

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: P415807

Luminaire Tested: **LXF.LXT-PA1-60-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415807  
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-PA1-60-727-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 5819 lumens  
Efficiency: N/A  
Efficacy: 90.9 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

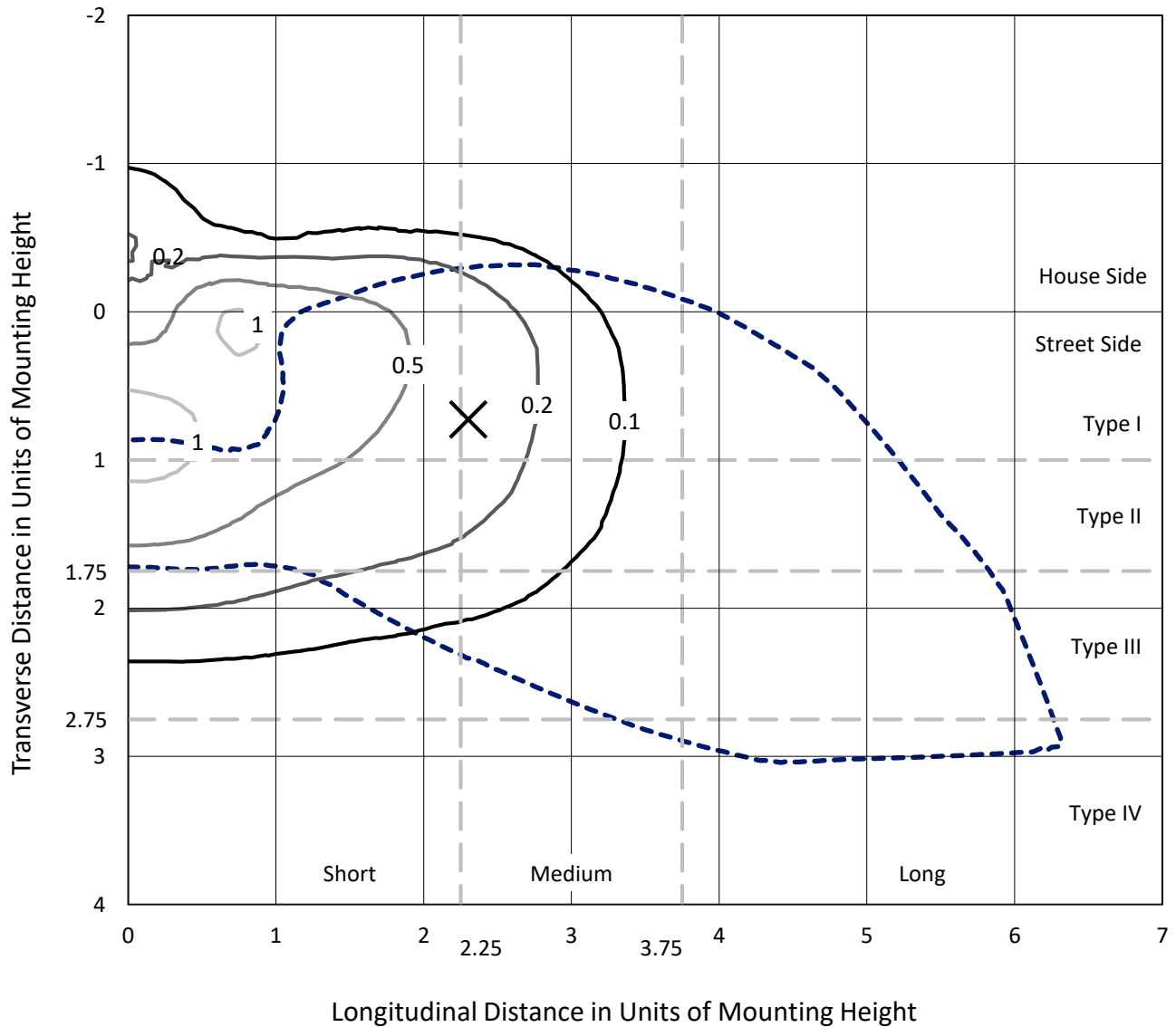
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

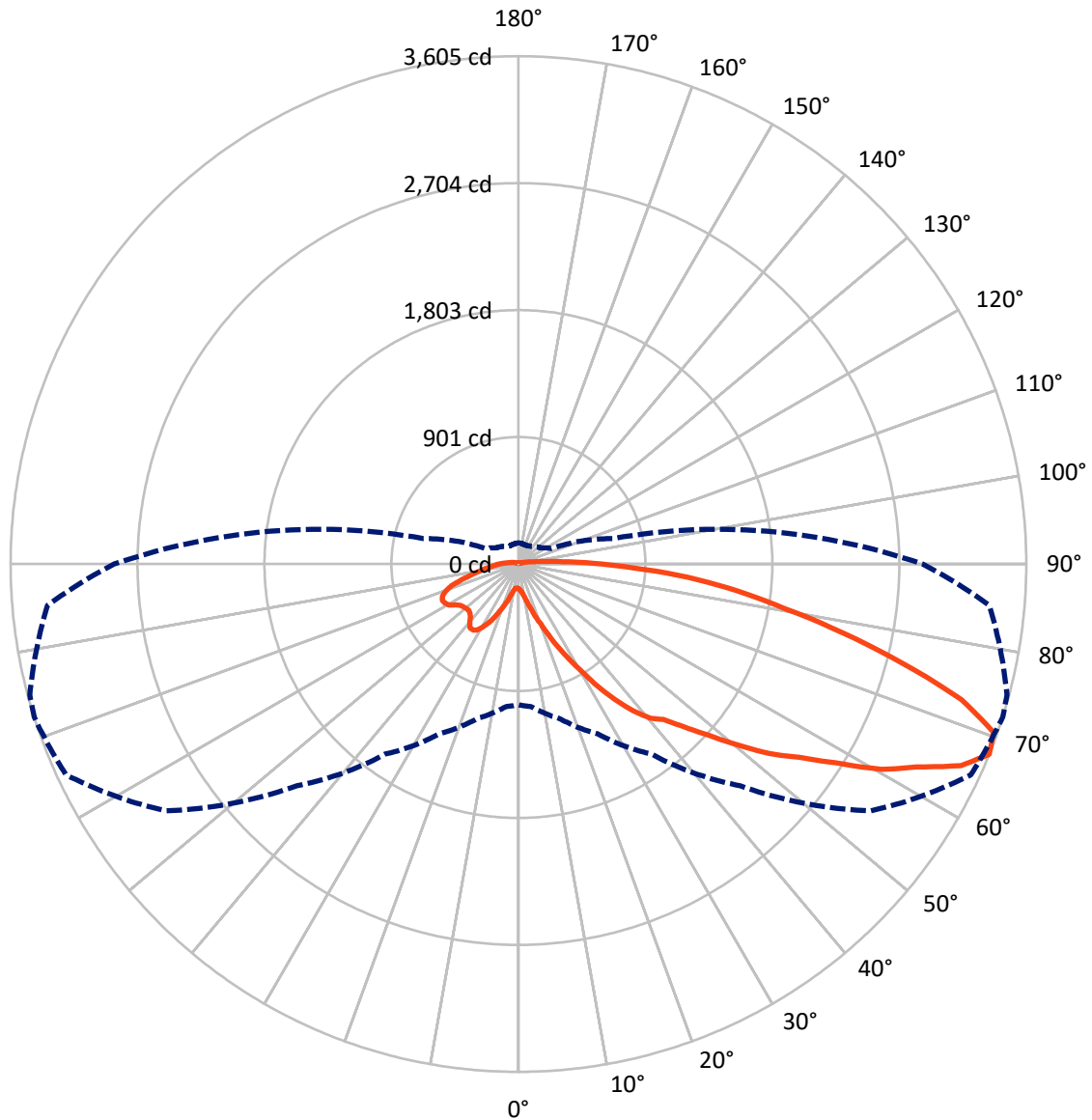
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1018.2	89.5	1107.7
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	4584.8	126.6	4711.3
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	5603.0	216.0	5819.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.2	0.3
10°-20°	78.6	1.3
20°-30°	217.6	3.7
30°-40°	467.9	8.0
40°-50°	792.0	13.6
50°-60°	1162.0	20.0
60°-70°	1385.9	23.8
70°-80°	1035.0	17.8
80°-90°	445.7	7.7
90°-100°	129.3	2.2
100°-110°	42.1	0.7
110°-120°	19.7	0.3
120°-130°	12.0	0.2
130°-140°	7.7	0.1
140°-150°	3.4	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5603.0	96.3
0°-180°	5819.0	100.0

**Coefficient of Utilization**



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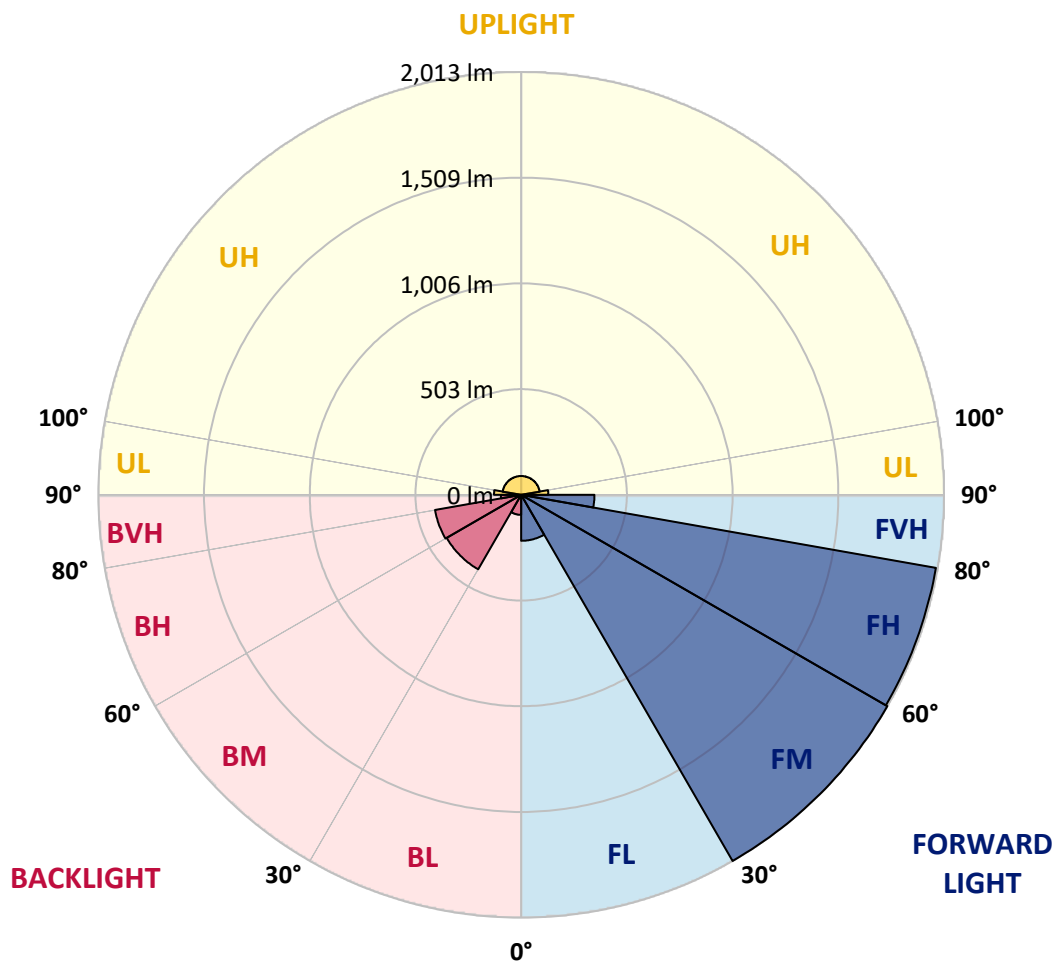
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.0	3.8			
FM	(30°-60°)	2012.6	34.6			
FH	(60°-80°)	2004.6	34.4			G2/5000
FVH	(80°-90°)	348.6	6.0			G3/500
BL	(0°-30°)	95.4	1.6	B0/110		
BM	(30°-60°)	409.4	7.0	B1/1000		
BH	(60°-80°)	416.3	7.2	B1/500		G1/500
BVH	(80°-90°)	97.1	1.7			G1/100
UL	(90°-100°)	129.3	2.2		U3/500	
