

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: P415865

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
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-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6318 lumens  
Efficiency: N/A  
Efficacy: 98.7 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: B1 - U3 - G3

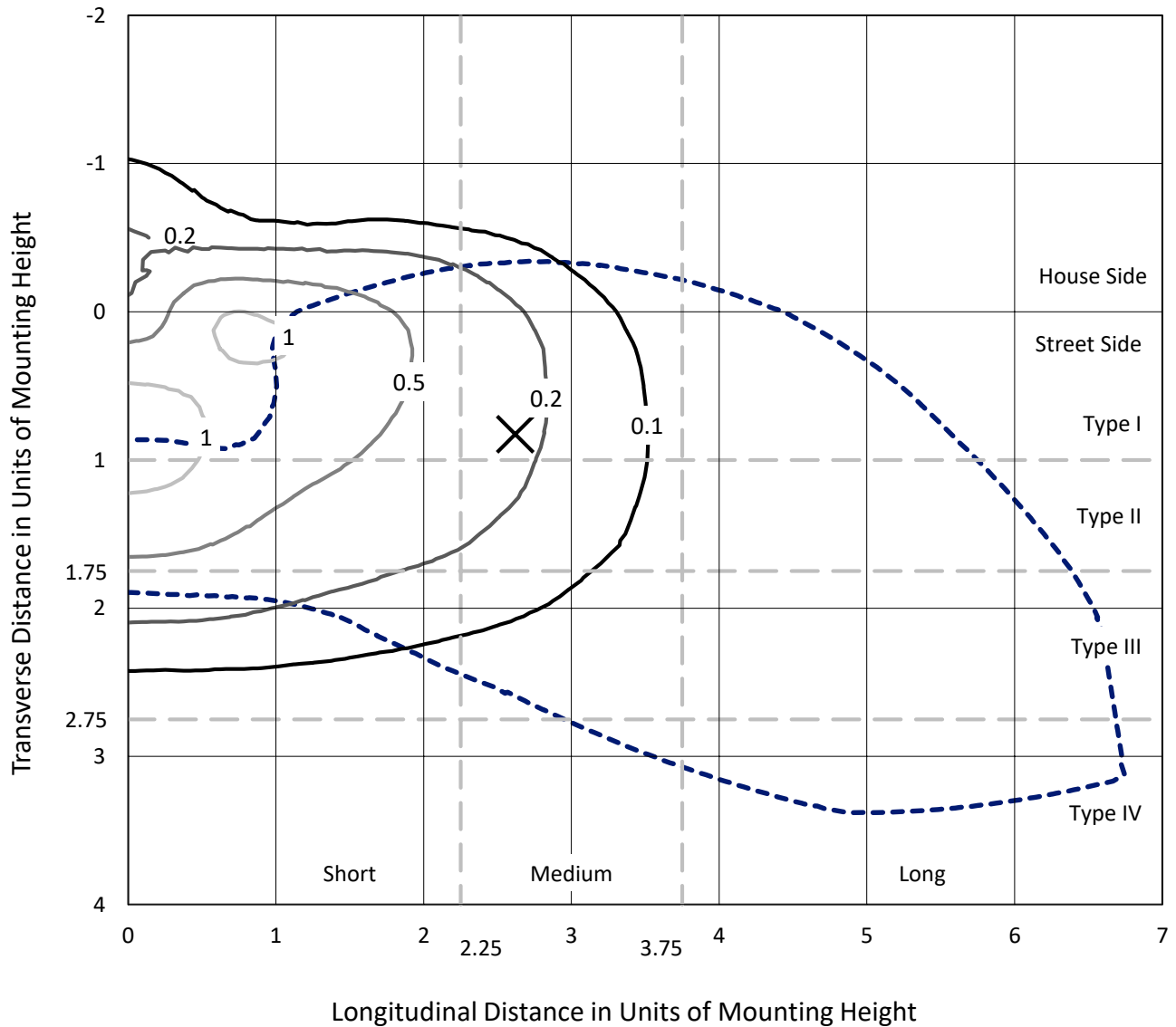
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

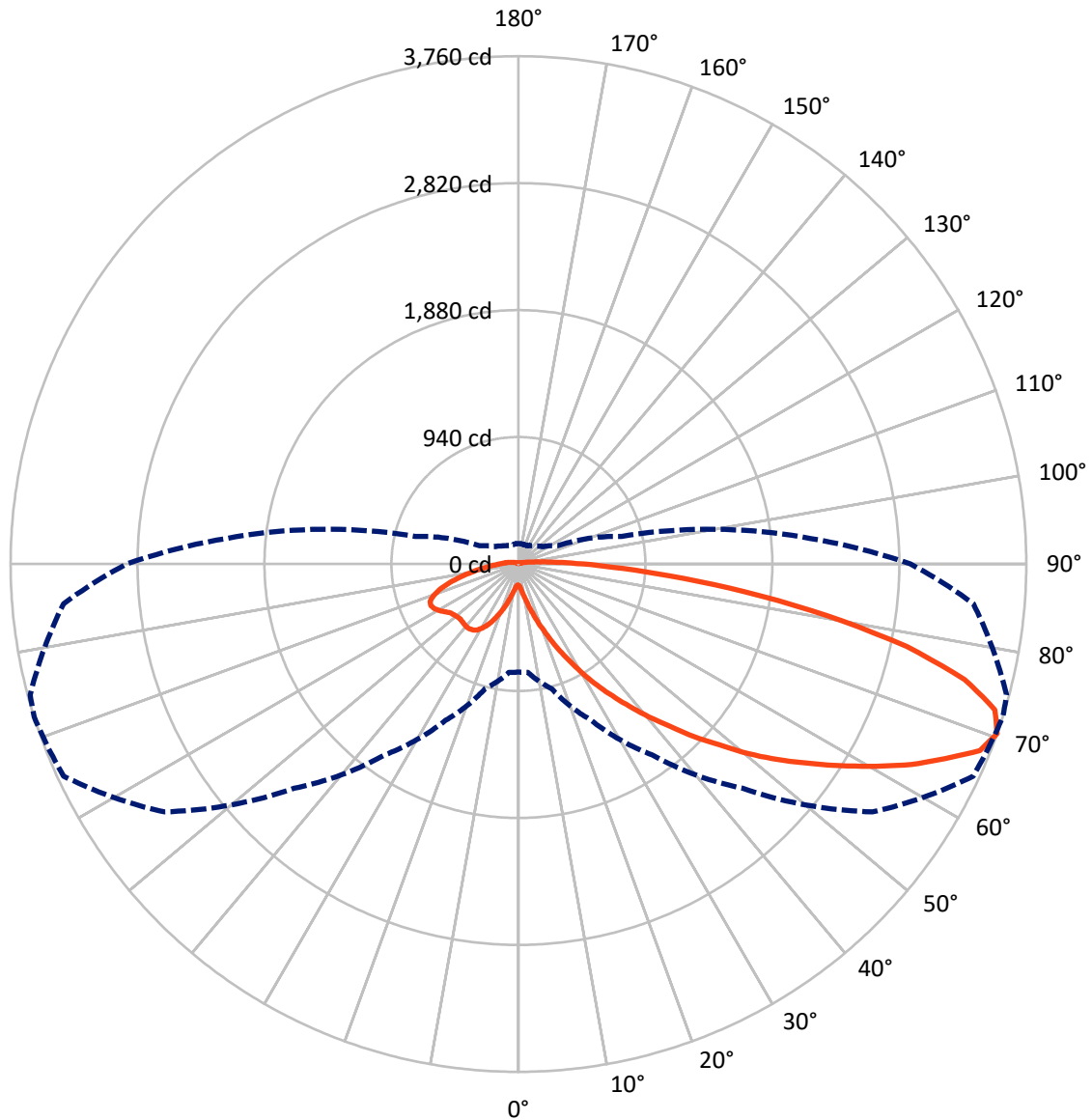
× Max cd  
 - - - 1/2 Max cd



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 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1135.8	103.0	1238.8
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4960.2	119.0	5079.2
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	6096.0	222.0	6318.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.8	0.3
10°-20°	85.5	1.4
20°-30°	238.7	3.8
30°-40°	494.8	7.8
40°-50°	854.7	13.5
50°-60°	1262.2	20.0
60°-70°	1489.8	23.6
70°-80°	1182.3	18.7
80°-90°	470.1	7.4
90°-100°	124.2	2.0
100°-110°	47.9	0.8
110°-120°	23.4	0.4
120°-130°	13.2	0.2
130°-140°	7.8	0.1
140°-150°	3.7	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6096.0	96.5
0°-180°	6318.0	100.0

**Coefficient of Utilization**



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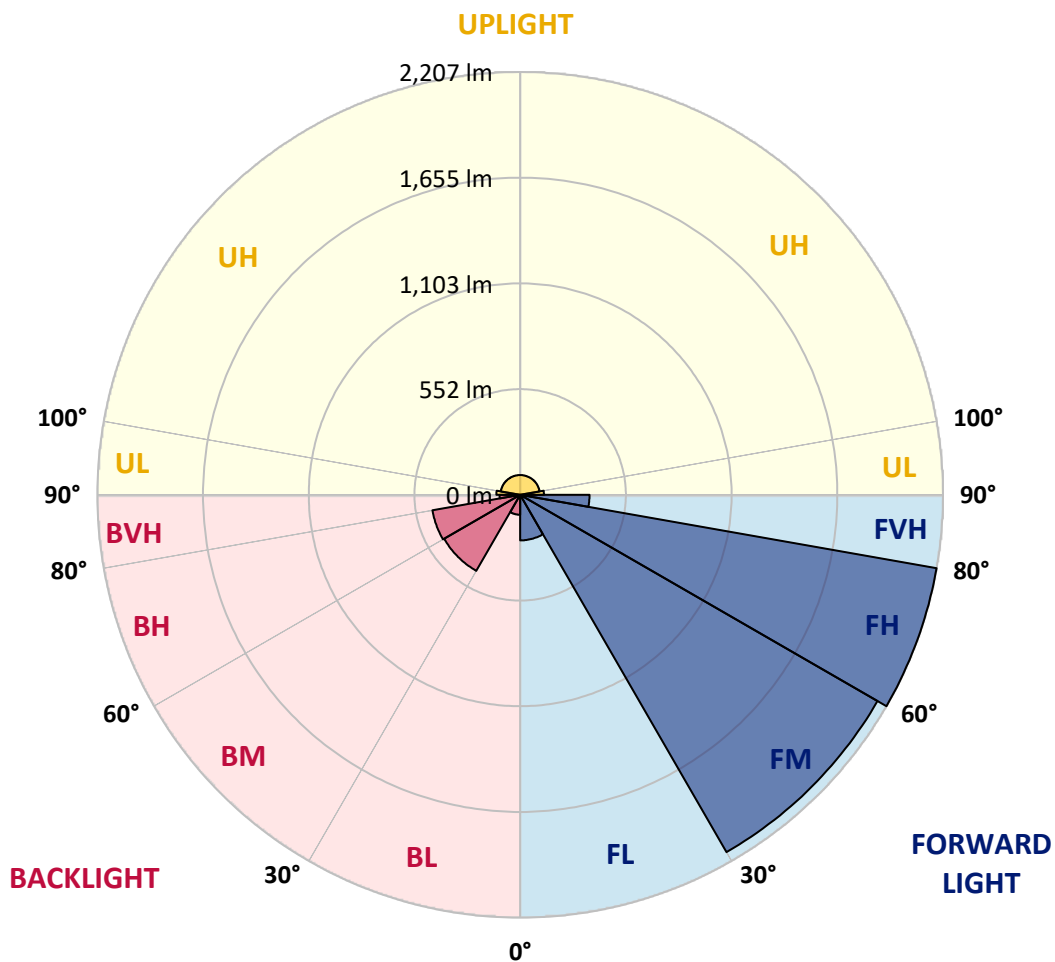
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.8	3.8			
FM	(30°-60°)	2153.5	34.1			
FH	(60°-80°)	2207.0	34.9			G2/5000
FVH	(80°-90°)	362.0	5.7			G3/500
BL	(0°-30°)	104.2	1.6	B0/110		
