

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: P266196

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T4W-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-80-D-U-T4W-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6622 lumens  
Efficiency: N/A  
Efficacy: 79.8 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: B2 - U3 - G3

Input Watts (W): 83  
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

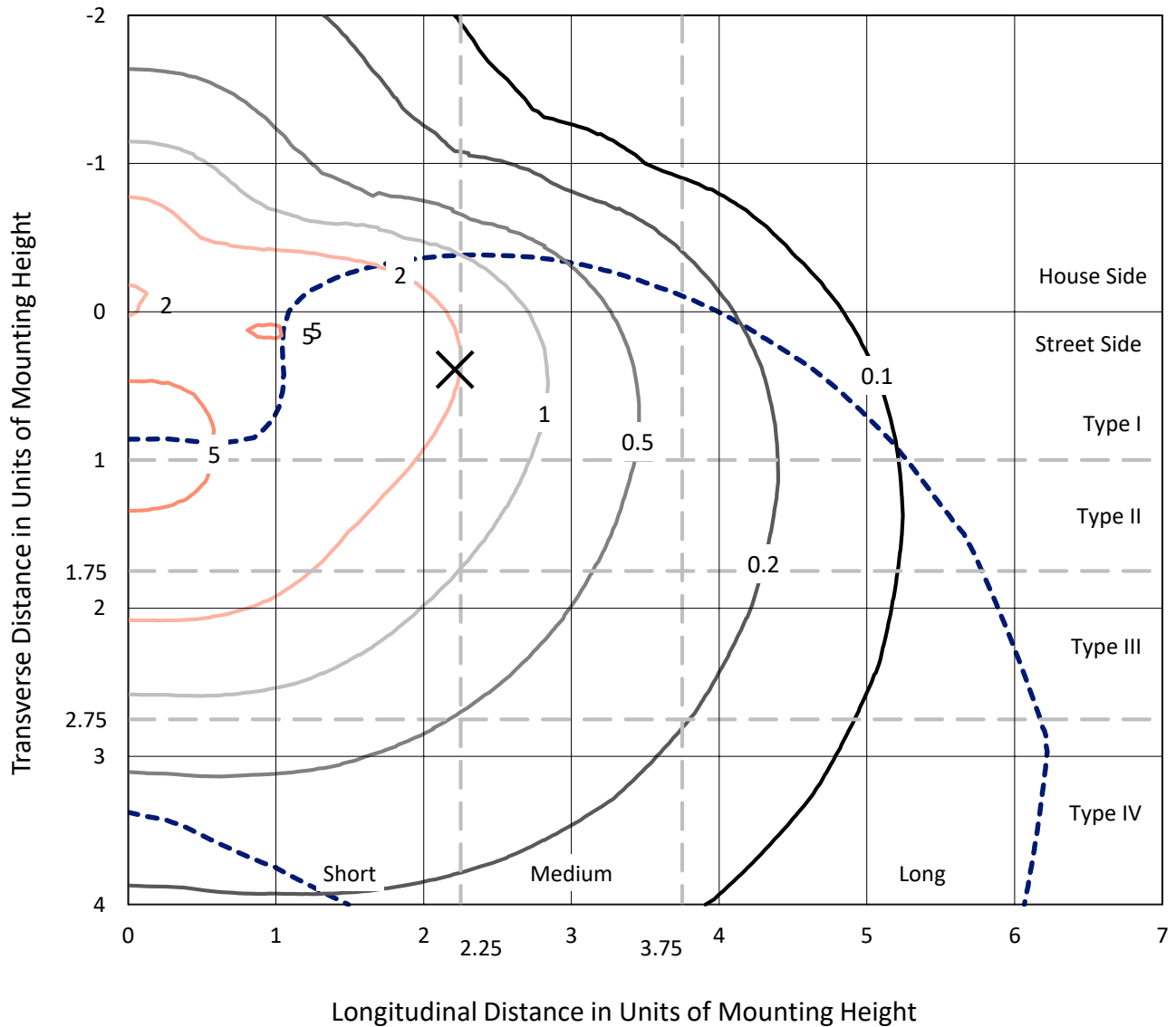


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

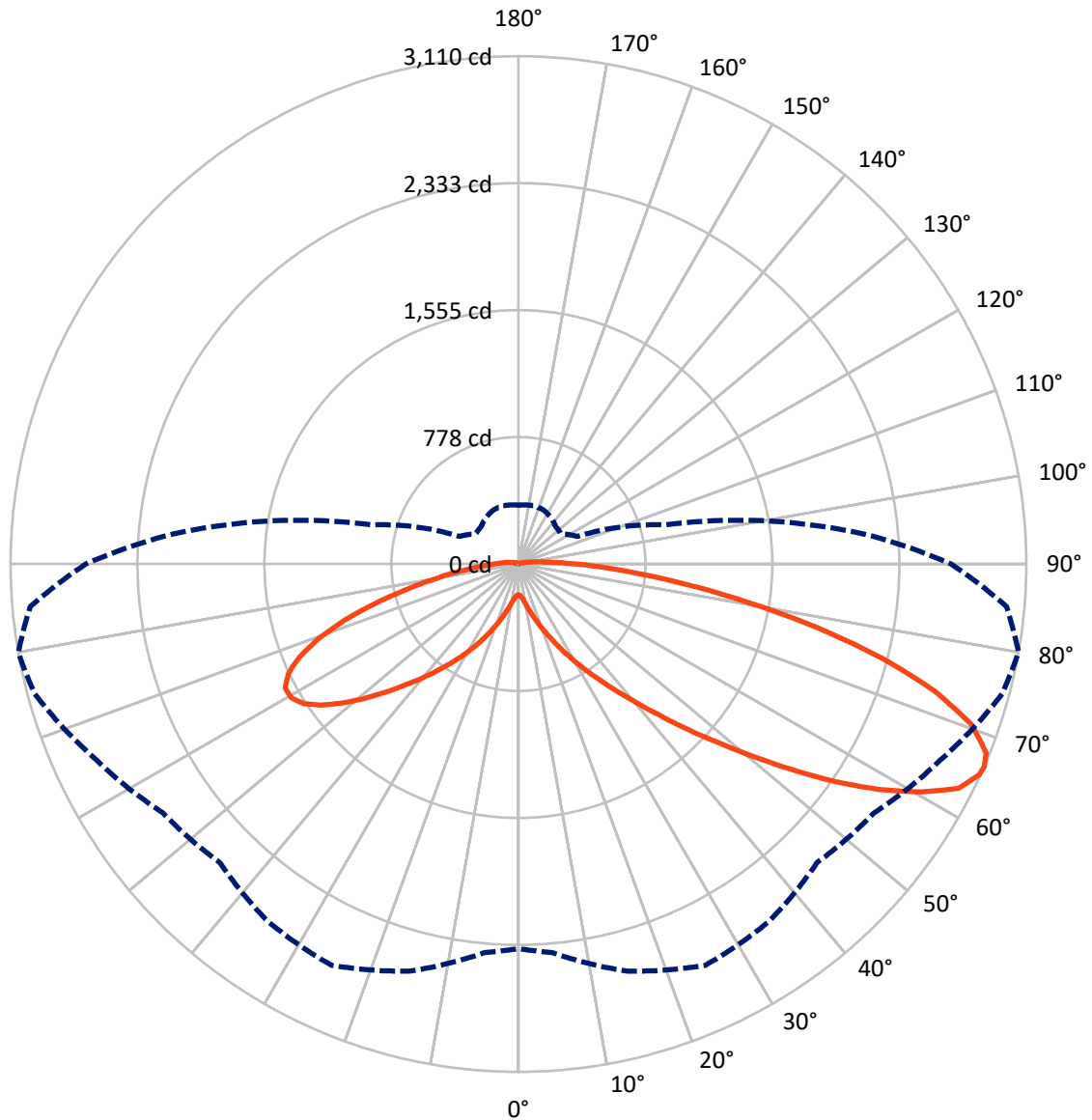


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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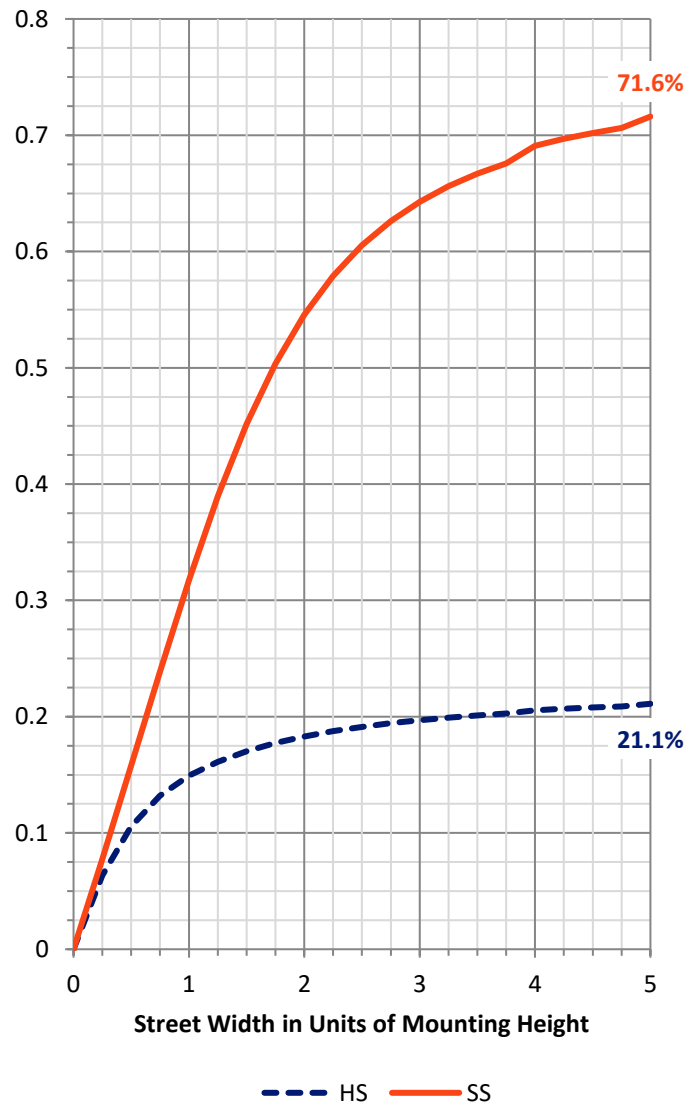
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1468.5	94.7	1563.2
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	4932.1	126.8	5058.8
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	6400.6	221.4	6622.0
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.4	0.3
10°-20°	89.9	1.4
20°-30°	229.5	3.5
30°-40°	454.2	6.9
40°-50°	787.2	11.9
50°-60°	1255.3	19.0
60°-70°	1632.0	24.6
70°-80°	1349.8	20.4
80°-90°	582.3	8.8
90°-100°	151.9	2.3
100°-110°	44.7	0.7
110°-120°	16.7	0.3
120°-130°	5.8	0.1
130°-140°	1.8	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6400.6	96.7
0°-180°	6622.0	100.0



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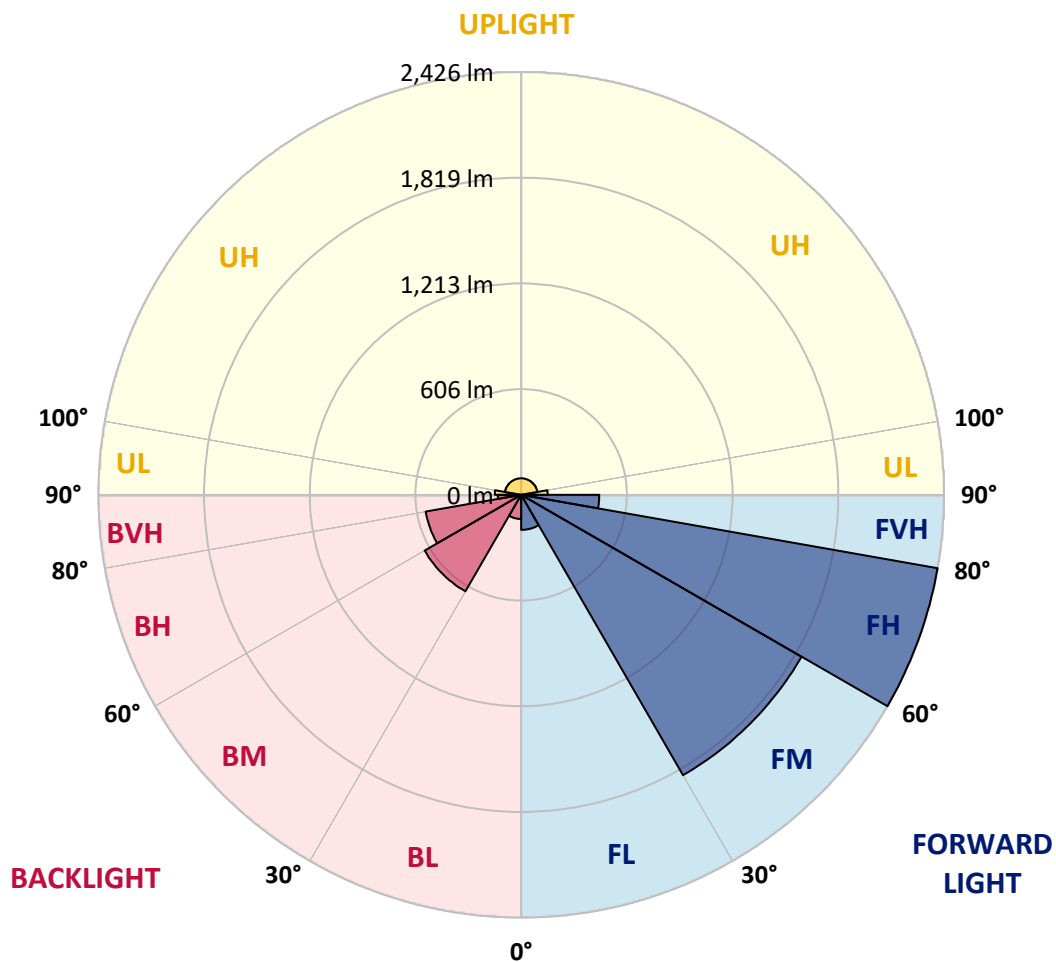