UH	(100°-180°)	89.5	1.5		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°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	191.0	192.4	193.8	193.1	192.4	190.3	186.9	183.5	180.1	180.1	177.4
5°	218.3	217.6	217.0	217.6	214.2	209.4	204.0	197.9	193.1	191.7	184.9
7.5°	249.7	248.3	249.7	245.6	240.8	234.7	226.5	218.3	210.1	208.8	197.9
10°	287.2	285.9	285.2	281.8	272.9	264.0	255.8	242.9	236.7	234.7	220.4
12.5°	334.3	333.6	329.5	322.7	311.1	302.2	290.6	283.8	277.7	272.9	258.6
15°	388.2	389.6	384.8	370.5	356.1	342.5	337.0	331.6	326.8	324.7	312.5
17.5°	463.9	461.2	450.3	428.4	405.3	394.3	389.6	386.2	390.9	389.6	370.5
20°	557.4	550.6	533.5	496.0	467.3	449.6	445.5	451.6	454.4	461.2	448.2
22.5°	667.2	658.4	629.7	587.4	545.8	512.4	508.3	526.7	543.7	545.8	540.3
25°	774.3	766.2	740.9	685.7	629.7	585.4	575.8	616.7	650.9	657.0	664.5
27.5°	884.2	880.1	843.3	783.2	721.8	665.9	664.5	708.9	762.1	776.4	789.4
30°	1009.0	1018.6	972.2	896.5	819.4	754.6	751.2	816.6	882.1	912.8	934.7
32.5°	1185.1	1176.9	1118.9	1034.3	919.7	843.9	848.7	925.1	1035.6	1061.6	1090.2
35°	1387.0	1389.7	1310.6	1178.9	1043.8	950.4	947.0	1053.4	1181.6	1203.5	1251.2
37.5°	1552.8	1566.4	1507.8	1356.3	1183.0	1062.3	1067.0	1186.4	1321.5	1365.2	1406.8
40°	1730.9	1743.1	1674.9	1527.5	1334.5	1185.7	1192.6	1308.5	1437.5	1473.0	1483.2
42.5°	1925.3	1937.6	1855.0	1680.4	1462.0	1334.5	1307.9	1396.6	1509.1	1553.5	1562.3
45°	2107.5	2128.6	2045.4	1840.0	1604.6	1468.2	1427.9	1499.6	1646.9	1687.9	1697.4
47.5°	2163.4	2188.6	2152.5	1984.6	1741.1	1583.5	1556.9	1656.5	1815.5	1876.2	1863.9
50°	2217.3	2240.5	2218.7	2069.9	1854.3	1717.2	1723.3	1839.3	2019.4	2097.2	2087.7
