

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: P696038

Luminaire Tested: **LXF.LXT-PA16-827-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5424 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G3

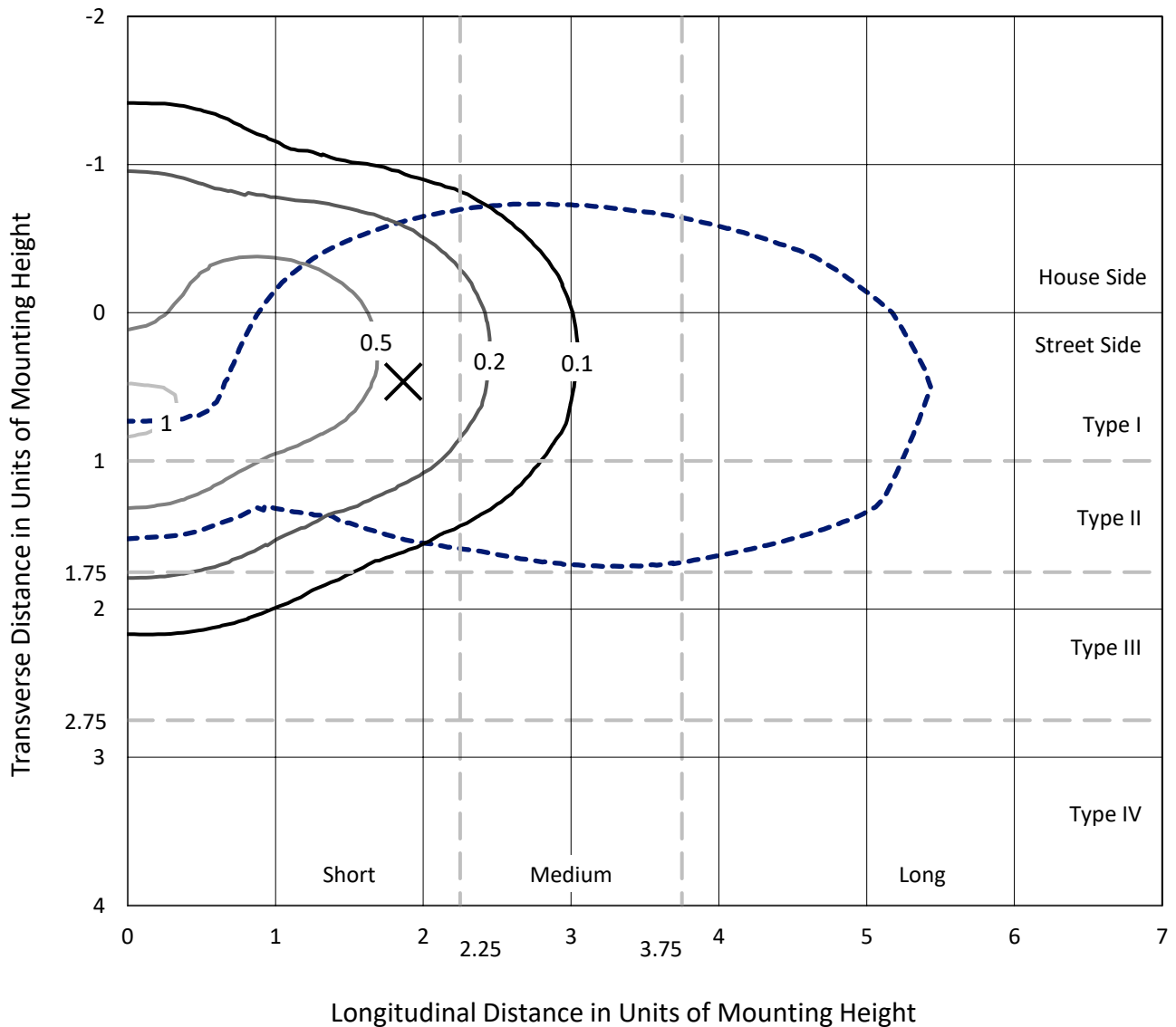
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

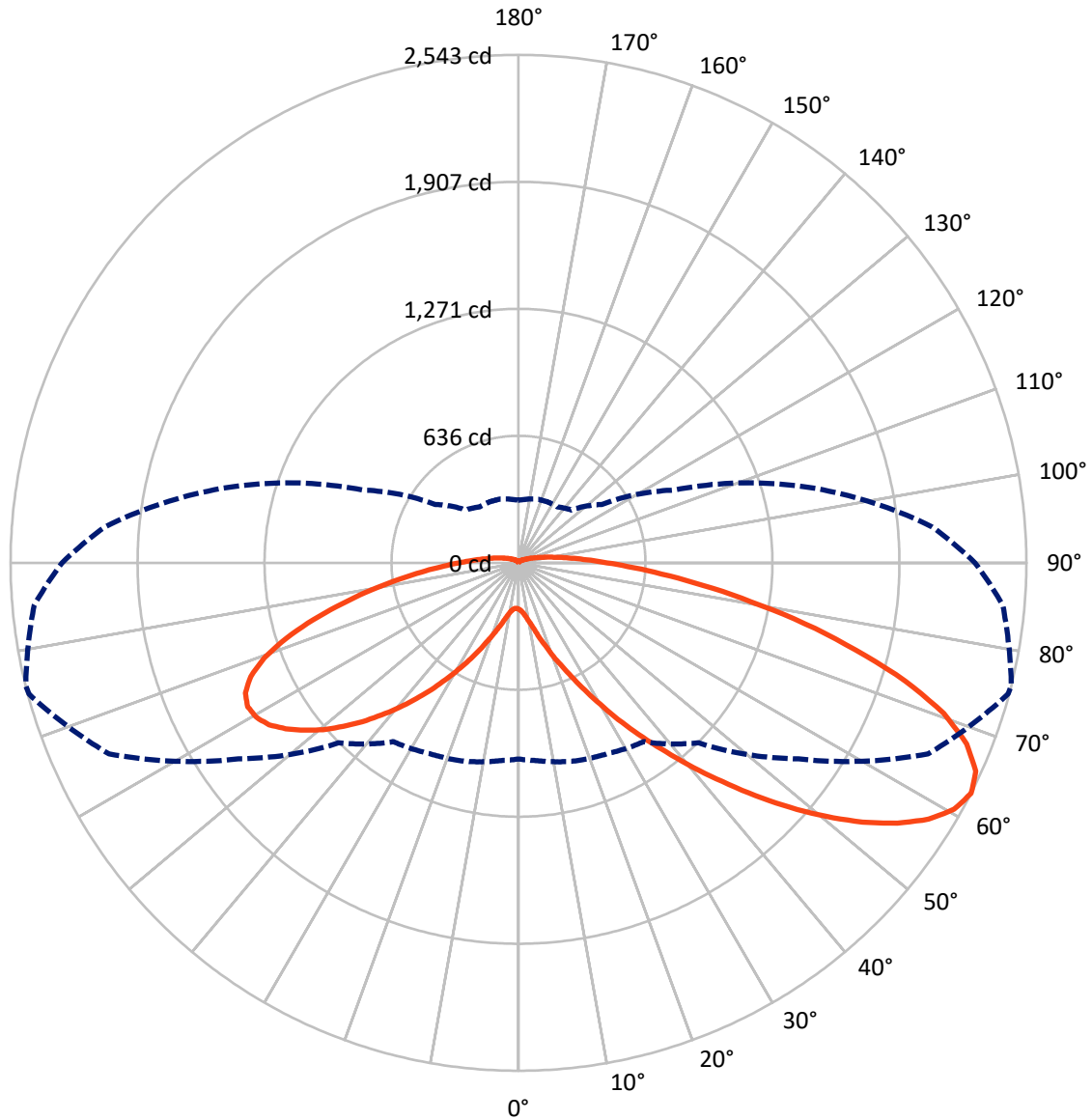
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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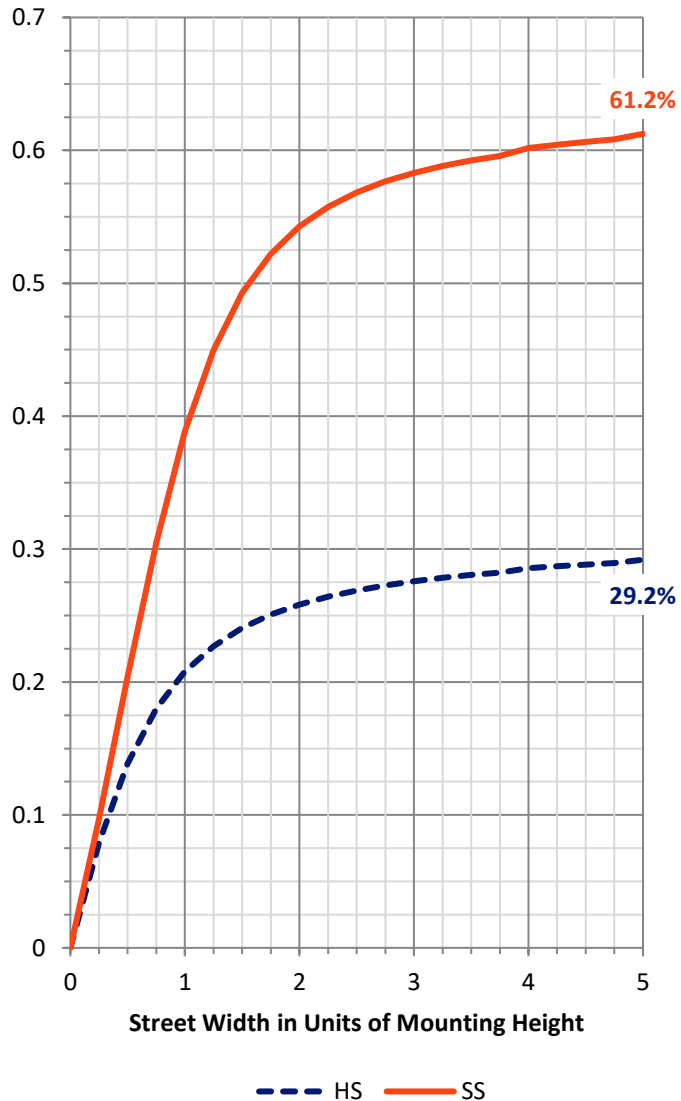
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1650.1	162.1	1812.1
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	3413.4	198.4	3611.8
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	5063.5	360.5	5424.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.2	0.4
10°-20°	99.8	1.8
20°-30°	254.9	4.7
30°-40°	509.3	9.4
40°-50°	823.0	15.2
50°-60°	1076.4	19.8
60°-70°	1092.1	20.1
70°-80°	785.2	14.5
80°-90°	398.7	7.4
90°-100°	180.3	3.3
100°-110°	88.5	1.6
110°-120°	47.3	0.9
120°-130°	26.1	0.5
130°-140°	13.1	0.2
140°-150°	4.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5063.5	93.4
0°-180°	5424.0	100.0

**Coefficient of Utilization**



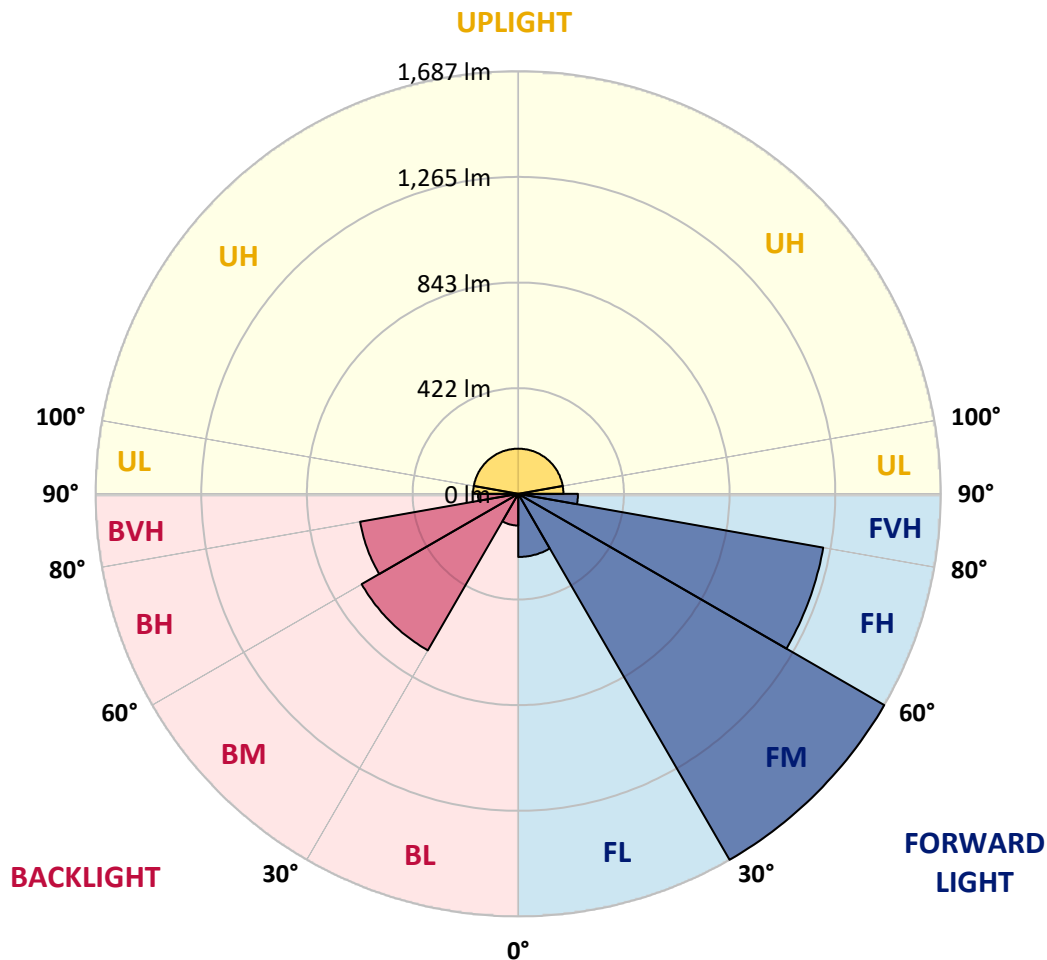
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.1	4.6			
FM (30°-60°)	1687.0	31.1			
FH (60°-80°)	1236.2	22.8			G1/1800
FVH (80°-90°)	238.1	4.4			G3/500
BL (0°-30°)	126.7	2.3	B1/500		
BM (30°-60°)	721.8	13.3	B1/1000		
