

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: P416709

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7897 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

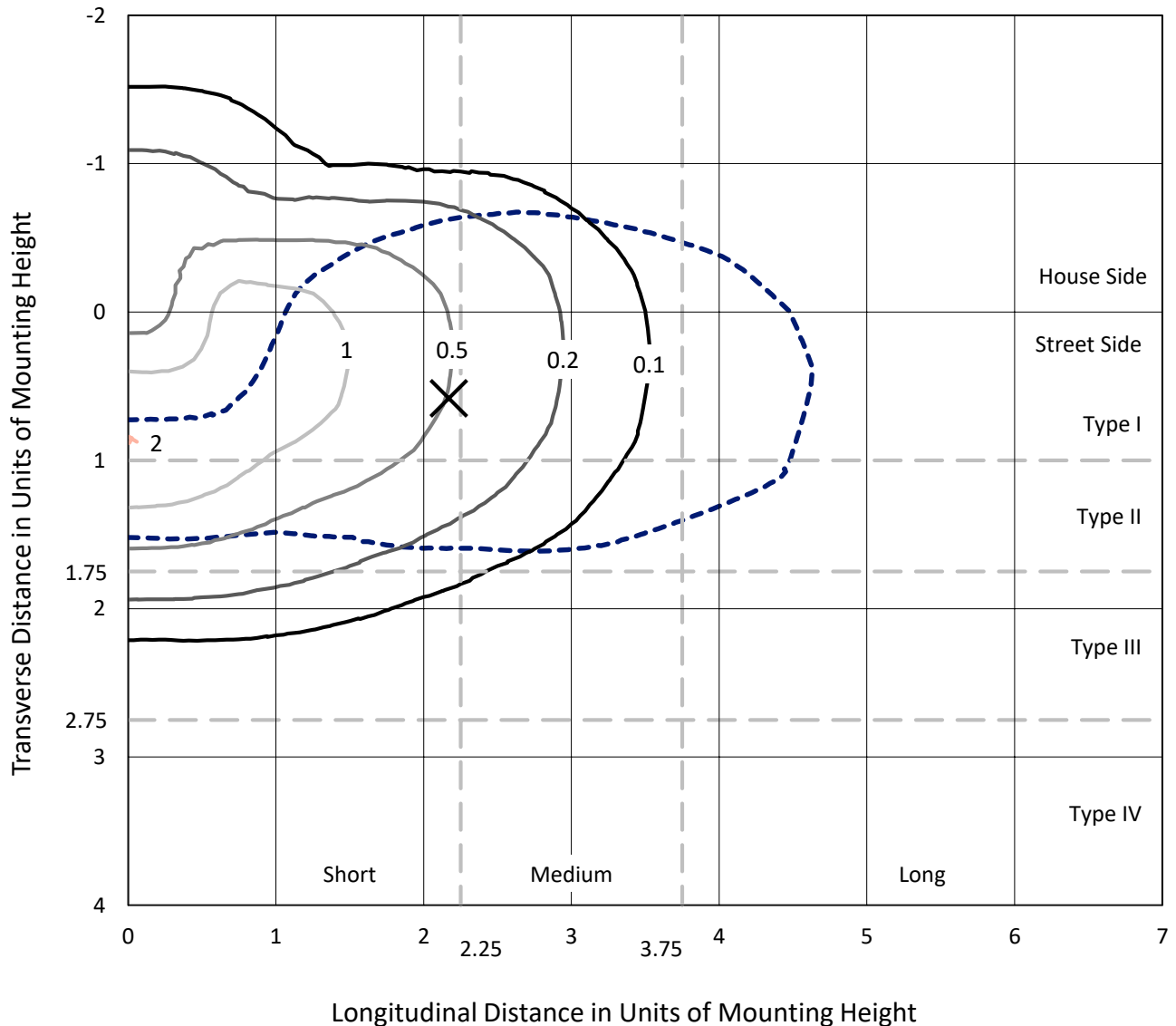
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

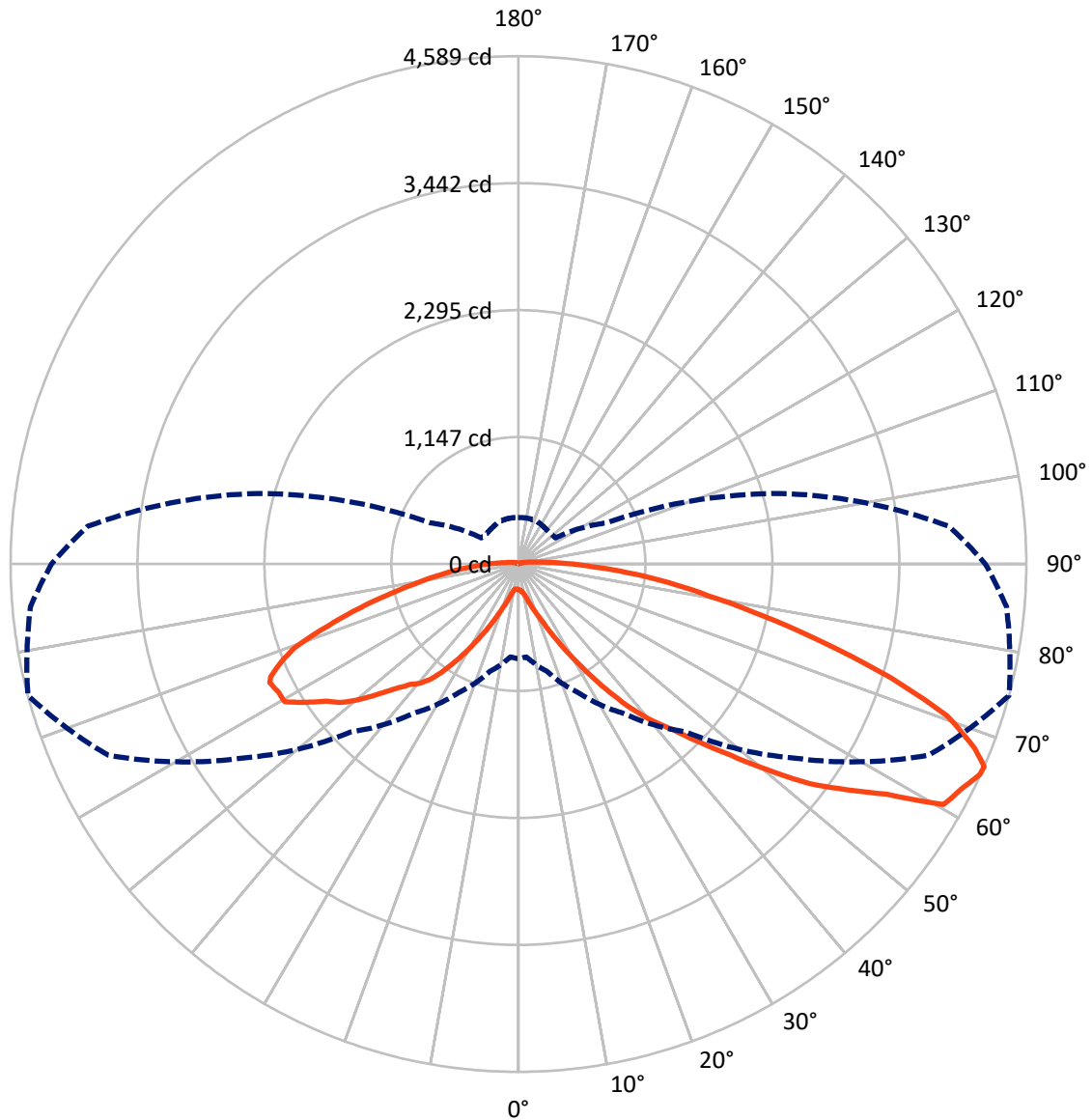
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2242.9	109.5	2352.4
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	5436.3	108.3	5544.6
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	7679.2	217.8	7897.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.5	0.3
10°-20°	99.2	1.3
20°-30°	301.0	3.8
30°-40°	744.4	9.4
40°-50°	1344.3	17.0
50°-60°	1816.4	23.0
60°-70°	1823.4	23.1
70°-80°	1101.3	13.9
80°-90°	425.7	5.4
90°-100°	126.4	1.6
100°-110°	45.6	0.6
110°-120°	22.1	0.3
120°-130°	13.1	0.2
130°-140°	7.7	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7679.2	97.2
0°-180°	7897.0	100.0



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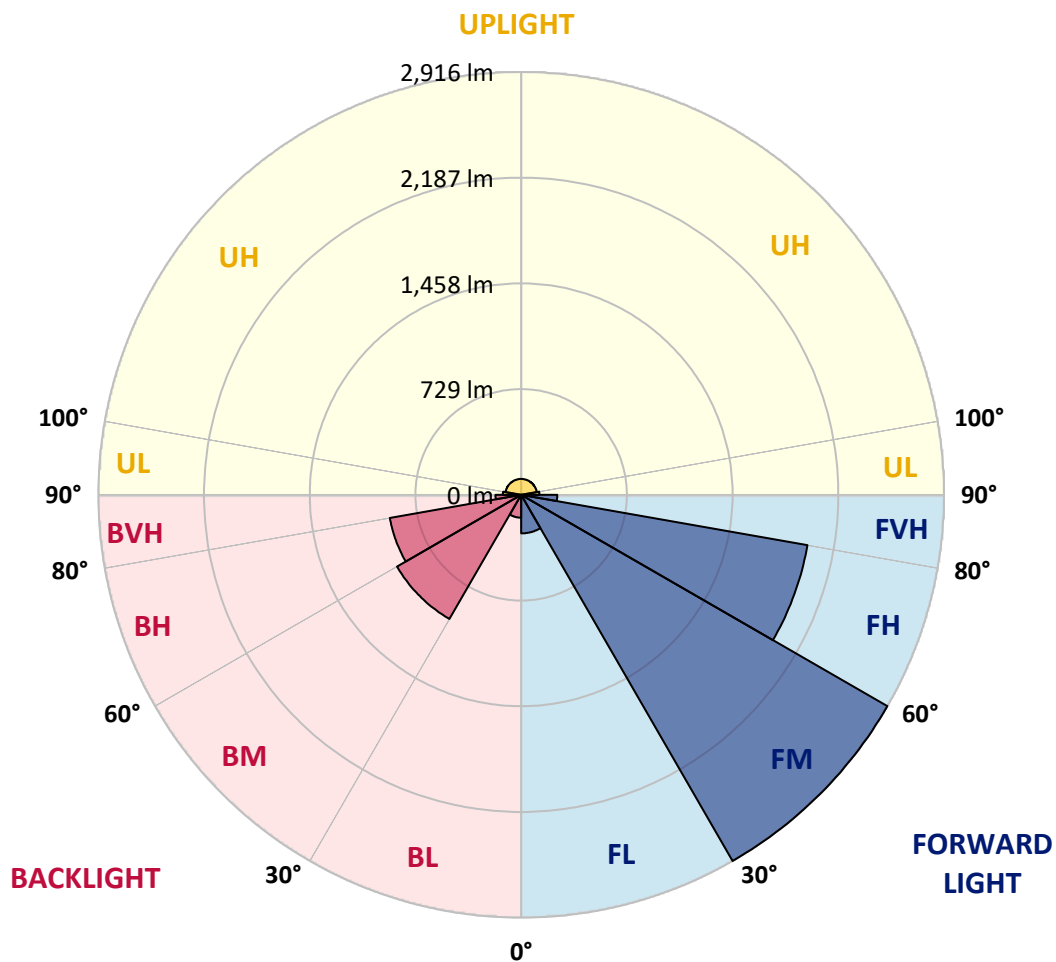
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.0	3.4			
FM (30°-60°)	2916.5	36.9			
FH (60°-80°)	2005.1	25.4			G2/5000
FVH (80°-90°)	248.6	3.1			G3/500
BL (0°-30°)	157.7	2.0	B1/500		
BM (30°-60°)	988.7	12.5	B1/1000		
BH (60°-80°)	919.5	11.6	B2/1000		G2/1000
BVH (80°-90°)	177.1	2.2			G2/225
UL (90°-100°)	126.4	1.6		U3/500	
UH (100°-180°)	109.5	1.4		U3/500	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	256.8	255.0	253.2	251.4	249.5	247.7	244.1	239.5	235.9	235.9	232.2
