

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: P416388

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7729 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

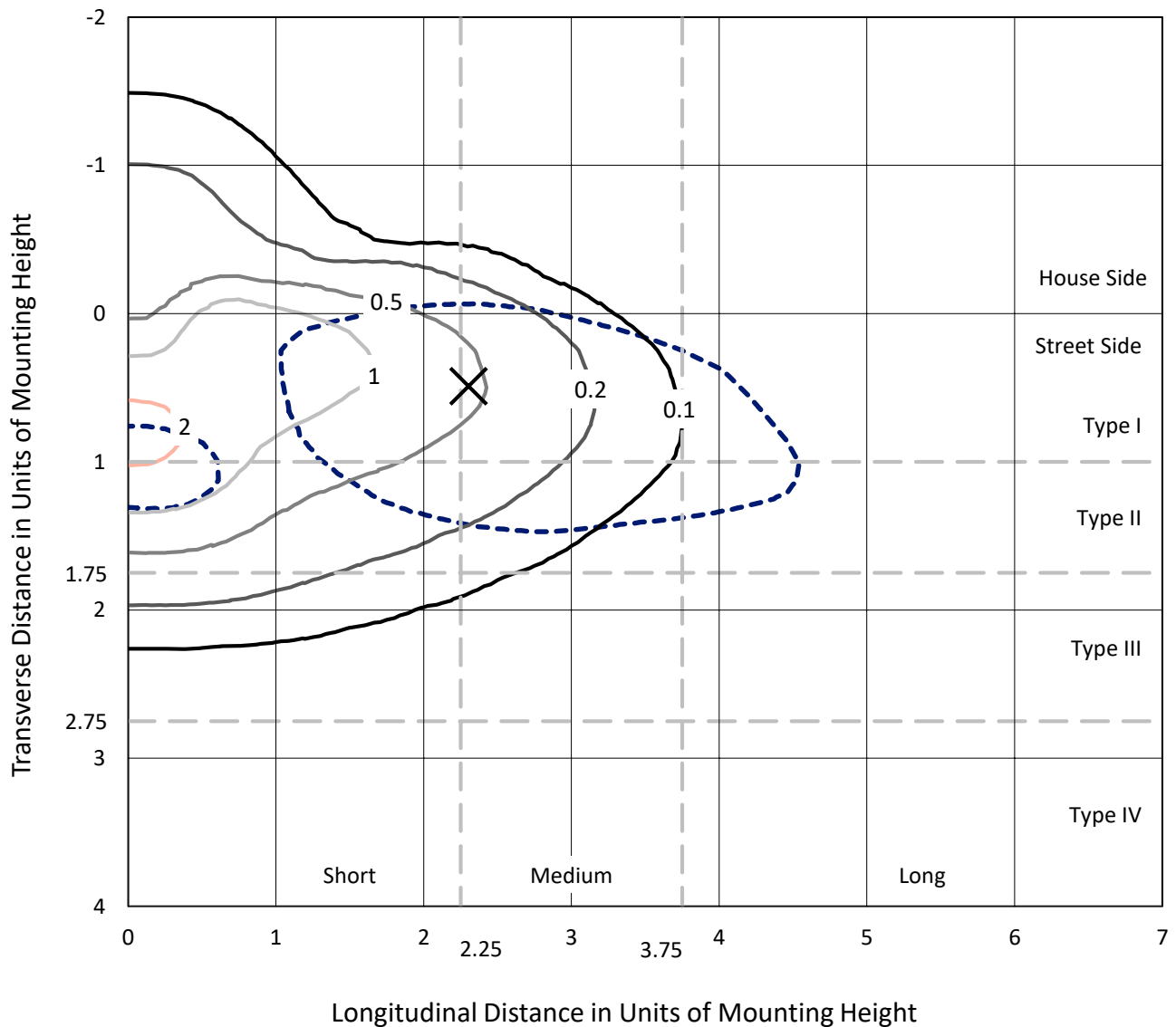
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

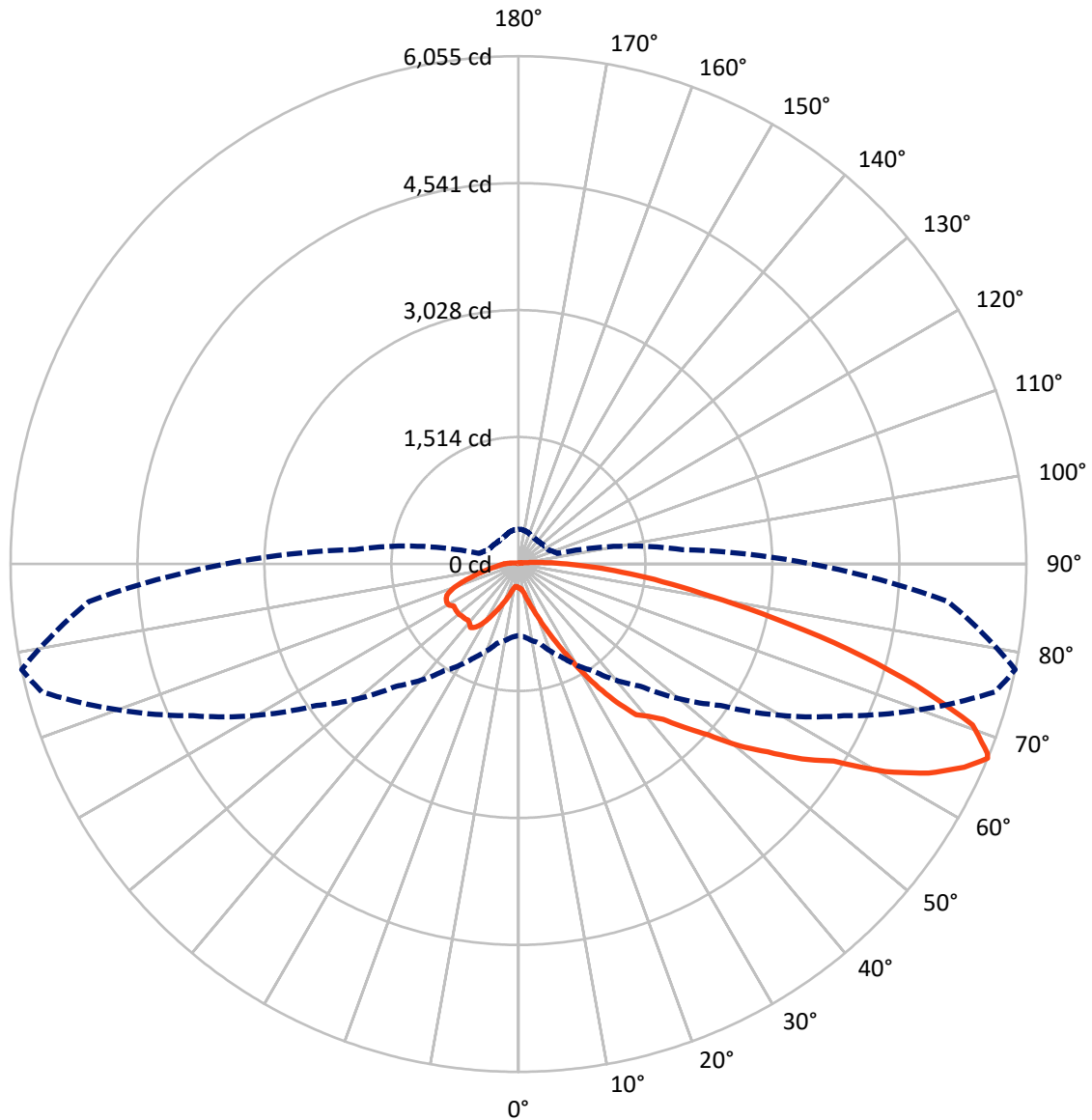
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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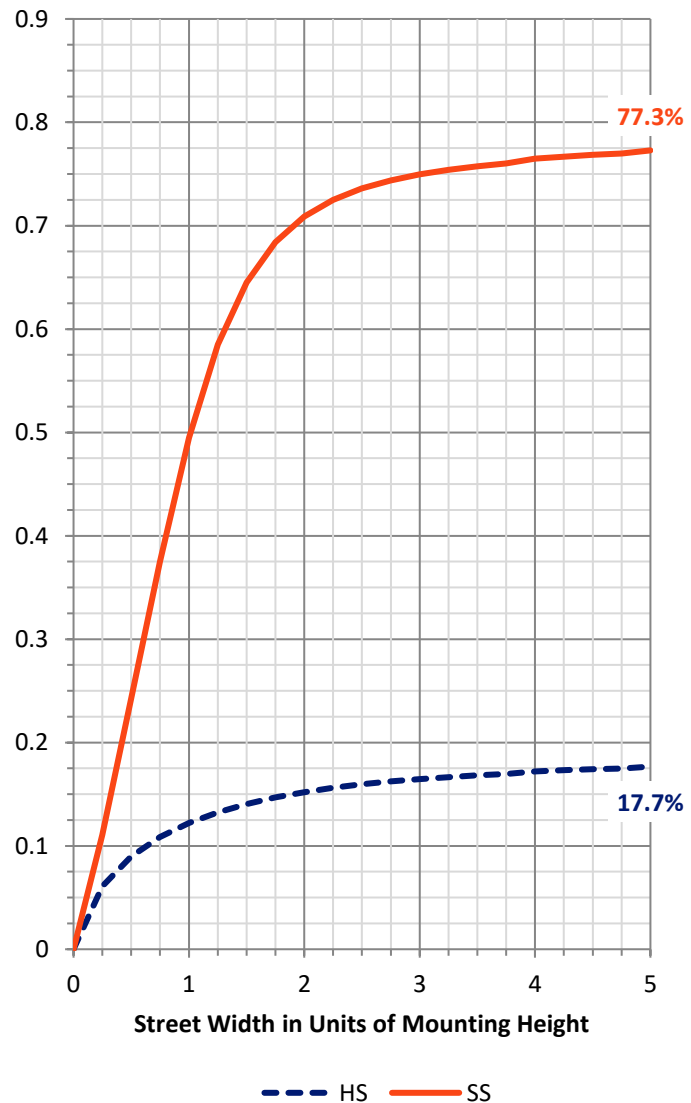
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1429.9	116.9	1546.8
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	6057.6	124.6	6182.2
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	7487.5	241.5	7729.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.4	0.4
10°-20°	120.2	1.6
20°-30°	360.6	4.7
30°-40°	825.5	10.7
40°-50°	1318.5	17.1
50°-60°	1624.9	21.0
60°-70°	1693.6	21.9
70°-80°	1098.2	14.2
80°-90°	417.5	5.4
90°-100°	129.0	1.7
100°-110°	49.6	0.6
110°-120°	26.7	0.3
120°-130°	17.7	0.2
130°-140°	11.7	0.2
140°-150°	5.2	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7487.5	96.9
0°-180°	7729.0	100.0

**Coefficient of Utilization**



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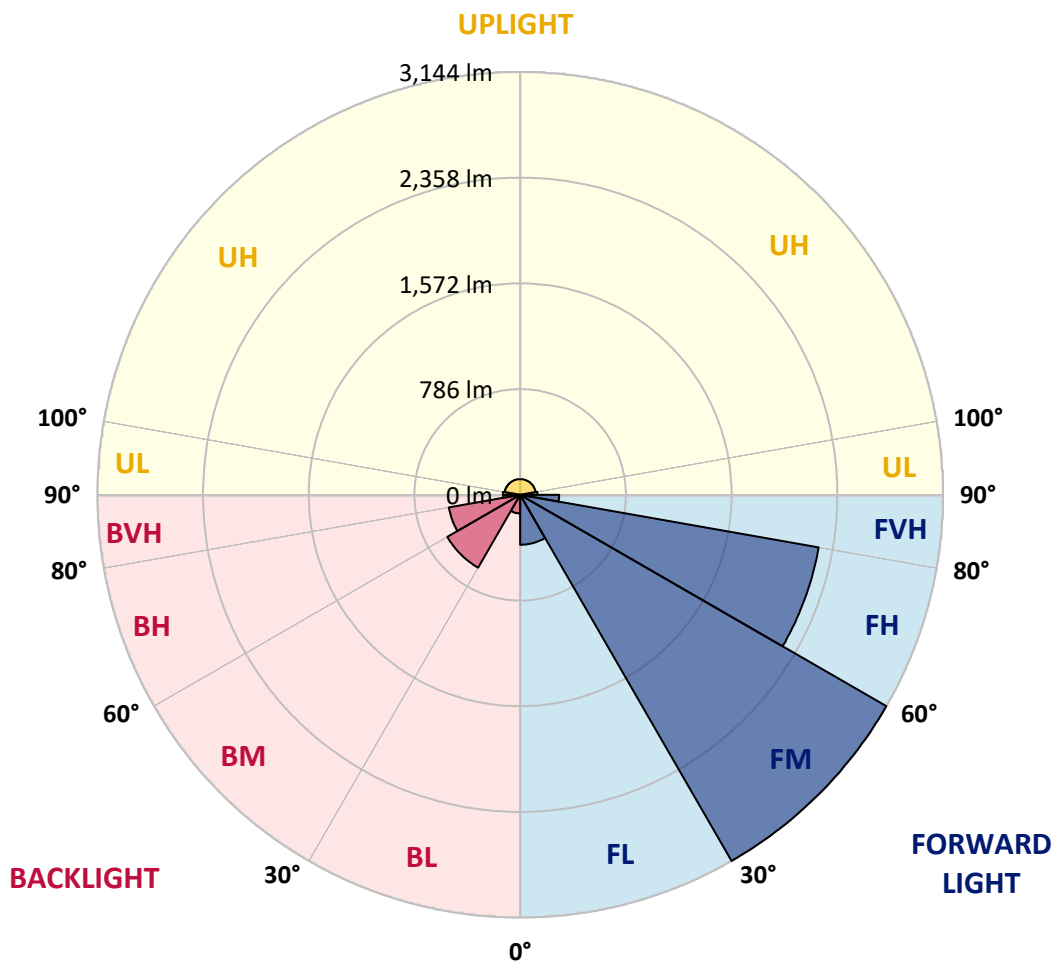
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.1	4.8			
FM (30°-60°)	3143.8	40.7			
