

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: P254362

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T4W-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-90-D-U-T4W-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 7901.6 lumens  
Efficiency: N/A  
Efficacy: 84.1 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: B2 - U3 - G4

Input Watts (W): 94  
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

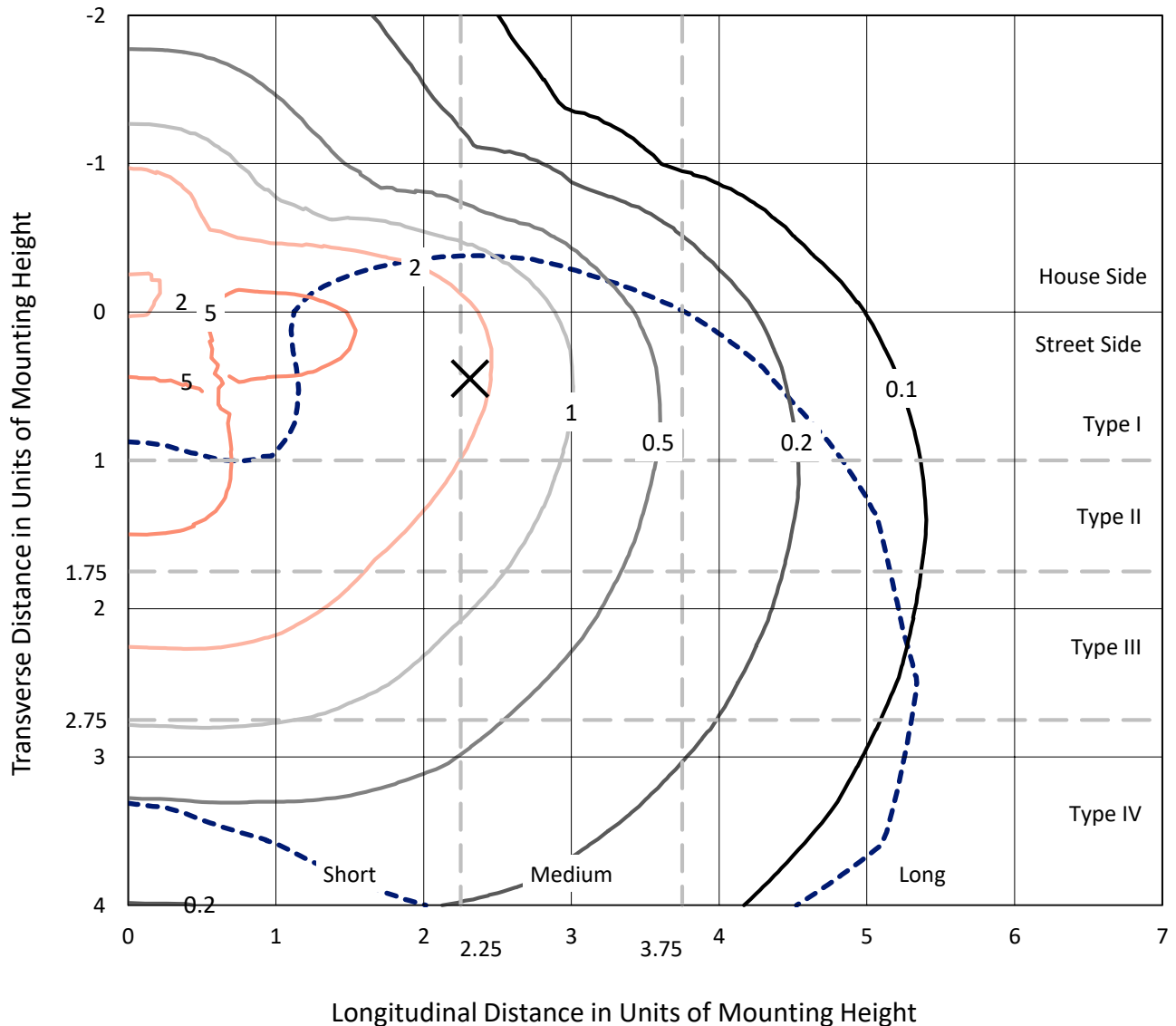


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

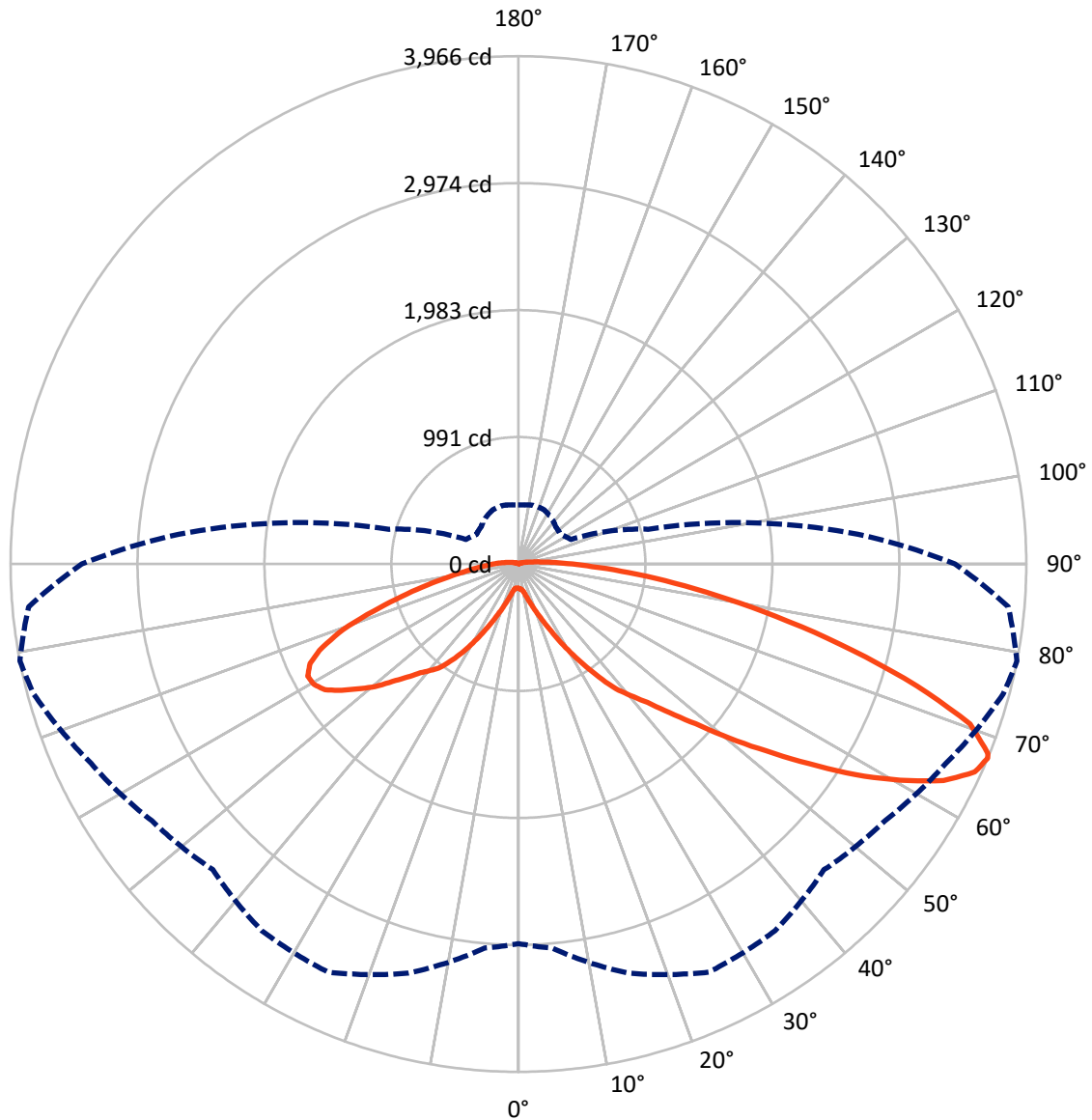


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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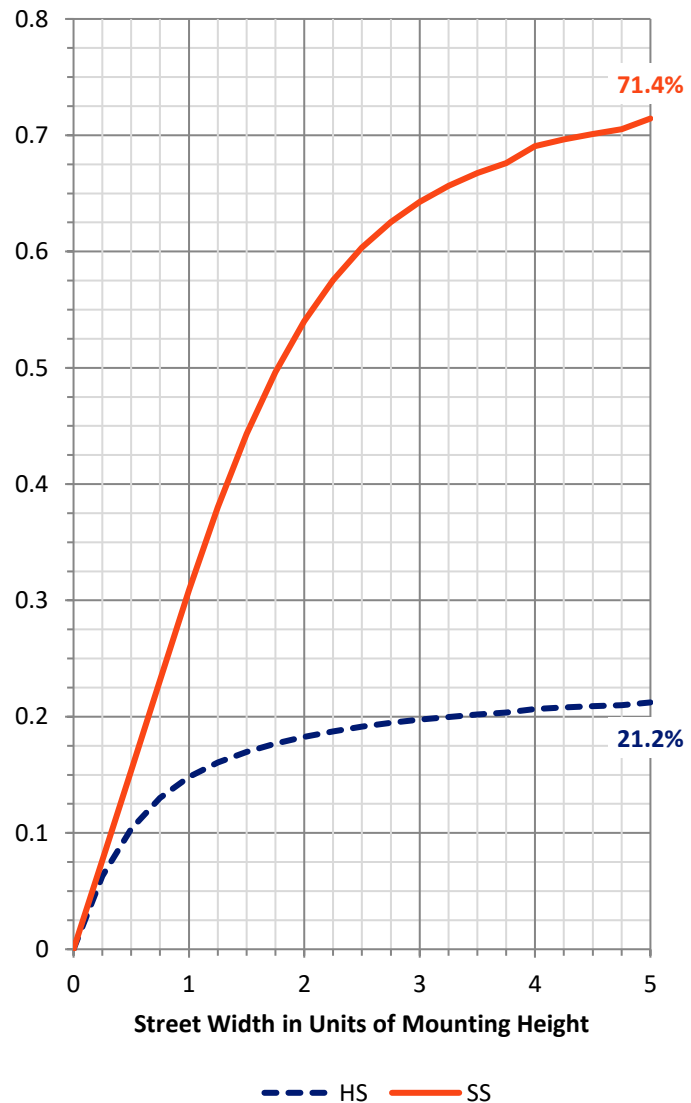
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1762.2	118.9	1881.0
	% Fixture	22.3	1.5	23.8
<b>Street Side</b>	Lumens	5855.8	164.8	6020.6
	% Fixture	74.1	2.1	76.2
<b>Total</b>	Lumens	7617.9	283.7	7901.6
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.2
10°-20°	81.2	1.0
20°-30°	234.2	3.0
30°-40°	531.1	6.7
40°-50°	922.8	11.7
50°-60°	1478.6	18.7
60°-70°	2060.4	26.1
70°-80°	1627.5	20.6
80°-90°	662.8	8.4
90°-100°	189.0	2.4
100°-110°	56.2	0.7
110°-120°	21.8	0.3
120°-130°	10.5	0.1
130°-140°	4.8	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7617.9	96.4
0°-180°	7901.6	100.0



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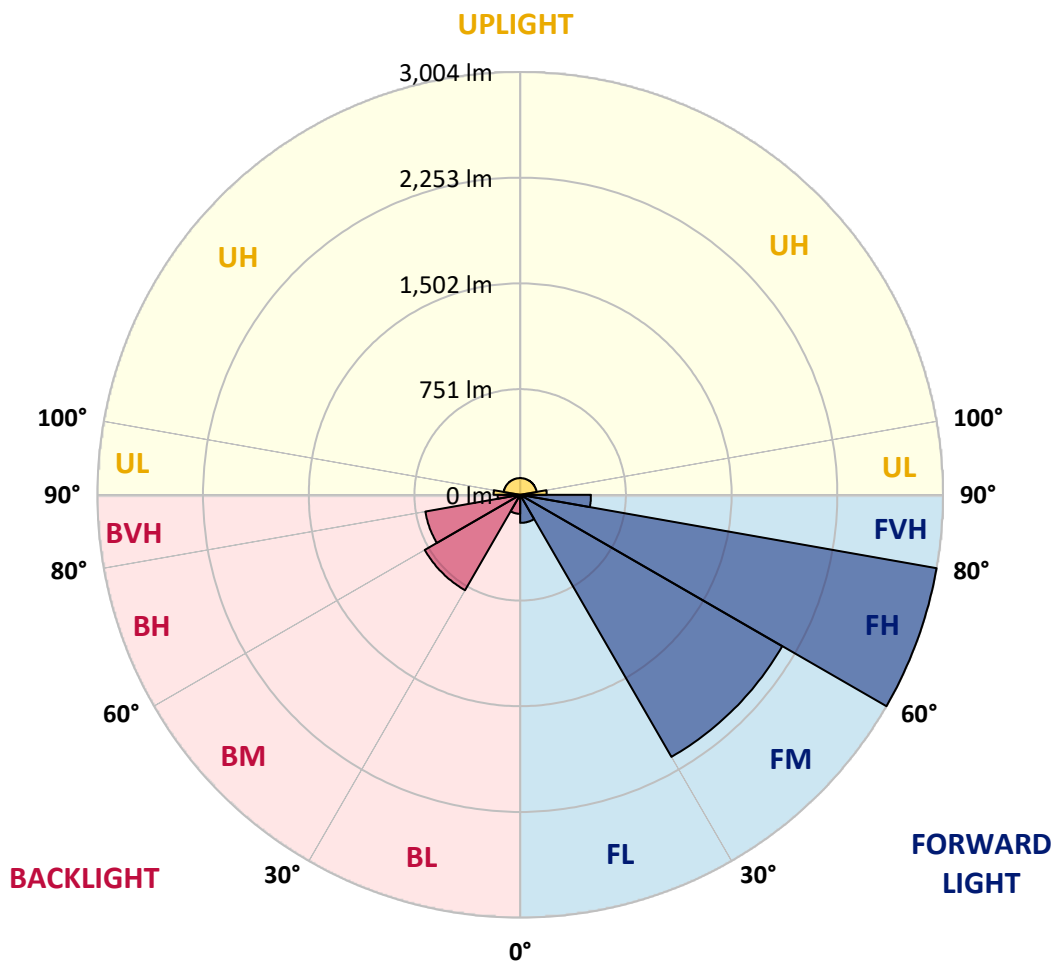
