

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: P415357

Luminaire Tested: **LXF.LXT-PA1-50-722-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415357  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-722-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4501 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

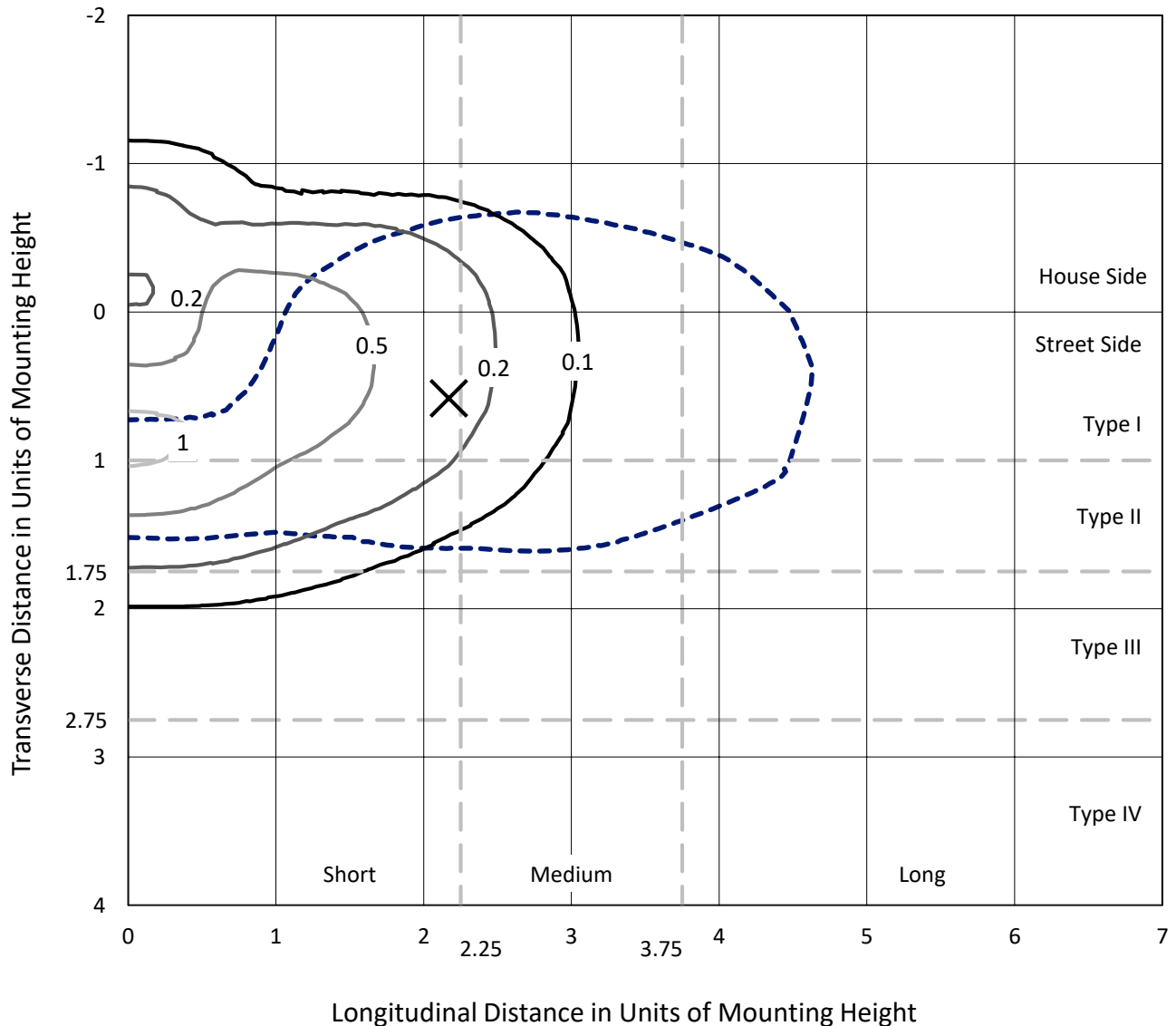
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

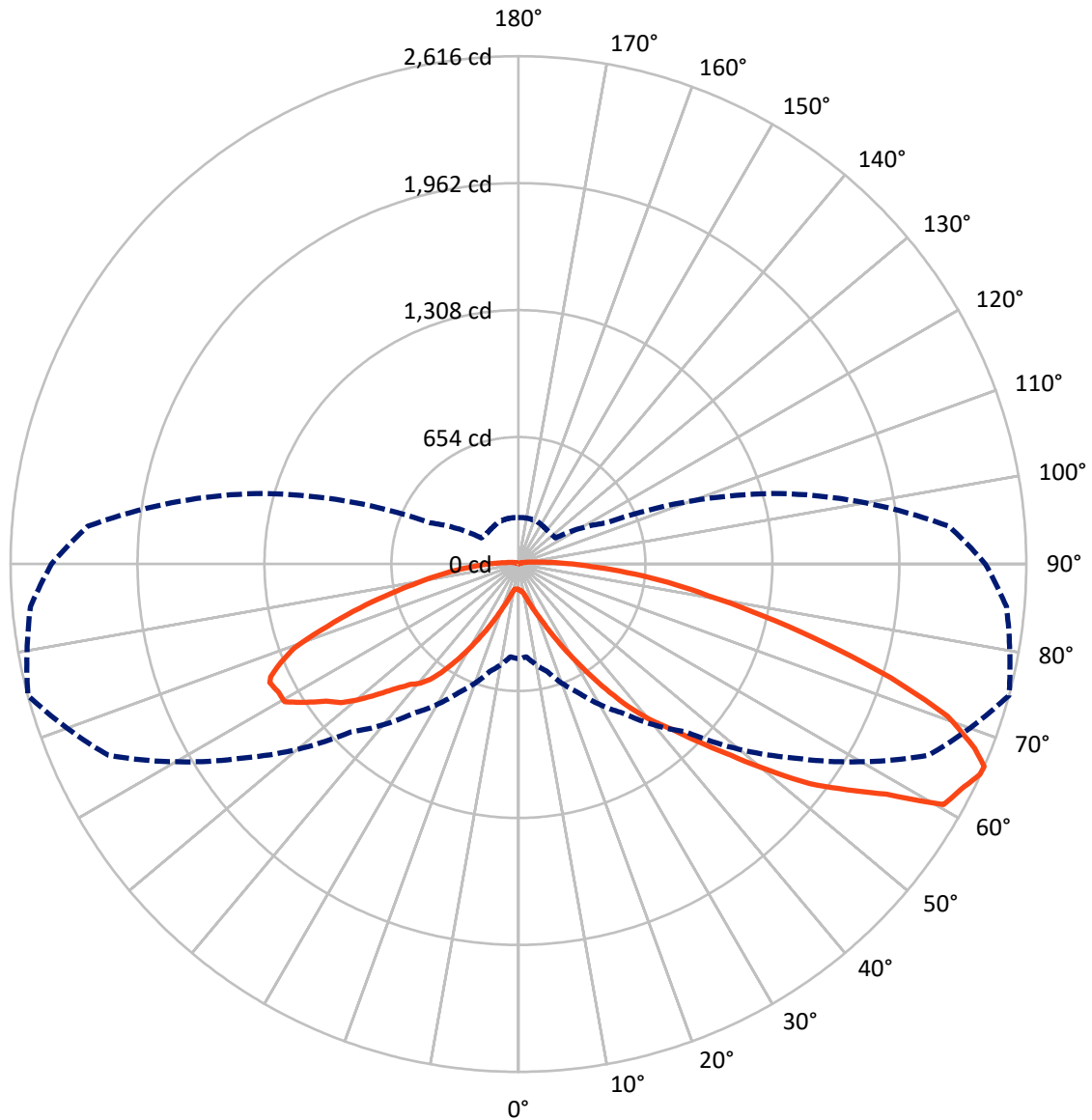
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1278.4	62.4	1340.8
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	3098.5	61.7	3160.2
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	4376.9	124.1	4501.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	56.5	1.3
20°-30°	171.5	3.8
30°-40°	424.3	9.4
40°-50°	766.2	17.0
50°-60°	1035.3	23.0
60°-70°	1039.2	23.1
70°-80°	627.7	13.9
80°-90°	242.7	5.4
90°-100°	72.1	1.6
100°-110°	26.0	0.6
110°-120°	12.6	0.3
120°-130°	7.4	0.2
130°-140°	4.4	0.1
140°-150°	1.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4376.9	97.2
0°-180°	4501.0	100.0



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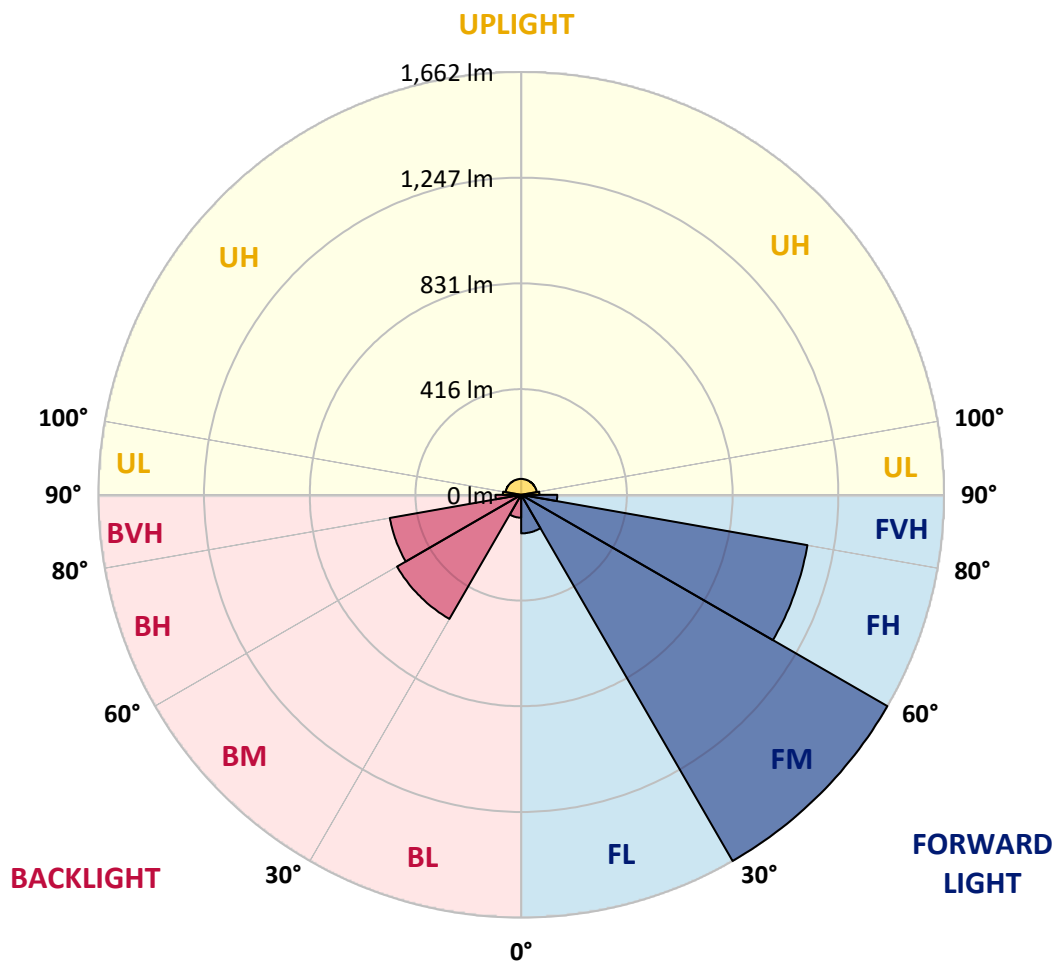
CATALOG NUMBER: LXF.LXT-PA1-50-722-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.6	3.4			
FM (30°-60°)	1662.3	36.9			
FH (60°-80°)	1142.8	25.4			G1/1800
FVH (80°-90°)	141.7	3.1			G2/225
BL (0°-30°)	89.9	2.0	B0/110		
BM (30°-60°)	563.5	12.5	B1/1000		
BH (60°-80°)	524.1	11.6	B2/1000		G2/1000