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T4W-TL-7027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.2	3.0			
FM (30°-60°)	1857.1	28.0			
FH (60°-80°)	2425.6	36.6			G2/5000
FVH (80°-90°)	448.2	6.8			G3/500
BL (0°-30°)	138.6	2.1	B1/500		
BM (30°-60°)	639.6	9.7	B1/1000		
BH (60°-80°)	556.1	8.4	B2/1000		G2/1000
BVH (80°-90°)	134.2	2.0			G2/225
UL (90°-100°)	151.9	2.3		U3/500	
UH (100°-180°)	94.7	1.4		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
2.5°	202.9	202.2	202.9	202.9	202.2	201.4	199.0	197.4	195.0	193.3	192.5
5°	219.6	218.8	218.8	218.8	218.1	216.5	213.3	210.2	206.9	204.5	203.7
7.5°	243.5	241.1	241.1	240.3	238.8	236.3	232.4	229.2	226.1	222.1	220.4
10°	276.1	274.6	272.1	270.6	266.5	264.2	259.4	255.5	253.1	249.9	246.8
12.5°	315.1	317.6	315.9	309.6	304.9	300.8	294.5	292.0	289.8	285.8	283.3
15°	366.1	367.6	363.8	357.3	349.4	344.6	338.2	332.6	331.0	326.4	323.1
17.5°	424.2	427.4	421.0	411.5	401.2	390.0	385.3	379.7	377.3	372.4	369.3
20°	493.3	496.7	487.9	473.5	458.5	442.4	436.9	430.6	429.7	425.0	422.7
22.5°	574.6	577.0	563.4	542.8	521.2	500.5	491.8	485.4	486.3	482.3	481.5
25°	668.5	669.2	650.3	623.2	590.5	562.7	550.8	547.5	550.8	548.3	546.8
27.5°	774.3	773.6	756.1	714.0	664.6	626.4	612.0	612.9	620.0	621.5	621.5
30°	891.4	894.5	865.1	810.2	745.8	693.2	678.1	681.3	701.9	701.9	701.9
32.5°	1027.4	1026.7	993.3	913.7	833.3	768.8	748.8	752.2	777.6	789.5	785.5
