

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: P416125

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-830-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5513 lumens  
Efficiency: N/A  
Efficacy: 86.1 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: B1 - U3 - G3

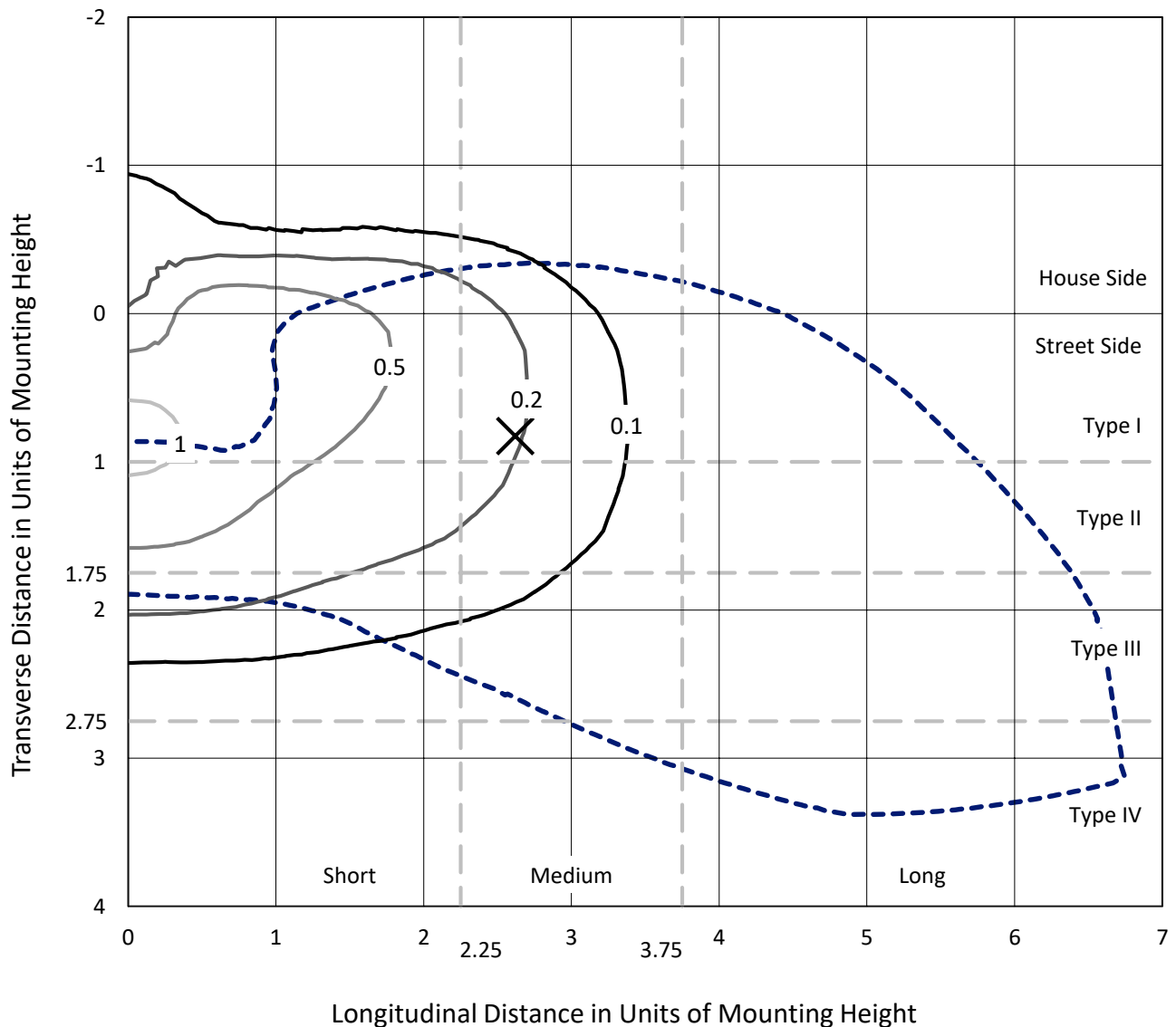
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

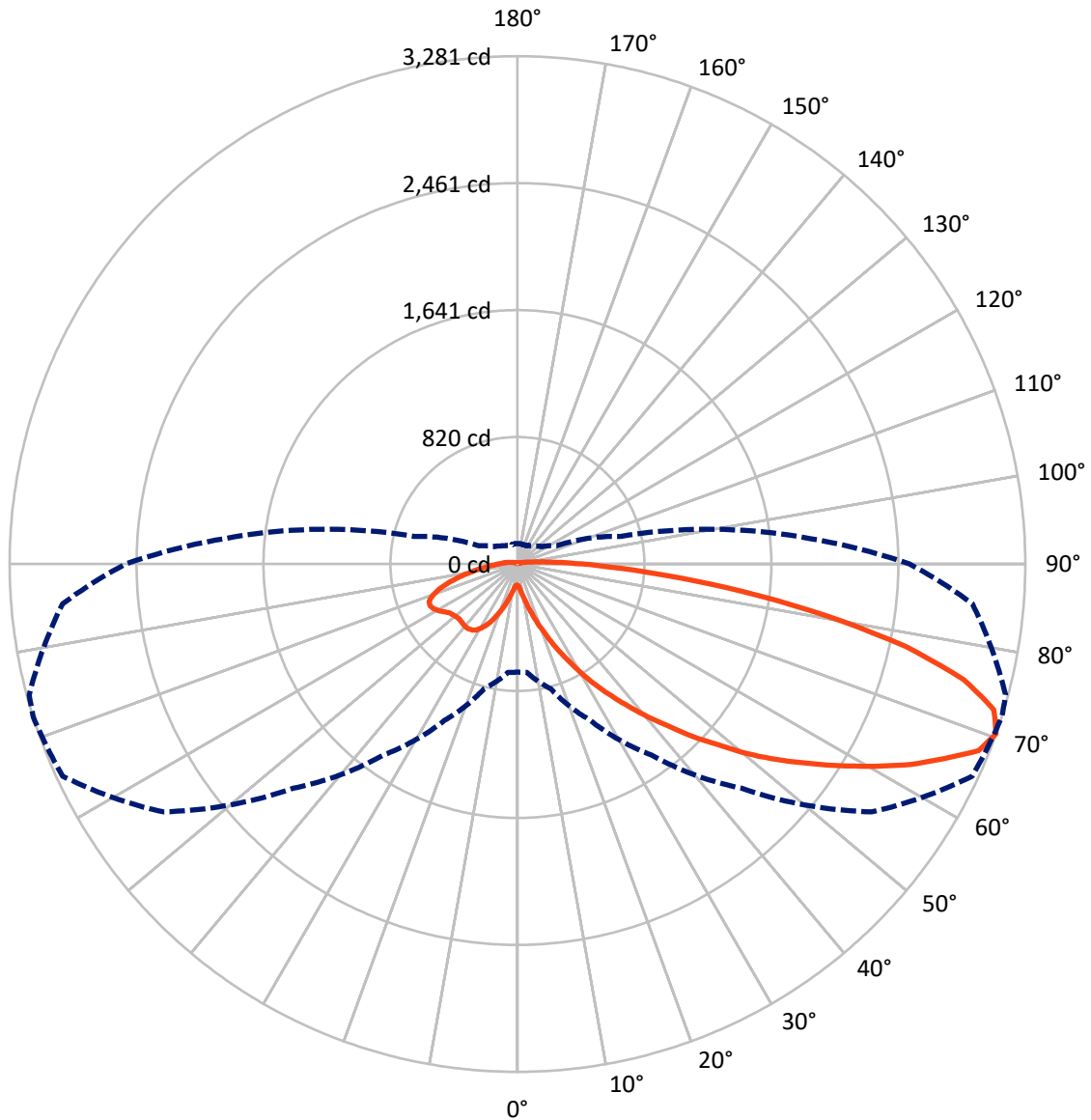
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	991.1	89.9	1081.0
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4328.2	103.8	4432.0
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	5319.3	193.7	5513.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	74.6	1.4
20°-30°	208.3	3.8
30°-40°	431.8	7.8
40°-50°	745.8	13.5
50°-60°	1101.4	20.0
60°-70°	1300.0	23.6
70°-80°	1031.7	18.7
80°-90°	410.2	7.4
90°-100°	108.4	2.0
100°-110°	41.8	0.8
110°-120°	20.4	0.4
120°-130°	11.6	0.2
130°-140°	6.8	0.1
140°-150°	3.2	0.1
150°-160°	1.1	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	5319.3	96.5
0°-180°	5513.0	100.0

**Coefficient of Utilization**



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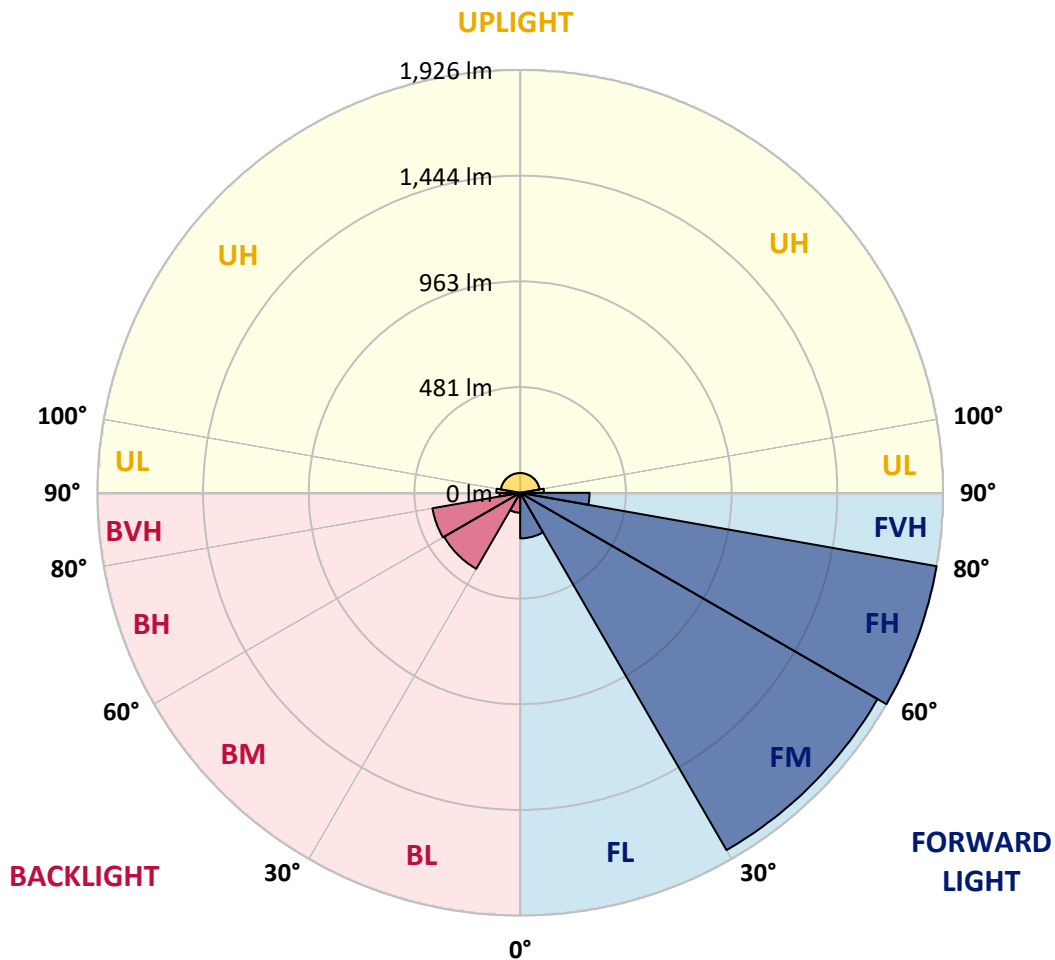
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.5	3.8			
FM	(30°-60°)	1879.1	34.1			
FH	(60°-80°)	1925.8	34.9			G2/5000
FVH	(80°-90°)	315.9	5.7			G3/500
BL	(0°-30°)	90.9	1.6	B0/110		
BM	(30°-60°)	399.9	7.3	B1/1000		
BH	(60°-80°)	405.9	7.4	B1/500		G1/500
BVH	(80°-90°)	94.3	1.7			G1/100
UL	(90°-100°)	108.4	2.0		U3/500	