52.5°	2225.5	2249.4	2226.8	2122.5	1951.2	1852.3	1920.5	2057.6	2236.4	2293.0	2279.4
55°	2239.1	2254.8	2234.3	2116.3	2021.5	1996.2	2125.2	2281.4	2423.3	2490.9	2468.4
57.5°	2049.5	2055.6	2130.0	2098.6	2036.5	2155.9	2355.8	2497.0	2664.2	2765.1	2753.5
60°	1776.6	1789.5	1881.6	1953.9	2026.3	2269.8	2582.3	2795.8	2959.6	3025.8	2963.0
62.5°	1552.1	1566.4	1663.3	1756.1	1939.6	2320.3	2819.0	3063.3	3171.1	3231.1	3156.7
65°	1250.6	1261.5	1379.5	1561.7	1798.4	2300.5	2996.4	3341.6	3450.1	3474.0	3330.0
67.5°	999.5	1015.9	1135.9	1330.4	1646.9	2225.5	3054.4	3542.2	3605.0	3590.6	3355.3
70°	743.6	751.8	898.5	1145.5	1467.5	2061.7	2999.1	3587.2	3577.7	3559.3	3236.6
72.5°	512.4	511.0	648.8	889.6	1280.6	1874.8	2741.9	3332.8	3287.7	3240.0	2831.3
75°	330.9	349.3	435.3	646.8	1035.6	1604.6	2409.0	2894.1	2817.7	2741.9	2332.6
77.5°	223.1	236.1	305.6	463.2	791.4	1349.5	2073.3	2485.4	2357.8	2288.9	1883.0
80°	153.5	159.0	212.2	340.4	588.8	1070.4	1698.1	2057.0	1917.8	1835.9	1461.4
82.5°	107.8	111.9	148.0	251.1	443.5	799.6	1355.6	1711.1	1565.1	1505.7	1135.3
85°	77.8	80.5	106.4	186.9	337.0	600.4	1031.6	1331.1	1204.2	1158.5	811.2
87.5°	58.0	60.7	80.5	138.5	259.3	456.4	769.6	953.1	816.6	757.3	512.4
90°	43.0	45.7	62.1	103.7	202.6	343.9	557.4	651.5	530.1	480.3	326.8
92.5°	32.1	34.1	46.4	75.7	154.9	263.3	393.0	412.1	313.8	285.9	206.0
95°	23.9	25.2	34.8	55.3	110.5	191.7	257.2	240.8	184.9	167.8	130.3
97.5°	19.8	20.5	27.3	42.3	77.8	134.4	165.1	148.0	119.4	111.2	90.1
100°	16.4	17.1	21.8	32.1	56.6	92.1	109.2	96.2	83.2	79.8	70.3
102.5°	14.3	15.0	18.4	26.6	42.3	66.2	75.7	68.9	61.4	58.7	54.6