BM	(30°-60°)	458.3	7.3	B1/1000		
BH	(60°-80°)	465.2	7.4	B1/500		G1/500
BVH	(80°-90°)	108.1	1.7			G2/225
UL	(90°-100°)	124.2	2.0		U3/500	
UH	(100°-180°)	103.0	1.6		U3/500	

**BUG Rating: B1-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°	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2
2.5°	177.5	178.3	177.5	177.5	176.1	175.3	170.9	167.9	165.7	164.2	161.9
5°	205.8	207.3	206.5	206.5	202.8	200.6	195.4	189.4	185.0	184.2	177.5
7.5°	243.7	242.9	239.9	239.2	237.7	234.0	226.6	217.7	213.2	211.7	202.1
10°	290.5	286.7	288.2	283.0	280.1	274.1	267.4	260.7	251.8	251.8	238.5
12.5°	337.3	345.4	343.2	335.8	329.8	320.2	312.0	309.8	299.4	300.9	288.2
15°	413.8	413.0	406.4	401.2	389.3	377.4	370.0	364.8	361.8	359.6	345.4
17.5°	494.8	490.3	485.1	469.5	452.4	442.0	435.3	430.1	433.8	433.1	416.0
20°	588.4	583.2	575.7	547.5	525.2	508.9	505.2	511.1	513.3	519.3	502.2
22.5°	692.4	690.1	672.3	640.4	602.5	580.9	577.2	591.3	608.4	611.4	599.5
25°	817.2	814.2	789.7	743.6	693.8	661.2	661.2	683.4	711.7	718.4	712.4
27.5°	950.9	943.5	911.5	855.0	786.7	744.4	739.2	779.3	818.6	838.0	830.5
30°	1104.7	1103.2	1050.4	981.3	899.6	832.0	829.8	888.5	944.2	953.1	954.6
32.5°	1262.9	1275.5	1214.6	1111.3	1012.5	933.1	929.3	995.5	1072.7	1088.3	1088.3
35°	1445.6	1446.4	1371.3	1268.8	1133.6	1043.0	1032.6	1111.3	1197.5	1219.1	1230.9
37.5°	1629.9	1625.4	1557.8	1416.7	1265.1	1155.9	1146.3	1239.1	1337.2	1372.1	1369.9
40°	1811.1	1823.8	1738.3	1582.3	1399.6	1288.9	1265.1	1374.3	1487.2	1526.6	1511.0