BH (60°-80°)	641.1	11.8	B2/1000		G2/1000
BVH (80°-90°)	160.6	3.0			G2/225
UL (90°-100°)	180.3	3.3		U3/500	
UH (100°-180°)	180.2	3.3		U3/500	

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

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	259.1	257.2	257.2	255.2	253.3	251.3	247.4	243.5	239.7	239.7	235.8
5°	294.2	292.3	292.3	288.4	284.5	276.7	270.8	263.0	255.2	253.3	245.5
7.5°	333.2	335.1	333.2	327.3	321.5	311.7	300.0	288.4	274.7	272.8	261.1
10°	381.9	383.8	378.0	370.2	364.3	354.6	337.1	321.5	303.9	302.0	286.4
12.5°	440.3	436.4	436.4	426.7	415.0	397.5	378.0	360.4	339.0	335.1	317.6
15°	498.8	506.6	500.7	487.1	469.6	452.0	432.5	411.1	389.7	385.8	360.4
17.5°	567.0	576.7	568.9	553.3	535.8	512.4	494.9	467.6	442.3	436.4	407.2
20°	652.7	652.7	643.0	623.5	604.0	586.5	561.1	531.9	502.7	500.7	461.8
22.5°	738.4	734.5	724.8	703.4	680.0	660.5	631.3	604.0	574.8	565.0	531.9
25°	833.9	830.0	812.5	783.2	763.8	736.5	713.1	685.8	654.7	644.9	607.9
27.5°	931.3	927.4	906.0	878.7	847.5	820.3	796.9	775.5	736.5	736.5	693.6
30°	1032.6	1026.8	1001.5	972.2	933.3	906.0	892.4	870.9	843.6	837.8	785.2
32.5°	1128.1	1130.1	1104.7	1063.8	1022.9	995.6	989.8	983.9	954.7	952.8	896.3
35°	1227.5	1223.6	1196.3	1155.4	1112.5	1087.2	1089.1	1100.8	1075.5	1071.6	1003.4
37.5°	1317.1	1317.1	1287.9	1237.2	1190.5	1171.0	1198.3	1229.4	1211.9	1200.2	1130.1
40°	1398.9	1393.1	1367.8	1315.2	1262.5	1260.6	1309.3	1356.1	1350.2	1346.3	1260.6
