

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: P417109

Luminaire Tested: **LXF.LXT-PA1-90-730-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-730-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8167 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G4

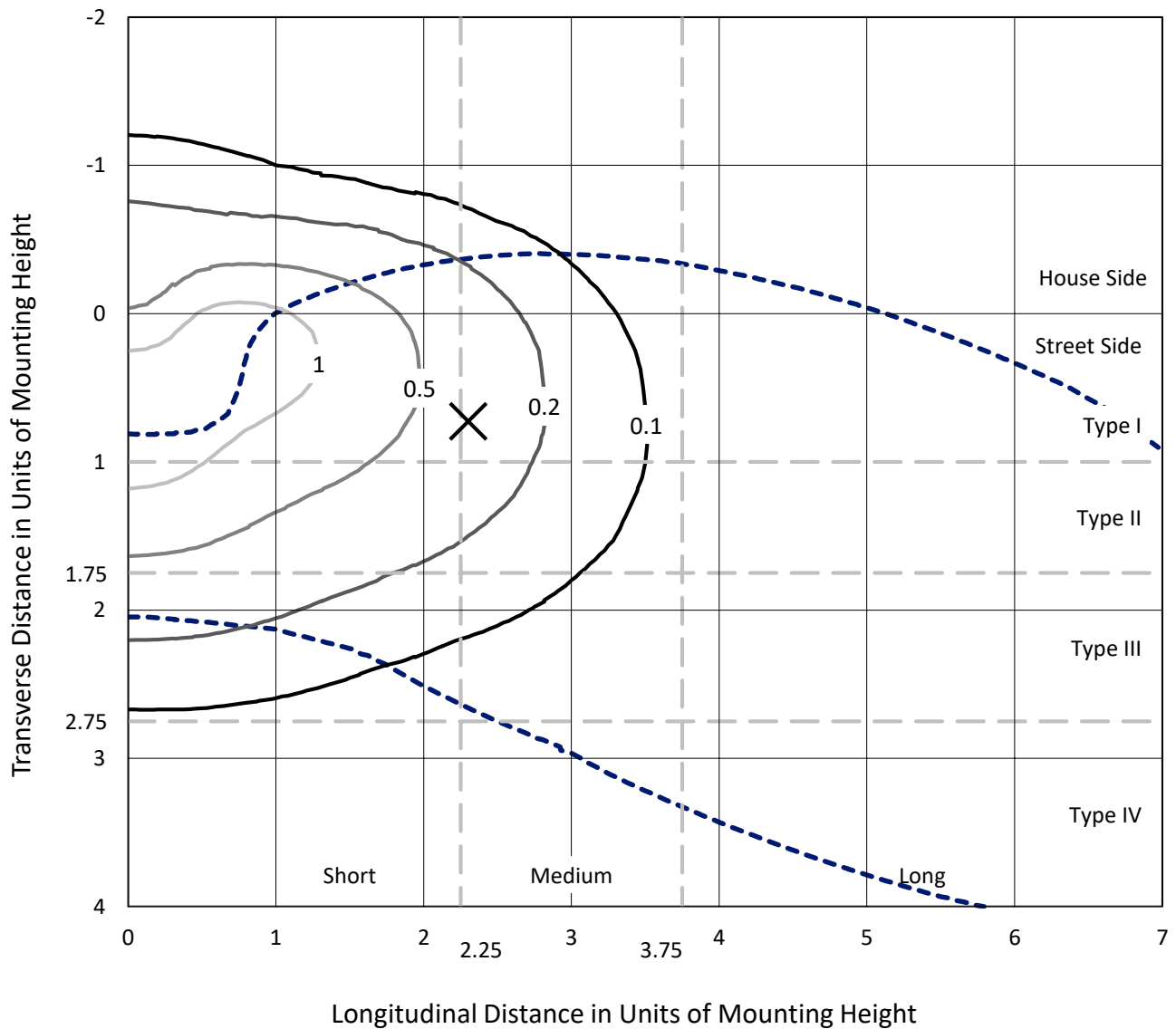
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

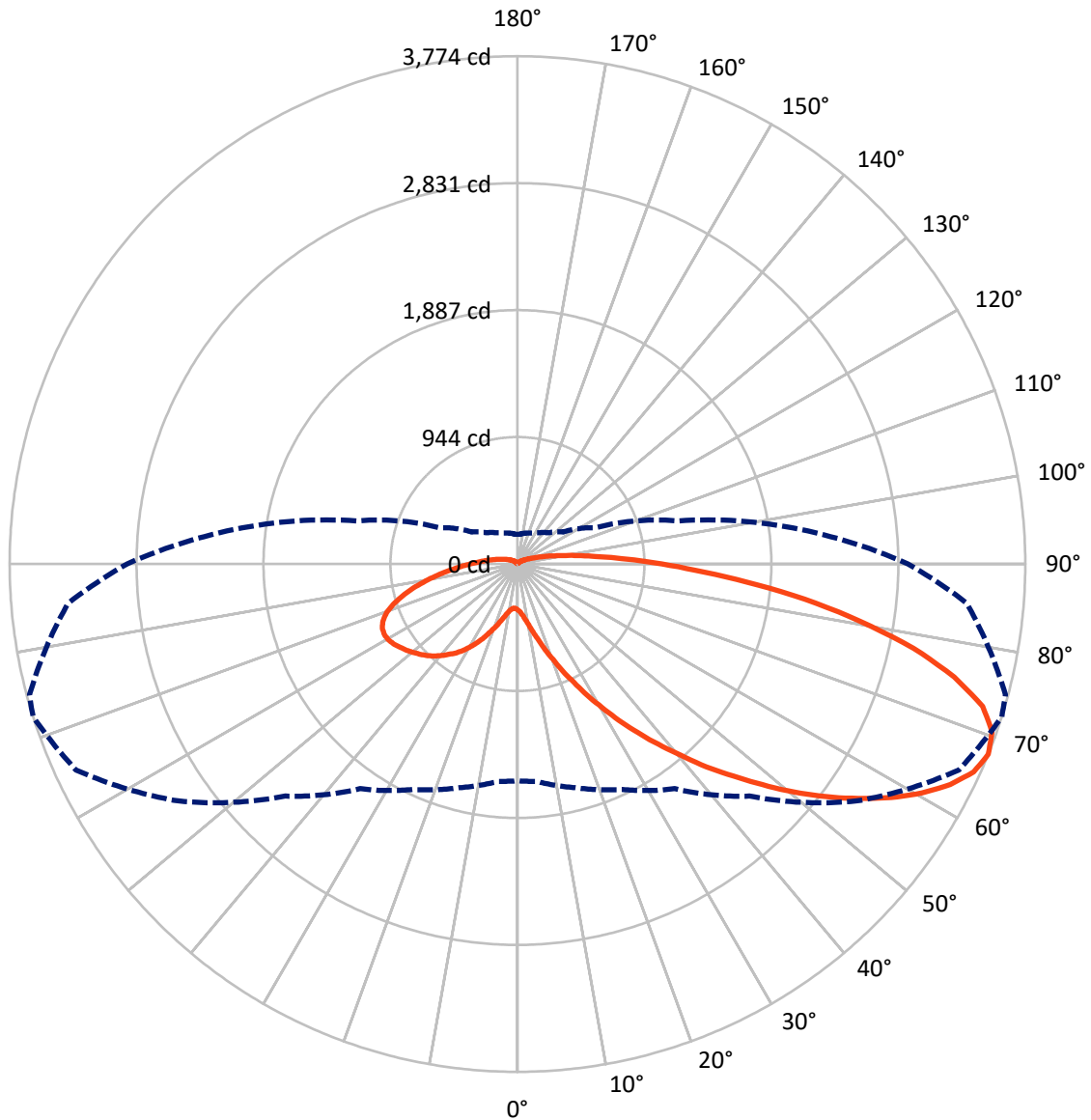
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1658.5	235.9	1894.4
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5815.3	457.4	6272.6
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	7473.7	693.3	8167.0
	% Fixture	91.5	8.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	0.4
10°-20°	139.3	1.7
20°-30°	336.5	4.1
30°-40°	641.3	7.9
40°-50°	1032.3	12.6
50°-60°	1428.3	17.5
60°-70°	1641.1	20.1
70°-80°	1408.6	17.2
80°-90°	811.0	9.9
90°-100°	366.6	4.5
100°-110°	168.5	2.1
110°-120°	84.7	1.0
120°-130°	43.9	0.5
130°-140°	20.9	0.3
140°-150°	7.2	0.1
150°-160°	1.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7473.7	91.5
0°-180°	8167.0	100.0

**Coefficient of Utilization**



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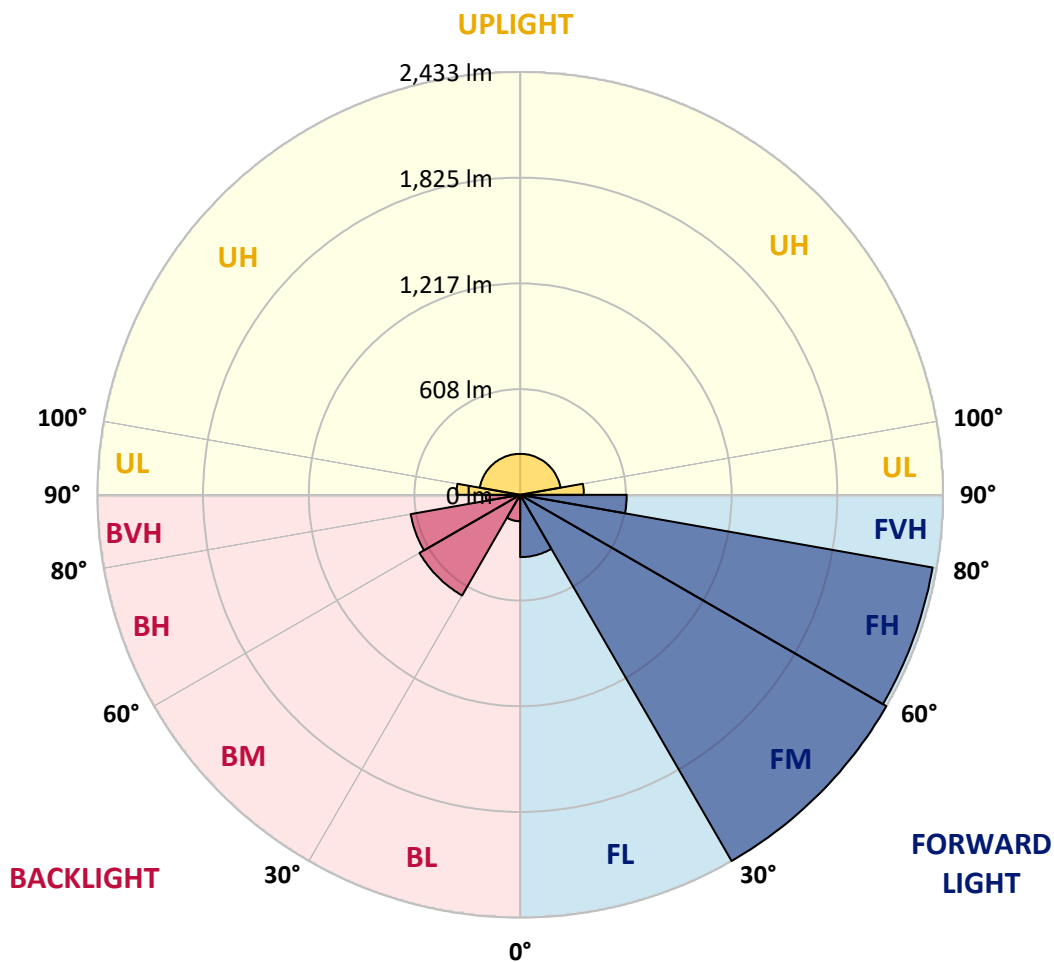
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.7	4.4			
FM	(30°-60°)	2433.3	29.8			
FH	(60°-80°)	2410.2	29.5			G2/5000
FVH	(80°-90°)	613.1	7.5			G4/750
BL	(0°-30°)	152.3	1.9	B1/500		
BM	(30°-60°)	668.7	8.2	B1/1000		
BH	(60°-80°)	639.5	7.8	B2/1000		G2/1000
BVH	(80°-90°)	197.9	2.4			G2/225
UL	(90°-100°)	366.6	4.5		U3/500	
