

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: P266148

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266148  
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-AF24-70-D-U-SL3-FL-7027  
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: 5756.4 lumens  
Efficiency: N/A  
Efficacy: 77.8 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

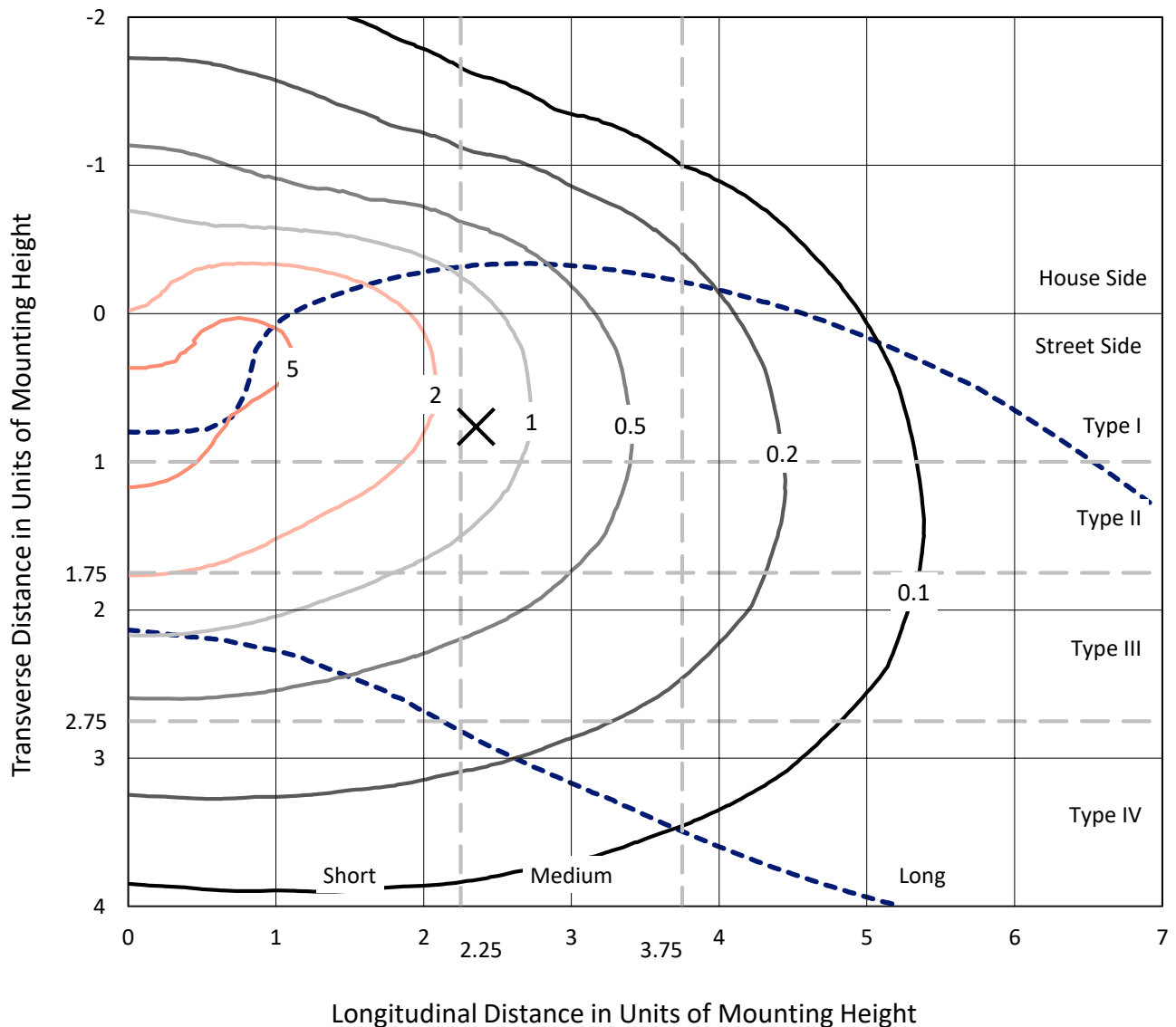


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

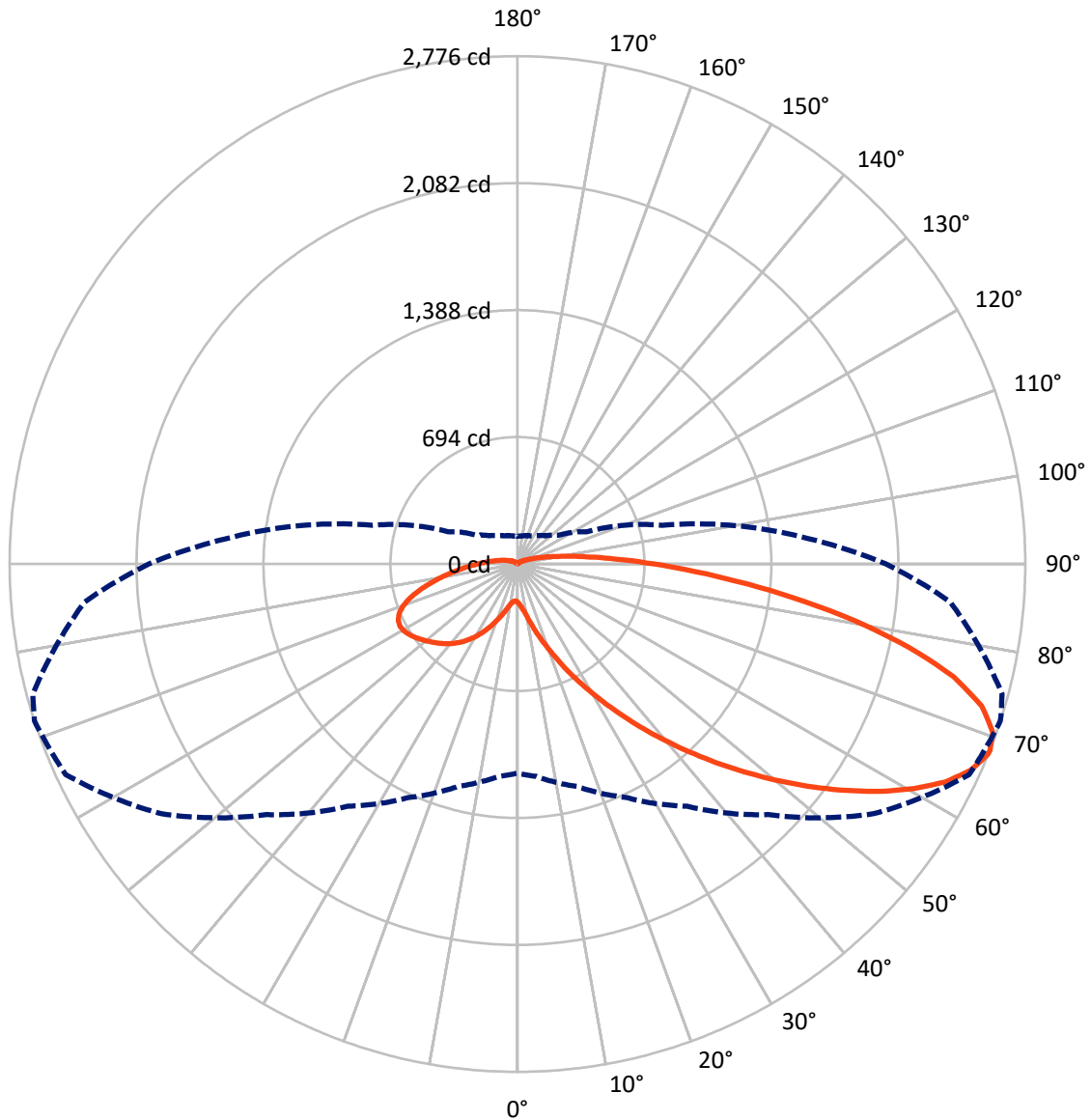


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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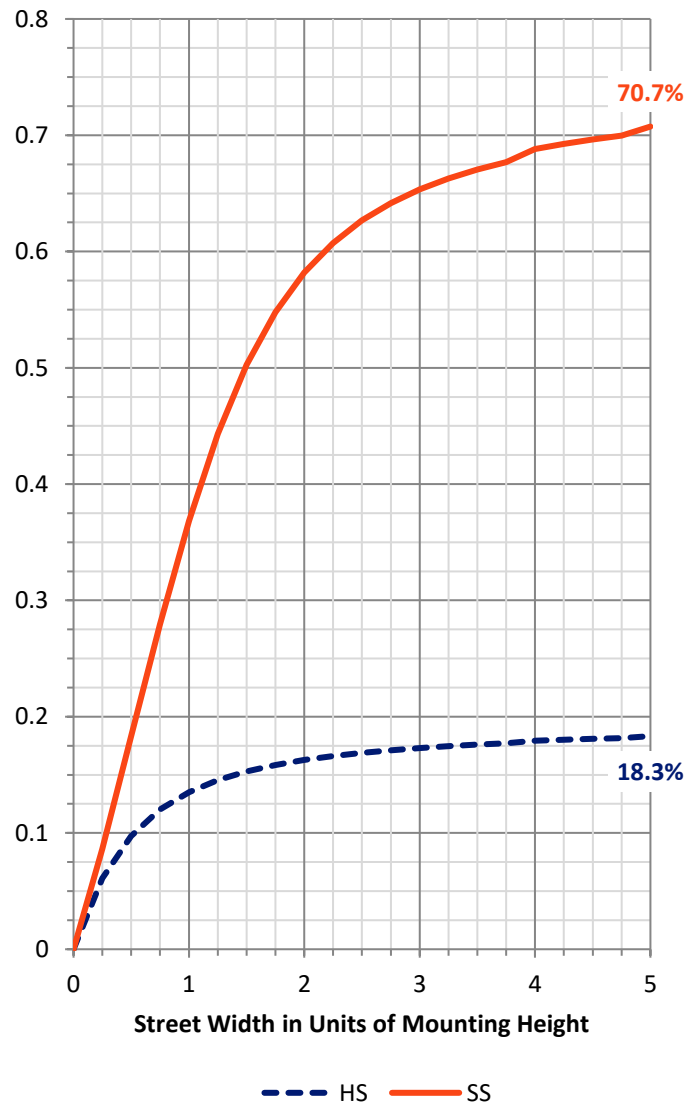
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1106.3	131.8	1238.0
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	4246.7	271.7	4518.3
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	5352.9	403.4	5756.4
	% Fixture	93.0	7.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.0	0.4
10°-20°	91.4	1.6
20°-30°	226.0	3.9
30°-40°	442.2	7.7
40°-50°	736.9	12.8
50°-60°	1049.7	18.2
60°-70°	1216.1	21.1
70°-80°	1015.6	17.6
80°-90°	552.9	9.6
90°-100°	232.1	4.0
100°-110°	96.7	1.7
110°-120°	43.6	0.8
120°-130°	20.3	0.4
130°-140°	8.5	0.1
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5352.9	93.0
0°-180°	5756.4	100.0



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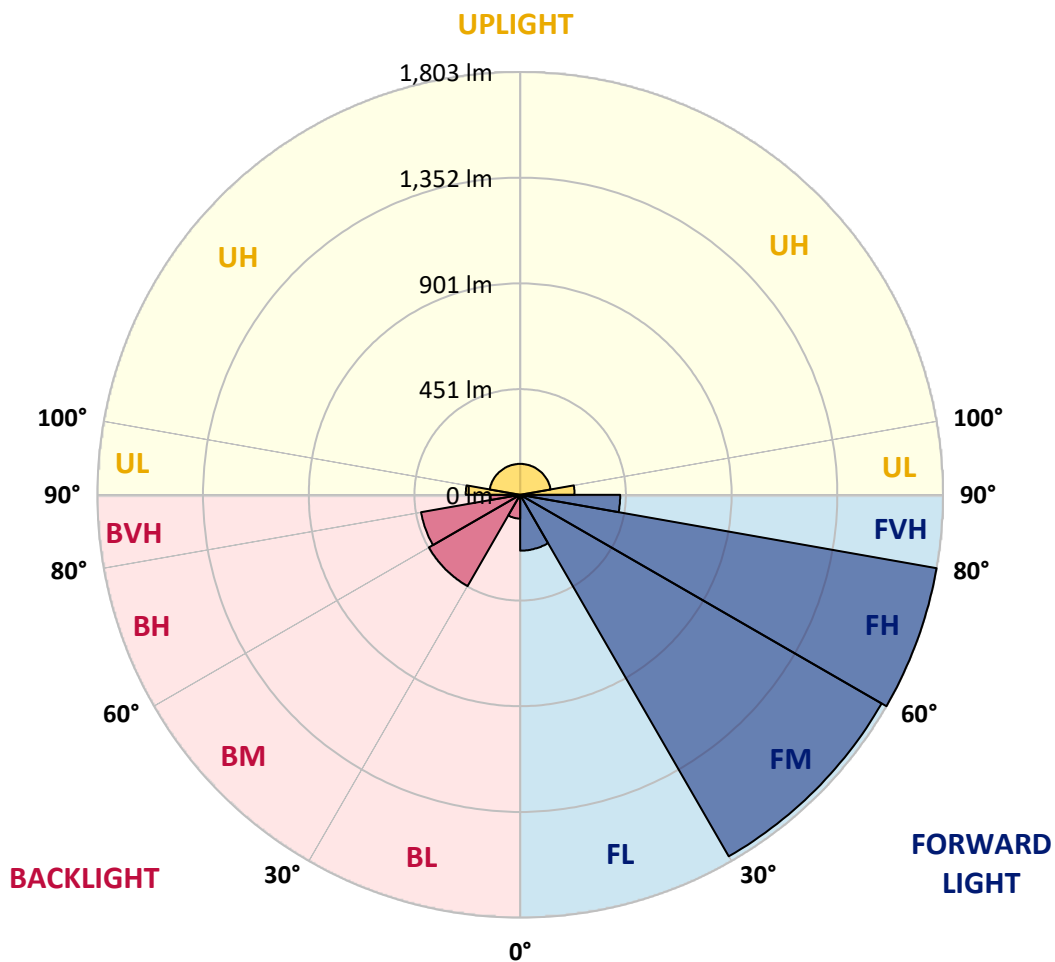
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.1	4.1			
FM	(30°-60°)	1779.6	30.9			
FH	(60°-80°)	1802.7	31.3			G2/5000
