

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: P415680

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4414 lumens  
Efficiency: N/A  
Efficacy: 81.7 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

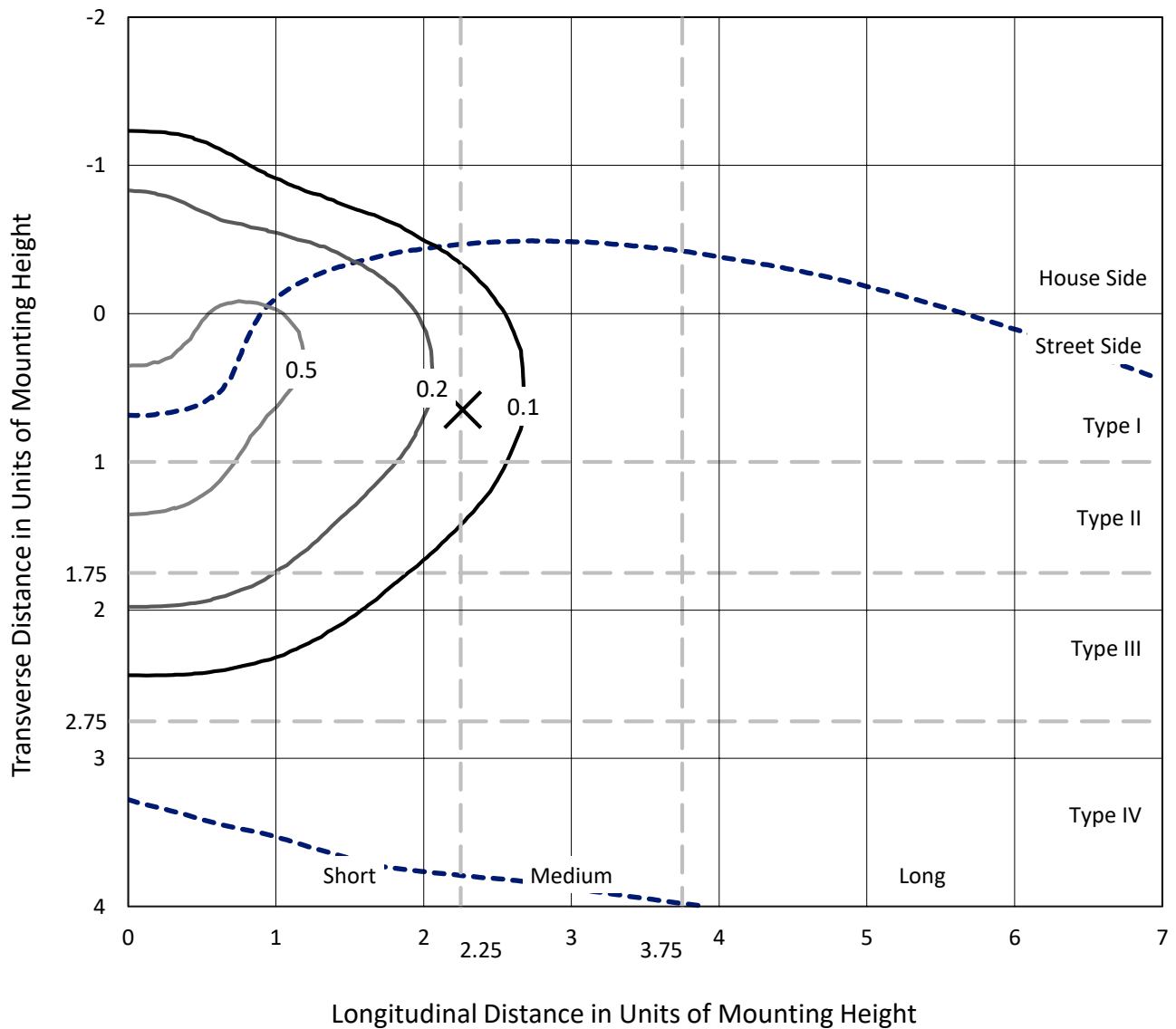
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

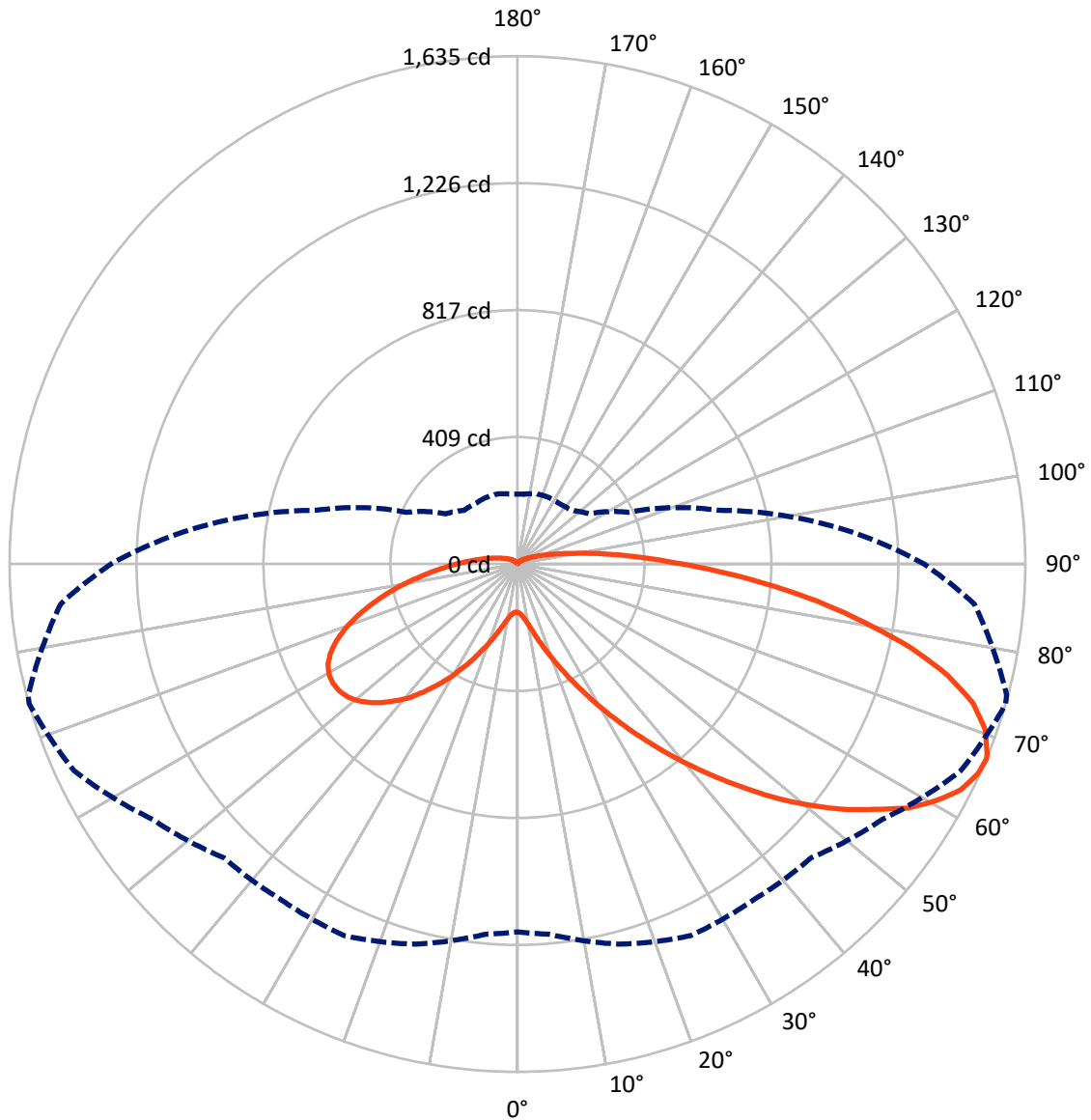
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1064.0	131.6	1195.6
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	2989.3	229.1	3218.4
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	4053.3	360.7	4414.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.4	0.4
10°-20°	67.7	1.5
20°-30°	171.5	3.9
30°-40°	344.0	7.8
40°-50°	577.5	13.1
50°-60°	810.2	18.4
60°-70°	905.5	20.5
70°-80°	738.8	16.7
80°-90°	421.7	9.6
90°-100°	192.7	4.4
100°-110°	88.2	2.0
110°-120°	43.5	1.0
120°-130°	22.1	0.5
130°-140°	10.3	0.2
140°-150°	3.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4053.3	91.8
0°-180°	4414.0	100.0

**Coefficient of Utilization**



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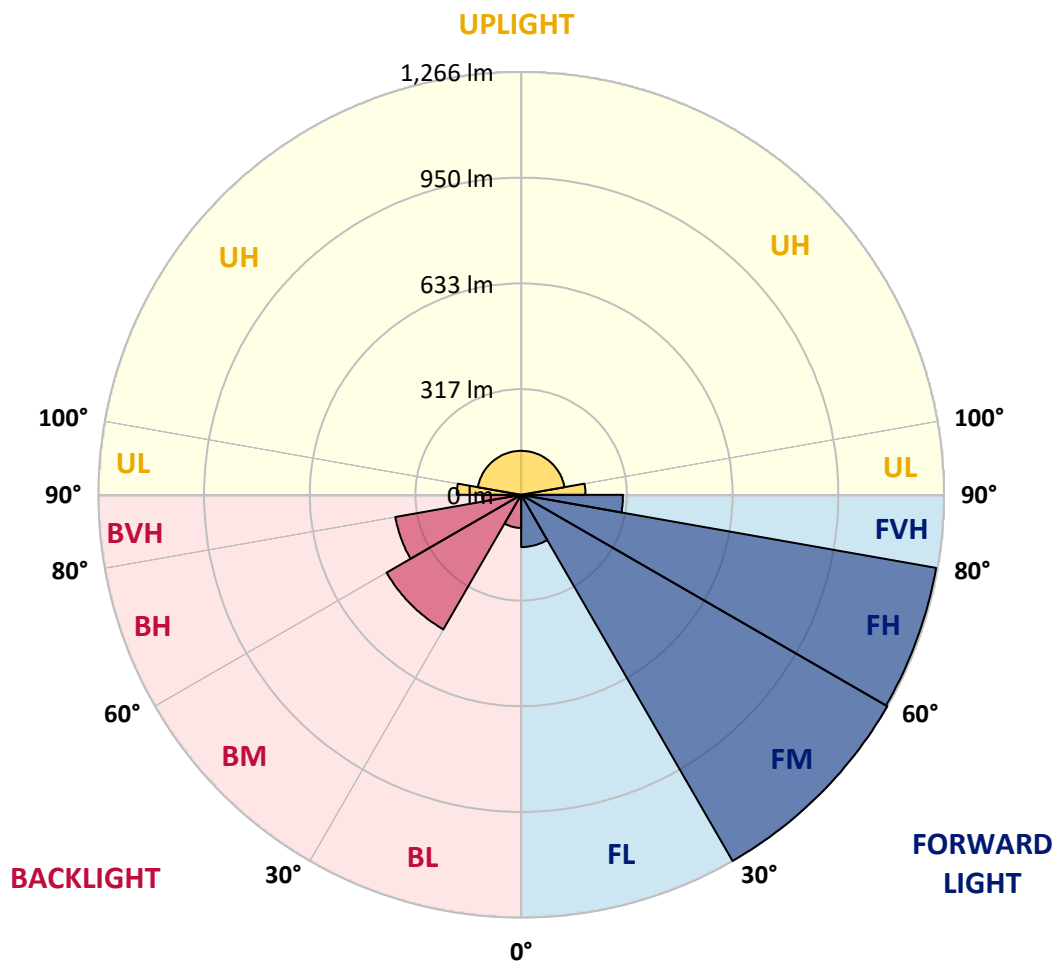
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.4	3.5			
FM	(30°-60°)	1266.2	28.7			
FH	(60°-80°)	1261.7	28.6			G1/1800
FVH	(80°-90°)	304.9	6.9			G3/500
BL	(0°-30°)	99.2	2.2	B0/110		
BM	(30°-60°)	465.5	10.5	B1/1000		
BH	(60°-80°)	382.6	8.7	B1/500		G1/500
BVH	(80°-90°)	116.8	2.6			G2/225
UL	(90°-100°)	192.7	4.4		U3/500	