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T4W-A-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.5	2.5			
FM	(30°-60°)	2149.7	27.2			
FH	(60°-80°)	3003.7	38.0			G2/5000
FVH	(80°-90°)	502.8	6.4			G4/750
BL	(0°-30°)	135.1	1.7	B1/500		
BM	(30°-60°)	782.9	9.9	B1/1000		
BH	(60°-80°)	684.2	8.7	B2/1000		G2/1000
BVH	(80°-90°)	160.0	2.0			G2/225
UL	(90°-100°)	189.0	2.4		U3/500	
UH	(100°-180°)	118.9	1.5		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
2.5°	202.4	202.4	203.4	203.4	203.4	201.6	198.7	195.8	193.9	193.0	190.9
5°	217.8	216.8	217.8	216.8	216.8	212.9	208.2	203.4	199.6	197.8	194.8
7.5°	239.8	239.8	238.7	236.9	234.9	228.3	220.6	214.9	209.1	205.3	202.4
10°	267.4	268.3	266.5	261.6	257.0	248.3	239.8	232.0	223.6	218.7	214.9
12.5°	310.4	310.4	306.6	296.1	284.6	274.1	264.5	257.0	253.2	248.3	244.5
15°	364.0	363.0	357.2	341.0	325.7	307.6	300.9	296.1	293.3	289.4	284.6
17.5°	426.9	426.0	415.5	393.6	369.7	356.3	345.8	341.0	342.8	339.0	335.2
20°	502.4	500.5	484.2	453.7	429.8	411.7	400.2	395.4	401.2	398.2	395.4
22.5°	598.8	594.1	571.2	527.1	499.6	470.0	459.4	457.5	470.9	470.9	470.9
25°	713.5	708.6	674.3	623.7	575.0	538.6	528.2	538.6	560.6	563.6	569.2
27.5°	846.2	840.5	798.4	727.7	662.8	614.1	605.6	626.6	660.9	674.3	680.0
30°	1002.9	999.0	938.9	849.1	757.3	696.3	686.7	724.9	778.5	799.4	813.8
32.5°	1188.2	1183.4	1096.5	990.4	862.5	786.0	778.5	836.7	916.9	937.0	965.7
35°	1417.4	1412.6	1298.0	1150.0	979.9	881.6	881.6	957.0	1055.5	1083.1	1118.5
37.5°	1647.6	1646.6	1531.0	1333.3	1109.8	986.6	988.6	1075.4	1193.8	1237.0	1269.4
