

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: P416979

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7168.1 lumens  
Efficiency: N/A  
Efficacy: 86.4 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

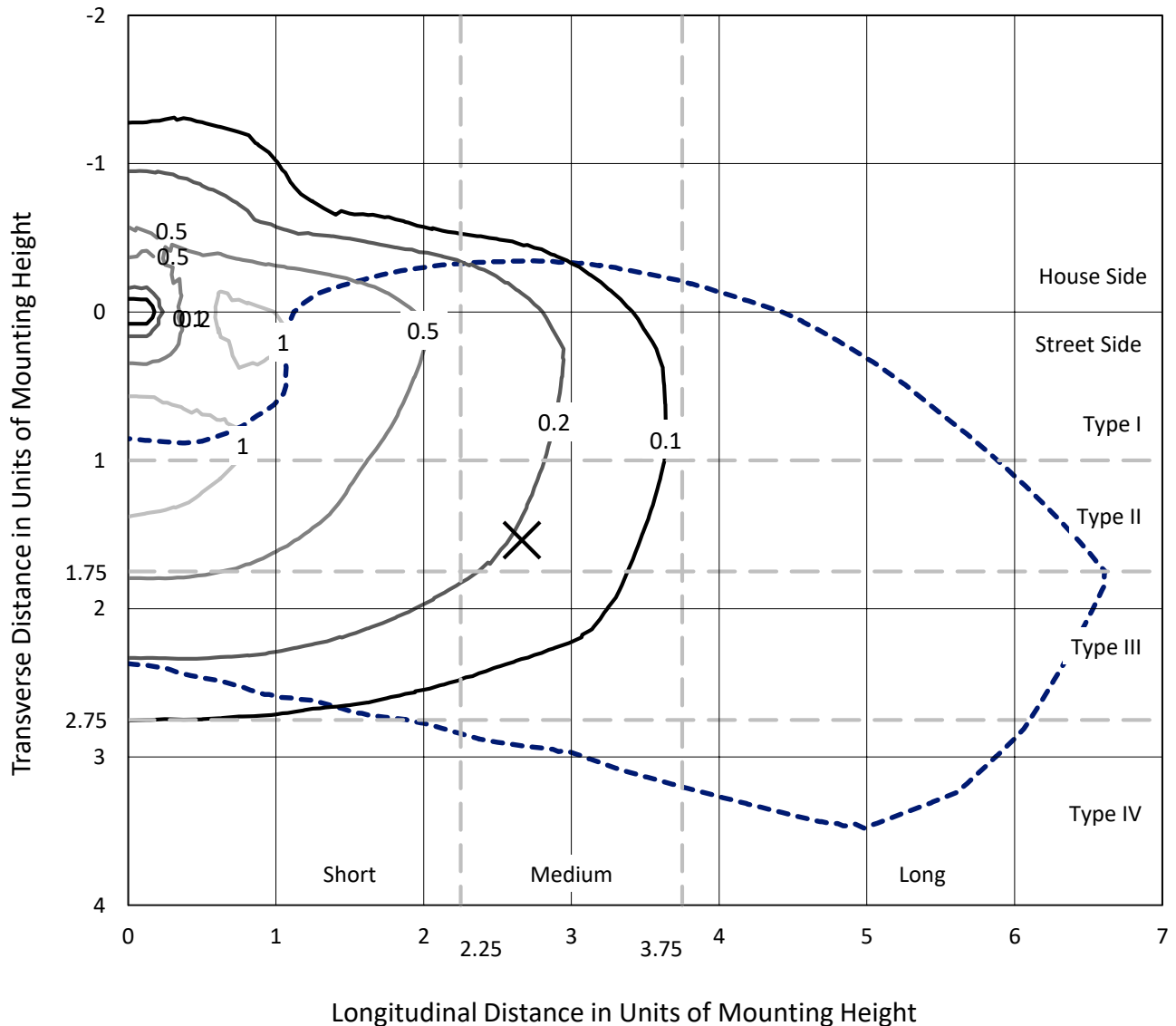
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

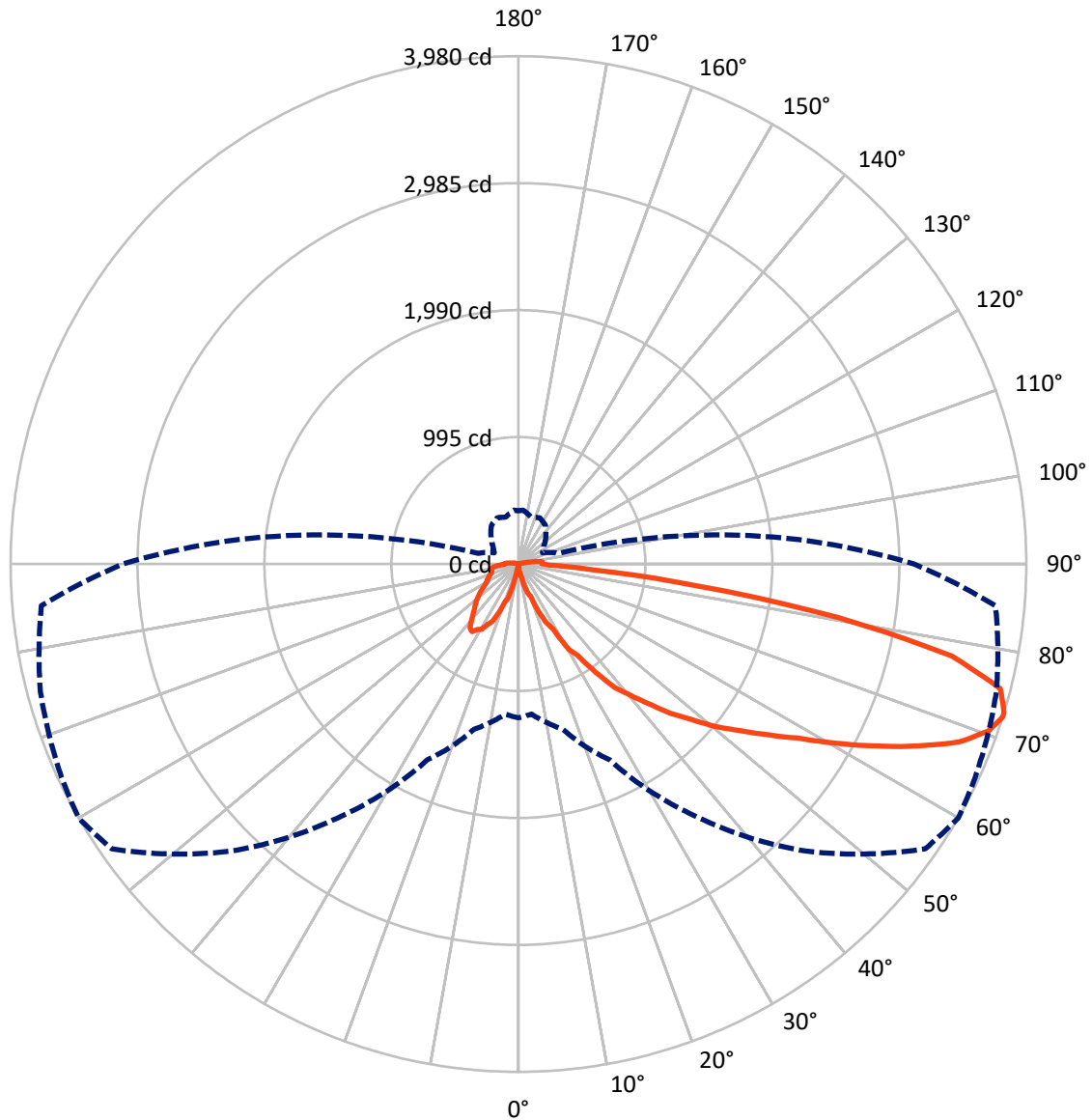
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical

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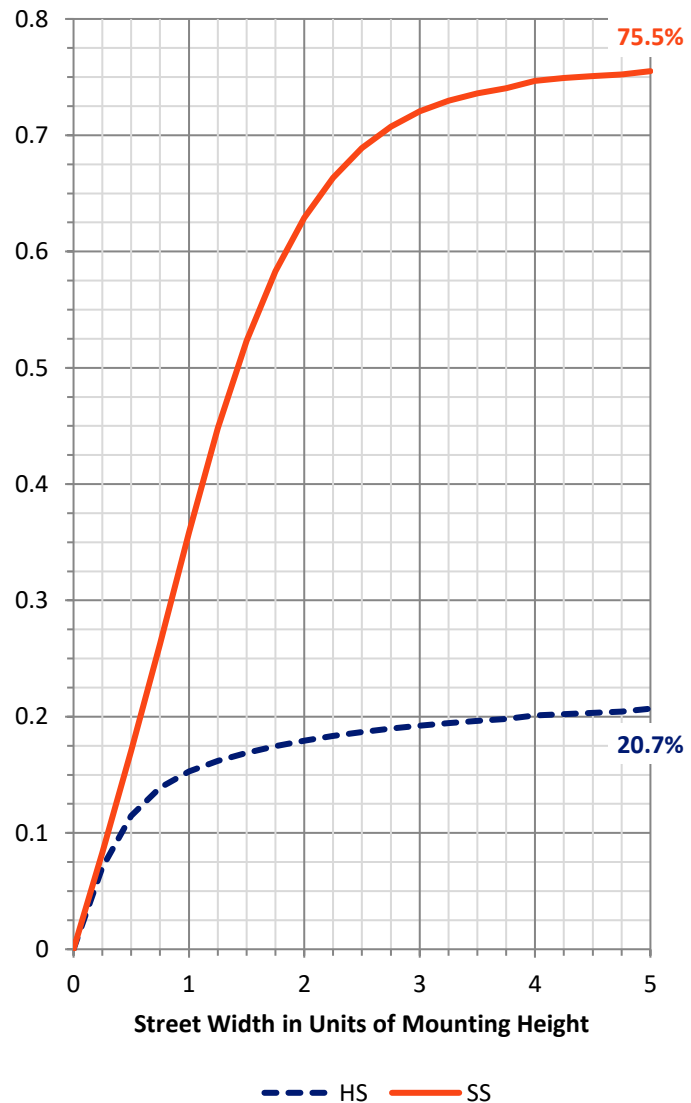
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1566.6	76.5	1643.1
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	5457.8	67.2	5525.0
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	7024.4	143.7	7168.1
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	58.6	0.8
20°-30°	244.4	3.4
30°-40°	564.5	7.9
40°-50°	991.3	13.8
50°-60°	1498.3	20.9
60°-70°	1847.4	25.8
70°-80°	1426.3	19.9
80°-90°	389.7	5.4
90°-100°	105.8	1.5
100°-110°	18.3	0.3
110°-120°	7.1	0.1
120°-130°	5.1	0.1
130°-140°	3.4	0.0
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7024.4	98.0
0°-180°	7168.1	100.0



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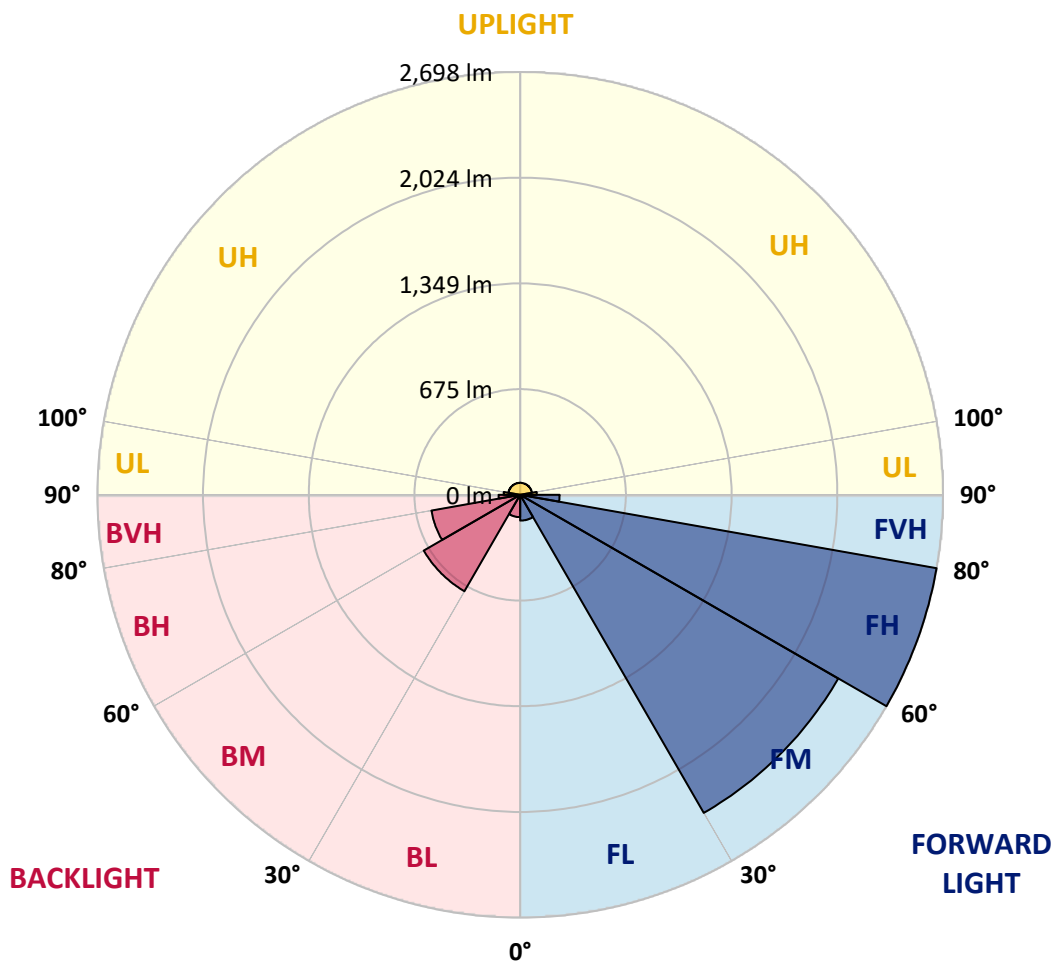
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.5	2.3			
FM	(30°-60°)	2343.6	32.7			
FH	(60°-80°)	2698.0	37.6			G2/5000
FVH	(80°-90°)	251.7	3.5			G3/500
BL	(0°-30°)	142.4	2.0	B1/500		
BM	(30°-60°)	710.5	9.9	B1/1000		
BH	(60°-80°)	575.7	8.0	B2/1000		G2/1000
