

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: P414016

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414016  
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-PA1-100-827-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 6825 lumens  
Efficiency: N/A  
Efficacy: 71.1 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: B2 - U3 - G3

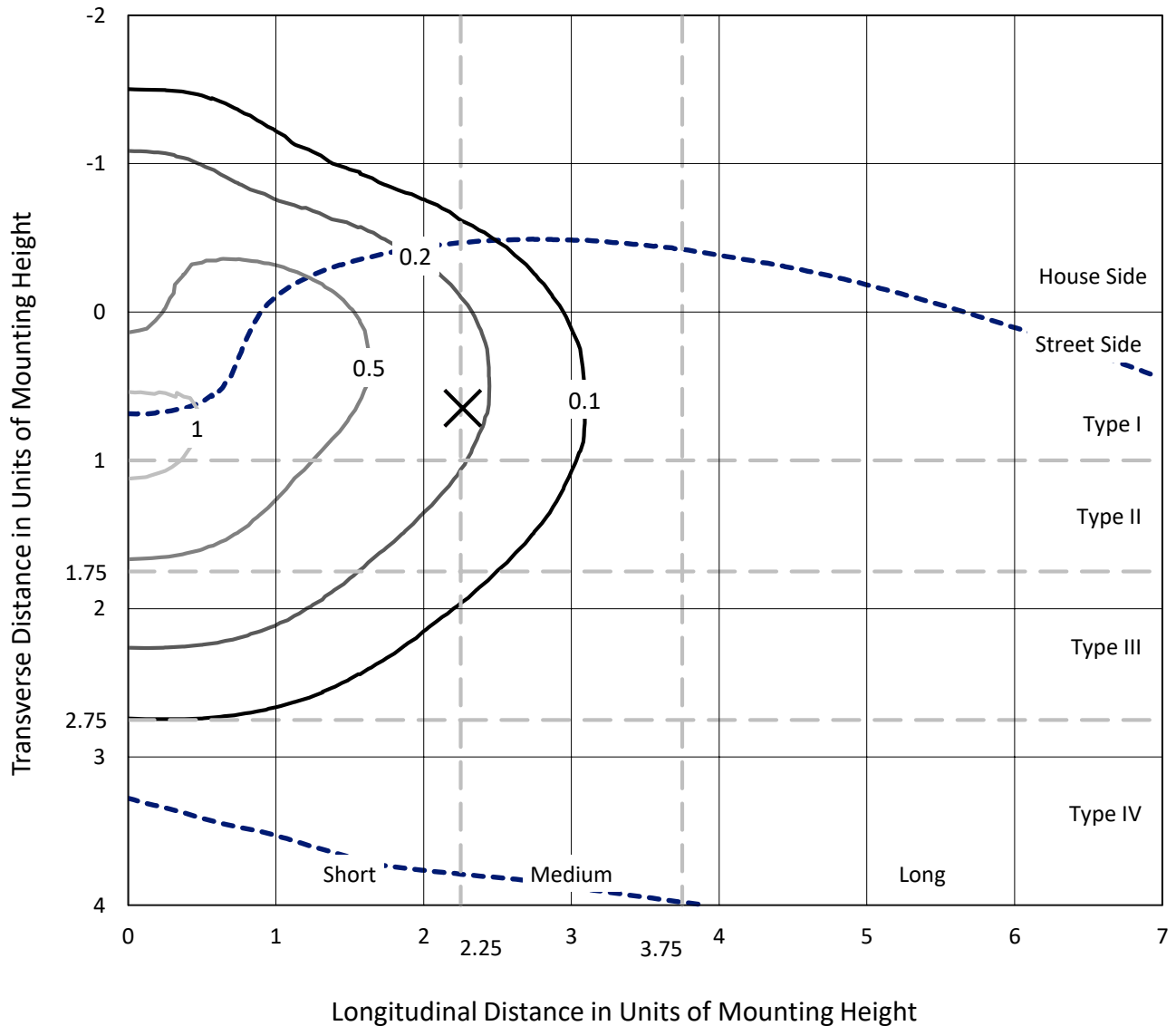
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

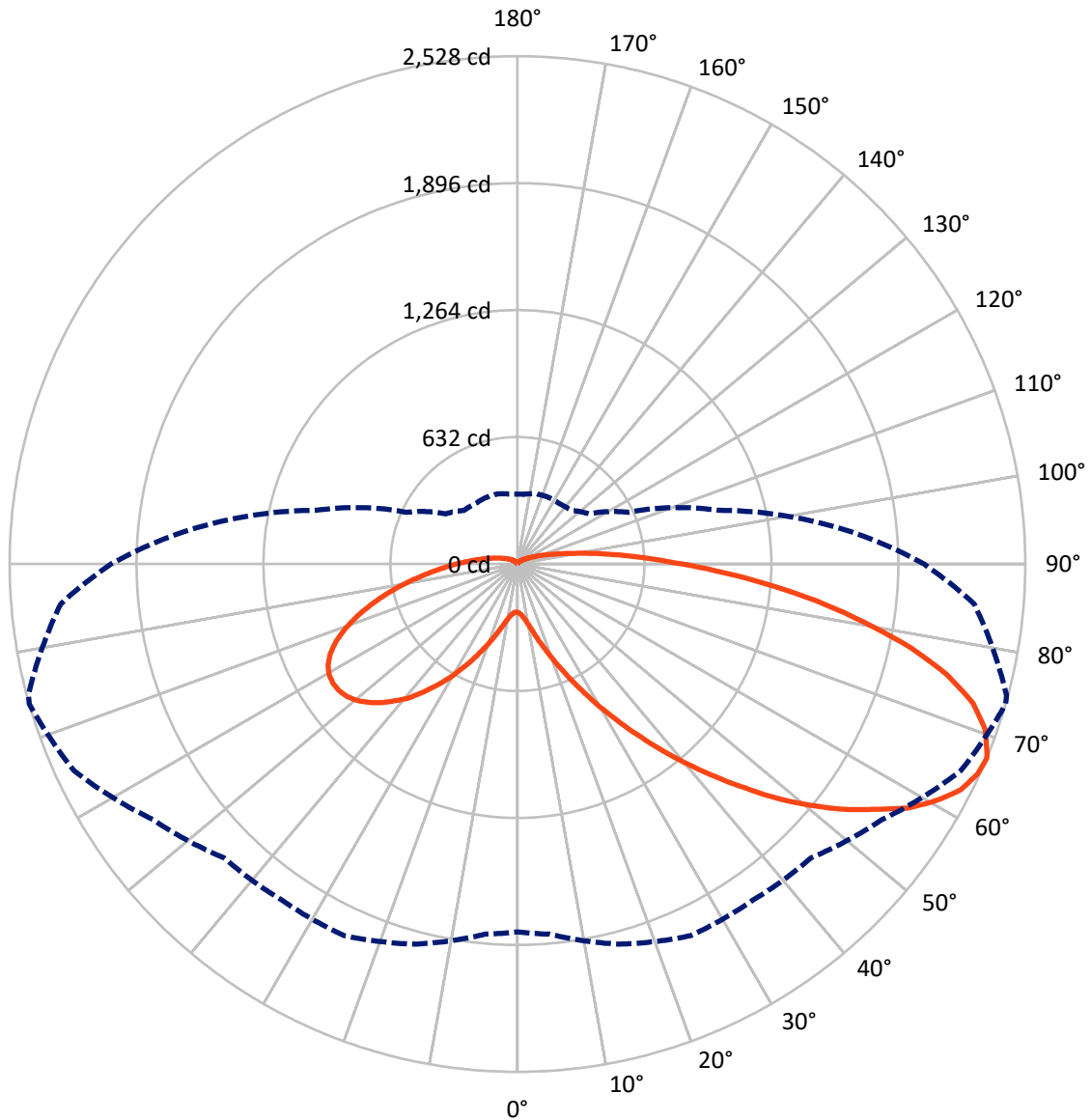


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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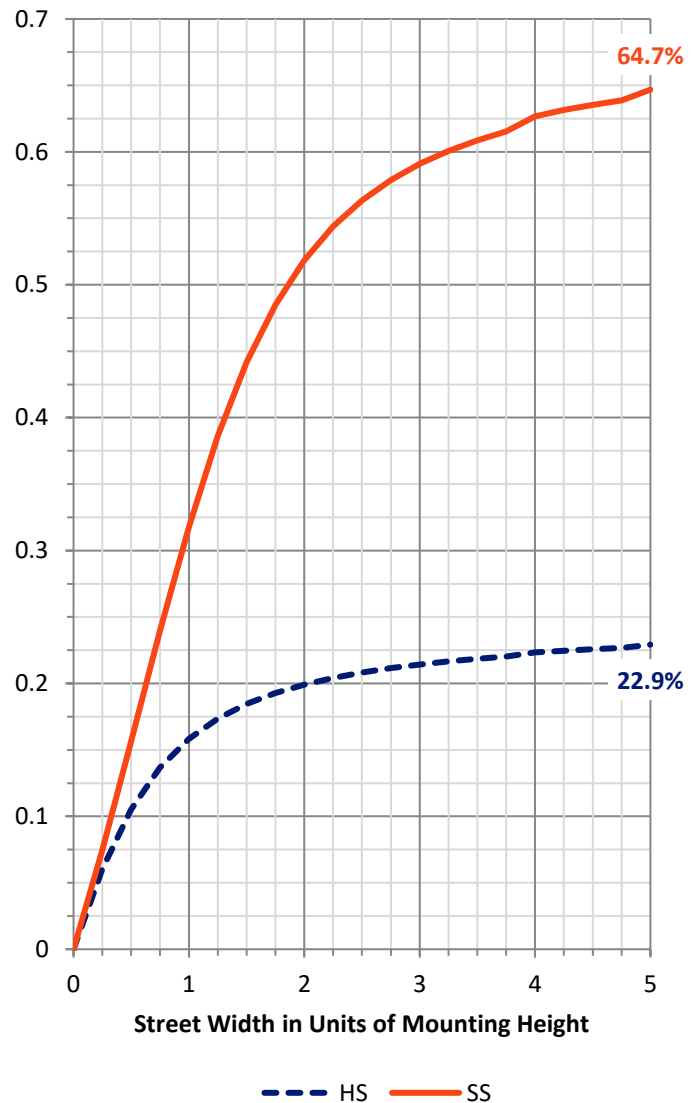
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1645.2	203.5	1848.6
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	4622.1	354.2	4976.3
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	6267.3	557.7	6825.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.3	0.4
10°-20°	104.7	1.5
20°-30°	265.1	3.9
30°-40°	531.9	7.8
40°-50°	892.9	13.1
50°-60°	1252.7	18.4
60°-70°	1400.1	20.5
70°-80°	1142.3	16.7
80°-90°	652.1	9.6
90°-100°	298.0	4.4
100°-110°	136.4	2.0
110°-120°	67.2	1.0
120°-130°	34.2	0.5
130°-140°	15.9	0.2
140°-150°	5.2	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6267.3	91.8
0°-180°	6825.0	100.0

**Coefficient of Utilization**



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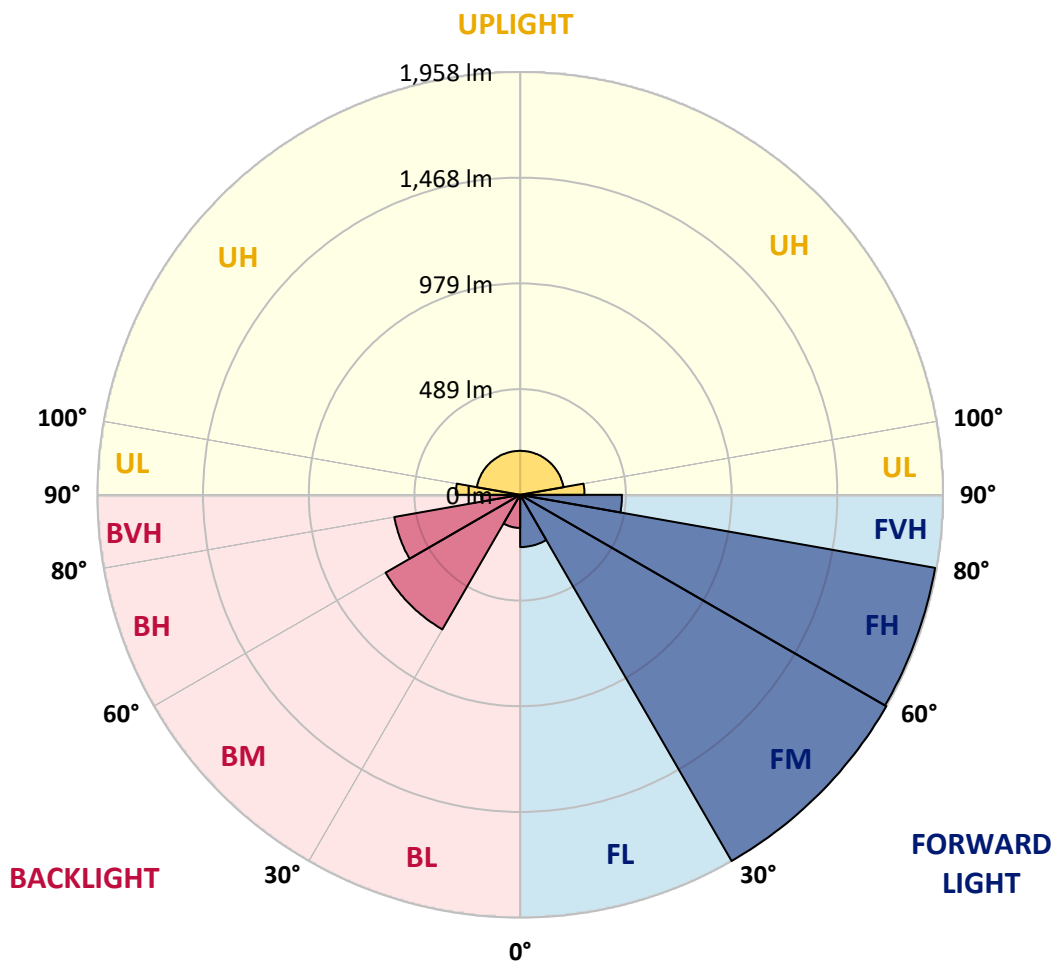
