

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: P415678

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4516 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

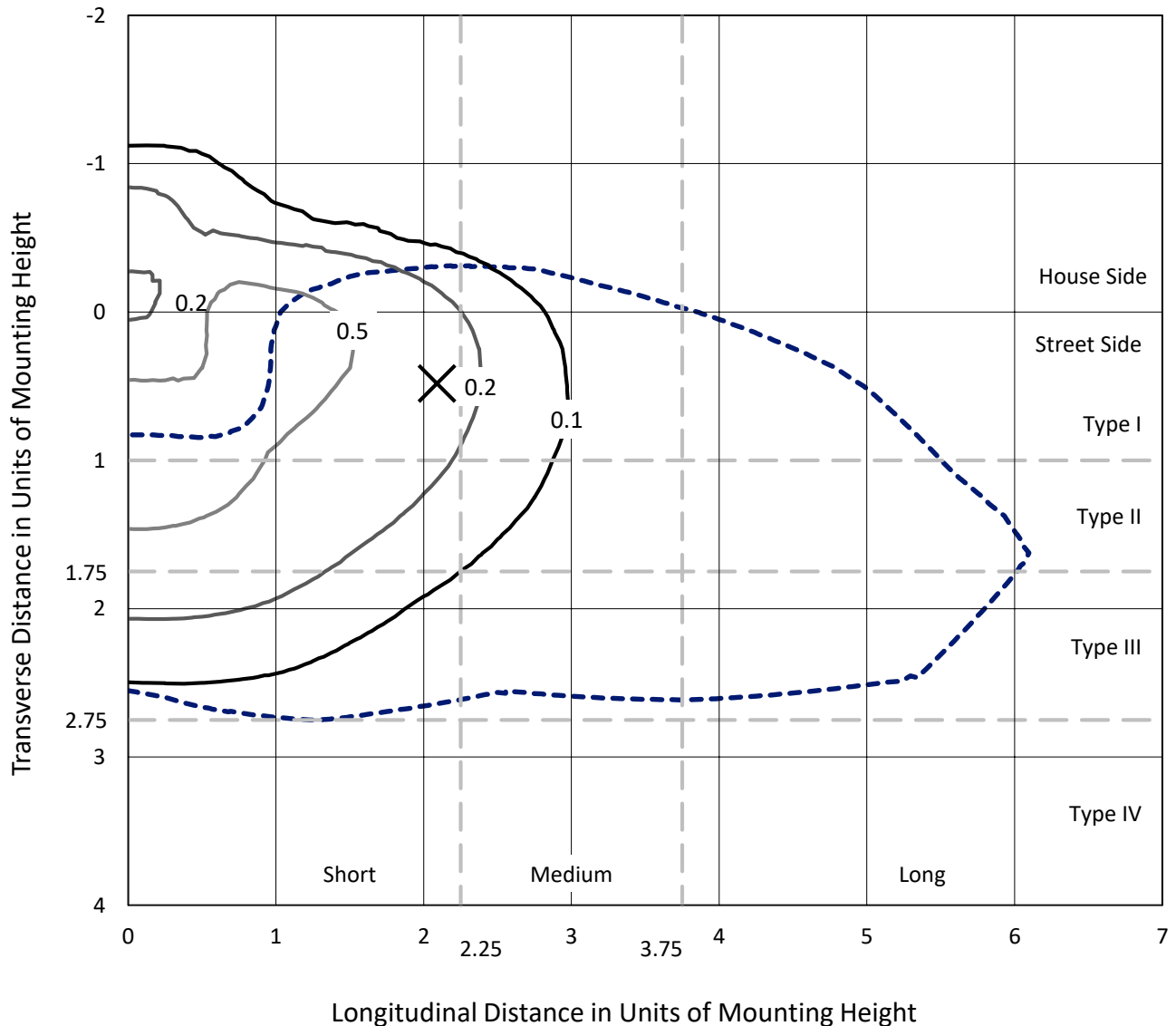
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

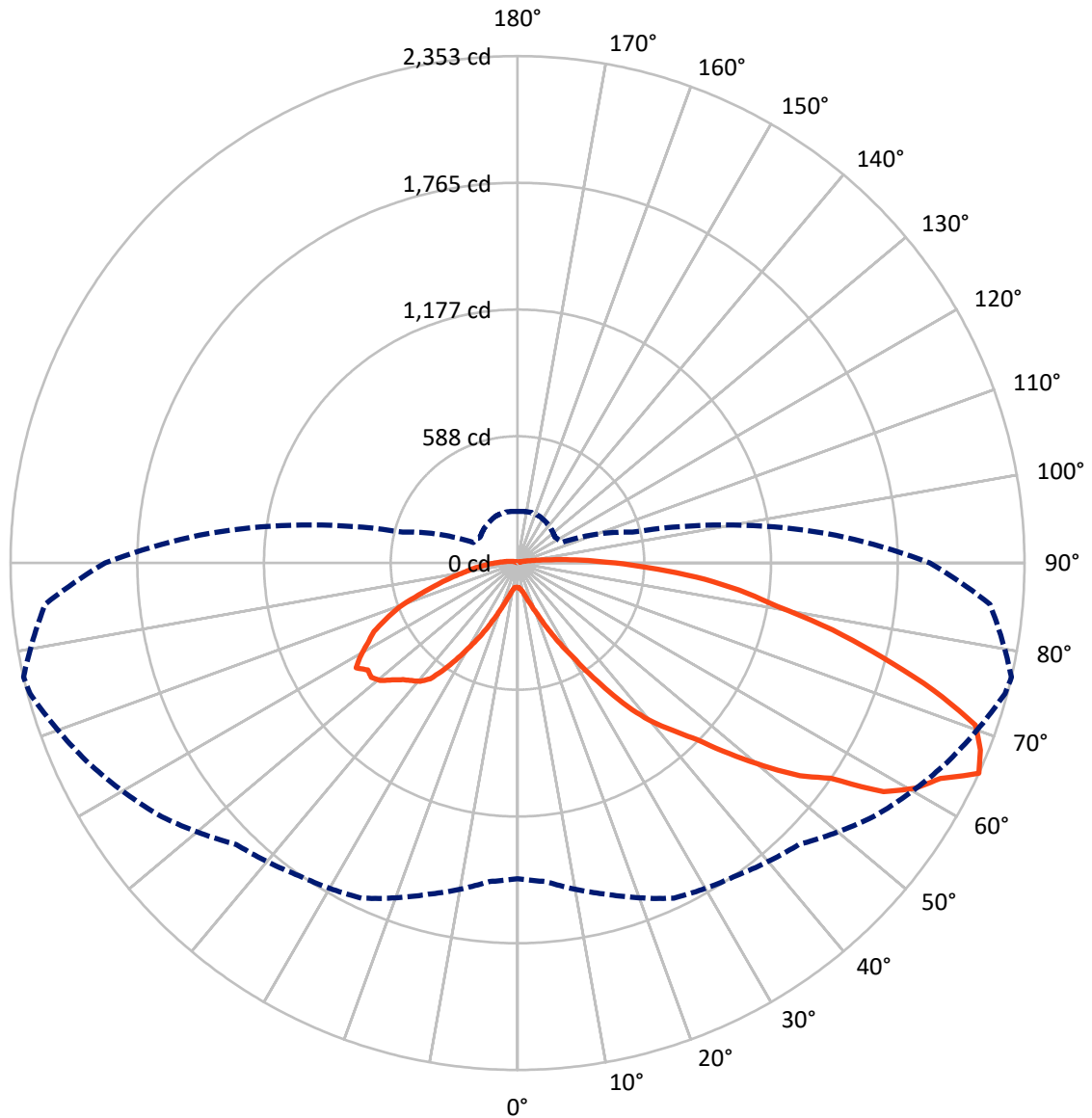


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	995.1	70.8	1065.9
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	3361.6	88.5	3450.1
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	4356.8	159.2	4516.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	0.3
10°-20°	49.5	1.1
20°-30°	144.9	3.2
30°-40°	347.0	7.7
40°-50°	624.8	13.8
50°-60°	950.3	21.0
60°-70°	1121.1	24.8
70°-80°	772.6	17.1
80°-90°	335.0	7.4
90°-100°	97.8	2.2
100°-110°	30.6	0.7
110°-120°	14.3	0.3
120°-130°	8.4	0.2
130°-140°	5.1	0.1
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4356.8	96.5
0°-180°	4516.0	100.0



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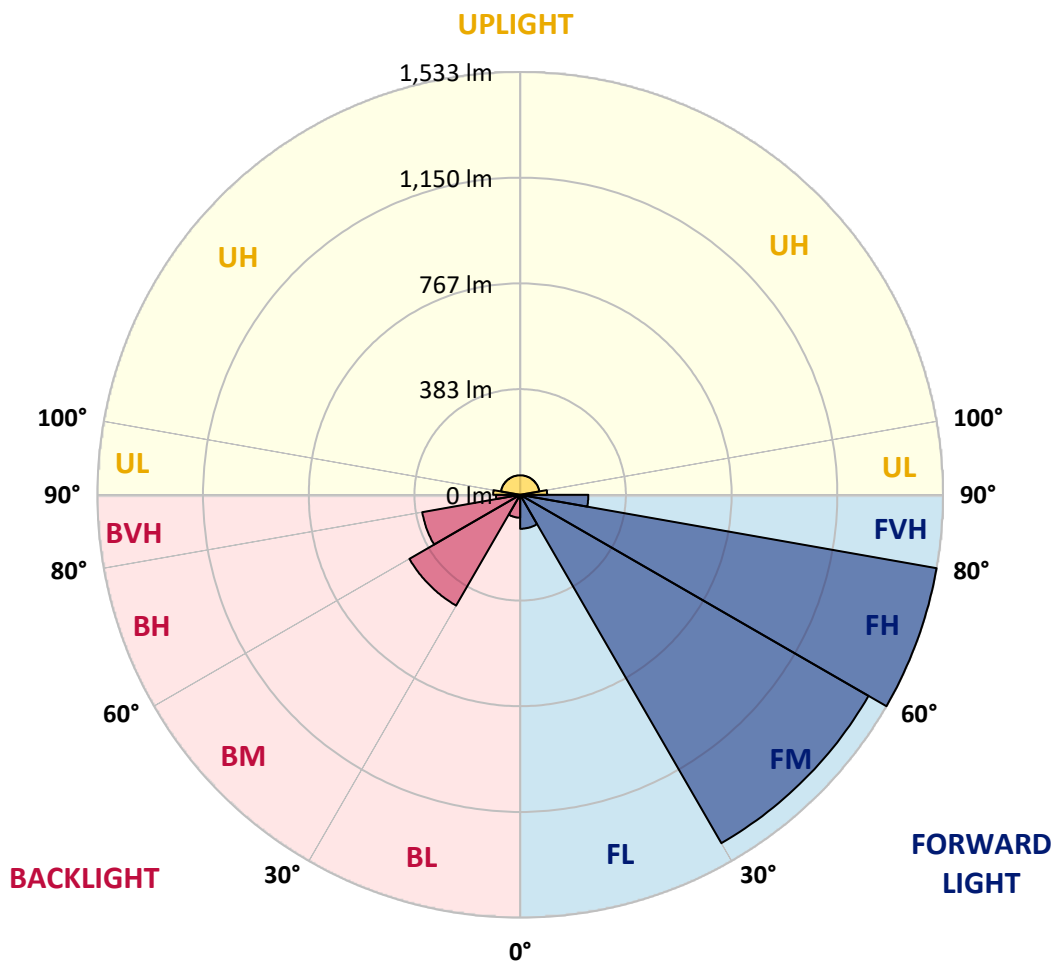
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.1	2.7			
FM	(30°-60°)	1458.3	32.3			
FH	(60°-80°)	1533.1	33.9			G1/1800
FVH	(80°-90°)	247.1	5.5			G3/500
BL	(0°-30°)	83.0	1.8	B0/110		
BM	(30°-60°)	463.8	10.3	B1/1000		
BH	(60°-80°)	360.5	8.0	B1/500		G1/500
BVH	(80°-90°)	87.8	1.9			G1/100
UL	(90°-100°)	97.8	2.2		U3/500	
UH	(100°-180°)	70.8	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	122.0	121.5	121.5	122.0	121.0	119.9	118.4	116.8	115.2	115.2	114.2
