

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: P254962

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA 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: 6044.6 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

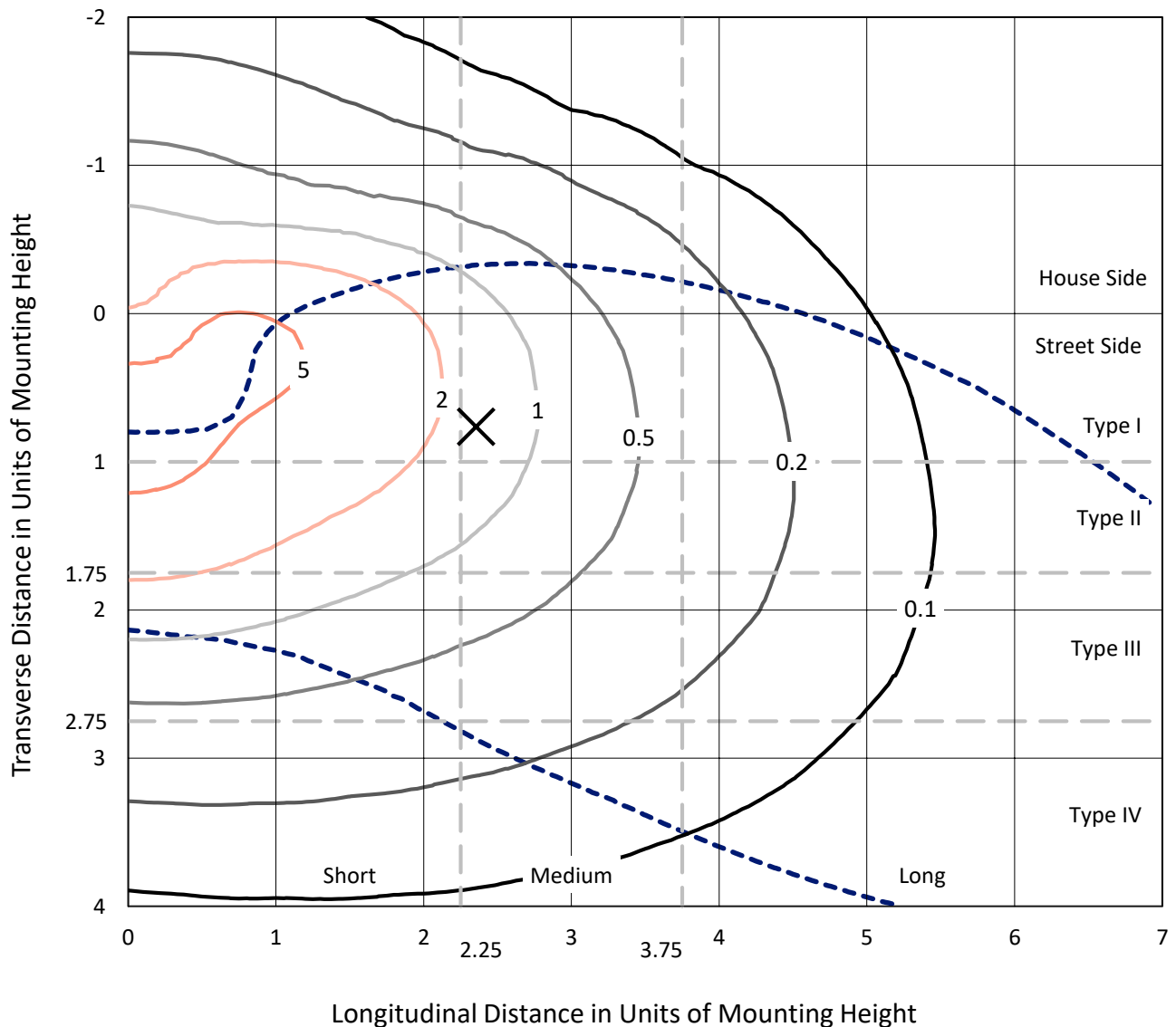
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

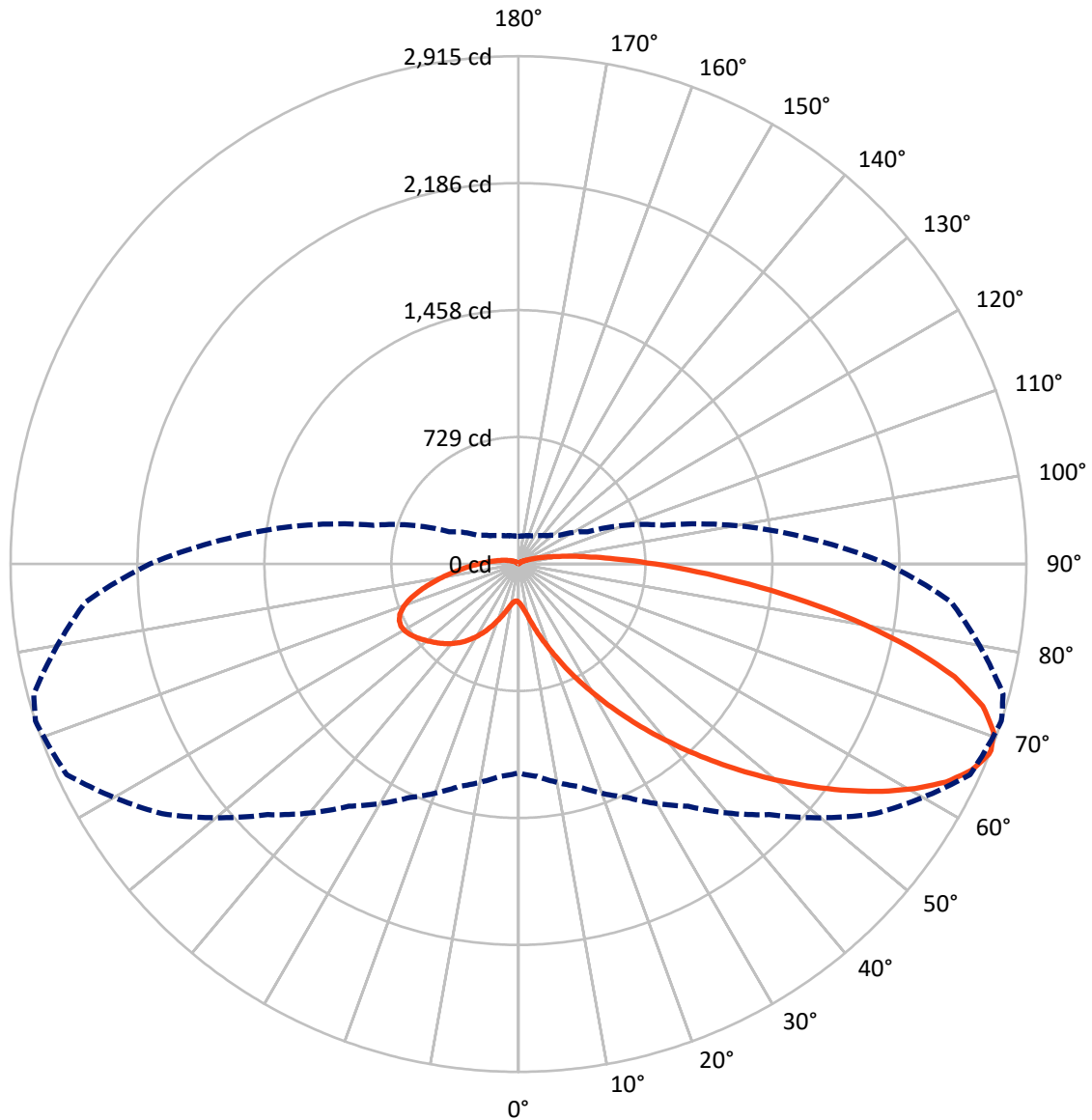


Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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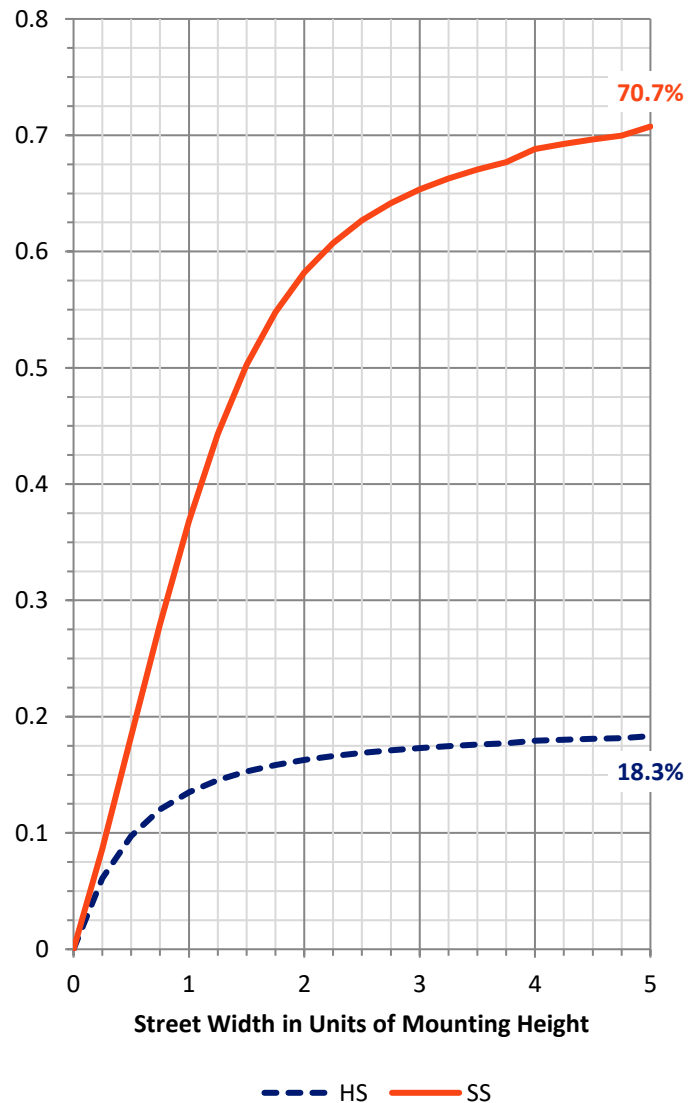
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.7	138.4	1300.0
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	4459.3	285.3	4744.6
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	5621.0	423.6	6044.6
	% Fixture	93.0	7.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.1	0.4
10°-20°	96.0	1.6
20°-30°	237.4	3.9
30°-40°	464.4	7.7
40°-50°	773.8	12.8
50°-60°	1102.3	18.2
60°-70°	1277.0	21.1
70°-80°	1066.5	17.6
80°-90°	580.6	9.6
90°-100°	243.7	4.0
100°-110°	101.5	1.7
110°-120°	45.8	0.8
120°-130°	21.4	0.4
130°-140°	8.9	0.1
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5621.0	93.0
0°-180°	6044.6	100.0



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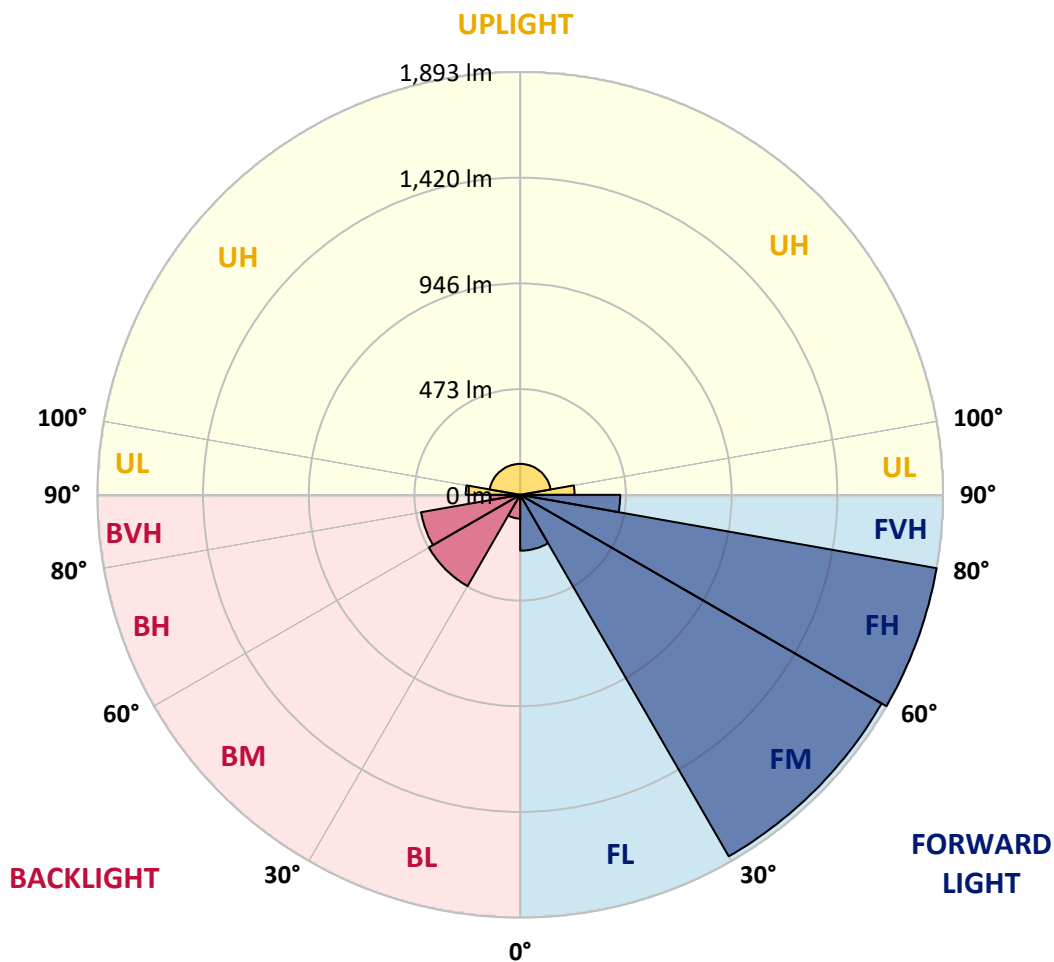
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.1	4.1			
FM	(30°-60°)	1868.7	30.9			
FH	(60°-80°)	1893.0	31.3			G2/5000
FVH	(80°-90°)	447.6	7.4			G3/500
BL	(0°-30°)	106.4	1.8	B0/110		
BM	(30°-60°)	471.8	7.8	B1/1000		