BVH	(80°-90°)	138.0	1.9			G2/225
UL	(90°-100°)	105.8	1.5		U3/500	
UH	(100°-180°)	76.5	1.1		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	9.5	8.7	7.9	7.9	8.7	7.9	7.2	6.4	5.6	5.6	4.8
5°	89.0	86.6	85.8	69.1	31.8	24.6	11.1	8.7	7.2	5.6	4.8
7.5°	98.5	97.7	96.9	96.9	95.4	90.6	51.6	25.4	14.3	7.2	6.4
10°	112.8	111.2	106.5	104.1	101.7	100.1	93.0	88.2	39.7	11.9	10.3
12.5°	201.0	197.9	193.1	143.0	122.4	108.1	105.7	101.7	88.2	36.6	73.9
15°	216.1	215.3	212.2	209.8	203.4	135.1	163.7	186.7	211.4	172.4	192.3
17.5°	271.8	263.8	243.2	231.2	227.3	247.9	236.8	240.8	240.8	232.0	220.1
20°	406.0	400.5	390.2	344.1	259.0	319.4	313.1	266.2	274.1	339.3	394.1
22.5°	489.5	483.9	462.5	433.1	427.5	355.2	369.5	403.7	413.2	476.0	475.2
25°	664.3	654.0	607.9	521.3	532.4	458.5	515.7	507.8	483.1	524.4	538.7
27.5°	811.3	802.6	780.3	736.6	617.4	641.3	586.4	576.1	642.0	758.1	755.7
30°	973.4	925.7	866.1	852.6	764.4	727.1	741.4	775.5	800.2	811.3	839.1
32.5°	1180.8	1175.2	1130.7	955.1	927.3	831.2	899.5	852.6	871.7	1032.2	1127.6
35°	1324.6	1338.9	1260.3	1155.4	1023.5	1021.1	992.5	1039.3	1130.7	1153.0	1218.9
37.5°	1659.9	1663.9	1593.2	1293.6	1207.8	1125.2	1214.2	1226.9	1252.3	1290.4	1346.1
40°	1912.6	1876.9	1789.5	1567.0	1380.2	1290.4	1354.0	1352.4	1408.0	1478.0	1512.9
42.5°	2224.1	2184.4	2027.8	1776.0	1601.1	1501.8	1508.2	1494.7	1540.7	1651.2	1672.7
45°	2485.5	2468.1	2347.3	2081.9	1845.1	1725.9	1683.0	1666.3	1689.3	1828.4	1840.3
