

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: P413729

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413729  
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-PA1-100-727-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 7595 lumens  
Efficiency: N/A  
Efficacy: 79.1 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): 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

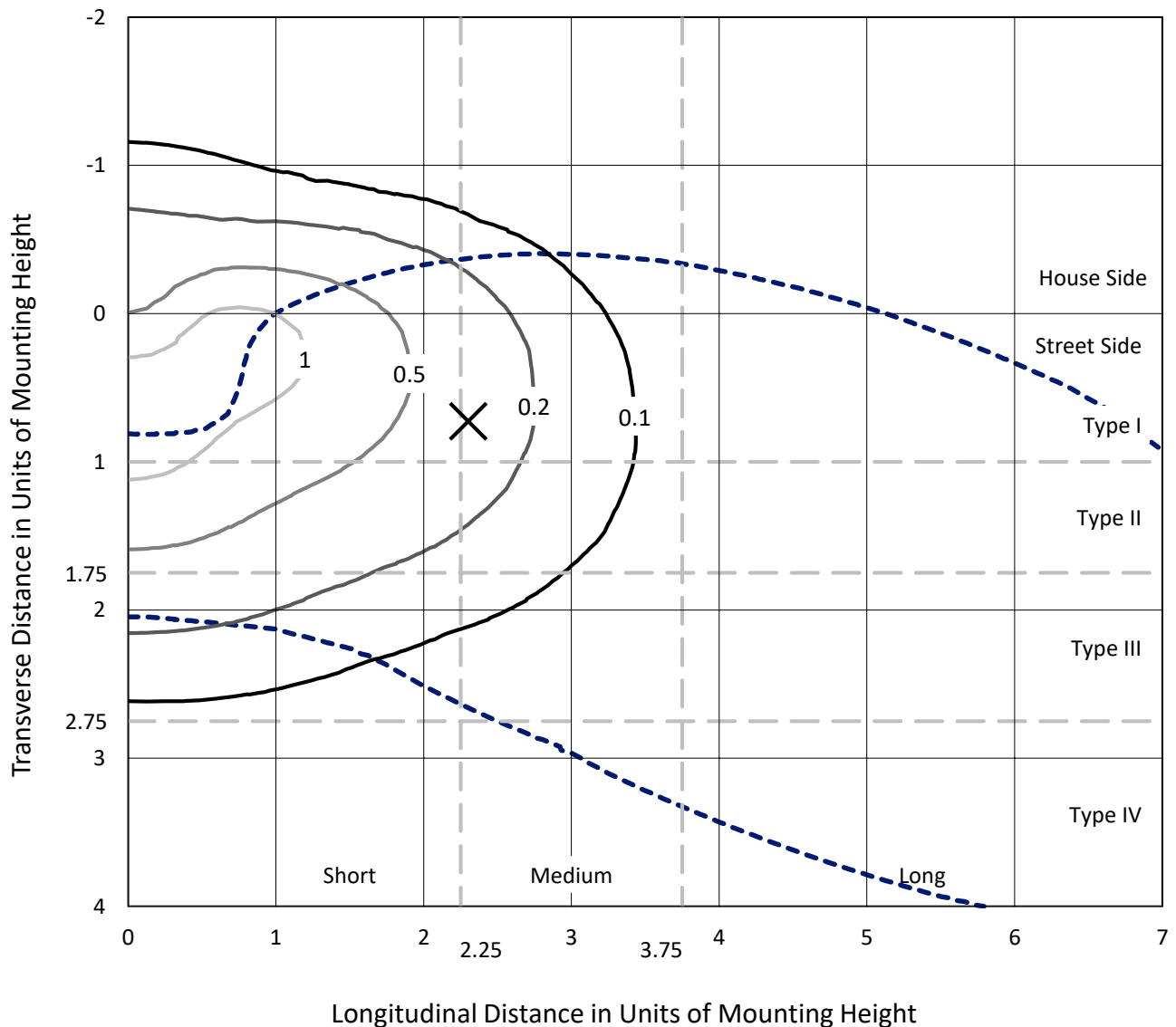


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

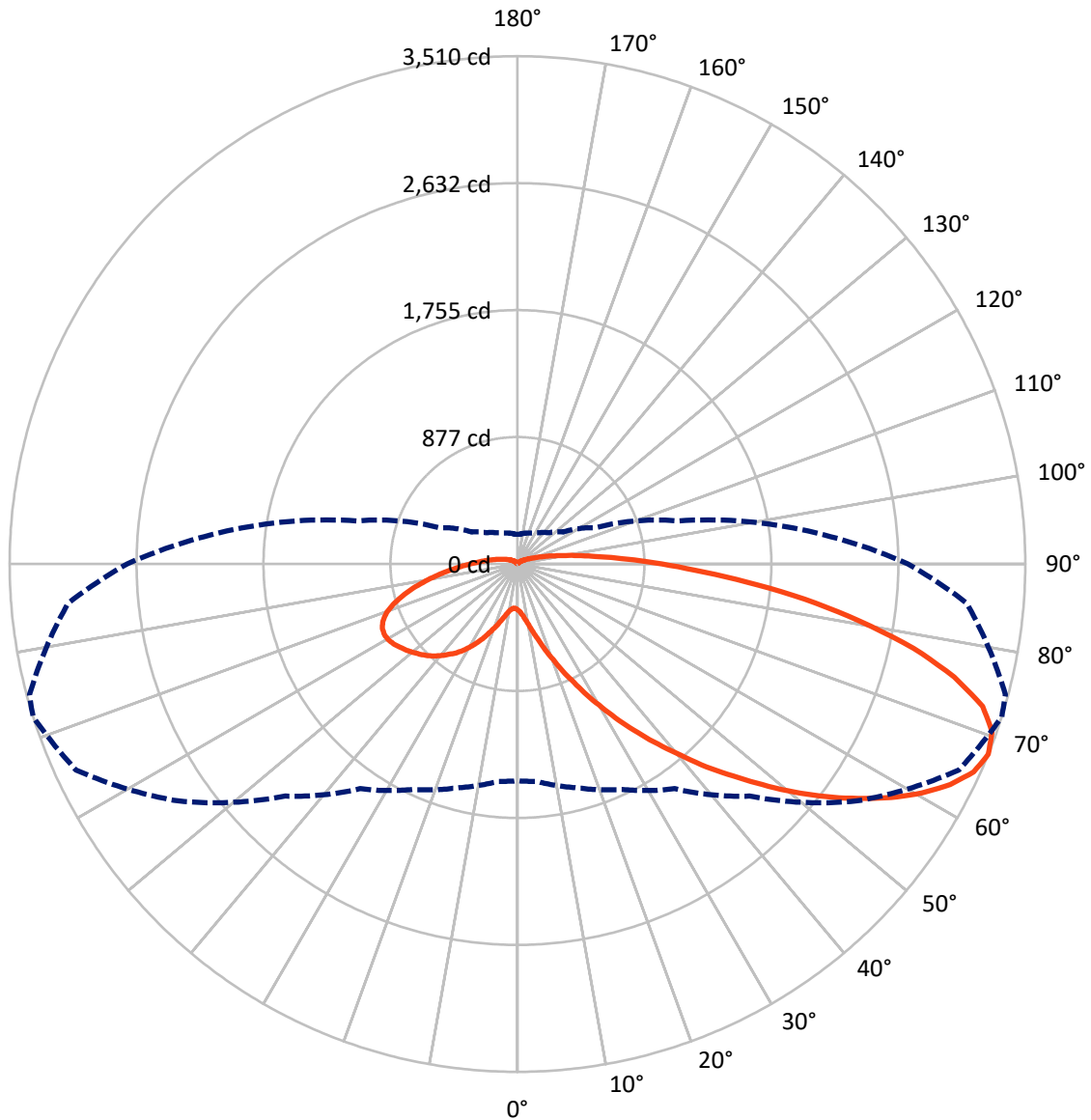


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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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	1542.3	219.4	1761.7
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5408.0	425.3	5833.3
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	6950.3	644.7	7595.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.7	0.4
10°-20°	129.6	1.7
20°-30°	312.9	4.1
30°-40°	596.4	7.9
40°-50°	960.0	12.6
50°-60°	1328.3	17.5
60°-70°	1526.2	20.1
70°-80°	1310.0	17.2
80°-90°	754.2	9.9
90°-100°	340.9	4.5
100°-110°	156.7	2.1
110°-120°	78.7	1.0
120°-130°	40.9	0.5
130°-140°	19.4	0.3
140°-150°	6.7	0.1
150°-160°	1.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6950.3	91.5
0°-180°	7595.0	100.0



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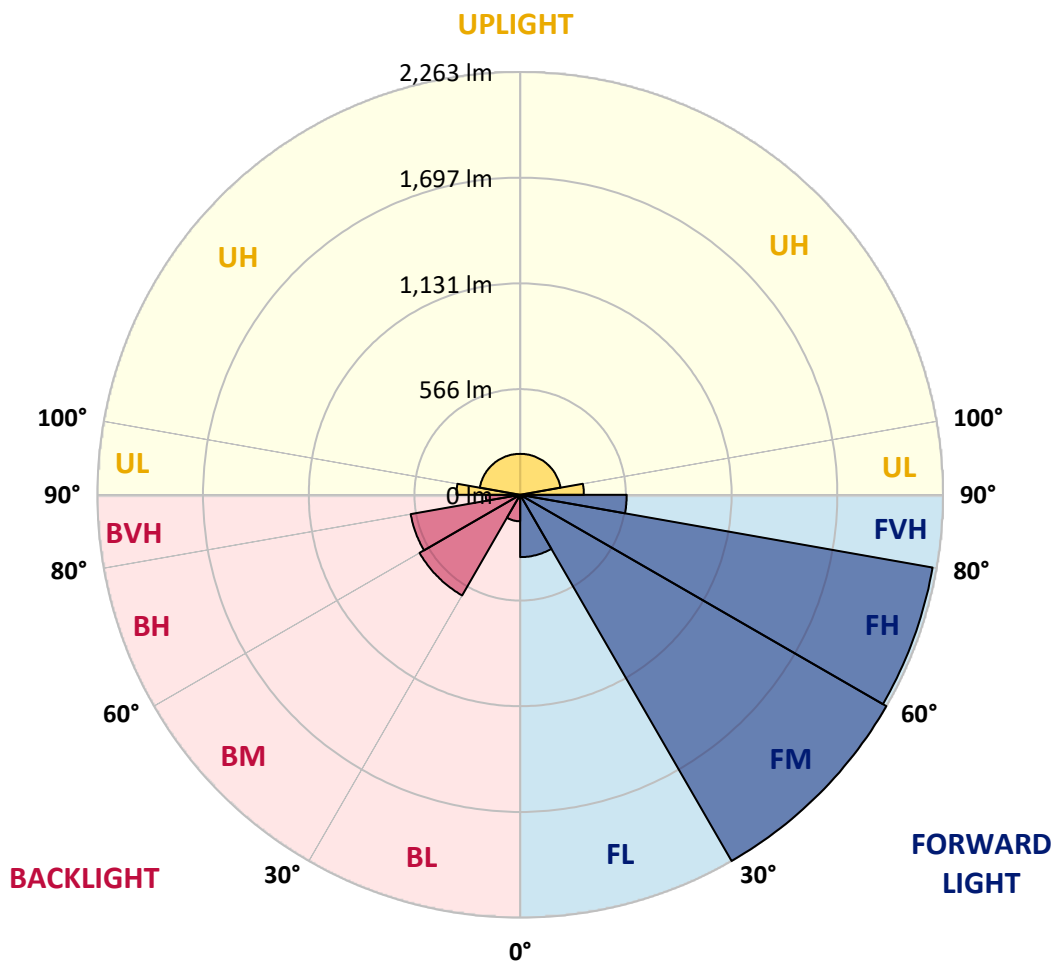
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.5	4.4			
FM	(30°-60°)	2262.9	29.8			
FH	(60°-80°)	2241.4	29.5			G2/5000
FVH	(80°-90°)	570.2	7.5			G4/750
BL	(0°-30°)	141.6	1.9	B1/500		
