

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: P416225

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-727-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6364 lumens  
Efficiency: N/A  
Efficacy: 86.0 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

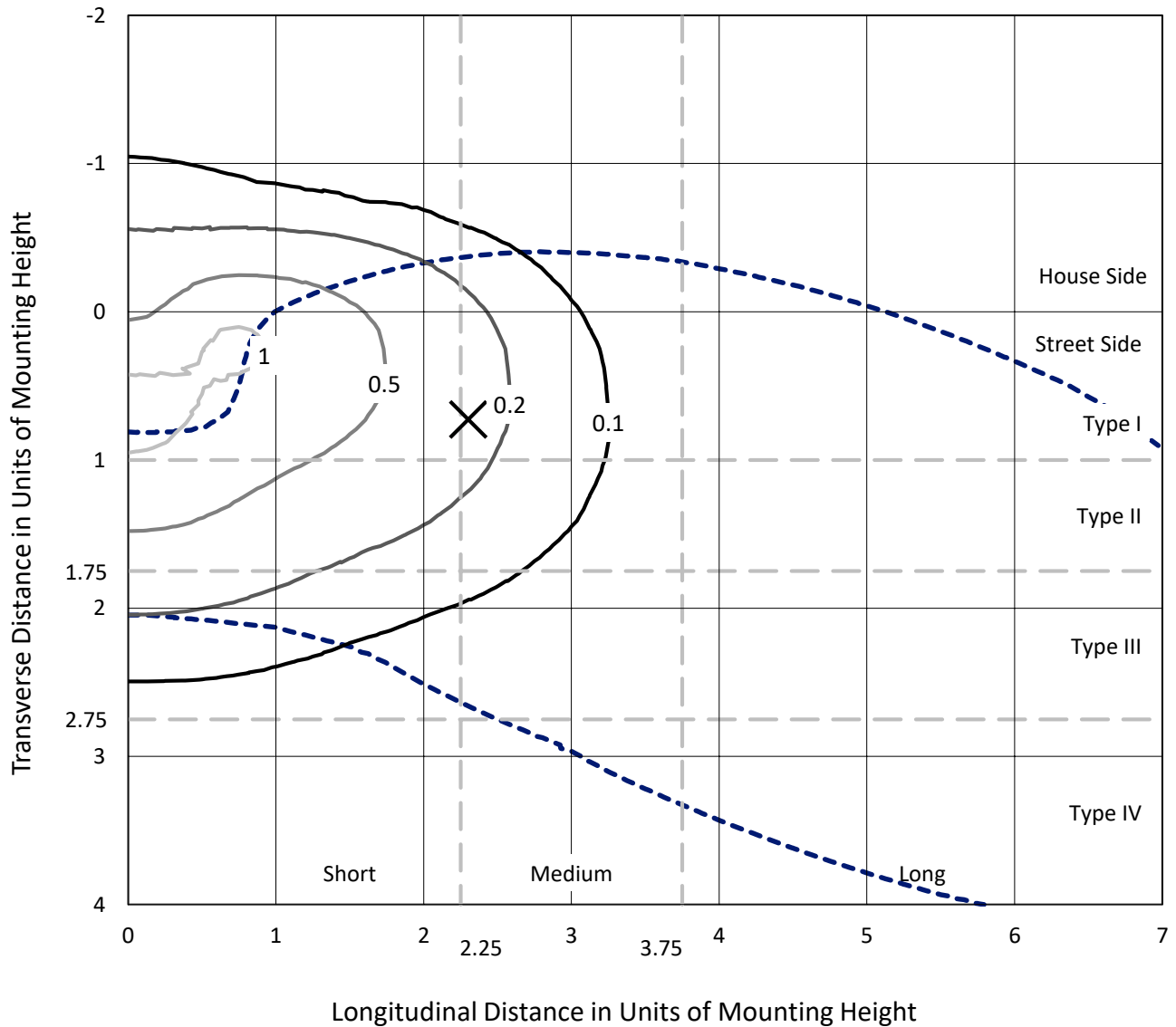
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

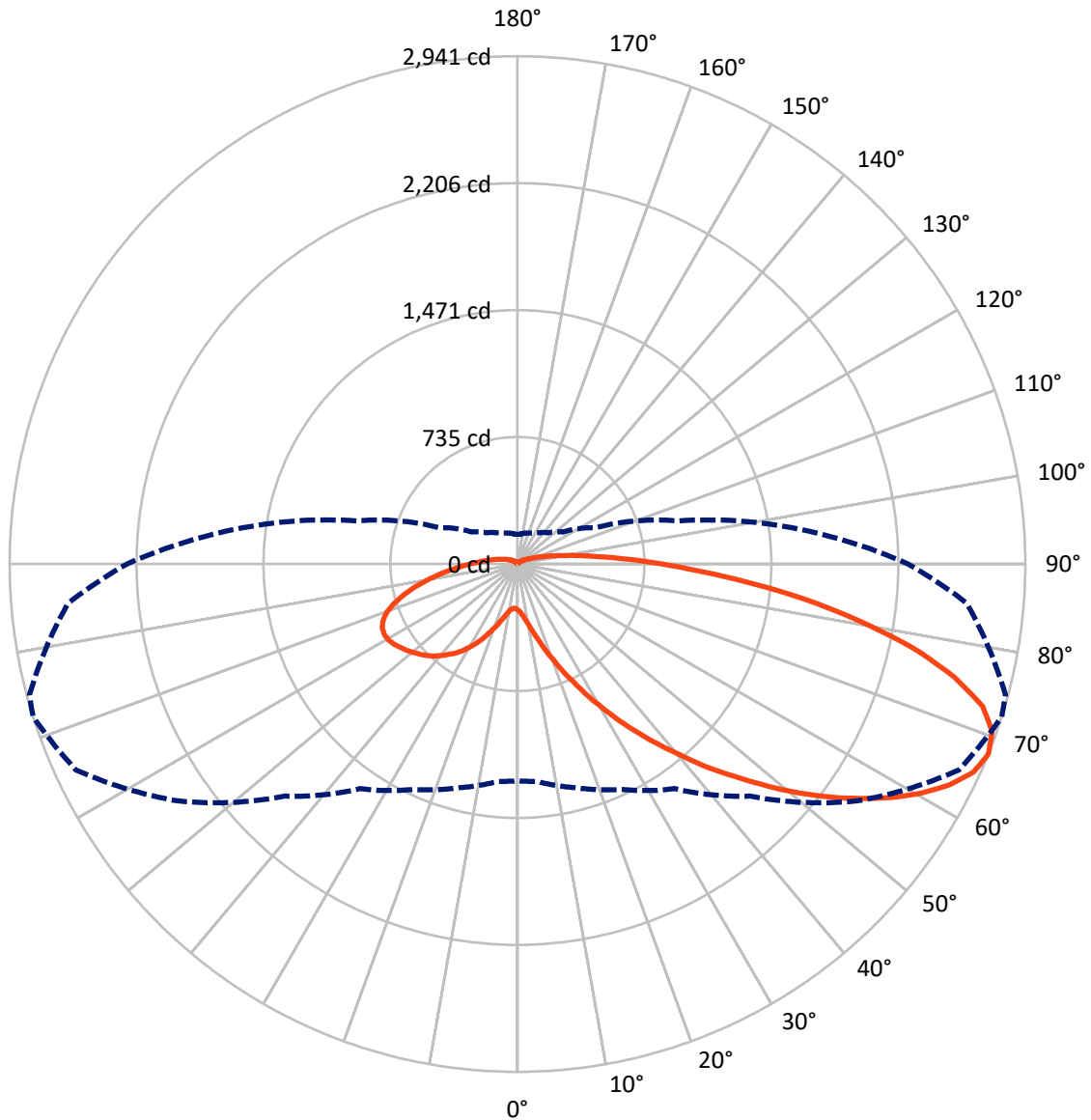
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1292.3	183.8	1476.2
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	4531.5	356.4	4887.8
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	5823.8	540.2	6364.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.4	0.4
10°-20°	108.6	1.7
20°-30°	262.2	4.1
30°-40°	499.8	7.9
40°-50°	804.4	12.6
50°-60°	1113.0	17.5
60°-70°	1278.8	20.1
70°-80°	1097.7	17.2
80°-90°	632.0	9.9
90°-100°	285.6	4.5
100°-110°	131.3	2.1
110°-120°	66.0	1.0
120°-130°	34.2	0.5
130°-140°	16.3	0.3
140°-150°	5.6	0.1
150°-160°	1.0	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5823.8	91.5
0°-180°	6364.0	100.0



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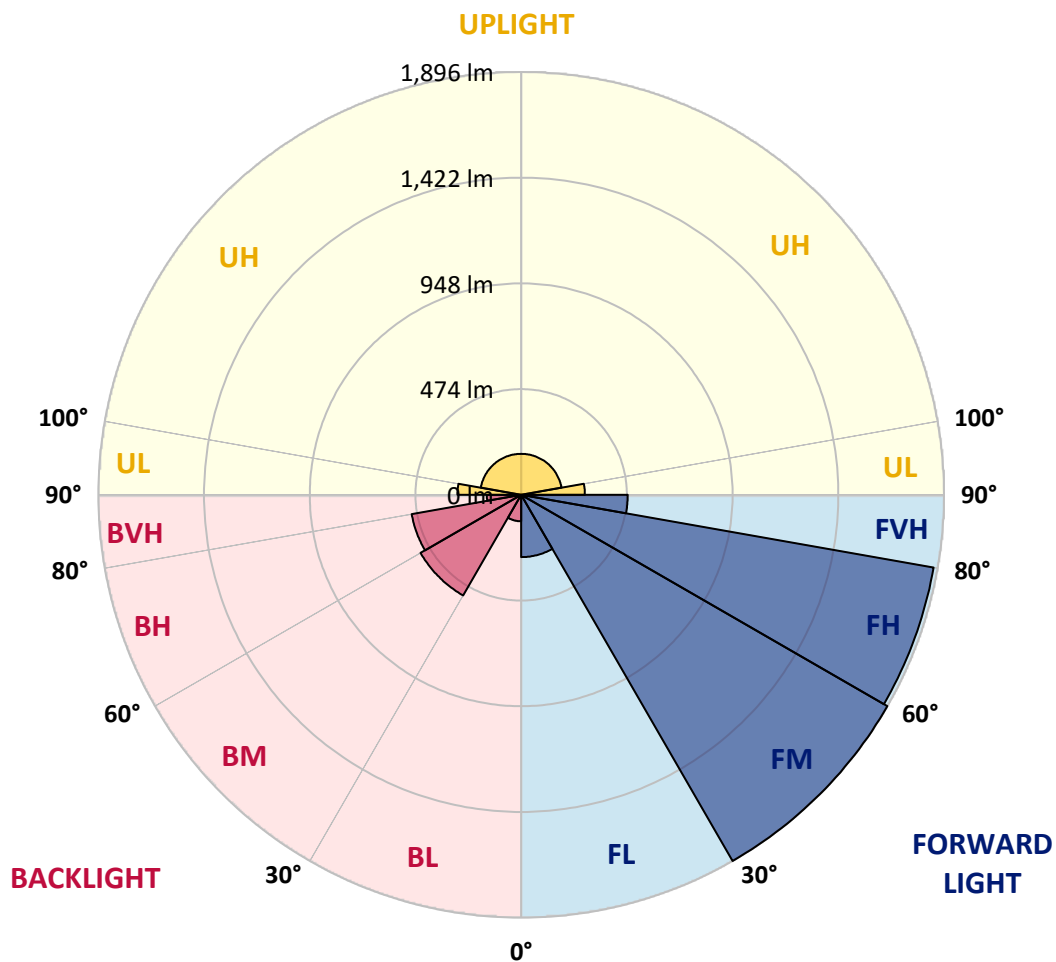
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.5	4.4			
FM (30°-60°)	1896.1	29.8			
FH (60°-80°)	1878.1	29.5			G2/5000
FVH (80°-90°)	477.8	7.5			G3/500
BL (0°-30°)	118.7	1.9	B1/500		
BM (30°-60°)	521.1	8.2	B1/1000		
BH (60°-80°)	498.3	7.8	B1/500		G1/500
BVH (80°-90°)	154.2	2.4			G2/225
UL (90°-100°)	285.6	4.5		U3/500	
