

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: P416706

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416706  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7689 lumens  
Efficiency: N/A  
Efficacy: 92.6 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

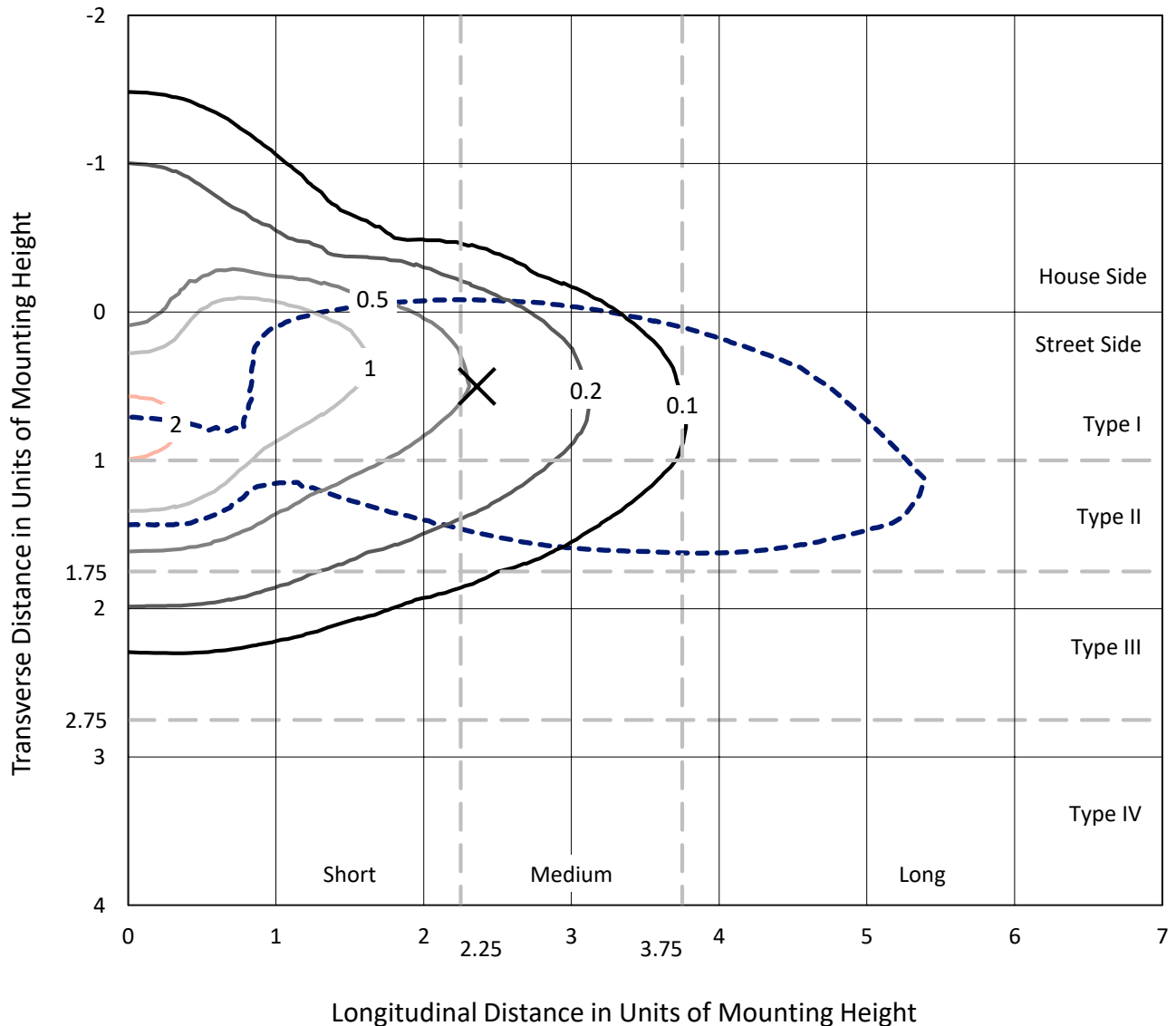
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

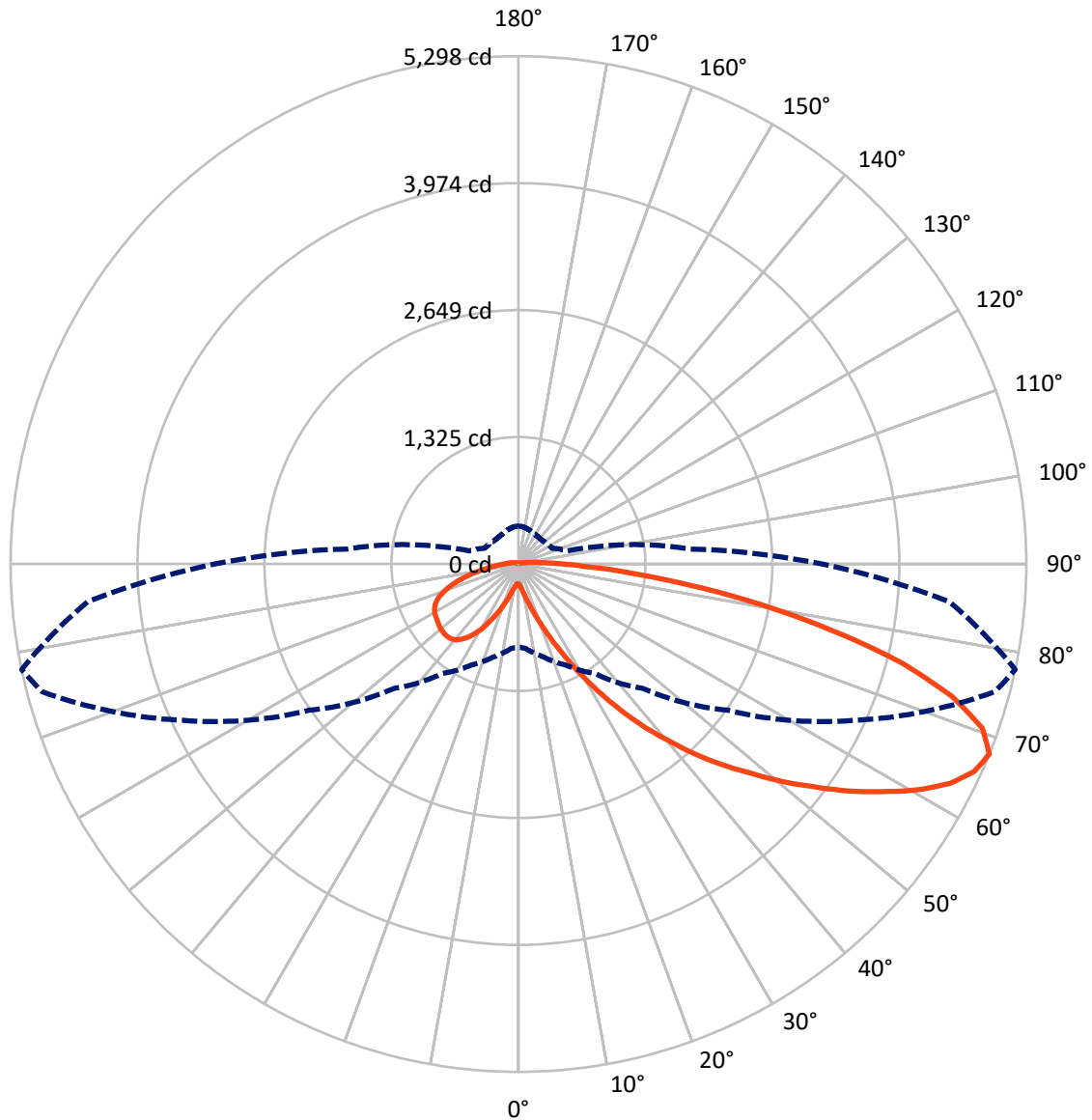


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1461.0	118.6	1579.6
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	5989.1	120.2	6109.4
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	7450.1	238.9	7689.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	0.3
10°-20°	119.4	1.6
20°-30°	364.0	4.7
30°-40°	814.3	10.6
40°-50°	1341.7	17.5
50°-60°	1651.4	21.5
60°-70°	1601.7	20.8
70°-80°	1109.2	14.4
80°-90°	424.6	5.5
90°-100°	121.8	1.6
100°-110°	52.8	0.7
110°-120°	28.5	0.4
120°-130°	17.6	0.2
130°-140°	10.9	0.1
140°-150°	5.3	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7450.1	96.9
0°-180°	7689.0	100.0

**Coefficient of Utilization**



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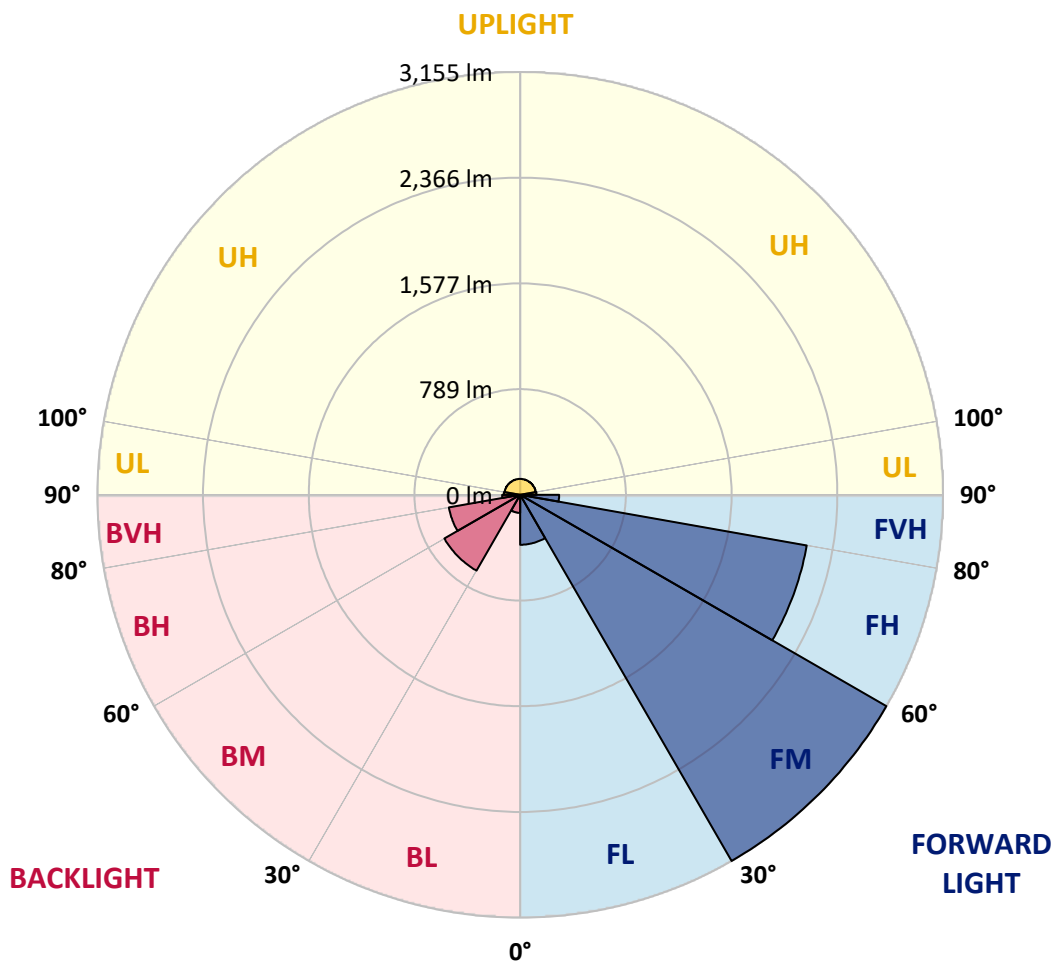
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.7	4.8			
FM (30°-60°)	3154.8	41.0			
FH (60°-80°)	2171.0	28.2			G2/5000
FVH (80°-90°)	290.6	3.8			G3/500
BL (0°-30°)	134.6	1.7	B1/500		
BM (30°-60°)	652.6	8.5	B1/1000		
BH (60°-80°)	539.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	134.0	1.7			G2/225
