

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: P254315

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254315  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)  
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-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7121.8 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

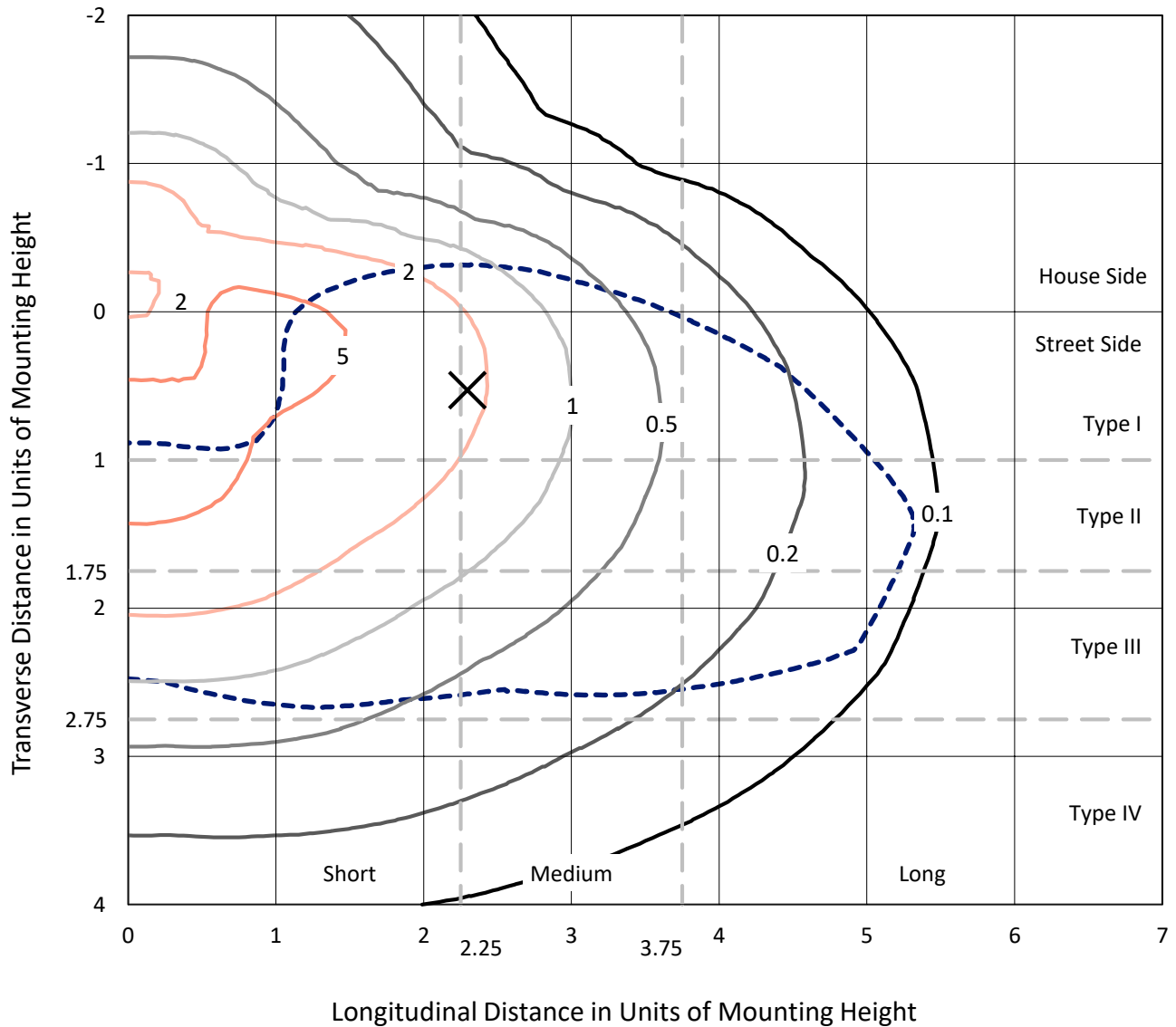
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

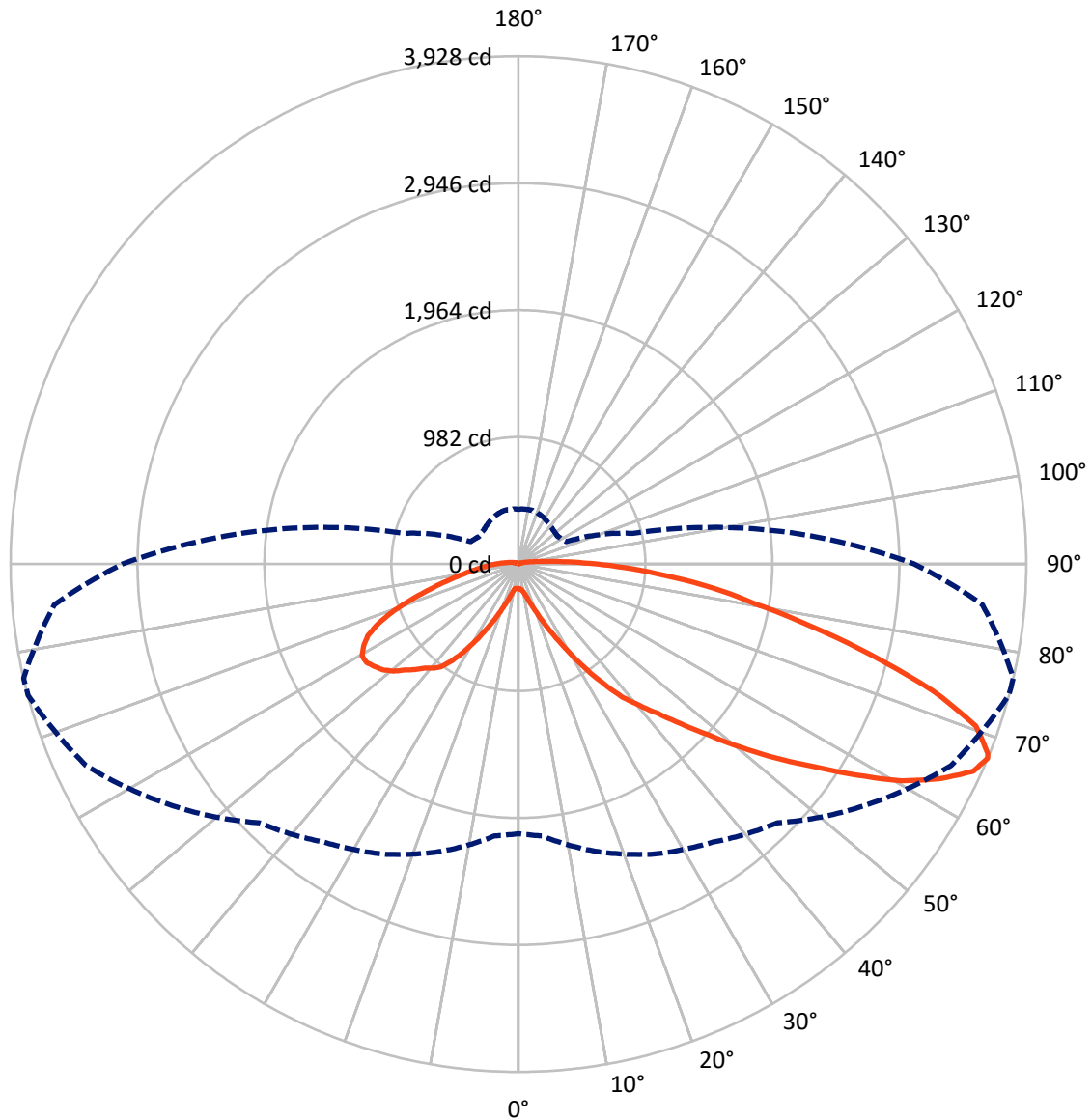
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical



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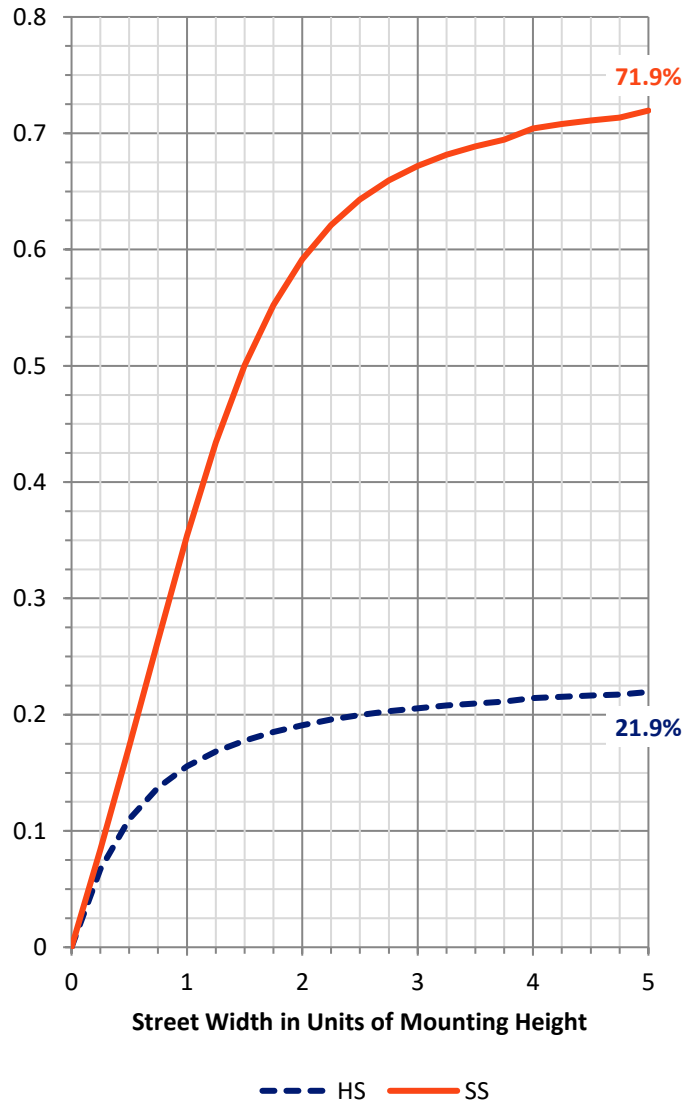
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1633.0	103.8	1736.8
	% Fixture	22.9	1.5	24.4
<b>Street Side</b>	Lumens	5249.8	135.2	5385.0
	% Fixture	73.7	1.9	75.6
<b>Total</b>	Lumens	6882.8	239.0	7121.8
	% Fixture	96.6	3.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.3
10°-20°	80.0	1.1
20°-30°	233.9	3.3
30°-40°	543.4	7.6
40°-50°	953.3	13.4
50°-60°	1464.9	20.6
60°-70°	1811.6	25.4
70°-80°	1264.7	17.8
80°-90°	511.9	7.2
90°-100°	151.3	2.1
100°-110°	48.8	0.7
110°-120°	20.7	0.3
120°-130°	10.7	0.2
130°-140°	5.5	0.1
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6882.8	96.6
0°-180°	7121.8	100.0



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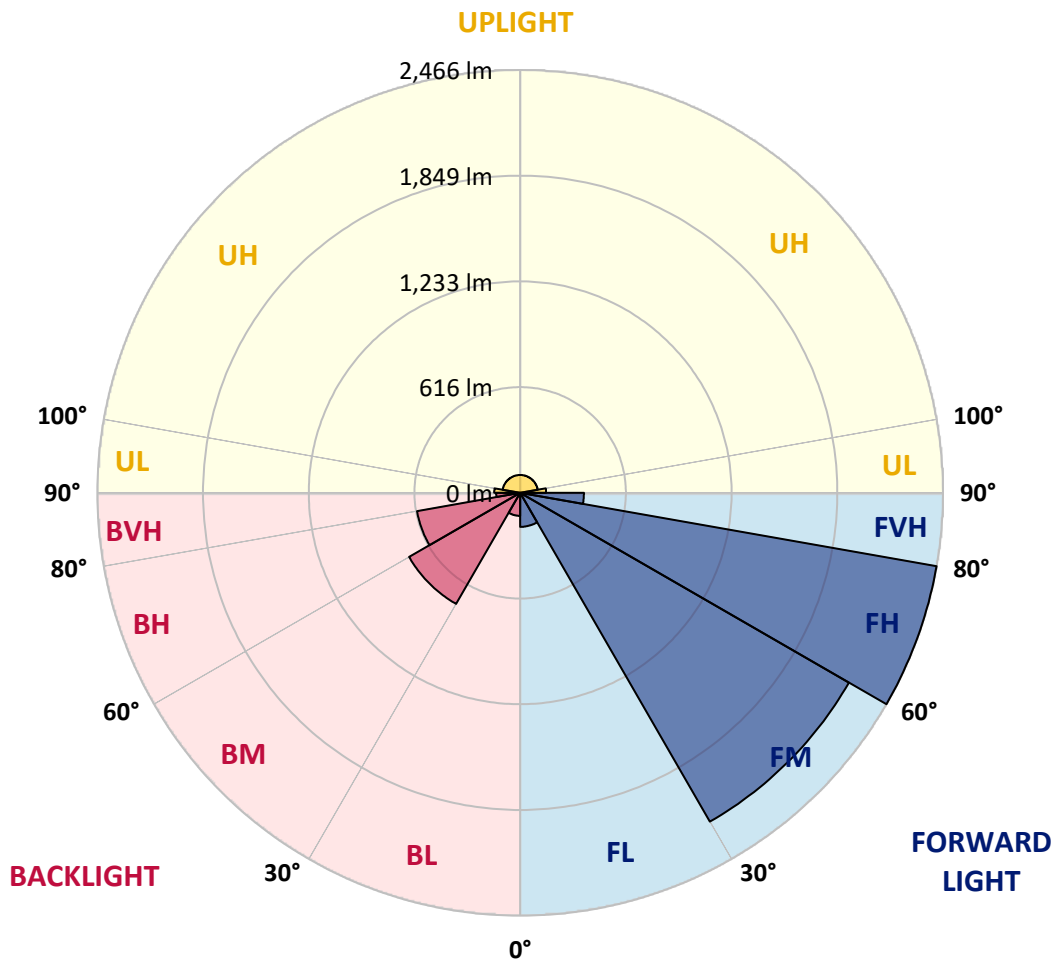
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.6	2.8			
FM (30°-60°)	2213.8	31.1			
FH (60°-80°)	2465.6	34.6			G2/5000