BH	(60°-80°)	450.5	7.5	B1/500		G1/500
BVH	(80°-90°)	133.0	2.2			G2/225
UL	(90°-100°)	243.7	4.0		U3/500	
UH	(100°-180°)	138.4	2.3		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°	75°	85°
0°	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
2.5°	251.5	251.5	252.3	250.0	247.7	245.4	240.1	235.5	231.6	229.3	224.7
5°	285.9	286.7	285.2	282.8	279.1	273.7	266.1	256.9	249.2	247.7	237.0
7.5°	326.4	326.4	324.9	321.1	316.5	308.8	297.4	285.2	274.5	272.2	256.1
10°	373.1	373.1	372.4	366.2	359.4	350.2	336.3	323.4	308.8	304.2	282.8
12.5°	428.1	427.4	425.0	417.5	409.0	397.5	382.3	366.2	352.4	347.1	321.1
15°	487.7	487.7	484.7	474.8	464.8	451.0	437.3	423.5	405.9	399.9	366.9
17.5°	553.5	552.7	546.7	537.5	523.6	513.0	500.0	484.0	464.8	457.2	418.9
20°	627.7	625.3	616.9	604.8	592.5	578.7	565.7	543.6	527.5	522.9	478.5
22.5°	711.8	707.9	697.2	680.4	665.8	649.1	635.3	616.2	601.7	593.2	549.6
25°	805.8	804.2	791.3	763.7	743.1	723.9	710.2	701.0	688.0	675.9	625.3
27.5°	908.3	904.4	883.0	855.5	823.4	802.0	789.0	782.0	774.5	767.5	708.7
30°	1018.3	1016.0	987.8	953.3	910.5	883.0	873.8	874.6	873.1	866.1	801.2
32.5°	1137.6	1136.1	1100.9	1057.3	1003.8	967.1	964.8	976.3	978.6	974.0	900.6
35°	1265.3	1263.8	1223.2	1168.9	1101.6	1058.9	1061.9	1084.0	1094.0	1090.2	1006.9
37.5°	1395.2	1393.7	1351.6	1285.1	1202.6	1153.7	1162.8	1199.5	1218.6	1215.6	1120.0
40°	1538.2	1524.4	1480.8	1401.3	1307.3	1253.0	1273.7	1322.6	1350.9	1340.2	1238.5