35°	1179.5	1177.9	1136.4	1034.6	928.8	849.2	822.0	837.2	872.3	885.8	882.7
37.5°	1342.5	1342.5	1294.1	1169.1	1033.1	936.8	907.3	923.9	973.4	995.6	983.6
40°	1509.7	1510.5	1453.3	1321.1	1151.5	1032.2	998.7	1028.2	1097.5	1119.0	1111.1
42.5°	1676.9	1672.0	1618.7	1471.6	1278.9	1139.7	1099.0	1148.5	1232.7	1263.0	1251.9
45°	1845.6	1842.5	1793.8	1630.0	1418.2	1255.9	1213.7	1277.4	1387.3	1435.8	1424.6
47.5°	2008.7	2008.7	1963.3	1789.1	1569.3	1388.1	1349.8	1428.6	1567.8	1621.3	1623.5
50°	2162.3	2164.7	2125.7	1963.3	1723.8	1533.6	1500.2	1602.8	1784.4	1842.5	1846.3
52.5°	2305.6	2312.0	2286.5	2144.9	1896.5	1696.0	1672.0	1788.3	2000.7	2086.0	2096.3
55°	2432.9	2435.3	2432.2	2313.6	2073.9	1866.3	1858.4	1997.7	2258.7	2350.1	2350.1
57.5°	2522.1	2536.5	2565.9	2469.5	2258.7	2052.4	2050.9	2215.0	2495.0	2604.0	2597.7
60°	2562.7	2578.6	2653.5	2608.8	2429.7	2239.6	2256.3	2441.8	2746.5	2834.1	2828.5
62.5°	2537.3	2557.8	2679.6	2701.9	2565.9	2413.8	2445.6	2645.4	2923.2	3025.9	2963.8
65°	2419.4	2449.7	2619.9	2722.7	2655.7	2546.8	2607.2	2805.3	3044.1	3104.6	3010.7
66°	2354.9	2388.4	2581.0	2710.6	2673.3	2585.7	2657.4	2847.5	3067.3	3110.2	3001.1
67.5°	2247.5	2274.6	2495.0	2667.7	2681.3	2638.2	2717.1	2888.9	3060.9	3089.5	2949.4
70°	1996.8	2030.2	2273.8	2533.9	2640.7	2671.6	2758.4	2884.2	2982.9	2943.0	2756.9
72.5°	1692.0	1744.5	1986.4	2304.1	2512.5	2620.7	2715.4	2780.0	2775.9	2667.7	2445.6
75°	1347.4	1380.1	1636.4	1980.1	2272.2	2473.6	2568.3	2557.0	2457.7	2295.3	2046.2