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.9	3.5			
FM	(30°-60°)	1957.9	28.7			
FH	(60°-80°)	1950.9	28.6			G2/5000
FVH	(80°-90°)	471.5	6.9			G3/500
BL	(0°-30°)	153.3	2.2	B1/500		
BM	(30°-60°)	719.7	10.5	B1/1000		
BH	(60°-80°)	591.6	8.7	B2/1000		G2/1000
BVH	(80°-90°)	180.6	2.6			G2/225
UL	(90°-100°)	298.0	4.4		U3/500	
UH	(100°-180°)	203.5	3.0		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8
2.5°	261.6	260.0	260.0	258.4	257.6	254.4	252.0	248.8	247.2	246.4	244.0
5°	285.7	283.3	283.3	281.7	278.5	274.5	268.8	265.6	260.0	260.8	253.6
7.5°	314.6	313.8	312.2	309.0	305.0	300.1	294.5	287.3	280.9	280.9	272.1
10°	353.1	348.3	348.3	344.3	340.3	333.0	325.0	317.0	308.2	307.4	295.3
12.5°	399.7	398.9	394.0	388.4	382.0	374.8	361.9	353.9	345.1	344.3	331.4
15°	454.2	451.8	445.4	443.0	433.4	420.5	410.1	402.1	393.2	390.0	373.2
17.5°	518.4	515.2	512.8	500.8	492.8	482.3	470.3	459.8	444.6	443.0	424.5
20°	593.9	586.6	579.4	569.8	557.0	547.3	534.5	524.9	507.2	507.2	482.3
22.5°	673.3	671.7	665.3	649.2	631.6	622.0	609.9	590.7	576.2	572.2	544.9
25°	769.6	768.0	755.2	738.3	719.9	705.4	686.2	665.3	653.3	652.5	622.0
27.5°	878.8	881.2	858.7	837.0	812.2	788.9	768.0	757.6	741.5	739.1	703.8
30°	1010.4	999.9	976.7	945.4	910.9	881.2	859.5	849.1	838.6	837.8	795.3
32.5°	1144.4	1132.4	1112.3	1069.0	1020.8	975.1	964.6	955.8	943.8	937.4	894.8