5°	131.9	131.3	131.3	131.3	129.3	127.7	124.1	122.0	119.9	118.9	117.3
7.5°	144.8	143.3	143.8	143.3	140.2	137.0	133.4	129.3	126.7	126.1	123.0
10°	162.0	160.9	159.9	157.8	154.7	149.5	144.3	140.7	137.0	136.5	132.9
12.5°	186.4	185.3	183.2	178.6	171.8	165.6	160.4	156.2	154.2	153.1	149.5
15°	215.9	212.8	211.8	204.5	195.2	187.9	182.2	179.6	177.5	177.5	172.9
17.5°	250.7	250.7	245.5	235.7	223.7	214.9	209.2	204.5	206.1	205.6	203.0
20°	293.8	292.8	285.0	272.0	257.5	249.2	241.9	239.3	241.4	243.5	243.5
22.5°	356.1	353.5	341.6	321.8	300.6	287.1	281.9	281.4	289.7	292.3	295.4
25°	426.2	422.5	407.5	383.6	357.1	336.4	329.1	334.8	349.9	355.6	361.8
27.5°	510.8	508.7	485.9	453.2	421.5	394.5	386.2	403.9	424.1	426.2	438.6
30°	619.8	620.8	589.7	542.5	488.5	460.4	451.1	472.4	502.5	504.6	529.5
32.5°	745.9	745.9	699.2	642.1	572.6	533.1	524.3	558.6	605.8	613.1	636.9
35°	906.9	897.5	837.8	755.8	668.6	609.9	608.9	662.4	727.3	734.5	760.5
37.5°	1051.2	1056.9	996.2	889.2	771.4	703.9	712.7	780.7	862.7	864.8	892.9
40°	1207.4	1213.7	1142.0	1030.4	885.6	809.8	827.4	890.8	972.3	973.8	983.7
42.5°	1329.9	1346.0	1279.1	1162.8	1016.4	930.2	934.4	993.6	1056.4	1064.2	1070.9
45°	1403.1	1415.1	1378.2	1285.3	1131.6	1050.7	1040.8	1089.1	1171.1	1169.0	1178.9
47.5°	1518.4	1532.4	1475.8	1391.2	1261.4	1161.2	1148.8	1211.6	1312.3	1322.7	1313.3
50°	1637.8	1656.4	1615.4	1516.8	1382.9	1285.3	1286.8	1358.5	1475.8	1479.4	1485.1
52.5°	1721.3	1734.8	1718.7	1650.2	1508.0	1419.2	1433.2	1518.9	1634.1	1640.9	1618.0
55°	1734.3	1755.1	1768.1	1752.5	1645.0	1557.3	1593.1	1678.8	1756.6	1762.3	1744.7
