

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: P416521

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-827-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5668 lumens  
Efficiency: N/A  
Efficacy: 76.6 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): 74  
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

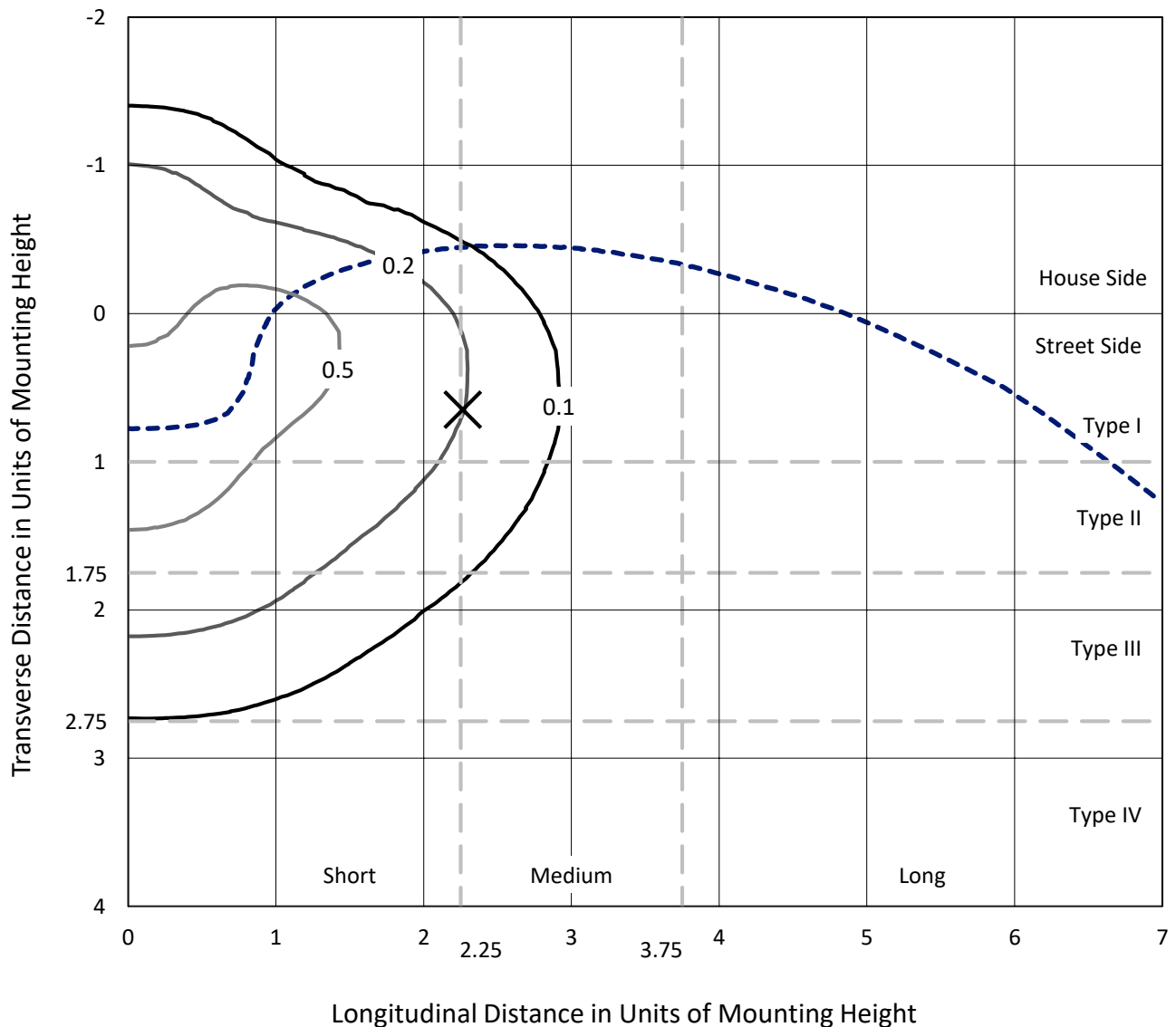


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

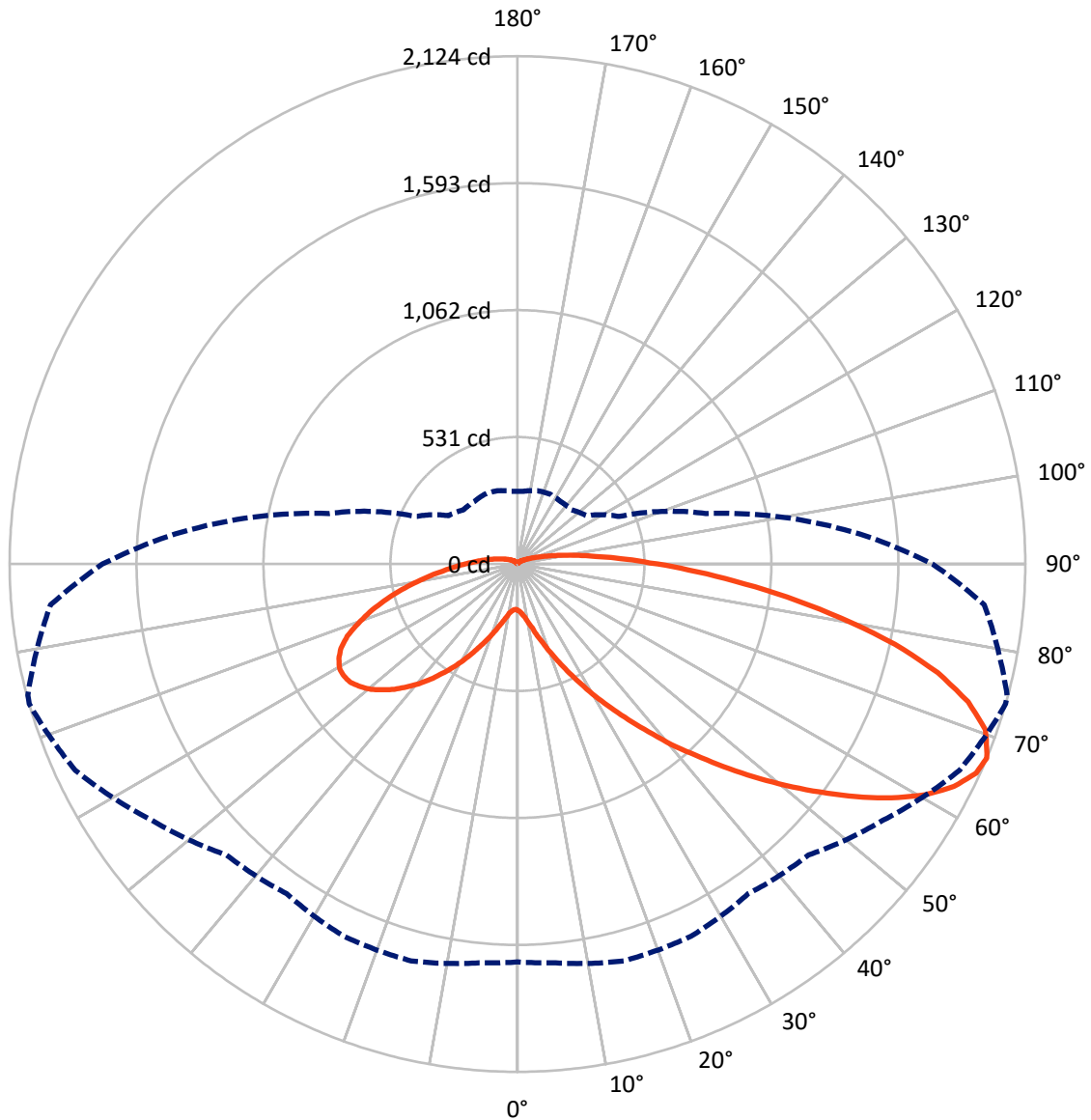


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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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	1321.7	158.9	1480.6
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	3825.0	362.4	4187.4
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	5146.7	521.3	5668.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.4
10°-20°	82.6	1.5
20°-30°	205.1	3.6
30°-40°	400.5	7.1
40°-50°	662.4	11.7
50°-60°	960.1	16.9
60°-70°	1162.1	20.5
70°-80°	1033.1	18.2
80°-90°	620.6	10.9
90°-100°	284.9	5.0
100°-110°	126.8	2.2
110°-120°	60.5	1.1
120°-130°	30.0	0.5
130°-140°	13.7	0.2
140°-150°	4.5	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5146.7	90.8
0°-180°	5668.0	100.0



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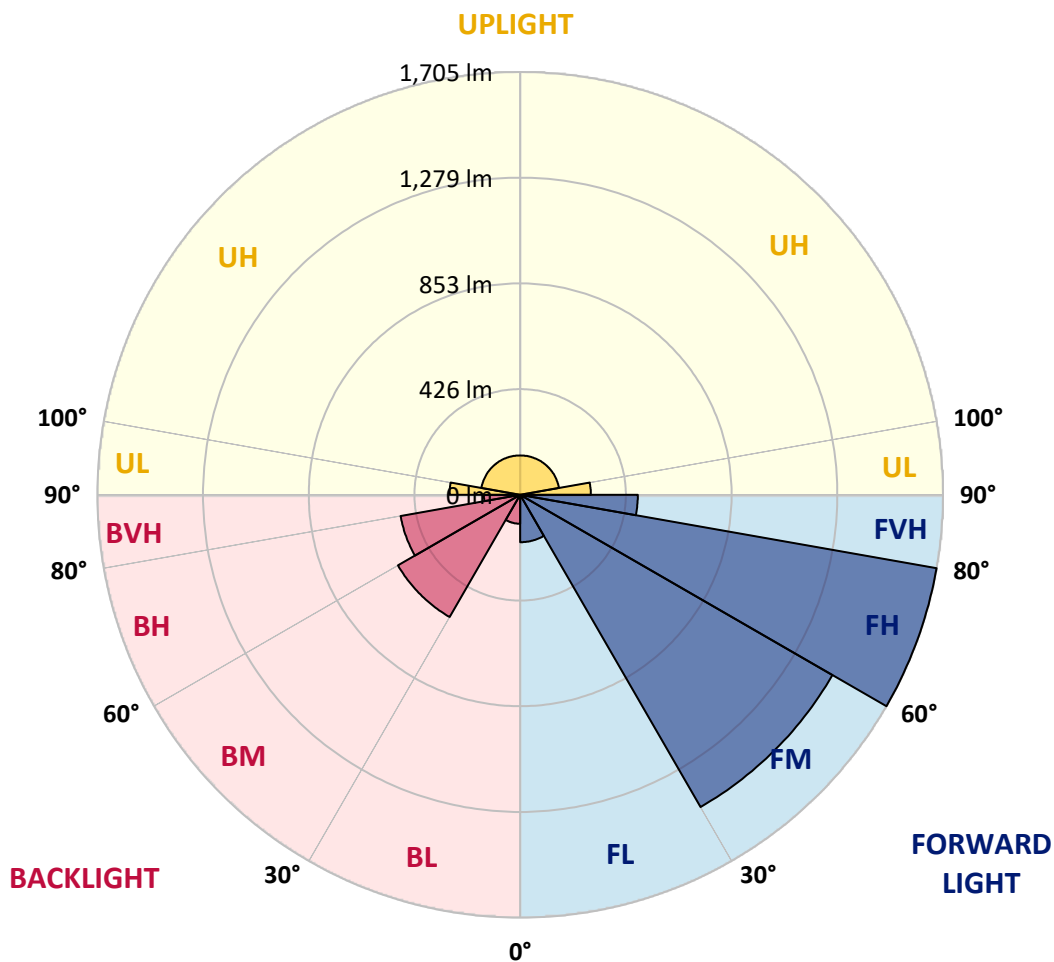
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T4W-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.1	3.4			
FM (30°-60°)	1454.2	25.7			
FH (60°-80°)	1705.4	30.1			G1/1800
FVH (80°-90°)	474.3	8.4			G3/500
BL (0°-30°)	116.8	2.1	B1/500		