35°	1292.9	1283.2	1254.3	1197.4	1133.2	1083.4	1061.7	1063.3	1057.7	1054.5	1003.2
37.5°	1456.6	1439.7	1400.4	1345.0	1250.3	1196.6	1171.7	1185.3	1182.1	1175.7	1121.9
40°	1610.7	1608.3	1566.5	1480.7	1385.2	1308.9	1292.1	1315.3	1311.3	1303.3	1243.9
42.5°	1788.8	1771.2	1724.6	1628.3	1512.8	1428.5	1410.0	1444.5	1449.4	1451.0	1371.5
45°	1941.3	1933.3	1889.1	1778.4	1645.2	1553.7	1538.4	1575.4	1591.4	1593.0	1505.5
47.5°	2089.8	2086.6	2041.6	1926.9	1774.4	1677.3	1657.2	1710.2	1743.9	1736.7	1633.1
50°	2201.3	2206.9	2170.8	2061.7	1902.8	1787.2	1792.0	1857.0	1888.3	1884.3	1769.6
52.5°	2296.8	2288.8	2273.6	2170.0	2004.7	1898.8	1904.4	1982.2	2028.8	2026.4	1898.8
55°	2332.1	2329.7	2331.3	2247.1	2088.2	1990.3	2007.1	2117.1	2155.6	2150.8	2003.9
57.5°	2324.9	2323.3	2348.2	2292.8	2155.6	2062.5	2101.0	2227.8	2291.2	2284.8	2114.7
60°	2270.3	2263.1	2316.9	2296.8	2182.9	2107.4	2174.8	2324.9	2393.1	2391.5	2205.3
62.5°	2147.6	2158.8	2233.4	2251.9	2174.8	2130.7	2219.0	2400.4	2476.6	2471.0	2270.3
65°	1976.6	2004.7	2094.6	2158.8	2120.3	2109.8	2235.0	2434.1	2518.3	2517.5	2293.6
67°	1830.6	1849.8	1959.0	2040.8	2043.2	2067.3	2216.6	2434.9	2528.0	2520.7	2282.4
67.5°	1779.2	1804.9	1915.6	2015.1	2025.6	2055.3	2209.4	2433.3	2521.5	2517.5	2276.8
70°	1546.5	1576.2	1697.3	1822.5	1886.7	1950.9	2143.5	2388.3	2470.2	2461.3	2211.8