UH	(100°-180°)	89.9	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
2.5°	154.9	155.6	154.9	154.9	153.6	153.0	149.1	146.5	144.6	143.3	141.3
5°	179.6	180.9	180.2	180.2	177.0	175.0	170.5	165.3	161.4	160.8	154.9
7.5°	212.6	212.0	209.4	208.7	207.4	204.2	197.7	189.9	186.0	184.7	176.3
10°	253.5	250.2	251.5	247.0	244.4	239.2	233.4	227.5	219.7	219.7	208.1
12.5°	294.3	301.4	299.5	293.0	287.8	279.4	272.3	270.3	261.2	262.5	251.5
15°	361.1	360.4	354.6	350.0	339.7	329.3	322.8	318.3	315.7	313.7	301.4
17.5°	431.7	427.8	423.3	409.7	394.8	385.7	379.9	375.3	378.6	377.9	363.0
20°	513.4	508.9	502.4	477.7	458.3	444.0	440.8	446.0	447.9	453.1	438.2
22.5°	604.1	602.2	586.6	558.8	525.7	506.9	503.7	516.0	530.9	533.5	523.1
25°	713.0	710.5	689.1	648.9	605.4	576.9	576.9	596.4	621.0	626.8	621.6
27.5°	829.7	823.2	795.4	746.1	686.5	649.5	645.0	680.0	714.3	731.2	724.7
30°	963.9	962.6	916.6	856.3	785.0	726.0	724.1	775.3	823.9	831.7	833.0
32.5°	1102.0	1113.0	1059.8	969.7	883.5	814.2	810.9	868.6	936.0	949.6	949.6
35°	1261.4	1262.1	1196.6	1107.2	989.2	910.1	901.0	969.7	1044.9	1063.7	1074.1
37.5°	1422.2	1418.3	1359.3	1236.2	1103.9	1008.6	1000.2	1081.2	1166.8	1197.3	1195.3
40°	1580.4	1591.4	1516.8	1380.7	1221.3	1124.7	1103.9	1199.2	1297.7	1332.1	1318.5
42.5°	1750.8	1748.3	1681.5	1529.8	1352.2	1236.8	1224.5	1323.0	1432.6	1471.5	1459.1
45°	1899.9	1898.6	1826.0	1674.4	1477.3	1366.5	1349.6	1454.0	1591.4	1627.7	1602.4
47.5°	2037.4	2034.1	1958.9	1804.6	1586.8	1490.3	1491.6	1598.5	1744.4	1804.0	1765.1
50°	2143.7	2132.7	2085.3	1918.7	1705.5	1620.6	1645.2	1770.9	1926.5	1980.3	1938.2