FVH (80°-90°)	371.9	5.2			G3/500
BL (0°-30°)	134.4	1.9	B1/500		
BM (30°-60°)	747.9	10.5	B1/1000		
BH (60°-80°)	610.7	8.6	B2/1000		G2/1000
BVH (80°-90°)	140.0	2.0			G2/225
UL (90°-100°)	151.3	2.1		U3/500	
UH (100°-180°)	103.8	1.5		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	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°	201.4	202.3	202.3	202.3	201.4	199.8	197.1	195.5	192.9	192.0	190.3
5°	216.9	216.9	216.9	216.0	214.3	210.9	207.5	203.2	198.0	197.1	193.7
7.5°	234.1	234.9	234.1	232.3	228.0	224.6	219.4	213.5	207.5	205.7	201.4
10°	258.9	258.9	257.2	253.8	247.8	240.9	234.9	228.0	222.0	220.3	215.1
12.5°	296.7	296.7	293.2	283.8	274.4	264.9	258.0	252.9	249.5	246.9	243.5
15°	344.6	345.5	340.3	325.8	313.7	299.2	293.2	292.4	291.4	288.9	285.5
17.5°	402.9	402.9	394.3	374.6	359.2	345.5	339.5	339.5	339.5	339.5	337.8
20°	472.4	473.2	462.1	433.7	417.5	401.2	395.2	396.1	399.5	400.4	400.4
22.5°	561.5	565.0	547.8	509.2	489.5	465.4	461.2	465.4	475.0	477.5	481.8
25°	683.2	678.1	655.8	605.2	576.1	547.0	540.1	552.1	570.1	575.2	584.6
27.5°	811.0	811.8	780.1	718.4	669.5	634.3	631.0	655.0	680.7	687.5	703.0
30°	973.8	975.6	927.5	851.3	778.4	733.9	733.9	773.2	812.6	823.8	848.6
32.5°	1169.3	1167.6	1096.4	1004.7	903.6	848.6	850.4	907.9	964.4	977.3	1000.4
35°	1396.4	1393.9	1299.6	1178.7	1044.1	973.0	980.7	1053.5	1126.5	1138.4	1175.3
37.5°	1628.8	1631.4	1526.8	1373.3	1199.3	1105.9	1120.4	1207.0	1296.2	1304.8	1333.9
40°	1838.9	1851.6	1746.3	1574.8	1367.4	1245.6	1262.7	1345.9	1433.4	1436.7	1447.9
