

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: P417057

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417057  
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-PA1-90-727-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 7500 lumens  
Efficiency: N/A  
Efficacy: 79.8 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 (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

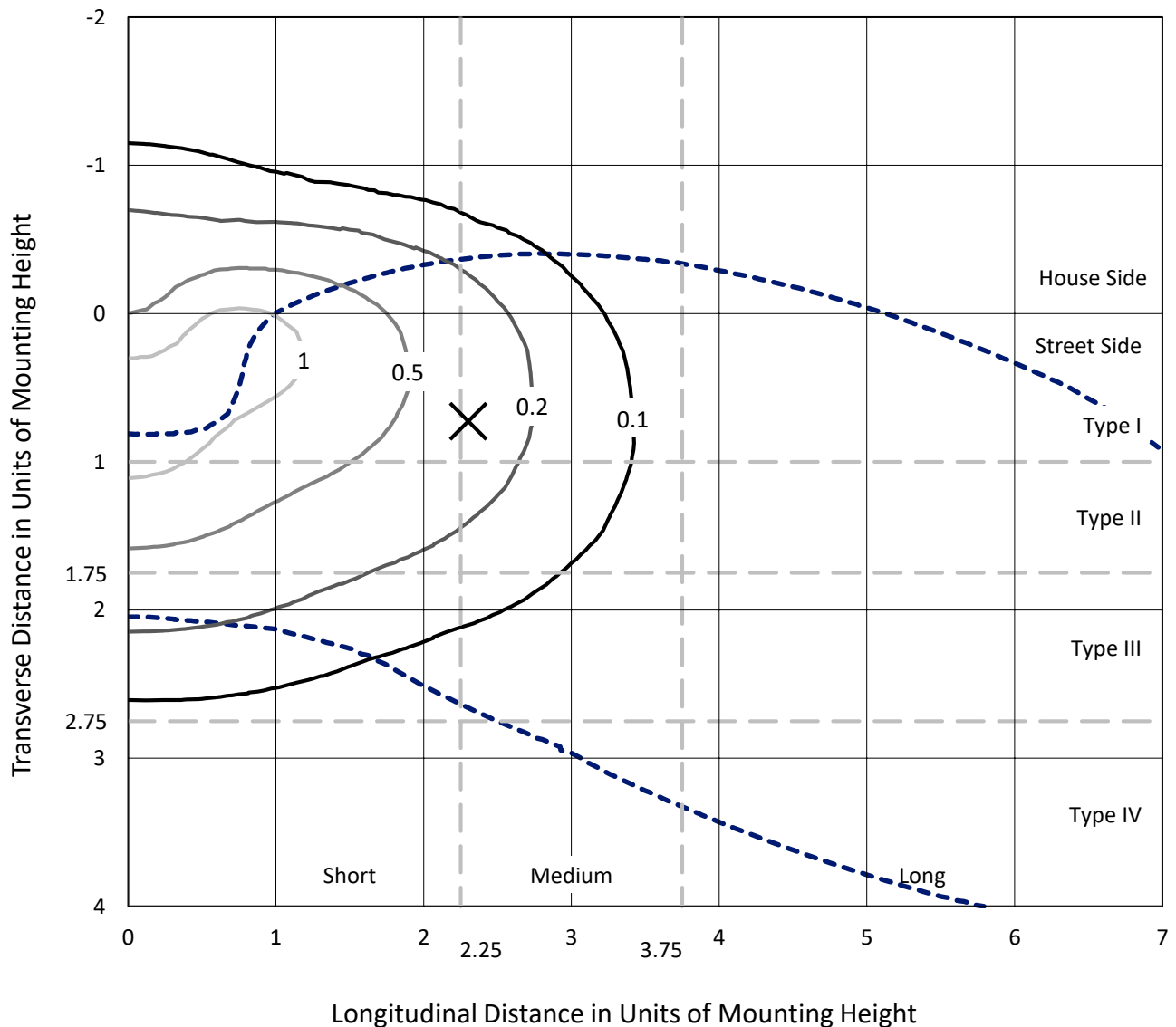


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### Iso-Footcandle Lines of Horizontal Illumination

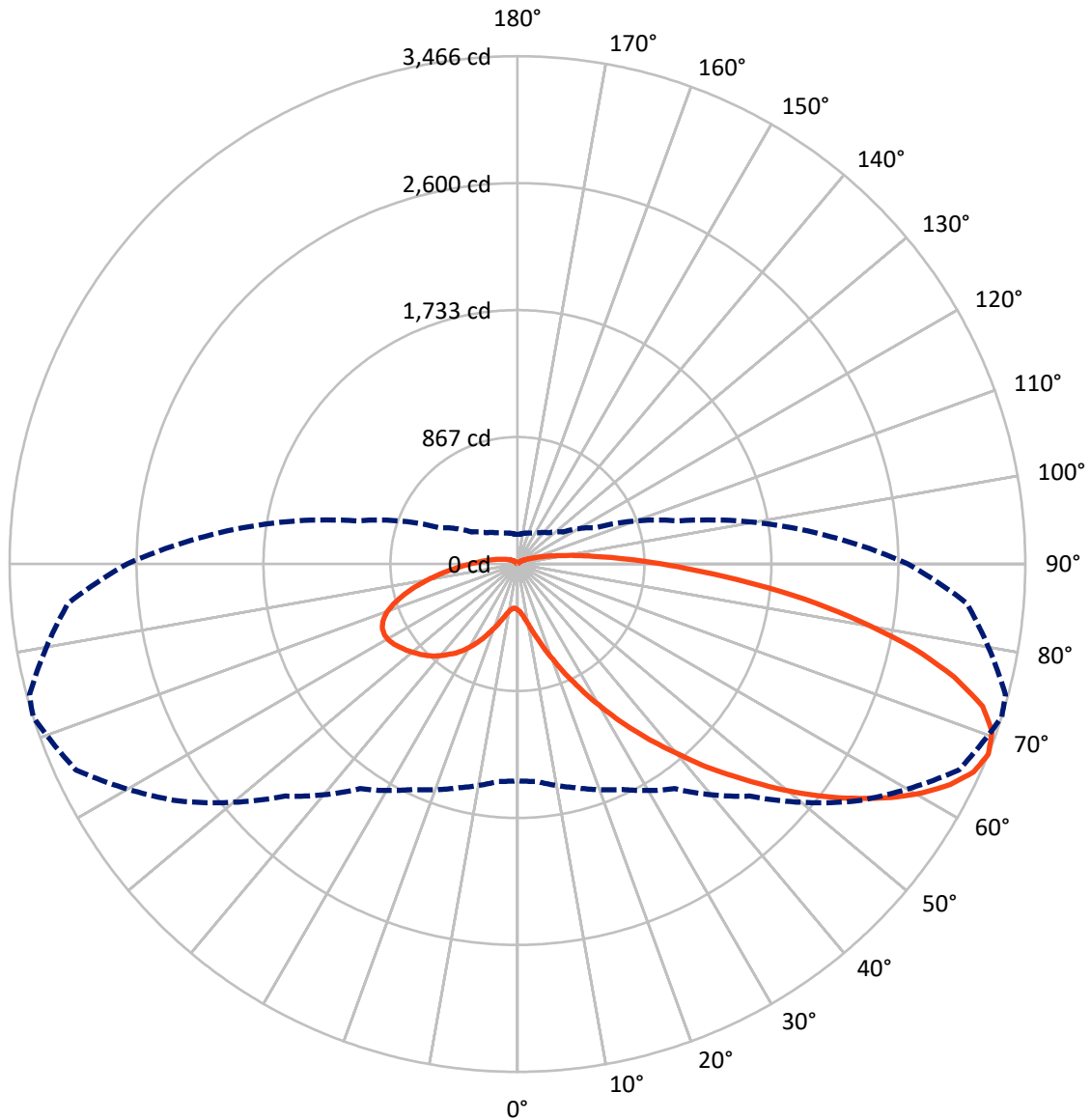
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1523.0	216.6	1739.6
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5340.3	420.0	5760.3
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	6863.3	636.6	7500.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.3	0.4
10°-20°	128.0	1.7
20°-30°	309.0	4.1
30°-40°	589.0	7.9
40°-50°	948.0	12.6
50°-60°	1311.7	17.5
60°-70°	1507.1	20.1
70°-80°	1293.6	17.2
80°-90°	744.8	9.9
90°-100°	336.6	4.5
100°-110°	154.7	2.1
110°-120°	77.8	1.0
120°-130°	40.3	0.5
130°-140°	19.2	0.3
140°-150°	6.6	0.1
150°-160°	1.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6863.3	91.5
0°-180°	7500.0	100.0



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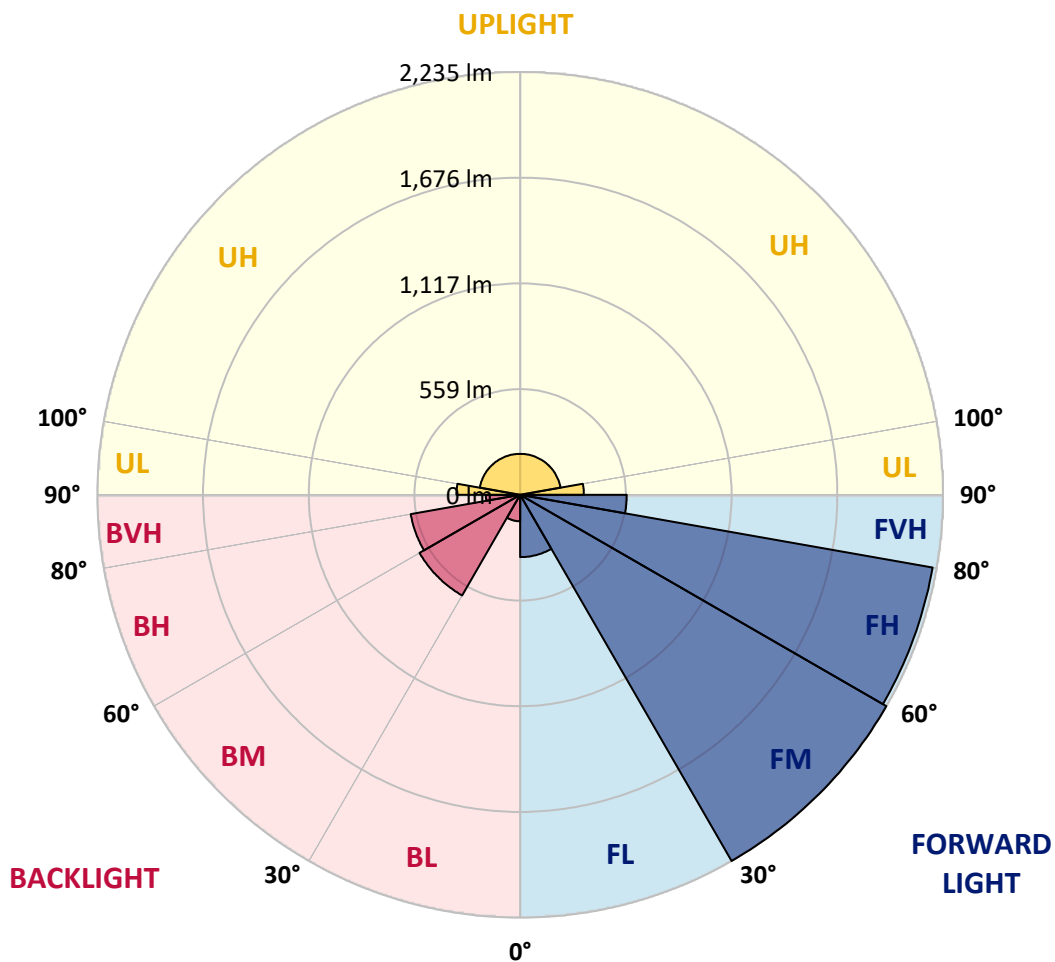
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.4	4.4			
FM (30°-60°)	2234.6	29.8			
FH (60°-80°)	2213.4	29.5			G2/5000
FVH (80°-90°)	563.0	7.5			G4/750
BL (0°-30°)	139.9	1.9	B1/500		