BM (30°-60°)	568.9	10.0	B1/1000		
BH (60°-80°)	489.8	8.6	B1/500		G1/500
BVH (80°-90°)	146.3	2.6			G2/225
UL (90°-100°)	284.9	5.0		U3/500	
UH (100°-180°)	158.9	2.8		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°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	213.2	211.2	211.2	209.9	209.2	207.2	205.8	201.1	199.1	199.1	195.7
5°	236.1	234.7	232.1	232.1	229.4	226.7	221.3	215.2	210.5	209.9	203.8
7.5°	264.3	261.0	261.0	257.6	253.6	248.9	241.5	233.4	226.0	225.3	215.9
10°	296.6	295.3	293.9	289.2	283.9	274.4	267.7	256.3	247.5	246.9	234.1
12.5°	336.3	334.3	330.3	325.6	316.1	309.4	297.3	284.5	273.1	273.8	259.0
15°	379.4	378.0	375.3	367.9	357.2	347.8	335.6	322.2	310.8	306.0	290.6
17.5°	428.5	425.8	422.4	414.3	402.2	392.8	376.7	363.9	349.1	349.8	327.6
20°	486.3	483.6	478.9	466.1	455.4	442.6	425.8	411.7	394.8	393.5	371.3
22.5°	543.5	544.8	533.4	519.9	509.9	495.1	478.9	460.8	446.0	444.6	419.1
25°	614.1	609.4	598.0	582.5	567.0	548.9	534.7	518.6	504.5	503.1	472.9
27.5°	688.1	684.1	668.6	649.1	628.2	608.1	596.0	579.1	568.4	566.4	535.4
30°	768.8	762.1	748.0	721.7	692.8	669.9	657.8	651.8	641.7	639.0	607.4
32.5°	859.6	850.9	830.0	798.4	756.7	731.2	725.8	720.4	716.4	712.3	682.7
35°	949.8	947.1	916.1	877.1	836.1	802.5	793.0	801.8	799.1	796.4	764.8
37.5°	1044.6	1049.3	1015.7	964.6	908.1	872.4	865.7	881.8	889.2	889.2	851.6
40°	1156.3	1152.2	1118.6	1056.0	990.1	948.4	950.4	974.6	992.8	988.8	951.8
42.5°	1267.2	1258.5	1214.1	1152.9	1069.5	1027.8	1027.8	1064.8	1092.4	1093.0	1054.0
45°	1376.2	1366.8	1325.1	1245.0	1154.2	1109.2	1118.6	1163.7	1208.7	1202.7	1164.3