UH	(100°-180°)	235.9	2.9		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7
2.5°	381.9	381.0	381.9	379.0	376.0	370.2	366.2	358.4	354.4	352.5	344.6
5°	435.9	435.0	434.0	430.1	420.2	413.4	401.6	387.8	379.0	375.1	362.3
7.5°	494.9	492.9	490.9	482.1	475.2	463.4	445.8	428.1	413.4	410.4	386.8
10°	561.6	559.7	555.7	548.9	536.1	519.4	503.7	478.2	459.5	450.7	425.1
12.5°	630.3	634.3	629.4	615.6	600.9	585.2	562.6	538.1	518.4	511.5	472.3
15°	713.8	716.8	711.8	696.1	680.4	656.9	639.2	613.7	587.1	583.2	540.0
17.5°	806.1	805.1	795.3	780.6	766.8	748.2	722.6	699.1	669.6	662.7	609.7
20°	906.2	902.3	893.5	868.9	856.2	834.6	818.9	786.5	758.0	748.2	695.2
22.5°	1006.4	1004.4	996.6	974.0	958.3	939.6	916.1	886.6	867.0	847.3	788.4
25°	1132.1	1120.3	1110.5	1070.2	1055.5	1037.8	1017.2	992.7	974.0	963.2	895.4
27.5°	1257.8	1248.9	1226.3	1196.9	1168.4	1139.9	1131.1	1109.5	1103.6	1094.8	1018.2
30°	1382.4	1378.5	1354.0	1316.7	1275.4	1247.9	1243.0	1245.0	1236.2	1225.3	1143.9
32.5°	1523.8	1515.0	1487.5	1437.4	1394.2	1361.8	1361.8	1375.6	1383.4	1372.6	1286.2
35°	1662.3	1654.4	1620.1	1558.2	1510.1	1470.8	1486.5	1518.9	1537.6	1537.6	1430.6
37.5°	1808.6	1790.9	1755.5	1690.7	1625.9	1597.5	1615.1	1671.1	1698.6	1698.6	1590.6
40°	1936.2	1935.2	1887.1	1809.6	1745.7	1703.5	1757.5	1832.1	1868.5	1865.5	1751.6
42.5°	2063.9	2062.9	2016.7	1931.3	1850.8	1829.2	1896.9	2002.0	2060.9	2060.9	1914.6
45°	2178.7	2170.9	2131.6	2037.3	1962.7	1952.9	2053.1	2186.6	2247.5	2257.3	2091.3
47.5°	2263.2	2256.3	2221.9	2130.6	2059.9	2077.6	2198.4	2368.2	2450.7	2449.7	2272.0
50°	2320.1	2313.2	2283.8	2205.2	2144.4	2188.5	2356.4	2560.7	2663.8	2671.6	2450.7
