

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: P416103

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416103  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-827-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5211 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

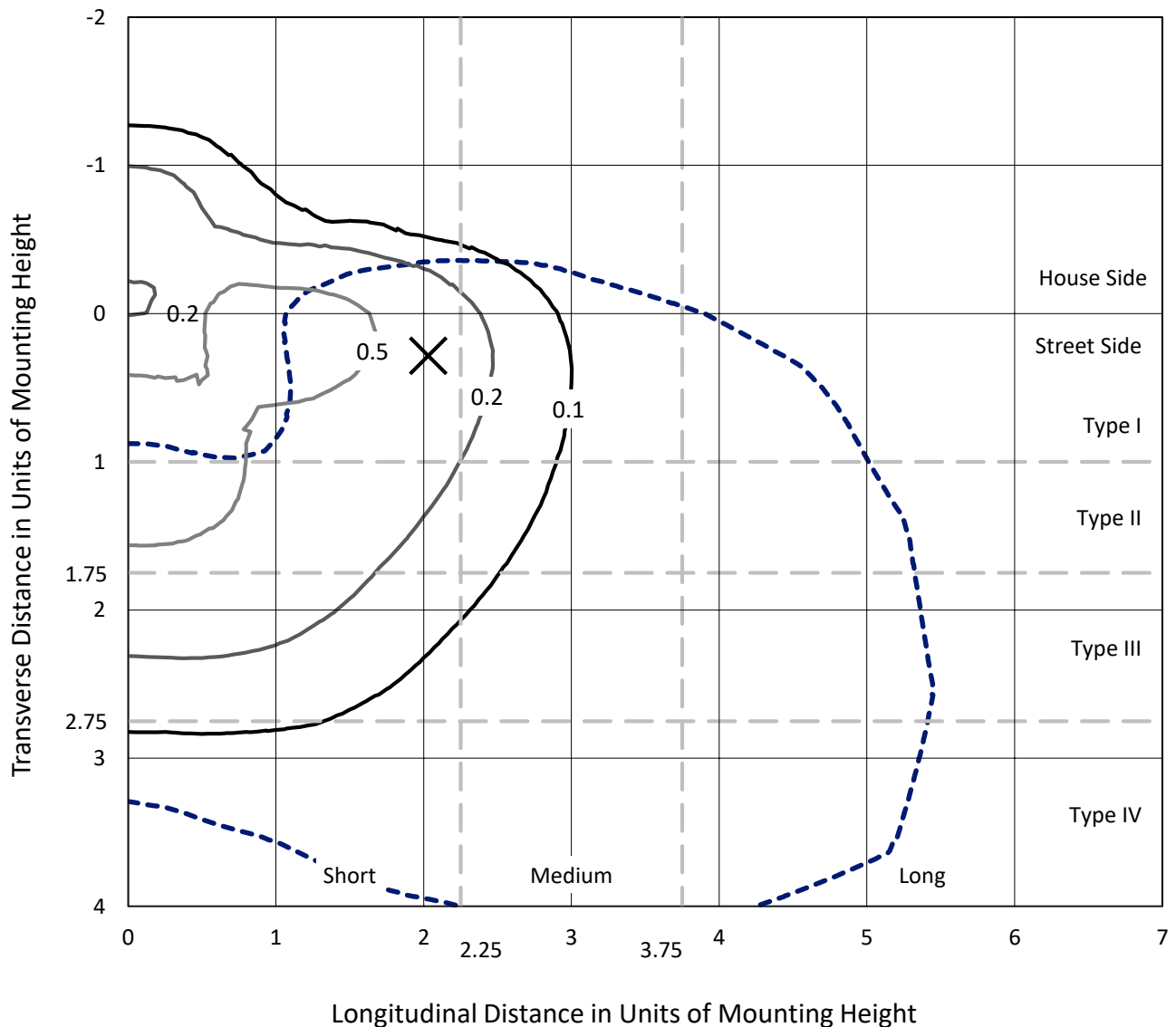
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

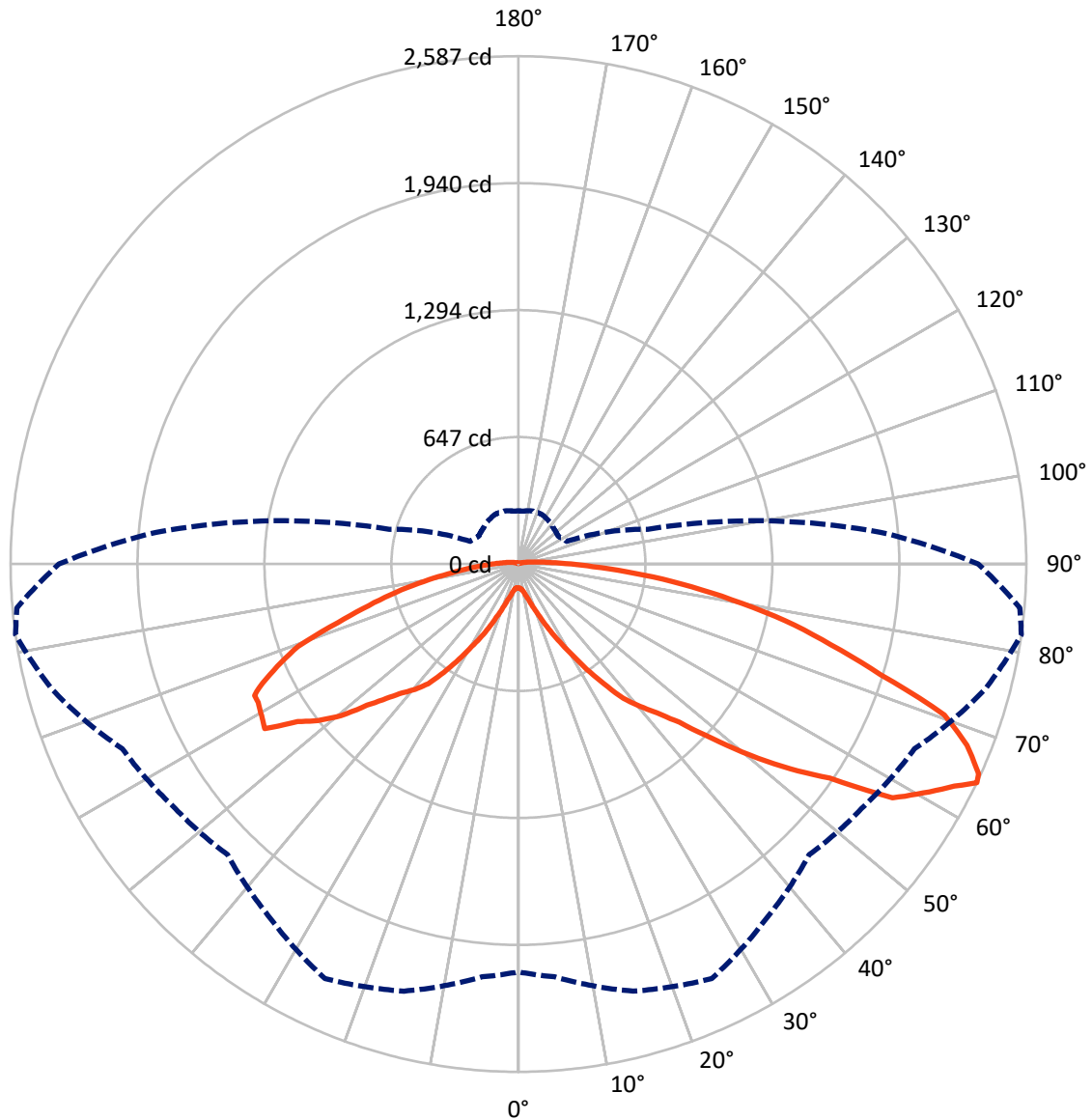


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical



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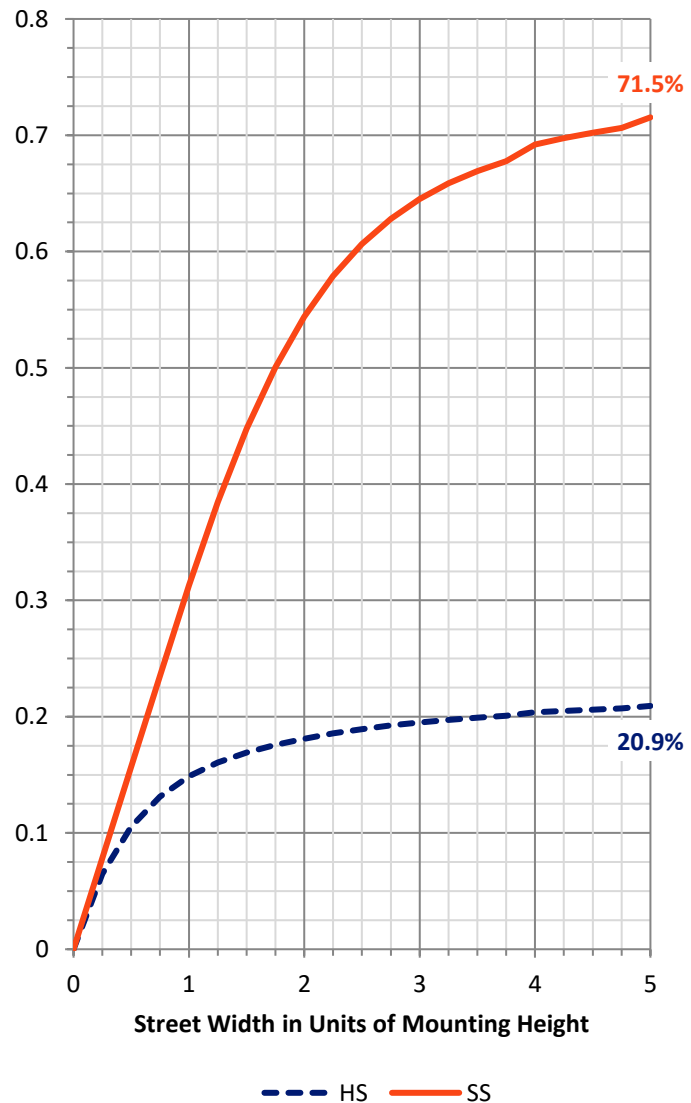
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1145.5	85.9	1231.4
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	3867.2	112.5	3979.6
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	5012.7	198.3	5211.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	0.2
10°-20°	53.6	1.0
20°-30°	154.5	3.0
30°-40°	354.6	6.8
40°-50°	622.8	12.0
50°-60°	1000.4	19.2
60°-70°	1342.9	25.8
70°-80°	1026.7	19.7
80°-90°	444.7	8.5
90°-100°	124.9	2.4
100°-110°	37.9	0.7
110°-120°	16.7	0.3
120°-130°	9.5	0.2
130°-140°	5.8	0.1
140°-150°	2.6	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5012.7	96.2
0°-180°	5211.0	100.0



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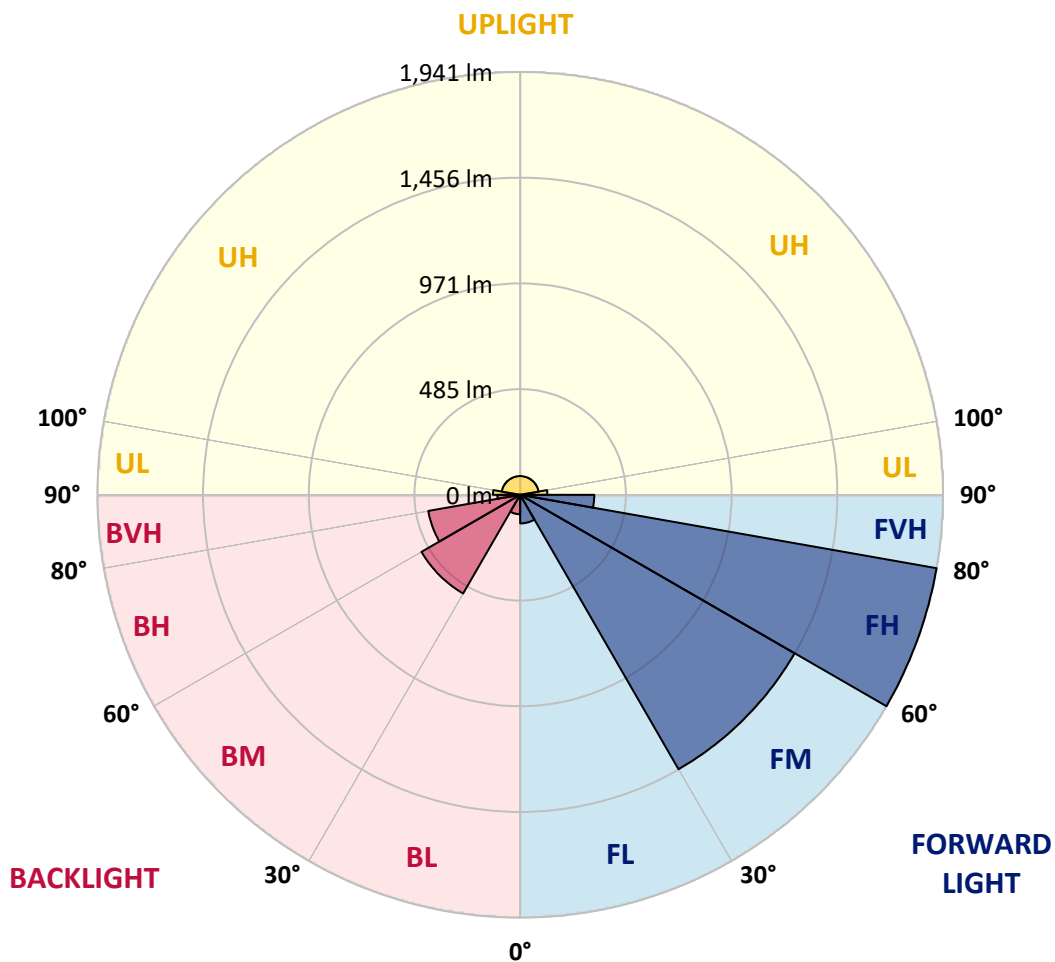
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.2	2.5			
FM (30°-60°)	1454.7	27.9			
FH (60°-80°)	1941.4	37.3			G2/5000
FVH (80°-90°)	339.9	6.5			G3/500
BL (0°-30°)	89.4	1.7	B0/110		