47.5°	2732.7	2685.8	2607.1	2338.5	2199.5	1982.6	1859.4	1819.7	1826.8	1984.9	2019.9
50°	2994.1	2915.4	2818.5	2582.5	2481.6	2305.2	2062.0	2000.0	2002.4	2148.6	2208.2
52.5°	3149.0	3024.3	2961.5	2766.0	2664.3	2576.1	2274.2	2166.9	2178.0	2316.3	2406.9
55°	3052.9	3015.5	3017.1	2900.3	2824.8	2721.5	2480.0	2360.0	2372.7	2534.8	2648.4
57.5°	2890.8	2919.4	3020.3	3015.5	2973.4	2872.5	2685.0	2572.9	2646.1	2781.9	2901.9
60°	2766.0	2798.6	2962.3	3046.5	3125.2	3051.3	2897.1	2848.7	2917.0	3035.4	3179.2
62.5°	2557.8	2584.1	2808.9	3031.4	3121.2	3203.9	3099.0	3142.7	3205.5	3305.6	3480.4
65°	2273.4	2267.0	2546.7	2893.2	3095.0	3288.9	3358.8	3439.1	3496.3	3603.6	3762.5
67.5°	1937.3	1969.0	2204.2	2595.2	2992.5	3331.8	3577.3	3724.3	3760.1	3801.4	3915.8
70°	1582.1	1580.5	1786.3	2201.9	2772.4	3308.0	3784.7	3911.9	3912.7	3888.0	3922.2
72°	1206.2	1180.8	1339.7	1694.1	2407.7	3180.0	3891.2	3980.2	3950.8	3877.7	3752.9
72.5°	1035.4	1058.4	1207.8	1595.6	2244.0	3116.5	3902.3	3979.4	3947.6	3867.4	3702.1
75°	525.2	491.9	576.9	855.0	1547.9	2518.1	3822.1	3901.5	3812.5	3712.4	3246.0
77.5°	205.8	211.4	244.7	369.5	753.3	1658.4	3299.2	3472.4	3415.2	3344.5	2560.2
80°	144.6	144.6	163.7	210.6	386.2	673.8	2286.1	2538.0	2626.2	2661.1	1712.4
82.5°	104.9	106.5	124.8	147.0	275.7	323.4	1122.8	1410.4	1549.5	1679.8	957.5
85°	97.7	97.7	100.1	98.5	197.1	230.4	408.4	602.3	696.1	816.1	387.0
87.5°	46.1	50.1	73.9	58.8	96.9	142.2	222.5	241.6	247.1	280.5	278.1
90°	30.2	30.2	24.6	25.4	47.7	115.2	178.8	182.8	175.6	205.8	259.0