52.5°	2336.8	2332.9	2317.2	2252.4	2213.1	2288.7	2504.7	2757.0	2873.9	2880.8	2646.1
55°	2308.3	2308.3	2307.3	2268.1	2252.4	2378.0	2657.9	2948.5	3075.2	3087.9	2838.5
57.5°	2241.6	2244.5	2262.2	2249.4	2273.0	2449.7	2787.5	3121.3	3274.5	3282.3	3010.4
60°	2140.4	2134.5	2173.8	2197.4	2261.2	2494.9	2902.4	3295.1	3455.1	3458.1	3161.6
62.5°	1987.3	1990.2	2047.2	2109.0	2219.0	2513.5	3003.5	3447.3	3609.3	3616.2	3279.4
65°	1806.6	1813.5	1891.0	1995.1	2146.3	2493.9	3061.4	3564.1	3726.1	3717.3	3347.1
67.5°	1611.2	1621.0	1722.2	1848.8	2038.3	2438.9	3071.2	3620.1	3774.2	3754.6	3353.0
70°	1397.2	1422.7	1523.8	1688.8	1898.9	2333.9	3014.3	3610.3	3741.8	3723.2	3265.6
72.5°	1202.8	1221.4	1332.4	1504.2	1742.8	2181.7	2893.5	3497.4	3615.2	3577.9	3083.0
75°	1009.3	1037.8	1142.9	1326.5	1573.9	1993.2	2688.3	3279.4	3352.0	3311.8	2811.0
77.5°	844.4	869.9	974.0	1150.7	1388.3	1795.8	2419.3	2948.5	3008.4	2967.2	2467.4
80°	688.3	716.8	817.9	991.7	1214.5	1564.1	2111.0	2561.6	2584.2	2519.4	2088.4
82.5°	575.4	590.1	684.4	837.5	1042.7	1349.1	1794.8	2149.3	2150.3	2072.7	1696.6
85°	470.3	479.1	565.5	704.0	879.7	1139.9	1473.8	1731.0	1711.4	1669.1	1307.8
87.5°	381.0	389.8	467.4	592.1	740.3	951.4	1202.8	1362.8	1316.7	1283.3	1015.2
90°	312.2	322.0	385.9	493.9	621.5	785.5	957.3	1053.5	1012.3	986.8	782.5
92.5°	255.3	265.1	321.1	413.4	526.3	643.1	760.9	806.1	777.6	748.2	590.1
95°	216.0	218.0	268.0	345.6	435.0	519.4	596.0	622.5	583.2	572.4	456.6
97.5°	177.7	183.6	222.9	291.6	363.3	433.0	472.3	486.0	450.7	427.1	349.5
100°	151.2	154.2	188.5	243.5	302.4	352.5	382.9	376.0	344.6	330.9	265.1