5°	280.5	278.7	275.9	272.3	268.7	265.0	257.7	250.4	243.2	243.2	236.8
7.5°	309.6	308.7	305.1	300.5	292.3	284.1	275.0	264.1	254.1	253.2	245.0
10°	347.0	345.2	339.7	333.3	324.2	313.3	300.5	286.9	272.3	271.4	261.4
12.5°	398.9	395.2	386.1	376.1	358.8	347.9	333.3	320.6	309.6	306.9	293.2
15°	466.3	461.7	451.7	434.4	411.6	391.6	383.4	369.7	357.9	354.3	341.5
17.5°	552.8	548.2	530.9	503.6	479.9	459.9	441.7	428.0	418.0	417.1	398.9
20°	671.2	660.3	632.0	593.8	562.8	538.2	512.7	497.2	487.2	483.6	472.7
22.5°	816.9	814.2	774.1	724.0	673.0	628.4	600.2	582.8	575.6	576.5	570.1
25°	1002.7	994.5	956.2	883.4	806.9	750.4	711.3	700.3	699.4	693.0	690.3
27.5°	1201.2	1190.3	1140.2	1070.1	969.0	892.5	848.8	836.9	839.7	832.4	837.8
30°	1444.4	1438.9	1366.0	1264.0	1154.8	1054.6	1009.1	999.0	1005.4	1014.5	1009.1
32.5°	1744.9	1753.1	1653.8	1516.3	1363.3	1247.7	1197.6	1193.9	1203.0	1201.2	1198.5
35°	2111.0	2125.6	1988.1	1821.4	1611.0	1473.5	1410.7	1406.1	1424.3	1422.5	1424.3
37.5°	2502.6	2509.0	2397.0	2132.9	1887.9	1697.5	1645.6	1640.2	1657.5	1647.5	1637.4
40°	2811.3	2841.4	2710.2	2483.5	2163.8	1969.8	1907.0	1876.9	1861.5	1850.5	1777.7
42.5°	3103.7	3085.4	2992.6	2740.3	2447.0	2235.8	2152.0	2095.5	2045.4	2038.1	1958.0
45°	3294.9	3272.1	3183.8	2950.7	2675.6	2500.8	2423.4	2355.1	2298.6	2273.1	2176.6
47.5°	3305.8	3294.9	3274.0	3099.1	2858.7	2706.6	2681.1	2644.7	2582.7	2583.7	2459.8
50°	3139.2	3121.9	3182.9	3116.4	2949.8	2869.6	2966.1	3006.2	2927.0	2918.8	2790.4