UH	(100°-180°)	131.6	3.0		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°	74°	75°	85°
0°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7
2.5°	169.2	168.2	168.2	167.1	166.6	164.5	163.0	160.9	159.9	159.3	157.8
5°	184.8	183.2	183.2	182.2	180.1	177.5	173.9	171.8	168.2	168.7	164.0
7.5°	203.5	202.9	201.9	199.8	197.2	194.1	190.5	185.8	181.7	181.7	175.9
10°	228.4	225.3	225.3	222.7	220.1	215.4	210.2	205.0	199.3	198.8	191.0
12.5°	258.5	258.0	254.8	251.2	247.1	242.4	234.1	228.9	223.2	222.7	214.4
15°	293.8	292.2	288.1	286.5	280.3	272.0	265.2	260.0	254.3	252.2	241.3
17.5°	335.3	333.2	331.7	323.9	318.7	311.9	304.1	297.4	287.5	286.5	274.6
20°	384.1	379.4	374.7	368.5	360.2	354.0	345.7	339.4	328.0	328.0	311.9
22.5°	435.5	434.4	430.3	419.9	408.5	402.2	394.5	382.0	372.7	370.1	352.4
25°	497.7	496.7	488.4	477.5	465.6	456.2	443.8	430.3	422.5	422.0	402.2
27.5°	568.3	569.9	555.4	541.3	525.3	510.2	496.7	490.0	479.6	478.0	455.2
30°	653.5	646.7	631.7	611.4	589.1	569.9	555.9	549.1	542.4	541.9	514.4
32.5°	740.1	732.3	719.4	691.3	660.2	630.6	623.9	618.2	610.4	606.2	578.7
35°	836.2	829.9	811.2	774.4	732.9	700.7	686.7	687.7	684.1	682.0	648.8
37.5°	942.0	931.1	905.7	869.9	808.6	773.9	757.8	766.6	764.5	760.4	725.6
40°	1041.7	1040.1	1013.1	957.6	895.8	846.5	835.6	850.7	848.1	842.9	804.5
42.5°	1156.9	1145.5	1115.4	1053.1	978.4	923.9	911.9	934.2	937.4	938.4	887.0
45°	1255.5	1250.3	1221.8	1150.2	1064.0	1004.8	995.0	1018.8	1029.2	1030.3	973.7
47.5°	1351.5	1349.5	1320.4	1246.2	1147.6	1084.8	1071.8	1106.0	1127.8	1123.2	1056.2