UH (100°-180°)	183.8	2.9		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°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	297.6	296.9	297.6	295.3	293.0	288.4	285.4	279.3	276.2	274.7	268.5
5°	339.7	338.9	338.2	335.1	327.5	322.1	312.9	302.2	295.3	292.3	282.3
7.5°	385.6	384.1	382.5	375.7	370.3	361.1	347.4	333.6	322.1	319.8	301.4
10°	437.6	436.1	433.0	427.7	417.7	404.7	392.5	372.6	358.1	351.2	331.3
12.5°	491.2	494.2	490.4	479.7	468.2	456.0	438.4	419.3	404.0	398.6	368.0
15°	556.2	558.5	554.7	542.4	530.2	511.8	498.1	478.2	457.5	454.5	420.8
17.5°	628.1	627.4	619.7	608.2	597.5	583.0	563.1	544.7	521.8	516.4	475.1
20°	706.2	703.1	696.2	677.1	667.2	650.3	638.1	612.8	590.7	583.0	541.7
22.5°	784.2	782.7	776.6	759.0	746.7	732.2	713.8	690.9	675.6	660.3	614.4
25°	882.1	873.0	865.3	833.9	822.5	808.7	792.6	773.5	759.0	750.6	697.8
27.5°	980.1	973.2	955.6	932.6	910.5	888.3	881.4	864.6	860.0	853.1	793.4
30°	1077.2	1074.2	1055.1	1026.0	993.9	972.4	968.6	970.1	963.2	954.8	891.3
32.5°	1187.4	1180.5	1159.1	1120.1	1086.4	1061.2	1061.2	1071.9	1078.0	1069.6	1002.3
35°	1295.3	1289.2	1262.4	1214.2	1176.7	1146.1	1158.3	1183.6	1198.1	1198.1	1114.7
37.5°	1409.3	1395.5	1368.0	1317.5	1267.0	1244.8	1258.6	1302.2	1323.6	1323.6	1239.4
40°	1508.8	1508.0	1470.5	1410.1	1360.3	1327.4	1369.5	1427.7	1456.0	1453.7	1364.9
42.5°	1608.2	1607.5	1571.5	1504.9	1442.2	1425.4	1478.2	1560.0	1605.9	1605.9	1491.9
45°	1697.7	1691.6	1661.0	1587.6	1529.4	1521.8	1599.8	1703.9	1751.3	1758.9	1629.6
47.5°	1763.5	1758.2	1731.4	1660.2	1605.2	1618.9	1713.0	1845.4	1909.7	1908.9	1770.4
50°	1807.9	1802.6	1779.6	1718.4	1671.0	1705.4	1836.2	1995.4	2075.7	2081.8	1909.7