52.5°	2844.1	2835.0	2946.1	3011.7	2952.5	2983.4	3212.9	3358.7	3296.7	3263.9	3098.2
55°	2545.4	2556.3	2652.9	2758.5	2855.9	3016.2	3431.5	3722.0	3600.0	3578.1	3371.4
57.5°	2138.3	2174.7	2318.6	2484.4	2637.4	2970.7	3546.3	3952.4	3921.5	3913.3	3736.6
60°	1692.1	1688.4	1901.5	2142.9	2394.2	2820.4	3552.6	4242.0	4414.2	4375.0	4125.5
62.5°	1314.1	1323.2	1476.2	1778.6	2115.6	2591.8	3465.2	4371.4	4486.1	4441.5	4223.8
65°	951.7	966.3	1152.9	1397.0	1777.7	2283.1	3216.6	4195.6	4583.5	4556.2	4433.3
66°	855.1	842.4	1006.3	1283.2	1644.7	2146.5	3059.9	4089.0	4589.0	4573.5	4426.9
67.5°	687.6	704.0	830.6	1071.9	1430.7	1928.9	2776.7	3918.7	4446.9	4426.0	4327.6
70°	509.1	524.6	611.1	804.1	1085.6	1538.2	2295.9	3385.1	4111.8	4127.3	4116.4
72.5°	377.0	393.4	452.6	592.0	803.2	1143.8	1819.6	2853.2	3516.2	3552.6	3527.1
75°	293.2	299.6	348.8	446.2	587.4	806.0	1346.0	2211.2	2862.3	2929.7	2953.4
77.5°	235.9	241.3	281.4	344.2	439.9	588.3	943.5	1648.4	2265.8	2313.2	2357.8
80°	190.3	194.0	226.8	276.9	337.0	420.7	636.6	1197.6	1738.5	1765.8	1831.4
82.5°	153.0	155.7	179.4	222.2	269.6	319.7	452.6	836.0	1365.1	1390.6	1473.5
85°	120.2	122.0	143.0	176.7	216.7	253.2	326.9	591.0	983.6	1007.2	1107.4
87.5°	94.7	96.5	112.9	137.5	174.9	200.4	241.3	398.0	663.9	697.6	811.4
90°	74.7	75.6	87.4	106.6	135.7	163.0	189.4	277.8	442.6	461.7	525.5
92.5°	56.5	57.4	66.5	81.1	105.6	129.3	144.8	192.2	283.2	291.4	337.0
95°	41.9	42.8	50.1	59.2	79.2	101.1	112.0	134.8	178.5	189.4	201.3