FVH	(80°-90°)	426.2	7.4			G3/500
BL	(0°-30°)	101.3	1.8	B0/110		
BM	(30°-60°)	449.3	7.8	B1/1000		
BH	(60°-80°)	429.0	7.5	B1/500		G1/500
BVH	(80°-90°)	126.7	2.2			G2/225
UL	(90°-100°)	232.1	4.0		U3/500	
UH	(100°-180°)	131.8	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°	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9
2.5°	239.5	239.5	240.2	238.1	235.9	233.6	228.6	224.2	220.7	218.4	214.1
5°	272.2	273.1	271.6	269.4	265.8	260.7	253.3	244.6	237.3	235.9	225.7
7.5°	310.9	310.9	309.5	305.9	301.4	294.1	283.2	271.6	261.3	259.3	243.9
10°	355.3	355.3	354.6	348.7	342.2	333.5	320.3	307.9	294.1	289.8	269.4
12.5°	407.7	407.0	404.7	397.5	389.5	378.5	364.1	348.7	335.6	330.5	305.9
15°	464.6	464.6	461.5	452.0	442.7	429.6	416.5	403.2	386.6	380.8	349.5
17.5°	527.1	526.3	520.6	511.9	498.6	488.5	476.1	460.9	442.7	435.4	398.9
20°	597.7	595.5	587.5	576.0	564.2	551.1	538.8	517.7	502.3	498.0	455.8
22.5°	677.9	674.2	663.9	647.9	634.2	618.2	605.0	586.9	572.9	564.9	523.4
25°	767.3	766.0	753.5	727.3	707.7	689.4	676.3	667.6	655.3	643.5	595.5
27.5°	864.9	861.2	841.0	814.8	784.1	763.6	751.3	744.8	737.5	731.0	674.8
30°	969.8	967.6	940.6	907.8	867.1	841.0	832.2	832.9	831.4	824.9	763.0
32.5°	1083.4	1081.9	1048.4	1006.9	955.9	921.0	918.7	929.7	931.9	927.5	857.6
35°	1204.9	1203.5	1164.9	1113.2	1049.1	1008.3	1011.2	1032.4	1041.9	1038.3	958.9
37.5°	1328.8	1327.2	1287.2	1223.9	1145.2	1098.6	1107.4	1142.4	1160.5	1157.6	1066.6
40°	1464.9	1451.8	1410.2	1334.5	1245.1	1193.3	1212.9	1259.6	1286.5	1276.3	1179.5