BM (30°-60°)	614.1	8.2	B1/1000		
BH (60°-80°)	587.3	7.8	B2/1000		G2/1000
BVH (80°-90°)	181.8	2.4			G2/225
UL (90°-100°)	336.6	4.5		U3/500	
UH (100°-180°)	216.6	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°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	350.7	349.8	350.7	348.0	345.3	339.9	336.3	329.1	325.5	323.7	316.5
5°	400.3	399.4	398.5	394.9	385.9	379.6	368.8	356.2	348.0	344.4	332.7
7.5°	454.4	452.6	450.8	442.7	436.4	425.6	409.4	393.1	379.6	376.9	355.3
10°	515.8	513.9	510.3	504.0	492.3	477.0	462.6	439.1	422.0	413.9	390.4
12.5°	578.9	582.5	578.0	565.3	551.8	537.4	516.7	494.1	476.1	469.8	433.7
15°	655.5	658.2	653.7	639.3	624.9	603.2	587.0	563.5	539.2	535.6	495.9
17.5°	740.3	739.4	730.3	716.8	704.2	687.1	663.6	642.0	614.9	608.6	559.9
20°	832.2	828.6	820.5	798.0	786.3	766.4	752.0	722.2	696.1	687.1	638.4
22.5°	924.2	922.4	915.2	894.4	880.0	862.9	841.3	814.2	796.2	778.1	724.0
25°	1039.6	1028.8	1019.8	982.8	969.3	953.1	934.1	911.6	894.4	884.5	822.3
27.5°	1155.0	1146.9	1126.2	1099.1	1073.0	1046.8	1038.7	1018.9	1013.5	1005.4	935.0
30°	1269.5	1265.9	1243.4	1209.1	1171.3	1146.0	1141.5	1143.3	1135.2	1125.3	1050.4
32.5°	1399.4	1391.3	1366.0	1320.0	1280.4	1250.6	1250.6	1263.2	1270.4	1260.5	1181.2
35°	1526.5	1519.3	1487.7	1430.9	1386.8	1350.7	1365.1	1394.9	1412.0	1412.0	1313.7
37.5°	1660.9	1644.6	1612.2	1552.7	1493.2	1467.0	1483.2	1534.6	1559.9	1559.9	1460.7
40°	1778.1	1777.2	1733.0	1661.8	1603.2	1564.4	1614.0	1682.5	1715.9	1713.2	1608.6