BVH (80°-90°)	100.9	2.2			G2/225
UL (90°-100°)	72.1	1.6		U3/500	
UH (100°-180°)	62.4	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	146.4	145.3	144.3	143.3	142.2	141.2	139.1	136.5	134.4	134.4	132.4
5°	159.9	158.8	157.3	155.2	153.1	151.0	146.9	142.7	138.6	138.6	135.0
7.5°	176.5	176.0	173.9	171.3	166.6	161.9	156.8	150.5	144.8	144.3	139.6
10°	197.8	196.7	193.6	190.0	184.8	178.6	171.3	163.5	155.2	154.7	149.0
12.5°	227.4	225.3	220.1	214.4	204.5	198.3	190.0	182.7	176.5	174.9	167.1
15°	265.8	263.2	257.5	247.6	234.6	223.2	218.5	210.7	204.0	201.9	194.6
17.5°	315.1	312.5	302.6	287.0	273.5	262.1	251.7	244.0	238.3	237.7	227.4
20°	382.6	376.3	360.2	338.4	320.8	306.8	292.2	283.4	277.7	275.6	269.4
22.5°	465.6	464.0	441.2	412.7	383.6	358.2	342.1	332.2	328.0	328.6	324.9
25°	571.5	566.8	545.0	503.5	459.9	427.7	405.4	399.2	398.6	395.0	393.5
27.5°	684.6	678.4	649.9	609.9	552.3	508.7	483.8	477.0	478.6	474.4	477.5
30°	823.2	820.1	778.6	720.5	658.2	601.1	575.1	569.4	573.0	578.2	575.1
32.5°	994.5	999.2	942.6	864.2	777.0	711.1	682.6	680.5	685.7	684.6	683.1
35°	1203.2	1211.5	1133.1	1038.1	918.2	839.8	804.0	801.4	811.8	810.8	811.8
37.5°	1426.4	1430.0	1366.2	1215.6	1076.0	967.5	937.9	934.8	944.7	939.0	933.3
40°	1602.4	1619.5	1544.7	1415.5	1233.3	1122.7	1086.9	1069.8	1061.0	1054.7	1013.2
42.5°	1769.0	1758.6	1705.6	1561.9	1394.7	1274.3	1226.5	1194.4	1165.8	1161.7	1116.0
45°	1878.0	1865.0	1814.6	1681.8	1525.0	1425.4	1381.2	1342.3	1310.1	1295.6	1240.6