42.5°	2006.5	2003.5	1927.0	1753.2	1549.6	1417.4	1403.3	1516.2	1641.8	1686.3	1672.2
45°	2177.4	2175.9	2092.7	1918.8	1693.0	1566.0	1546.7	1666.3	1823.8	1865.4	1836.4
47.5°	2334.9	2331.1	2245.0	2068.2	1818.6	1707.9	1709.4	1831.9	1999.1	2067.4	2022.8
50°	2456.7	2444.1	2389.8	2198.9	1954.5	1857.2	1885.4	2029.5	2207.8	2269.5	2221.2
52.5°	2522.1	2502.7	2460.4	2290.3	2083.0	2005.0	2059.2	2230.1	2406.2	2464.9	2412.1
55°	2490.9	2490.9	2467.1	2346.0	2174.4	2140.2	2249.4	2421.8	2605.3	2669.9	2623.1
57.5°	2365.3	2384.6	2395.8	2331.1	2237.5	2273.9	2447.0	2640.2	2816.2	2887.6	2825.9
60°	2145.4	2150.6	2232.3	2250.9	2262.8	2387.6	2652.1	2882.4	3040.6	3097.0	3027.2
62.5°	1834.2	1858.7	1958.2	2095.6	2225.7	2481.9	2867.5	3126.0	3268.6	3306.5	3204.8
65°	1488.0	1482.0	1666.3	1872.0	2123.1	2509.4	3041.3	3362.2	3472.9	3523.5	3346.6
67.5°	1128.4	1124.7	1294.8	1596.4	1949.3	2480.5	3182.5	3562.8	3684.7	3686.1	3435.8
70°	800.1	806.0	956.8	1277.0	1725.0	2348.2	3199.6	3715.9	3760.4	3742.6	3381.6
72.5°	543.0	547.5	690.9	978.4	1427.8	2134.3	3056.9	3699.5	3689.1	3639.3	3158.7
75°	349.9	379.6	485.8	743.6	1155.9	1826.0	2779.8	3465.5	3411.3	3328.8	2771.7
77.5°	241.4	256.3	338.0	541.6	903.3	1508.0	2386.9	2995.3	2938.8	2837.8	2234.6
80°	163.4	170.1	232.5	404.9	710.9	1185.6	1944.8	2411.4	2314.1	2210.1	1675.9
82.5°	109.2	121.8	167.1	290.5	537.8	915.2	1479.1	1841.6	1687.1	1597.2	1177.5
85°	72.8	79.5	118.9	211.0	389.3	666.4	1064.5	1251.0	1115.1	1035.6	752.5
87.5°	49.0	55.0	84.7	150.8	288.2	484.4	713.2	808.2	699.0	649.3	455.4
90°	32.7	36.4	62.4	108.5	203.5	338.0	481.4	499.2	428.6	398.2	278.6