42.5°	1662.0	1652.1	1604.7	1516.0	1413.6	1363.9	1389.1	1453.3	1491.6	1488.5	1365.4
45°	1771.3	1766.7	1720.1	1625.4	1519.8	1470.2	1510.7	1593.2	1640.6	1632.2	1499.2
47.5°	1870.0	1862.3	1819.5	1724.0	1617.7	1581.8	1636.8	1737.0	1795.8	1790.5	1637.5
50°	1936.4	1933.5	1895.9	1805.0	1708.6	1678.0	1769.1	1892.9	1959.5	1953.3	1781.3
52.5°	1967.0	1966.3	1941.0	1864.6	1786.7	1791.2	1903.6	2052.7	2126.1	2123.7	1930.4
55°	1957.1	1956.4	1947.2	1896.8	1847.8	1885.3	2038.1	2215.5	2295.0	2293.6	2074.9
57.5°	1898.3	1901.4	1913.5	1895.2	1888.4	1971.6	2168.1	2374.6	2461.7	2457.1	2216.3
60°	1785.9	1792.7	1831.8	1854.7	1899.8	2032.8	2288.1	2531.3	2616.9	2609.2	2344.7
62.5°	1631.4	1647.5	1705.6	1775.1	1876.8	2074.1	2395.2	2670.4	2755.3	2739.3	2434.2
65°	1447.2	1465.6	1544.2	1659.0	1819.5	2080.2	2471.7	2784.4	2857.7	2837.1	2496.1
67.5°	1242.3	1265.3	1360.8	1511.4	1722.4	2047.3	2499.2	2854.6	2912.8	2879.9	2502.2
68°	1200.2	1223.2	1321.9	1478.6	1697.2	2034.3	2498.4	2860.8	2915.1	2879.9	2493.0
70°	1036.7	1061.1	1168.9	1342.4	1597.0	1969.4	2468.6	2853.9	2894.4	2851.6	2431.9
72.5°	850.2	874.6	983.2	1167.4	1443.4	1835.6	2363.8	2768.3	2787.3	2736.9	2284.4
75°	682.7	707.9	812.6	998.4	1276.7	1676.5	2190.3	2589.4	2585.5	2526.7	2061.9
77.5°	540.5	563.4	662.9	838.6	1105.5	1482.4	1967.0	2322.6	2297.3	2235.5	1779.0
80°	425.0	445.7	535.9	697.2	940.3	1279.0	1700.2	1997.6	1955.6	1892.2	1474.7
82.5°	331.8	350.9	430.5	573.4	788.2	1081.1	1413.6	1654.4	1596.3	1538.2	1182.7
85°	259.2	274.5	344.8	467.9	651.3	893.8	1162.8	1321.0	1259.9	1209.4	922.0
