

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: P414048

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414048  
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-PA1-100-830-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA 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: 7329 lumens  
Efficiency: N/A  
Efficacy: 76.3 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): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

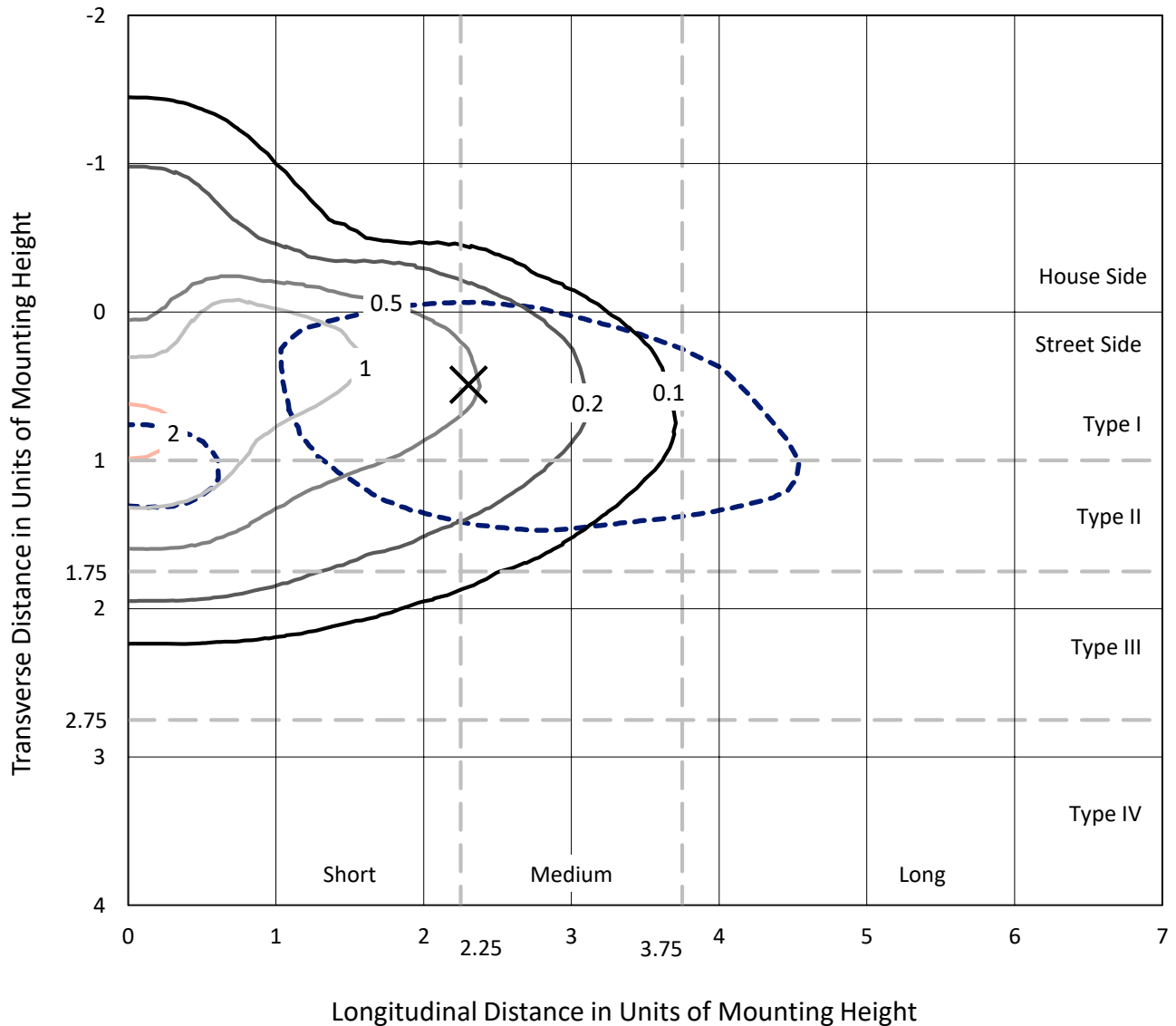


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

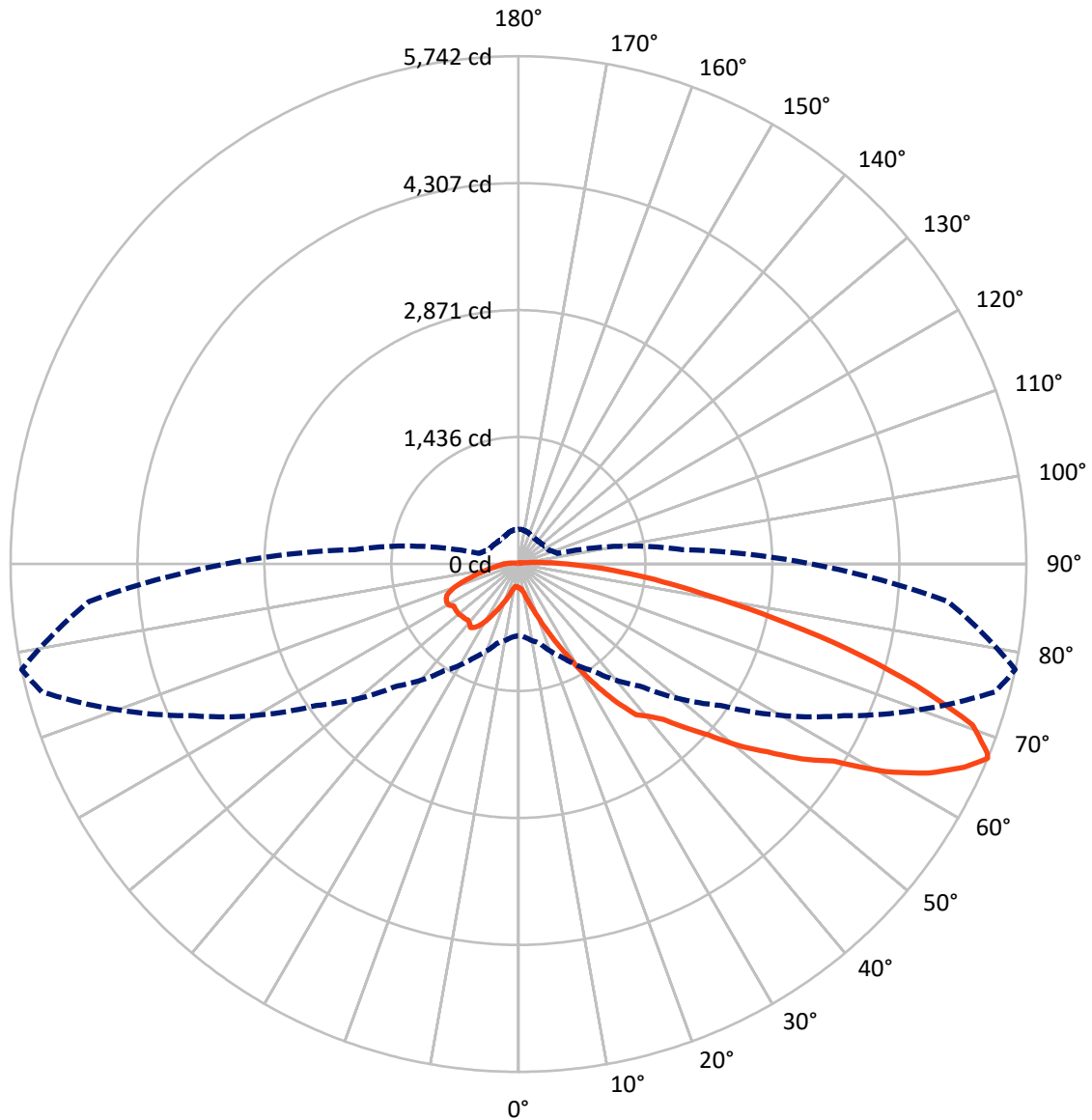


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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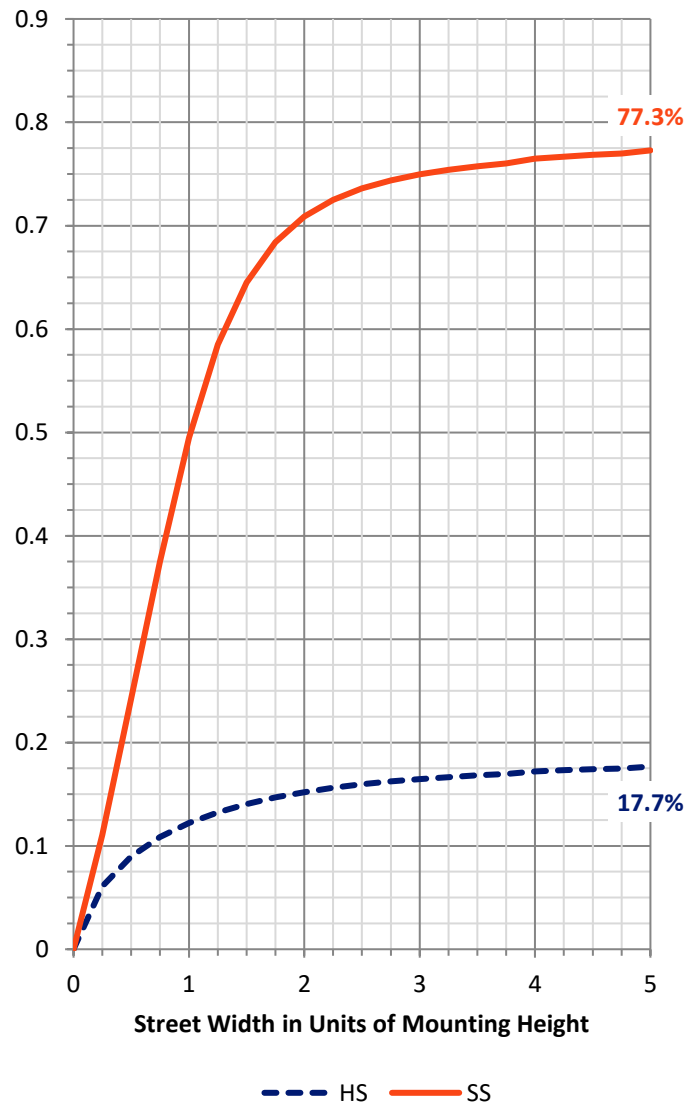
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1355.8	110.9	1466.7
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	5744.1	118.1	5862.3
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	7100.0	229.0	7329.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.9	0.4
10°-20°	114.0	1.6
20°-30°	342.0	4.7
30°-40°	782.8	10.7
40°-50°	1250.3	17.1
50°-60°	1540.8	21.0
60°-70°	1606.0	21.9
70°-80°	1041.3	14.2
80°-90°	395.9	5.4
90°-100°	122.3	1.7
100°-110°	47.0	0.6
110°-120°	25.4	0.3
120°-130°	16.8	0.2
130°-140°	11.1	0.2
140°-150°	4.9	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7100.0	96.9