FH (60°-80°)	2253.1	29.2			G2/5000
FVH (80°-90°)	289.6	3.7			G3/500
BL (0°-30°)	138.1	1.8	B1/500		
BM (30°-60°)	625.1	8.1	B1/1000		
BH (60°-80°)	538.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	127.9	1.7			G2/225
UL (90°-100°)	129.0	1.7		U3/500	
UH (100°-180°)	116.9	1.5		U3/500	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8
2.5°	318.4	317.4	316.5	314.7	311.0	307.4	301.9	294.6	289.1	288.2	282.7
5°	358.6	355.9	355.9	351.3	344.0	336.7	325.7	312.9	302.8	297.3	289.1
7.5°	408.0	402.5	404.4	397.0	387.0	374.2	356.8	339.4	320.2	314.7	302.8
10°	467.5	463.8	460.2	451.0	439.1	419.0	402.5	376.9	351.3	344.0	325.7
12.5°	539.8	540.7	529.7	519.6	499.5	479.4	459.3	434.5	406.2	398.0	374.2
15°	641.3	640.4	628.5	605.6	580.9	559.0	542.5	516.0	488.5	479.4	443.7
17.5°	760.2	757.5	748.3	708.1	683.4	666.0	642.2	625.8	586.4	576.3	532.4
20°	934.1	917.6	896.5	842.6	806.0	784.0	764.8	743.8	701.7	684.3	632.2
22.5°	1127.1	1135.3	1096.9	1013.6	952.3	912.1	892.0	881.0	849.0	837.1	758.4
25°	1366.8	1366.8	1306.4	1214.9	1135.3	1060.3	1055.7	1068.5	1025.5	1017.3	934.1
27.5°	1619.3	1629.3	1549.7	1451.9	1331.1	1243.3	1238.7	1249.7	1246.0	1222.2	1103.3
30°	1907.4	1898.3	1808.6	1689.7	1529.6	1426.2	1413.4	1493.0	1499.4	1483.0	1353.1
32.5°	2243.2	2235.9	2123.3	1939.5	1741.9	1622.9	1631.2	1743.7	1787.6	1759.2	1607.4
