)	98.9	1.5		U3/500	
UH	(100°-180°)	71.5	1.1		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	8.9	8.2	7.4	7.4	8.2	7.4	6.7	5.9	5.2	5.2	4.5
5°	83.2	81.0	80.2	64.6	29.7	23.0	10.4	8.2	6.7	5.2	4.5
7.5°	92.1	91.4	90.6	90.6	89.2	84.7	48.3	23.8	13.4	6.7	5.9
10°	105.5	104.0	99.6	97.3	95.1	93.6	86.9	82.5	37.1	11.1	9.7
12.5°	188.0	185.0	180.5	133.7	114.4	101.0	98.8	95.1	82.5	34.2	69.1
15°	202.1	201.3	198.4	196.1	190.2	126.3	153.0	174.6	197.6	161.2	179.8
17.5°	254.1	246.7	227.3	216.2	212.5	231.8	221.4	225.1	225.1	216.9	205.8
20°	379.6	374.4	364.8	321.7	242.2	298.7	292.7	248.9	256.3	317.2	368.5
22.5°	457.7	452.5	432.4	404.9	399.7	332.1	345.5	377.4	386.3	445.0	444.3
25°	621.1	611.4	568.4	487.4	497.8	428.7	482.2	474.7	451.7	490.3	503.7
27.5°	758.6	750.4	729.6	688.7	577.3	599.6	548.3	538.6	600.3	708.8	706.5
30°	910.1	865.5	809.8	797.2	714.7	679.8	693.2	725.1	748.2	758.6	784.6
32.5°	1104.0	1098.8	1057.2	893.0	867.0	777.1	841.0	797.2	815.0	965.1	1054.2
35°	1238.5	1251.9	1178.3	1080.3	956.9	954.7	927.9	971.8	1057.2	1078.0	1139.7
37.5°	1552.0	1555.7	1489.6	1209.5	1129.3	1052.0	1135.2	1147.1	1170.9	1206.6	1258.6
40°	1788.3	1754.9	1673.1	1465.1	1290.5	1206.6	1266.0	1264.5	1316.5	1381.9	1414.6
42.5°	2079.5	2042.4	1896.0	1660.5	1497.0	1404.2	1410.1	1397.5	1440.6	1543.9	1563.9
45°	2324.0	2307.6	2194.7	1946.5	1725.1	1613.7	1573.6	1558.0	1579.5	1709.5	1720.7
47.5°	2555.0	2511.2	2437.6	2186.5	2056.5	1853.7	1738.5	1701.4	1708.0	1855.9	1888.6
50°	2799.4	2725.9	2635.2	2414.6	2320.2	2155.3	1928.0	1870.0	1872.2	2008.9	2064.7
52.5°	2944.3	2827.7	2769.0	2586.2	2491.1	2408.6	2126.3	2026.0	2036.4	2165.7	2250.4
55°	2854.4	2819.5	2821.0	2711.8	2641.2	2544.6	2318.8	2206.6	2218.5	2370.0	2476.3
57.5°	2702.9	2729.6	2824.0	2819.5	2780.1	2685.8	2510.4	2405.7	2474.0	2601.1	2713.3
60°	2586.2	2616.7	2769.7	2848.5	2922.0	2852.9	2708.8	2663.5	2727.4	2838.1	2972.5
62.5°	2391.6	2416.1	2626.3	2834.4	2918.3	2995.6	2897.5	2938.4	2997.1	3090.7	3254.1
65°	2125.6	2119.6	2381.2	2705.1	2893.8	3075.1	3140.5	3215.5	3269.0	3369.3	3517.9
67.5°	1811.3	1841.0	2060.9	2426.5	2798.0	3115.2	3344.8	3482.2	3515.6	3554.3	3661.3
70°	1479.2	1477.7	1670.2	2058.7	2592.2	3092.9	3538.7	3657.6	3658.3	3635.3	3667.2
