

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: P417334

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-827-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7156 lumens  
Efficiency: N/A  
Efficacy: 76.1 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): 94  
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

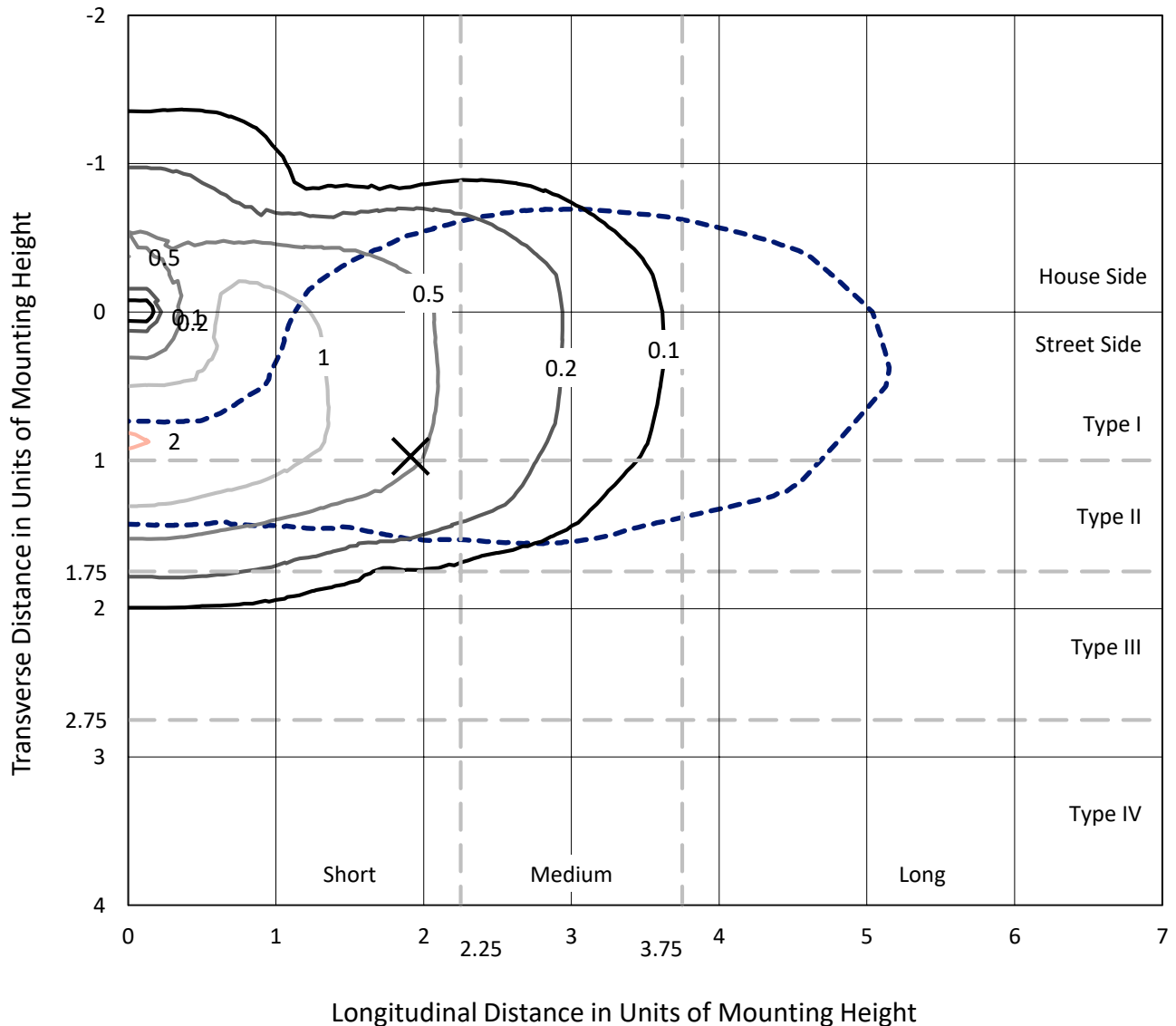


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

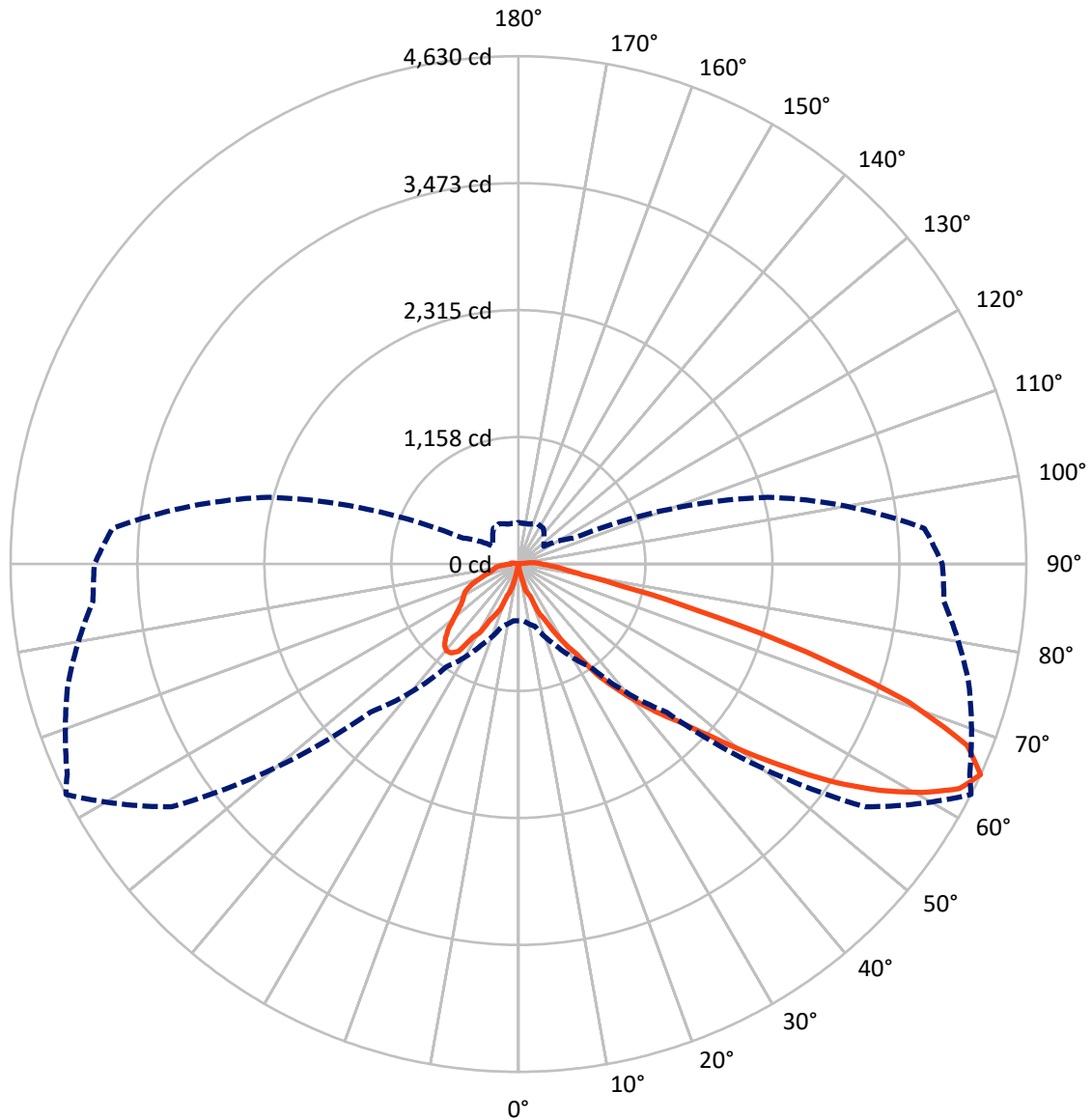


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2036.5	59.1	2095.6
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	5005.3	55.1	5060.4
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	7041.8	114.2	7156.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	64.3	0.9
20°-30°	262.9	3.7
30°-40°	683.1	9.5
40°-50°	1298.9	18.2
50°-60°	1748.6	24.4
60°-70°	1656.5	23.1
70°-80°	1038.0	14.5
80°-90°	285.0	4.0
90°-100°	79.8	1.1
100°-110°	14.8	0.2
110°-120°	7.2	0.1
120°-130°	5.2	0.1
130°-140°	3.4	0.0
140°-150°	2.8	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7041.8	98.4
0°-180°	7156.0	100.0



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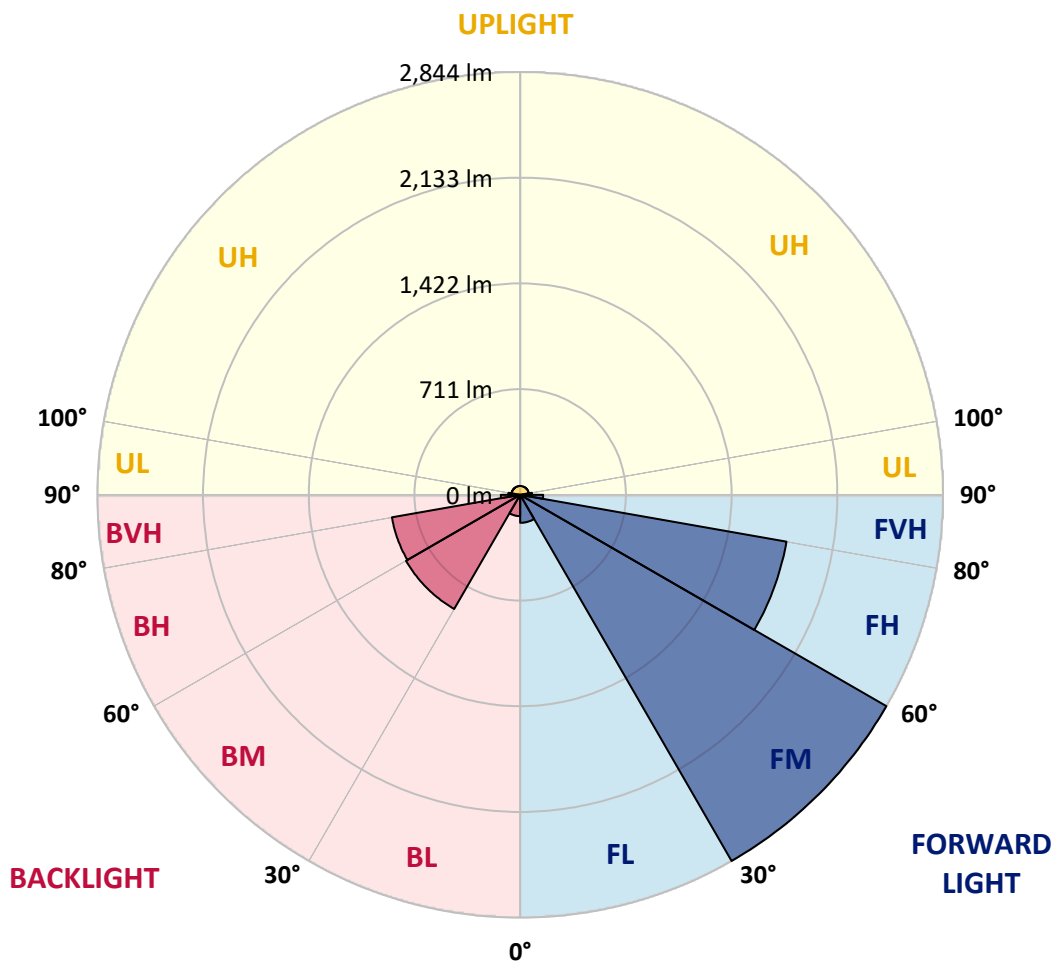
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.3	2.6			
FM (30°-60°)	2843.9	39.7			
FH (60°-80°)	1818.5	25.4			G2/5000
FVH (80°-90°)	154.6	2.2			G2/225
BL (0°-30°)	143.4	2.0	B1/500		
BM (30°-60°)	886.7	12.4	B1/1000		