57.5°	1730.2	1747.3	1774.8	1786.7	1732.8	1699.5	1745.7	1833.5	1983.5	2002.7	1993.9
60°	1725.5	1737.9	1795.0	1812.7	1782.1	1808.5	1882.3	2038.5	2121.0	2122.6	2042.1
62.5°	1595.7	1616.5	1723.9	1812.7	1804.4	1854.7	2016.2	2124.7	2190.1	2202.0	2125.2
65°	1465.4	1483.6	1591.6	1716.1	1771.2	1847.0	2036.9	2196.8	2342.2	2353.1	2201.0
67.5°	1277.0	1305.5	1423.4	1573.4	1640.9	1761.8	1982.4	2222.3	2312.6	2317.3	2143.4
70°	1040.3	1079.2	1212.1	1370.4	1451.4	1573.9	1860.5	2131.4	2257.6	2255.0	2047.9
72.5°	749.6	784.4	905.8	1093.7	1220.4	1354.3	1637.2	1950.8	2022.4	2019.8	1742.1
75°	509.2	527.9	619.3	791.1	973.3	1130.6	1410.4	1692.3	1753.0	1748.3	1492.4
77.5°	333.8	355.1	414.2	561.1	730.9	912.1	1184.1	1416.6	1512.1	1495.0	1265.0
80°	204.5	216.5	265.3	378.9	553.9	736.1	979.0	1198.6	1247.9	1223.0	1033.0
82.5°	127.7	137.0	171.8	250.2	397.6	568.4	803.0	1009.1	1064.2	1036.1	849.8
85°	78.4	83.1	106.9	164.6	269.9	417.9	645.8	818.6	852.4	832.1	640.6
87.5°	57.1	58.1	73.2	111.1	182.2	299.0	475.5	616.7	641.1	603.7	449.0
90°	42.0	44.1	54.0	78.4	126.7	203.0	327.6	434.0	440.2	417.4	300.0
92.5°	31.7	32.7	40.5	55.5	87.2	138.6	218.5	290.7	285.0	268.9	186.4
95°	22.8	23.4	29.1	39.5	61.3	92.9	139.1	182.2	164.0	157.3	113.2
97.5°	18.7	19.2	23.4	30.6	45.2	65.4	89.8	108.5	96.6	92.4	72.7
100°	16.1	16.1	19.7	25.4	35.3	48.8	59.7	68.0	62.3	60.2	51.4
102.5°	14.5	14.5	17.1	21.3	29.1	38.4	44.1	46.7	43.6	42.0	37.9
105°	13.0	13.0	15.1	18.2	24.4	31.1	33.7	34.3	31.1	30.6	29.1