92.5°	23.0	26.7	46.8	80.2	142.6	234.7	309.0	302.3	252.6	237.7	179.8
95°	17.8	20.8	36.4	61.7	104.0	161.2	201.3	184.2	159.7	154.5	124.1
97.5°	15.6	17.1	30.5	49.8	78.7	114.4	130.7	124.8	107.7	104.7	90.6
100°	14.1	15.6	26.7	43.1	63.1	83.9	93.6	86.9	78.0	75.8	66.9
102.5°	13.4	14.1	23.8	37.1	52.0	66.1	72.1	64.6	57.9	57.2	51.3
105°	12.6	13.4	20.8	31.9	43.8	54.2	56.5	50.5	45.3	43.1	38.6
107.5°	11.9	11.9	18.6	28.2	37.9	45.3	46.8	40.9	34.9	33.4	30.5
110°	11.1	11.9	17.1	25.3	33.4	39.4	39.4	33.4	27.5	26.0	24.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.1	11.1	15.6	22.3	29.7	34.2	33.4	27.5	22.3	20.1	20.1
115°	10.4	11.1	14.9	20.8	26.7	29.7	28.2	23.0	17.8	16.3	17.1
117.5°	10.4	11.1	13.4	18.6	23.8	26.0	24.5	19.3	14.9	14.1	15.6
120°	10.4	11.1	13.4	17.1	20.8	23.0	21.5	16.3	13.4	12.6	14.1
122.5°	11.1	11.1	12.6	15.6	19.3	20.8	18.6	14.1	11.9	11.1	12.6
125°	11.1	11.1	12.6	14.9	17.8	18.6	16.3	12.6	10.4	10.4	11.9
127.5°	11.1	11.1	12.6	14.1	16.3	16.3	14.9	11.1	9.7	9.7	11.1
130°	11.1	11.1	11.9	13.4	14.9	14.9	12.6	9.7	8.9	8.9	10.4
132.5°	11.9	11.9	11.9	12.6	13.4	13.4	11.1	8.9	8.2	8.2	10.4
135°	11.1	11.1	11.1	11.9	11.9	11.9	9.7	8.2	7.4	8.2	9.7
137.5°	10.4	10.4	11.1	11.1	11.1	10.4	8.2	6.7	6.7	7.4	8.9
140°	10.4	9.7	10.4	10.4	9.7	8.9	7.4	5.9	5.9	6.7	7.4
142.5°	8.9	8.9	8.9	8.9	8.2	7.4	5.9	5.2	5.9	5.9	6.7
145°	8.2	8.2	8.2	7.4	7.4	5.9	4.5	4.5	4.5	5.2	5.9
147.5°	6.7	6.7	6.7	6.7	5.9	5.2	3.0	3.7	3.7	3.7	4.5
150°	5.2	5.2	5.9	5.2	4.5	3.7	2.2	3.0	3.7	3.7	3.7
152.5°	4.5	4.5	4.5	4.5	3.7	2.2	2.2	3.0	3.0	3.0	3.7