97.5°	32.8	33.7	38.2	43.7	58.3	79.2	89.2	99.3	122.0	125.7	134.8
100°	28.2	28.2	31.0	34.6	43.7	61.9	70.1	78.3	92.0	92.0	97.4
102.5°	23.7	23.7	25.5	27.3	35.5	49.2	56.5	61.9	69.2	70.1	74.7
105°	20.9	20.9	21.9	23.7	30.1	40.1	46.4	49.2	53.7	53.7	55.6
107.5°	18.2	18.2	19.1	20.0	26.4	33.7	37.3	38.2	40.1	40.1	42.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	17.3	17.3	17.3	18.2	22.8	29.1	31.0	30.1	31.0	31.0	33.7
112.5°	16.4	15.5	15.5	16.4	20.9	25.5	25.5	24.6	24.6	24.6	27.3
115°	15.5	15.5	14.6	15.5	19.1	21.9	21.9	20.0	20.0	20.0	22.8
117.5°	15.5	15.5	14.6	14.6	17.3	20.0	19.1	17.3	16.4	17.3	20.0
120°	15.5	15.5	13.7	13.7	16.4	17.3	17.3	14.6	14.6	14.6	17.3
122.5°	15.5	15.5	13.7	13.7	15.5	16.4	15.5	12.7	12.7	12.7	15.5
125°	16.4	15.5	13.7	13.7	14.6	14.6	13.7	11.8	10.9	10.9	13.7
127.5°	16.4	16.4	14.6	13.7	13.7	13.7	12.7	10.9	10.0	10.0	12.7
130°	18.2	17.3	15.5	13.7	12.7	11.8	10.9	10.0	10.0	10.0	11.8
132.5°	18.2	18.2	15.5	12.7	11.8	10.9	10.0	8.2	9.1	9.1	10.9
135°	17.3	16.4	13.7	11.8	10.9	9.1	8.2	7.3	8.2	8.2	10.0
137.5°	15.5	14.6	12.7	10.0	9.1	7.3	6.4	5.5	6.4	6.4	8.2
140°	12.7	12.7	10.0	8.2	7.3	6.4	5.5	3.6	4.6	5.5	6.4
142.5°	10.9	10.0	8.2	6.4	5.5	4.6	3.6	2.7	3.6	3.6	4.6
145°	9.1	8.2	6.4	4.6	3.6	2.7	1.8	1.8	1.8	1.8	2.7
147.5°	7.3	6.4	4.6	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
150°	5.5	5.5	3.6	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.6	4.6	2.7	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.7	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	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°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	231.3	229.5	227.7	225.9	224.0	223.1	220.4	218.6	218.6	218.6	217.7