40°	1872.0	1873.9	1742.1	1515.8	1255.1	1102.2	1101.3	1189.1	1312.3	1349.6	1381.1
42.5°	2076.5	2075.5	1951.3	1709.7	1405.9	1227.3	1210.1	1296.2	1426.9	1477.5	1519.6
45°	2218.7	2229.2	2133.8	1884.4	1557.8	1357.2	1321.9	1417.4	1584.6	1654.3	1710.6
47.5°	2395.4	2396.4	2308.5	2048.7	1713.5	1491.9	1459.3	1579.8	1791.9	1864.4	1923.6
50°	2590.3	2599.9	2530.1	2255.0	1889.2	1643.8	1631.4	1783.2	2035.4	2137.5	2211.1
52.5°	2756.5	2768.0	2724.9	2490.9	2101.3	1838.7	1838.7	2031.5	2301.9	2424.1	2495.7
55°	2878.8	2897.8	2908.4	2717.3	2341.0	2066.8	2087.8	2304.8	2604.6	2750.7	2837.7
57.5°	2976.1	3002.9	3052.6	2918.9	2576.9	2341.0	2371.6	2603.6	2968.5	3105.0	3196.8
60°	3120.3	3150.9	3240.7	3134.6	2848.2	2636.1	2677.2	2930.4	3302.8	3426.1	3495.7
62.5°	3134.6	3171.9	3353.3	3368.7	3102.2	2924.6	3015.3	3263.7	3618.8	3726.0	3741.1
65°	3068.8	3117.5	3358.2	3497.6	3372.5	3194.8	3322.9	3551.2	3845.3	3916.0	3876.8
67°	2963.7	3010.5	3306.6	3516.7	3494.7	3375.3	3494.7	3682.9	3918.8	3965.7	3839.6
67.5°	2918.9	2963.7	3278.0	3512.9	3510.1	3406.9	3522.5	3711.5	3922.6	3954.2	3811.8
70°	2631.4	2693.5	3029.6	3390.7	3503.4	3435.5	3571.1	3702.0	3753.6	3742.1	3537.7
72.5°	2126.0	2184.3	2551.1	3056.4	3314.3	3279.9	3400.2	3424.0	3333.4	3255.1	2976.1
75°	1559.6	1585.5	1923.6	2467.1	2890.2	2929.3	3020.0	2966.6	2800.5	2696.3	2412.7
77.5°	1083.1	1108.9	1368.7	1868.3	2330.5	2476.6	2566.4	2488.1	2313.3	2153.8	1844.3