155°	3.0	3.0	3.0	3.0	2.2	1.5	2.2	2.2	3.0	3.0	3.0
157.5°	1.5	1.5	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
160°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2	158.2
2.5°	160.5	159.0	156.0	153.0	150.8	148.6	147.1	144.9	143.4	143.4	143.4
5°	173.1	171.6	164.2	156.7	150.1	144.1	139.7	134.5	132.2	130.0	130.7
7.5°	198.3	193.1	181.3	168.6	157.5	145.6	136.7	129.3	124.8	121.8	121.8
10°	232.5	224.3	206.5	187.2	168.6	151.5	138.2	127.8	120.3	117.4	117.4
12.5°	276.3	268.2	240.7	211.7	183.5	159.0	141.9	128.5	120.3	116.6	116.6
15°	335.0	320.9	283.8	242.2	201.3	167.9	145.6	134.5	129.3	127.0	127.0
17.5°	404.9	384.1	335.8	273.4	219.1	176.8	155.3	144.9	140.4	139.7	139.7
20°	486.6	460.6	387.8	304.6	233.3	187.9	163.4	154.5	153.0	153.8	153.8
22.5°	579.4	541.6	441.3	332.8	246.6	194.6	169.4	161.9	163.4	167.1	166.4
25°	677.5	637.4	500.0	358.1	255.5	197.6	173.1	168.6	174.6	179.0	179.0
27.5°	791.9	729.5	553.4	375.9	257.8	195.4	173.8	171.6	179.8	186.5	187.9
30°	908.5	828.3	599.5	387.0	253.3	190.2	170.9	172.3	182.0	190.9	191.7
32.5°	1026.7	921.9	637.4	389.3	245.9	183.5	167.9	170.9	181.3	190.9	192.4
35°	1144.0	1009.6	662.6	381.1	234.0	176.8	162.7	167.9	178.3	189.4	190.9
37.5°	1259.2	1092.8	678.2	367.7	222.1	170.9	159.0	164.2	174.6	187.2	188.7
40°	1384.7	1181.9	687.2	352.1	210.2	165.7	156.7	161.9	172.3	184.2	186.5
42.5°	1499.9	1263.6	687.9	332.8	201.3	163.4	155.3	159.7	169.4	182.0	184.2
45°	1649.9	1347.6	687.9	316.5	195.4	162.7	155.3	159.0	167.9	181.3	184.2