BM (30°-60°)	523.2	10.0	B1/1000		
BH (60°-80°)	428.2	8.2	B1/500		G1/500
BVH (80°-90°)	104.7	2.0			G2/225
UL (90°-100°)	124.9	2.4		U3/500	
UH (100°-180°)	85.9	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7
2.5°	130.7	130.1	130.1	130.7	130.7	129.5	127.1	125.3	123.5	122.9	122.3
5°	142.7	142.1	141.5	142.1	140.3	138.5	134.9	131.3	128.9	126.5	125.9
7.5°	158.9	158.3	157.7	156.5	154.1	150.5	145.1	140.3	136.1	133.1	131.9
10°	179.9	177.5	176.9	174.5	170.3	164.3	158.3	152.3	147.5	143.3	141.5
12.5°	208.7	208.7	203.9	198.5	191.3	182.3	174.5	169.7	164.9	162.5	158.9
15°	244.1	242.9	238.1	229.1	217.1	206.9	198.5	192.5	189.5	185.3	183.5
17.5°	283.1	280.7	276.5	262.7	248.3	237.5	227.9	221.9	220.1	216.5	215.9
20°	334.1	330.5	320.3	303.5	283.7	271.7	262.7	256.1	255.5	256.7	256.1
22.5°	394.6	392.2	379.6	349.1	326.9	309.5	297.5	298.7	306.5	310.1	305.3
25°	467.2	469.6	448.6	407.8	378.4	349.1	344.3	350.9	368.2	377.8	378.4
27.5°	553.0	552.4	524.8	479.8	434.2	401.2	393.4	412.6	437.2	451.0	451.0
30°	648.9	657.3	618.3	559.6	496.0	457.0	451.0	480.4	506.2	530.8	538.0
32.5°	776.7	774.9	724.5	653.7	569.2	514.0	509.2	546.4	604.5	638.7	638.7
35°	935.6	929.0	858.8	752.7	639.3	577.6	578.2	629.7	706.5	748.5	752.7
37.5°	1072.4	1077.8	1007.0	878.0	729.9	650.1	657.3	726.9	819.3	868.4	885.2
40°	1218.7	1220.5	1142.5	1002.2	827.7	727.5	744.9	825.3	912.8	953.6	969.8
42.5°	1347.6	1358.4	1280.5	1126.9	926.6	822.3	830.7	900.8	987.8	1036.4	1059.2
45°	1436.4	1442.4	1394.4	1241.5	1034.0	918.8	917.6	983.0	1095.1	1149.1	1185.7