72.5°	1310.5	1352.3	1467.0	1615.5	1709.4	1815.3	2029.6	2276.0	2372.3	2353.8	2085.0
75°	1084.2	1112.3	1223.9	1384.4	1506.3	1650.0	1873.9	2124.3	2211.0	2195.7	1923.7
77.5°	864.3	890.0	997.5	1158.8	1296.9	1458.2	1691.7	1934.1	2001.5	1992.7	1719.0
80°	682.1	700.6	804.1	947.8	1089.8	1262.4	1483.9	1700.6	1744.7	1751.1	1493.5
82.5°	524.9	548.9	638.8	765.6	899.6	1064.1	1256.8	1448.6	1497.5	1481.5	1262.4
85°	401.3	421.3	501.6	609.1	743.1	882.0	1053.7	1211.0	1232.7	1214.2	1023.2
87.5°	313.8	329.0	391.6	496.0	602.7	721.5	858.7	979.1	990.3	987.1	819.4
90°	243.2	256.8	309.0	391.6	489.5	591.5	699.0	783.3	777.6	782.5	646.0
92.5°	191.0	198.2	245.6	318.6	400.5	482.3	564.2	620.4	619.5	605.9	504.0
95°	154.9	158.9	199.8	260.8	326.6	391.6	452.6	488.7	487.1	472.7	393.2
97.5°	125.2	127.6	162.9	214.3	269.6	320.2	364.3	390.0	377.2	371.6	308.2
100°	102.7	104.3	134.8	179.0	224.7	268.0	299.3	309.8	292.1	288.9	242.4
102.5°	87.5	88.3	114.0	151.7	187.8	220.7	244.0	248.8	227.9	229.5	191.0
105°	74.6	75.4	95.5	129.2	159.7	184.6	201.4	199.0	182.2	179.8	152.5
107.5°	65.0	65.8	81.9	110.7	137.2	158.1	166.9	161.3	146.1	142.8	122.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	57.0	57.8	70.6	94.7	118.0	135.6	140.4	131.6	118.0	114.8	101.1
112.5°	51.4	51.4	61.8	81.9	102.7	117.2	118.8	109.9	94.7	93.1	84.3
115°	46.5	46.5	54.6	70.6	89.1	100.3	100.3	89.9	77.8	77.0	70.6
117.5°	42.5	42.5	48.2	61.8	77.0	86.7	85.1	75.4	65.0	64.2	61.0