UL (90°-100°)	121.8	1.6		U3/500	
UH (100°-180°)	118.6	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	249.5	247.7	247.7	246.8	243.1	239.5	234.0	227.7	222.2	218.6	214.9
5°	303.2	296.9	298.7	293.2	286.9	279.6	269.6	255.9	243.1	240.4	230.4
7.5°	367.9	359.7	362.4	356.1	344.2	328.7	315.1	295.1	275.9	269.6	255.0
10°	449.9	441.7	437.1	428.0	414.3	394.3	373.4	347.0	320.6	311.4	293.2
12.5°	547.3	540.9	534.6	521.8	499.9	474.5	448.0	418.9	384.3	372.5	344.2
15°	668.4	663.0	649.3	632.0	600.1	571.9	531.8	505.4	462.6	448.0	413.4
17.5°	804.1	793.2	779.5	754.0	717.6	682.1	648.4	603.8	557.3	545.5	502.7
20°	971.7	968.0	941.6	898.8	858.7	810.5	777.7	734.0	682.1	665.7	609.2
22.5°	1170.2	1162.9	1131.9	1067.3	1007.2	945.3	918.8	873.3	836.0	813.2	739.5
25°	1408.8	1395.1	1344.1	1266.7	1181.1	1107.4	1063.6	1047.3	1018.1	983.5	893.4
27.5°	1662.9	1663.8	1593.6	1478.9	1359.6	1271.3	1237.6	1244.0	1208.4	1189.3	1079.1
30°	1977.0	1954.3	1862.3	1721.1	1560.0	1446.1	1426.1	1458.0	1447.9	1410.6	1280.4
32.5°	2291.2	2283.0	2169.2	1976.1	1764.8	1640.1	1625.5	1694.7	1692.0	1654.7	1488.9
35°	2604.5	2595.4	2454.2	2229.3	1978.9	1835.9	1823.1	1914.2	1947.0	1909.6	1723.9
37.5°	2919.6	2898.6	2756.5	2483.4	2181.9	2015.3	2020.7	2135.5	2212.0	2178.3	1950.6
40°	3197.3	3193.7	3027.9	2717.4	2377.7	2197.4	2233.8	2385.0	2478.8	2432.4	2181.0
42.5°	3410.4	3394.9	3248.3	2911.4	2553.5	2367.7	2430.5	2630.9	2751.1	2719.2	2407.8
45°	3508.7	3499.6	3382.2	3058.0	2690.1	2515.2	2614.5	2858.5	3022.5	2987.9	2640.9