77.5°	1005.9	1038.6	1266.3	1605.2	1939.5	2194.2	2280.2	2231.6	2047.0	1867.0	1625.9
80°	708.4	737.0	927.2	1244.0	1567.1	1829.7	1901.4	1832.1	1606.0	1427.8	1222.5
82.5°	483.1	495.9	655.0	929.6	1221.7	1445.3	1514.5	1425.4	1209.7	1040.1	880.2
85°	296.9	315.1	444.9	662.1	898.6	1070.4	1124.6	1054.5	869.1	733.7	606.4
87.5°	173.6	183.9	275.4	446.5	646.2	787.2	814.9	749.6	596.0	496.7	402.7
90°	93.2	101.1	158.5	278.6	438.6	544.4	565.0	504.6	390.0	316.7	257.9
92.5°	54.9	59.6	94.7	168.0	280.9	358.2	372.4	323.8	245.1	202.9	168.7
95°	35.8	38.9	62.1	105.0	172.7	226.8	234.0	200.5	155.1	133.7	117.0
97.5°	26.3	27.8	44.6	71.7	109.1	139.2	144.8	124.1	102.6	92.3	83.5
100°	20.8	22.3	34.2	52.6	73.2	89.9	91.5	81.1	70.8	65.2	62.1
102.5°	17.4	18.3	27.8	41.4	54.9	63.7	64.5	57.3	50.1	46.9	46.2
105°	15.1	15.9	23.9	34.2	43.7	49.3	49.3	42.9	36.7	34.2	35.0
107.5°	12.8	13.6	19.9	28.7	36.7	40.7	39.7	33.4	27.0	24.7	25.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	11.1	11.9	17.4	24.7	31.8	34.2	32.6	26.3	19.1	17.4	18.3
112.5°	10.3	10.3	15.1	21.5	27.0	28.7	26.3	19.9	13.6	12.8	13.6
115°	8.8	9.5	12.8	18.3	22.3	23.9	21.5	15.1	9.5	9.5	10.3
117.5°	7.9	8.8	11.1	15.1	19.1	19.9	17.4	11.9	7.1	7.1	7.9
120°	7.1	7.1	9.5	12.8	15.9	15.9	13.6	8.8	5.6	5.6	6.4
122.5°	6.4	7.1	7.9	10.3	12.8	12.8	10.3	6.4	4.9	4.9	5.6
125°	5.6	6.4	7.1	8.8	10.3	10.3	7.9	4.9	4.0	4.9	4.9
127.5°	5.6	5.6	6.4	7.1	8.8	7.9	6.4	3.1	4.0	4.0	4.9