72°	1127.8	1104.0	1252.6	1584.0	2251.1	2973.3	3638.2	3721.4	3694.0	3625.6	3509.0
72.5°	968.1	989.6	1129.3	1491.8	2098.1	2913.9	3648.6	3720.7	3691.0	3615.9	3461.4
75°	491.1	459.9	539.4	799.4	1447.3	2354.4	3573.6	3647.9	3564.7	3471.1	3035.0
77.5°	192.4	197.6	228.8	345.5	704.3	1550.5	3084.7	3246.7	3193.2	3127.1	2393.8
80°	135.2	135.2	153.0	196.9	361.1	630.0	2137.5	2373.0	2455.5	2488.1	1601.1
82.5°	98.1	99.6	116.6	137.4	257.8	302.4	1049.8	1318.7	1448.8	1570.6	895.3
85°	91.4	91.4	93.6	92.1	184.3	215.5	381.9	563.2	650.8	763.0	361.8
87.5°	43.1	46.8	69.1	55.0	90.6	133.0	208.0	225.9	231.1	262.3	260.0
90°	28.2	28.2	23.0	23.8	44.6	107.7	167.2	170.9	164.2	192.4	242.2
92.5°	29.0	29.7	21.5	22.3	34.9	98.8	171.6	174.6	169.4	202.1	257.1
95°	26.7	26.7	18.6	19.3	27.5	75.8	171.6	174.6	159.7	201.3	257.1
97.5°	22.3	23.0	14.9	15.6	21.5	37.1	118.9	127.8	101.8	102.5	125.6
100°	19.3	19.3	11.9	12.6	15.6	17.1	60.2	63.2	56.5	25.3	17.1
102.5°	19.3	19.3	10.4	10.4	10.4	9.7	18.6	31.2	26.0	14.9	16.3
105°	18.6	19.3	9.7	8.2	8.2	7.4	9.7	11.9	11.9	11.9	17.1
107.5°	14.9	15.6	7.4	7.4	6.7	6.7	5.2	5.2	7.4	11.1	18.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.9	11.9	5.9	6.7	5.2	5.9	4.5	4.5	6.7	8.2	14.1
112.5°	6.7	6.7	4.5	5.2	4.5	5.2	4.5	4.5	5.2	6.7	8.9
115°	5.9	5.9	3.7	3.7	3.7	3.7	3.7	3.7	4.5	5.9	9.7
117.5°	5.9	5.9	3.7	3.7	3.7	3.0	3.0	3.7	3.7	5.9	9.7
120°	5.9	5.9	3.7	3.7	3.0	3.0	3.0	3.7	3.7	5.9	9.7
122.5°	6.7	5.9	3.7	3.0	3.0	3.0	3.0	3.0	3.7	5.2	9.7
125°	6.7	5.9	4.5	3.0	3.0	3.0	3.0	3.0	3.7	5.2	8.2
127.5°	6.7	6.7	4.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	7.4
130°	6.7	5.9	4.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.7
132.5°	5.9	5.9	4.5	3.0	3.7	3.0	3.0	3.0	3.0	3.7	5.2
135°	5.2	5.2	3.7	3.7	3.7	3.0	3.0	3.0	3.0	3.0	4.5
137.5°	5.2	5.2	4.5	3.7	3.7	3.7	3.0	3.0	3.0	3.0	3.7
140°	5.2	5.2	4.5	4.5	4.5	3.7	3.0	3.0	3.0	3.7	3.7
142.5°	5.9	5.9	5.2	4.5	4.5	3.7	3.0	3.0	3.7	3.7	3.7
145°	6.7	6.7	5.9	5.2	4.5	3.0	3.0	3.7	3.7	3.7	4.5
147.5°	6.7	6.7	5.9	4.5	3.7	3.0	3.0	3.7	3.7	4.5	4.5
150°	5.9	5.9	5.2	3.7	3.0	2.2	3.0	3.0	3.7	4.5	4.5
152.5°	4.5	4.5	3.7	3.0	2.2	1.5	2.2	3.0	3.0	3.7	4.5
155°	3.0	3.0	2.2	1.5	1.5	1.5	2.2	2.2	2.2	3.0	3.7