80°	717.3	730.6	934.0	1361.1	1828.1	2031.5	2108.9	2028.6	1807.0	1650.5	1357.2
82.5°	437.5	463.3	610.3	954.2	1413.6	1663.8	1720.2	1627.5	1387.8	1225.5	978.1
85°	262.7	276.0	390.6	644.7	1040.1	1320.0	1373.5	1253.1	1010.5	864.4	655.2
87.5°	162.4	168.2	245.5	417.4	729.8	985.6	1043.0	900.7	682.0	575.9	438.3
90°	105.1	109.8	161.3	275.2	482.4	702.0	727.7	613.2	453.7	383.9	297.0
92.5°	70.7	74.6	109.8	182.5	317.1	460.4	479.4	405.0	299.9	256.0	202.4
95°	49.7	52.6	77.3	124.1	206.3	283.6	303.7	262.7	195.8	169.1	139.5
97.5°	38.2	40.1	58.2	89.8	139.5	183.3	190.9	171.0	132.8	116.5	101.3
100°	30.6	32.4	45.9	67.8	100.3	125.1	129.9	117.5	93.6	84.0	74.6
102.5°	26.8	26.8	37.2	53.5	75.5	92.7	93.6	84.0	68.8	62.1	57.4
105°	23.0	23.0	30.6	42.9	60.2	71.7	71.7	62.1	50.6	45.9	43.9
107.5°	19.1	20.1	25.7	34.4	47.7	57.4	55.4	45.9	36.3	33.5	32.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	16.3	17.2	22.0	28.6	39.2	46.8	43.9	35.3	26.8	24.8	24.8
112.5°	14.3	15.3	18.1	24.8	33.5	39.2	35.3	26.8	20.1	19.1	20.1
115°	13.3	13.3	16.3	22.0	28.6	32.4	29.6	22.0	16.3	15.3	16.3
117.5°	11.5	12.4	14.3	19.1	25.7	27.8	24.8	17.2	12.4	12.4	14.3
120°	11.5	11.5	13.3	17.2	23.0	24.8	21.0	14.3	10.5	10.5	12.4
122.5°	10.5	10.5	12.4	16.3	20.1	22.0	18.1	12.4	9.5	9.5	10.5
125°	10.5	10.5	12.4	15.3	18.1	18.1	15.3	10.5	8.6	8.6	9.5
127.5°	11.5	11.5	12.4	14.3	16.3	16.3	13.3	9.5	7.6	7.6	8.6
130°	11.5	11.5	11.5	13.3	14.3	13.3	11.5	8.6	7.6	7.6	8.6
132.5°	11.5	11.5	11.5	11.5	12.4	11.5	9.5	6.7	6.7	6.7	7.6
135°	10.5	10.5	9.5	10.5	10.5	8.6	6.7	4.8	5.7	5.7	6.7