105°	13.0	13.0	16.4	22.5	34.8	49.8	55.3	50.5	45.7	44.3	43.7
107.5°	11.6	11.6	14.3	19.8	28.7	38.9	41.6	37.5	33.4	32.7	34.8
110°	10.9	10.9	13.0	17.7	24.6	32.1	32.7	28.0	25.2	25.2	28.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.2	10.2	12.3	15.7	21.8	26.6	25.9	21.8	19.8	19.8	23.2
115°	10.2	10.2	11.6	15.0	19.1	22.5	21.1	17.7	16.4	16.4	19.8
117.5°	10.2	10.9	11.6	14.3	17.7	19.8	18.4	15.0	14.3	14.3	17.7
120°	10.9	10.9	11.6	14.3	16.4	17.1	15.7	13.0	12.3	13.0	16.4
122.5°	10.9	10.9	12.3	14.3	15.7	15.7	13.6	11.6	11.6	11.6	15.0
125°	11.6	11.6	12.3	14.3	15.0	14.3	12.3	10.9	10.9	11.6	13.6
127.5°	12.3	12.3	13.0	14.3	14.3	13.0	11.6	10.2	10.2	10.9	13.6
130°	13.6	13.6	13.6	14.3	13.0	11.6	10.2	9.6	10.2	10.9	13.6
132.5°	13.6	13.6	13.6	13.6	12.3	10.2	9.6	8.9	10.2	10.9	13.0
135°	12.3	12.3	12.3	12.3	10.9	8.9	8.2	8.2	9.6	10.2	12.3
137.5°	10.9	10.9	10.9	10.2	9.6	8.2	6.8	6.8	8.2	8.9	10.9
140°	9.6	9.6	8.9	8.9	8.2	6.8	6.1	6.1	6.8	7.5	8.9
142.5°	7.5	7.5	7.5	7.5	6.8	5.5	4.8	4.8	6.1	6.8	7.5
145°	6.1	6.1	6.1	6.1	5.5	4.8	4.1	4.1	4.8	5.5	6.1
147.5°	4.8	4.8	5.5	5.5	4.8	4.1	2.7	3.4	4.1	4.1	4.8
150°	4.1	4.1	4.1	4.8	3.4	2.7	2.0	2.7	3.4	3.4	4.1
152.5°	3.4	3.4	3.4	3.4	2.7	1.4	2.0	2.7	2.7	3.4	3.4
155°	2.0	2.0	2.7	2.7	2.0	1.4	2.0	2.0	2.7	2.7	3.4
157.5°	1.4	1.4	2.0	2.0	2.0	1.4	1.4	2.0	2.0	2.0	2.7
160°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
162.5°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
165°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
167.5°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
170°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
172.5°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