0°-180°	7329.0	100.0

**Coefficient of Utilization**



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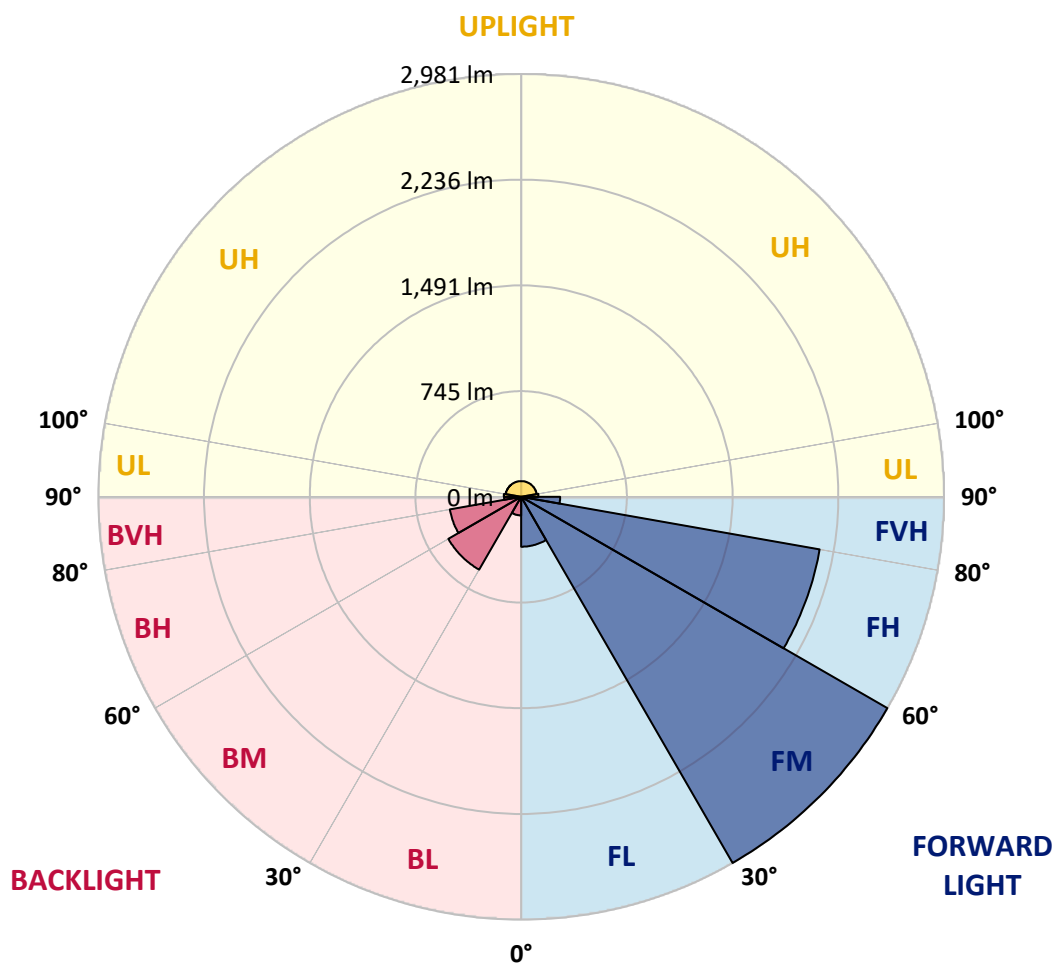
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.9	4.8			
FM (30°-60°)	2981.1	40.7			
FH (60°-80°)	2136.5	29.2			G2/5000
FVH (80°-90°)	274.6	3.7			G3/500
BL (0°-30°)	131.0	1.8	B1/500		
BM (30°-60°)	592.8	8.1	B1/1000		
BH (60°-80°)	510.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	121.3	1.7			G2/225
UL (90°-100°)	122.3	1.7		U3/500	
UH (100°-180°)	110.9	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°	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2
2.5°	301.9	301.0	300.2	298.4	294.9	291.5	286.3	279.3	274.1	273.3	268.1
5°	340.1	337.5	337.5	333.1	326.2	319.2	308.8	296.7	287.1	281.9	274.1
7.5°	386.9	381.7	383.4	376.5	367.0	354.8	338.3	321.8	303.6	298.4	287.1
10°	443.3	439.8	436.4	427.7	416.4	397.3	381.7	357.4	333.1	326.2	308.8
12.5°	511.8	512.7	502.3	492.7	473.7	454.6	435.5	412.1	385.2	377.4	354.8
15°	608.1	607.2	596.0	574.3	550.9	530.0	514.4	489.3	463.2	454.6	420.7
17.5°	720.9	718.3	709.6	671.4	648.0	631.5	609.0	593.4	556.1	546.5	504.9
20°	885.7	870.1	850.1	799.0	764.3	743.4	725.2	705.3	665.4	648.9	599.4
22.5°	1068.8	1076.6	1040.1	961.2	903.1	864.9	845.8	835.4	805.0	793.8	719.2
25°	1296.0	1296.0	1238.8	1152.0	1076.6	1005.4	1001.1	1013.2	972.5	964.7	885.7
