

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: P413790

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8195 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

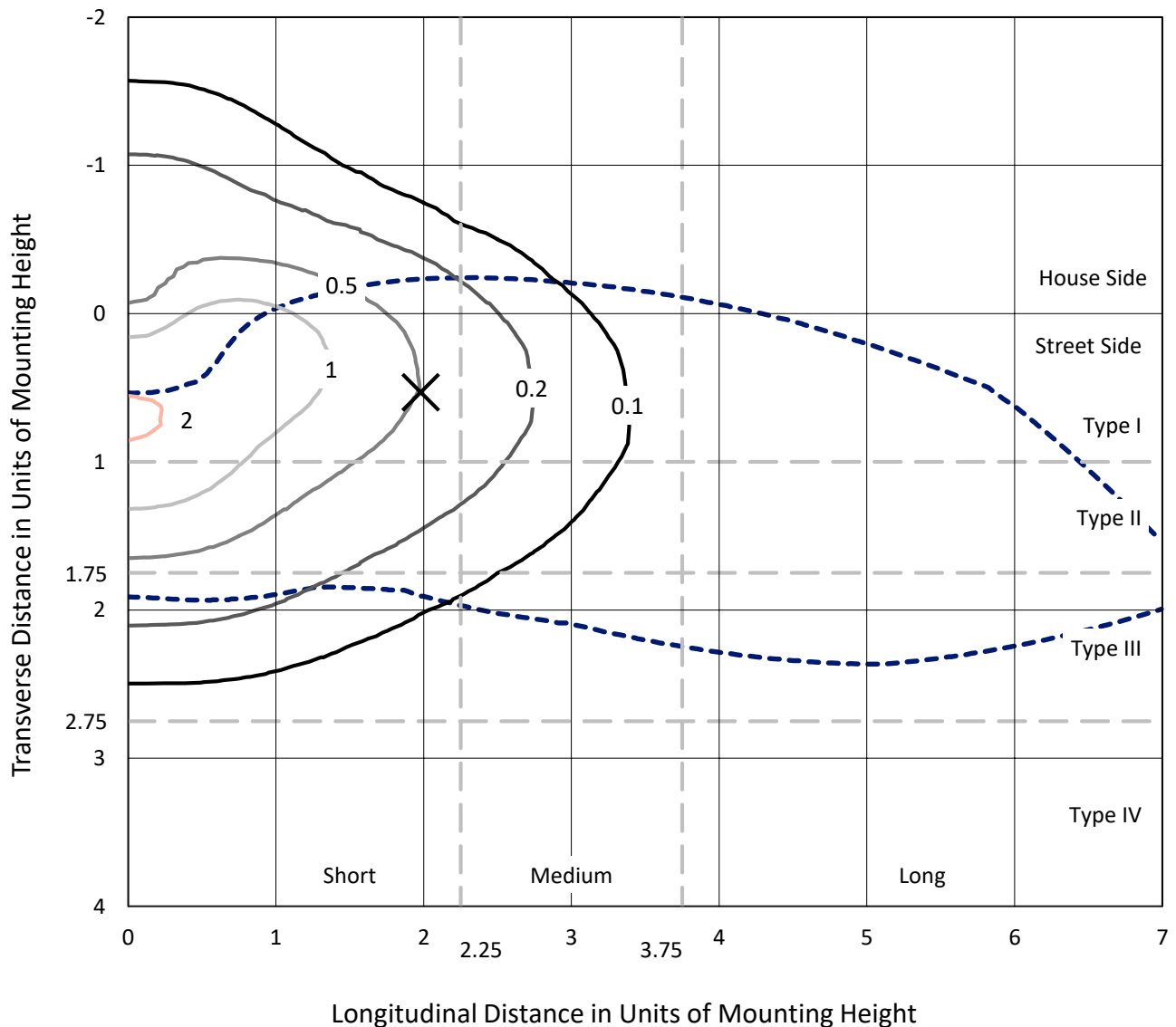
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

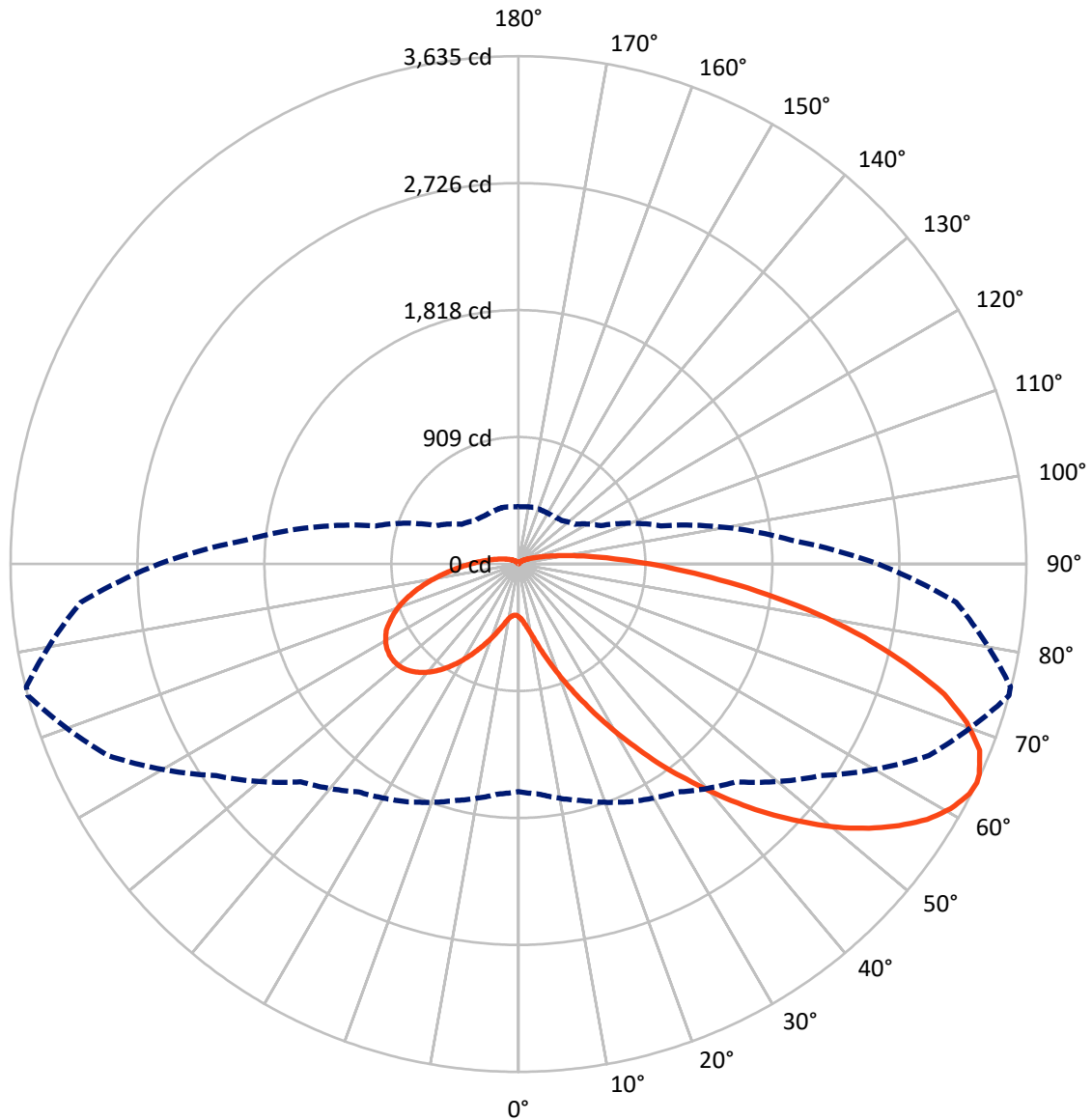
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1807.5	238.0	2045.5
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	5787.3	362.2	6149.5
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	7594.8	600.2	8195.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	0.5
10°-20°	165.3	2.0
20°-30°	418.4	5.1
30°-40°	819.5	10.0
40°-50°	1274.9	15.6
50°-60°	1563.5	19.1
60°-70°	1519.9	18.5
70°-80°	1146.2	14.0
80°-90°	647.2	7.9
90°-100°	305.3	3.7
100°-110°	147.5	1.8
110°-120°	77.4	0.9
120°-130°	41.6	0.5
130°-140°	20.4	0.2
140°-150°	7.0	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7594.8	92.7
0°-180°	8195.0	100.0

**Coefficient of Utilization**



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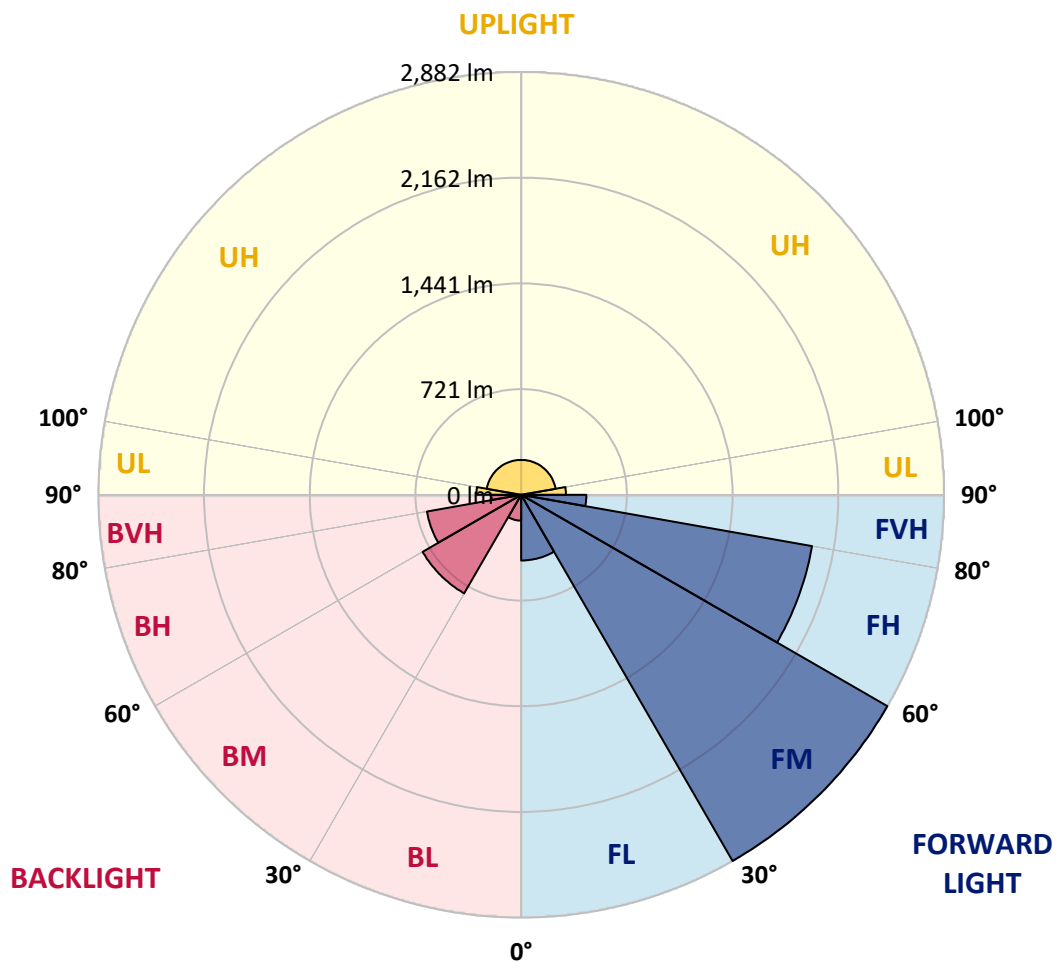
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.7	5.5			
FM	(30°-60°)	2882.2	35.2			
FH	(60°-80°)	2013.5	24.6			G2/5000
FVH	(80°-90°)	443.9	5.4			G3/500
BL	(0°-30°)	175.8	2.1	B1/500		
BM	(30°-60°)	775.7	9.5	B1/1000		
BH	(60°-80°)	652.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	203.3	2.5			G2/225
UL	(90°-100°)	305.3	3.7		U3/500	
UH	(100°-180°)	238.0	2.9		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8