BH (60°-80°)	876.0	12.2	B2/1000		G2/1000
BVH (80°-90°)	130.4	1.8			G2/225
UL (90°-100°)	79.8	1.1		U3/500	
UH (100°-180°)	59.1	0.8		U3/500	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	9.5	8.7	9.5	9.5	8.7	7.9	7.1	6.3	5.5	4.0	3.2
5°	111.7	112.5	111.0	108.6	38.8	17.4	10.3	7.9	7.1	4.8	4.0
7.5°	128.4	127.6	126.8	125.2	119.7	112.5	61.0	14.3	11.1	6.3	4.0
10°	141.1	139.5	135.5	134.7	129.2	125.2	115.7	74.5	62.6	11.1	7.9
12.5°	256.8	251.2	246.5	203.7	142.7	134.7	129.2	112.5	110.2	70.5	105.4
15°	268.7	269.5	266.3	261.5	250.4	168.0	209.2	253.6	252.8	218.7	215.6
17.5°	305.1	302.8	290.9	279.0	275.0	298.8	296.4	282.9	282.9	250.4	237.0
20°	471.6	467.6	460.5	383.6	341.6	386.0	362.2	315.4	317.0	386.8	420.1
22.5°	546.1	544.5	530.2	496.1	483.5	425.6	477.1	493.8	484.2	489.8	469.2
25°	747.4	739.5	676.8	616.6	623.7	574.6	573.8	563.5	558.0	533.4	570.6
27.5°	951.1	944.7	930.5	845.7	720.4	692.7	648.3	707.7	691.9	749.0	761.6
30°	1260.2	1202.3	1081.8	1024.8	983.6	851.2	838.5	856.7	852.0	836.1	821.9
32.5°	1581.9	1558.2	1487.6	1279.2	1148.4	1072.3	1035.1	978.8	952.6	1123.0	1134.9
35°	1918.0	1895.8	1723.0	1601.7	1377.5	1253.8	1233.2	1241.1	1206.3	1289.5	1269.7
37.5°	2509.2	2498.1	2324.6	1948.1	1713.5	1471.8	1443.2	1433.7	1379.0	1439.3	1440.1
40°	2888.9	2870.6	2678.8	2401.4	2023.4	1822.1	1683.4	1628.7	1614.4	1617.6	1618.4
42.5°	3171.0	3141.7	3029.9	2774.7	2380.0	2143.9	1948.1	1842.7	1871.2	1815.7	1812.6