92.5°	31.0	31.8	23.0	23.8	37.3	105.7	183.6	186.7	181.2	216.1	274.9
95°	28.6	28.6	19.9	20.7	29.4	81.1	183.6	186.7	170.8	215.3	274.9
97.5°	23.8	24.6	15.9	16.7	23.0	39.7	127.1	136.7	108.9	109.7	134.3
100°	20.7	20.7	12.7	13.5	16.7	18.3	64.4	67.5	60.4	27.0	18.3
102.5°	20.7	20.7	11.1	11.1	11.1	10.3	19.9	33.4	27.8	15.9	17.5
105°	19.9	20.7	10.3	8.7	8.7	7.9	10.3	12.7	12.7	12.7	18.3
107.5°	15.9	16.7	7.9	7.9	7.2	7.2	5.6	5.6	7.9	11.9	19.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.7	12.7	6.4	7.2	5.6	6.4	4.8	4.8	7.2	8.7	15.1
112.5°	7.2	7.2	4.8	5.6	4.8	5.6	4.8	4.8	5.6	7.2	9.5
115°	6.4	6.4	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.4	10.3
117.5°	6.4	6.4	4.0	4.0	4.0	3.2	3.2	4.0	4.0	6.4	10.3
120°	6.4	6.4	4.0	4.0	3.2	3.2	3.2	4.0	4.0	6.4	10.3
122.5°	7.2	6.4	4.0	3.2	3.2	3.2	3.2	3.2	4.0	5.6	10.3
125°	7.2	6.4	4.8	3.2	3.2	3.2	3.2	3.2	4.0	5.6	8.7
127.5°	7.2	7.2	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	7.9
130°	7.2	6.4	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	7.2
132.5°	6.4	6.4	4.8	3.2	4.0	3.2	3.2	3.2	3.2	4.0	5.6
135°	5.6	5.6	4.0	4.0	4.0	3.2	3.2	3.2	3.2	3.2	4.8
137.5°	5.6	5.6	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.0
140°	5.6	5.6	4.8	4.8	4.8	4.0	3.2	3.2	3.2	4.0	4.0
142.5°	6.4	6.4	5.6	4.8	4.8	4.0	3.2	3.2	4.0	4.0	4.0
145°	7.2	7.2	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.0	4.8
147.5°	7.2	7.2	6.4	4.8	4.0	3.2	3.2	4.0	4.0	4.8	4.8
150°	6.4	6.4	5.6	4.0	3.2	2.4	3.2	3.2	4.0	4.8	4.8