2.5°	440.5	436.5	434.5	433.5	426.6	419.6	411.6	403.7	394.7	392.8	384.8
5°	509.1	504.1	502.1	496.2	486.2	474.3	457.4	441.5	421.6	422.6	404.7
7.5°	587.6	583.7	577.7	568.7	553.8	537.9	513.1	489.2	462.4	459.4	433.5
10°	677.1	674.1	668.2	654.3	635.4	608.5	583.7	547.9	510.1	508.1	470.3
12.5°	784.5	780.5	763.6	749.7	724.9	700.0	662.2	619.5	578.7	573.7	527.0
15°	905.8	899.9	887.9	866.0	839.2	798.4	758.7	715.9	662.2	653.3	598.6
17.5°	1030.1	1030.1	1015.2	989.3	952.6	916.8	873.0	819.3	751.7	750.7	678.1
20°	1186.2	1184.2	1161.4	1123.6	1086.8	1049.0	996.3	935.7	860.1	853.1	764.6
22.5°	1355.3	1353.3	1325.4	1284.7	1236.9	1183.2	1124.6	1060.9	978.4	969.5	866.0
25°	1538.2	1537.2	1508.4	1445.7	1385.1	1334.4	1273.7	1203.1	1107.7	1105.7	981.4
27.5°	1760.9	1750.0	1705.3	1628.7	1552.1	1486.5	1415.9	1352.3	1256.8	1241.9	1103.7
30°	1975.7	1969.7	1909.1	1826.6	1721.2	1634.7	1563.1	1514.3	1415.9	1402.0	1246.9
32.5°	2197.4	2193.5	2119.9	2024.4	1894.2	1786.8	1731.1	1678.4	1583.9	1578.0	1388.1
35°	2443.0	2427.1	2342.6	2211.4	2060.2	1939.9	1890.2	1866.3	1772.9	1751.0	1543.2
37.5°	2643.9	2632.0	2555.4	2395.3	2217.3	2088.1	2050.3	2034.4	1953.8	1944.9	1711.2
40°	2837.8	2828.8	2735.4	2562.4	2359.5	2230.3	2192.5	2219.3	2154.7	2140.8	1880.3
42.5°	2978.0	2966.0	2879.5	2695.6	2482.8	2346.6	2345.6	2407.2	2360.5	2345.6	2055.3
45°	3061.5	3049.6	2978.0	2801.0	2579.3	2448.0	2470.9	2579.3	2565.3	2547.4	2215.3
47.5°	3069.5	3062.5	3010.8	2846.7	2637.9	2527.6	2593.2	2748.3	2763.2	2746.3	2386.4
50°	2996.9	3003.8	2971.0	2840.8	2658.8	2579.3	2692.6	2908.4	2963.1	2943.2	2556.4