35°	2651.2	2660.4	2483.8	2224.9	1964.2	1826.9	1836.1	1977.0	2059.3	2024.5	1853.5
37.5°	3070.2	3073.0	2911.0	2560.6	2202.9	2008.1	2030.0	2202.0	2308.1	2279.8	2044.7
40°	3335.5	3363.0	3207.4	2874.4	2454.5	2189.2	2207.5	2377.7	2439.9	2386.8	2110.5
42.5°	3567.9	3588.9	3430.7	3073.0	2645.7	2351.1	2344.7	2473.7	2563.4	2530.5	2245.9
45°	3682.2	3723.4	3580.7	3211.1	2780.2	2477.4	2428.0	2621.0	2820.5	2779.3	2465.5
47.5°	3599.0	3649.3	3588.9	3283.4	2840.6	2557.0	2568.0	2833.3	3091.2	3045.5	2705.2
50°	3327.3	3387.7	3407.8	3229.4	2856.1	2596.3	2713.4	3070.2	3416.0	3406.9	2999.8
52.5°	2999.8	3031.8	3119.6	3066.5	2798.5	2642.1	2870.8	3299.8	3750.8	3722.5	3244.0
55°	2697.0	2739.0	2811.3	2780.2	2655.8	2647.6	2995.2	3556.0	4106.7	4103.1	3551.4
57.5°	2279.8	2338.3	2490.2	2507.6	2471.0	2613.7	3085.8	3757.3	4421.4	4434.2	3859.7
60°	1750.1	1799.5	2030.0	2213.9	2245.9	2534.1	3131.5	3978.6	4959.4	5026.1	4398.6
62.5°	1418.9	1428.1	1602.8	1832.4	2050.2	2388.7	3138.8	4258.6	5429.6	5490.0	4721.5
65°	1062.1	1060.3	1221.3	1483.0	1785.8	2218.5	3115.9	4346.4	5684.8	5839.4	5029.8
67°	853.5	873.7	977.1	1225.9	1557.1	2059.3	2938.5	4281.5	5885.2	6055.3	5142.3
67.5°	820.6	830.7	924.9	1160.0	1504.9	2011.7	2886.3	4265.0	5884.3	6028.8	5108.5
70°	655.0	668.7	737.4	892.9	1203.9	1699.8	2519.5	3882.6	5535.7	5746.1	4798.3
72.5°	505.9	516.9	565.4	683.4	916.7	1368.6	2084.0	3341.0	4793.8	4960.3	4068.3