42.5°	1582.8	1573.3	1528.1	1443.8	1346.2	1298.8	1322.8	1384.0	1420.4	1417.5	1300.2
45°	1686.8	1682.5	1638.1	1547.8	1447.3	1400.1	1438.6	1517.2	1562.4	1554.3	1427.6
47.5°	1780.8	1773.6	1732.8	1641.7	1540.6	1506.4	1558.7	1654.0	1710.3	1705.2	1559.5
50°	1844.1	1841.3	1805.6	1718.9	1627.2	1598.1	1684.7	1802.7	1866.0	1860.2	1696.4
52.5°	1873.2	1872.5	1848.5	1775.7	1701.5	1705.8	1812.8	1954.8	2024.7	2022.5	1838.3
55°	1863.9	1863.1	1854.3	1806.3	1759.7	1795.4	1941.0	2109.8	2185.5	2184.1	1975.9
57.5°	1807.7	1810.7	1822.3	1804.9	1798.2	1877.6	2064.8	2261.4	2344.3	2339.9	2110.6
60°	1700.8	1707.3	1744.4	1766.2	1809.1	1935.8	2179.1	2410.6	2492.1	2484.8	2232.9
62.5°	1553.7	1568.9	1624.2	1690.5	1787.4	1975.3	2280.9	2543.1	2623.9	2608.6	2318.0
65°	1378.2	1395.6	1470.6	1579.8	1732.8	1981.0	2353.7	2651.5	2721.4	2701.8	2377.1
67.5°	1183.1	1204.9	1296.0	1439.4	1640.2	1949.7	2380.0	2718.5	2773.8	2742.5	2382.9
68°	1143.1	1164.9	1258.7	1408.1	1616.3	1937.4	2379.3	2724.4	2776.0	2742.5	2374.2
70°	987.2	1010.6	1113.2	1278.5	1520.9	1875.4	2350.9	2717.8	2756.4	2715.7	2315.9
72.5°	809.6	832.9	936.3	1111.7	1374.5	1748.0	2251.2	2636.3	2654.5	2606.4	2175.4
75°	650.2	674.2	773.9	950.9	1215.9	1596.6	2085.9	2465.8	2462.3	2406.2	1963.5
77.5°	514.6	536.6	631.1	798.7	1052.8	1411.6	1873.2	2211.7	2187.8	2128.9	1694.2
80°	404.7	424.4	510.3	663.9	895.5	1218.0	1619.1	1902.4	1862.4	1801.9	1404.4
82.5°	315.9	334.2	409.8	546.0	750.7	1029.5	1346.2	1575.4	1520.2	1464.9	1126.3
85°	246.9	261.3	328.3	445.6	620.3	851.1	1107.4	1258.0	1199.9	1151.7	878.1