157.5°	1.5	1.5	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.2	3.0
160°	0.7	0.7	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	4.5	4.5	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.9	6.7
5°	4.5	4.5	4.5	4.5	5.2	5.9	6.7	7.4	8.2	8.9	8.9
7.5°	5.2	5.2	5.2	5.9	6.7	8.2	18.6	65.4	89.2	97.3	95.1
10°	9.7	9.7	8.9	8.9	10.4	86.9	110.7	120.4	125.6	131.5	131.5
12.5°	77.3	89.2	31.9	17.8	86.2	121.8	130.8	137.4	141.9	147.8	147.8
15°	186.5	189.5	194.7	175.3	169.4	138.2	144.1	195.4	257.1	273.4	274.9
17.5°	209.5	213.2	216.9	257.1	273.4	211.7	243.7	274.1	280.1	286.0	286.0
20°	399.7	405.7	329.1	295.0	288.3	358.8	275.6	283.1	293.5	346.2	351.4
22.5°	453.2	456.9	427.9	446.5	326.9	375.2	362.6	362.6	405.7	408.6	409.4
25°	508.2	529.0	474.0	459.1	465.1	379.6	427.9	386.3	392.3	396.7	397.5
27.5°	741.5	738.5	693.9	525.3	466.6	459.9	415.3	381.1	445.8	462.9	463.6
30°	788.3	780.8	740.7	615.2	484.4	455.4	391.5	440.6	428.7	430.9	431.7
32.5°	1084.0	1072.1	958.4	622.6	505.9	420.5	425.0	410.1	411.6	457.7	459.1
35°	1158.3	1141.9	982.2	719.9	482.2	426.5	393.0	411.6	419.0	416.8	416.8
37.5°	1257.8	1226.6	974.8	676.8	501.5	399.0	375.9	388.6	384.1	412.3	410.9
40°	1366.3	1322.5	978.5	627.8	454.7	374.4	360.3	371.5	368.5	360.3	354.4
42.5°	1504.5	1428.7	977.7	586.9	411.6	366.3	340.3	339.5	326.9	313.5	309.1
45°	1645.6	1540.9	980.7	540.1	378.9	359.6	329.1	311.3	300.2	286.0	282.3
47.5°	1800.2	1660.5	989.6	503.0	353.6	339.5	315.0	293.5	285.3	267.5	266.0
50°	1982.9	1786.1	992.6	473.3	323.9	321.7	304.6	280.8	268.2	250.4	248.9
52.5°	2179.8	1919.0	997.8	429.4	300.9	315.0	310.6	277.9	272.7	249.6	248.1
55°	2366.3	2045.3	996.3	376.7	290.5	309.1	310.6	297.2	289.0	251.1	248.1
57.5°	2590.7	2182.0	974.0	327.6	274.1	300.2	325.4	314.3	305.4	274.1	268.2
60°	2791.3	2323.2	907.9	289.8	260.0	290.5	338.0	326.9	301.6	281.6	275.6
62.5°	3026.0	2445.1	815.8	262.3	254.8	293.5	342.5	335.1	303.9	297.2	295.0
65°	3185.0	2491.1	676.1	240.0	254.1	293.5	341.0	342.5	320.2	326.9	326.2
67.5°	3204.3	2431.7	512.6	222.9	245.2	293.5	338.8	357.4	335.1	362.6	364.0
70°	3111.5	2283.1	373.7	205.8	235.5	289.8	339.5	367.0	346.2	389.3	386.3
72°	2897.5	2058.0	302.4	194.7	227.3	283.8	344.7	372.2	355.9	396.0	389.3