BM	(30°-60°)	621.9	8.2	B1/1000		
BH	(60°-80°)	594.7	7.8	B2/1000		G2/1000
BVH	(80°-90°)	184.1	2.4			G2/225
UL	(90°-100°)	340.9	4.5		U3/500	
UH	(100°-180°)	219.4	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°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	355.2	354.3	355.2	352.5	349.7	344.2	340.6	333.3	329.6	327.8	320.5
5°	405.4	404.5	403.6	399.9	390.8	384.4	373.5	360.7	352.5	348.8	336.9
7.5°	460.2	458.4	456.5	448.3	441.9	431.0	414.5	398.1	384.4	381.7	359.8
10°	522.3	520.5	516.8	510.4	498.5	483.0	468.4	444.7	427.3	419.1	395.4
12.5°	586.2	589.9	585.3	572.5	558.8	544.2	523.2	500.4	482.1	475.7	439.2
15°	663.8	666.6	662.0	647.4	632.8	610.9	594.4	570.7	546.0	542.4	502.2
17.5°	749.6	748.7	739.6	725.9	713.1	695.8	672.0	650.1	622.7	616.3	567.0
20°	842.8	839.1	830.9	808.1	796.2	776.1	761.5	731.4	704.9	695.8	646.5
22.5°	935.9	934.1	926.8	905.8	891.2	873.8	851.9	824.5	806.3	788.0	733.2
25°	1052.8	1041.8	1032.7	995.3	981.6	965.1	946.0	923.1	905.8	895.7	832.7
27.5°	1169.7	1161.4	1140.4	1113.0	1086.6	1060.1	1051.9	1031.8	1026.3	1018.1	946.9
30°	1285.6	1282.0	1259.1	1224.4	1186.1	1160.5	1156.0	1157.8	1149.6	1139.5	1063.7
32.5°	1417.1	1408.9	1383.3	1336.8	1296.6	1266.4	1266.4	1279.2	1286.5	1276.5	1196.1
35°	1545.9	1538.5	1506.6	1449.1	1404.3	1367.8	1382.4	1412.5	1429.9	1429.9	1330.4
37.5°	1681.9	1665.5	1632.6	1572.3	1512.1	1485.6	1502.0	1554.1	1579.6	1579.6	1479.2
40°	1800.6	1799.7	1754.9	1682.8	1623.5	1584.2	1634.4	1703.8	1737.6	1734.9	1628.9
42.5°	1919.3	1918.4	1875.5	1796.0	1721.2	1701.1	1764.1	1861.8	1916.6	1916.6	1780.5