120°	39.3	39.3	43.3	53.8	66.6	73.8	72.2	62.6	54.6	53.8	52.2
122.5°	36.1	36.9	39.3	47.3	57.8	63.4	61.8	53.8	46.5	45.7	45.7
125°	33.7	33.7	35.3	40.9	49.8	54.6	52.2	44.1	39.3	39.3	39.3
127.5°	31.3	31.3	32.1	36.1	42.5	45.7	43.3	36.9	34.5	33.7	34.5
130°	28.9	28.9	29.7	31.3	36.1	37.7	35.3	31.3	28.9	28.9	29.7
132.5°	26.5	26.5	26.5	27.3	29.7	31.3	28.9	25.7	24.9	24.9	25.7
135°	24.1	24.9	24.1	24.1	24.9	24.9	22.5	20.9	20.9	21.7	22.5
137.5°	21.7	21.7	20.9	20.1	20.1	19.3	17.7	16.9	17.7	17.7	18.5
140°	19.3	19.3	18.5	16.9	15.2	14.4	13.6	12.8	14.4	14.4	15.2
142.5°	16.9	16.9	15.2	13.6	11.2	9.6	8.8	9.6	11.2	11.2	12.0
145°	13.6	13.6	12.8	11.2	8.0	6.4	5.6	7.2	8.0	8.0	8.8
147.5°	11.2	10.4	9.6	8.0	5.6	4.0	3.2	4.8	5.6	5.6	6.4
150°	8.0	8.0	7.2	5.6	3.2	1.6	1.6	2.4	3.2	3.2	4.0
152.5°	5.6	5.6	4.8	3.2	1.6	0.0	0.8	1.6	1.6	1.6	2.4
155°	3.2	3.2	3.2	2.4	0.8	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.6	0.8	0.8	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°	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8	240.8
2.5°	242.4	240.8	239.2	236.7	235.1	233.5	231.9	231.1	231.1	230.3	231.1
5°	251.2	248.8	244.0	240.0	235.1	231.9	228.7	227.1	225.5	224.7	224.7
7.5°	267.2	264.0	256.0	248.8	241.6	235.9	231.9	227.9	226.3	225.5	225.5
10°	290.5	285.7	273.7	263.2	252.8	245.6	238.4	234.3	231.9	230.3	230.3