47.5°	3482.3	3474.1	3410.4	3129.9	2780.2	2641.8	2776.6	3079.8	3307.5	3261.1	2873.1
50°	3323.9	3332.1	3312.0	3109.0	2812.1	2722.9	2930.5	3301.1	3586.2	3564.3	3097.1
52.5°	3034.3	3058.0	3089.8	2999.7	2783.0	2759.3	3041.6	3493.3	3863.0	3862.1	3345.7
55°	2658.2	2674.6	2785.7	2769.3	2671.9	2758.4	3123.5	3682.7	4174.4	4179.0	3602.5
57.5°	2259.3	2251.1	2398.7	2484.3	2509.8	2688.3	3163.6	3850.2	4449.5	4481.3	3873.9
60°	1823.1	1853.2	1991.6	2166.4	2262.1	2549.8	3150.0	3968.6	4714.5	4784.6	4120.7
62.5°	1481.6	1468.0	1620.1	1810.4	2004.3	2351.3	3050.7	4024.2	4966.7	5045.0	4348.4
65°	1119.2	1147.4	1284.9	1453.4	1683.8	2100.9	2890.4	3995.0	5122.4	5222.6	4491.3
67.5°	863.3	885.2	1002.6	1161.1	1396.0	1835.0	2659.1	3859.4	5146.1	5298.2	4511.4
70°	667.5	684.8	767.7	902.5	1126.5	1541.7	2334.0	3600.7	5016.8	5135.2	4327.4
72.5°	531.8	539.1	597.4	706.7	889.7	1257.6	1980.7	3194.6	4626.1	4731.8	3950.4
75°	418.0	428.9	476.3	558.2	694.8	1005.4	1619.1	2699.2	4031.5	4140.7	3430.4
77.5°	332.4	343.3	378.8	436.2	539.1	775.0	1264.9	2199.2	3291.1	3358.5	2732.9
80°	264.1	269.6	299.6	342.4	418.9	597.4	952.5	1669.2	2492.5	2562.6	2030.8
82.5°	200.3	204.9	234.9	272.3	326.9	452.6	688.5	1173.8	1755.7	1774.9	1378.7
85°	143.9	152.1	176.7	207.6	250.4	336.9	493.6	796.8	1120.1	1149.2	873.3
87.5°	102.0	105.6	130.2	159.4	191.2	249.5	343.3	524.5	689.4	681.2	530.0
90°	69.2	71.9	93.8	117.5	145.7	186.7	239.5	329.7	423.5	409.8	332.4
92.5°	46.4	51.0	69.2	89.2	113.8	143.9	170.3	215.8	262.3	249.5	211.3