52.5°	2200.7	2183.9	2146.9	1998.5	1817.6	1749.6	1796.9	1946.0	2099.6	2150.8	2104.8
55°	2173.5	2173.5	2152.7	2047.1	1897.3	1867.5	1962.8	2113.2	2273.3	2329.7	2288.9
57.5°	2063.9	2080.8	2090.5	2034.1	1952.4	1984.2	2135.2	2303.8	2457.4	2519.6	2465.8
60°	1872.1	1876.6	1947.9	1964.1	1974.5	2083.4	2314.2	2515.1	2653.2	2702.4	2641.5
62.5°	1600.5	1621.9	1708.7	1828.6	1942.1	2165.7	2502.1	2727.7	2852.2	2885.2	2796.4
65°	1298.4	1293.2	1454.0	1633.5	1852.6	2189.7	2653.8	2933.9	3030.4	3074.5	2920.2
67.5°	984.6	981.4	1129.9	1393.0	1700.9	2164.4	2777.0	3108.9	3215.2	3216.5	2998.0
70°	698.1	703.3	834.9	1114.3	1505.2	2049.0	2791.9	3242.4	3281.3	3265.7	2950.7
72.5°	473.9	477.7	602.8	853.7	1245.9	1862.3	2667.4	3228.1	3219.1	3175.6	2756.2
75°	305.3	331.2	423.9	648.9	1008.6	1593.3	2425.6	3024.0	2976.6	2904.7	2418.5
77.5°	210.7	223.6	294.9	472.6	788.2	1315.9	2082.7	2613.6	2564.4	2476.2	1949.9
80°	142.6	148.4	202.9	353.3	620.3	1034.6	1697.0	2104.1	2019.2	1928.5	1462.4
82.5°	95.3	106.3	145.8	253.5	469.3	798.6	1290.6	1606.9	1472.1	1393.7	1027.4
85°	63.5	69.4	103.7	184.1	339.7	581.5	928.9	1091.6	973.0	903.6	656.6
87.5°	42.8	48.0	73.9	131.6	251.5	422.6	622.3	705.3	610.0	566.5	397.4
90°	28.5	31.8	54.5	94.6	177.6	294.9	420.0	435.6	374.0	347.4	243.1
92.5°	20.1	23.3	40.8	70.0	124.5	204.8	269.7	263.8	220.4	207.4	156.9
95°	15.6	18.2	31.8	53.8	90.8	140.7	175.7	160.8	139.4	134.8	108.3
97.5°	13.6	14.9	26.6	43.4	68.7	99.8	114.1	108.9	94.0	91.4	79.1
100°	12.3	13.6	23.3	37.6	55.1	73.2	81.7	75.8	68.1	66.1	58.3
102.5°	11.7	12.3	20.7	32.4	45.4	57.7	62.9	56.4	50.6	49.9	44.7