87.5°	193.0	205.4	262.0	361.8	511.9	691.6	883.2	980.0	925.3	886.1	673.5
90°	151.5	160.2	211.1	293.3	412.9	557.7	693.9	752.2	703.4	672.7	514.0
92.5°	120.2	126.8	168.3	238.1	332.7	442.7	537.2	570.1	529.3	506.7	390.3
95°	96.1	101.1	136.2	194.5	270.7	350.2	413.5	430.3	398.3	380.8	296.4
97.5°	78.6	82.3	112.1	158.0	217.0	278.1	320.3	327.0	300.8	287.5	226.5
100°	65.5	67.7	92.4	131.1	176.2	221.3	249.6	250.4	228.6	217.7	172.6
102.5°	55.3	56.9	77.2	109.2	145.6	177.7	196.5	193.0	173.3	164.5	132.5
105°	47.3	48.8	64.8	91.7	121.6	144.2	155.0	149.3	132.5	125.9	102.6
107.5°	41.5	42.2	54.5	77.2	102.0	118.7	125.3	117.1	102.6	96.8	80.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	36.4	37.1	46.6	66.3	85.9	99.7	102.0	92.4	80.0	75.6	64.8
112.5°	32.0	32.8	40.8	56.1	73.5	83.7	84.4	74.3	63.3	59.6	52.5
115°	29.1	29.9	35.7	48.1	62.6	70.6	69.9	59.6	50.2	47.3	42.9
117.5°	26.9	27.7	32.0	41.5	53.9	59.6	58.2	48.8	40.8	38.5	36.4
120°	24.8	25.5	28.3	35.7	45.9	50.9	48.1	39.3	33.4	32.0	30.6
122.5°	23.3	23.3	25.5	31.4	39.3	42.9	40.1	32.8	27.7	26.2	26.2
125°	21.1	21.9	23.3	26.9	33.4	36.4	33.4	26.9	22.5	22.5	22.5
127.5°	20.4	20.4	21.1	24.1	28.3	30.6	27.7	21.9	19.0	19.0	19.7
130°	19.0	19.0	19.0	21.1	24.1	24.8	21.9	17.4	16.0	16.0	16.8
132.5°	17.4	17.4	17.4	18.1	19.7	19.7	17.4	14.6	13.8	13.8	14.6
135°	16.0	16.0	15.4	15.4	16.0	15.4	13.8	11.7	10.9	11.7	12.3
137.5°	13.8	13.8	13.8	13.1	12.3	11.7	9.4	8.8	8.8	9.4	10.2
140°	11.7	11.7	11.7	10.2	9.4	8.1	6.6	5.7	6.6	7.2	8.1
142.5°	9.4	9.4	9.4	8.1	6.6	5.1	3.7	3.7	4.4	5.1	5.7