42.5°	1459.3	1451.5	1428.2	1373.6	1326.8	1336.6	1416.5	1506.1	1504.1	1496.4	1404.8
45°	1492.5	1488.6	1467.1	1416.5	1371.7	1408.7	1525.6	1646.4	1667.8	1662.0	1550.9
47.5°	1498.3	1496.4	1478.8	1434.0	1400.9	1461.3	1632.7	1794.5	1827.6	1829.5	1702.9
50°	1474.9	1474.9	1463.2	1428.2	1408.7	1498.3	1716.5	1946.4	1993.2	1995.1	1856.8
52.5°	1418.4	1418.4	1418.4	1395.0	1391.1	1510.0	1786.7	2067.2	2158.8	2156.9	2016.6
55°	1338.5	1336.6	1344.4	1340.5	1346.3	1490.5	1819.8	2180.2	2306.9	2301.0	2162.7
57.5°	1239.2	1233.3	1252.8	1260.6	1278.1	1443.7	1825.6	2256.2	2425.7	2421.8	2281.5
60°	1110.6	1114.5	1143.7	1157.3	1188.5	1369.7	1786.7	2283.5	2505.6	2505.6	2380.9
62.5°	982.0	993.7	1028.7	1054.1	1093.0	1274.2	1710.7	2262.1	2536.8	2542.6	2433.5
65°	857.3	872.9	911.8	939.1	987.8	1157.3	1586.0	2178.3	2505.6	2515.4	2437.4
67.5°	744.3	748.2	791.0	822.2	872.9	1032.6	1443.7	2036.1	2402.3	2419.9	2375.1
70°	635.2	641.0	683.9	719.0	763.8	902.1	1274.2	1825.6	2228.9	2258.2	2236.7
72.5°	530.0	539.7	576.7	617.6	660.5	781.3	1093.0	1613.3	1995.1	2026.3	2038.0
75°	446.2	455.9	492.9	531.9	570.9	668.3	931.3	1365.8	1726.3	1743.8	1800.3
77.5°	370.2	381.9	413.1	452.0	487.1	568.9	771.6	1126.2	1451.5	1465.2	1513.9
80°	309.8	319.5	344.9	381.9	409.2	477.4	631.3	911.8	1163.2	1180.7	1223.6
82.5°	257.2	261.1	288.4	319.5	348.8	403.3	516.3	724.8	911.8	931.3	989.8
85°	216.3	218.2	241.6	266.9	294.2	335.1	420.8	567.0	703.4	717.0	759.9