105°	11.0	11.7	18.2	27.9	38.2	47.3	49.3	44.1	39.5	37.6	33.7
107.5°	10.4	10.4	16.2	24.6	33.1	39.5	40.8	35.7	30.5	29.2	26.6
110°	9.7	10.4	14.9	22.0	29.2	34.4	34.4	29.2	24.0	22.7	21.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.7	9.7	13.6	19.4	25.9	29.8	29.2	24.0	19.4	17.5	17.5
115°	9.1	9.7	13.0	18.2	23.3	25.9	24.6	20.1	15.6	14.3	14.9
117.5°	9.1	9.7	11.7	16.2	20.7	22.7	21.4	16.9	13.0	12.3	13.6
120°	9.1	9.7	11.7	14.9	18.2	20.1	18.8	14.3	11.7	11.0	12.3
122.5°	9.7	9.7	11.0	13.6	16.9	18.2	16.2	12.3	10.4	9.7	11.0
125°	9.7	9.7	11.0	13.0	15.6	16.2	14.3	11.0	9.1	9.1	10.4
127.5°	9.7	9.7	11.0	12.3	14.3	14.3	13.0	9.7	8.4	8.4	9.7
130°	9.7	9.7	10.4	11.7	13.0	13.0	11.0	8.4	7.8	7.8	9.1
132.5°	10.4	10.4	10.4	11.0	11.7	11.7	9.7	7.8	7.1	7.1	9.1
135°	9.7	9.7	9.7	10.4	10.4	10.4	8.4	7.1	6.5	7.1	8.4
137.5°	9.1	9.1	9.7	9.7	9.7	9.1	7.1	5.8	5.8	6.5	7.8
140°	9.1	8.4	9.1	9.1	8.4	7.8	6.5	5.2	5.2	5.8	6.5
142.5°	7.8	7.8	7.8	7.8	7.1	6.5	5.2	4.5	5.2	5.2	5.8
145°	7.1	7.1	7.1	6.5	6.5	5.2	3.9	3.9	3.9	4.5	5.2
147.5°	5.8	5.8	5.8	5.8	5.2	4.5	2.6	3.2	3.2	3.2	3.9
150°	4.5	4.5	5.2	4.5	3.9	3.2	1.9	2.6	3.2	3.2	3.2
152.5°	3.9	3.9	3.9	3.9	3.2	1.9	1.9	2.6	2.6	2.6	3.2
155°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	1.9	2.6	2.6	2.6
157.5°	1.3	1.3	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
160°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
162.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
165°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
167.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