47.5°	1791.8	1444.1	689.4	302.3	192.4	164.2	156.7	158.2	165.7	181.3	184.2
50°	1956.7	1537.0	701.3	291.9	191.7	167.1	159.0	157.5	163.4	179.8	183.5
52.5°	2120.9	1659.6	716.1	284.5	193.1	170.1	160.5	157.5	161.2	176.1	180.5
55°	2300.7	1776.2	732.5	285.3	196.1	173.1	162.7	156.7	158.2	170.1	174.6
57.5°	2480.5	1912.9	768.1	289.7	199.8	176.8	164.9	156.7	154.5	163.4	167.1
60°	2637.9	2033.2	805.3	299.4	205.0	180.5	166.4	156.0	151.5	156.7	159.7
62.5°	2804.4	2164.7	835.0	307.5	211.0	183.5	166.4	155.3	149.3	153.0	154.5
65°	2912.8	2242.7	850.6	318.0	216.9	185.7	167.1	153.8	148.6	150.8	152.3
67.5°	2968.5	2255.4	840.2	321.7	222.1	187.2	166.4	152.3	149.3	150.8	152.3
70°	2902.4	2171.4	790.4	319.4	223.6	187.2	164.9	150.8	149.3	151.5	152.3
72.5°	2663.2	1969.4	716.9	308.3	221.4	184.2	162.7	148.6	148.6	152.3	152.3
75°	2293.3	1678.9	620.3	291.2	215.4	179.8	158.2	144.9	146.3	151.5	151.5
77.5°	1836.4	1328.3	511.1	266.7	204.3	172.3	152.3	139.7	143.4	149.3	148.6
80°	1366.9	989.5	411.6	239.2	189.4	161.9	144.1	133.7	138.9	144.1	142.6
82.5°	910.8	694.6	325.4	210.2	173.8	151.5	135.2	125.5	132.2	137.4	135.2
85°	591.3	462.8	251.8	181.3	157.5	139.7	124.1	116.6	123.3	127.8	125.5
87.5°	368.5	310.5	191.7	154.5	140.4	126.3	114.4	106.2	112.9	117.4	114.4
90°	243.7	208.0	150.8	133.7	124.8	113.7	102.5	96.6	103.3	104.7	102.5
92.5°	160.5	147.1	122.6	114.4	109.9	101.0	92.9	87.7	92.9	93.6	92.1
95°	115.1	111.4	101.0	99.5	97.3	89.9	83.2	78.7	81.7	82.5	79.5
97.5°	87.7	86.9	86.2	86.2	84.7	79.5	73.5	69.8	71.3	70.6	68.3
100°	68.3	69.8	72.1	73.5	72.8	69.1	64.6	61.7	62.4	59.4	57.2