130°	4.9	4.9	5.6	5.6	6.4	6.4	4.9	3.1	3.1	4.0	4.0
132.5°	4.0	4.0	4.9	4.9	5.6	4.9	3.1	2.3	3.1	3.1	4.0
135°	3.1	3.1	3.1	4.0	4.0	3.1	2.3	2.3	3.1	3.1	3.1
137.5°	3.1	2.3	3.1	3.1	2.3	1.5	1.5	1.5	2.3	3.1	3.1
140°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	1.5	2.3	2.3	3.1
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3
145°	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8	1.5	1.5	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
2.5°	191.8	191.0	188.6	187.0	185.4	183.9	183.9	183.9	183.1	182.3	182.3
5°	202.2	200.5	197.4	194.3	190.3	187.0	185.4	184.6	183.1	181.5	181.5
7.5°	218.8	216.5	210.9	204.5	200.5	195.8	194.3	192.5	190.3	188.6	187.8
10°	244.2	240.3	231.7	223.7	215.7	209.3	206.9	205.4	203.7	203.7	203.7
12.5°	278.6	273.8	262.7	248.3	238.8	229.2	226.1	225.2	226.1	226.8	226.8
15°	318.3	310.4	296.0	276.9	263.5	253.1	249.9	249.9	251.4	252.2	252.2
17.5°	364.5	354.9	331.0	308.7	290.5	279.4	274.6	274.6	277.8	279.4	280.1
20°	413.0	402.7	375.6	339.7	316.7	304.0	298.4	299.2	303.2	307.2	307.9
22.5°	468.7	456.8	416.3	372.4	342.3	325.5	319.2	321.6	327.9	333.5	335.1
25°	532.4	517.3	464.0	407.6	365.3	343.1	338.2	343.1	352.6	359.7	360.5
27.5°	601.7	582.6	512.6	439.4	382.8	354.1	351.0	360.5	371.7	380.4	382.0
30°	678.8	655.0	563.4	467.2	396.3	362.9	359.7	372.4	386.0	396.3	397.9
32.5°	764.8	732.2	612.9	491.1	404.2	366.1	364.5	379.7	396.3	406.8	408.3
35°	857.9	814.9	665.4	510.1	407.6	365.3	364.5	382.0	399.6	409.8	410.6