137.5°	8.6	8.6	8.6	8.6	7.6	6.7	4.8	3.9	4.8	5.7	5.7
140°	7.6	7.6	6.7	6.7	5.7	4.8	2.8	3.9	4.8	4.8	4.8
142.5°	5.7	5.7	5.7	4.8	3.9	2.8	1.8	2.8	3.9	3.9	4.8
145°	3.9	3.9	3.9	2.8	1.8	1.0	1.8	1.8	2.8	3.9	3.9
147.5°	1.8	1.8	1.8	1.0	1.0	1.0	1.0	1.8	2.8	2.8	2.8
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.8	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
2.5°	190.1	189.1	186.3	184.3	182.5	181.5	180.5	180.5	179.5	178.6	178.6
5°	193.0	190.9	186.3	182.5	179.5	177.6	175.7	174.9	172.8	172.0	172.0
7.5°	198.7	195.8	190.1	183.3	178.6	175.7	173.8	172.0	170.0	170.0	170.0
10°	210.1	206.3	197.8	189.1	181.5	177.6	175.7	173.8	173.8	172.8	172.8
12.5°	238.7	233.0	218.7	203.4	190.1	184.3	182.5	187.2	193.0	193.9	196.7
15°	277.9	272.2	254.0	232.0	210.1	197.8	204.5	212.9	222.6	230.2	230.2
17.5°	326.6	319.9	295.1	264.5	237.8	230.2	232.0	244.5	257.9	264.5	265.5
20°	386.8	377.3	342.8	300.9	271.3	259.8	262.7	275.2	294.1	303.7	305.6
22.5°	462.2	448.0	402.1	342.8	306.6	291.2	294.1	309.4	335.2	348.6	353.4
25°	557.8	539.6	470.0	393.6	342.0	319.0	327.6	351.5	383.9	404.0	403.0
27.5°	667.6	638.9	552.1	446.0	377.3	345.8	359.1	392.6	431.7	454.6	457.5
30°	799.4	762.2	641.8	501.4	407.9	369.7	386.8	428.9	472.8	503.3	506.2
32.5°	945.5	901.6	733.5	556.7	432.6	387.8	406.9	459.4	510.0	546.3	547.3
35°	1095.6	1039.2	820.4	604.6	453.7	402.1	422.2	482.4	541.6	583.6	586.4
37.5°	1238.8	1172.9	900.7	636.1	467.1	409.7	430.8	501.4	568.2	613.2	616.0