52.5°	1820.9	1817.9	1805.6	1755.1	1724.5	1783.4	1951.7	2148.4	2239.4	2244.8	2061.9
55°	1798.7	1798.7	1798.0	1767.4	1755.1	1853.1	2071.1	2297.6	2396.3	2406.2	2211.9
57.5°	1746.7	1749.0	1762.8	1752.8	1771.2	1908.9	2172.1	2432.2	2551.6	2557.7	2345.8
60°	1667.9	1663.3	1693.9	1712.3	1762.0	1944.1	2261.6	2567.6	2692.4	2694.7	2463.6
62.5°	1548.5	1550.8	1595.2	1643.4	1729.1	1958.6	2340.4	2686.2	2812.5	2817.8	2555.4
65°	1407.8	1413.1	1473.6	1554.7	1672.5	1943.3	2385.6	2777.3	2903.5	2896.6	2608.2
67.5°	1255.5	1263.2	1342.0	1440.7	1588.3	1900.5	2393.2	2820.9	2941.0	2925.7	2612.8
70°	1088.7	1108.6	1187.4	1316.0	1479.7	1818.6	2348.8	2813.2	2915.8	2901.2	2544.7
72.5°	937.2	951.8	1038.2	1172.1	1358.0	1700.0	2254.7	2725.3	2817.1	2788.0	2402.4
75°	786.5	808.7	890.6	1033.6	1226.4	1553.1	2094.8	2555.4	2612.0	2580.7	2190.5
77.5°	658.0	677.9	759.0	896.7	1081.8	1399.4	1885.2	2297.6	2344.2	2312.1	1922.7
80°	536.3	558.5	637.3	772.7	946.4	1218.8	1644.9	1996.1	2013.7	1963.2	1627.3
82.5°	448.3	459.8	533.3	652.6	812.5	1051.2	1398.6	1674.8	1675.5	1615.1	1322.1
85°	366.5	373.4	440.7	548.6	685.5	888.3	1148.4	1348.9	1333.6	1300.7	1019.1
87.5°	296.9	303.7	364.2	461.3	576.9	741.4	937.2	1061.9	1026.0	1000.0	791.1
90°	243.3	250.9	300.7	384.8	484.3	612.1	746.0	820.9	788.8	768.9	609.8
92.5°	198.9	206.6	250.2	322.1	410.1	501.1	592.9	628.1	606.0	583.0	459.8
95°	168.3	169.9	208.9	269.3	338.9	404.7	464.4	485.1	454.5	446.0	355.8
97.5°	138.5	143.1	173.7	227.2	283.1	337.4	368.0	378.7	351.2	332.8	272.4
100°	117.8	120.1	146.9	189.7	235.6	274.7	298.4	293.0	268.5	257.8	206.6
