

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: P415709

Luminaire Tested: **LXF.LXT-PA1-50-830-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415709  
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-PA1-50-830-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA 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: 4772 lumens  
Efficiency: N/A  
Efficacy: 88.4 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

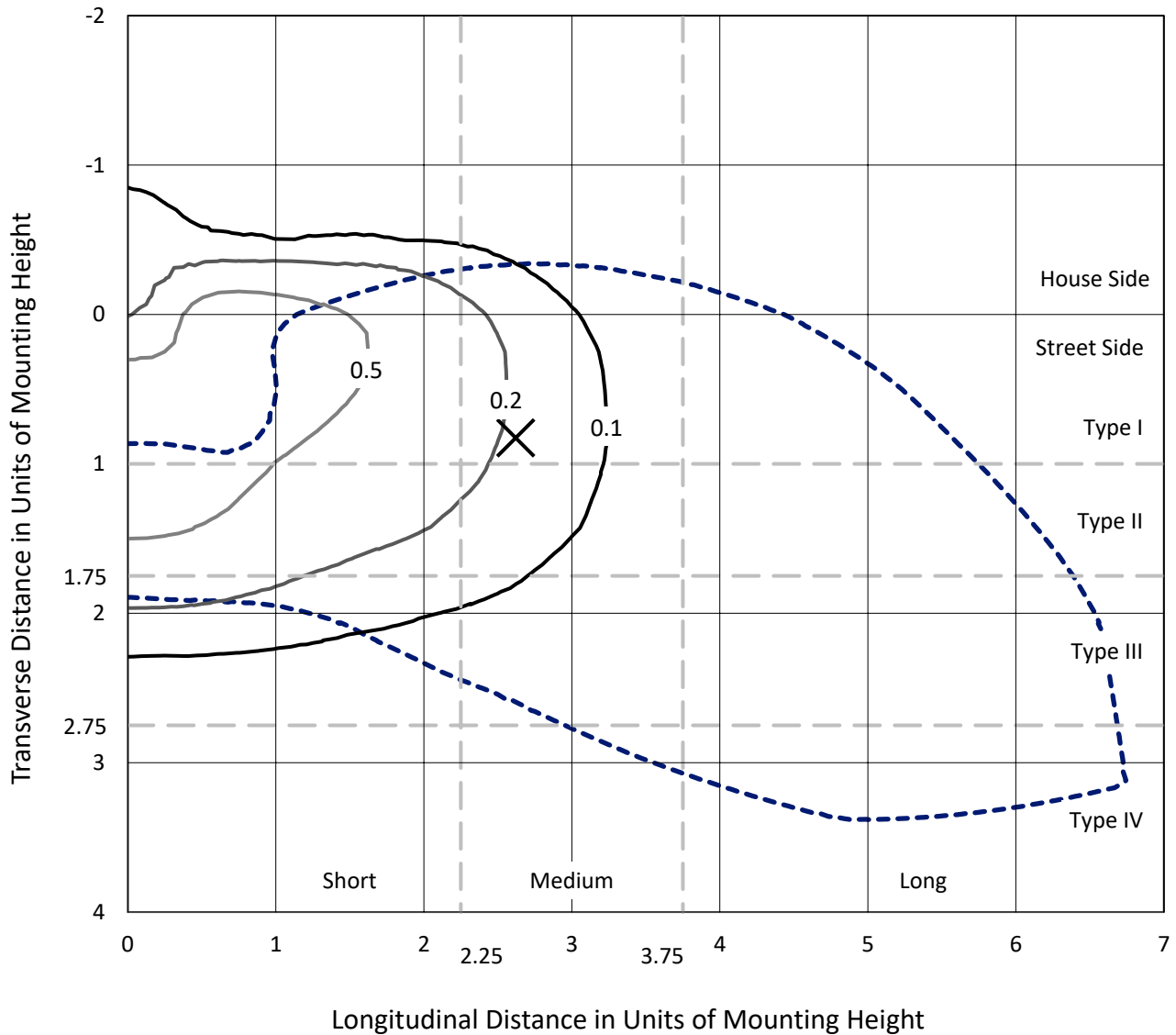
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

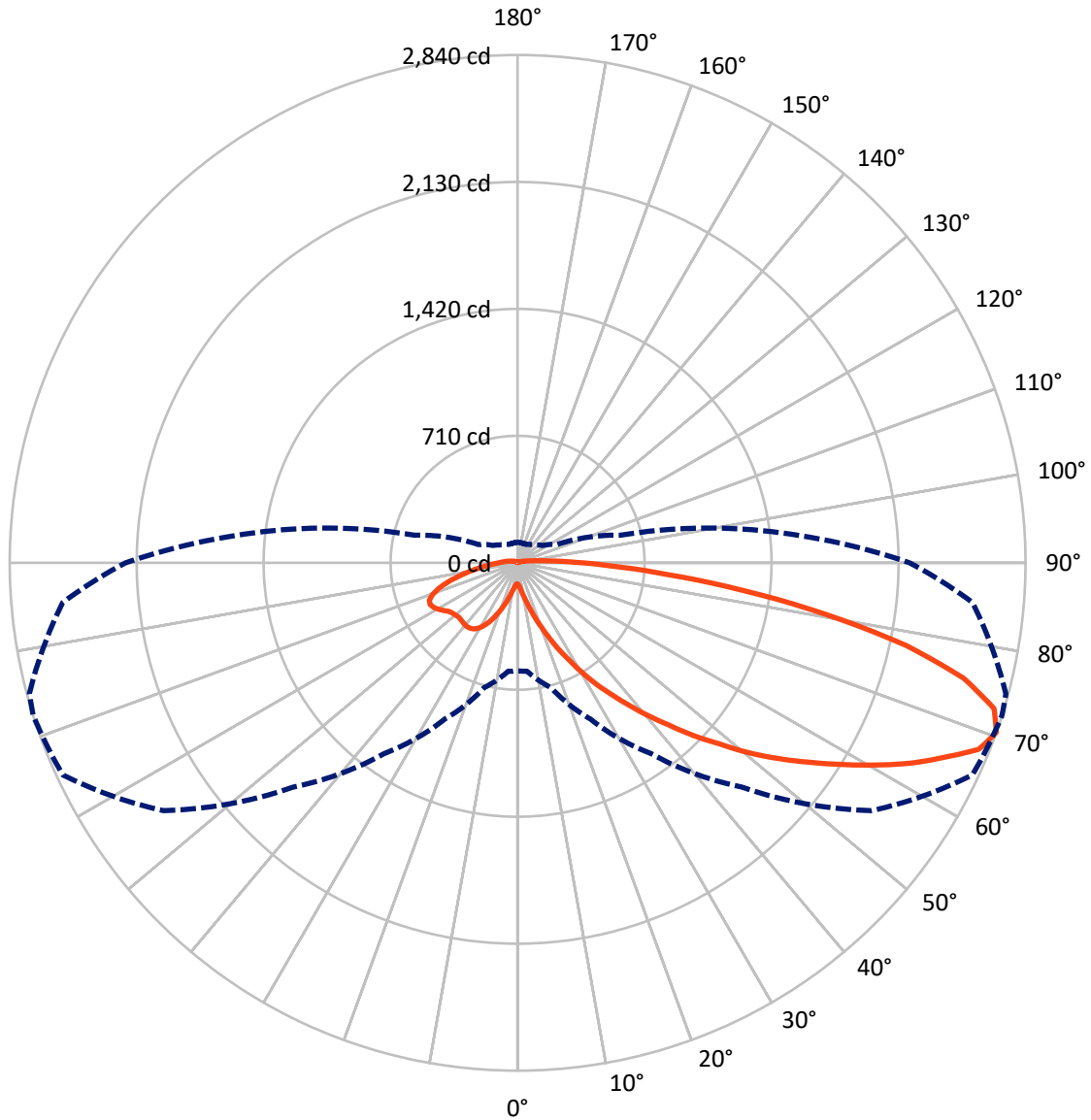


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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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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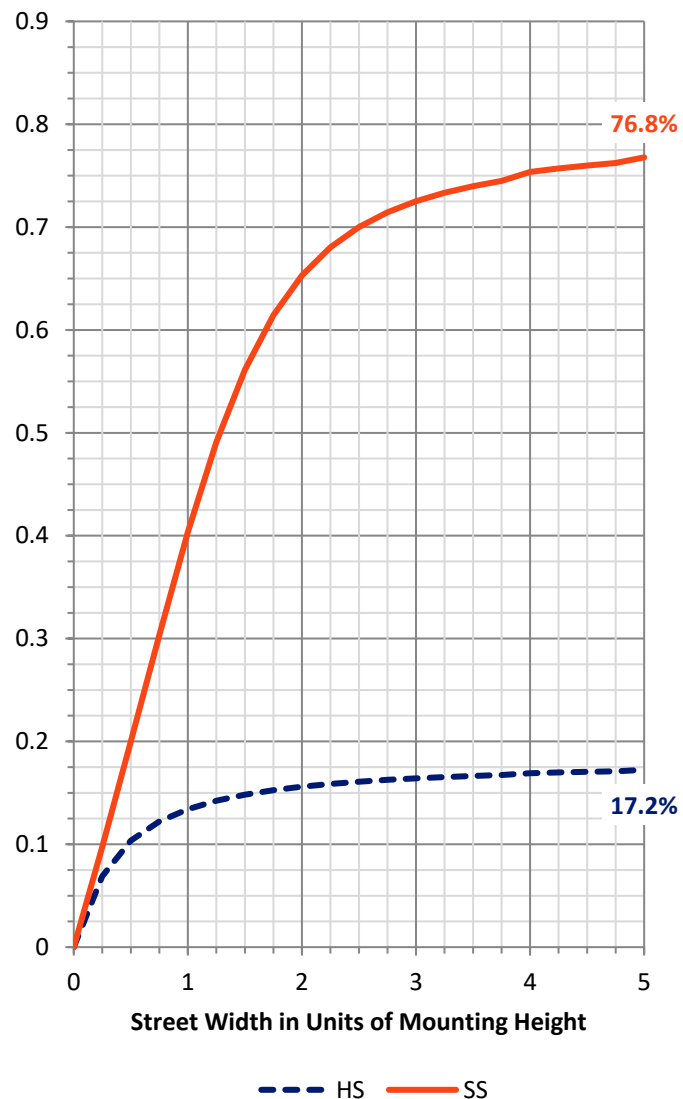
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	857.9	77.8	935.7
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	3746.5	89.8	3836.3
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	4604.3	167.7	4772.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	64.6	1.4
20°-30°	180.3	3.8
30°-40°	373.7	7.8
40°-50°	645.6	13.5
50°-60°	953.4	20.0
60°-70°	1125.3	23.6
70°-80°	893.0	18.7
80°-90°	355.0	7.4
90°-100°	93.8	2.0
100°-110°	36.2	0.8
110°-120°	17.6	0.4
120°-130°	10.0	0.2
130°-140°	5.9	0.1
140°-150°	2.8	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4604.3	96.5