102.5°	129.6	132.5	160.0	211.1	257.2	293.6	308.3	297.5	268.0	259.2	208.2
105°	113.9	114.9	137.5	178.7	218.0	248.4	254.3	237.6	209.1	197.4	164.0
107.5°	101.1	102.1	119.8	155.1	188.5	209.1	211.1	192.4	165.0	156.1	131.6
110°	90.3	92.3	105.1	134.5	163.0	178.7	176.7	157.1	131.6	123.7	108.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	81.5	83.5	93.3	117.8	141.4	155.1	150.2	126.7	105.1	100.1	89.3
115°	74.6	76.6	84.4	104.1	124.7	134.5	126.7	105.1	86.4	80.5	74.6
117.5°	69.7	70.7	76.6	92.3	108.0	115.9	107.0	87.4	70.7	66.8	63.8
120°	64.8	65.8	70.7	81.5	95.2	99.2	90.3	71.7	58.9	56.9	56.0
122.5°	60.9	60.9	64.8	72.7	82.5	85.4	76.6	59.9	50.1	48.1	49.1
125°	56.9	56.9	58.9	64.8	71.7	73.6	63.8	50.1	42.2	41.2	43.2
127.5°	53.0	53.0	54.0	57.9	61.9	61.9	53.0	41.2	36.3	35.3	38.3
130°	49.1	49.1	49.1	51.1	53.0	52.0	43.2	34.4	31.4	31.4	33.4
132.5°	45.2	45.2	45.2	45.2	44.2	42.2	35.3	27.5	27.5	27.5	29.5
135°	40.3	40.3	40.3	39.3	37.3	34.4	27.5	22.6	22.6	23.6	25.5
137.5°	36.3	36.3	35.3	33.4	30.4	26.5	21.6	17.7	19.6	19.6	21.6
140°	31.4	31.4	30.4	27.5	23.6	19.6	15.7	14.7	15.7	16.7	18.7
142.5°	26.5	26.5	25.5	22.6	18.7	13.7	10.8	10.8	12.8	12.8	14.7
145°	21.6	21.6	20.6	17.7	12.8	8.8	6.9	7.9	9.8	9.8	10.8
147.5°	16.7	16.7	15.7	12.8	8.8	5.9	3.9	5.9	6.9	6.9	7.9
150°	11.8	11.8	10.8	8.8	5.9	2.9	2.0	2.9	3.9	4.9	4.9
152.5°	7.9	7.9	6.9	5.9	2.9	1.0	2.0	2.9	2.9	2.9	3.9
155°	4.9	3.9	3.9	2.9	1.0	0.0	1.0	2.0	2.0	2.0	2.9
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	2.0	2.0
160°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