47.5°	1475.8	1471.7	1428.7	1343.2	1241.0	1193.9	1212.8	1280.0	1329.1	1329.1	1286.7
50°	1573.3	1567.9	1527.5	1431.4	1328.5	1282.0	1310.3	1392.4	1454.9	1458.3	1409.2
52.5°	1657.4	1654.0	1616.3	1520.8	1414.5	1367.5	1409.8	1512.8	1584.7	1592.1	1540.3
55°	1717.9	1719.9	1691.0	1600.2	1492.6	1453.6	1511.4	1632.5	1717.9	1719.2	1663.4
57.5°	1762.3	1765.0	1745.5	1666.8	1561.2	1531.6	1609.6	1748.2	1845.0	1851.1	1777.8
60°	1781.1	1785.8	1779.8	1713.9	1622.4	1603.6	1697.7	1851.8	1959.4	1961.4	1873.3
62.5°	1771.0	1775.8	1787.9	1740.8	1666.8	1666.1	1783.1	1941.9	2048.8	2051.5	1945.9
65°	1725.3	1732.7	1763.0	1740.8	1682.9	1705.1	1839.7	2011.2	2107.4	2110.7	1974.2
67°	1664.1	1673.5	1717.9	1717.2	1682.9	1720.6	1867.2	2040.1	2123.5	2119.5	1959.4
67.5°	1650.0	1659.4	1703.8	1710.5	1678.2	1722.6	1870.6	2043.5	2117.4	2116.8	1950.0
70°	1530.2	1547.1	1611.6	1643.9	1643.2	1706.5	1869.2	2025.3	2076.4	2069.7	1871.3
72.5°	1392.4	1413.2	1491.9	1553.8	1574.0	1656.0	1820.1	1953.3	1970.1	1962.1	1724.0
75°	1250.4	1261.9	1343.9	1432.0	1483.2	1570.6	1728.0	1839.0	1815.4	1795.9	1539.7
77.5°	1100.4	1105.1	1196.6	1295.5	1357.4	1458.3	1590.8	1671.5	1613.6	1597.5	1329.8
80°	926.2	945.7	1037.2	1140.1	1216.8	1308.3	1419.9	1468.4	1371.5	1356.7	1106.5
82.5°	783.6	795.7	879.1	980.0	1066.1	1152.2	1224.9	1237.6	1136.1	1125.3	889.2
85°	639.7	650.4	737.9	831.4	912.1	984.1	1032.5	1013.7	908.1	896.6	702.9
87.5°	529.4	537.4	598.0	692.8	764.1	815.9	841.5	817.9	717.0	700.9	542.8
90°	419.7	431.8	486.3	566.4	639.0	672.6	675.3	636.3	553.6	541.5	415.7