52.5°	2859.7	2851.7	2865.6	2773.1	2636.9	2597.2	2760.2	3042.6	3143.0	3123.1	2713.5
55°	2631.0	2636.9	2685.6	2650.8	2568.3	2576.3	2801.0	3149.0	3306.1	3290.2	2855.7
57.5°	2390.3	2376.4	2463.9	2469.9	2447.0	2520.6	2806.0	3229.5	3450.3	3433.4	2978.0
60°	2075.1	2108.9	2187.5	2255.1	2294.9	2428.1	2773.1	3271.3	3555.7	3550.7	3076.4
62.5°	1802.7	1809.7	1916.0	2018.5	2113.9	2297.9	2700.6	3270.3	3624.3	3618.3	3135.1
64°	1629.7	1652.6	1753.0	1877.3	1991.6	2204.4	2640.9	3242.5	3635.2	3630.3	3145.0
65°	1535.2	1532.2	1652.6	1777.8	1901.1	2133.8	2580.3	3212.6	3625.3	3625.3	3141.0
67.5°	1275.7	1285.7	1391.0	1535.2	1687.4	1946.9	2425.1	3106.2	3559.7	3566.6	3083.4
70°	1052.0	1066.9	1182.2	1310.5	1478.5	1758.9	2233.2	2914.3	3405.5	3415.5	2959.1
72.5°	868.0	884.9	969.5	1098.7	1284.7	1561.1	2016.5	2673.7	3187.8	3191.8	2751.3
75°	706.0	724.9	810.4	922.7	1083.8	1348.3	1779.8	2412.2	2870.6	2890.5	2482.8
77.5°	574.7	594.6	673.2	774.6	927.7	1153.4	1545.2	2109.9	2533.5	2545.5	2175.6
80°	464.3	485.2	554.8	650.3	783.5	982.4	1325.4	1800.7	2169.6	2169.6	1859.4
82.5°	376.8	394.7	457.4	539.9	661.2	829.3	1113.6	1496.4	1793.7	1794.7	1536.2
85°	304.3	315.2	376.8	449.4	549.9	695.0	920.7	1218.0	1446.7	1425.9	1237.9
87.5°	244.6	254.5	306.2	376.8	456.4	579.7	755.7	991.3	1137.5	1144.5	988.4
90°	196.9	202.8	250.6	310.2	383.8	479.3	614.5	788.5	894.9	885.9	774.6
92.5°	160.1	167.0	207.8	261.5	323.2	402.7	506.1	624.4	693.0	695.0	605.5
95°	131.2	135.2	173.0	220.7	276.4	337.1	412.6	497.2	543.9	537.9	471.3