12.5°	323.4	315.4	300.1	282.5	268.8	259.2	250.4	246.4	245.6	245.6	245.6
15°	367.6	356.3	333.0	312.2	292.1	275.3	268.8	268.8	268.0	267.2	268.0
17.5°	413.3	400.5	371.6	345.1	320.2	303.4	292.9	290.5	289.7	288.9	289.7
20°	467.9	451.8	418.1	382.0	350.7	334.7	320.2	313.8	313.0	313.8	312.2
22.5°	529.7	512.0	462.3	418.9	384.4	361.9	345.1	336.3	337.9	337.9	337.1
25°	604.3	577.0	518.4	459.8	418.1	386.8	367.6	358.7	359.5	361.1	362.7
27.5°	679.7	648.4	573.8	502.4	447.8	411.7	389.2	379.6	378.8	383.6	382.8
30°	768.0	727.9	634.8	545.7	475.1	429.4	406.1	398.1	397.3	401.3	402.1
32.5°	862.7	813.0	698.2	589.1	499.2	444.6	418.1	412.5	410.9	414.9	415.7
35°	966.2	902.8	760.0	626.8	519.2	455.0	427.7	421.3	418.9	422.9	424.5
37.5°	1066.6	992.7	823.4	660.5	535.3	461.5	431.8	426.9	423.7	426.1	426.9
40°	1172.5	1093.8	887.6	691.0	544.9	464.7	433.4	428.5	425.3	425.3	425.3
42.5°	1288.9	1186.9	939.8	712.6	550.5	463.9	431.8	426.1	422.1	418.9	418.9
45°	1408.4	1287.3	993.5	730.3	551.3	459.8	427.7	422.9	416.5	410.1	409.3
47.5°	1524.8	1377.9	1040.9	739.9	548.9	454.2	422.1	415.7	410.1	400.5	400.5
50°	1638.0	1468.6	1080.2	744.7	541.7	447.8	416.5	410.1	402.9	390.0	388.4
52.5°	1741.5	1551.3	1109.9	743.1	531.3	439.0	409.3	403.7	394.8	379.6	379.6
55°	1843.4	1627.5	1128.4	732.7	518.4	429.4	402.9	397.3	387.6	371.6	370.0
57.5°	1926.9	1682.1	1135.6	716.7	504.0	418.9	396.4	390.8	382.0	364.3	364.3