145°	7.2	7.2	7.2	5.7	4.4	3.0	2.2	3.0	3.7	3.7	4.4
147.5°	5.1	5.1	5.1	3.7	2.2	0.7	0.7	2.2	3.0	3.0	3.7
150°	3.0	3.0	3.0	1.4	0.7	0.0	0.0	1.4	2.2	2.2	3.0
152.5°	0.7	0.7	1.4	0.7	0.0	0.0	0.0	0.7	1.4	1.4	2.2
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
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°	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9	208.9
2.5°	211.1	208.9	203.8	198.7	194.5	190.7	187.8	186.4	185.0	184.2	182.7
5°	220.7	215.6	205.4	195.8	187.0	179.8	172.6	168.3	165.3	163.1	162.4
7.5°	236.7	228.6	213.3	198.7	185.0	171.8	163.1	157.3	152.2	149.3	148.5
10°	259.9	249.6	227.1	206.0	187.0	170.4	158.0	149.3	143.4	140.6	140.6
12.5°	293.3	278.1	248.2	219.1	193.0	171.8	156.6	148.5	144.2	141.9	141.9
15°	334.9	314.5	275.9	238.1	204.5	178.4	163.1	154.4	149.9	147.9	147.9
17.5°	380.8	354.6	306.5	258.4	216.2	190.0	170.4	160.2	155.0	152.9	152.9
20°	433.3	403.2	339.3	278.8	231.6	201.0	178.4	165.3	160.2	158.7	158.0
22.5°	492.9	454.4	375.0	299.9	246.9	209.7	185.0	169.6	165.3	163.9	163.9
25°	559.1	512.6	413.5	322.5	259.3	216.2	190.0	174.7	169.6	168.9	168.3
27.5°	629.1	574.5	452.0	344.4	268.7	219.8	193.0	179.1	173.3	173.3	172.6
30°	710.6	639.2	489.2	362.6	274.5	221.3	193.7	181.3	176.2	177.0	177.7
32.5°	792.1	707.7	526.3	378.5	278.8	222.1	193.7	181.9	177.0	179.1	179.1
35°	878.7	778.3	562.1	391.8	281.0	221.3	193.7	183.4	177.7	179.8	180.6
37.5°	969.8	850.3	596.3	401.9	282.4	220.7	193.7	183.4	178.4	180.6	180.6
40°	1063.0	922.4	629.1	409.2	282.4	219.8	193.0	183.4	179.8	179.8	180.6