92.5°	339.0	347.1	398.9	465.5	522.6	548.2	541.5	508.5	432.5	418.4	321.5
95°	274.4	281.2	324.2	382.7	429.1	452.7	433.8	390.1	330.3	324.9	248.2
97.5°	228.0	229.4	263.0	315.5	352.5	364.6	349.8	310.1	258.3	247.5	190.4
100°	186.3	187.7	215.9	255.6	289.2	297.3	282.5	244.2	200.4	193.7	149.3
102.5°	151.3	154.7	176.2	211.9	236.8	242.8	227.3	193.7	154.7	150.0	116.4
105°	128.5	129.1	148.0	174.9	197.1	201.8	186.3	157.4	121.7	119.1	92.8
107.5°	109.0	109.0	123.8	147.3	164.8	167.5	155.4	128.5	96.2	93.5	75.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	93.5	94.2	104.9	123.8	139.9	141.9	129.8	102.9	76.7	74.7	61.2
112.5°	81.4	82.7	90.1	104.9	119.1	121.1	109.0	84.1	62.6	59.9	51.1
115°	72.0	72.6	78.0	90.1	101.6	102.9	90.8	69.3	50.4	48.4	43.0
117.5°	63.9	64.6	68.6	78.7	87.4	88.1	76.0	57.2	42.4	40.4	37.7
120°	57.8	57.8	61.2	67.9	75.3	75.3	63.9	47.1	35.0	34.3	32.3
122.5°	52.5	52.5	54.5	59.2	64.6	63.2	53.1	39.0	29.6	28.9	28.3
125°	47.8	47.8	49.1	51.8	55.2	53.1	43.7	32.3	25.6	24.9	24.9
127.5°	43.0	43.0	43.7	45.7	46.4	44.4	36.3	26.9	22.2	21.5	22.2
130°	39.0	39.0	39.0	39.0	39.0	37.7	29.6	22.2	18.8	18.8	19.5
132.5°	35.0	35.0	34.3	33.6	33.0	30.3	24.2	18.2	16.8	16.8	17.5
135°	30.9	30.9	30.3	28.9	26.9	23.5	18.2	14.8	14.1	14.1	14.8
137.5°	26.9	26.9	26.2	24.2	21.5	18.2	14.1	12.1	12.1	12.1	12.8
140°	22.9	22.9	22.2	20.2	16.8	13.5	10.8	9.4	10.1	10.1	10.8
142.5°	19.5	18.8	18.2	16.1	12.8	9.4	7.4	7.4	8.1	8.1	8.7
145°	15.5	14.8	14.1	12.1	9.4	6.7	5.4	5.4	6.1	6.1	6.7
147.5°	12.1	11.4	10.8	8.7	6.7	4.7	3.4	4.0	4.7	4.7	4.7
150°	8.1	8.1	8.1	6.7	4.0	2.7	2.0	2.7	2.7	2.7	3.4