97.5°	109.4	111.4	146.2	188.9	234.7	284.4	344.0	395.7	421.6	417.6	368.9
100°	92.5	94.5	124.3	164.1	202.8	242.6	284.4	319.2	328.1	323.2	290.3
102.5°	80.5	81.5	106.4	142.2	175.0	207.8	236.6	258.5	257.5	257.5	229.7
105°	70.6	71.6	92.5	124.3	154.1	180.0	199.9	210.8	206.8	204.8	183.9
107.5°	63.6	64.6	81.5	109.4	136.2	156.1	171.0	174.0	166.1	164.1	149.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	57.7	57.7	71.6	96.4	120.3	136.2	146.2	146.2	134.2	133.2	123.3
112.5°	52.7	53.7	64.6	85.5	106.4	120.3	126.3	121.3	110.4	109.4	104.4
115°	48.7	49.7	57.7	76.6	94.5	106.4	109.4	102.4	91.5	90.5	86.5
117.5°	45.7	46.7	52.7	67.6	84.5	93.5	94.5	87.5	76.6	75.6	74.6
120°	43.7	43.7	48.7	60.7	74.6	82.5	81.5	74.6	65.6	64.6	64.6
122.5°	41.8	41.8	44.7	53.7	65.6	72.6	71.6	63.6	55.7	55.7	55.7
125°	39.8	39.8	41.8	48.7	58.7	63.6	61.6	54.7	47.7	47.7	49.7
127.5°	37.8	37.8	38.8	42.8	51.7	54.7	52.7	45.7	41.8	41.8	42.8
130°	35.8	35.8	35.8	38.8	44.7	46.7	44.7	38.8	35.8	35.8	37.8
132.5°	33.8	33.8	33.8	33.8	37.8	39.8	36.8	31.8	30.8	31.8	32.8
135°	31.8	31.8	30.8	29.8	31.8	32.8	29.8	26.8	26.8	26.8	28.8
137.5°	29.8	28.8	27.8	26.8	25.9	25.9	23.9	20.9	22.9	22.9	24.9
140°	26.8	25.9	24.9	22.9	20.9	19.9	17.9	16.9	18.9	18.9	19.9
142.5°	23.9	22.9	21.9	18.9	15.9	13.9	11.9	12.9	14.9	14.9	15.9
145°	19.9	19.9	17.9	14.9	11.9	9.9	8.0	8.9	10.9	10.9	11.9
147.5°	16.9	15.9	14.9	11.9	8.0	6.0	4.0	6.0	8.0	8.0	8.9
150°	12.9	11.9	10.9	8.0	5.0	2.0	2.0	4.0	5.0	5.0	6.0
152.5°	8.9	8.9	8.0	5.0	2.0	0.0	1.0	2.0	3.0	3.0	4.0
155°	6.0	5.0	4.0	3.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