162.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
165°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
167.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
170°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
175°	0.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7
2.5°	342.7	338.7	332.8	327.0	321.1	317.1	313.2	311.2	308.3	305.4	305.4
5°	354.4	346.6	332.8	319.1	306.3	295.5	284.7	278.8	274.9	271.0	272.0
7.5°	376.0	364.3	341.7	319.1	298.5	280.8	266.1	254.3	246.4	241.5	242.5
10°	406.5	393.7	359.4	327.0	297.5	272.0	251.4	234.7	224.8	219.9	219.9
12.5°	454.6	433.0	387.8	341.7	302.4	268.0	241.5	221.9	208.2	202.3	201.3
15°	512.5	482.1	427.1	370.2	314.2	268.0	233.7	219.9	211.1	207.2	206.2
17.5°	581.3	547.9	472.3	396.7	329.9	273.9	244.5	227.8	218.0	214.0	213.1
20°	655.9	616.6	521.4	430.1	345.6	291.6	255.3	234.7	223.9	219.9	219.9
22.5°	747.2	695.2	574.4	459.5	365.2	306.3	266.1	240.6	230.7	226.8	225.8
25°	841.4	782.5	637.2	490.9	386.8	318.1	273.9	246.4	236.6	232.7	233.7
27.5°	952.4	876.8	699.1	522.3	405.5	325.0	277.9	251.4	241.5	238.6	239.6
30°	1068.3	973.0	754.1	554.7	418.3	329.9	280.8	255.3	244.5	242.5	242.5
32.5°	1191.0	1083.0	811.0	583.2	426.1	330.9	280.8	257.2	246.4	245.5	246.4
35°	1316.7	1189.0	866.0	605.8	430.1	329.9	279.8	259.2	246.4	246.4	246.4
37.5°	1456.1	1293.1	912.1	621.5	431.0	327.0	278.8	258.2	246.4	246.4	247.4
40°	1599.4	1404.0	963.2	634.3	430.1	325.0	277.9	258.2	246.4	246.4	247.4
42.5°	1741.8	1507.1	1011.3	642.1	428.1	323.0	276.9	258.2	246.4	244.5	245.5
45°	1896.0	1626.9	1057.5	647.0	426.1	322.0	276.9	257.2	246.4	242.5	243.5