5°	234.0	230.4	225.9	222.2	217.7	214.0	211.3	208.5	206.7	206.7	206.7
7.5°	240.4	236.8	228.6	221.3	214.9	209.5	205.8	203.1	202.2	201.3	201.3
10°	255.0	248.6	237.7	226.8	217.7	210.4	206.7	204.9	204.0	204.0	204.0
12.5°	287.8	278.7	262.3	244.1	228.6	217.7	214.0	214.0	219.5	222.2	222.2
15°	331.5	323.3	304.2	278.7	254.1	235.9	233.1	239.5	246.8	250.4	249.5
17.5°	391.6	380.7	355.2	321.5	288.7	270.5	262.3	268.7	277.8	282.3	282.3
20°	462.6	451.7	417.1	371.6	331.5	311.5	298.7	298.7	310.5	314.2	316.0
22.5°	560.1	543.7	494.5	431.7	379.8	348.8	333.3	330.6	344.2	350.6	348.8
25°	669.4	656.6	599.2	505.4	438.0	388.0	367.0	367.0	384.3	398.9	399.8
27.5°	822.4	790.5	710.3	595.6	494.5	424.4	401.6	406.2	424.4	439.0	439.0
30°	982.6	959.9	842.4	691.2	549.2	458.1	425.3	432.6	449.0	465.4	465.4
32.5°	1176.6	1138.4	993.6	785.9	599.2	479.9	438.0	448.1	467.2	483.6	483.6
35°	1366.0	1335.1	1145.7	885.2	643.0	489.0	443.5	455.3	477.2	497.2	499.1
37.5°	1586.4	1519.0	1294.1	974.4	674.8	490.9	441.7	462.6	491.8	514.5	515.5
40°	1718.5	1637.4	1394.3	1040.9	689.4	484.5	441.7	468.1	492.7	500.9	500.0
42.5°	1875.1	1773.1	1464.4	1049.1	671.2	471.7	440.8	461.7	472.7	472.7	471.7
45°	2085.5	1970.8	1575.5	1053.7	633.8	456.3	433.5	447.2	444.4	436.2	433.5
47.5°	2343.2	2203.9	1716.7	1070.1	597.4	440.8	425.3	428.9	416.2	398.0	397.1