0°-180°	4772.0	100.0

**Coefficient of Utilization**



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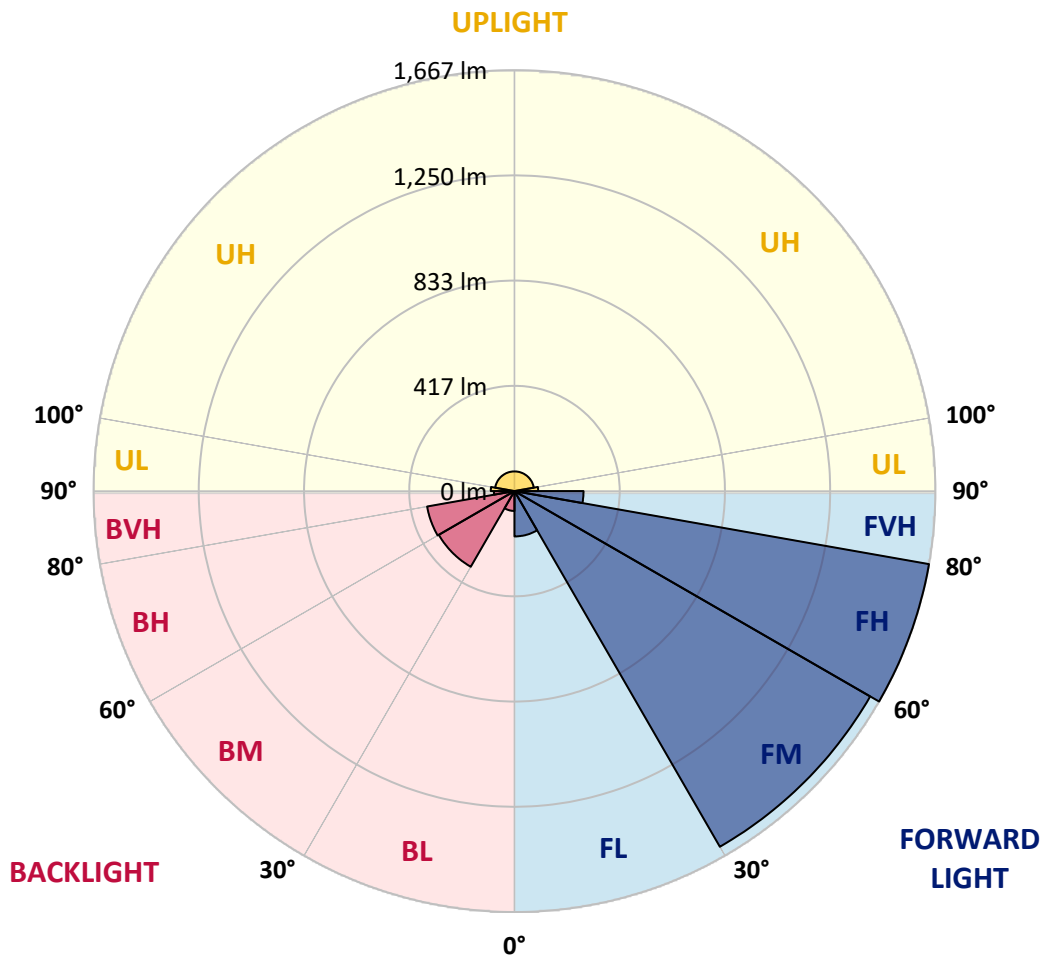
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-SL3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.6	3.8			
FM (30°-60°)	1626.5	34.1			
FH (60°-80°)	1666.9	34.9			G1/1800
FVH (80°-90°)	273.4	5.7			G3/500
BL (0°-30°)	78.7	1.6	B0/110		
BM (30°-60°)	346.2	7.3	B1/1000		
BH (60°-80°)	351.4	7.4	B1/500		G1/500
BVH (80°-90°)	81.6	1.7			G1/100
UL (90°-100°)	93.8	2.0		U3/500	
UH (100°-180°)	77.8	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°	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
2.5°	134.1	134.7	134.1	134.1	133.0	132.4	129.1	126.8	125.1	124.0	122.3
5°	155.4	156.5	156.0	156.0	153.2	151.5	147.6	143.1	139.7	139.2	134.1
7.5°	184.0	183.5	181.2	180.7	179.6	176.7	171.1	164.4	161.0	159.9	152.6
10°	219.4	216.6	217.7	213.8	211.5	207.0	202.0	196.9	190.2	190.2	180.1
12.5°	254.7	260.9	259.2	253.6	249.1	241.8	235.7	234.0	226.1	227.2	217.7
15°	312.5	312.0	306.9	303.0	294.0	285.0	279.4	275.5	273.3	271.6	260.9
17.5°	373.7	370.3	366.4	354.6	341.7	333.9	328.8	324.9	327.7	327.1	314.2
20°	444.4	440.5	434.8	413.5	396.7	384.3	381.5	386.0	387.7	392.2	379.3
22.5°	522.9	521.3	507.8	483.7	455.0	438.8	436.0	446.6	459.5	461.8	452.8
25°	617.2	615.0	596.4	561.7	524.1	499.4	499.4	516.2	537.5	542.6	538.1