37.5°	961.4	908.8	715.5	524.5	406.8	362.0	362.0	380.4	397.1	406.8	406.8
40°	1080.8	1010.8	770.3	534.0	402.7	356.5	357.3	374.1	390.0	396.3	397.1
42.5°	1216.8	1128.5	820.5	538.1	394.7	350.2	350.2	366.9	379.7	382.8	382.8
45°	1372.9	1259.9	875.5	537.1	386.8	343.1	343.8	358.2	367.6	368.5	367.6
47.5°	1559.8	1411.9	927.2	534.0	375.6	335.8	338.2	351.0	358.2	357.3	356.5
50°	1765.2	1575.7	978.2	526.9	366.1	331.0	334.3	346.1	352.6	350.2	348.6
52.5°	1987.3	1746.9	1023.4	515.6	355.8	327.2	332.6	344.6	350.2	346.1	346.1
55°	2217.2	1916.4	1059.3	499.0	346.9	324.6	333.5	344.6	351.0	346.9	346.9
57.5°	2425.8	2062.1	1076.0	480.0	339.7	323.8	335.1	348.6	354.1	351.0	351.0
60°	2589.8	2163.9	1064.9	457.6	332.6	323.1	338.2	353.4	359.7	355.8	355.8
62.5°	2687.5	2209.3	1025.1	433.7	327.2	323.8	343.1	360.5	365.3	360.5	359.0
65°	2683.6	2162.3	958.2	408.3	321.6	323.8	346.1	364.5	368.5	362.9	360.5
66°	2648.7	2121.7	923.9	398.7	319.9	323.1	346.9	364.5	369.3	362.9	360.5
67.5°	2582.5	2038.2	867.6	383.5	315.9	322.3	347.9	365.3	368.5	362.9	359.7
70°	2374.0	1852.8	761.7	358.2	308.7	318.3	345.4	362.9	365.3	360.5	357.3
72.5°	2062.1	1589.3	654.1	332.6	299.2	309.6	339.0	354.9	359.0	354.1	351.0
75°	1694.5	1289.2	546.8	307.9	284.9	296.9	326.4	342.3	346.9	343.1	339.0
77.5°	1317.2	986.9	444.1	284.1	268.2	280.9	308.7	323.1	327.9	323.1	320.8
80°	977.4	729.9	356.5	258.6	249.1	261.0	287.3	300.0	304.9	299.2	297.7
