

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: P696037

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5756.9 lumens
Efficiency: N/A
Efficacy: 80.0 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 - G2

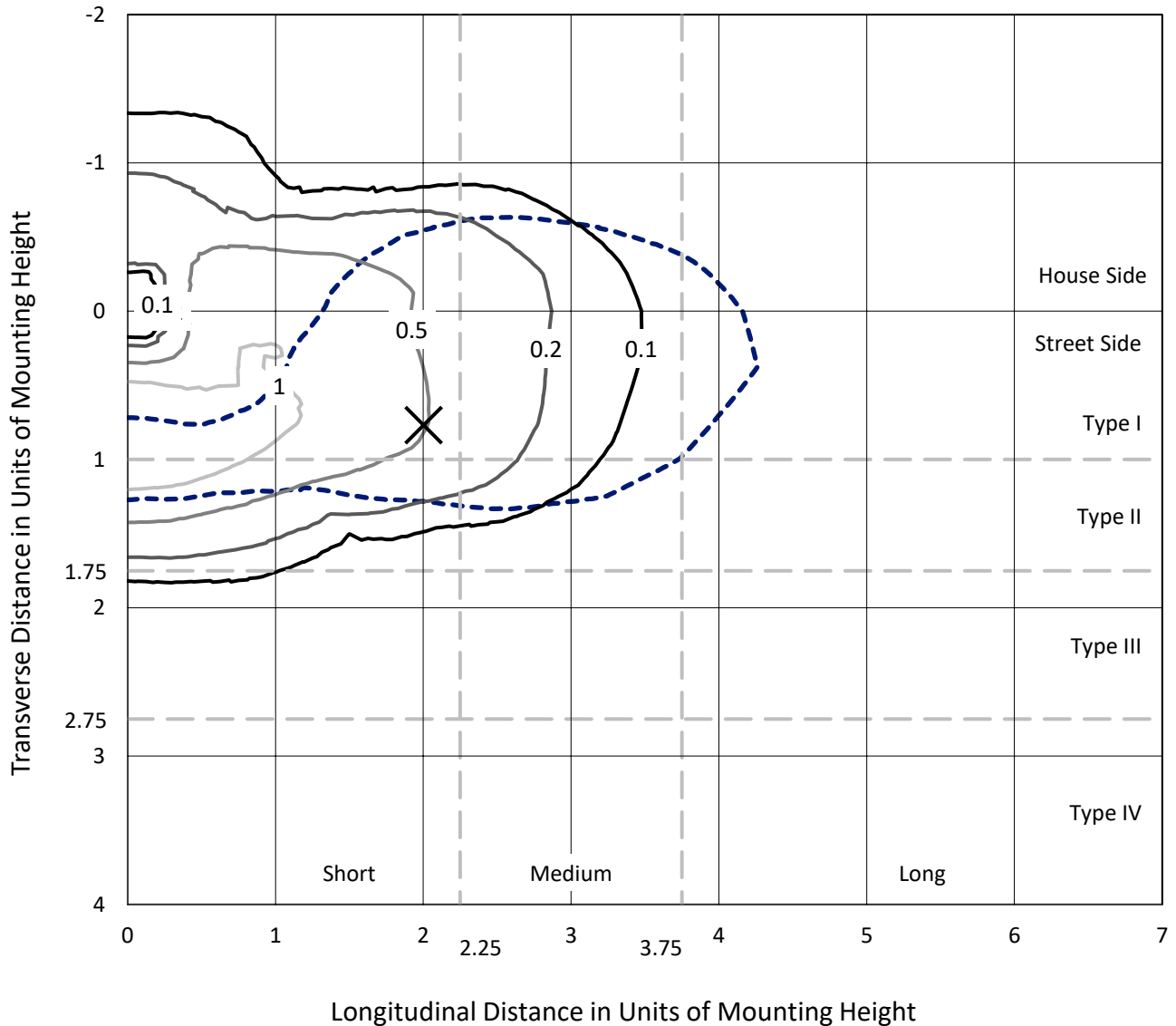
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