95°	34.6	36.4	52.8	71.0	91.1	110.2	126.6	147.5	167.6	163.9	145.7
97.5°	27.3	29.1	42.8	58.3	73.8	89.2	98.4	105.6	116.6	115.7	104.7
100°	23.7	24.6	36.4	50.1	63.7	74.7	80.1	82.0	85.6	83.8	80.1
102.5°	20.0	21.9	31.9	43.7	55.5	63.7	67.4	65.6	64.7	62.8	59.2
105°	18.2	19.1	28.2	39.2	49.2	55.5	56.5	53.7	49.2	48.3	46.4
107.5°	17.3	18.2	25.5	35.5	43.7	49.2	48.3	44.6	39.2	37.3	36.4
110°	16.4	17.3	23.7	31.9	40.1	43.7	42.8	37.3	31.0	29.1	30.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	16.4	16.4	21.9	29.1	36.4	39.2	37.3	31.9	25.5	24.6	25.5
115°	15.5	16.4	20.9	27.3	32.8	35.5	32.8	27.3	21.9	20.9	21.9
117.5°	15.5	16.4	20.0	25.5	31.0	31.9	29.1	23.7	18.2	18.2	20.0
120°	15.5	16.4	19.1	23.7	28.2	29.1	26.4	20.9	16.4	16.4	18.2
122.5°	16.4	16.4	18.2	22.8	26.4	27.3	23.7	18.2	15.5	15.5	17.3
125°	16.4	16.4	18.2	20.9	24.6	24.6	21.9	16.4	13.7	13.7	16.4
127.5°	16.4	16.4	18.2	20.0	22.8	22.8	20.0	15.5	12.7	12.7	15.5
130°	16.4	17.3	17.3	19.1	20.9	20.9	18.2	13.7	12.7	12.7	14.6
132.5°	17.3	17.3	17.3	18.2	20.0	19.1	15.5	12.7	11.8	11.8	13.7
135°	16.4	16.4	16.4	17.3	18.2	17.3	13.7	10.9	10.9	11.8	12.7
137.5°	16.4	16.4	16.4	15.5	16.4	15.5	12.7	10.0	10.0	10.9	11.8
140°	14.6	15.5	14.6	14.6	14.6	13.7	10.9	8.2	9.1	10.0	10.0
142.5°	13.7	13.7	13.7	12.7	12.7	11.8	9.1	7.3	8.2	8.2	9.1
145°	12.7	12.7	11.8	10.9	10.9	9.1	7.3	6.4	7.3	7.3	8.2
147.5°	10.9	10.9	10.9	9.1	8.2	7.3	4.6	4.6	5.5	6.4	6.4
150°	9.1	9.1	9.1	8.2	6.4	5.5	3.6	4.6	4.6	4.6	5.5