87.5°	175.4	179.3	202.6	226.0	247.4	282.5	341.0	446.2	541.6	547.5	576.7
90°	146.1	150.0	169.5	190.9	212.4	235.8	280.6	344.9	413.1	417.0	434.5
92.5°	122.7	124.7	142.2	163.7	183.1	202.6	229.9	272.8	321.5	325.4	333.2
95°	103.3	105.2	120.8	138.3	155.9	171.5	192.9	220.2	249.4	251.3	259.1
97.5°	89.6	89.6	103.3	118.9	134.4	146.1	159.8	179.3	196.8	194.8	196.8
100°	76.0	76.0	87.7	103.3	116.9	126.6	134.4	144.2	152.0	153.9	153.9
102.5°	66.2	66.2	76.0	91.6	103.3	111.1	116.9	118.9	122.7	122.7	120.8
105°	56.5	58.5	66.2	79.9	89.6	97.4	99.4	99.4	97.4	97.4	97.4
107.5°	50.7	50.7	58.5	70.1	79.9	85.7	87.7	83.8	79.9	77.9	77.9
110°	46.8	46.8	52.6	62.3	72.1	76.0	76.0	70.1	64.3	66.2	64.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	40.9	42.9	46.8	56.5	64.3	68.2	66.2	60.4	54.6	52.6	52.6
115°	39.0	39.0	42.9	50.7	58.5	60.4	58.5	52.6	44.8	44.8	44.8
117.5°	35.1	35.1	39.0	44.8	50.7	54.6	50.7	44.8	37.0	37.0	37.0
120°	33.1	33.1	35.1	40.9	46.8	48.7	44.8	39.0	31.2	31.2	33.1
122.5°	31.2	31.2	33.1	37.0	40.9	42.9	40.9	33.1	27.3	27.3	29.2
125°	29.2	29.2	29.2	33.1	37.0	39.0	35.1	29.2	23.4	23.4	25.3
127.5°	27.3	27.3	27.3	29.2	33.1	33.1	31.2	25.3	21.4	21.4	23.4
130°	25.3	25.3	25.3	27.3	29.2	29.2	25.3	21.4	19.5	19.5	19.5
132.5°	23.4	23.4	23.4	23.4	25.3	25.3	21.4	17.5	15.6	17.5	17.5
135°	21.4	21.4	21.4	21.4	21.4	21.4	17.5	13.6	13.6	13.6	15.6
137.5°	19.5	19.5	19.5	17.5	17.5	17.5	13.6	11.7	11.7	11.7	13.6
140°	17.5	17.5	17.5	15.6	13.6	13.6	9.7	9.7	9.7	9.7	11.7