60°	1997.5	1727.8	1130.8	695.8	487.9	409.3	388.4	385.2	377.2	360.3	360.3
62.5°	2038.4	1746.3	1112.3	669.3	469.5	398.9	381.2	379.6	372.4	356.3	356.3
65°	2047.2	1734.3	1074.6	636.4	451.0	386.8	373.2	372.4	367.6	352.3	350.7
67°	2023.2	1703.0	1032.9	608.3	435.0	377.2	366.0	366.0	361.9	348.3	347.5
67.5°	2014.3	1690.9	1021.6	601.1	431.8	375.6	364.3	365.1	361.1	347.5	345.1
70°	1937.3	1609.9	952.6	560.2	409.3	361.1	353.9	354.7	351.5	341.1	338.7
72.5°	1817.7	1493.5	871.5	520.8	386.8	346.7	339.5	342.7	339.5	331.4	326.6
75°	1656.4	1351.5	787.3	475.9	364.3	329.0	324.2	325.8	325.0	317.0	313.0
77.5°	1466.2	1195.0	697.4	434.2	339.5	311.4	306.6	309.0	307.4	300.1	295.3
80°	1260.0	1029.6	610.7	392.4	313.8	291.3	286.5	287.3	286.5	279.3	272.9
82.5°	1057.7	867.5	522.4	351.5	288.9	269.6	264.0	263.2	261.6	253.6	248.8
85°	873.1	712.6	446.2	312.2	263.2	245.6	240.8	237.5	235.1	226.3	223.1
87.5°	695.8	582.6	377.2	278.5	237.5	223.1	216.7	211.1	207.1	199.0	195.8
90°	555.3	469.5	321.8	244.0	214.3	201.4	192.6	185.4	180.6	171.7	166.9
92.5°	440.6	374.0	270.5	214.3	191.8	180.6	172.5	163.7	157.3	146.1	143.7
95°	349.1	300.9	227.9	187.8	170.1	160.5	153.3	143.7	134.8	123.6	121.2
97.5°	276.1	245.6	191.8	164.5	150.1	142.0	134.8	125.2	115.6	104.3	102.7
100°	220.7	197.4	164.5	143.7	134.0	126.0	118.8	109.9	97.9	86.7	86.7
102.5°	177.4	162.1	138.0	126.0	118.0	111.6	105.1	96.3	83.5	71.4	71.4