45°	3354.1	3338.2	3236.8	3023.6	2750.2	2632.9	2286.5	2048.7	2144.6	2045.6	2040.8
47.5°	3395.3	3388.2	3317.6	3210.6	3096.5	3047.4	2694.7	2330.9	2418.9	2375.3	2286.5
50°	3216.2	3222.5	3196.4	3235.2	3359.6	3415.9	3125.0	2705.0	2753.3	2649.5	2536.2
52.5°	2824.7	2823.9	2919.0	3091.0	3456.3	3681.4	3523.7	3094.1	3091.7	2903.9	2775.5
55°	2267.5	2310.3	2471.2	2738.3	3324.0	3803.5	3901.7	3522.1	3455.5	3201.1	2988.7
57.5°	1727.8	1783.2	1980.6	2223.1	2947.5	3717.1	4176.8	3893.8	3824.9	3469.0	3214.6
60°	1169.0	1190.4	1439.3	1719.8	2344.4	3385.0	4305.9	4229.1	4153.0	3742.4	3442.9
62.5°	779.1	798.1	940.8	1282.4	1681.0	2751.0	4222.7	4512.0	4411.4	4065.8	3681.4
65°	518.3	518.3	588.9	825.0	1143.7	1910.1	3858.1	4630.1	4539.0	4252.8	3893.0
67.5°	382.0	388.4	411.3	531.8	779.1	1142.9	3068.8	4412.1	4421.7	4274.2	3960.4
70°	346.3	350.3	370.1	401.0	556.4	680.0	2028.1	3779.7	3943.7	4112.6	3874.0
72.5°	302.8	304.3	336.0	369.3	438.3	521.5	1179.3	2747.0	3091.7	3760.7	3636.2
75°	253.6	256.0	281.4	331.3	378.8	437.5	627.7	1672.3	2015.5	3228.9	3321.6
77.5°	206.1	211.6	232.2	271.1	347.9	367.0	481.9	955.8	1167.4	2404.6	2808.0
80°	158.5	164.1	182.3	213.2	284.5	324.2	400.2	588.1	707.7	1494.8	1962.4
82.5°	108.6	112.5	130.8	153.8	203.7	270.3	331.3	433.5	468.4	817.9	1082.6
85°	76.9	79.3	91.1	101.4	126.8	177.5	276.6	344.0	353.5	433.5	440.7
87.5°	43.6	42.8	44.4	51.5	57.9	69.0	163.3	252.0	263.9	302.0	280.6
90°	30.1	29.3	24.6	23.8	26.9	29.3	92.7	200.5	210.8	243.3	249.7