152.5°	7.3	7.3	7.3	6.4	5.5	3.6	2.7	3.6	3.6	3.6	4.6
155°	4.6	4.6	4.6	4.6	3.6	1.8	2.7	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	212.2	209.5	204.9	200.3	195.8	191.2	187.6	186.7	184.0	184.0	183.0
5°	224.9	220.4	208.5	199.4	189.4	181.2	174.8	172.1	169.4	167.6	167.6
7.5°	247.7	237.7	220.4	204.9	191.2	179.4	171.2	166.6	163.0	161.2	161.2
10°	278.7	265.9	239.5	216.7	196.7	182.1	173.0	167.6	164.8	163.0	162.1
12.5°	324.2	306.0	267.7	234.9	209.5	191.2	179.4	175.8	176.7	176.7	176.7
15°	386.1	359.7	307.8	263.2	226.8	203.1	194.9	194.9	197.6	198.5	196.7
17.5°	466.3	430.7	357.9	291.4	248.6	224.0	214.9	214.9	219.5	222.2	222.2
20°	564.6	513.6	410.7	328.7	274.1	247.7	236.8	237.7	243.1	246.8	246.8
22.5°	677.5	617.4	478.1	367.0	302.3	268.6	256.8	257.7	266.8	271.4	273.2
25°	824.1	731.3	545.5	406.2	328.7	288.7	276.8	277.7	289.6	296.0	296.0
27.5°	979.0	857.8	613.8	444.4	351.5	306.9	295.1	297.8	310.5	316.0	317.8
30°	1143.8	992.6	682.1	477.2	369.7	320.6	308.7	314.2	326.0	334.2	335.1
32.5°	1326.8	1124.7	736.7	503.6	385.2	332.4	320.6	328.7	338.8	347.9	348.8
35°	1518.1	1255.8	785.0	521.8	395.2	342.4	329.7	337.9	347.9	356.1	355.2
37.5°	1689.3	1363.2	816.9	529.1	400.7	347.9	336.0	344.2	353.3	359.7	359.7
40°	1857.7	1475.3	832.3	523.6	400.7	350.6	338.8	347.9	356.1	359.7	359.7
42.5°	2018.0	1558.1	829.6	512.7	398.9	351.5	340.6	348.8	356.1	357.9	357.9
45°	2156.4	1634.6	813.2	494.5	392.5	350.6	341.5	348.8	354.2	354.2	355.2
47.5°	2320.3	1694.7	789.5	475.4	385.2	348.8	339.7	347.9	352.4	352.4	351.5