47.5°	1557.0	1573.1	1504.2	1356.6	1144.3	1017.2	1007.0	1090.9	1238.5	1326.0	1357.2
50°	1698.5	1723.1	1674.5	1496.4	1270.3	1132.9	1134.7	1234.9	1416.6	1531.2	1563.5
52.5°	1839.4	1849.0	1816.6	1664.3	1416.6	1267.9	1282.3	1407.6	1616.3	1733.9	1753.7
55°	1915.0	1928.8	1938.4	1817.8	1592.3	1428.0	1453.2	1604.3	1786.7	1924.6	1969.6
57.5°	1987.0	2006.2	2031.4	1949.2	1766.9	1625.9	1650.5	1784.9	2051.1	2247.9	2282.1
60°	2108.7	2125.5	2174.1	2106.9	1927.0	1814.8	1840.6	2029.6	2233.5	2369.0	2372.6
62.5°	2106.9	2133.3	2250.9	2267.7	2098.5	1996.6	2059.5	2161.5	2322.8	2493.2	2489.6
64°	2078.1	2111.1	2252.7	2330.6	2202.9	2094.9	2149.5	2226.3	2461.4	2587.3	2564.5
65°	2057.7	2094.3	2247.3	2346.8	2259.9	2150.7	2191.5	2280.3	2501.6	2576.5	2545.3
67.5°	1945.6	1986.4	2189.1	2345.0	2318.6	2238.3	2251.5	2334.2	2435.0	2464.4	2408.6
70°	1744.7	1766.3	1996.6	2246.7	2260.5	2183.7	2219.7	2262.3	2317.4	2303.0	2229.9
72.5°	1377.0	1421.4	1654.1	2010.4	2088.9	2033.8	2047.5	2068.5	2012.8	1930.0	1843.0
75°	980.6	1020.2	1237.3	1585.7	1819.0	1796.9	1816.0	1782.5	1720.7	1645.1	1560.0
77.5°	681.9	694.5	873.8	1196.5	1453.8	1521.6	1563.0	1515.6	1480.8	1390.2	1321.9
80°	441.4	462.4	575.2	866.6	1152.1	1290.7	1357.2	1326.6	1245.7	1101.1	1023.2
82.5°	273.5	290.3	379.0	615.3	913.4	1105.9	1170.1	1128.1	998.6	837.3	759.3
85°	156.5	160.1	221.9	400.6	667.5	878.6	964.4	897.2	746.7	590.8	522.4
87.5°	90.0	93.0	132.5	245.3	461.8	662.1	743.7	645.9	501.4	379.6	334.7
90°	57.6	61.2	85.8	160.1	297.5	473.2	533.2	443.2	335.9	240.5	211.7