42.5°	2040.3	2042.0	1953.7	1771.1	1541.4	1399.9	1401.6	1481.3	1564.5	1579.0	1584.2
45°	2168.9	2186.9	2115.7	1951.1	1717.1	1557.6	1543.0	1622.8	1745.4	1762.5	1762.5
47.5°	2315.4	2334.3	2252.8	2113.1	1886.8	1716.2	1704.2	1806.2	1952.8	1970.8	1964.0
50°	2480.0	2503.2	2444.0	2292.3	2055.7	1885.1	1905.7	2024.8	2202.3	2228.0	2220.3
52.5°	2605.3	2630.1	2594.1	2486.9	2245.2	2082.3	2104.6	2270.8	2467.2	2492.9	2463.8
55°	2651.5	2685.8	2696.9	2642.1	2440.7	2291.4	2360.0	2540.1	2732.9	2760.3	2729.5
57.5°	2649.7	2684.9	2727.8	2720.1	2604.3	2506.6	2606.9	2817.0	3050.1	3077.5	3045.8
60°	2630.9	2672.0	2750.9	2761.3	2696.1	2696.1	2858.1	3147.0	3380.1	3405.0	3314.2
62.5°	2467.2	2518.6	2662.6	2766.4	2746.6	2817.8	3087.9	3420.4	3645.9	3658.0	3487.3
65°	2262.4	2310.3	2468.9	2637.0	2730.4	2860.7	3237.8	3615.1	3850.8	3864.5	3619.3
67°	2084.9	2110.6	2300.0	2475.7	2624.9	2831.5	3261.1	3689.7	3925.4	3927.9	3603.0
67.5°	2021.5	2047.9	2240.9	2428.6	2588.1	2811.0	3249.0	3696.5	3921.1	3916.0	3572.2
70°	1688.8	1704.2	1905.7	2147.5	2326.6	2588.9	3099.8	3563.7	3770.2	3754.8	3361.3
72.5°	1248.2	1261.0	1470.2	1764.3	1976.0	2264.9	2776.7	3280.7	3395.6	3353.6	2894.1
75°	865.0	875.2	1038.2	1289.3	1567.1	1872.2	2373.8	2792.1	2876.9	2824.7	2398.6
77.5°	571.8	579.5	706.3	904.4	1159.8	1496.8	1931.4	2306.9	2375.5	2314.6	1926.2
80°	362.6	368.7	462.9	619.0	850.4	1174.4	1550.8	1876.5	1905.7	1848.3	1505.4
82.5°	229.8	235.8	299.2	419.2	610.4	894.2	1219.9	1512.2	1551.6	1517.3	1177.0