47.5°	2039.3	1737.9	1094.8	652.9	425.1	322.0	277.9	257.2	245.5	241.5	241.5
50°	2201.3	1852.8	1133.1	654.9	423.2	322.0	277.9	257.2	244.5	238.6	239.6
52.5°	2361.4	1968.6	1170.4	658.8	423.2	323.0	278.8	257.2	243.5	235.6	235.6
55°	2514.5	2071.7	1203.7	661.8	423.2	325.0	281.8	257.2	242.5	232.7	232.7
57.5°	2654.9	2177.7	1237.1	662.7	423.2	327.0	281.8	258.2	241.5	229.8	229.8
60°	2779.6	2269.1	1260.7	663.7	422.2	328.9	283.8	257.2	240.6	226.8	226.8
62.5°	2868.0	2338.8	1272.5	660.8	422.2	328.9	284.7	257.2	239.6	225.8	224.8
65°	2918.1	2363.3	1265.6	651.9	420.2	328.9	283.8	256.3	237.6	223.9	222.9
67.5°	2901.4	2336.8	1236.2	638.2	415.3	327.9	283.8	254.3	237.6	222.9	220.9
70°	2811.0	2257.3	1180.2	617.6	408.4	324.0	279.8	251.4	235.6	221.9	219.9
72.5°	2634.3	2097.2	1098.7	585.2	396.7	318.1	274.9	246.4	231.7	219.0	216.0
75°	2388.8	1906.8	999.5	551.8	381.9	310.3	269.0	241.5	226.8	215.0	212.1
77.5°	2073.7	1652.5	889.6	508.6	363.3	299.5	261.2	233.7	219.9	209.1	205.2
80°	1746.7	1392.3	770.8	463.4	343.6	285.7	249.4	223.9	211.1	201.3	196.4
82.5°	1413.9	1143.9	659.8	420.2	321.1	270.0	237.6	213.1	201.3	190.5	185.6
85°	1115.4	904.3	552.8	375.1	297.5	254.3	223.9	200.3	189.5	177.7	172.8
87.5°	868.0	717.7	462.5	333.8	272.0	236.6	209.1	187.5	174.8	164.0	160.0
90°	676.5	565.5	386.8	294.6	249.4	219.0	193.4	173.8	161.0	150.2	145.3
92.5°	515.5	447.7	324.0	260.2	226.8	201.3	178.7	160.0	147.3	135.5	130.6
95°	403.5	355.4	273.9	228.8	204.2	182.6	164.0	146.3	132.5	119.8	116.8
97.5°	313.2	284.7	230.7	200.3	184.6	165.0	148.3	132.5	118.8	106.0	103.1