157.5°	3.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	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°	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8	377.8
2.5°	379.8	375.9	366.9	358.9	351.0	344.0	340.1	335.1	334.1	333.1	333.1
5°	393.7	384.8	366.9	350.0	334.1	321.2	311.2	301.3	296.3	294.3	293.3
7.5°	417.6	403.7	374.9	349.0	325.1	305.3	289.3	277.4	270.5	266.5	265.5
10°	450.4	430.5	390.8	355.0	323.2	297.3	277.4	263.5	254.5	250.6	249.6
12.5°	502.1	470.3	420.6	369.9	328.1	296.3	273.4	258.5	254.5	250.6	250.6
15°	560.8	529.0	460.4	397.7	344.0	302.3	282.4	272.4	266.5	263.5	262.5
17.5°	636.4	587.6	505.1	427.6	363.9	324.1	298.3	287.4	281.4	278.4	277.4
20°	713.9	656.2	554.8	460.4	390.8	350.0	319.2	302.3	296.3	293.3	292.3
22.5°	806.4	736.8	606.5	495.2	421.6	373.9	339.1	319.2	312.2	309.2	310.2
25°	900.9	826.3	662.2	532.0	450.4	393.7	358.0	335.1	330.1	326.1	326.1
27.5°	1016.2	916.8	718.9	573.7	475.3	411.6	374.9	352.0	343.0	343.0	342.0
30°	1137.5	1013.2	780.5	609.5	497.2	427.6	387.8	366.9	358.0	357.0	357.0
32.5°	1255.8	1116.6	841.2	645.3	514.1	438.5	399.7	379.8	368.9	367.9	368.9
35°	1394.0	1222.0	897.9	674.1	529.0	447.4	408.7	390.8	378.8	377.8	377.8
37.5°	1525.3	1330.4	952.6	697.0	538.9	453.4	415.6	399.7	386.8	385.8	384.8
40°	1662.5	1432.8	1002.3	715.9	543.9	457.4	419.6	405.7	393.7	389.8	389.8
42.5°	1801.7	1536.2	1044.0	726.8	546.9	458.4	422.6	409.7	398.7	391.8	391.8
45°	1932.0	1624.7	1078.8	732.8	546.9	459.4	424.6	412.6	402.7	393.7	392.8
47.5°	2075.1	1714.2	1105.7	733.8	543.9	457.4	425.6	415.6	404.7	394.7	393.7