85°	147.4	156.0	201.4	287.1	432.9	655.8	950.7	1202.8	1198.5	1141.9	864.1
87.5°	104.5	111.4	145.8	204.9	305.1	464.6	695.2	872.7	862.4	824.7	601.0
90°	78.1	83.2	108.0	149.1	219.4	325.8	481.8	604.4	574.4	551.3	396.9
92.5°	57.4	61.7	80.6	108.8	156.9	228.0	318.0	390.9	360.1	343.7	251.1
95°	42.0	44.6	59.1	79.7	114.1	158.6	208.3	246.0	221.2	210.0	158.6
97.5°	32.5	34.3	45.4	61.7	84.9	114.1	140.6	154.3	140.6	133.7	109.8
100°	27.4	28.3	37.7	48.9	66.9	86.5	100.2	105.5	96.9	92.6	79.7
102.5°	23.1	24.0	30.9	40.3	54.0	68.5	75.4	77.1	69.5	66.9	60.0
105°	19.7	20.6	26.6	34.3	45.4	55.8	59.1	57.4	50.5	48.9	45.4
107.5°	17.2	18.0	22.3	29.2	37.7	46.3	47.2	43.7	37.7	36.0	34.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	15.4	15.4	19.7	24.9	32.5	38.6	38.6	33.5	28.3	27.4	27.4
112.5°	13.7	13.7	17.2	21.5	28.3	32.5	31.7	26.6	21.5	20.6	21.5
115°	12.0	12.0	14.5	19.7	24.9	28.3	26.6	21.5	16.3	16.3	18.0
117.5°	11.2	11.2	13.7	18.0	22.3	24.9	22.3	17.2	13.7	13.7	14.5
120°	10.3	10.3	12.9	16.3	20.6	22.3	19.7	14.5	11.2	11.2	12.9
122.5°	10.3	10.3	12.0	15.4	18.8	19.7	17.2	12.9	9.4	10.3	11.2
125°	10.3	11.2	12.0	14.5	17.2	17.2	14.5	11.2	8.6	8.6	10.3
127.5°	11.2	11.2	12.0	13.7	15.4	15.4	12.9	9.4	8.6	8.6	9.4
130°	12.0	12.0	12.0	12.9	13.7	12.9	11.2	8.6	7.7	7.7	8.6
132.5°	12.0	12.0	12.0	12.0	12.0	11.2	9.4	7.7	6.9	7.7	8.6
135°	11.2	11.2	11.2	11.2	10.3	9.4	7.7	6.0	6.0	6.0	6.9
137.5°	10.3	9.4	9.4	9.4	8.6	7.7	6.0	4.3	5.1	5.1	6.0
140°	8.6	8.6	8.6	7.7	6.9	6.0	4.3	3.5	4.3	4.3	5.1
142.5°	6.9	6.9	6.9	6.0	5.1	4.3	2.6	2.6	3.5	4.3	4.3