102.5°	101.0	103.3	124.7	164.5	200.5	228.8	240.2	231.8	208.9	202.0	162.2
105°	88.8	89.5	107.1	139.2	169.9	193.6	198.2	185.2	163.0	153.8	127.8
107.5°	78.8	79.6	93.3	120.9	146.9	163.0	164.5	150.0	128.5	121.6	102.5
110°	70.4	71.9	81.9	104.8	127.0	139.2	137.7	122.4	102.5	96.4	84.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	63.5	65.0	72.7	91.8	110.2	120.9	117.1	98.7	81.9	78.0	69.6
115°	58.1	59.7	65.8	81.1	97.2	104.8	98.7	81.9	67.3	62.7	58.1
117.5°	54.3	55.1	59.7	71.9	84.2	90.3	83.4	68.1	55.1	52.0	49.7
120°	50.5	51.3	55.1	63.5	74.2	77.3	70.4	55.9	45.9	44.4	43.6
122.5°	47.4	47.4	50.5	56.6	64.3	66.6	59.7	46.7	39.0	37.5	38.3
125°	44.4	44.4	45.9	50.5	55.9	57.4	49.7	39.0	32.9	32.1	33.7
127.5°	41.3	41.3	42.1	45.1	48.2	48.2	41.3	32.1	28.3	27.5	29.8
130°	38.3	38.3	38.3	39.8	41.3	40.5	33.7	26.8	24.5	24.5	26.0
132.5°	35.2	35.2	35.2	35.2	34.4	32.9	27.5	21.4	21.4	21.4	23.0
135°	31.4	31.4	31.4	30.6	29.1	26.8	21.4	17.6	17.6	18.4	19.9
137.5°	28.3	28.3	27.5	26.0	23.7	20.7	16.8	13.8	15.3	15.3	16.8
140°	24.5	24.5	23.7	21.4	18.4	15.3	12.2	11.5	12.2	13.0	14.5
142.5°	20.7	20.7	19.9	17.6	14.5	10.7	8.4	8.4	9.9	9.9	11.5
145°	16.8	16.8	16.1	13.8	9.9	6.9	5.4	6.1	7.7	7.7	8.4
147.5°	13.0	13.0	12.2	9.9	6.9	4.6	3.1	4.6	5.4	5.4	6.1
150°	9.2	9.2	8.4	6.9	4.6	2.3	1.5	2.3	3.1	3.8	3.8
152.5°	6.1	6.1	5.4	4.6	2.3	0.8	1.5	2.3	2.3	2.3	3.1
155°	3.8	3.1	3.1	2.3	0.8	0.0	0.8	1.5	1.5	1.5	2.3
157.5°	1.5	1.5	1.5	1.5	0.8	0.0	0.8	0.8	0.8	1.5	1.5
160°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
165°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