45°	2026.1	2018.8	1982.3	1894.6	1825.3	1816.1	1909.3	2033.4	2090.0	2099.2	1944.9
47.5°	2104.7	2098.3	2066.3	1981.4	1915.7	1932.1	2044.4	2202.4	2279.1	2278.1	2112.9
50°	2157.6	2151.2	2123.8	2050.8	1994.2	2035.3	2191.4	2381.3	2477.2	2484.5	2279.1
52.5°	2173.1	2169.5	2154.9	2094.6	2058.1	2128.4	2329.3	2563.9	2672.6	2679.0	2460.8
55°	2146.7	2146.7	2145.7	2109.2	2094.6	2211.5	2471.7	2742.0	2859.8	2871.6	2639.7
57.5°	2084.6	2087.3	2103.7	2091.9	2113.8	2278.1	2592.2	2902.7	3045.1	3052.4	2799.5
60°	1990.5	1985.0	2021.6	2043.5	2102.8	2320.1	2699.1	3064.3	3213.1	3215.9	2940.1
62.5°	1848.1	1850.8	1903.8	1961.3	2063.6	2337.5	2793.1	3205.8	3356.5	3362.9	3049.7
65°	1680.1	1686.5	1758.6	1855.4	1996.0	2319.2	2847.0	3314.5	3465.2	3456.9	3112.7
67.5°	1498.4	1507.5	1601.5	1719.3	1895.6	2268.1	2856.1	3366.5	3509.9	3491.6	3118.2
70°	1299.3	1323.1	1417.1	1570.5	1765.9	2170.4	2803.2	3357.4	3479.8	3462.4	3036.9
72.5°	1118.5	1135.9	1239.1	1398.8	1620.7	2028.9	2690.9	3252.4	3362.0	3327.3	2867.1
75°	938.7	965.1	1062.8	1233.6	1463.7	1853.6	2500.0	3049.7	3117.3	3079.8	2614.2
77.5°	785.3	809.0	905.8	1070.1	1291.1	1670.0	2249.8	2742.0	2797.7	2759.3	2294.6
80°	640.1	666.6	760.6	922.2	1129.5	1454.5	1963.1	2382.2	2403.2	2343.0	1942.1
82.5°	535.1	548.8	636.4	778.9	969.7	1254.6	1669.1	1998.7	1999.7	1927.5	1577.8
85°	437.4	445.6	525.9	654.7	818.1	1060.1	1370.5	1609.8	1591.5	1552.2	1216.2
87.5°	354.3	362.5	434.6	550.6	688.5	884.8	1118.5	1267.4	1224.4	1193.4	944.1
90°	290.4	299.5	358.8	459.3	578.0	730.5	890.3	979.7	941.4	917.6	727.7
92.5°	237.4	246.5	298.6	384.4	489.4	598.1	707.6	749.6	723.2	695.8	548.8