142.5°	15.6	15.6	15.6	13.6	11.7	9.7	7.8	7.8	7.8	7.8	9.7
145°	13.6	13.6	11.7	11.7	7.8	5.8	5.8	5.8	5.8	7.8	7.8
147.5°	11.7	11.7	9.7	7.8	5.8	3.9	1.9	3.9	3.9	3.9	5.8
150°	7.8	7.8	7.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	233.8	231.9	228.0	224.1	220.2	218.2	216.3	214.3	214.3	214.3	214.3
5°	241.6	235.8	228.0	220.2	212.4	206.5	200.7	196.8	194.8	192.9	192.9
7.5°	255.2	247.4	233.8	222.1	210.4	198.7	190.9	185.1	181.2	179.3	179.3
10°	274.7	265.0	247.4	229.9	212.4	198.7	187.0	179.3	173.4	171.5	169.5
12.5°	305.9	294.2	268.9	243.5	222.1	202.6	189.0	177.3	171.5	169.5	169.5
15°	346.8	331.2	298.1	266.9	237.7	212.4	196.8	189.0	185.1	181.2	181.2
17.5°	389.7	372.1	335.1	296.2	261.1	231.9	214.3	206.5	198.7	196.8	196.8
20°	446.2	422.8	376.0	329.3	288.4	259.1	237.7	222.1	214.3	212.4	212.4
22.5°	506.6	477.4	424.7	366.3	321.5	284.5	259.1	239.7	231.9	228.0	228.0
25°	574.8	547.5	479.3	409.2	358.5	313.7	280.6	259.1	249.4	247.4	247.4
27.5°	656.6	623.5	539.7	459.8	393.6	339.0	302.0	276.7	266.9	265.0	265.0
30°	752.1	705.3	605.9	514.4	430.6	362.4	317.6	294.2	282.5	282.5	282.5
32.5°	841.7	793.0	678.0	568.9	463.7	381.9	333.2	309.8	298.1	298.1	298.1
35°	950.8	894.3	756.0	621.5	492.9	399.4	344.9	321.5	311.7	309.8	309.8
37.5°	1071.6	999.5	833.9	670.2	520.2	411.1	354.6	331.2	321.5	319.5	319.5
40°	1192.4	1108.6	919.6	720.9	539.7	418.9	360.4	339.0	329.3	325.4	325.4
42.5°	1321.0	1225.5	1001.5	767.7	557.2	422.8	362.4	344.9	335.1	329.3	329.3