75°	385.1	388.8	434.5	515.1	699.9	1043.8	1609.2	2631.1	3942.1	4068.3	3306.2
77.5°	298.2	306.5	341.2	395.2	519.6	785.8	1211.2	2049.2	3136.1	3116.9	2514.0
80°	232.4	239.7	265.3	302.8	389.7	577.3	886.5	1515.0	2290.8	2313.6	1840.7
82.5°	186.6	192.1	209.5	236.9	300.1	439.1	647.7	1132.6	1741.9	1733.6	1349.4
85°	149.1	152.8	165.6	189.4	231.5	333.0	478.5	841.7	1229.5	1239.6	921.2
87.5°	116.2	120.8	135.4	150.0	183.0	253.4	353.1	583.7	817.9	826.1	633.1
90°	90.6	93.3	106.1	121.7	148.2	192.1	255.2	399.8	526.9	516.9	407.1
92.5°	66.8	69.5	81.4	96.1	115.3	148.2	183.9	256.2	308.3	314.7	254.3
95°	47.6	50.3	60.4	71.4	87.8	112.5	130.8	162.8	189.4	183.9	162.8
97.5°	36.6	37.5	44.8	53.1	66.8	86.9	97.0	112.5	124.4	121.7	113.4
100°	29.3	30.2	35.7	40.3	52.1	68.6	77.8	86.0	93.3	90.6	86.9
102.5°	24.7	25.6	29.3	32.9	43.0	57.6	63.1	68.6	71.4	71.4	69.5
105°	21.0	22.0	24.7	28.4	36.6	47.6	51.2	54.0	56.7	55.8	55.8
107.5°	19.2	19.2	22.0	24.7	32.0	40.3	42.1	43.0	43.9	43.9	45.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	17.4	18.3	20.1	22.0	28.4	35.7	35.7	34.8	34.8	34.8	37.5
112.5°	16.5	17.4	18.3	21.0	26.5	31.1	30.2	28.4	28.4	29.3	32.0
115°	16.5	16.5	17.4	20.1	24.7	28.4	26.5	23.8	23.8	24.7	27.4
117.5°	16.5	16.5	18.3	20.1	23.8	25.6	23.8	21.0	20.1	21.0	23.8
120°	17.4	17.4	18.3	20.1	22.0	23.8	22.0	19.2	18.3	19.2	22.0