42.5°	1895.3	1894.4	1852.0	1773.6	1699.6	1679.8	1742.0	1838.5	1892.6	1892.6	1758.2
45°	2000.8	1993.6	1957.5	1871.0	1802.4	1793.4	1885.4	2008.0	2063.9	2072.9	1920.5
47.5°	2078.3	2072.0	2040.5	1956.6	1891.7	1907.9	2018.8	2174.8	2250.6	2249.6	2086.4
50°	2130.6	2124.3	2097.3	2025.1	1969.2	2009.8	2164.0	2351.5	2446.2	2453.4	2250.6
52.5°	2146.0	2142.4	2127.9	2068.4	2032.3	2101.8	2300.1	2531.9	2639.2	2645.5	2430.0
55°	2119.8	2119.8	2118.9	2082.8	2068.4	2183.8	2440.8	2707.7	2824.0	2835.7	2606.7
57.5°	2058.5	2061.2	2077.4	2065.7	2087.3	2249.6	2559.8	2866.4	3007.0	3014.3	2764.5
60°	1965.6	1960.2	1996.3	2017.9	2076.5	2291.1	2665.3	3026.0	3173.0	3175.7	2903.4
62.5°	1825.0	1827.7	1880.0	1936.8	2037.8	2308.3	2758.2	3165.7	3314.5	3320.8	3011.6
65°	1659.1	1665.4	1736.6	1832.2	1971.0	2290.2	2811.4	3273.0	3421.8	3413.7	3073.8
67.5°	1479.6	1488.6	1581.5	1697.8	1871.9	2239.7	2820.4	3324.4	3466.0	3448.0	3079.2
70°	1283.1	1306.5	1399.4	1550.9	1743.8	2143.3	2768.1	3315.4	3436.2	3419.1	2998.9
72.5°	1104.5	1121.7	1223.6	1381.3	1600.5	2003.5	2657.2	3211.7	3319.9	3285.7	2831.2
75°	926.9	953.1	1049.5	1218.1	1445.4	1830.4	2468.8	3011.6	3078.3	3041.3	2581.5
77.5°	775.4	798.9	894.4	1056.7	1275.0	1649.1	2221.7	2707.7	2762.7	2724.8	2265.9
80°	632.1	658.2	751.1	910.7	1115.4	1436.3	1938.6	2352.4	2373.2	2313.7	1917.8
82.5°	528.4	541.9	628.5	769.1	957.6	1238.9	1648.2	1973.7	1974.6	1903.4	1558.1
85°	431.9	440.0	519.4	646.5	807.9	1046.8	1353.4	1589.6	1571.6	1532.8	1201.0
87.5°	349.8	358.0	429.2	543.7	679.9	873.7	1104.5	1251.5	1209.1	1178.5	932.3