27.5°	718.2	712.6	688.5	645.8	594.2	562.2	558.3	588.6	618.3	632.9	627.3
30°	834.3	833.2	793.4	741.2	679.5	628.4	626.7	671.1	713.2	719.9	721.0
32.5°	953.9	963.4	917.4	839.4	764.8	704.7	701.9	751.9	810.2	822.0	822.0
35°	1091.9	1092.5	1035.8	958.3	856.2	787.8	779.9	839.4	904.5	920.8	929.7
37.5°	1231.0	1227.7	1176.6	1070.0	955.5	873.1	865.8	935.9	1010.0	1036.3	1034.7
40°	1367.9	1377.5	1313.0	1195.1	1057.1	973.5	955.5	1038.0	1123.3	1153.0	1141.3
42.5°	1515.5	1513.3	1455.5	1324.2	1170.4	1070.6	1059.9	1145.2	1240.0	1273.7	1263.0
45°	1644.6	1643.4	1580.6	1449.3	1278.7	1182.8	1168.2	1258.5	1377.5	1408.9	1387.0
47.5°	1763.5	1760.7	1695.6	1562.1	1373.6	1290.0	1291.1	1383.7	1509.9	1561.5	1527.9
50°	1855.5	1846.0	1805.0	1660.8	1476.2	1402.7	1424.1	1532.9	1667.6	1714.1	1677.7
52.5°	1904.9	1890.3	1858.3	1729.9	1573.3	1514.4	1555.4	1684.4	1817.4	1861.7	1821.9
55°	1881.4	1881.4	1863.4	1771.9	1642.3	1616.5	1699.0	1829.2	1967.8	2016.6	1981.2
57.5°	1786.5	1801.1	1809.5	1760.7	1690.0	1717.5	1848.2	1994.1	2127.1	2181.0	2134.4
60°	1620.4	1624.4	1686.1	1700.1	1709.1	1803.4	2003.1	2177.0	2296.6	2339.2	2286.5
62.5°	1385.3	1403.9	1479.0	1582.8	1681.0	1874.6	2165.8	2361.1	2468.8	2497.4	2420.6
65°	1123.9	1119.4	1258.5	1414.0	1603.6	1895.4	2297.1	2539.5	2623.1	2661.3	2527.7
67.5°	852.3	849.5	978.0	1205.8	1472.3	1873.5	2403.7	2691.0	2783.0	2784.2	2595.1
70°	604.3	608.8	722.7	964.5	1302.9	1773.6	2416.6	2806.6	2840.3	2826.8	2554.1