50°	1423.7	1427.3	1404.0	1333.4	1230.6	1155.9	1159.0	1201.0	1221.3	1218.7	1144.5
52.5°	1485.5	1480.3	1470.4	1403.4	1296.5	1228.0	1231.6	1282.0	1312.1	1310.5	1228.0
55°	1508.3	1506.7	1507.8	1453.3	1350.5	1287.2	1298.1	1369.2	1394.1	1391.0	1296.0
57.5°	1503.6	1502.6	1518.7	1482.9	1394.1	1333.9	1358.8	1440.8	1481.8	1477.7	1367.6
60°	1468.3	1463.7	1498.4	1485.5	1411.7	1363.0	1406.6	1503.6	1547.7	1546.7	1426.3
62.5°	1388.9	1396.2	1444.4	1456.4	1406.6	1378.0	1435.1	1552.4	1601.7	1598.1	1468.3
65°	1278.4	1296.5	1354.7	1396.2	1371.3	1364.5	1445.5	1574.2	1628.7	1628.2	1483.4
67°	1183.9	1196.4	1266.9	1319.9	1321.4	1337.0	1433.5	1574.7	1634.9	1630.3	1476.1
67.5°	1150.7	1167.3	1238.9	1303.3	1310.0	1329.2	1428.9	1573.7	1630.8	1628.2	1472.5
70°	1000.2	1019.4	1097.7	1178.7	1220.2	1261.8	1386.3	1544.6	1597.6	1591.9	1430.4
72.5°	847.6	874.6	948.8	1044.8	1105.5	1174.0	1312.6	1472.0	1534.2	1522.3	1348.4
75°	701.2	719.4	791.5	895.3	974.2	1067.1	1211.9	1373.9	1429.9	1420.1	1244.1
77.5°	559.0	575.6	645.1	749.5	838.7	943.1	1094.1	1250.9	1294.4	1288.7	1111.8
80°	441.2	453.1	520.1	613.0	704.8	816.4	959.7	1099.8	1128.4	1132.5	965.9
82.5°	339.4	355.0	413.1	495.2	581.8	688.2	812.8	936.8	968.5	958.1	816.4
85°	259.5	272.5	324.4	393.9	480.6	570.4	681.5	783.2	797.2	785.3	661.8
87.5°	202.9	212.8	253.3	320.8	389.8	466.6	555.4	633.2	640.5	638.4	529.9
90°	157.3	166.1	199.8	253.3	316.6	382.5	452.1	506.6	502.9	506.0	417.8
92.5°	123.5	128.2	158.8	206.1	259.0	311.9	364.9	401.2	400.7	391.9	325.9