95°	200.9	202.7	249.3	321.4	404.5	483.0	554.2	578.9	542.4	532.3	424.6
97.5°	165.3	170.7	207.3	271.2	337.8	402.7	439.2	452.0	419.1	397.2	325.1
100°	140.6	143.4	175.3	226.4	281.2	327.8	356.1	349.7	320.5	307.7	246.5
102.5°	120.5	123.3	148.8	196.3	239.2	273.0	286.7	276.7	249.3	241.1	193.6
105°	105.9	106.8	127.8	166.2	202.7	231.0	236.5	221.0	194.5	183.5	152.5
107.5°	94.0	95.0	111.4	144.3	175.3	194.5	196.3	179.0	153.4	145.2	122.4
110°	84.0	85.8	97.7	125.1	151.6	166.2	164.4	146.1	122.4	115.0	100.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	75.8	77.6	86.7	109.6	131.5	144.3	139.7	117.8	97.7	93.1	83.1
115°	69.4	71.2	78.5	96.8	116.0	125.1	117.8	97.7	80.4	74.9	69.4
117.5°	64.8	65.7	71.2	85.8	100.4	107.7	99.5	81.3	65.7	62.1	59.4
120°	60.3	61.2	65.7	75.8	88.6	92.2	84.0	66.7	54.8	53.0	52.0
122.5°	56.6	56.6	60.3	67.6	76.7	79.4	71.2	55.7	46.6	44.7	45.7
125°	53.0	53.0	54.8	60.3	66.7	68.5	59.4	46.6	39.3	38.3	40.2
127.5°	49.3	49.3	50.2	53.9	57.5	57.5	49.3	38.3	33.8	32.9	35.6
130°	45.7	45.7	45.7	47.5	49.3	48.4	40.2	32.0	29.2	29.2	31.0
132.5°	42.0	42.0	42.0	42.0	41.1	39.3	32.9	25.6	25.6	25.6	27.4
135°	37.4	37.4	37.4	36.5	34.7	32.0	25.6	21.0	21.0	21.9	23.7
137.5°	33.8	33.8	32.9	31.0	28.3	24.7	20.1	16.4	18.3	18.3	20.1
140°	29.2	29.2	28.3	25.6	21.9	18.3	14.6	13.7	14.6	15.5	17.3
142.5°	24.7	24.7	23.7	21.0	17.3	12.8	10.0	10.0	11.9	11.9	13.7
145°	20.1	20.1	19.2	16.4	11.9	8.2	6.4	7.3	9.1	9.1	10.0
147.5°	15.5	15.5	14.6	11.9	8.2	5.5	3.7	5.5	6.4	6.4	7.3
150°	11.0	11.0	10.0	8.2	5.5	2.7	1.8	2.7	3.7	4.6	4.6
152.5°	7.3	7.3	6.4	5.5	2.7	0.9	1.8	2.7	2.7	2.7	3.7