47.5°	1884.2	1878.0	1866.0	1766.4	1629.3	1542.7	1528.1	1507.4	1472.1	1472.6	1402.0
50°	1789.2	1779.4	1814.1	1776.2	1681.2	1635.6	1690.6	1713.4	1668.3	1663.6	1590.4
52.5°	1621.0	1615.8	1679.2	1716.5	1682.8	1700.5	1831.3	1914.3	1879.0	1860.3	1765.9
55°	1450.8	1457.0	1512.0	1572.2	1627.8	1719.1	1955.8	2121.4	2051.9	2039.4	1921.6
57.5°	1218.8	1239.5	1321.5	1416.0	1503.2	1693.2	2021.2	2252.7	2235.1	2230.4	2129.7
60°	964.4	962.3	1083.8	1221.4	1364.6	1607.5	2024.9	2417.8	2515.9	2493.6	2351.4
62.5°	749.0	754.2	841.4	1013.7	1205.8	1477.3	1975.0	2491.5	2556.9	2531.5	2407.4
65°	542.4	550.7	657.1	796.2	1013.2	1301.3	1833.3	2391.3	2612.5	2596.9	2526.8
66°	487.4	480.1	573.6	731.4	937.4	1223.4	1744.1	2330.6	2615.6	2606.7	2523.2
67.5°	391.9	401.2	473.4	610.9	815.5	1099.4	1582.6	2233.5	2534.6	2522.7	2466.6
70°	290.2	299.0	348.3	458.3	618.7	876.7	1308.6	1929.4	2343.6	2352.4	2346.2
72.5°	214.9	224.2	258.0	337.4	457.8	651.9	1037.1	1626.2	2004.1	2024.9	2010.3
75°	167.1	170.8	198.8	254.3	334.8	459.4	767.2	1260.3	1631.4	1669.8	1683.3
77.5°	134.4	137.6	160.4	196.2	250.7	335.3	537.8	939.5	1291.4	1318.4	1343.9
80°	108.5	110.6	129.2	157.8	192.1	239.8	362.8	682.6	990.9	1006.5	1043.8
82.5°	87.2	88.8	102.3	126.7	153.6	182.2	258.0	476.5	778.1	792.6	839.8
85°	68.5	69.6	81.5	100.7	123.5	144.3	186.3	336.9	560.6	574.1	631.2
87.5°	54.0	55.0	64.4	78.4	99.7	114.2	137.6	226.8	378.4	397.6	462.5
90°	42.6	43.1	49.8	60.7	77.3	92.9	108.0	158.3	252.3	263.2	299.5