87.5°	202.5	215.6	275.2	379.9	537.5	726.3	927.3	1029.0	971.7	930.4	707.2
90°	159.0	168.2	221.7	308.1	433.4	585.6	728.5	789.7	738.5	706.4	539.7
92.5°	126.1	133.0	176.6	250.0	349.3	464.8	564.2	598.6	555.8	532.1	409.8
95°	101.0	106.3	143.0	204.1	284.4	367.8	434.2	451.8	418.2	399.9	311.2
97.5°	82.6	86.4	117.7	165.9	227.8	292.1	336.3	343.3	315.8	302.0	237.7
100°	68.8	71.1	97.1	137.6	185.1	232.4	262.2	263.0	240.1	228.6	181.2
102.5°	58.1	59.6	81.0	114.7	152.9	186.6	206.4	202.5	182.0	172.8	139.1
105°	49.7	51.2	68.0	96.4	127.7	151.4	162.9	156.7	139.1	132.3	107.8
107.5°	43.6	44.3	57.4	81.0	107.0	124.6	131.4	123.1	107.8	101.7	84.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	38.3	39.0	48.9	69.6	90.2	104.8	107.0	97.1	84.1	79.5	68.0
112.5°	33.7	34.4	42.9	58.8	77.2	87.9	88.7	77.9	66.5	62.7	55.0
115°	30.6	31.3	37.4	50.4	65.8	74.2	73.3	62.7	52.8	49.7	45.1
117.5°	28.3	29.1	33.7	43.6	56.6	62.7	61.2	51.2	42.9	40.5	38.3
120°	26.0	26.8	29.8	37.4	48.2	53.5	50.4	41.3	35.2	33.7	32.1
122.5°	24.4	24.4	26.8	32.8	41.3	45.1	42.0	34.4	29.1	27.5	27.5
125°	22.2	22.9	24.4	28.3	35.2	38.3	35.2	28.3	23.7	23.7	23.7
127.5°	21.4	21.4	22.2	25.3	29.8	32.1	29.1	22.9	19.8	19.8	20.7
130°	19.8	19.8	19.8	22.2	25.3	26.0	22.9	18.3	16.8	16.8	17.6
132.5°	18.3	18.3	18.3	19.1	20.7	20.7	18.3	15.2	14.5	14.5	15.2
135°	16.8	16.8	16.1	16.1	16.8	16.1	14.5	12.3	11.5	12.3	13.0
137.5°	14.5	14.5	14.5	13.8	13.0	12.3	9.9	9.2	9.2	9.9	10.7
140°	12.3	12.3	12.3	10.7	9.9	8.4	6.9	6.1	6.9	7.7	8.4