170°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
172.5°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
175°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
177.5°	0.0	0.6	1.3	1.3	1.9	1.3	1.3	1.3	1.3	1.3	1.9
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
2.5°	140.0	138.7	136.1	133.5	131.6	129.6	128.3	126.4	125.1	125.1	125.1
5°	151.0	149.7	143.3	136.8	130.9	125.8	121.9	117.3	115.4	113.4	114.1
7.5°	173.1	168.5	158.2	147.1	137.4	127.1	119.3	112.8	108.9	106.3	106.3
10°	202.9	195.8	180.2	163.4	147.1	132.2	120.6	111.5	105.0	102.4	102.4
12.5°	241.1	234.0	210.0	184.7	160.1	138.7	123.8	112.1	105.0	101.8	101.8
15°	292.3	280.0	247.6	211.3	175.7	146.5	127.1	117.3	112.8	110.8	110.8
17.5°	353.3	335.1	293.0	238.5	191.2	154.3	135.5	126.4	122.5	121.9	121.9
20°	424.6	401.9	338.4	265.8	203.5	164.0	142.6	134.8	133.5	134.2	134.2
22.5°	505.6	472.6	385.0	290.4	215.2	169.8	147.8	141.3	142.6	145.8	145.2
25°	591.2	556.2	436.3	312.4	223.0	172.4	151.0	147.1	152.3	156.2	156.2
27.5°	691.0	636.6	482.9	328.0	224.9	170.5	151.7	149.7	156.9	162.7	164.0
30°	792.8	722.8	523.1	337.7	221.0	165.9	149.1	150.4	158.8	166.6	167.2
32.5°	895.8	804.4	556.2	339.7	214.6	160.1	146.5	149.1	158.2	166.6	167.9
35°	998.3	880.9	578.2	332.5	204.2	154.3	142.0	146.5	155.6	165.3	166.6
37.5°	1098.7	953.5	591.8	320.9	193.8	149.1	138.7	143.3	152.3	163.4	164.6
40°	1208.3	1031.3	599.6	307.3	183.4	144.6	136.8	141.3	150.4	160.8	162.7
42.5°	1308.8	1102.6	600.3	290.4	175.7	142.6	135.5	139.4	147.8	158.8	160.8
45°	1439.7	1175.9	600.3	276.1	170.5	142.0	135.5	138.7	146.5	158.2	160.8