95°	100.2	102.8	129.2	168.7	211.2	253.3	292.7	316.1	315.0	305.7	254.3
97.5°	81.0	82.5	105.4	138.6	174.4	207.1	235.6	252.2	243.9	240.3	199.3
100°	66.4	67.5	87.2	115.7	145.3	173.4	193.6	200.3	188.9	186.8	156.7
102.5°	56.6	57.1	73.7	98.1	121.5	142.7	157.8	160.9	147.4	148.4	123.5
105°	48.3	48.8	61.8	83.6	103.3	119.4	130.3	128.7	117.8	116.3	98.6
107.5°	42.0	42.6	52.9	71.6	88.8	102.2	108.0	104.3	94.5	92.4	79.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	36.9	37.4	45.7	61.2	76.3	87.7	90.8	85.1	76.3	74.2	65.4
112.5°	33.2	33.2	40.0	52.9	66.4	75.8	76.8	71.1	61.2	60.2	54.5
115°	30.1	30.1	35.3	45.7	57.6	64.9	64.9	58.1	50.3	49.8	45.7
117.5°	27.5	27.5	31.1	40.0	49.8	56.1	55.0	48.8	42.0	41.5	39.4
120°	25.4	25.4	28.0	34.8	43.1	47.8	46.7	40.5	35.3	34.8	33.7
122.5°	23.4	23.9	25.4	30.6	37.4	41.0	40.0	34.8	30.1	29.6	29.6
125°	21.8	21.8	22.8	26.5	32.2	35.3	33.7	28.5	25.4	25.4	25.4
127.5°	20.2	20.2	20.8	23.4	27.5	29.6	28.0	23.9	22.3	21.8	22.3
130°	18.7	18.7	19.2	20.2	23.4	24.4	22.8	20.2	18.7	18.7	19.2
132.5°	17.1	17.1	17.1	17.6	19.2	20.2	18.7	16.6	16.1	16.1	16.6
135°	15.6	16.1	15.6	15.6	16.1	16.1	14.5	13.5	13.5	14.0	14.5
137.5°	14.0	14.0	13.5	13.0	13.0	12.5	11.4	10.9	11.4	11.4	11.9
140°	12.5	12.5	11.9	10.9	9.9	9.3	8.8	8.3	9.3	9.3	9.9
142.5°	10.9	10.9	9.9	8.8	7.3	6.2	5.7	6.2	7.3	7.3	7.8
145°	8.8	8.8	8.3	7.3	5.2	4.2	3.6	4.7	5.2	5.2	5.7
147.5°	7.3	6.7	6.2	5.2	3.6	2.6	2.1	3.1	3.6	3.6	4.2
150°	5.2	5.2	4.7	3.6	2.1	1.0	1.0	1.6	2.1	2.1	2.6
152.5°	3.6	3.6	3.1	2.1	1.0	0.0	0.5	1.0	1.0	1.0	1.6