90°	286.7	295.7	354.4	453.5	570.8	721.3	879.1	967.5	929.6	906.2	718.6
92.5°	234.4	243.4	294.8	379.6	483.3	590.6	698.8	740.3	714.1	687.1	541.9
95°	198.4	200.2	246.2	317.4	399.4	477.0	547.3	571.7	535.6	525.7	419.3
97.5°	163.2	168.6	204.7	267.8	333.6	397.6	433.7	446.3	413.9	392.2	321.0
100°	138.9	141.6	173.1	223.6	277.7	323.7	351.6	345.3	316.5	303.9	243.4
102.5°	119.0	121.7	147.0	193.9	236.2	269.6	283.1	273.2	246.2	238.0	191.2
105°	104.6	105.5	126.2	164.1	200.2	228.1	233.5	218.2	192.1	181.2	150.6
107.5°	92.9	93.8	110.0	142.5	173.1	192.1	193.9	176.7	151.5	143.4	120.8
110°	83.0	84.8	96.5	123.5	149.7	164.1	162.3	144.3	120.8	113.6	99.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	74.8	76.6	85.7	108.2	129.8	142.5	138.0	116.3	96.5	92.0	82.1
115°	68.5	70.3	77.5	95.6	114.5	123.5	116.3	96.5	79.3	73.9	68.5
117.5°	64.0	64.9	70.3	84.8	99.2	106.4	98.3	80.2	64.9	61.3	58.6
120°	59.5	60.4	64.9	74.8	87.5	91.1	83.0	65.8	54.1	52.3	51.4
122.5°	55.9	55.9	59.5	66.7	75.7	78.4	70.3	55.0	46.0	44.2	45.1
125°	52.3	52.3	54.1	59.5	65.8	67.6	58.6	46.0	38.8	37.9	39.7
127.5°	48.7	48.7	49.6	53.2	56.8	56.8	48.7	37.9	33.4	32.5	35.2
130°	45.1	45.1	45.1	46.9	48.7	47.8	39.7	31.6	28.9	28.9	30.7
132.5°	41.5	41.5	41.5	41.5	40.6	38.8	32.5	25.2	25.2	25.2	27.0
135°	37.0	37.0	37.0	36.1	34.3	31.6	25.2	20.7	20.7	21.6	23.4
137.5°	33.4	33.4	32.5	30.7	28.0	24.3	19.8	16.2	18.0	18.0	19.8
140°	28.9	28.9	28.0	25.2	21.6	18.0	14.4	13.5	14.4	15.3	17.1
142.5°	24.3	24.3	23.4	20.7	17.1	12.6	9.9	9.9	11.7	11.7	13.5
145°	19.8	19.8	18.9	16.2	11.7	8.1	6.3	7.2	9.0	9.0	9.9