107.5°	11.9	11.9	13.5	16.1	20.8	26.0	27.0	25.4	23.9	22.8	22.8
110°	10.4	10.9	11.9	14.0	18.2	21.8	21.8	19.7	17.6	17.6	18.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	9.9	9.9	10.9	13.0	16.1	18.7	17.6	15.6	14.0	14.0	15.1
115°	8.8	8.8	9.9	11.9	14.5	16.1	15.1	13.0	11.4	11.9	13.0
117.5°	8.3	8.3	9.3	10.9	13.0	14.0	13.0	10.9	9.9	10.4	11.9
120°	8.3	8.3	9.3	10.4	11.9	12.5	11.4	9.3	8.8	8.8	10.4
122.5°	8.3	8.3	8.8	10.4	11.4	11.4	9.9	8.3	7.8	7.8	9.3
125°	8.3	8.3	9.3	10.4	10.4	10.4	8.8	7.3	6.7	7.3	8.3
127.5°	8.8	8.8	9.3	9.9	9.9	9.3	7.8	6.7	6.2	6.7	7.8
130°	8.8	8.8	9.3	9.9	9.3	8.3	7.3	6.2	6.2	6.2	7.8
132.5°	8.8	8.8	9.3	9.3	8.8	7.3	6.2	5.2	5.7	6.2	7.3
135°	8.3	8.3	8.3	8.3	7.8	6.7	5.2	4.7	5.2	5.7	6.7
137.5°	7.8	7.8	7.8	7.8	6.7	5.7	4.2	3.6	4.7	4.7	5.7
140°	6.7	6.7	7.3	6.7	6.2	4.7	3.6	2.6	3.6	3.6	4.7
142.5°	6.2	6.2	6.2	6.2	5.2	4.2	2.6	2.6	3.1	3.1	3.6
145°	5.2	5.2	5.7	5.2	4.2	3.1	2.1	2.1	2.6	2.6	3.1
147.5°	4.2	4.7	4.7	4.2	3.6	2.6	1.6	1.6	2.1	2.1	2.6
150°	3.6	3.6	3.6	3.6	2.6	1.6	1.0	1.6	2.1	2.1	2.1
152.5°	2.6	2.6	3.1	3.1	2.1	1.0	1.0	1.6	1.6	1.6	2.1
155°	2.1	2.1	2.6	2.1	1.6	0.5	1.0	1.0	1.6	1.6	1.6
157.5°	1.0	1.0	1.6	1.6	1.0	0.5	0.5	1.0	1.0	1.0	1.6
160°	0.5	0.5	1.6	1.6	1.0	0.5	0.5	0.5	1.0	1.0	1.0
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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	113.7	112.6	112.1	111.1	110.0	109.0	109.0	109.0	108.5	108.0	108.5
5°	115.8	115.2	112.6	110.6	108.5	107.5	106.4	105.9	105.9	104.9	104.9
7.5°	121.5	119.4	115.8	112.1	110.0	108.0	106.4	105.9	105.4	104.3	104.3