155°	2.1	2.1	2.1	1.6	0.5	0.0	0.0	0.5	0.5	0.5	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7
2.5°	156.7	155.7	154.7	153.1	152.1	151.0	150.0	149.5	149.5	149.0	149.5
5°	162.5	160.9	157.8	155.2	152.1	150.0	147.9	146.9	145.8	145.3	145.3
7.5°	172.8	170.8	165.6	160.9	156.2	152.6	150.0	147.4	146.4	145.8	145.8
10°	187.9	184.8	177.0	170.2	163.5	158.8	154.2	151.6	150.0	149.0	149.0
12.5°	209.2	204.0	194.1	182.7	173.9	167.6	161.9	159.3	158.8	158.8	158.8
15°	237.7	230.4	215.4	201.9	188.9	178.0	173.9	173.9	173.4	172.8	173.4
17.5°	267.3	259.0	240.3	223.2	207.1	196.2	189.4	187.9	187.4	186.8	187.4
20°	302.6	292.2	270.4	247.1	226.8	216.4	207.1	202.9	202.4	202.9	201.9
22.5°	342.6	331.1	299.0	270.9	248.6	234.1	223.2	217.5	218.5	218.5	218.0
25°	390.8	373.2	335.3	297.4	270.4	250.2	237.7	232.0	232.5	233.6	234.6
27.5°	439.6	419.4	371.1	324.9	289.6	266.3	251.7	245.5	245.0	248.1	247.6
30°	496.7	470.8	410.5	352.9	307.3	277.7	262.6	257.4	256.9	259.5	260.0
32.5°	558.0	525.8	451.6	381.0	322.8	287.5	270.4	266.8	265.7	268.3	268.9
35°	624.9	583.9	491.5	405.4	335.8	294.3	276.6	272.5	270.9	273.5	274.6
37.5°	689.8	642.0	532.5	427.2	346.2	298.4	279.2	276.1	274.0	275.6	276.1
40°	758.3	707.4	574.0	446.9	352.4	300.5	280.3	277.2	275.1	275.1	275.1
42.5°	833.6	767.6	607.8	460.9	356.1	300.0	279.2	275.6	273.0	270.9	270.9
45°	910.9	832.5	642.6	472.3	356.6	297.4	276.6	273.5	269.4	265.2	264.7
47.5°	986.1	891.2	673.2	478.5	355.0	293.8	273.0	268.9	265.2	259.0	259.0