152.5°	5.4	5.4	5.4	4.0	2.7	1.3	1.3	1.3	2.0	2.0	2.0
155°	3.4	3.4	3.4	2.7	1.3	0.7	0.7	0.7	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.7	0.7	0.7
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°	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0	193.0
2.5°	194.4	193.0	190.4	188.3	186.3	184.3	182.3	180.9	178.9	178.9	178.9
5°	201.1	197.8	192.4	188.3	183.6	180.3	176.2	173.5	171.5	170.8	170.8
7.5°	212.6	207.8	199.8	191.7	185.0	179.6	174.9	171.5	168.8	168.2	168.2
10°	228.7	222.6	209.9	200.4	191.7	184.3	178.2	173.5	171.5	170.2	170.2
12.5°	252.2	244.2	229.4	213.2	201.8	192.4	185.0	183.0	183.0	183.6	183.0
15°	280.5	272.4	252.2	233.4	216.6	205.8	201.8	201.8	201.1	202.5	202.5
17.5°	316.1	304.7	280.5	255.6	236.1	226.0	222.0	220.6	222.0	224.0	222.6
20°	358.5	341.7	311.4	280.5	259.6	249.5	242.8	241.5	243.5	244.8	245.5
22.5°	402.9	384.7	346.4	306.7	285.2	271.7	264.3	262.3	265.7	269.1	269.7
25°	453.4	433.2	384.1	338.3	308.1	289.9	283.2	282.5	287.9	292.6	292.6
27.5°	514.6	487.7	425.1	372.6	333.6	309.4	302.0	302.7	310.1	314.1	315.5
30°	578.5	548.2	472.2	404.3	353.8	324.9	316.8	320.2	327.6	335.6	337.0
32.5°	650.4	614.8	517.9	435.9	372.0	337.0	328.2	335.0	343.0	352.5	353.8
35°	725.8	678.0	565.0	464.8	386.8	346.4	336.3	344.4	354.5	363.2	365.9
37.5°	811.2	754.7	616.1	488.3	398.2	351.8	341.0	350.4	361.9	370.6	371.3
40°	898.6	833.4	664.6	510.5	406.3	355.2	343.7	353.1	363.9	371.3	372.0
42.5°	990.1	913.4	709.6	528.7	410.3	355.2	342.4	351.8	361.9	365.9	366.6
45°	1097.1	998.2	756.0	541.5	411.7	353.8	340.4	347.8	355.2	356.5	358.5