72.5°	410.2	413.5	521.8	739.0	1078.4	1612.0	2308.9	2794.3	2786.4	2748.8	2385.8
75°	264.3	286.7	367.0	561.7	873.1	1379.2	2099.6	2617.5	2576.5	2514.3	2093.4
77.5°	182.4	193.6	255.3	409.0	682.3	1139.0	1802.8	2262.3	2219.7	2143.4	1687.8
80°	123.4	128.5	175.6	305.8	537.0	895.5	1468.9	1821.3	1747.8	1669.3	1265.8
82.5°	82.5	92.0	126.2	219.4	406.2	691.3	1117.1	1391.0	1274.2	1206.4	889.3
85°	55.0	60.0	89.8	159.4	294.0	503.3	804.0	944.9	842.2	782.2	568.4
87.5°	37.0	41.5	64.0	113.9	217.7	365.8	538.7	610.5	528.0	490.4	344.0
90°	24.7	27.5	47.1	81.9	153.7	255.3	363.6	377.1	323.8	300.7	210.4
92.5°	17.4	20.2	35.3	60.6	107.7	177.3	233.4	228.4	190.8	179.6	135.8
95°	13.5	15.7	27.5	46.6	78.6	121.8	152.1	139.2	120.6	116.7	93.7
97.5°	11.8	12.9	23.0	37.6	59.5	86.4	98.8	94.3	81.4	79.1	68.5
100°	10.7	11.8	20.2	32.5	47.7	63.4	70.7	65.6	58.9	57.2	50.5
102.5°	10.1	10.7	18.0	28.1	39.3	49.9	54.4	48.8	43.8	43.2	38.7
105°	9.5	10.1	15.7	24.1	33.1	41.0	42.6	38.2	34.2	32.5	29.2
107.5°	9.0	9.0	14.0	21.3	28.6	34.2	35.3	30.9	26.4	25.2	23.0
110°	8.4	9.0	12.9	19.1	25.2	29.7	29.7	25.2	20.8	19.6	18.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	8.4	8.4	11.8	16.8	22.4	25.8	25.2	20.8	16.8	15.1	15.1
115°	7.9	8.4	11.2	15.7	20.2	22.4	21.3	17.4	13.5	12.3	12.9
117.5°	7.9	8.4	10.1	14.0	18.0	19.6	18.5	14.6	11.2	10.7	11.8
120°	7.9	8.4	10.1	12.9	15.7	17.4	16.3	12.3	10.1	9.5	10.7
122.5°	8.4	8.4	9.5	11.8	14.6	15.7	14.0	10.7	9.0	8.4	9.5