50°	1059.3	949.8	698.6	481.7	350.3	289.6	269.4	265.2	260.6	252.2	251.2
52.5°	1126.3	1003.3	717.8	480.6	343.6	283.9	264.7	261.1	255.4	245.5	245.5
55°	1192.2	1052.6	729.7	473.9	335.3	277.7	260.6	256.9	250.7	240.3	239.3
57.5°	1246.2	1087.9	734.4	463.5	325.9	270.9	256.4	252.8	247.1	235.6	235.6
60°	1291.9	1117.5	731.3	450.0	315.6	264.7	251.2	249.1	243.9	233.0	233.0
62.5°	1318.3	1129.4	719.4	432.9	303.6	258.0	246.5	245.5	240.8	230.4	230.4
65°	1324.0	1121.6	695.0	411.6	291.7	250.2	241.3	240.8	237.7	227.9	226.8
67°	1308.5	1101.4	668.0	393.4	281.3	243.9	236.7	236.7	234.1	225.3	224.7
67.5°	1302.8	1093.6	660.7	388.8	279.2	242.9	235.6	236.2	233.6	224.7	223.2
70°	1252.9	1041.2	616.1	362.3	264.7	233.6	228.9	229.4	227.3	220.6	219.0
72.5°	1175.6	965.9	563.7	336.8	250.2	224.2	219.5	221.6	219.5	214.4	211.2
75°	1071.3	874.0	509.2	307.8	235.6	212.8	209.7	210.7	210.2	205.0	202.4
77.5°	948.3	772.8	451.0	280.8	219.5	201.4	198.3	199.8	198.8	194.1	191.0
80°	814.9	665.9	395.0	253.8	202.9	188.4	185.3	185.8	185.3	180.6	176.5
82.5°	684.1	561.1	337.9	227.3	186.8	174.4	170.8	170.2	169.2	164.0	160.9
85°	564.7	460.9	288.6	201.9	170.2	158.8	155.7	153.6	152.1	146.4	144.3
87.5°	450.0	376.8	243.9	180.1	153.6	144.3	140.1	136.5	133.9	128.7	126.6
90°	359.2	303.6	208.1	157.8	138.6	130.3	124.6	119.9	116.8	111.1	108.0
92.5°	284.9	241.9	174.9	138.6	124.0	116.8	111.6	105.9	101.7	94.5	92.9
95°	225.8	194.6	147.4	121.5	110.0	103.8	99.1	92.9	87.2	79.9	78.4
97.5°	178.5	158.8	124.0	106.4	97.1	91.9	87.2	81.0	74.7	67.5	66.4