175°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
177.5°	0.0	0.7	1.4	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	175.3	174.0	171.2	168.5	165.8	163.1	162.4	161.0	160.3	159.6	160.3
5°	182.2	178.1	171.9	165.8	160.3	155.6	152.1	148.7	146.0	144.6	144.6
7.5°	194.4	187.6	177.4	167.1	157.6	149.4	144.0	139.2	135.8	134.4	133.7
10°	213.5	205.4	190.3	174.0	159.6	147.4	139.2	133.7	130.3	128.3	128.3
12.5°	247.0	237.4	213.5	188.3	165.1	148.0	137.1	131.7	128.3	127.6	128.3
15°	299.5	284.5	249.7	213.5	178.1	149.4	135.8	133.7	135.1	135.8	135.8
17.5°	360.9	340.4	296.1	241.5	192.4	155.6	141.2	139.9	141.9	144.0	145.3
20°	429.8	403.2	339.1	268.1	201.9	164.4	146.7	144.0	148.7	152.8	152.1
22.5°	517.1	485.1	393.7	288.6	208.8	166.5	148.7	146.0	154.2	159.0	160.3
25°	631.8	586.0	457.8	310.4	212.9	163.7	147.4	148.0	160.3	169.9	171.9
27.5°	756.6	690.4	517.1	328.2	212.9	156.9	145.3	153.5	170.6	182.8	184.2
30°	893.1	801.0	569.0	341.8	206.7	150.1	143.3	156.2	173.3	186.3	187.6
32.5°	1038.4	915.6	622.9	346.6	197.9	144.6	141.2	154.2	168.5	180.1	182.8
35°	1167.3	1017.9	644.0	339.8	185.6	140.5	136.4	147.4	161.7	176.0	176.7
37.5°	1301.7	1115.5	653.6	320.7	173.3	136.4	132.4	142.6	159.6	176.7	178.7
40°	1359.0	1140.7	626.3	294.0	161.7	133.7	130.3	141.9	160.3	177.4	180.1
42.5°	1417.7	1165.3	592.9	255.8	154.2	133.0	132.4	141.9	156.9	170.6	172.6
45°	1518.0	1219.9	577.9	229.9	150.1	135.1	134.4	139.9	150.8	163.1	167.1
47.5°	1661.3	1302.4	570.4	213.5	150.1	138.5	136.4	137.8	144.6	155.6	159.0
50°	1844.8	1417.0	579.9	204.7	153.5	143.3	139.2	137.1	139.9	151.5	155.6
52.5°	1999.0	1526.9	591.5	203.3	159.0	149.4	143.3	137.1	139.2	152.8	157.6