92.5°	31.7	30.1	23.8	22.2	25.4	26.9	61.8	175.2	197.3	243.3	256.8
95°	30.1	28.5	21.4	19.0	23.0	23.8	38.0	120.5	155.3	227.5	251.2
97.5°	26.2	24.6	17.4	15.9	19.0	19.0	21.4	55.5	76.1	106.2	119.7
100°	21.4	19.8	14.3	12.7	13.5	14.3	13.5	27.7	27.7	29.3	23.0
102.5°	19.0	18.2	11.9	10.3	9.5	9.5	8.7	13.5	14.3	15.9	19.8
105°	16.6	15.9	10.3	8.7	7.1	7.1	6.3	8.7	9.5	13.5	19.0
107.5°	11.9	11.9	8.7	7.1	6.3	6.3	4.8	7.1	7.9	11.9	19.8
110°	7.9	7.9	6.3	6.3	5.5	6.3	4.8	7.1	7.1	9.5	15.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.3	6.3	5.5	4.8	4.0	4.8	5.5	6.3	6.3	7.1	9.5
115°	6.3	5.5	4.8	4.0	3.2	4.0	4.0	5.5	5.5	7.1	9.5
117.5°	6.3	6.3	4.8	4.0	3.2	3.2	4.0	4.8	4.8	7.1	10.3
120°	6.3	6.3	4.8	4.0	3.2	2.4	3.2	4.8	4.8	6.3	9.5
122.5°	6.3	6.3	4.8	4.0	3.2	2.4	3.2	4.0	4.0	5.5	9.5
125°	7.1	7.1	5.5	4.0	3.2	2.4	3.2	3.2	3.2	5.5	8.7
127.5°	7.1	7.1	5.5	4.0	3.2	2.4	3.2	3.2	3.2	4.8	7.1
130°	7.1	7.1	5.5	4.0	3.2	2.4	3.2	2.4	2.4	4.0	6.3
132.5°	7.1	6.3	5.5	4.8	4.0	3.2	3.2	2.4	2.4	2.4	4.8
135°	6.3	6.3	5.5	4.8	4.0	3.2	3.2	2.4	2.4	2.4	3.2
137.5°	6.3	6.3	6.3	5.5	4.8	4.0	3.2	2.4	2.4	2.4	2.4
140°	7.1	7.1	7.1	6.3	4.8	4.0	3.2	2.4	2.4	2.4	2.4
142.5°	7.9	7.9	7.9	7.1	4.8	4.0	4.0	2.4	2.4	2.4	2.4
145°	8.7	8.7	8.7	7.1	4.8	4.0	4.0	3.2	3.2	2.4	3.2
147.5°	9.5	9.5	8.7	7.1	4.0	3.2	3.2	3.2	3.2	3.2	3.2
150°	8.7	7.9	7.9	5.5	3.2	1.6	2.4	2.4	2.4	3.2	3.2
152.5°	6.3	6.3	5.5	4.0	2.4	0.8	1.6	1.6	2.4	2.4	2.4