125°	8.4	8.4	9.5	11.2	13.5	14.0	12.3	9.5	7.9	7.9	9.0
127.5°	8.4	8.4	9.5	10.7	12.3	12.3	11.2	8.4	7.3	7.3	8.4
130°	8.4	8.4	9.0	10.1	11.2	11.2	9.5	7.3	6.7	6.7	7.9
132.5°	9.0	9.0	9.0	9.5	10.1	10.1	8.4	6.7	6.2	6.2	7.9
135°	8.4	8.4	8.4	9.0	9.0	9.0	7.3	6.2	5.6	6.2	7.3
137.5°	7.9	7.9	8.4	8.4	8.4	7.9	6.2	5.0	5.0	5.6	6.7
140°	7.9	7.3	7.9	7.9	7.3	6.7	5.6	4.5	4.5	5.0	5.6
142.5°	6.7	6.7	6.7	6.7	6.2	5.6	4.5	3.9	4.5	4.5	5.0
145°	6.2	6.2	6.2	5.6	5.6	4.5	3.4	3.4	3.4	3.9	4.5
147.5°	5.0	5.0	5.0	5.0	4.5	3.9	2.2	2.8	2.8	2.8	3.4
150°	3.9	3.9	4.5	3.9	3.4	2.8	1.7	2.2	2.8	2.8	2.8
152.5°	3.4	3.4	3.4	3.4	2.8	1.7	1.7	2.2	2.2	2.2	2.8
155°	2.2	2.2	2.2	2.2	1.7	1.1	1.7	1.7	2.2	2.2	2.2
157.5°	1.1	1.1	1.7	1.7	1.1	1.1	1.1	1.7	1.7	1.7	1.7
160°	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
162.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
165°	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
167.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
170°	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
172.5°	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
175°	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
177.5°	0.0	0.6	1.1	1.1	1.7	1.1	1.1	1.1	1.1	1.1	1.7
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
2.5°	121.2	120.1	117.8	115.6	113.9	112.2	111.1	109.4	108.3	108.3	108.3
5°	130.7	129.6	124.0	118.4	113.3	108.9	105.5	101.6	99.9	98.2	98.8