152.5°	4.8	4.8	4.0	3.2	2.4	1.6	2.4	3.2	3.2	4.0	4.8
155°	3.2	3.2	2.4	1.6	1.6	1.6	2.4	2.4	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	4.8	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6	6.4	7.2
5°	4.8	4.8	4.8	4.8	5.6	6.4	7.2	7.9	8.7	9.5	9.5
7.5°	5.6	5.6	5.6	6.4	7.2	8.7	19.9	69.9	95.4	104.1	101.7
10°	10.3	10.3	9.5	9.5	11.1	93.0	118.4	128.7	134.3	140.6	140.6
12.5°	82.6	95.4	34.2	19.1	92.2	130.3	139.9	147.0	151.8	158.1	158.1
15°	199.4	202.6	208.2	187.5	181.2	147.8	154.2	209.0	274.9	292.4	294.0
17.5°	224.1	228.1	232.0	274.9	292.4	226.5	260.6	293.2	299.6	305.9	305.9
20°	427.5	433.9	352.0	315.5	308.3	383.8	294.8	302.7	313.9	370.3	375.9
22.5°	484.7	488.7	457.7	477.6	349.6	401.3	387.8	387.8	433.9	437.0	437.8
25°	543.5	565.8	507.0	491.1	497.4	406.0	457.7	413.2	419.6	424.3	425.1
27.5°	793.0	789.8	742.2	561.8	499.0	491.9	444.2	407.6	476.8	495.0	495.8
30°	843.1	835.1	792.2	657.9	518.1	487.1	418.8	471.2	458.5	460.9	461.7
32.5°	1159.3	1146.6	1025.0	665.9	541.1	449.7	454.5	438.6	440.2	489.5	491.1
35°	1238.8	1221.3	1050.5	770.0	515.7	456.1	420.3	440.2	448.2	445.8	445.8
37.5°	1345.3	1311.9	1042.5	723.9	536.4	426.7	402.1	415.6	410.8	441.0	439.4
40°	1461.3	1414.4	1046.5	671.4	486.3	400.5	385.4	397.3	394.1	385.4	379.0
42.5°	1609.1	1528.0	1045.7	627.7	440.2	391.7	363.9	363.1	349.6	335.3	330.6
45°	1760.1	1648.0	1048.9	577.7	405.3	384.6	352.0	332.9	321.0	305.9	302.0
47.5°	1925.3	1776.0	1058.4	538.0	378.2	363.1	336.9	313.9	305.1	286.1	284.5