50°	2467.9	1753.0	757.7	454.4	378.8	347.0	338.8	347.0	352.4	350.6	350.6
52.5°	2624.5	1804.9	724.9	435.3	372.5	346.0	338.8	347.0	352.4	351.5	352.4
55°	2769.3	1856.8	683.9	418.0	368.8	345.1	339.7	347.9	355.2	355.2	354.2
57.5°	2955.1	1884.1	652.0	406.2	365.2	345.1	340.6	349.7	358.8	359.7	360.6
60°	3086.2	1919.7	625.6	398.9	365.2	347.0	343.3	352.4	364.3	368.8	371.5
62.5°	3181.8	1917.8	593.7	395.2	366.1	348.8	346.0	355.2	370.6	377.0	380.7
65°	3231.9	1885.1	561.0	392.5	367.0	350.6	347.9	357.0	375.2	387.0	390.7
67.5°	3166.3	1796.7	527.3	387.9	366.1	349.7	348.8	358.8	377.9	393.4	395.2
70°	3007.0	1647.4	487.2	377.9	362.4	347.0	346.0	354.2	375.2	393.4	395.2
72.5°	2704.6	1458.0	440.8	363.4	354.2	340.6	337.9	346.0	366.1	384.3	384.3
75°	2300.3	1238.5	395.2	342.4	337.9	329.7	326.9	331.5	348.8	366.1	367.0
77.5°	1801.3	986.2	347.0	313.3	317.8	311.4	308.7	311.4	326.9	338.8	339.7
80°	1370.5	751.3	300.5	278.7	289.6	287.8	285.0	284.1	295.1	304.2	301.4
82.5°	945.3	534.6	248.6	242.2	254.1	256.8	255.9	249.5	257.7	265.0	260.4
85°	610.1	377.9	207.6	204.9	215.8	220.4	219.5	214.9	216.7	224.9	215.8
87.5°	394.3	271.4	171.2	169.4	178.5	184.0	184.0	174.8	178.5	186.7	176.7
90°	246.8	192.1	143.0	142.1	148.4	151.2	147.5	142.1	143.9	148.4	144.8
92.5°	174.8	144.8	119.3	119.3	121.1	122.9	121.1	114.7	118.4	118.4	118.4
95°	127.5	114.7	103.8	102.0	101.1	100.2	99.3	94.7	98.4	97.4	94.7
97.5°	97.4	92.0	88.3	87.4	85.6	84.7	83.8	80.1	82.9	81.0	79.2
100°	76.5	75.6	75.6	75.6	73.8	71.0	71.0	70.1	70.1	67.4	67.4