155°	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	3.2	3.2	4.0	4.8	4.8	5.5	5.5	5.5	5.5	5.5	5.5
5°	3.2	3.2	4.0	4.8	5.5	6.3	7.1	7.1	7.1	7.9	7.9
7.5°	4.0	4.0	4.0	5.5	6.3	8.7	23.8	71.3	110.2	113.3	114.9
10°	7.9	7.9	7.9	7.9	17.4	101.4	126.0	131.6	134.7	137.1	137.1
12.5°	106.2	105.4	38.0	19.0	87.2	131.6	139.5	143.5	146.6	149.0	149.8
15°	215.6	216.4	216.4	218.7	158.5	143.5	151.4	223.5	264.7	272.6	275.8
17.5°	236.2	236.2	235.4	262.3	294.8	233.0	260.0	283.7	291.7	295.6	297.2
20°	431.1	430.4	347.1	301.2	311.5	386.8	290.9	302.0	308.3	367.7	369.3
22.5°	475.5	473.2	462.9	465.2	367.0	418.5	398.7	386.8	424.0	422.4	424.0
25°	584.1	527.0	504.9	500.1	531.8	435.1	462.1	400.2	409.7	408.2	409.7
27.5°	764.8	744.2	692.7	585.7	566.7	537.4	462.9	420.1	472.4	484.2	485.8
30°	820.3	794.1	739.5	744.2	631.7	546.9	451.0	465.2	447.0	445.4	442.2
32.5°	1124.6	1090.6	1008.1	811.6	703.8	513.6	453.3	423.2	432.7	464.4	466.0
35°	1253.0	1214.2	1156.3	1035.9	682.4	504.1	414.5	412.9	419.3	420.1	418.5
37.5°	1398.9	1348.1	1293.4	1091.3	712.5	456.5	386.8	387.6	401.8	429.6	426.4
40°	1568.5	1512.2	1423.4	1123.8	639.6	428.0	368.5	380.4	395.5	389.1	383.6
42.5°	1759.5	1667.5	1528.0	1117.5	556.4	394.7	363.8	371.7	369.3	357.4	354.3
45°	1956.8	1859.3	1630.3	1064.4	481.1	373.3	355.1	357.4	347.9	332.9	329.7
47.5°	2184.3	2055.9	1688.1	986.7	420.8	371.7	352.7	344.8	326.5	313.1	312.3
50°	2413.3	2273.0	1778.5	882.9	375.7	365.4	358.2	341.6	319.4	305.9	304.3