42.5°	1163.5	997.4	658.8	414.9	282.4	218.4	193.0	183.4	178.4	179.1	179.8
45°	1269.8	1074.6	687.3	419.4	281.8	218.4	192.1	182.7	177.7	177.0	177.7
47.5°	1373.9	1154.7	715.0	423.7	281.0	219.1	192.1	181.9	176.2	173.3	174.0
50°	1488.9	1237.7	743.3	426.6	281.8	219.1	193.0	181.3	174.0	170.4	171.0
52.5°	1602.4	1320.7	771.0	430.3	281.8	219.8	193.0	179.8	171.8	166.7	167.4
55°	1722.6	1403.0	798.0	433.9	282.4	220.7	193.7	178.4	169.6	163.9	164.5
57.5°	1827.4	1481.6	821.9	436.0	282.4	222.1	193.7	177.7	167.4	160.8	160.8
60°	1923.5	1554.3	841.6	436.8	282.4	222.1	193.7	176.2	165.9	158.0	158.0
62.5°	1996.4	1603.1	851.1	435.4	281.0	222.1	193.0	174.7	164.5	155.8	155.8
65°	2033.5	1624.2	846.7	430.3	279.6	221.3	192.1	172.6	162.4	154.4	153.6
67.5°	2024.1	1608.2	825.6	420.0	275.9	219.1	190.0	169.6	160.8	152.9	151.5
68°	2014.4	1595.8	819.1	417.2	273.8	218.4	189.4	169.6	160.2	152.9	151.5
70°	1950.4	1542.7	784.8	404.7	270.1	215.6	187.0	166.7	158.0	151.5	149.9
72.5°	1815.0	1427.6	727.3	383.7	261.3	210.5	181.9	163.1	155.0	149.3	147.1
75°	1620.6	1274.1	655.3	359.0	250.4	203.8	175.4	158.0	150.6	145.6	143.4
77.5°	1399.3	1093.5	576.0	329.0	237.3	195.8	168.3	152.2	145.6	141.3	137.6
80°	1157.6	907.8	495.9	297.8	222.8	185.7	160.2	144.8	139.1	133.9	131.1
82.5°	928.3	735.4	420.0	268.0	205.4	172.6	150.6	136.2	130.3	125.9	122.3
85°	727.3	586.1	351.6	237.3	189.4	160.8	140.6	126.8	121.6	116.5	112.8
87.5°	563.4	460.9	294.9	208.9	171.0	147.9	130.3	117.1	111.4	105.6	102.6
90°	435.4	362.6	243.9	181.9	155.0	135.5	119.5	107.0	100.5	95.4	92.4