47.5°	1204.7	1082.3	795.7	550.9	411.0	350.4	337.0	343.0	347.8	346.4	348.4
50°	1318.4	1173.7	834.1	556.9	407.6	347.1	332.3	337.7	339.0	335.0	335.0
52.5°	1427.3	1253.1	863.7	557.6	402.9	343.0	328.9	333.0	332.3	324.9	325.6
55°	1536.3	1337.9	888.5	551.6	396.2	339.0	325.6	328.2	326.2	317.5	316.1
57.5°	1629.8	1406.5	899.3	542.8	388.8	335.0	323.5	326.2	322.2	312.1	311.4
60°	1709.2	1459.6	900.0	530.7	380.0	331.6	321.5	324.9	321.5	309.4	308.1
62.5°	1758.3	1483.8	882.5	511.9	371.3	327.6	321.5	324.2	320.2	308.1	307.4
65°	1766.3	1471.7	854.2	490.3	361.2	323.5	320.2	323.5	319.5	306.7	305.4
67°	1734.7	1436.7	815.9	470.2	352.5	320.2	317.5	322.2	317.5	305.4	303.4
67.5°	1724.0	1420.6	807.2	467.5	350.4	318.8	316.8	320.8	316.8	304.7	302.7
70°	1629.8	1332.5	741.2	437.9	337.7	312.1	312.1	315.5	311.4	300.0	296.6
72.5°	1484.5	1208.7	675.3	409.6	323.5	302.0	304.0	307.4	303.4	292.6	288.6
75°	1316.3	1069.5	602.0	376.7	307.4	291.9	293.3	296.6	292.6	281.2	277.8
77.5°	1129.4	908.7	528.0	346.4	290.6	278.5	279.1	281.2	277.8	266.4	263.0
80°	928.9	749.3	452.7	312.1	271.1	261.7	262.3	262.3	257.6	248.2	245.5
82.5°	748.6	608.7	386.1	281.8	249.5	242.8	242.8	242.1	236.1	228.0	224.0
85°	582.5	491.0	323.5	250.9	228.0	222.0	221.3	218.6	212.6	203.8	199.1
87.5°	456.7	388.8	272.4	221.3	206.5	202.5	198.4	192.4	187.7	180.3	176.2
90°	356.5	308.7	230.0	194.4	185.6	180.3	176.2	168.8	161.4	154.0	152.0
92.5°	279.1	244.2	191.7	169.5	164.1	160.1	154.7	146.6	139.9	131.2	131.8
95°	221.3	198.4	163.4	149.3	145.3	141.9	135.2	126.5	119.1	111.0	109.6
97.5°	173.5	158.1	137.2	129.8	128.5	124.4	117.7	109.0	100.9	92.2	92.2