50°	2200.4	1798.7	1122.6	730.8	539.9	456.4	426.6	416.6	407.7	395.7	395.7
52.5°	2310.8	1866.3	1130.5	722.9	534.9	454.4	426.6	418.6	410.7	397.7	396.7
55°	2408.2	1919.0	1129.5	710.9	527.0	451.4	425.6	418.6	412.6	398.7	398.7
57.5°	2491.8	1955.8	1120.6	697.0	519.0	449.4	425.6	419.6	414.6	401.7	401.7
60°	2548.4	1976.7	1102.7	680.1	511.1	445.5	424.6	420.6	417.6	404.7	405.7
62.5°	2575.3	1973.7	1074.9	662.2	502.1	441.5	422.6	419.6	418.6	408.7	408.7
64°	2573.3	1959.8	1056.0	649.3	496.2	439.5	421.6	418.6	419.6	410.7	410.7
65°	2560.4	1939.9	1036.1	639.3	491.2	437.5	419.6	417.6	419.6	410.7	410.7
67.5°	2497.7	1878.3	985.4	614.5	478.3	428.6	413.6	412.6	415.6	409.7	408.7
70°	2373.4	1780.8	930.7	582.7	462.4	418.6	404.7	403.7	407.7	402.7	400.7
72.5°	2204.4	1645.6	864.1	549.9	443.5	404.7	392.8	391.8	393.7	390.8	387.8
75°	1991.6	1486.5	789.5	513.1	422.6	386.8	375.9	373.9	376.8	372.9	370.9
77.5°	1755.0	1310.5	710.9	474.3	395.7	366.9	356.0	353.0	353.0	348.0	343.0
80°	1494.5	1130.5	632.4	434.5	367.9	342.0	333.1	329.1	326.1	318.2	313.2
82.5°	1247.9	961.5	551.8	393.7	338.1	315.2	306.2	301.3	294.3	284.4	277.4
85°	1015.2	800.4	478.3	350.0	308.2	286.4	279.4	270.5	261.5	250.6	241.6
87.5°	815.3	655.3	412.6	311.2	274.4	257.5	249.6	237.6	228.7	216.8	208.8
90°	647.3	536.9	353.0	273.4	244.6	229.7	222.7	210.8	197.9	184.9	178.0
92.5°	522.0	437.5	304.3	241.6	218.7	205.8	196.9	184.9	170.0	157.1	152.1
95°	414.6	354.0	259.5	213.8	193.9	182.0	173.0	162.1	146.2	131.2	127.3
97.5°	328.1	291.3	221.7	187.9	172.0	162.1	152.1	142.2	126.3	111.4	109.4