155°	4.6	3.7	3.7	2.7	0.9	0.0	0.9	1.8	1.8	1.8	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	1.8	1.8
160°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
162.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
165°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
167.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
172.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
175°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	318.7	315.0	309.5	304.1	298.6	294.9	291.3	289.4	286.7	284.0	284.0
5°	329.6	322.3	309.5	296.8	284.9	274.8	264.8	259.3	255.7	252.0	252.9
7.5°	349.7	338.8	317.8	296.8	277.6	261.1	247.4	236.5	229.2	224.6	225.5
10°	378.0	366.1	334.2	304.1	276.7	252.9	233.7	218.2	209.1	204.5	204.5
12.5°	422.8	402.7	360.7	317.8	281.2	249.3	224.6	206.4	193.6	188.1	187.2
15°	476.6	448.3	397.2	344.2	292.2	249.3	217.3	204.5	196.3	192.7	191.7
17.5°	540.5	509.5	439.2	368.9	306.8	254.8	227.4	211.8	202.7	199.1	198.1
20°	609.9	573.4	484.8	399.9	321.4	271.2	237.4	218.2	208.2	204.5	204.5
22.5°	694.9	646.5	534.2	427.3	339.7	284.9	247.4	223.7	214.6	210.9	210.0
25°	782.5	727.7	592.6	456.5	359.8	295.8	254.8	229.2	220.1	216.4	217.3
27.5°	885.7	815.4	650.1	485.8	377.1	302.2	258.4	233.7	224.6	221.9	222.8
30°	993.4	904.9	701.2	515.9	389.0	306.8	261.1	237.4	227.4	225.5	225.5
32.5°	1107.6	1007.1	754.2	542.4	396.3	307.7	261.1	239.2	229.2	228.3	229.2
35°	1224.4	1105.7	805.3	563.4	399.9	306.8	260.2	241.1	229.2	229.2	229.2
37.5°	1354.1	1202.5	848.3	578.0	400.8	304.1	259.3	240.1	229.2	229.2	230.1
40°	1487.4	1305.7	895.7	589.9	399.9	302.2	258.4	240.1	229.2	229.2	230.1