72.5°	2841.8	1988.9	289.0	193.2	225.9	283.1	346.2	373.7	356.6	402.7	394.5
75°	2378.2	1584.0	248.1	182.0	228.1	279.3	353.6	373.0	361.1	407.1	408.6
77.5°	1801.7	1067.6	219.9	172.4	227.3	272.7	351.4	367.0	354.4	391.5	399.7
80°	1115.2	621.1	195.4	171.6	225.9	269.7	341.8	351.4	335.8	365.5	367.8
82.5°	610.0	363.3	169.4	168.6	219.2	261.5	323.2	333.6	318.7	351.4	328.4
85°	312.0	246.7	127.0	138.2	191.7	245.9	301.6	300.9	286.0	297.9	281.6
87.5°	240.7	193.9	82.5	99.6	156.8	202.8	248.1	245.9	226.6	228.1	221.4
90°	221.4	173.1	54.2	70.6	130.8	145.6	172.4	165.7	152.3	155.3	153.0
92.5°	222.9	170.9	52.0	75.0	125.6	130.8	158.2	150.1	136.7	138.2	133.7
95°	217.7	164.2	52.0	66.1	104.0	92.9	113.7	110.7	99.6	94.4	92.1
97.5°	104.0	81.7	48.3	49.0	58.7	50.5	69.1	74.3	59.4	47.5	47.5
100°	17.8	27.5	42.3	49.8	42.3	31.9	43.8	50.5	34.2	15.6	17.1
102.5°	17.8	17.1	32.7	42.3	30.5	17.1	25.3	33.4	21.5	11.9	12.6
105°	19.3	17.8	15.6	29.0	17.8	8.9	9.7	17.1	11.9	11.9	11.9
107.5°	20.8	19.3	11.1	11.1	8.9	8.2	7.4	6.7	8.2	11.9	12.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.6	15.6	10.4	8.9	8.2	8.2	5.9	5.9	8.2	12.6	12.6
112.5°	11.1	11.1	8.9	7.4	6.7	8.2	5.9	5.9	7.4	12.6	13.4
115°	11.1	11.1	8.2	6.7	5.9	6.7	5.9	5.2	7.4	12.6	13.4
117.5°	11.1	11.1	8.2	5.9	5.2	5.2	4.5	5.2	7.4	12.6	13.4
120°	11.1	11.1	8.2	5.9	5.2	4.5	4.5	4.5	7.4	12.6	13.4
122.5°	10.4	10.4	7.4	5.2	4.5	3.7	3.7	4.5	6.7	11.9	12.6
125°	9.7	9.7	6.7	5.2	4.5	3.7	3.7	3.7	6.7	11.1	11.9
127.5°	8.9	8.9	6.7	4.5	3.7	3.7	3.7	3.7	5.9	10.4	11.1
130°	7.4	7.4	5.9	4.5	3.7	3.0	3.7	3.7	5.9	9.7	9.7
132.5°	5.9	5.9	4.5	3.7	3.7	3.0	3.0	3.7	5.2	8.2	8.9
135°	4.5	4.5	4.5	3.7	3.7	3.0	3.0	3.0	4.5	6.7	7.4
137.5°	3.7	4.5	3.7	3.7	3.7	3.0	3.0	3.0	4.5	5.9	5.9
140°	3.7	3.7	3.7	3.7	3.7	3.0	3.0	3.0	4.5	5.2	5.9
142.5°	3.7	4.5	3.7	3.7	3.7	3.0	3.0	3.7	4.5	5.9	5.9
145°	4.5	4.5	4.5	3.7	3.7	2.2	2.2	3.7	4.5	5.9	5.9
147.5°	4.5	4.5	4.5	3.7	3.0	2.2	2.2	3.0	4.5	5.9	5.9
150°	4.5	4.5	4.5	3.7	3.0	1.5	1.5	3.0	3.7	5.2	5.9
152.5°	4.5	4.5	3.7	3.7	2.2	1.5	0.7	2.2	3.0	4.5	4.5
155°	3.7	3.7	3.7	3.0	2.2	0.7	0.0	0.7	2.2	3.7	3.7
157.5°	3.0	3.0	3.0	2.2	1.5	0.7	0.0	0.7	0.7	2.2	2.2
160°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
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)