145°	5.1	5.1	5.1	4.3	3.5	2.6	1.7	2.6	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	1.7	0.8	1.7	1.7	2.6	2.6	3.5
150°	1.7	1.7	2.6	1.7	0.8	0.8	0.8	1.7	1.7	2.6	2.6
152.5°	0.8	0.8	1.7	0.8	0.0	0.0	0.0	0.8	1.7	1.7	1.7
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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°	189.5	188.6	186.9	184.3	182.6	181.8	181.8	180.0	180.0	180.0	179.1
5°	192.9	190.3	186.9	183.4	180.0	177.5	176.6	174.9	173.2	173.2	172.3
7.5°	198.0	195.5	189.5	184.3	179.1	175.7	174.0	172.3	170.6	169.7	168.9
10°	211.8	208.3	198.9	190.3	183.4	178.3	175.7	174.0	172.3	172.3	171.4
12.5°	240.0	234.1	222.0	207.5	192.9	185.2	182.6	188.6	191.2	193.7	193.7
15°	282.0	276.0	258.0	236.6	215.1	200.6	204.9	213.5	220.3	224.6	224.6
17.5°	333.5	324.1	301.8	270.9	242.6	232.3	230.6	240.0	250.3	256.4	256.4
20°	394.3	383.2	352.3	310.4	278.7	263.2	259.7	268.3	280.3	289.8	289.8
22.5°	473.2	460.3	414.9	355.8	314.7	293.2	288.9	297.5	314.7	327.4	326.6
25°	576.1	555.5	493.0	410.6	350.7	320.6	317.2	330.9	354.0	372.0	374.6
27.5°	695.2	666.0	572.6	469.7	385.8	344.6	345.5	364.4	392.6	412.4	412.4
30°	829.8	798.9	668.7	528.0	415.7	365.2	368.7	393.5	421.8	441.5	441.5
32.5°	985.8	940.4	769.8	585.5	442.3	380.6	384.0	414.1	442.3	463.8	464.6
35°	1143.6	1081.9	861.5	632.7	464.6	393.5	395.2	430.4	461.2	485.2	487.7
37.5°	1287.6	1207.9	943.0	665.2	475.0	399.5	402.0	442.3	478.3	500.6	500.6
40°	1390.5	1290.1	982.4	673.0	477.5	401.2	408.9	450.1	477.5	487.7	483.4