122.5°	18.3	18.3	18.3	20.1	21.0	22.0	20.1	17.4	16.5	17.4	20.1
125°	19.2	19.2	19.2	20.1	21.0	20.1	18.3	16.5	16.5	16.5	19.2
127.5°	21.0	21.0	21.0	21.0	20.1	19.2	17.4	15.6	16.5	16.5	18.3
130°	22.9	22.9	22.0	21.0	20.1	18.3	16.5	14.6	15.6	16.5	18.3
132.5°	23.8	22.9	22.0	20.1	19.2	16.5	14.6	13.7	14.6	15.6	17.4
135°	22.0	22.0	20.1	18.3	17.4	14.6	12.8	12.8	13.7	14.6	15.6
137.5°	19.2	19.2	18.3	16.5	15.6	13.7	11.9	11.0	12.8	13.7	14.6
140°	16.5	16.5	15.6	13.7	12.8	11.9	10.1	9.1	11.0	11.9	12.8
142.5°	13.7	13.7	12.8	11.0	11.0	10.1	8.2	8.2	10.1	10.1	11.0
145°	11.0	11.0	11.0	9.1	9.1	8.2	6.4	7.3	8.2	9.1	9.1
147.5°	9.1	9.1	9.1	7.3	7.3	6.4	4.6	5.5	6.4	7.3	7.3
150°	7.3	7.3	7.3	6.4	5.5	4.6	3.7	4.6	4.6	5.5	5.5
152.5°	5.5	5.5	5.5	4.6	4.6	2.7	2.7	3.7	3.7	4.6	4.6
155°	3.7	3.7	4.6	3.7	2.7	1.8	2.7	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8	281.8
2.5°	279.9	278.1	273.5	269.0	264.4	260.7	256.2	255.2	255.2	253.4	253.4
5°	283.6	278.1	267.1	258.0	247.9	239.7	233.3	230.5	227.8	226.0	224.1
7.5°	291.8	282.7	264.4	249.8	235.1	222.3	213.2	208.6	205.8	203.1	204.0
10°	311.0	297.3	270.8	247.0	225.1	207.7	196.7	191.2	189.4	186.6	186.6
12.5°	352.2	333.9	295.5	255.2	221.4	197.6	184.8	183.0	184.8	187.5	187.5
15°	417.2	389.7	333.9	278.1	229.6	195.8	188.5	193.9	200.4	204.0	204.0