100°	263.5	236.6	189.9	166.1	152.1	143.2	135.2	124.3	109.4	93.5	93.5
102.5°	212.8	195.9	163.1	146.2	135.2	127.3	119.3	109.4	94.5	80.5	79.5
105°	174.0	162.1	140.2	129.3	120.3	114.3	106.4	95.5	81.5	68.6	67.6
107.5°	145.2	134.2	121.3	114.3	107.4	101.4	95.5	84.5	70.6	59.7	59.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	119.3	115.3	105.4	100.4	96.4	90.5	84.5	73.6	60.7	52.7	52.7
112.5°	101.4	97.4	92.5	89.5	85.5	81.5	74.6	64.6	52.7	46.7	46.7
115°	85.5	83.5	80.5	78.6	76.6	72.6	65.6	55.7	44.7	40.8	41.8
117.5°	74.6	73.6	71.6	70.6	68.6	63.6	57.7	48.7	38.8	36.8	36.8
120°	64.6	64.6	62.6	62.6	60.7	56.7	49.7	41.8	33.8	32.8	32.8
122.5°	56.7	56.7	55.7	55.7	53.7	49.7	43.7	35.8	28.8	28.8	29.8
125°	49.7	49.7	48.7	48.7	47.7	43.7	37.8	30.8	25.9	25.9	25.9
127.5°	43.7	43.7	43.7	42.8	40.8	37.8	31.8	25.9	22.9	22.9	22.9
130°	38.8	38.8	37.8	37.8	35.8	31.8	26.8	21.9	18.9	20.9	20.9
132.5°	33.8	33.8	33.8	31.8	29.8	26.8	21.9	17.9	16.9	17.9	17.9
135°	28.8	29.8	28.8	27.8	25.9	21.9	17.9	14.9	14.9	15.9	15.9
137.5°	24.9	24.9	24.9	22.9	20.9	17.9	13.9	11.9	12.9	13.9	13.9
140°	20.9	20.9	19.9	18.9	16.9	13.9	10.9	8.9	10.9	11.9	11.9
142.5°	16.9	16.9	15.9	14.9	11.9	9.9	7.0	7.0	8.9	9.9	9.9
145°	12.9	12.9	11.9	10.9	8.9	6.0	5.0	6.0	8.0	8.0	8.0
147.5°	8.9	8.9	8.9	7.0	5.0	3.0	2.0	4.0	6.0	6.0	7.0
150°	6.0	6.0	6.0	5.0	3.0	1.0	1.0	3.0	4.0	5.0	5.0
152.5°	4.0	4.0	4.0	3.0	2.0	0.0	0.0	2.0	3.0	3.0	3.0
155°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	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)