42.5°	1507.1	1383.6	1007.3	660.1	468.1	400.4	412.4	444.9	459.5	460.3	456.0
45°	1670.0	1509.7	1052.7	649.0	450.9	398.6	408.1	432.1	436.4	428.6	423.5
47.5°	1858.5	1646.7	1090.5	635.3	439.8	394.3	402.0	416.6	413.2	399.5	395.2
50°	2071.2	1820.9	1137.6	618.1	431.2	389.2	396.1	405.5	401.2	386.6	383.2
52.5°	2279.4	1973.4	1167.6	600.1	423.5	386.6	391.8	402.9	397.7	380.6	375.5
55°	2498.0	2128.6	1174.4	569.2	417.5	386.6	392.6	404.6	398.6	380.6	375.5
57.5°	2755.2	2295.7	1174.4	533.3	408.1	388.3	395.2	407.2	402.0	384.0	379.7
60°	2964.4	2414.9	1149.6	501.5	396.9	388.3	396.1	408.9	408.1	395.2	392.6
62.5°	3080.1	2458.7	1081.9	466.4	387.5	385.8	396.9	413.2	419.2	409.8	407.2
65°	3141.9	2444.0	1003.0	431.2	378.9	380.6	396.9	415.7	425.2	420.0	416.6
67°	3061.3	2341.2	916.5	407.2	370.3	376.3	395.2	415.7	428.6	426.9	423.5
67.5°	3021.0	2300.0	891.5	402.9	367.8	375.5	394.3	415.7	428.6	428.6	425.2
70°	2769.8	2068.6	762.1	371.2	351.5	362.6	384.9	411.5	426.1	426.9	425.2
72.5°	2341.2	1700.8	629.2	341.2	330.9	343.7	371.2	398.6	412.4	410.6	408.9
75°	1907.4	1371.6	512.6	312.0	306.9	321.5	346.4	372.0	381.5	377.2	375.5
77.5°	1510.5	1069.9	420.0	283.8	282.8	295.7	315.5	334.3	339.5	331.7	330.9
80°	1160.7	817.8	343.7	260.6	258.0	267.5	281.2	294.0	297.5	289.8	288.1
82.5°	888.9	619.8	285.5	234.9	234.1	239.2	248.6	257.2	263.2	255.4	252.9
85°	642.9	453.5	240.0	207.5	208.3	210.9	216.9	222.9	231.5	228.9	225.5
87.5°	448.4	329.2	204.1	181.8	181.8	183.4	186.9	192.9	204.1	203.2	199.8