92.5°	39.6	41.4	57.6	99.6	191.9	312.5	356.3	296.3	209.3	153.5	136.1
95°	28.8	30.0	40.8	67.8	123.5	196.1	220.1	187.7	137.3	102.0	91.2
97.5°	23.4	24.0	31.8	49.8	85.2	124.7	131.9	117.0	91.2	72.6	68.4
100°	19.8	20.4	26.4	38.4	60.6	81.6	83.4	78.6	64.2	54.0	51.6
102.5°	18.0	18.0	22.2	31.2	45.6	58.2	58.2	54.0	44.4	39.6	39.6
105°	16.2	16.2	19.2	25.8	36.0	45.0	44.4	39.6	33.6	30.0	30.6
107.5°	14.4	14.4	16.8	21.0	29.4	35.4	34.2	29.4	25.8	23.4	24.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	13.2	13.2	15.0	18.0	24.6	29.4	27.6	22.8	19.2	19.2	19.8
112.5°	12.0	12.0	13.2	16.2	21.0	24.0	22.2	18.0	15.6	15.6	16.2
115°	10.8	10.8	12.0	14.4	18.6	20.4	18.6	14.4	12.6	13.2	14.4
117.5°	10.2	10.2	11.4	13.2	16.2	17.4	15.6	12.0	10.8	12.0	12.6
120°	9.6	9.6	10.8	12.6	15.0	15.6	13.2	10.8	9.6	10.8	11.4
122.5°	9.6	9.6	10.2	12.0	13.8	13.8	12.0	9.6	8.4	9.6	10.2
125°	9.6	9.6	10.2	11.4	12.6	12.6	10.8	8.4	7.8	9.0	9.0
127.5°	10.2	10.2	10.8	11.4	12.0	11.4	9.6	7.8	7.2	8.4	8.4
130°	10.2	10.2	10.2	10.8	10.8	10.2	8.4	7.2	7.2	7.8	8.4
132.5°	10.2	10.2	10.2	10.2	10.2	9.0	7.8	6.6	7.2	7.8	8.4
135°	9.6	9.6	9.6	9.6	9.0	7.8	6.6	5.4	6.6	7.2	7.2
137.5°	8.4	9.0	8.4	8.4	8.4	7.2	5.4	4.8	5.4	6.6	6.6
140°	7.8	7.8	7.8	7.8	7.2	6.0	4.8	3.6	4.2	5.4	5.4
142.5°	7.2	7.2	7.2	6.6	6.6	5.4	3.6	3.0	3.6	4.2	4.2
145°	6.0	6.0	6.0	6.0	5.4	4.2	3.0	2.4	3.0	3.6	3.6
147.5°	4.8	4.8	4.8	4.8	4.2	3.6	2.4	2.4	3.0	3.0	3.0
150°	3.6	4.2	4.2	4.2	3.6	3.0	1.8	1.8	2.4	3.0	3.0
152.5°	3.0	3.0	3.0	3.6	3.0	1.8	1.2	1.8	2.4	2.4	2.4
155°	1.8	2.4	2.4	2.4	2.4	1.8	1.2	1.8	1.8	2.4	2.4