10°	130.3	127.7	123.5	117.8	114.2	110.6	109.0	109.0	108.5	108.0	108.0
12.5°	146.9	143.8	136.5	128.7	121.5	116.3	115.2	116.8	119.9	120.4	120.4
15°	171.3	167.7	158.3	145.9	134.4	127.2	128.2	132.4	136.5	138.1	138.1
17.5°	201.4	197.3	183.8	165.6	150.5	143.8	143.3	149.0	154.7	157.8	157.8
20°	241.9	235.2	217.5	191.5	170.8	163.0	159.9	165.1	173.9	177.5	176.5
22.5°	292.3	284.5	259.6	220.1	194.1	180.1	176.0	181.7	192.6	197.3	196.7
25°	358.7	350.9	310.4	255.9	217.0	195.2	192.6	200.9	217.0	226.3	225.3
27.5°	436.0	423.1	369.1	295.9	239.3	207.6	208.2	222.2	238.8	249.2	248.1
30°	518.6	502.0	428.3	334.3	260.1	221.7	220.6	237.2	254.4	265.3	265.3
32.5°	627.6	603.2	496.8	371.2	276.2	232.6	228.9	247.6	265.3	276.7	276.2
35°	744.4	711.7	568.4	410.1	289.7	238.3	234.1	253.3	271.5	285.0	285.0
37.5°	878.3	822.8	635.4	437.1	299.0	241.4	235.7	257.5	279.8	293.8	292.8
40°	948.9	886.6	667.6	449.0	300.6	241.9	238.3	261.1	279.8	285.0	282.4
42.5°	1027.8	947.4	681.1	434.5	294.8	240.9	239.8	257.5	265.8	264.2	262.7
45°	1127.5	1019.0	694.0	416.3	281.4	239.3	237.2	247.6	248.1	241.9	239.8
47.5°	1254.7	1117.6	715.3	394.5	267.9	235.7	233.1	237.7	228.9	217.5	213.9
50°	1391.2	1231.8	741.8	375.8	255.4	231.0	228.4	226.8	218.0	206.6	204.5
52.5°	1510.1	1309.2	749.1	356.1	247.1	227.9	224.8	223.2	214.9	201.9	199.3
55°	1616.5	1375.1	723.6	326.5	240.3	225.8	224.8	224.8	215.9	202.4	199.9
57.5°	1826.7	1532.9	733.0	296.4	231.5	225.3	226.8	227.4	219.1	206.1	203.5
60°	1832.9	1502.8	678.5	275.1	223.7	225.3	228.9	230.0	224.3	215.4	213.9