92.5°	32.2	32.7	37.9	46.2	60.2	73.7	82.5	109.5	161.4	166.1	192.1
95°	23.9	24.4	28.5	33.7	45.2	57.6	63.8	76.8	101.7	108.0	114.7
97.5°	18.7	19.2	21.8	24.9	33.2	45.2	50.9	56.6	69.6	71.6	76.8
100°	16.1	16.1	17.6	19.7	24.9	35.3	40.0	44.6	52.4	52.4	55.5
102.5°	13.5	13.5	14.5	15.6	20.2	28.0	32.2	35.3	39.4	40.0	42.6
105°	11.9	11.9	12.5	13.5	17.1	22.8	26.5	28.0	30.6	30.6	31.7
107.5°	10.4	10.4	10.9	11.4	15.1	19.2	21.3	21.8	22.8	22.8	24.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	9.9	9.9	9.9	10.4	13.0	16.6	17.6	17.1	17.6	17.6	19.2
112.5°	9.3	8.8	8.8	9.3	11.9	14.5	14.5	14.0	14.0	14.0	15.6
115°	8.8	8.8	8.3	8.8	10.9	12.5	12.5	11.4	11.4	11.4	13.0
117.5°	8.8	8.8	8.3	8.3	9.9	11.4	10.9	9.9	9.3	9.9	11.4
120°	8.8	8.8	7.8	7.8	9.3	9.9	9.9	8.3	8.3	8.3	9.9
122.5°	8.8	8.8	7.8	7.8	8.8	9.3	8.8	7.3	7.3	7.3	8.8
125°	9.3	8.8	7.8	7.8	8.3	8.3	7.8	6.7	6.2	6.2	7.8
127.5°	9.3	9.3	8.3	7.8	7.8	7.8	7.3	6.2	5.7	5.7	7.3
130°	10.4	9.9	8.8	7.8	7.3	6.7	6.2	5.7	5.7	5.7	6.7
132.5°	10.4	10.4	8.8	7.3	6.7	6.2	5.7	4.7	5.2	5.2	6.2
135°	9.9	9.3	7.8	6.7	6.2	5.2	4.7	4.2	4.7	4.7	5.7
137.5°	8.8	8.3	7.3	5.7	5.2	4.2	3.6	3.1	3.6	3.6	4.7
140°	7.3	7.3	5.7	4.7	4.2	3.6	3.1	2.1	2.6	3.1	3.6
142.5°	6.2	5.7	4.7	3.6	3.1	2.6	2.1	1.6	2.1	2.1	2.6
145°	5.2	4.7	3.6	2.6	2.1	1.6	1.0	1.0	1.0	1.0	1.6
147.5°	4.2	3.6	2.6	1.6	1.0	1.0	0.5	0.5	1.0	1.0	1.0
150°	3.1	3.1	2.1	1.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5
152.5°	2.6	2.6	1.6	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