157.5°	1.2	1.2	1.8	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8
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°	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.7
2.5°	121.7	121.1	120.0	118.8	118.2	118.2	117.0	116.4	114.6	114.6	114.0
5°	124.1	122.9	120.5	118.2	116.4	115.8	114.6	112.8	111.6	111.0	111.0
7.5°	129.5	127.7	122.9	120.0	117.6	115.8	114.6	112.8	111.6	111.0	111.0
10°	138.5	135.5	130.1	124.7	121.1	118.8	117.6	117.0	116.4	115.8	115.8
12.5°	155.9	151.7	142.7	136.1	128.9	125.3	124.1	125.3	128.3	129.5	130.1
15°	179.9	174.5	163.7	151.7	140.9	134.9	137.3	143.3	148.7	151.1	150.5
17.5°	209.9	201.5	188.3	172.1	157.1	154.1	156.5	163.1	170.9	174.5	173.9
20°	248.3	241.7	221.9	195.5	178.7	173.9	175.7	184.1	195.5	199.1	200.3
22.5°	301.1	291.5	260.9	224.3	202.1	193.1	194.9	205.7	221.3	229.7	231.5
25°	369.4	359.3	314.3	258.5	223.7	209.9	217.1	231.5	256.7	269.9	268.7
27.5°	448.6	431.2	372.4	300.5	248.9	227.3	238.1	261.5	287.9	304.7	303.5
30°	521.8	506.8	428.2	338.9	270.5	244.1	255.5	285.5	316.1	336.5	337.7
32.5°	631.5	603.9	493.6	371.8	287.9	257.9	268.7	305.3	340.7	365.2	364.6
35°	744.9	713.7	565.6	410.2	302.9	266.9	278.3	319.7	358.7	388.0	388.6
37.5°	864.2	820.5	629.7	435.4	314.9	272.3	283.7	329.9	379.6	413.2	414.4
40°	944.6	894.8	668.7	448.6	318.5	275.9	288.5	337.1	383.2	407.8	410.2
42.5°	1034.6	964.4	689.1	437.8	314.3	275.3	289.7	331.7	367.6	385.0	386.8
45°	1158.7	1064.6	711.3	421.0	302.9	273.5	284.9	317.3	340.7	347.3	347.3
47.5°	1320.1	1186.3	748.5	403.0	290.9	268.1	276.5	297.5	306.5	305.3	302.3