147.5°	15.3	15.3	14.4	11.7	8.1	5.4	3.6	5.4	6.3	6.3	7.2
150°	10.8	10.8	9.9	8.1	5.4	2.7	1.8	2.7	3.6	4.5	4.5
152.5°	7.2	7.2	6.3	5.4	2.7	0.9	1.8	2.7	2.7	2.7	3.6
155°	4.5	3.6	3.6	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°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	314.7	311.1	305.7	300.3	294.8	291.2	287.6	285.8	283.1	280.4	280.4
5°	325.5	318.3	305.7	293.0	281.3	271.4	261.5	256.1	252.5	248.9	249.8
7.5°	345.3	334.5	313.8	293.0	274.1	257.9	244.4	233.5	226.3	221.8	222.7
10°	373.3	361.6	330.0	300.3	273.2	249.8	230.8	215.5	206.5	202.0	202.0
12.5°	417.5	397.6	356.2	313.8	277.7	246.2	221.8	203.8	191.2	185.7	184.8
15°	470.7	442.7	392.2	339.9	288.5	246.2	214.6	202.0	193.9	190.3	189.3
17.5°	533.8	503.1	433.7	364.3	303.0	251.6	224.5	209.2	200.2	196.6	195.7
20°	602.3	566.2	478.8	394.9	317.4	267.8	234.4	215.5	205.6	202.0	202.0
22.5°	686.2	638.4	527.5	422.0	335.4	281.3	244.4	220.9	211.9	208.3	207.4
25°	772.7	718.6	585.2	450.8	355.3	292.1	251.6	226.3	217.3	213.7	214.6
27.5°	874.6	805.2	642.0	479.7	372.4	298.5	255.2	230.8	221.8	219.1	220.0
30°	981.0	893.5	692.5	509.4	384.1	303.0	257.9	234.4	224.5	222.7	222.7
32.5°	1093.7	994.5	744.8	535.6	391.3	303.9	257.9	236.2	226.3	225.4	226.3
35°	1209.1	1091.9	795.3	556.3	394.9	303.0	257.0	238.0	226.3	226.3	226.3
37.5°	1337.2	1187.5	837.6	570.8	395.8	300.3	256.1	237.1	226.3	226.3	227.2
40°	1468.8	1289.4	884.5	582.5	394.9	298.5	255.2	237.1	226.3	226.3	227.2
42.5°	1599.6	1384.1	928.7	589.7	393.1	296.6	254.3	237.1	226.3	224.5	225.4