55°	2160.7	1631.2	604.5	206.7	165.8	154.2	146.0	138.5	139.9	152.8	158.3
57.5°	2395.4	1808.6	637.9	214.2	172.6	159.6	149.4	140.5	139.2	149.4	153.5
60°	2609.6	1977.8	687.7	228.6	180.8	165.1	152.8	141.9	138.5	145.3	148.0
62.5°	2739.2	2069.2	706.8	242.2	189.0	169.9	154.2	141.9	140.5	146.7	148.7
65°	2872.9	2156.6	714.3	253.1	193.8	172.6	154.2	143.3	143.3	147.4	148.0
67.5°	2868.2	2137.5	696.6	258.6	197.9	174.0	154.2	143.3	144.6	148.7	149.4
70°	2742.6	2027.6	652.2	257.9	197.2	171.9	151.5	142.6	148.0	152.8	153.5
72.5°	2374.2	1743.1	580.6	249.7	191.0	166.5	147.4	141.2	149.4	156.2	156.2
75°	1947.8	1419.7	479.6	234.0	183.5	159.6	141.2	136.4	146.7	156.2	156.2
77.5°	1534.4	1111.4	388.9	213.5	172.6	151.5	133.7	128.3	139.9	148.7	148.0
80°	1191.9	842.6	312.5	193.1	160.3	142.6	124.9	118.7	128.9	135.1	133.7
82.5°	914.2	648.8	257.9	174.0	148.0	132.4	116.0	110.5	120.1	124.2	122.8
85°	624.3	464.6	211.5	152.8	132.4	120.1	107.1	103.0	113.9	118.7	117.3
87.5°	412.1	319.3	176.7	134.4	116.7	107.8	96.9	95.5	107.8	112.6	111.9
90°	272.2	223.1	150.1	116.7	101.7	94.1	87.3	87.3	98.2	102.3	99.6
92.5°	179.4	158.3	118.7	98.9	86.6	81.9	77.8	77.1	86.6	88.0	86.0
95°	122.1	111.2	92.8	81.9	73.0	70.3	66.9	68.2	74.4	73.0	71.0
97.5°	87.3	84.6	75.0	66.9	60.7	60.0	58.7	59.4	62.8	60.0	58.7
100°	69.6	67.5	62.1	55.9	51.9	51.2	50.5	51.2	53.2	50.5	49.1
102.5°	55.9	55.9	51.9	47.1	43.7	44.3	44.3	44.3	45.0	40.9	40.9
105°	45.0	45.0	43.7	39.6	37.5	37.5	38.2	38.2	38.2	35.5	35.5
107.5°	36.2	37.5	36.8	33.4	32.1	32.7	32.7	32.1	32.1	30.7	30.7