7.5°	149.8	145.9	136.9	127.4	119.0	110.0	103.2	97.6	94.3	92.0	92.0
10°	175.6	169.5	156.0	141.4	127.4	114.5	104.4	96.5	90.9	88.7	88.7
12.5°	208.7	202.6	181.8	159.9	138.6	120.1	107.2	97.1	90.9	88.1	88.1
15°	253.1	242.4	214.3	182.9	152.1	126.8	110.0	101.6	97.6	95.9	95.9
17.5°	305.8	290.1	253.6	206.5	165.5	133.5	117.3	109.4	106.0	105.5	105.5
20°	367.5	347.9	292.9	230.0	176.2	142.0	123.4	116.7	115.6	116.1	116.1
22.5°	437.7	409.0	333.3	251.4	186.3	147.0	127.9	122.3	123.4	126.2	125.7
25°	511.7	481.4	377.6	270.4	193.0	149.3	130.7	127.4	131.9	135.2	135.2
27.5°	598.1	551.0	418.0	283.9	194.7	147.6	131.3	129.6	135.8	140.8	142.0
30°	686.2	625.6	452.8	292.3	191.3	143.6	129.1	130.2	137.5	144.2	144.8
32.5°	775.4	696.3	481.4	294.0	185.7	138.6	126.8	129.1	136.9	144.2	145.3
35°	864.1	762.5	500.5	287.8	176.7	133.5	122.9	126.8	134.7	143.1	144.2
37.5°	951.1	825.4	512.3	277.7	167.8	129.1	120.1	124.0	131.9	141.4	142.5
40°	1045.9	892.7	519.0	266.0	158.8	125.1	118.4	122.3	130.2	139.2	140.8
42.5°	1132.9	954.4	519.6	251.4	152.1	123.4	117.3	120.6	127.9	137.5	139.2
45°	1246.2	1017.8	519.6	239.0	147.6	122.9	117.3	120.1	126.8	136.9	139.2
47.5°	1353.4	1090.8	520.7	228.4	145.3	124.0	118.4	119.5	125.1	136.9	139.2
50°	1477.9	1160.9	529.7	220.5	144.8	126.2	120.1	119.0	123.4	135.8	138.6
52.5°	1601.9	1253.5	540.9	214.9	145.9	128.5	121.2	119.0	121.8	133.0	136.3
55°	1737.7	1341.6	553.2	215.5	148.1	130.7	122.9	118.4	119.5	128.5	131.9