47.5°	1563.5	1260.1	601.5	263.8	167.9	143.3	136.8	138.1	144.6	158.2	160.8
50°	1707.4	1341.2	611.9	254.8	167.2	145.8	138.7	137.4	142.6	156.9	160.1
52.5°	1850.7	1448.1	624.9	248.3	168.5	148.4	140.0	137.4	140.7	153.6	157.5
55°	2007.5	1549.9	639.1	248.9	171.1	151.0	142.0	136.8	138.1	148.4	152.3
57.5°	2164.4	1669.2	670.3	252.8	174.4	154.3	143.9	136.8	134.8	142.6	145.8
60°	2301.8	1774.2	702.7	261.2	178.9	157.5	145.2	136.1	132.2	136.8	139.4
62.5°	2447.0	1888.9	728.6	268.4	184.1	160.1	145.2	135.5	130.3	133.5	134.8
65°	2541.7	1957.0	742.2	277.4	189.3	162.1	145.8	134.2	129.6	131.6	132.9
67.5°	2590.3	1968.0	733.1	280.7	193.8	163.4	145.2	132.9	130.3	131.6	132.9
70°	2532.6	1894.8	689.7	278.7	195.1	163.4	143.9	131.6	130.3	132.2	132.9
72.5°	2323.9	1718.4	625.5	269.0	193.2	160.8	142.0	129.6	129.6	132.9	132.9
75°	2001.1	1465.0	541.3	254.1	188.0	156.9	138.1	126.4	127.7	132.2	132.2
77.5°	1602.4	1159.0	446.0	232.7	178.3	150.4	132.9	121.9	125.1	130.3	129.6
80°	1192.7	863.4	359.1	208.7	165.3	141.3	125.8	116.7	121.2	125.8	124.5
82.5°	794.7	606.1	283.9	183.4	151.7	132.2	118.0	109.5	115.4	119.9	118.0
85°	516.0	403.8	219.7	158.2	137.4	121.9	108.3	101.8	107.6	111.5	109.5
87.5°	321.5	271.0	167.2	134.8	122.5	110.2	99.8	92.7	98.5	102.4	99.8
90°	212.6	181.5	131.6	116.7	108.9	99.2	89.5	84.3	90.1	91.4	89.5
92.5°	140.0	128.3	107.0	99.8	95.9	88.2	81.0	76.5	81.0	81.7	80.4
95°	100.5	97.2	88.2	86.9	84.9	78.4	72.6	68.7	71.3	72.0	69.4
97.5°	76.5	75.8	75.2	75.2	73.9	69.4	64.2	60.9	62.2	61.6	59.6
100°	59.6	60.9	62.9	64.2	63.5	60.3	56.4	53.8	54.5	51.9	49.9