50°	2651.0	2487.1	1882.4	1087.4	565.5	428.0	418.0	414.4	401.6	386.1	384.3
52.5°	2939.7	2742.1	2032.7	1099.2	539.1	419.8	412.5	411.6	398.9	378.9	377.0
55°	3201.1	2964.3	2133.8	1076.4	515.5	416.2	412.5	413.5	397.1	377.0	374.3
57.5°	3579.0	3319.5	2294.0	1042.7	487.2	415.3	415.3	416.2	396.2	377.0	374.3
60°	3907.8	3619.1	2451.6	1040.0	459.9	414.4	416.2	415.3	400.7	388.9	386.1
62.5°	4020.7	3745.7	2458.9	974.4	442.6	409.8	412.5	417.1	414.4	408.9	406.2
65°	4233.8	3933.3	2489.8	900.7	418.0	401.6	408.0	419.8	421.7	418.0	415.3
66°	4218.4	3906.9	2459.8	877.9	409.8	397.1	405.3	418.0	421.7	420.7	418.9
67.5°	4141.9	3838.6	2360.5	813.3	398.0	388.9	400.7	413.5	421.7	424.4	422.6
70°	3935.1	3632.8	2162.9	715.8	375.2	369.7	386.1	402.5	416.2	420.7	419.8
72.5°	3353.2	3065.4	1809.6	611.1	343.3	342.4	361.5	381.6	398.0	402.5	400.7
75°	2815.0	2531.7	1486.3	503.6	310.5	311.5	329.7	348.8	361.5	361.5	362.5
77.5°	2256.7	2017.2	1177.5	418.0	276.9	276.9	289.6	305.1	313.3	309.6	304.2
80°	1735.8	1577.3	919.8	349.7	243.2	241.3	247.7	259.5	265.9	257.7	251.4
82.5°	1401.6	1265.0	727.6	291.4	210.4	210.4	208.5	211.3	219.5	223.1	214.0
85°	1063.7	940.8	547.3	239.5	182.1	177.6	182.1	184.0	188.5	180.3	174.9
87.5°	752.2	666.6	397.1	199.4	155.7	153.0	152.1	153.9	156.6	151.2	148.4
90°	505.4	443.5	286.9	166.7	133.0	128.4	126.6	126.6	128.4	119.3	116.6
92.5°	324.2	286.9	199.4	133.0	111.1	105.6	102.0	102.9	102.0	92.9	91.1
95°	202.2	183.1	143.9	104.7	89.2	84.7	81.1	80.1	79.2	72.9	71.0