100°	247.4	226.8	195.4	177.7	164.0	148.3	133.5	119.8	105.1	91.3	90.3
102.5°	195.4	186.6	165.9	156.1	145.3	133.5	120.8	106.0	91.3	78.5	77.6
105°	160.0	152.2	142.4	136.5	129.6	118.8	107.0	94.3	79.5	67.7	67.7
107.5°	129.6	125.7	120.8	119.8	114.9	106.0	96.2	83.5	68.7	58.9	58.9
110°	106.0	105.1	105.1	105.1	102.1	95.2	85.4	72.7	57.9	51.1	51.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	89.3	89.3	90.3	92.3	90.3	83.5	74.6	62.8	50.1	44.2	44.2
115°	75.6	76.6	79.5	80.5	79.5	74.6	65.8	54.0	42.2	38.3	39.3
117.5°	65.8	65.8	69.7	71.7	70.7	65.8	56.9	46.1	36.3	34.4	34.4
120°	56.9	58.9	61.9	62.8	61.9	56.9	50.1	39.3	31.4	30.4	30.4
122.5°	50.1	51.1	54.0	56.0	54.0	50.1	42.2	33.4	26.5	26.5	27.5
125°	44.2	45.2	47.1	49.1	47.1	42.2	36.3	27.5	23.6	23.6	23.6
127.5°	39.3	40.3	42.2	42.2	40.3	36.3	30.4	23.6	19.6	20.6	20.6
130°	34.4	35.3	36.3	36.3	35.3	31.4	25.5	19.6	17.7	18.7	18.7
132.5°	30.4	31.4	31.4	31.4	29.5	26.5	21.6	16.7	15.7	16.7	16.7
135°	26.5	26.5	27.5	26.5	24.5	21.6	16.7	13.7	13.7	14.7	14.7
137.5°	22.6	23.6	23.6	21.6	19.6	16.7	13.7	11.8	11.8	12.8	12.8
140°	18.7	19.6	18.7	17.7	15.7	13.7	10.8	8.8	9.8	10.8	10.8
142.5°	15.7	15.7	15.7	13.7	11.8	9.8	7.9	7.9	8.8	8.8	9.8
145°	11.8	11.8	11.8	10.8	8.8	6.9	5.9	5.9	6.9	7.9	7.9
147.5°	8.8	8.8	8.8	7.9	5.9	4.9	3.9	4.9	5.9	6.9	5.9
150°	5.9	5.9	5.9	4.9	3.9	2.9	2.9	3.9	4.9	4.9	4.9
152.5°	3.9	3.9	3.9	3.9	2.9	1.0	2.0	2.9	3.9	3.9	3.9
155°	2.9	2.9	2.9	2.9	2.0	0.0	1.0	2.0	2.9	2.9	2.9
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	1.0	2.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
177.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)