90°	305.1	237.4	171.4	158.6	156.0	156.9	159.5	162.9	173.2	172.3	169.7
92.5°	204.1	168.9	138.9	131.1	130.3	131.1	131.1	133.7	138.9	136.3	133.7
95°	136.3	121.7	110.6	106.3	104.5	105.5	105.5	103.7	107.2	102.9	100.2
97.5°	97.7	91.8	89.2	85.7	83.2	84.0	84.0	82.3	83.2	77.1	75.4
100°	74.6	72.8	72.8	69.5	66.9	67.7	67.7	66.9	66.0	59.1	58.3
102.5°	59.1	58.3	59.1	56.6	54.0	55.8	54.8	54.0	52.3	46.3	45.4
105°	46.3	46.3	48.9	46.3	44.6	45.4	45.4	43.7	42.0	36.8	36.8
107.5°	36.0	36.8	39.4	37.7	36.8	37.7	36.8	35.2	32.5	29.2	29.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.3	30.0	32.5	31.7	30.9	31.7	30.0	28.3	25.7	24.0	24.0
112.5°	23.1	24.0	26.6	26.6	25.7	26.6	24.9	22.3	20.6	19.7	19.7
115°	18.8	20.6	22.3	22.3	22.3	22.3	20.6	18.0	16.3	16.3	16.3
117.5°	16.3	17.2	18.8	18.8	18.8	18.8	17.2	14.5	12.9	13.7	13.7
120°	13.7	14.5	16.3	16.3	16.3	16.3	14.5	12.0	10.3	11.2	11.2
122.5°	12.0	12.9	13.7	14.5	14.5	13.7	12.0	10.3	8.6	9.4	9.4
125°	11.2	12.0	12.0	12.9	12.0	12.0	10.3	8.6	7.7	8.6	8.6
127.5°	10.3	11.2	11.2	11.2	11.2	9.4	8.6	6.9	6.0	6.9	7.7
130°	9.4	10.3	10.3	9.4	8.6	7.7	6.9	6.0	5.1	6.0	6.9
132.5°	9.4	9.4	9.4	8.6	7.7	6.0	5.1	4.3	4.3	5.1	6.0
135°	7.7	7.7	7.7	6.9	5.1	4.3	3.5	3.5	3.5	4.3	4.3
137.5°	6.0	6.9	6.0	5.1	4.3	3.5	2.6	2.6	2.6	3.5	3.5
140°	5.1	5.1	5.1	4.3	3.5	1.7	0.8	0.8	1.7	1.7	2.6
142.5°	4.3	5.1	4.3	3.5	2.6	0.8	0.0	0.8	0.8	0.8	0.8
145°	4.3	4.3	3.5	2.6	1.7	0.8	0.0	0.0	0.8	0.0	0.0
147.5°	3.5	3.5	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	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)