17.5°	496.8	459.3	379.7	304.6	241.5	212.2	203.1	210.4	218.6	224.1	224.1
20°	584.6	534.3	426.3	327.5	258.9	235.1	225.1	231.5	242.4	250.7	249.8
22.5°	698.9	625.8	480.3	347.6	279.9	256.2	249.8	258.0	274.5	285.4	286.3
25°	840.7	740.1	543.4	374.2	299.2	274.5	276.3	290.9	312.9	324.8	324.8
27.5°	991.7	864.5	597.4	400.7	319.3	293.7	302.8	322.9	346.7	360.4	362.3
30°	1191.1	1024.6	665.1	427.2	336.7	312.9	323.9	347.6	365.0	373.3	374.2
32.5°	1394.2	1176.5	719.1	454.7	353.1	326.6	336.7	359.5	375.1	384.2	383.3
35°	1578.1	1299.1	751.1	467.5	367.8	336.7	341.2	365.9	375.1	380.6	379.7
37.5°	1719.0	1386.9	763.0	470.2	373.3	341.2	343.1	364.1	376.9	387.0	385.1
40°	1742.8	1375.0	718.2	453.8	372.3	341.2	344.9	368.7	382.4	387.0	386.1
42.5°	1830.6	1407.9	679.7	424.5	361.4	340.3	348.6	370.5	376.9	374.2	371.4
45°	1983.4	1477.5	668.7	409.8	347.6	337.6	350.4	365.9	365.0	359.5	357.7
47.5°	2134.3	1544.3	645.0	403.4	344.0	336.7	349.5	360.4	363.2	357.7	355.9
50°	2326.4	1633.0	625.8	394.3	344.9	336.7	347.6	360.4	362.3	353.1	352.2
52.5°	2498.4	1694.3	597.4	386.1	345.8	339.4	347.6	360.4	361.4	352.2	350.4
55°	2677.7	1759.2	568.1	377.8	348.6	342.2	350.4	361.4	362.3	355.9	354.0
57.5°	2857.0	1816.0	535.2	371.4	351.3	347.6	352.2	362.3	369.6	367.8	367.8
60°	3223.0	1978.8	529.7	372.3	354.0	352.2	354.0	366.9	380.6	376.0	376.9
62.5°	3367.5	2013.6	519.6	384.2	362.3	355.9	356.8	370.5	385.1	391.6	390.6