40°	1346.7	1265.5	950.3	646.6	470.0	413.5	438.3	509.0	568.2	602.7	604.6
42.5°	1482.3	1375.3	986.6	636.1	462.2	413.5	441.3	499.6	545.4	568.2	568.2
45°	1663.8	1532.1	1042.0	623.7	447.0	410.7	433.6	478.5	509.0	520.5	520.5
47.5°	1880.6	1708.7	1098.4	615.1	435.5	404.0	422.2	452.8	468.9	470.0	467.9
50°	2154.7	1932.2	1168.1	602.7	428.9	397.3	411.7	431.7	441.3	437.5	435.5
52.5°	2416.5	2130.9	1217.8	587.4	425.0	394.4	405.9	423.2	426.0	414.5	411.7
55°	2728.8	2364.0	1252.1	562.5	421.2	396.4	405.9	420.2	418.4	403.0	400.2
57.5°	3040.1	2582.7	1282.7	540.7	417.4	399.3	409.7	422.2	418.4	404.0	401.2
60°	3278.9	2732.6	1265.5	517.7	413.5	404.0	416.4	428.9	428.9	417.4	416.4
62.5°	3466.1	2822.3	1224.5	493.8	410.7	407.9	425.0	443.1	447.0	438.3	437.5
65°	3508.1	2786.1	1145.1	470.9	406.9	410.7	436.5	459.4	462.2	453.7	452.8
67°	3409.8	2661.9	1047.8	451.8	401.2	411.7	444.1	468.9	472.8	464.2	461.3
67.5°	3366.9	2613.2	1022.8	447.0	399.3	411.7	445.1	470.0	474.7	466.1	463.3
70°	3037.3	2323.8	890.1	420.2	386.8	406.9	447.0	476.6	479.4	468.9	465.1
72.5°	2516.7	1873.9	736.4	394.4	371.6	394.4	440.4	471.8	470.9	455.6	452.8
75°	1995.2	1469.0	593.2	364.8	350.5	375.5	422.2	449.8	444.1	426.0	422.2
77.5°	1515.8	1098.4	482.4	335.2	326.6	350.5	391.5	411.7	400.2	383.0	379.1
80°	1080.2	790.8	392.6	307.6	300.9	321.9	353.4	364.0	356.3	340.1	335.2
82.5°	755.5	568.2	326.6	279.8	276.0	292.3	312.4	322.9	319.0	304.8	300.9
85°	522.5	397.3	275.2	252.2	250.2	261.6	274.1	280.8	283.6	276.0	271.3