62.5°	1892.6	1503.8	605.3	247.6	218.5	224.3	230.5	234.1	234.6	229.4	228.4
65°	1914.4	1482.0	552.3	225.8	211.3	221.7	231.0	239.8	242.9	240.3	239.3
67.5°	1830.9	1381.8	480.2	211.3	204.0	217.5	230.5	241.4	248.1	249.7	249.7
70°	1720.8	1269.2	415.8	197.3	196.2	211.8	226.8	241.4	250.7	254.9	254.9
72.5°	1441.5	1042.4	343.1	182.7	185.8	203.0	219.1	236.7	247.1	250.7	249.2
75°	1205.9	858.1	282.4	170.3	175.5	192.1	208.2	225.3	232.6	234.6	233.1
77.5°	1020.0	713.8	232.0	158.8	163.0	178.1	192.6	204.5	209.2	208.2	205.6
80°	822.3	557.0	190.5	144.8	149.0	160.9	171.3	180.6	185.3	182.7	181.2
82.5°	654.6	442.8	162.5	132.4	133.9	143.8	151.1	158.3	166.1	164.0	159.9
85°	484.3	326.0	138.1	118.9	118.9	126.1	129.8	136.5	147.4	146.9	145.3
87.5°	331.2	232.0	117.3	105.4	104.9	109.0	111.1	118.4	132.4	132.9	131.3
90°	218.0	158.8	98.1	91.4	90.3	93.4	95.0	101.2	112.6	113.7	111.6
92.5°	141.7	110.0	80.5	77.3	76.8	79.4	78.9	83.1	90.8	90.3	88.8
95°	90.8	76.8	65.4	63.8	62.3	65.4	64.4	65.4	69.6	68.5	68.5
97.5°	62.8	58.7	54.0	51.4	50.4	53.5	52.4	52.4	54.5	52.4	51.4
100°	48.3	46.7	44.6	42.6	40.5	43.1	43.1	43.1	44.6	41.5	40.5
102.5°	37.4	36.9	36.9	35.3	33.7	35.8	36.3	36.9	36.3	33.2	32.7
105°	29.6	29.6	30.6	29.1	28.6	30.1	30.6	30.1	30.1	27.5	27.5
107.5°	23.4	24.4	25.4	24.4	24.4	25.4	25.4	25.4	24.4	22.8	23.4
110°	19.2	20.2	21.8	20.8	20.8	21.8	21.3	20.8	20.2	19.7	19.7



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

**CANDELA DISTRIBUTION (continued):**

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