82.5°	701.1	529.2	284.1	230.9	226.1	237.2	261.0	272.1	276.1	272.9	267.4
85°	468.7	364.5	224.4	200.5	201.4	211.7	231.7	238.8	243.5	240.3	235.5
87.5°	317.6	249.9	177.4	170.3	172.7	179.9	198.2	203.7	206.9	202.9	202.2
90°	206.9	172.7	140.9	144.1	147.2	152.8	163.9	166.4	170.3	166.4	165.6
92.5°	140.9	126.5	114.7	120.2	124.1	128.2	134.4	136.2	139.2	136.2	134.4
95°	103.5	97.8	93.2	100.3	104.3	106.7	110.6	109.9	112.2	109.1	107.4
97.5°	78.8	75.5	76.4	82.7	86.7	88.4	89.9	88.4	89.1	86.0	84.4
100°	61.3	59.6	62.1	68.5	71.7	71.7	72.5	70.8	69.2	66.0	63.7
102.5°	46.9	46.9	50.1	56.6	58.8	58.8	58.1	55.8	53.3	50.1	50.1
105°	35.8	36.7	41.4	46.9	48.6	47.8	47.8	44.6	41.4	37.4	37.4
107.5°	27.0	27.8	32.6	38.2	39.7	39.7	38.2	35.0	31.0	27.8	27.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.9	21.5	26.3	31.0	32.6	31.8	31.0	27.0	23.0	20.8	19.9
112.5°	15.1	15.9	20.8	24.7	26.3	26.3	24.7	20.8	16.7	15.1	15.1
115°	11.1	12.8	15.9	19.9	20.8	20.8	19.1	15.9	11.9	10.3	11.1
117.5°	8.8	9.5	12.8	15.9	15.9	15.9	14.4	11.1	8.8	7.9	7.9
120°	7.1	7.9	9.5	11.9	11.9	11.9	10.3	7.9	6.4	5.6	6.4
122.5°	5.6	6.4	7.1	8.8	8.8	8.8	7.9	5.6	4.0	4.0	4.9
125°	5.6	5.6	5.6	6.4	6.4	6.4	5.6	4.0	3.1	3.1	3.1
127.5°	4.9	4.9	4.9	4.9	4.9	4.0	3.1	2.3	1.5	2.3	2.3
130°	4.9	4.9	4.0	4.0	3.1	2.3	1.5	0.8	0.8	1.5	1.5
132.5°	4.0	4.0	4.0	3.1	2.3	1.5	0.8	0.0	0.0	0.8	0.8
135°	4.0	4.0	3.1	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	3.1	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)