102.5°	46.7	49.3	52.5	54.5	54.5	51.9	49.9	47.3	45.4	42.1	41.5
105°	36.9	38.9	43.4	46.7	46.7	45.4	43.4	40.2	38.2	34.4	34.4
107.5°	29.2	31.8	36.9	39.5	40.2	38.9	37.6	35.0	31.8	27.9	27.9
110°	23.3	25.3	31.1	33.7	34.4	33.7	32.4	29.2	25.9	23.3	23.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.4	21.4	25.9	28.5	29.8	29.2	27.9	24.6	21.4	19.4	19.4
115°	16.9	18.8	22.0	24.6	25.3	25.3	23.3	21.4	17.5	16.9	16.9
117.5°	14.9	16.2	19.4	21.4	22.7	22.0	20.1	18.2	15.6	14.9	14.9
120°	13.6	14.9	17.5	19.4	19.4	18.8	17.5	15.6	13.6	13.0	13.6
122.5°	12.3	13.6	15.6	16.9	16.9	16.9	15.6	13.6	11.7	11.7	12.3
125°	11.7	12.3	14.3	14.9	15.6	14.9	13.6	11.7	10.4	11.0	11.0
127.5°	11.0	11.7	13.0	13.6	13.6	13.0	11.7	10.4	9.1	9.7	10.4
130°	10.4	11.0	11.7	12.3	12.3	11.7	10.4	9.1	8.4	9.1	9.1
132.5°	9.1	9.7	10.4	11.0	10.4	10.4	9.1	7.8	7.8	8.4	8.4
135°	8.4	9.1	9.1	9.7	9.1	9.1	7.8	7.1	7.1	7.8	7.8
137.5°	7.8	8.4	8.4	8.4	7.8	7.8	7.1	6.5	6.5	6.5	7.1
140°	7.1	7.1	7.1	7.1	6.5	6.5	5.8	5.2	5.8	5.8	5.8
142.5°	6.5	6.5	6.5	5.8	5.8	5.2	4.5	4.5	5.2	5.2	5.2
145°	5.2	5.2	5.2	4.5	4.5	3.9	3.9	3.9	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	3.9	3.2	3.2	3.2	3.2	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.2	2.6	2.6	1.9	2.6	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	2.6	2.6	2.6	2.6
155°	2.6	2.6	3.2	2.6	1.9	0.6	1.3	1.9	1.9	1.9	1.9
157.5°	2.6	2.6	2.6	1.9	1.3	0.6	1.3	1.3	1.9	1.3	1.9
160°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
162.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	0.6	0.6	0.6
165°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)