142.5°	9.9	9.9	9.9	8.4	6.9	5.3	3.8	3.8	4.6	5.3	6.1
145°	7.7	7.7	7.7	6.1	4.6	3.1	2.3	3.1	3.8	3.8	4.6
147.5°	5.3	5.3	5.3	3.8	2.3	0.7	0.7	2.3	3.1	3.1	3.8
150°	3.1	3.1	3.1	1.5	0.7	0.0	0.0	1.5	2.3	2.3	3.1
152.5°	0.7	0.7	1.5	0.7	0.0	0.0	0.0	0.7	1.5	1.5	2.3
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
2.5°	221.7	219.4	214.1	208.7	204.1	200.3	197.2	195.7	194.2	193.4	191.9
5°	231.6	226.3	215.6	205.6	196.5	188.8	181.2	176.6	173.5	171.2	170.5
7.5°	248.5	240.1	224.0	208.7	194.2	180.4	171.2	165.1	159.8	156.7	156.0
10°	272.9	262.2	238.6	216.4	196.5	178.9	165.9	156.7	150.6	147.5	147.5
12.5°	308.1	292.1	260.6	230.2	202.5	180.4	164.4	156.0	151.4	149.0	149.0
15°	351.7	330.3	289.7	250.0	214.8	187.3	171.2	162.0	157.5	155.2	155.2
17.5°	399.9	372.4	321.8	271.4	227.1	199.6	178.9	168.2	162.9	160.5	160.5
20°	454.9	423.5	356.3	292.8	243.2	211.0	187.3	173.5	168.2	166.6	165.9
22.5°	517.6	477.0	393.7	315.0	259.2	220.1	194.2	178.1	173.5	172.1	172.1
25°	587.2	538.2	434.2	338.7	272.2	227.1	199.6	183.5	178.1	177.4	176.6
27.5°	660.5	603.2	474.8	361.6	282.1	230.9	202.5	188.0	182.0	182.0	181.2
30°	746.1	671.3	513.7	380.7	288.3	232.4	203.4	190.4	185.1	185.8	186.6
32.5°	831.8	743.1	552.7	397.5	292.8	233.1	203.4	191.1	185.8	188.0	188.0
35°	922.8	817.2	590.2	411.3	295.1	232.4	203.4	192.6	186.6	188.8	189.6
37.5°	1018.3	892.9	626.1	422.0	296.7	231.6	203.4	192.6	187.3	189.6	189.6
40°	1116.1	968.6	660.5	429.6	296.7	230.9	202.5	192.6	188.8	188.8	189.6