167.5°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
170°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
172.5°	0.0	0.8	0.8	1.5	0.8	0.0	0.8	0.8	0.8	0.8	0.8
175°	0.0	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.0	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	267.0	264.0	259.4	254.8	250.2	247.1	244.1	242.5	240.2	237.9	237.9
5°	276.2	270.1	259.4	248.7	238.7	230.3	221.9	217.3	214.2	211.2	211.9
7.5°	293.0	283.8	266.3	248.7	232.6	218.8	207.3	198.2	192.0	188.2	189.0
10°	316.7	306.8	280.0	254.8	231.8	211.9	195.9	182.9	175.2	171.4	171.4
12.5°	354.2	337.4	302.2	266.3	235.6	208.9	188.2	172.9	162.2	157.6	156.8
15°	399.4	375.7	332.8	288.4	244.8	208.9	182.1	171.4	164.5	161.4	160.7
17.5°	452.9	426.9	368.0	309.1	257.1	213.5	190.5	177.5	169.9	166.8	166.0
20°	511.1	480.5	406.3	335.1	269.3	227.2	198.9	182.9	174.4	171.4	171.4
22.5°	582.2	541.7	447.6	358.1	284.6	238.7	207.3	187.4	179.8	176.7	176.0
25°	655.7	609.8	496.5	382.5	301.4	247.9	213.5	192.0	184.4	181.3	182.1
27.5°	742.1	683.2	544.7	407.0	316.0	253.2	216.5	195.9	188.2	185.9	186.7
30°	832.4	758.2	587.6	432.3	325.9	257.1	218.8	198.9	190.5	189.0	189.0
32.5°	928.1	843.9	632.0	454.5	332.0	257.8	218.8	200.5	192.0	191.3	192.0
35°	1026.0	926.5	674.8	472.1	335.1	257.1	218.1	202.0	192.0	192.0	192.0
37.5°	1134.6	1007.6	710.8	484.3	335.9	254.8	217.3	201.2	192.0	192.0	192.8
40°	1246.3	1094.1	750.6	494.2	335.1	253.2	216.5	201.2	192.0	192.0	192.8
42.5°	1357.3	1174.4	788.0	500.4	333.6	251.7	215.8	201.2	192.0	190.5	191.3