57.5°	1873.5	1444.8	580.2	218.8	150.9	133.5	124.6	118.4	116.7	123.4	126.2
60°	1992.4	1535.7	608.2	226.1	154.9	136.3	125.7	117.8	114.5	118.4	120.6
62.5°	2118.1	1635.0	630.7	232.3	159.4	138.6	125.7	117.3	112.8	115.6	116.7
65°	2200.1	1693.9	642.5	240.1	163.8	140.3	126.2	116.1	112.2	113.9	115.0
67.5°	2242.1	1703.5	634.6	243.0	167.8	141.4	125.7	115.0	112.8	113.9	115.0
70°	2192.2	1640.1	597.0	241.3	168.9	141.4	124.6	113.9	112.8	114.5	115.0
72.5°	2011.5	1487.5	541.5	232.9	167.2	139.2	122.9	112.2	112.2	115.0	115.0
75°	1732.1	1268.1	468.5	219.9	162.7	135.8	119.5	109.4	110.5	114.5	114.5
77.5°	1387.0	1003.2	386.0	201.4	154.3	130.2	115.0	105.5	108.3	112.8	112.2
80°	1032.4	747.4	310.8	180.7	143.1	122.3	108.9	101.0	104.9	108.9	107.7
82.5°	687.9	524.6	245.8	158.8	131.3	114.5	102.1	94.8	99.9	103.8	102.1
85°	446.6	349.6	190.2	136.9	119.0	105.5	93.7	88.1	93.1	96.5	94.8
87.5°	278.3	234.5	144.8	116.7	106.0	95.4	86.4	80.2	85.3	88.7	86.4
90°	184.0	157.1	113.9	101.0	94.3	85.8	77.4	72.9	78.0	79.1	77.4
92.5°	121.2	111.1	92.6	86.4	83.0	76.3	70.1	66.2	70.1	70.7	69.6
95°	87.0	84.2	76.3	75.2	73.5	67.9	62.8	59.5	61.7	62.3	60.0
97.5°	66.2	65.6	65.1	65.1	64.0	60.0	55.5	52.7	53.9	53.3	51.6
100°	51.6	52.7	54.4	55.5	55.0	52.2	48.8	46.6	47.1	44.9	43.2
102.5°	40.4	42.6	45.4	47.1	47.1	44.9	43.2	41.0	39.3	36.5	35.9
105°	32.0	33.7	37.6	40.4	40.4	39.3	37.6	34.8	33.1	29.7	29.7
107.5°	25.2	27.5	32.0	34.2	34.8	33.7	32.5	30.3	27.5	24.1	24.1