27.5°	1535.5	1545.0	1469.5	1376.7	1262.2	1178.9	1174.6	1185.0	1181.5	1159.0	1046.2
30°	1808.7	1800.1	1715.0	1602.3	1450.5	1352.4	1340.3	1415.8	1421.8	1406.2	1283.0
32.5°	2127.1	2120.2	2013.5	1839.1	1651.7	1538.9	1546.7	1653.4	1695.1	1668.2	1524.2
35°	2514.0	2522.7	2355.2	2109.7	1862.5	1732.4	1741.1	1874.7	1952.7	1919.8	1757.5
37.5°	2911.3	2913.9	2760.4	2428.1	2088.9	1904.2	1925.0	2088.1	2188.7	2161.8	1938.9
40°	3162.9	3188.9	3041.4	2725.7	2327.5	2075.9	2093.3	2254.6	2313.6	2263.3	2001.3
42.5°	3383.2	3403.2	3253.1	2913.9	2508.8	2229.5	2223.4	2345.7	2430.7	2399.5	2129.7
45°	3491.7	3530.7	3395.4	3044.9	2636.3	2349.2	2302.3	2485.4	2674.5	2635.5	2337.9
47.5°	3412.7	3460.4	3403.2	3113.4	2693.6	2424.6	2435.1	2686.6	2931.3	2887.9	2565.2
50°	3155.1	3212.3	3231.4	3062.3	2708.3	2462.0	2573.0	2911.3	3239.2	3230.6	2844.5
52.5°	2844.5	2874.9	2958.2	2907.8	2653.7	2505.3	2722.2	3129.1	3556.7	3529.8	3076.1
55°	2557.4	2597.3	2665.8	2636.3	2518.3	2510.5	2840.2	3372.0	3894.2	3890.7	3367.6
57.5°	2161.8	2217.3	2361.3	2377.8	2343.1	2478.4	2926.1	3562.8	4192.6	4204.7	3660.0
60°	1659.5	1706.4	1925.0	2099.3	2129.7	2403.0	2969.4	3772.7	4702.7	4766.0	4170.9
62.5°	1345.5	1354.2	1519.9	1737.6	1944.1	2265.0	2976.4	4038.2	5148.6	5205.8	4477.1
65°	1007.2	1005.4	1158.1	1406.2	1693.4	2103.7	2954.7	4121.5	5390.6	5537.2	4769.5
67°	809.4	828.5	926.5	1162.4	1476.5	1952.7	2786.4	4059.9	5580.6	5742.0	4876.2