42.5°	1221.7	1047.4	691.9	435.8	296.7	229.3	202.5	192.6	187.3	188.0	188.8
45°	1333.3	1128.4	721.7	440.4	295.8	229.3	201.8	191.9	186.6	185.8	186.6
47.5°	1442.7	1212.5	750.7	445.0	295.1	230.2	201.8	191.1	185.1	182.0	182.7
50°	1563.4	1299.7	780.5	448.0	295.8	230.2	202.5	190.4	182.7	178.9	179.6
52.5°	1682.7	1386.8	809.6	451.8	295.8	230.9	202.5	188.8	180.4	175.0	175.8
55°	1808.8	1473.2	837.9	455.6	296.7	231.6	203.4	187.3	178.1	172.1	172.8
57.5°	1919.0	1555.8	863.2	458.0	296.7	233.1	203.4	186.6	175.8	169.0	169.0
60°	2019.8	1632.2	883.7	458.7	296.7	233.1	203.4	185.1	174.3	165.9	165.9
62.5°	2096.2	1683.5	893.8	457.2	295.1	233.1	202.5	183.5	172.8	163.6	163.6
65°	2135.3	1705.6	889.1	451.8	293.6	232.4	201.8	181.2	170.5	162.0	161.3
67.5°	2125.3	1688.8	867.0	441.1	289.7	230.2	199.6	178.1	169.0	160.5	159.0
68°	2115.4	1675.8	860.1	438.0	287.4	229.3	198.8	178.1	168.2	160.5	159.0
70°	2048.2	1619.9	824.1	425.0	283.7	226.3	196.5	175.0	165.9	159.0	157.5
72.5°	1905.9	1499.2	763.7	402.9	274.5	221.0	191.1	171.2	162.9	156.7	154.5
75°	1701.8	1337.9	688.0	376.9	263.0	214.1	184.2	165.9	158.3	152.9	150.6
77.5°	1469.4	1148.3	604.8	345.6	249.2	205.6	176.6	159.8	152.9	148.3	144.4
80°	1215.6	953.3	520.6	312.7	233.9	195.0	168.2	152.1	146.0	140.7	137.6
82.5°	974.8	772.1	441.1	281.3	215.6	181.2	158.3	143.0	136.9	132.3	128.5
85°	763.7	615.4	369.3	249.2	198.8	169.0	147.5	133.0	127.7	122.3	118.5
87.5°	591.7	484.0	309.6	219.4	179.6	155.2	136.9	123.1	116.9	110.9	107.8