45°	1741.1	1494.1	971.1	594.2	391.3	295.7	254.3	236.2	226.3	222.7	223.6
47.5°	1872.8	1595.9	1005.4	599.6	390.4	295.7	255.2	236.2	225.4	221.8	221.8
50°	2021.5	1701.4	1040.5	601.4	388.6	295.7	255.2	236.2	224.5	219.1	220.0
52.5°	2168.5	1807.8	1074.8	605.0	388.6	296.6	256.1	236.2	223.6	216.4	216.4
55°	2309.2	1902.5	1105.4	607.7	388.6	298.5	258.8	236.2	222.7	213.7	213.7
57.5°	2438.1	1999.9	1136.1	608.6	388.6	300.3	258.8	237.1	221.8	211.0	211.0
60°	2552.6	2083.7	1157.7	609.5	387.7	302.1	260.6	236.2	220.9	208.3	208.3
62.5°	2633.8	2147.8	1168.6	606.8	387.7	302.1	261.5	236.2	220.0	207.4	206.5
65°	2679.7	2170.3	1162.2	598.7	385.9	302.1	260.6	235.3	218.2	205.6	204.7
67.5°	2664.4	2146.0	1135.2	586.1	381.4	301.2	260.6	233.5	218.2	204.7	202.9
70°	2581.5	2072.9	1083.8	567.1	375.1	297.5	257.0	230.8	216.4	203.8	202.0
72.5°	2419.2	1926.0	1009.0	537.4	364.3	292.1	252.5	226.3	212.8	201.1	198.4
75°	2193.7	1751.0	917.9	506.7	350.7	284.9	247.1	221.8	208.3	197.5	194.8
77.5°	1904.3	1517.5	816.9	467.1	333.6	275.0	239.8	214.6	202.0	192.1	188.4
80°	1604.1	1278.6	707.8	425.6	315.6	262.4	229.0	205.6	193.9	184.8	180.3
82.5°	1298.4	1050.4	605.9	385.9	294.8	248.0	218.2	195.7	184.8	174.9	170.4
85°	1024.3	830.4	507.6	344.4	273.2	233.5	205.6	183.9	174.0	163.2	158.7
87.5°	797.1	659.1	424.7	306.6	249.8	217.3	192.1	172.2	160.5	150.6	147.0
90°	621.2	519.4	355.3	270.5	229.0	201.1	177.6	159.6	147.9	138.0	133.4
92.5°	473.4	411.2	297.5	238.9	208.3	184.8	164.1	147.0	135.2	124.4	119.9
95°	370.6	326.4	251.6	210.1	187.5	167.7	150.6	134.3	121.7	110.0	107.3