67.5°	778.1	787.7	877.0	1100.0	1427.0	1907.6	2736.9	4044.3	5579.7	5716.8	4844.1
70°	621.1	634.1	699.2	846.7	1141.6	1611.8	2389.1	3681.6	5249.2	5448.7	4550.0
72.5°	479.7	490.1	536.1	648.0	869.2	1297.8	1976.2	3168.1	4545.7	4703.6	3857.8
75°	365.2	368.7	412.1	488.4	663.6	989.8	1525.9	2494.9	3738.0	3857.8	3135.1
77.5°	282.8	290.6	323.6	374.8	492.7	745.2	1148.6	1943.2	2973.8	2955.6	2383.9
80°	220.3	227.3	251.6	287.1	369.6	547.4	840.6	1436.6	2172.2	2193.9	1745.4
82.5°	177.0	182.2	198.7	224.7	284.5	416.4	614.2	1074.0	1651.7	1643.9	1279.6
85°	141.4	144.9	157.0	179.6	219.5	315.8	453.7	798.1	1165.9	1175.5	873.6
87.5°	110.2	114.5	128.4	142.3	173.5	240.3	334.9	553.5	775.5	783.3	600.3
90°	85.9	88.5	100.6	115.4	140.5	182.2	242.0	379.1	499.7	490.1	386.0
92.5°	63.3	65.9	77.2	91.1	109.3	140.5	174.4	242.9	292.3	298.4	241.2
95°	45.1	47.7	57.3	67.7	83.3	106.7	124.1	154.4	179.6	174.4	154.4
97.5°	34.7	35.6	42.5	50.3	63.3	82.4	92.0	106.7	118.0	115.4	107.6
100°	27.8	28.6	33.8	38.2	49.4	65.1	73.7	81.5	88.5	85.9	82.4
102.5°	23.4	24.3	27.8	31.2	40.8	54.7	59.9	65.1	67.7	67.7	65.9
105°	20.0	20.8	23.4	26.9	34.7	45.1	48.6	51.2	53.8	52.9	52.9
107.5°	18.2	18.2	20.8	23.4	30.4	38.2	39.9	40.8	41.6	41.6	43.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	16.5	17.3	19.1	20.8	26.9	33.8	33.8	33.0	33.0	33.0	35.6
112.5°	15.6	16.5	17.3	20.0	25.2	29.5	28.6	26.9	26.9	27.8	30.4