42.5°	1619.8	1401.6	940.5	597.2	398.1	300.4	257.5	240.1	229.2	227.4	228.3
45°	1763.2	1513.0	983.4	601.7	396.3	299.5	257.5	239.2	229.2	225.5	226.4
47.5°	1896.5	1616.2	1018.1	607.2	395.4	299.5	258.4	239.2	228.3	224.6	224.6
50°	2047.1	1723.0	1053.7	609.0	393.5	299.5	258.4	239.2	227.4	221.9	222.8
52.5°	2196.0	1830.7	1088.4	612.7	393.5	300.4	259.3	239.2	226.4	219.1	219.1
55°	2338.4	1926.6	1119.4	615.4	393.5	302.2	262.1	239.2	225.5	216.4	216.4
57.5°	2469.0	2025.2	1150.5	616.3	393.5	304.1	262.1	240.1	224.6	213.7	213.7
60°	2584.9	2110.1	1172.4	617.2	392.6	305.9	263.9	239.2	223.7	210.9	210.9
62.5°	2667.1	2175.0	1183.4	614.5	392.6	305.9	264.8	239.2	222.8	210.0	209.1
65°	2713.7	2197.8	1177.0	606.3	390.8	305.9	263.9	238.3	221.0	208.2	207.3
67.5°	2698.2	2173.1	1149.6	593.5	386.2	305.0	263.9	236.5	221.0	207.3	205.4
70°	2614.2	2099.2	1097.5	574.3	379.8	301.3	260.2	233.7	219.1	206.4	204.5
72.5°	2449.8	1950.3	1021.7	544.2	368.9	295.8	255.7	229.2	215.5	203.6	200.9
75°	2221.5	1773.2	929.5	513.2	355.2	288.5	250.2	224.6	210.9	200.0	197.2
77.5°	1928.4	1536.7	827.3	473.0	337.8	278.5	242.9	217.3	204.5	194.5	190.8
80°	1624.4	1294.8	716.8	431.0	319.6	265.7	231.9	208.2	196.3	187.2	182.6
82.5°	1314.8	1063.7	613.6	390.8	298.6	251.1	221.0	198.1	187.2	177.1	172.6
85°	1037.3	841.0	514.1	348.8	276.7	236.5	208.2	186.3	176.2	165.3	160.7
87.5°	807.2	667.5	430.1	310.4	252.9	220.1	194.5	174.4	162.5	152.5	148.8
90°	629.1	525.9	359.8	273.9	231.9	203.6	179.9	161.6	149.7	139.7	135.1
92.5°	479.4	416.4	301.3	242.0	210.9	187.2	166.2	148.8	137.0	126.0	121.4