97.5°	287.6	261.5	211.9	183.9	169.5	151.5	136.2	121.7	109.1	97.4	94.7
100°	227.2	208.3	179.4	163.2	150.6	136.2	122.6	110.0	96.5	83.9	83.0
102.5°	179.4	171.3	152.4	143.4	133.4	122.6	110.9	97.4	83.9	72.1	71.2
105°	147.0	139.8	130.7	125.3	119.0	109.1	98.3	86.6	73.0	62.2	62.2
107.5°	119.0	115.4	110.9	110.0	105.5	97.4	88.4	76.6	63.1	54.1	54.1
110°	97.4	96.5	96.5	96.5	93.8	87.5	78.4	66.7	53.2	46.9	46.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	82.1	82.1	83.0	84.8	83.0	76.6	68.5	57.7	46.0	40.6	40.6
115°	69.4	70.3	73.0	73.9	73.0	68.5	60.4	49.6	38.8	35.2	36.1
117.5°	60.4	60.4	64.0	65.8	64.9	60.4	52.3	42.4	33.4	31.6	31.6
120°	52.3	54.1	56.8	57.7	56.8	52.3	46.0	36.1	28.9	28.0	28.0
122.5°	46.0	46.9	49.6	51.4	49.6	46.0	38.8	30.7	24.3	24.3	25.2
125°	40.6	41.5	43.3	45.1	43.3	38.8	33.4	25.2	21.6	21.6	21.6
127.5°	36.1	37.0	38.8	38.8	37.0	33.4	28.0	21.6	18.0	18.9	18.9
130°	31.6	32.5	33.4	33.4	32.5	28.9	23.4	18.0	16.2	17.1	17.1
132.5°	28.0	28.9	28.9	28.9	27.0	24.3	19.8	15.3	14.4	15.3	15.3
135°	24.3	24.3	25.2	24.3	22.5	19.8	15.3	12.6	12.6	13.5	13.5
137.5°	20.7	21.6	21.6	19.8	18.0	15.3	12.6	10.8	10.8	11.7	11.7
140°	17.1	18.0	17.1	16.2	14.4	12.6	9.9	8.1	9.0	9.9	9.9
142.5°	14.4	14.4	14.4	12.6	10.8	9.0	7.2	7.2	8.1	8.1	9.0
145°	10.8	10.8	10.8	9.9	8.1	6.3	5.4	5.4	6.3	7.2	7.2
147.5°	8.1	8.1	8.1	7.2	5.4	4.5	3.6	4.5	5.4	6.3	5.4
150°	5.4	5.4	5.4	4.5	3.6	2.7	2.7	3.6	4.5	4.5	4.5
152.5°	3.6	3.6	3.6	3.6	2.7	0.9	1.8	2.7	3.6	3.6	3.6
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)