115°	15.6	15.6	16.5	19.1	23.4	26.9	25.2	22.6	22.6	23.4	26.0
117.5°	15.6	15.6	17.3	19.1	22.6	24.3	22.6	20.0	19.1	20.0	22.6
120°	16.5	16.5	17.3	19.1	20.8	22.6	20.8	18.2	17.3	18.2	20.8
122.5°	17.3	17.3	17.3	19.1	20.0	20.8	19.1	16.5	15.6	16.5	19.1
125°	18.2	18.2	18.2	19.1	20.0	19.1	17.3	15.6	15.6	15.6	18.2
127.5°	20.0	20.0	20.0	20.0	19.1	18.2	16.5	14.7	15.6	15.6	17.3
130°	21.7	21.7	20.8	20.0	19.1	17.3	15.6	13.9	14.7	15.6	17.3
132.5°	22.6	21.7	20.8	19.1	18.2	15.6	13.9	13.0	13.9	14.7	16.5
135°	20.8	20.8	19.1	17.3	16.5	13.9	12.1	12.1	13.0	13.9	14.7
137.5°	18.2	18.2	17.3	15.6	14.7	13.0	11.3	10.4	12.1	13.0	13.9
140°	15.6	15.6	14.7	13.0	12.1	11.3	9.5	8.7	10.4	11.3	12.1
142.5°	13.0	13.0	12.1	10.4	10.4	9.5	7.8	7.8	9.5	9.5	10.4
145°	10.4	10.4	10.4	8.7	8.7	7.8	6.1	6.9	7.8	8.7	8.7
147.5°	8.7	8.7	8.7	6.9	6.9	6.1	4.3	5.2	6.1	6.9	6.9
150°	6.9	6.9	6.9	6.1	5.2	4.3	3.5	4.3	4.3	5.2	5.2
152.5°	5.2	5.2	5.2	4.3	4.3	2.6	2.6	3.5	3.5	4.3	4.3
155°	3.5	3.5	4.3	3.5	2.6	1.7	2.6	2.6	3.5	3.5	3.5
157.5°	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2
2.5°	265.5	263.7	259.4	255.0	250.7	247.2	242.9	242.0	242.0	240.3	240.3
5°	268.9	263.7	253.3	244.6	235.1	227.3	221.2	218.6	216.0	214.3	212.5
7.5°	276.7	268.1	250.7	236.8	222.9	210.8	202.1	197.8	195.2	192.6	193.5
10°	294.9	281.9	256.8	234.2	213.4	196.9	186.5	181.3	179.6	177.0	177.0