102.5°	61.0	61.0	64.7	65.6	63.7	61.9	61.9	61.0	60.1	56.5	55.5
105°	48.3	50.1	55.5	56.5	55.5	53.7	52.8	52.8	51.0	46.4	46.4
107.5°	39.2	41.0	47.4	49.2	48.3	47.4	46.4	45.5	43.7	39.2	39.2
110°	31.9	34.6	40.1	42.8	41.9	41.0	41.0	39.2	37.3	33.7	33.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	30.1	34.6	37.3	37.3	36.4	35.5	34.6	31.9	29.1	29.1
115°	23.7	26.4	31.0	32.8	32.8	31.9	31.0	30.1	27.3	25.5	26.4
117.5°	21.9	23.7	27.3	29.1	29.1	28.2	27.3	26.4	24.6	23.7	23.7
120°	20.0	21.9	24.6	26.4	26.4	25.5	24.6	23.7	21.9	21.9	21.9
122.5°	18.2	20.0	22.8	23.7	23.7	22.8	21.9	20.9	19.1	20.0	20.0
125°	17.3	18.2	20.0	21.9	21.9	20.9	20.0	18.2	17.3	18.2	18.2
127.5°	16.4	17.3	19.1	20.0	20.0	19.1	17.3	16.4	15.5	16.4	16.4
130°	15.5	16.4	17.3	18.2	18.2	16.4	15.5	14.6	14.6	15.5	15.5
132.5°	14.6	15.5	15.5	16.4	16.4	15.5	13.7	12.7	12.7	13.7	13.7
135°	13.7	13.7	14.6	14.6	14.6	13.7	11.8	10.9	11.8	12.7	12.7
137.5°	11.8	12.7	12.7	13.7	12.7	11.8	10.0	10.0	10.9	10.9	10.9
140°	10.9	10.9	11.8	11.8	10.9	10.0	9.1	8.2	9.1	10.0	10.0
142.5°	10.0	10.0	10.0	10.0	10.0	8.2	7.3	7.3	8.2	8.2	8.2
145°	8.2	8.2	9.1	8.2	8.2	6.4	5.5	6.4	7.3	7.3	7.3
147.5°	6.4	7.3	7.3	7.3	6.4	4.6	3.6	5.5	6.4	6.4	6.4
150°	5.5	5.5	5.5	5.5	5.5	3.6	2.7	4.6	5.5	5.5	5.5
152.5°	4.6	4.6	5.5	5.5	4.6	2.7	1.8	3.6	4.6	4.6	3.6
155°	3.6	3.6	4.6	4.6	3.6	1.8	1.8	2.7	3.6	3.6	2.7
157.5°	2.7	3.6	3.6	3.6	2.7	1.8	0.9	1.8	2.7	2.7	2.7
160°	2.7	2.7	2.7	3.6	2.7	1.8	0.9	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)