45°	1477.4	1267.8	824.0	504.2	332.0	250.9	215.8	200.5	192.0	189.0	189.7
47.5°	1589.1	1354.2	853.1	508.8	331.3	250.9	216.5	200.5	191.3	188.2	188.2
50°	1715.3	1443.7	882.9	510.3	329.8	250.9	216.5	200.5	190.5	185.9	186.7
52.5°	1840.0	1534.0	912.0	513.4	329.8	251.7	217.3	200.5	189.7	183.6	183.6
55°	1959.4	1614.3	938.0	515.7	329.8	253.2	219.6	200.5	189.0	181.3	181.3
57.5°	2068.8	1697.0	964.0	516.4	329.8	254.8	219.6	201.2	188.2	179.0	179.0
60°	2166.0	1768.1	982.4	517.2	329.0	256.3	221.1	200.5	187.4	176.7	176.7
62.5°	2234.8	1822.4	991.6	514.9	329.0	256.3	221.9	200.5	186.7	176.0	175.2
65°	2273.9	1841.6	986.2	508.0	327.5	256.3	221.1	199.7	185.2	174.4	173.7
67.5°	2260.8	1820.9	963.2	497.3	323.6	255.5	221.1	198.2	185.2	173.7	172.1
70°	2190.5	1758.9	919.6	481.2	318.3	252.5	218.1	195.9	183.6	172.9	171.4
72.5°	2052.7	1634.2	856.1	456.0	309.1	247.9	214.2	192.0	180.6	170.6	168.3
75°	1861.5	1485.8	778.9	430.0	297.6	241.8	209.6	188.2	176.7	167.6	165.3
77.5°	1615.9	1287.6	693.2	396.3	283.1	233.4	203.5	182.1	171.4	163.0	159.9
80°	1361.1	1084.9	600.6	361.1	267.8	222.6	194.3	174.4	164.5	156.8	153.0
82.5°	1101.7	891.3	514.1	327.5	250.2	210.4	185.2	166.0	156.8	148.4	144.6
85°	869.1	704.6	430.7	292.3	231.8	198.2	174.4	156.1	147.7	138.5	134.7
87.5°	676.3	559.3	360.4	260.1	211.9	184.4	163.0	146.1	136.2	127.8	124.7
90°	527.1	440.7	301.4	229.5	194.3	170.6	150.7	135.4	125.5	117.1	113.2
92.5°	401.7	348.9	252.5	202.7	176.7	156.8	139.2	124.7	114.8	105.6	101.8
95°	314.5	277.0	213.5	178.3	159.1	142.3	127.8	114.0	103.3	93.3	91.0
97.5°	244.1	221.9	179.8	156.1	143.8	128.5	115.5	103.3	92.6	82.6	80.3