12.5°	334.0	316.6	280.2	242.0	209.9	187.4	175.2	173.5	175.2	177.8	177.8
15°	395.6	369.6	316.6	263.7	217.7	185.6	178.7	183.9	190.0	193.5	193.5
17.5°	471.0	435.5	360.0	288.9	229.0	201.3	192.6	199.5	207.3	212.5	212.5
20°	554.3	506.6	404.3	310.6	245.5	222.9	213.4	219.5	229.9	237.7	236.8
22.5°	662.8	593.4	455.4	329.6	265.5	242.9	236.8	244.6	260.2	270.7	271.5
25°	797.2	701.8	515.3	354.8	283.7	260.2	262.0	275.9	296.7	308.0	308.0
27.5°	940.4	819.8	566.5	380.0	302.8	278.5	287.1	306.2	328.8	341.8	343.5
30°	1129.5	971.6	630.7	405.1	319.2	296.7	307.1	329.6	346.1	353.9	354.8
32.5°	1322.1	1115.6	681.9	431.1	334.9	309.7	319.2	340.9	355.7	364.3	363.5
35°	1496.4	1231.8	712.2	443.3	348.7	319.2	323.6	347.0	355.7	360.9	360.0
37.5°	1630.0	1315.1	723.5	445.9	353.9	323.6	325.3	345.3	357.4	367.0	365.2
40°	1652.6	1303.8	681.0	430.3	353.1	323.6	327.0	349.6	362.6	367.0	366.1
42.5°	1735.9	1335.1	644.5	402.5	342.7	322.7	330.5	351.3	357.4	354.8	352.2
45°	1880.7	1401.0	634.1	388.6	329.6	320.1	332.3	347.0	346.1	340.9	339.2
47.5°	2023.9	1464.3	611.6	382.6	326.2	319.2	331.4	341.8	344.4	339.2	337.5
50°	2206.0	1548.5	593.4	373.9	327.0	319.2	329.6	341.8	343.5	334.9	334.0
52.5°	2369.1	1606.6	566.5	366.1	327.9	321.8	329.6	341.8	342.7	334.0	332.3
55°	2539.2	1668.2	538.7	358.3	330.5	324.4	332.3	342.7	343.5	337.5	335.7
57.5°	2709.2	1722.0	507.5	352.2	333.1	329.6	334.0	343.5	350.5	348.7	348.7