90°	457.2	380.7	256.1	191.1	162.9	142.2	125.4	112.4	105.5	100.1	97.1
92.5°	352.4	300.4	212.6	167.5	145.3	128.5	114.0	102.4	94.8	87.9	85.6
95°	272.9	237.7	176.6	145.3	129.2	115.5	103.2	91.8	83.4	76.4	74.2
97.5°	212.6	188.0	146.8	125.4	114.0	102.4	91.8	81.8	73.3	65.0	63.4
100°	164.4	149.0	123.1	108.5	100.1	90.2	81.0	72.6	62.7	55.0	54.3
102.5°	129.2	119.3	103.2	94.0	87.2	79.5	71.9	63.4	53.5	45.8	45.1
105°	102.4	96.4	86.4	80.3	75.7	69.6	63.4	55.0	44.3	38.3	38.3
107.5°	81.8	77.9	72.6	68.8	65.8	60.4	55.0	46.6	36.7	31.3	32.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	66.5	64.2	61.2	59.6	57.4	52.8	47.4	39.8	30.6	26.0	26.8
112.5°	54.3	53.5	52.0	51.2	49.7	45.8	40.5	32.8	24.4	22.2	22.2
115°	45.1	44.3	44.3	43.6	42.9	39.8	34.4	27.5	19.8	18.3	18.3
117.5°	38.3	38.3	37.4	37.4	36.7	33.7	29.1	22.9	16.1	15.2	15.2
120°	32.1	32.1	32.1	32.1	31.3	28.3	24.4	18.3	13.0	13.0	13.0
122.5°	27.5	28.3	27.5	27.5	26.8	24.4	19.8	14.5	10.7	10.7	11.5
125°	23.7	23.7	23.7	22.9	22.2	19.8	16.1	11.5	9.2	9.2	9.2
127.5°	20.7	20.7	20.7	19.8	18.3	16.8	13.0	9.2	7.7	7.7	7.7
130°	18.3	17.6	17.6	16.8	15.2	13.0	9.9	6.9	6.1	6.1	6.1
132.5°	15.2	15.2	14.5	13.8	12.3	9.9	7.7	4.6	4.6	5.3	5.3
135°	13.0	13.0	12.3	10.7	9.2	7.7	5.3	3.8	3.8	3.8	3.8
137.5°	10.7	10.7	9.9	8.4	6.9	4.6	3.1	2.3	2.3	3.1	3.1
140°	8.4	8.4	7.7	6.1	4.6	3.1	1.5	0.7	1.5	1.5	1.5
142.5°	6.1	6.1	5.3	3.8	2.3	1.5	0.0	0.7	0.7	0.7	0.7
145°	4.6	4.6	3.8	3.1	1.5	0.7	0.0	0.0	0.7	0.0	0.0
147.5°	3.8	3.8	3.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)