50°	2120.8	1910.2	1061.6	506.2	346.4	344.1	325.8	300.4	286.9	267.8	266.2
52.5°	2331.4	2052.5	1067.2	459.3	321.8	336.9	332.1	297.2	291.6	267.0	265.4
55°	2530.8	2187.6	1065.6	402.9	310.7	330.6	332.1	317.8	309.1	268.6	265.4
57.5°	2770.8	2333.8	1041.7	350.4	293.2	321.0	348.0	336.1	326.6	293.2	286.9
60°	2985.3	2484.7	971.0	309.9	278.1	310.7	361.5	349.6	322.6	301.2	294.8
62.5°	3236.4	2615.1	872.5	280.5	272.6	313.9	366.3	358.4	325.0	317.8	315.5
65°	3406.5	2664.3	723.1	256.7	271.8	313.9	364.7	366.3	342.5	349.6	348.8
67.5°	3427.2	2600.8	548.3	238.4	262.2	313.9	362.3	382.2	358.4	387.8	389.4
70°	3327.8	2441.8	399.7	220.1	251.9	309.9	363.1	392.5	370.3	416.4	413.2
72°	3099.0	2201.1	323.4	208.2	243.2	303.5	368.7	398.1	380.6	423.5	416.4
72.5°	3039.4	2127.2	309.1	206.6	241.6	302.7	370.3	399.7	381.4	430.7	421.9
75°	2543.5	1694.1	265.4	194.7	243.9	298.8	378.2	398.9	386.2	435.4	437.0
77.5°	1926.9	1141.9	235.2	184.3	243.2	291.6	375.9	392.5	379.0	418.8	427.5
80°	1192.7	664.3	209.0	183.6	241.6	288.4	365.5	375.9	359.2	390.9	393.3
82.5°	652.4	388.6	181.2	180.4	234.4	279.7	345.7	356.8	340.9	375.9	351.2
85°	333.7	263.8	135.9	147.8	205.0	263.0	322.6	321.8	305.9	318.6	301.2
87.5°	257.5	207.4	88.2	106.5	167.7	216.9	265.4	263.0	242.4	243.9	236.8
90°	236.8	185.1	58.0	75.5	139.9	155.7	184.3	177.2	162.9	166.1	163.7
92.5°	238.4	182.8	55.6	80.3	134.3	139.9	169.3	160.5	146.2	147.8	143.0
95°	232.8	175.6	55.6	70.7	111.2	99.3	121.6	118.4	106.5	100.9	98.5