87.5°	351.5	292.3	234.1	221.6	222.6	231.2	239.8	246.4	255.0	254.0	249.3
90°	251.2	218.7	195.8	190.1	192.0	201.6	205.3	209.1	219.7	219.7	216.8
92.5°	179.5	166.2	158.5	156.7	160.5	168.2	170.0	171.0	178.6	179.5	173.8
95°	128.0	121.3	124.1	126.0	129.9	136.6	135.6	132.8	136.6	136.6	131.7
97.5°	94.5	92.7	98.4	100.3	103.1	108.9	106.0	101.3	104.2	100.3	97.5
100°	72.5	72.5	79.3	80.2	82.2	85.0	84.0	80.2	81.2	76.4	74.6
102.5°	57.4	58.2	63.1	64.0	65.9	68.8	66.8	64.9	63.1	57.4	57.4
105°	44.9	45.9	49.7	50.6	52.6	55.4	54.4	51.6	48.7	43.9	43.9
107.5°	34.4	36.3	39.2	40.1	42.1	44.9	43.9	40.1	36.3	33.5	33.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.8	28.6	31.4	32.4	33.5	36.3	34.4	30.6	27.8	25.7	25.7
112.5°	22.0	23.0	25.7	26.8	27.8	29.6	27.8	23.9	21.0	20.1	20.1
115°	18.1	19.1	21.0	22.0	23.9	23.9	22.0	18.1	16.3	16.3	16.3
117.5°	15.3	16.3	18.1	19.1	19.1	20.1	17.2	14.3	12.4	13.3	13.3
120°	13.3	13.3	15.3	15.3	16.3	16.3	14.3	11.5	9.5	10.5	11.5
122.5°	11.5	11.5	12.4	13.3	13.3	13.3	11.5	9.5	7.6	8.6	9.5
125°	9.5	10.5	10.5	11.5	11.5	11.5	9.5	7.6	6.7	7.6	7.6
127.5°	9.5	9.5	9.5	9.5	9.5	9.5	7.6	5.7	5.7	6.7	6.7
130°	8.6	8.6	8.6	8.6	7.6	6.7	5.7	3.9	4.8	5.7	5.7
132.5°	7.6	7.6	7.6	6.7	5.7	4.8	3.9	2.8	2.8	4.8	4.8
135°	6.7	6.7	5.7	4.8	3.9	2.8	1.8	1.8	1.8	3.9	3.9
137.5°	5.7	5.7	4.8	3.9	2.8	1.8	1.0	0.0	1.0	1.8	1.8
140°	5.7	5.7	4.8	2.8	1.8	1.0	0.0	0.0	0.0	1.0	1.0
142.5°	4.8	4.8	3.9	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.9	3.9	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)