95°	375.3	330.5	254.8	212.7	189.9	169.8	152.5	136.0	123.3	111.4	108.7
97.5°	291.3	264.8	214.6	186.3	171.7	153.4	137.9	123.3	110.5	98.6	95.9
100°	230.1	210.9	181.7	165.3	152.5	137.9	124.2	111.4	97.7	84.9	84.0
102.5°	181.7	173.5	154.3	145.2	135.1	124.2	112.3	98.6	84.9	73.0	72.1
105°	148.8	141.5	132.4	126.9	120.5	110.5	99.5	87.7	74.0	63.0	63.0
107.5°	120.5	116.9	112.3	111.4	106.8	98.6	89.5	77.6	63.9	54.8	54.8
110°	98.6	97.7	97.7	97.7	95.0	88.6	79.4	67.6	53.9	47.5	47.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	83.1	83.1	84.0	85.8	84.0	77.6	69.4	58.4	46.6	41.1	41.1
115°	70.3	71.2	74.0	74.9	74.0	69.4	61.2	50.2	39.3	35.6	36.5
117.5°	61.2	61.2	64.8	66.7	65.7	61.2	53.0	42.9	33.8	32.0	32.0
120°	53.0	54.8	57.5	58.4	57.5	53.0	46.6	36.5	29.2	28.3	28.3
122.5°	46.6	47.5	50.2	52.0	50.2	46.6	39.3	31.0	24.7	24.7	25.6
125°	41.1	42.0	43.8	45.7	43.8	39.3	33.8	25.6	21.9	21.9	21.9
127.5°	36.5	37.4	39.3	39.3	37.4	33.8	28.3	21.9	18.3	19.2	19.2
130°	32.0	32.9	33.8	33.8	32.9	29.2	23.7	18.3	16.4	17.3	17.3
132.5°	28.3	29.2	29.2	29.2	27.4	24.7	20.1	15.5	14.6	15.5	15.5
135°	24.7	24.7	25.6	24.7	22.8	20.1	15.5	12.8	12.8	13.7	13.7
137.5°	21.0	21.9	21.9	20.1	18.3	15.5	12.8	11.0	11.0	11.9	11.9
140°	17.3	18.3	17.3	16.4	14.6	12.8	10.0	8.2	9.1	10.0	10.0
142.5°	14.6	14.6	14.6	12.8	11.0	9.1	7.3	7.3	8.2	8.2	9.1
145°	11.0	11.0	11.0	10.0	8.2	6.4	5.5	5.5	6.4	7.3	7.3
147.5°	8.2	8.2	8.2	7.3	5.5	4.6	3.7	4.6	5.5	6.4	5.5
150°	5.5	5.5	5.5	4.6	3.7	2.7	2.7	3.7	4.6	4.6	4.6
152.5°	3.7	3.7	3.7	3.7	2.7	0.9	1.8	2.7	3.7	3.7	3.7
155°	2.7	2.7	2.7	2.7	1.8	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)