97.5°	132.1	125.7	107.5	82.9	71.0	67.4	65.6	64.7	64.7	60.1	57.4
100°	98.4	95.6	84.7	69.2	58.3	55.6	53.7	53.7	55.6	51.9	50.1
102.5°	76.5	77.4	69.2	58.3	49.2	47.4	45.5	45.5	47.4	45.5	44.6
105°	58.3	58.3	56.5	48.3	41.9	41.0	39.2	39.2	41.0	41.0	41.0
107.5°	45.5	47.4	45.5	40.1	36.4	35.5	33.7	33.7	35.5	36.4	37.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.4	38.2	37.3	34.6	31.9	31.0	29.1	28.2	30.1	32.8	32.8
112.5°	29.1	31.0	31.0	29.1	27.3	27.3	25.5	24.6	26.4	29.1	29.1
115°	24.6	26.4	26.4	25.5	24.6	23.7	21.9	20.9	22.8	25.5	26.4
117.5°	20.9	22.8	22.8	22.8	21.9	20.9	19.1	18.2	19.1	21.9	22.8
120°	19.1	20.0	20.0	20.0	19.1	19.1	17.3	16.4	17.3	20.0	20.0
122.5°	16.4	17.3	18.2	18.2	17.3	17.3	15.5	13.7	14.6	17.3	18.2
125°	14.6	15.5	16.4	16.4	15.5	15.5	13.7	12.7	13.7	15.5	16.4
127.5°	13.7	14.6	14.6	14.6	14.6	13.7	11.8	10.9	11.8	14.6	14.6
130°	12.7	13.7	13.7	13.7	12.7	11.8	10.9	10.0	10.9	13.7	13.7
132.5°	11.8	12.7	12.7	11.8	11.8	10.9	9.1	8.2	10.0	11.8	11.8
135°	10.0	10.9	10.9	10.9	10.0	9.1	8.2	7.3	9.1	10.0	10.0
137.5°	8.2	9.1	9.1	9.1	8.2	7.3	6.4	6.4	7.3	9.1	9.1
140°	6.4	7.3	7.3	7.3	6.4	6.4	5.5	4.6	6.4	7.3	7.3
142.5°	4.6	5.5	5.5	5.5	4.6	4.6	3.6	3.6	5.5	6.4	6.4
145°	2.7	3.6	3.6	3.6	3.6	2.7	2.7	2.7	3.6	4.6	4.6
147.5°	1.8	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	3.6	3.6
150°	0.9	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	2.7
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.0
157.5°	0.0	0.0	0.0	0.9	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)