102.5°	53.5	56.5	60.2	62.4	62.4	59.4	57.2	54.2	52.0	48.3	47.5
105°	42.3	44.6	49.8	53.5	53.5	52.0	49.8	46.1	43.8	39.4	39.4
107.5°	33.4	36.4	42.3	45.3	46.1	44.6	43.1	40.1	36.4	31.9	31.9
110°	26.7	29.0	35.7	38.6	39.4	38.6	37.1	33.4	29.7	26.7	26.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	24.5	29.7	32.7	34.2	33.4	31.9	28.2	24.5	22.3	22.3
115°	19.3	21.5	25.3	28.2	29.0	29.0	26.7	24.5	20.1	19.3	19.3
117.5°	17.1	18.6	22.3	24.5	26.0	25.3	23.0	20.8	17.8	17.1	17.1
120°	15.6	17.1	20.1	22.3	22.3	21.5	20.1	17.8	15.6	14.9	15.6
122.5°	14.1	15.6	17.8	19.3	19.3	19.3	17.8	15.6	13.4	13.4	14.1
125°	13.4	14.1	16.3	17.1	17.8	17.1	15.6	13.4	11.9	12.6	12.6
127.5°	12.6	13.4	14.9	15.6	15.6	14.9	13.4	11.9	10.4	11.1	11.9
130°	11.9	12.6	13.4	14.1	14.1	13.4	11.9	10.4	9.7	10.4	10.4
132.5°	10.4	11.1	11.9	12.6	11.9	11.9	10.4	8.9	8.9	9.7	9.7
135°	9.7	10.4	10.4	11.1	10.4	10.4	8.9	8.2	8.2	8.9	8.9
137.5°	8.9	9.7	9.7	9.7	8.9	8.9	8.2	7.4	7.4	7.4	8.2
140°	8.2	8.2	8.2	8.2	7.4	7.4	6.7	5.9	6.7	6.7	6.7
142.5°	7.4	7.4	7.4	6.7	6.7	5.9	5.2	5.2	5.9	5.9	5.9
145°	5.9	5.9	5.9	5.2	5.2	4.5	4.5	4.5	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	4.5	3.7	3.7	3.7	3.7	4.5	4.5	4.5
150°	4.5	4.5	4.5	3.7	3.0	3.0	2.2	3.0	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.0	1.5	2.2	3.0	3.0	3.0	3.0
155°	3.0	3.0	3.7	3.0	2.2	0.7	1.5	2.2	2.2	2.2	2.2
157.5°	3.0	3.0	3.0	2.2	1.5	0.7	1.5	1.5	2.2	1.5	2.2
160°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	0.7	0.7	0.7
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)