50°	1513.8	1359.0	793.5	387.4	279.5	261.5	266.9	278.9	281.9	278.3	276.5
52.5°	1706.9	1498.2	824.7	373.6	272.3	255.5	259.1	268.1	268.1	257.3	255.5
55°	1883.8	1624.1	816.3	347.3	266.9	252.5	256.1	262.7	257.3	244.7	242.3
57.5°	2169.9	1841.8	837.9	321.5	259.1	251.9	256.7	260.9	253.1	241.1	238.7
60°	2220.9	1832.8	786.9	305.3	253.7	253.7	259.1	263.9	258.5	247.7	247.1
62.5°	2291.6	1841.2	709.5	281.9	250.1	254.9	264.5	271.7	271.1	263.3	262.1
64°	2341.4	1853.2	681.9	271.1	247.1	254.9	268.7	279.5	279.5	270.5	270.5
65°	2292.2	1807.6	661.5	265.7	244.1	254.9	271.1	284.3	283.1	275.9	274.7
67.5°	2143.5	1659.5	575.2	253.7	237.5	254.9	277.7	292.1	293.9	287.9	285.5
70°	1961.8	1497.6	500.2	239.9	230.9	251.9	277.7	296.9	299.9	293.3	291.5
72.5°	1598.9	1204.3	412.6	224.9	221.3	244.7	274.1	294.5	297.5	289.7	287.3
75°	1340.4	983.6	341.9	210.5	211.1	235.7	265.1	283.7	283.7	275.3	271.7
77.5°	1104.1	794.1	283.1	196.7	199.1	224.3	248.9	260.9	257.3	249.5	244.7
80°	827.1	599.8	233.3	181.7	184.1	205.7	226.1	234.5	230.9	221.3	220.1
82.5°	605.1	431.2	199.1	166.1	167.9	185.3	200.3	207.5	210.5	202.7	200.3
85°	397.6	304.1	170.9	150.5	151.7	164.9	174.5	180.5	187.1	184.7	183.5
87.5°	259.7	210.5	144.5	132.5	133.7	144.5	151.1	157.1	170.3	172.1	169.7
90°	174.5	147.5	119.4	114.6	116.4	125.3	128.9	134.9	149.3	151.7	151.7
92.5°	117.0	105.6	96.6	96.6	99.6	107.4	108.0	109.8	121.7	124.7	123.5
95°	82.2	78.6	78.0	79.2	82.8	88.8	85.8	84.6	92.4	93.0	91.8
97.5°	63.0	61.8	63.0	64.8	66.6	72.6	69.6	66.6	70.2	69.0	70.2