52.5°	2637.6	2514.8	1876.0	795.7	341.6	358.2	360.6	343.2	319.4	299.6	298.8
55°	2862.7	2754.9	1981.4	726.8	318.6	357.4	369.3	347.9	324.2	294.8	294.0
57.5°	3088.6	2984.0	2082.8	680.8	308.3	347.1	374.9	363.0	336.8	312.3	313.9
60°	3356.5	3232.8	2202.5	648.3	304.3	341.6	379.6	380.4	344.8	317.0	321.0
62.5°	3619.6	3494.4	2304.0	618.2	294.0	336.0	382.0	393.9	362.2	338.4	342.4
65°	3864.5	3715.5	2350.7	560.3	281.4	329.7	396.3	405.8	375.7	373.3	378.0
67.5°	3958.0	3819.3	2304.7	488.2	273.4	329.7	411.3	422.4	389.9	402.6	415.3
70°	3867.7	3751.9	2189.0	397.9	275.8	332.1	413.7	430.4	410.5	420.8	431.9
72.5°	3587.1	3439.7	1907.7	320.2	275.8	328.9	403.4	417.7	402.6	436.7	447.8
75°	3232.8	2976.0	1518.5	263.9	267.9	327.3	379.6	396.3	381.2	416.9	428.8
77.5°	2670.1	2341.2	1050.1	233.0	256.8	313.1	355.1	358.2	343.2	364.6	370.1
80°	1883.1	1578.0	665.0	210.8	245.7	282.9	314.6	309.1	294.0	298.0	302.8
82.5°	1050.1	834.6	387.6	194.2	230.6	235.4	257.6	259.2	239.4	240.1	240.9
85°	416.9	386.0	262.3	163.3	186.2	169.6	192.6	200.5	181.5	159.3	154.5
87.5°	276.6	262.3	183.1	111.7	114.1	95.9	125.2	130.0	107.0	92.7	91.9
90°	263.1	255.2	157.7	75.3	63.4	52.3	69.7	67.4	51.5	45.2	46.0
92.5°	271.1	266.3	160.1	72.1	61.8	49.9	61.8	53.1	38.8	34.1	34.9
95°	267.1	264.7	156.1	70.5	58.6	46.0	52.3	42.8	30.1	26.9	26.9
97.5°	126.8	133.9	96.7	63.4	52.3	38.8	40.4	32.5	21.4	19.8	19.0
100°	19.0	30.1	52.3	58.6	38.8	26.9	26.2	21.4	13.5	12.7	12.7