110°	20.2	21.9	26.9	29.2	29.7	29.2	28.1	25.2	22.4	20.2	20.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.8	18.5	22.4	24.7	25.8	25.2	24.1	21.3	18.5	16.8	16.8
115°	14.6	16.3	19.1	21.3	21.9	21.9	20.2	18.5	15.1	14.6	14.6
117.5°	12.9	14.0	16.8	18.5	19.6	19.1	17.4	15.7	13.5	12.9	12.9
120°	11.8	12.9	15.1	16.8	16.8	16.3	15.1	13.5	11.8	11.2	11.8
122.5°	10.7	11.8	13.5	14.6	14.6	14.6	13.5	11.8	10.1	10.1	10.7
125°	10.1	10.7	12.3	12.9	13.5	12.9	11.8	10.1	9.0	9.5	9.5
127.5°	9.5	10.1	11.2	11.8	11.8	11.2	10.1	9.0	7.9	8.4	9.0
130°	9.0	9.5	10.1	10.7	10.7	10.1	9.0	7.9	7.3	7.9	7.9
132.5°	7.9	8.4	9.0	9.5	9.0	9.0	7.9	6.7	6.7	7.3	7.3
135°	7.3	7.9	7.9	8.4	7.9	7.9	6.7	6.2	6.2	6.7	6.7
137.5°	6.7	7.3	7.3	7.3	6.7	6.7	6.2	5.6	5.6	5.6	6.2
140°	6.2	6.2	6.2	6.2	5.6	5.6	5.0	4.5	5.0	5.0	5.0
142.5°	5.6	5.6	5.6	5.0	5.0	4.5	3.9	3.9	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.9	3.9	3.4	3.4	3.4	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.4	2.8	2.8	2.8	2.8	3.4	3.4	3.4
150°	3.4	3.4	3.4	2.8	2.2	2.2	1.7	2.2	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.2	1.1	1.7	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.8	2.2	1.7	0.6	1.1	1.7	1.7	1.7	1.7
157.5°	2.2	2.2	2.2	1.7	1.1	0.6	1.1	1.1	1.7	1.1	1.7
160°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	1.1	1.1
162.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	0.6	0.6	0.6
165°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)