100°	137.9	129.1	115.7	114.3	111.7	109.0	102.2	94.2	84.1	76.7	76.7
102.5°	111.0	103.6	98.9	98.9	98.2	95.5	88.8	80.7	70.6	63.2	63.2
105°	88.8	86.1	84.1	86.1	86.8	84.1	77.4	68.6	58.5	51.8	53.1
107.5°	74.0	72.0	72.0	74.7	76.0	73.3	67.3	57.8	48.4	43.7	43.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	61.2	60.5	61.9	65.2	65.9	63.9	57.8	49.1	40.4	36.3	37.0
112.5°	51.8	51.1	53.8	57.2	57.8	55.8	49.8	41.7	33.6	30.9	30.9
115°	43.7	44.4	46.4	49.1	50.4	48.4	43.0	35.6	27.6	26.2	26.2
117.5°	37.7	38.3	40.4	43.7	44.4	41.7	36.3	29.6	23.5	22.9	22.9
120°	33.0	33.6	35.6	37.7	38.3	35.6	30.9	24.9	20.2	19.5	19.5
122.5°	28.9	30.3	31.6	33.0	33.6	30.9	26.9	20.9	16.8	16.8	17.5
125°	25.6	26.2	27.6	28.9	28.9	26.2	22.2	17.5	14.8	14.8	14.8
127.5°	22.9	22.9	23.5	24.9	24.9	22.9	18.8	14.1	12.8	12.8	13.5
130°	20.2	20.9	20.9	20.9	20.9	18.8	15.5	12.1	10.8	11.4	11.4
132.5°	17.5	18.2	18.2	18.2	17.5	15.5	12.8	10.1	9.4	10.1	10.1
135°	15.5	15.5	15.5	15.5	14.1	12.8	10.1	8.1	8.1	8.7	8.7
137.5°	13.5	13.5	13.5	12.8	11.4	10.1	8.1	6.7	6.7	7.4	7.4
140°	10.8	11.4	10.8	10.1	8.7	7.4	6.1	5.4	6.1	6.1	6.1
142.5°	8.7	8.7	8.7	8.1	6.7	5.4	4.7	4.0	4.7	4.7	5.4
145°	6.7	6.7	6.7	6.1	4.7	3.4	3.4	3.4	4.0	4.0	4.0
147.5°	4.7	4.7	4.7	4.0	2.7	2.0	2.0	2.0	2.7	2.7	2.7
150°	3.4	3.4	3.4	2.7	1.3	0.7	0.7	1.3	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.3	0.7	0.0	0.7	1.3	1.3	0.7	0.7
155°	1.3	1.3	1.3	1.3	0.7	0.0	0.7	0.7	0.7	0.0	0.0
157.5°	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0
160°	0.7	0.7	0.7	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)