65°	3499.3	2016.3	499.5	392.5	372.3	358.6	358.6	371.4	396.1	410.8	410.8
67°	3491.9	1961.4	484.9	393.4	376.9	361.4	357.7	371.4	397.0	413.5	414.4
67.5°	3449.9	1925.7	479.4	393.4	377.8	361.4	356.8	370.5	397.0	414.4	414.4
70°	3196.5	1738.2	443.7	383.3	375.1	356.8	351.3	361.4	391.6	415.3	415.3
72.5°	2647.6	1430.8	393.4	358.6	357.7	344.9	336.7	347.6	376.9	401.6	400.7
75°	2139.8	1143.6	343.1	322.0	331.2	322.0	315.6	323.9	352.2	376.9	375.1
77.5°	1599.1	859.0	296.4	287.3	300.1	293.7	288.2	296.4	323.9	347.6	344.0
80°	1182.0	662.3	258.0	254.3	263.5	261.6	259.8	263.5	287.3	302.8	300.1
82.5°	870.0	504.1	222.3	219.6	230.5	230.5	230.5	233.3	250.7	256.2	253.4
85°	618.4	379.7	195.8	188.5	197.6	202.2	204.9	205.8	215.0	215.9	209.5
87.5°	435.5	299.2	175.6	160.1	164.7	174.7	179.3	178.4	182.1	179.3	172.9
90°	303.7	235.1	159.2	136.3	136.3	146.4	153.7	152.8	153.7	146.4	140.0
92.5°	214.1	177.5	134.5	112.5	110.7	120.8	127.2	126.2	126.2	118.9	112.5
95°	143.6	130.8	107.0	90.6	87.8	96.1	102.5	100.6	100.6	93.3	90.6
97.5°	106.1	99.7	87.8	76.8	71.4	75.9	80.5	80.5	81.4	76.8	74.1
100°	83.3	80.5	75.0	65.9	60.4	61.3	64.0	64.0	67.7	64.0	62.2
102.5°	69.5	67.7	63.1	56.7	52.1	51.2	53.1	54.0	58.5	55.8	54.9
105°	57.6	56.7	54.0	48.5	44.8	44.8	44.8	45.7	50.3	48.5	48.5