155°	1.6	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.0	0.0	0.0	0.0	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°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	131.8	130.8	129.8	128.7	127.7	127.2	125.6	124.6	124.6	124.6	124.1
5°	133.4	131.3	128.7	126.7	124.1	122.0	120.4	118.9	117.8	117.8	117.8
7.5°	137.0	135.0	130.3	126.1	122.5	119.4	117.3	115.8	115.2	114.7	114.7
10°	145.3	141.7	135.5	129.2	124.1	119.9	117.8	116.8	116.3	116.3	116.3
12.5°	164.0	158.8	149.5	139.1	130.3	124.1	122.0	122.0	125.1	126.7	126.7
15°	188.9	184.3	173.4	158.8	144.8	134.4	132.9	136.5	140.7	142.7	142.2
17.5°	223.2	217.0	202.4	183.2	164.5	154.2	149.5	153.1	158.3	160.9	160.9
20°	263.7	257.5	237.7	211.8	188.9	177.5	170.3	170.3	177.0	179.1	180.1
22.5°	319.2	309.9	281.9	246.0	216.4	198.8	190.0	188.4	196.2	199.8	198.8
25°	381.5	374.2	341.5	288.1	249.7	221.1	209.2	209.2	219.0	227.4	227.9
27.5°	468.7	450.5	404.9	339.5	281.9	241.9	228.9	231.5	241.9	250.2	250.2
30°	560.1	547.1	480.1	394.0	313.0	261.1	242.4	246.6	255.9	265.2	265.2
32.5°	670.6	648.8	566.3	448.0	341.5	273.5	249.7	255.4	266.3	275.6	275.6
35°	778.6	760.9	653.0	504.5	366.5	278.7	252.8	259.5	272.0	283.4	284.4
37.5°	904.2	865.8	737.6	555.4	384.6	279.8	251.7	263.7	280.3	293.3	293.8
40°	979.5	933.3	794.7	593.3	392.9	276.1	251.7	266.8	280.8	285.5	285.0
42.5°	1068.8	1010.6	834.7	598.0	382.6	268.9	251.2	263.2	269.4	269.4	268.9
45°	1188.7	1123.3	898.0	600.6	361.3	260.1	247.1	254.9	253.3	248.6	247.1