60°	3056.2	1876.4	502.3	353.1	335.7	334.0	335.7	347.9	360.9	356.5	357.4
62.5°	3193.2	1909.4	492.7	364.3	343.5	337.5	338.3	351.3	365.2	371.3	370.4
65°	3318.2	1912.0	473.7	372.2	353.1	340.1	340.1	352.2	375.6	389.5	389.5
67°	3311.2	1859.9	459.8	373.0	357.4	342.7	339.2	352.2	376.5	392.1	393.0
67.5°	3271.3	1826.1	454.6	373.0	358.3	342.7	338.3	351.3	376.5	393.0	393.0
70°	3031.0	1648.2	420.7	363.5	355.7	338.3	333.1	342.7	371.3	393.8	393.8
72.5°	2510.5	1356.8	373.0	340.1	339.2	327.0	319.2	329.6	357.4	380.8	380.0
75°	2029.1	1084.4	325.3	305.4	314.0	305.4	299.3	307.1	334.0	357.4	355.7
77.5°	1516.4	814.6	281.1	272.4	284.5	278.5	273.3	281.1	307.1	329.6	326.2
80°	1120.8	628.1	244.6	241.2	249.8	248.1	246.4	249.8	272.4	287.1	284.5
82.5°	825.0	478.0	210.8	208.2	218.6	218.6	218.6	221.2	237.7	242.9	240.3
85°	586.4	360.0	185.6	178.7	187.4	191.7	194.3	195.2	203.9	204.7	198.7
87.5°	412.9	283.7	166.6	151.8	156.1	165.7	170.0	169.2	172.6	170.0	164.0
90°	288.0	222.9	150.9	129.3	129.3	138.8	145.7	144.9	145.7	138.8	132.7
92.5°	203.0	168.3	127.5	106.7	105.0	114.5	120.6	119.7	119.7	112.8	106.7
95°	136.2	124.1	101.5	85.9	83.3	91.1	97.2	95.4	95.4	88.5	85.9
97.5°	100.6	94.6	83.3	72.9	67.7	72.0	76.3	76.3	77.2	72.9	70.3
100°	78.9	76.3	71.1	62.5	57.3	58.1	60.7	60.7	64.2	60.7	59.0
102.5°	65.9	64.2	59.9	53.8	49.4	48.6	50.3	51.2	55.5	52.9	52.0
105°	54.7	53.8	51.2	46.0	42.5	42.5	42.5	43.4	47.7	46.0	46.0