45°	1459.3	1346.3	1089.1	804.7	568.9	424.7	364.3	346.8	339.0	331.2	331.2
47.5°	1607.4	1474.9	1169.0	839.7	572.8	422.8	364.3	348.8	339.0	331.2	329.3
50°	1741.8	1599.6	1250.9	867.0	572.8	418.9	364.3	350.7	341.0	329.3	329.3
52.5°	1884.1	1722.4	1321.0	884.6	568.9	413.1	362.4	348.8	341.0	327.3	327.3
55°	2024.4	1839.3	1385.3	894.3	559.2	405.3	358.5	348.8	339.0	325.4	323.4
57.5°	2137.4	1946.4	1437.9	894.3	545.5	395.5	352.7	346.8	337.1	323.4	321.5
60°	2228.9	2028.3	1467.1	882.6	528.0	385.8	346.8	342.9	335.1	319.5	317.6
62.5°	2285.4	2077.0	1474.9	861.2	508.5	374.1	341.0	337.1	331.2	317.6	313.7
65°	2295.2	2082.8	1451.5	824.2	483.2	358.5	331.2	331.2	325.4	311.7	309.8
67.5°	2238.7	2026.3	1393.1	773.5	455.9	342.9	319.5	321.5	317.6	305.9	302.0
70°	2117.9	1917.2	1295.7	715.1	424.7	327.3	305.9	307.8	303.9	294.2	292.3
72.5°	1930.8	1737.9	1165.1	644.9	391.6	307.8	292.3	292.3	290.3	280.6	276.7
75°	1699.0	1531.4	1015.1	570.9	358.5	286.4	274.7	274.7	272.8	263.0	259.1
77.5°	1439.8	1293.7	859.2	498.8	323.4	265.0	253.3	255.2	253.3	241.6	241.6
80°	1163.2	1061.9	717.0	428.6	290.3	241.6	231.9	233.8	229.9	218.2	214.3
82.5°	933.3	849.5	580.6	366.3	257.2	220.2	210.4	210.4	204.6	194.8	192.9
85°	713.1	652.7	469.6	307.8	228.0	196.8	189.0	187.0	179.3	169.5	167.6
87.5°	555.3	504.6	376.0	261.1	198.7	175.4	167.6	163.7	155.9	146.1	144.2
90°	418.9	387.7	300.0	218.2	175.4	155.9	148.1	142.2	134.4	124.7	120.8
92.5°	325.4	305.9	243.5	187.0	152.0	138.3	130.5	124.7	115.0	107.2	103.3