100°	142.7	127.7	106.4	92.9	86.7	81.5	76.8	71.1	63.3	56.1	56.1
102.5°	114.7	104.8	89.3	81.5	76.3	72.1	68.0	62.3	54.0	46.2	46.2
105°	92.9	86.7	76.8	71.1	67.5	64.4	60.2	53.5	45.2	38.9	38.9
107.5°	76.3	71.6	65.9	61.8	59.7	56.6	52.9	46.2	38.4	32.7	32.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	63.3	60.2	56.1	54.5	52.9	50.3	46.2	40.0	32.2	28.0	28.0
112.5°	52.9	51.4	48.3	47.8	46.7	44.6	40.5	34.3	27.0	24.4	24.4
115°	45.2	44.1	42.0	42.0	41.0	39.4	35.3	29.6	23.4	20.8	21.3
117.5°	38.4	37.9	36.9	36.9	36.3	34.8	30.6	25.4	19.7	18.7	18.7
120°	33.7	33.2	32.7	32.2	32.2	30.1	26.5	21.3	17.1	16.6	16.6
122.5°	29.1	29.1	28.5	28.5	28.0	26.0	22.8	18.2	15.1	14.5	14.5
125°	25.4	25.4	24.9	24.9	24.4	22.8	19.7	15.6	13.0	13.0	13.0
127.5°	22.3	22.3	21.8	21.8	21.3	19.2	16.6	13.0	11.4	11.4	11.9
130°	19.7	19.7	19.2	18.7	18.2	16.6	13.5	10.9	9.9	10.4	10.4
132.5°	17.1	16.6	16.6	16.1	15.1	13.5	11.4	9.3	8.8	9.3	9.3
135°	14.5	14.5	14.0	13.5	12.5	11.4	9.3	7.8	7.8	8.3	8.3
137.5°	12.5	12.5	11.9	10.9	10.4	8.8	7.3	6.2	6.7	7.3	7.3
140°	9.9	10.4	9.9	8.8	7.8	6.7	5.7	5.2	5.7	6.2	6.7
142.5°	8.3	8.3	7.8	6.7	5.7	4.7	4.2	4.2	5.2	5.7	5.7
145°	6.2	6.2	5.7	5.2	3.6	3.1	2.6	3.6	4.2	4.7	4.7
147.5°	4.2	4.2	4.2	3.1	2.1	1.6	1.6	2.6	3.6	3.6	3.6
150°	2.6	2.6	2.6	2.1	1.0	0.5	1.0	2.1	2.6	3.1	3.1
152.5°	1.6	1.6	1.6	1.0	0.5	0.0	0.5	1.6	2.1	2.1	2.1
155°	1.0	1.0	1.0	0.5	0.5	0.0	0.5	1.0	1.6	1.6	1.6
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5	0.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)