102.5°	19.8	21.4	32.5	40.4	21.4	14.3	14.3	12.7	10.3	11.9	11.9
105°	21.4	19.8	19.0	22.2	12.7	8.7	7.9	7.9	8.7	12.7	13.5
107.5°	23.0	21.4	15.1	11.9	9.5	7.9	6.3	5.5	7.9	13.5	14.3
110°	17.4	16.6	12.7	9.5	9.5	8.7	5.5	5.5	8.7	14.3	15.9



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	11.9	11.1	8.7	7.9	7.9	5.5	5.5	8.7	15.1	16.6
115°	11.1	11.1	9.5	7.1	6.3	6.3	5.5	4.8	8.7	15.9	16.6
117.5°	11.1	11.1	9.5	7.1	5.5	4.8	4.8	4.8	8.7	15.9	16.6
120°	11.1	11.1	9.5	6.3	5.5	4.8	4.8	4.8	8.7	15.1	16.6
122.5°	10.3	10.3	8.7	6.3	4.8	4.8	4.8	4.8	8.7	14.3	15.1
125°	9.5	9.5	7.9	5.5	4.8	4.0	4.8	4.8	7.9	12.7	13.5
127.5°	7.9	8.7	7.1	5.5	4.8	4.0	4.8	4.8	7.1	11.1	11.9
130°	7.1	7.1	6.3	4.8	4.0	4.0	4.8	4.8	7.1	10.3	11.1
132.5°	5.5	5.5	4.8	4.8	4.0	4.0	4.0	4.0	5.5	8.7	8.7
135°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.3	7.1
137.5°	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.5	5.5
140°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.8	5.5	5.5
145°	3.2	3.2	4.0	4.0	4.0	3.2	4.0	4.0	4.8	5.5	5.5
147.5°	3.2	3.2	4.0	4.0	4.0	3.2	3.2	4.0	4.8	5.5	5.5
150°	3.2	3.2	4.0	4.0	3.2	2.4	3.2	3.2	4.0	5.5	5.5
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	4.0	4.0
155°	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	3.2
157.5°	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6
160°	0.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	0.8	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)