47.5°	1335.6	1256.1	978.4	609.9	340.5	251.2	242.4	244.5	237.2	226.8	226.3
50°	1511.0	1417.6	1072.9	619.8	322.3	244.0	238.3	236.2	228.9	220.1	219.0
52.5°	1675.5	1562.9	1158.6	626.5	307.3	239.3	235.1	234.6	227.4	215.9	214.9
55°	1824.5	1689.6	1216.2	613.5	293.8	237.2	235.1	235.7	226.3	214.9	213.3
57.5°	2039.9	1892.0	1307.5	594.3	277.7	236.7	236.7	237.2	225.8	214.9	213.3
60°	2227.3	2062.8	1397.3	592.8	262.1	236.2	237.2	236.7	228.4	221.6	220.1
62.5°	2291.7	2134.9	1401.5	555.4	252.3	233.6	235.1	237.7	236.2	233.1	231.5
65°	2413.1	2241.8	1419.1	513.4	238.3	228.9	232.5	239.3	240.3	238.3	236.7
66°	2404.3	2226.8	1402.0	500.4	233.6	226.3	231.0	238.3	240.3	239.8	238.8
67.5°	2360.7	2187.9	1345.4	463.5	226.8	221.6	228.4	235.7	240.3	241.9	240.8
70°	2242.9	2070.5	1232.8	408.0	213.9	210.7	220.1	229.4	237.2	239.8	239.3
72.5°	1911.2	1747.2	1031.4	348.3	195.7	195.2	206.1	217.5	226.8	229.4	228.4
75°	1604.4	1443.0	847.1	287.0	177.0	177.5	187.9	198.8	206.1	206.1	206.6
77.5°	1286.2	1149.7	671.2	238.3	157.8	157.8	165.1	173.9	178.6	176.5	173.4
80°	989.3	899.0	524.3	199.3	138.6	137.6	141.2	147.9	151.6	146.9	143.3
82.5°	798.8	721.0	414.7	166.1	119.9	118.9	120.4	125.1	127.2	122.0	120.4
85°	606.3	536.2	312.0	136.5	103.8	101.2	103.8	104.9	107.4	102.8	99.7
87.5°	428.7	380.0	226.3	113.7	88.8	87.2	86.7	87.7	89.3	86.2	84.6
90°	288.1	252.8	163.5	95.0	75.8	73.2	72.1	72.1	73.2	68.0	66.4
92.5°	184.8	163.5	113.7	75.8	63.3	60.2	58.1	58.7	58.1	52.9	51.9
95°	115.2	104.3	82.0	59.7	50.9	48.3	46.2	45.7	45.2	41.5	40.5