107.5°	44.2	44.2	44.2	39.9	37.3	37.3	36.4	37.3	40.8	40.8	40.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.3	37.3	38.2	34.7	33.0	33.0	32.1	33.0	36.4	37.3	37.3
112.5°	32.1	32.1	33.0	31.2	29.5	29.5	28.6	28.6	32.1	34.7	34.7
115°	27.8	28.6	28.6	27.8	26.9	26.0	25.2	26.0	29.5	32.1	32.1
117.5°	24.3	25.2	26.0	25.2	24.3	23.4	22.6	23.4	26.9	30.4	30.4
120°	21.7	22.6	23.4	23.4	22.6	21.7	20.0	21.7	24.3	27.8	28.6
122.5°	20.0	20.8	20.8	20.8	20.8	19.1	18.2	19.1	21.7	25.2	26.0
125°	19.1	19.1	20.0	20.0	19.1	17.3	16.5	17.3	19.1	21.7	22.6
127.5°	18.2	18.2	19.1	19.1	17.3	15.6	14.7	15.6	17.3	19.1	19.1
130°	18.2	18.2	18.2	17.3	16.5	14.7	13.0	13.9	15.6	17.3	17.3
132.5°	17.3	16.5	16.5	16.5	14.7	13.0	12.1	12.1	13.9	15.6	15.6
135°	15.6	15.6	14.7	14.7	13.9	11.3	10.4	10.4	12.1	13.9	13.9
137.5°	13.9	13.9	13.0	13.0	12.1	10.4	8.7	9.5	11.3	11.3	12.1
140°	12.1	12.1	11.3	11.3	10.4	8.7	6.9	7.8	9.5	9.5	10.4
142.5°	10.4	10.4	10.4	9.5	8.7	6.9	6.1	6.9	8.7	8.7	8.7
145°	8.7	8.7	8.7	7.8	6.9	5.2	4.3	6.1	7.8	6.9	6.9
147.5°	6.9	6.9	6.9	6.9	5.2	4.3	3.5	5.2	6.1	6.1	6.1
150°	5.2	5.2	5.2	5.2	4.3	2.6	2.6	4.3	5.2	5.2	5.2
152.5°	4.3	4.3	4.3	5.2	4.3	1.7	1.7	3.5	4.3	4.3	4.3
155°	3.5	3.5	4.3	4.3	3.5	1.7	0.9	2.6	3.5	3.5	3.5
157.5°	2.6	2.6	3.5	3.5	2.6	1.7	0.9	1.7	3.5	2.6	2.6
160°	1.7	2.6	2.6	2.6	2.6	1.7	0.0	1.7	2.6	1.7	1.7
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)