100°	50.4	49.8	51.6	51.6	53.4	58.8	56.4	54.6	55.2	52.8	52.8
102.5°	40.2	40.2	42.0	42.6	43.8	48.0	47.4	45.6	44.4	42.0	42.6
105°	31.2	31.8	34.2	34.8	36.6	40.2	39.6	37.2	36.0	33.0	33.6
107.5°	25.2	26.4	28.2	28.8	30.6	33.6	32.4	30.0	28.2	27.0	27.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.0	21.6	23.4	24.0	25.8	28.2	27.6	24.6	22.2	21.6	22.2
112.5°	17.4	18.6	19.8	20.4	22.2	24.0	22.2	19.8	18.0	18.6	18.6
115°	15.0	15.6	16.8	17.4	18.6	20.4	18.6	16.2	15.0	15.6	16.2
117.5°	13.8	14.4	15.0	15.0	16.2	17.4	15.6	13.8	13.2	13.8	14.4
120°	12.0	12.6	13.2	13.8	14.4	15.0	13.8	12.0	11.4	12.6	12.6
122.5°	10.8	11.4	11.4	12.0	12.6	13.2	12.0	10.8	10.2	10.8	11.4
125°	9.6	10.2	10.8	10.8	11.4	11.4	10.8	9.6	9.6	10.2	10.2
127.5°	9.0	9.6	9.6	10.2	10.2	10.2	9.6	8.4	9.0	9.6	9.6
130°	9.0	9.0	9.0	9.0	9.0	9.0	8.4	7.8	8.4	9.0	9.0
132.5°	8.4	8.4	8.4	8.4	8.4	7.8	7.2	7.2	7.8	8.4	8.4
135°	7.8	7.8	7.2	7.2	7.2	7.2	6.6	6.6	6.6	7.2	7.2
137.5°	6.6	6.6	6.0	6.0	6.0	6.0	5.4	5.4	6.0	6.6	6.6
140°	5.4	5.4	4.8	4.8	4.8	4.8	4.8	4.8	5.4	5.4	6.0
142.5°	4.2	4.2	4.2	3.6	3.6	4.2	4.2	4.2	4.8	4.8	4.8
145°	3.6	3.6	3.6	3.0	3.0	3.6	3.6	3.6	4.2	4.2	4.2
147.5°	3.0	3.0	3.0	2.4	1.8	3.0	3.0	3.0	3.6	3.0	3.0
150°	3.0	3.0	2.4	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.8	1.2	1.2	1.8	2.4	1.8	1.8	1.8
155°	2.4	2.4	1.8	1.8	1.2	0.6	1.2	1.8	1.2	1.2	1.2
157.5°	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
160°	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	0.6	0.0	0.0
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)