97.5°	75.3	71.6	61.2	47.2	40.5	38.4	37.4	36.9	36.9	34.3	32.7
100°	56.1	54.5	48.3	39.4	33.2	31.7	30.6	30.6	31.7	29.6	28.5
102.5°	43.6	44.1	39.4	33.2	28.0	27.0	26.0	26.0	27.0	26.0	25.4
105°	33.2	33.2	32.2	27.5	23.9	23.4	22.3	22.3	23.4	23.4	23.4
107.5°	26.0	27.0	26.0	22.8	20.8	20.2	19.2	19.2	20.2	20.8	21.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.8	21.8	21.3	19.7	18.2	17.6	16.6	16.1	17.1	18.7	18.7
112.5°	16.6	17.6	17.6	16.6	15.6	15.6	14.5	14.0	15.1	16.6	16.6
115°	14.0	15.1	15.1	14.5	14.0	13.5	12.5	11.9	13.0	14.5	15.1
117.5°	11.9	13.0	13.0	13.0	12.5	11.9	10.9	10.4	10.9	12.5	13.0
120°	10.9	11.4	11.4	11.4	10.9	10.9	9.9	9.3	9.9	11.4	11.4
122.5°	9.3	9.9	10.4	10.4	9.9	9.9	8.8	7.8	8.3	9.9	10.4
125°	8.3	8.8	9.3	9.3	8.8	8.8	7.8	7.3	7.8	8.8	9.3
127.5°	7.8	8.3	8.3	8.3	8.3	7.8	6.7	6.2	6.7	8.3	8.3
130°	7.3	7.8	7.8	7.8	7.3	6.7	6.2	5.7	6.2	7.8	7.8
132.5°	6.7	7.3	7.3	6.7	6.7	6.2	5.2	4.7	5.7	6.7	6.7
135°	5.7	6.2	6.2	6.2	5.7	5.2	4.7	4.2	5.2	5.7	5.7
137.5°	4.7	5.2	5.2	5.2	4.7	4.2	3.6	3.6	4.2	5.2	5.2
140°	3.6	4.2	4.2	4.2	3.6	3.6	3.1	2.6	3.6	4.2	4.2
142.5°	2.6	3.1	3.1	3.1	2.6	2.6	2.1	2.1	3.1	3.6	3.6
145°	1.6	2.1	2.1	2.1	2.1	1.6	1.6	1.6	2.1	2.6	2.6
147.5°	1.0	1.6	1.6	1.6	1.6	1.0	0.5	1.0	1.6	2.1	2.1
150°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.5	1.0	1.6	1.6
152.5°	0.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	0.5
155°	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.0
157.5°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)