92.5°	335.6	286.1	202.4	159.4	138.2	122.3	108.4	97.6	90.3	83.7	81.6
95°	259.9	226.5	168.3	138.2	123.1	110.0	98.3	87.3	79.4	72.9	70.6
97.5°	202.4	179.1	139.7	119.5	108.4	97.6	87.3	78.0	69.9	62.0	60.5
100°	156.6	141.9	117.1	103.3	95.4	85.9	77.2	69.2	59.6	52.5	51.7
102.5°	123.1	113.5	98.3	89.6	83.1	75.6	68.5	60.5	50.9	43.7	42.9
105°	97.6	91.7	82.3	76.4	72.0	66.3	60.5	52.5	42.2	36.4	36.4
107.5°	78.0	74.3	69.2	65.5	62.6	57.5	52.5	44.3	34.9	29.9	30.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	63.3	61.2	58.2	56.9	54.5	50.2	45.2	37.9	29.1	24.8	25.5
112.5°	51.7	50.9	49.4	48.8	47.3	43.7	38.5	31.4	23.3	21.1	21.1
115°	42.9	42.2	42.2	41.5	40.8	37.9	32.8	26.2	19.0	17.4	17.4
117.5°	36.4	36.4	35.7	35.7	34.9	32.0	27.7	21.9	15.4	14.6	14.6
120°	30.6	30.6	30.6	30.6	29.9	26.9	23.3	17.4	12.3	12.3	12.3
122.5°	26.2	26.9	26.2	26.2	25.5	23.3	19.0	13.8	10.2	10.2	10.9
125°	22.5	22.5	22.5	21.9	21.1	19.0	15.4	10.9	8.8	8.8	8.8
127.5°	19.7	19.7	19.7	19.0	17.4	16.0	12.3	8.8	7.2	7.2	7.2
130°	17.4	16.8	16.8	16.0	14.6	12.3	9.4	6.6	5.7	5.7	5.7
132.5°	14.6	14.6	13.8	13.1	11.7	9.4	7.2	4.4	4.4	5.1	5.1
135°	12.3	12.3	11.7	10.2	8.8	7.2	5.1	3.7	3.7	3.7	3.7
137.5°	10.2	10.2	9.4	8.1	6.6	4.4	3.0	2.2	2.2	3.0	3.0
140°	8.1	8.1	7.2	5.7	4.4	3.0	1.4	0.7	1.4	1.4	1.4
142.5°	5.7	5.7	5.1	3.7	2.2	1.4	0.0	0.7	0.7	0.7	0.7
145°	4.4	4.4	3.7	3.0	1.4	0.7	0.0	0.0	0.7	0.0	0.0
147.5°	3.7	3.7	3.0	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.0	2.2	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	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)