97.5°	111.2	87.4	51.6	52.4	62.8	54.0	73.9	79.5	63.6	50.9	50.9
100°	19.1	29.4	45.3	53.2	45.3	34.2	46.9	54.0	36.6	16.7	18.3
102.5°	19.1	18.3	35.0	45.3	32.6	18.3	27.0	35.8	23.0	12.7	13.5
105°	20.7	19.1	16.7	31.0	19.1	9.5	10.3	18.3	12.7	12.7	12.7
107.5°	22.2	20.7	11.9	11.9	9.5	8.7	7.9	7.2	8.7	12.7	13.5



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.7	16.7	11.1	9.5	8.7	8.7	6.4	6.4	8.7	13.5	13.5
112.5°	11.9	11.9	9.5	7.9	7.2	8.7	6.4	6.4	7.9	13.5	14.3
115°	11.9	11.9	8.7	7.2	6.4	7.2	6.4	5.6	7.9	13.5	14.3
117.5°	11.9	11.9	8.7	6.4	5.6	5.6	4.8	5.6	7.9	13.5	14.3
120°	11.9	11.9	8.7	6.4	5.6	4.8	4.8	4.8	7.9	13.5	14.3
122.5°	11.1	11.1	7.9	5.6	4.8	4.0	4.0	4.8	7.2	12.7	13.5
125°	10.3	10.3	7.2	5.6	4.8	4.0	4.0	4.0	7.2	11.9	12.7
127.5°	9.5	9.5	7.2	4.8	4.0	4.0	4.0	4.0	6.4	11.1	11.9
130°	7.9	7.9	6.4	4.8	4.0	3.2	4.0	4.0	6.4	10.3	10.3
132.5°	6.4	6.4	4.8	4.0	4.0	3.2	3.2	4.0	5.6	8.7	9.5
135°	4.8	4.8	4.8	4.0	4.0	3.2	3.2	3.2	4.8	7.2	7.9
137.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	3.2	4.8	6.4	6.4
140°	4.0	4.0	4.0	4.0	4.0	3.2	3.2	3.2	4.8	5.6	6.4
142.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	4.0	4.8	6.4	6.4
145°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	4.0	4.8	6.4	6.4
147.5°	4.8	4.8	4.8	4.0	3.2	2.4	2.4	3.2	4.8	6.4	6.4
150°	4.8	4.8	4.8	4.0	3.2	1.6	1.6	3.2	4.0	5.6	6.4
152.5°	4.8	4.8	4.0	4.0	2.4	1.6	0.8	2.4	3.2	4.8	4.8
155°	4.0	4.0	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.0
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)