105°	143.7	134.0	118.8	109.9	104.3	99.5	93.1	82.7	69.8	60.2	60.2
107.5°	118.0	110.7	101.9	95.5	92.3	87.5	81.9	71.4	59.4	50.6	50.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	97.9	93.1	86.7	84.3	81.9	77.8	71.4	61.8	49.8	43.3	43.3
112.5°	81.9	79.5	74.6	73.8	72.2	69.0	62.6	53.0	41.7	37.7	37.7
115°	69.8	68.2	65.0	65.0	63.4	61.0	54.6	45.7	36.1	32.1	32.9
117.5°	59.4	58.6	57.0	57.0	56.2	53.8	47.3	39.3	30.5	28.9	28.9
120°	52.2	51.4	50.6	49.8	49.8	46.5	40.9	32.9	26.5	25.7	25.7
122.5°	44.9	44.9	44.1	44.1	43.3	40.1	35.3	28.1	23.3	22.5	22.5
125°	39.3	39.3	38.5	38.5	37.7	35.3	30.5	24.1	20.1	20.1	20.1
127.5°	34.5	34.5	33.7	33.7	32.9	29.7	25.7	20.1	17.7	17.7	18.5
130°	30.5	30.5	29.7	28.9	28.1	25.7	20.9	16.9	15.2	16.1	16.1
132.5°	26.5	25.7	25.7	24.9	23.3	20.9	17.7	14.4	13.6	14.4	14.4
135°	22.5	22.5	21.7	20.9	19.3	17.7	14.4	12.0	12.0	12.8	12.8
137.5°	19.3	19.3	18.5	16.9	16.1	13.6	11.2	9.6	10.4	11.2	11.2
140°	15.2	16.1	15.2	13.6	12.0	10.4	8.8	8.0	8.8	9.6	10.4
142.5°	12.8	12.8	12.0	10.4	8.8	7.2	6.4	6.4	8.0	8.8	8.8
145°	9.6	9.6	8.8	8.0	5.6	4.8	4.0	5.6	6.4	7.2	7.2
147.5°	6.4	6.4	6.4	4.8	3.2	2.4	2.4	4.0	5.6	5.6	5.6
150°	4.0	4.0	4.0	3.2	1.6	0.8	1.6	3.2	4.0	4.8	4.8
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	3.2	3.2
155°	1.6	1.6	1.6	0.8	0.8	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	0.8
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)