110°	29.3	30.7	30.7	28.7	28.0	28.7	28.0	27.3	26.6	26.6	26.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.6	25.9	26.6	25.2	24.6	24.6	23.9	23.2	23.2	23.9	23.9
115°	21.1	22.5	23.2	21.8	21.8	21.8	20.5	19.8	19.8	21.1	21.1
117.5°	19.1	19.8	20.5	19.8	19.1	19.1	18.4	17.1	17.1	18.4	19.1
120°	17.1	17.7	18.4	17.7	17.1	16.4	15.7	15.0	15.0	17.1	17.1
122.5°	15.7	16.4	16.4	15.7	15.0	15.0	14.3	13.6	13.6	15.0	15.7
125°	15.0	15.0	15.0	14.3	13.6	13.0	12.3	12.3	12.3	13.6	13.6
127.5°	14.3	14.3	13.6	13.0	12.3	11.6	11.6	10.9	10.9	12.3	13.0
130°	14.3	14.3	13.0	12.3	11.6	10.2	10.2	9.6	10.2	11.6	11.6
132.5°	13.6	13.6	12.3	11.6	10.2	9.6	8.9	8.9	8.9	10.2	10.9
135°	13.0	12.3	10.9	10.2	8.9	8.2	8.2	8.2	8.2	9.6	9.6
137.5°	11.6	10.9	9.6	8.9	8.2	7.5	6.8	6.8	7.5	8.2	8.9
140°	9.6	9.6	8.2	7.5	6.8	6.1	6.1	6.1	6.8	7.5	7.5
142.5°	8.2	8.2	6.8	6.1	5.5	4.8	5.5	5.5	6.1	6.8	6.8
145°	6.8	6.1	6.1	4.8	4.8	4.1	4.1	4.8	5.5	6.1	6.1
147.5°	5.5	5.5	4.8	4.1	3.4	3.4	3.4	4.1	4.8	4.8	5.5
150°	4.8	4.8	4.1	4.1	2.7	2.0	2.7	4.1	4.1	4.1	4.1
152.5°	4.1	4.1	4.1	3.4	2.7	1.4	2.0	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	2.7	2.0	0.7	2.0	2.7	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	1.4	0.7	1.4	2.0	2.0	2.0	2.7
160°	2.0	2.0	2.0	2.0	1.4	0.7	1.4	2.0	2.0	2.0	2.0
162.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	2.0	1.4	1.4	1.4
165°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	1.4	1.4
167.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7
170°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7
172.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7
175°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7
177.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)