107.5°	46.7	46.7	46.7	42.1	39.3	39.3	38.4	39.3	43.0	43.0	43.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.3	39.3	40.3	36.6	34.8	34.8	33.8	34.8	38.4	39.3	39.3
112.5°	33.8	33.8	34.8	32.9	31.1	31.1	30.2	30.2	33.8	36.6	36.6
115°	29.3	30.2	30.2	29.3	28.4	27.4	26.5	27.4	31.1	33.8	33.8
117.5°	25.6	26.5	27.4	26.5	25.6	24.7	23.8	24.7	28.4	32.0	32.0
120°	22.9	23.8	24.7	24.7	23.8	22.9	21.0	22.9	25.6	29.3	30.2
122.5°	21.0	22.0	22.0	22.0	22.0	20.1	19.2	20.1	22.9	26.5	27.4
125°	20.1	20.1	21.0	21.0	20.1	18.3	17.4	18.3	20.1	22.9	23.8
127.5°	19.2	19.2	20.1	20.1	18.3	16.5	15.6	16.5	18.3	20.1	20.1
130°	19.2	19.2	19.2	18.3	17.4	15.6	13.7	14.6	16.5	18.3	18.3
132.5°	18.3	17.4	17.4	17.4	15.6	13.7	12.8	12.8	14.6	16.5	16.5
135°	16.5	16.5	15.6	15.6	14.6	11.9	11.0	11.0	12.8	14.6	14.6
137.5°	14.6	14.6	13.7	13.7	12.8	11.0	9.1	10.1	11.9	11.9	12.8
140°	12.8	12.8	11.9	11.9	11.0	9.1	7.3	8.2	10.1	10.1	11.0
142.5°	11.0	11.0	11.0	10.1	9.1	7.3	6.4	7.3	9.1	9.1	9.1
145°	9.1	9.1	9.1	8.2	7.3	5.5	4.6	6.4	8.2	7.3	7.3
147.5°	7.3	7.3	7.3	7.3	5.5	4.6	3.7	5.5	6.4	6.4	6.4
150°	5.5	5.5	5.5	5.5	4.6	2.7	2.7	4.6	5.5	5.5	5.5
152.5°	4.6	4.6	4.6	5.5	4.6	1.8	1.8	3.7	4.6	4.6	4.6
155°	3.7	3.7	4.6	4.6	3.7	1.8	0.9	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	3.7	3.7	2.7	1.8	0.9	1.8	3.7	2.7	2.7
160°	1.8	2.7	2.7	2.7	2.7	1.8	0.0	1.8	2.7	1.8	1.8
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)