100°	192.8	176.7	152.3	138.5	127.8	115.5	104.1	93.3	81.9	71.2	70.4
102.5°	152.3	145.4	129.3	121.6	113.2	104.1	94.1	82.6	71.2	61.2	60.4
105°	124.7	118.6	110.9	106.3	101.0	92.6	83.4	73.4	62.0	52.8	52.8
107.5°	101.0	97.9	94.1	93.3	89.5	82.6	75.0	65.0	53.6	45.9	45.9
110°	82.6	81.9	81.9	81.9	79.6	74.2	66.6	56.6	45.1	39.8	39.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	69.6	69.6	70.4	71.9	70.4	65.0	58.1	49.0	39.0	34.4	34.4
115°	58.9	59.7	62.0	62.7	62.0	58.1	51.3	42.1	32.9	29.8	30.6
117.5°	51.3	51.3	54.3	55.9	55.1	51.3	44.4	36.0	28.3	26.8	26.8
120°	44.4	45.9	48.2	49.0	48.2	44.4	39.0	30.6	24.5	23.7	23.7
122.5°	39.0	39.8	42.1	43.6	42.1	39.0	32.9	26.0	20.7	20.7	21.4
125°	34.4	35.2	36.7	38.3	36.7	32.9	28.3	21.4	18.4	18.4	18.4
127.5°	30.6	31.4	32.9	32.9	31.4	28.3	23.7	18.4	15.3	16.1	16.1
130°	26.8	27.5	28.3	28.3	27.5	24.5	19.9	15.3	13.8	14.5	14.5
132.5°	23.7	24.5	24.5	24.5	23.0	20.7	16.8	13.0	12.2	13.0	13.0
135°	20.7	20.7	21.4	20.7	19.1	16.8	13.0	10.7	10.7	11.5	11.5
137.5°	17.6	18.4	18.4	16.8	15.3	13.0	10.7	9.2	9.2	9.9	9.9
140°	14.5	15.3	14.5	13.8	12.2	10.7	8.4	6.9	7.7	8.4	8.4
142.5°	12.2	12.2	12.2	10.7	9.2	7.7	6.1	6.1	6.9	6.9	7.7
145°	9.2	9.2	9.2	8.4	6.9	5.4	4.6	4.6	5.4	6.1	6.1
147.5°	6.9	6.9	6.9	6.1	4.6	3.8	3.1	3.8	4.6	5.4	4.6
150°	4.6	4.6	4.6	3.8	3.1	2.3	2.3	3.1	3.8	3.8	3.8
152.5°	3.1	3.1	3.1	3.1	2.3	0.8	1.5	2.3	3.1	3.1	3.1
155°	2.3	2.3	2.3	2.3	1.5	0.0	0.8	1.5	2.3	2.3	2.3
157.5°	1.5	1.5	1.5	1.5	0.8	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.8	1.5	1.5	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)