95°	251.3	239.7	200.7	159.8	134.4	120.8	115.0	109.1	101.3	91.6	87.7
97.5°	198.7	189.0	163.7	136.4	118.9	109.1	101.3	95.5	85.7	77.9	76.0
100°	155.9	150.0	136.4	116.9	105.2	95.5	89.6	83.8	74.0	66.2	66.2
102.5°	122.7	120.8	113.0	101.3	93.5	85.7	79.9	74.0	66.2	58.5	56.5
105°	99.4	99.4	93.5	87.7	81.8	76.0	72.1	66.2	56.5	50.7	48.7
107.5°	79.9	81.8	79.9	77.9	72.1	68.2	64.3	56.5	48.7	42.9	42.9
110°	66.2	66.2	68.2	66.2	64.3	60.4	56.5	50.7	42.9	39.0	39.0

REPORT NUMBER: P696038  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.6	56.5	58.5	58.5	56.5	54.6	50.7	44.8	37.0	33.1	33.1
115°	46.8	46.8	50.7	50.7	50.7	48.7	44.8	39.0	33.1	29.2	31.2
117.5°	39.0	40.9	42.9	44.8	44.8	42.9	39.0	33.1	27.3	27.3	27.3
120°	35.1	35.1	37.0	39.0	39.0	39.0	35.1	29.2	25.3	23.4	23.4
122.5°	31.2	31.2	33.1	35.1	35.1	33.1	31.2	25.3	21.4	21.4	21.4
125°	27.3	27.3	29.2	31.2	31.2	29.2	25.3	21.4	19.5	19.5	19.5
127.5°	23.4	25.3	25.3	27.3	27.3	25.3	23.4	19.5	15.6	17.5	17.5
130°	21.4	21.4	23.4	23.4	23.4	21.4	19.5	15.6	15.6	15.6	15.6
132.5°	19.5	19.5	19.5	19.5	19.5	19.5	15.6	13.6	13.6	13.6	13.6
135°	15.6	17.5	17.5	17.5	17.5	15.6	13.6	11.7	11.7	11.7	13.6
137.5°	13.6	13.6	15.6	13.6	13.6	13.6	9.7	9.7	9.7	11.7	11.7
140°	11.7	11.7	11.7	11.7	11.7	9.7	7.8	7.8	9.7	9.7	9.7
142.5°	9.7	9.7	9.7	9.7	7.8	7.8	5.8	5.8	7.8	7.8	9.7
145°	7.8	7.8	7.8	7.8	5.8	5.8	3.9	5.8	5.8	7.8	7.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)