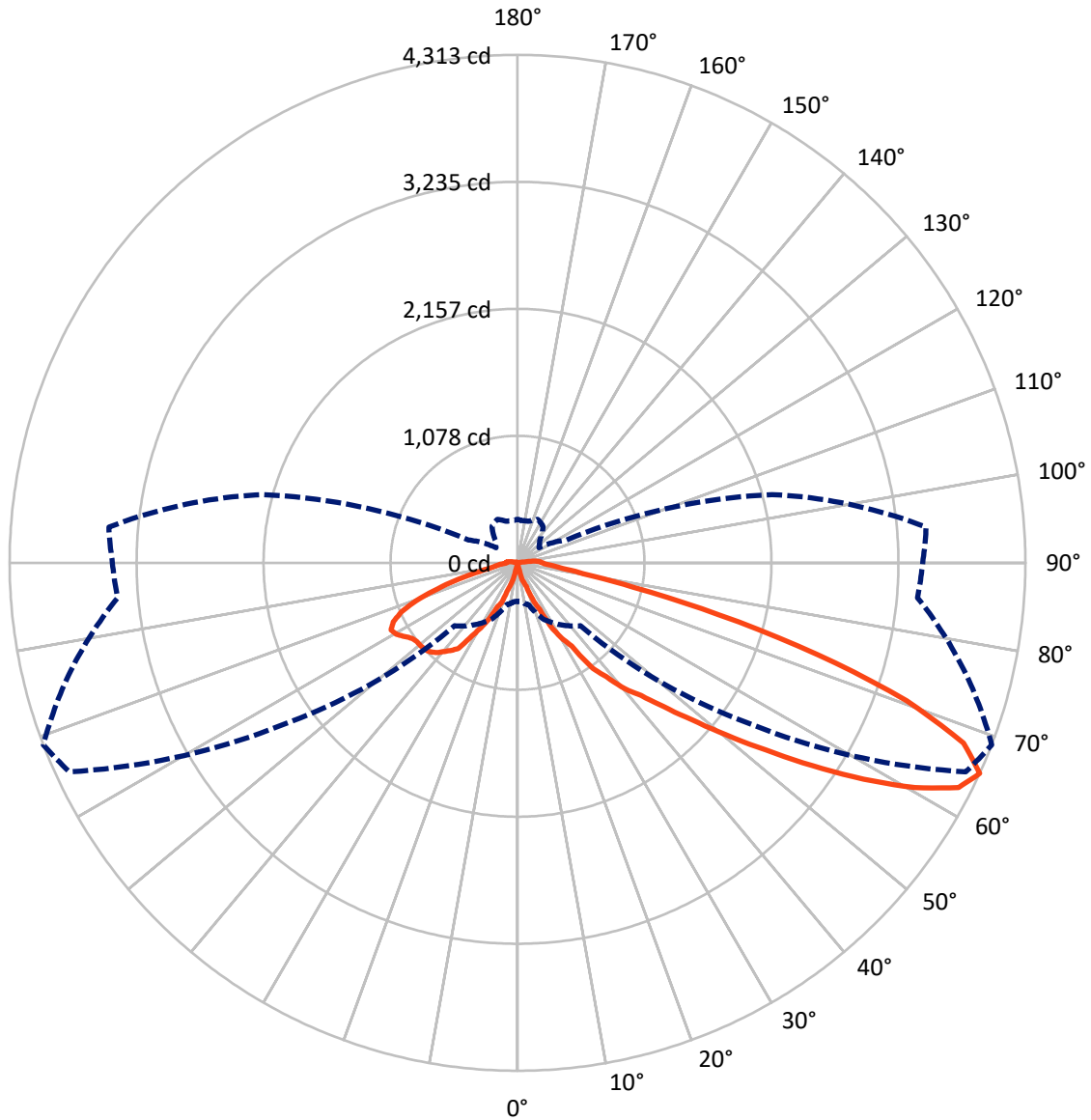
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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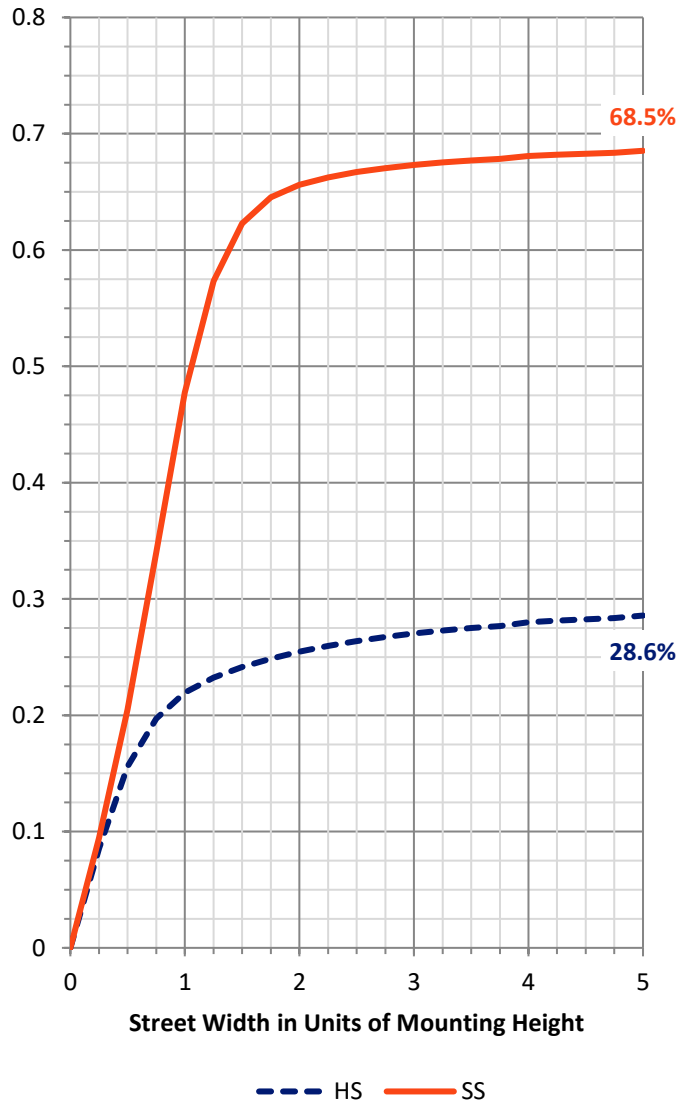
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1687.7	49.4	1737.1
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3977.1	42.7	4019.8
	% Fixture	69.1	0.7	69.8
Total	Lumens	5664.8	92.1	5756.9
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	34.8	0.6
20°-30°	221.7	3.9
30°-40°	608.4	10.6
40°-50°	1084.6	18.8
50°-60°	1407.8	24.5
60°-70°	1346.2	23.4
70°-80°	775.9	13.5
80°-90°	185.0	3.2
90°-100°	65.4	1.1
100°-110°	11.8	0.2
110°-120°	5.6	0.1
120°-130°	4.6	0.1
130°-140°	2.7	0.0
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5664.8	98.4
0°-180°	5756.9	100.0

Coefficient of Utilization

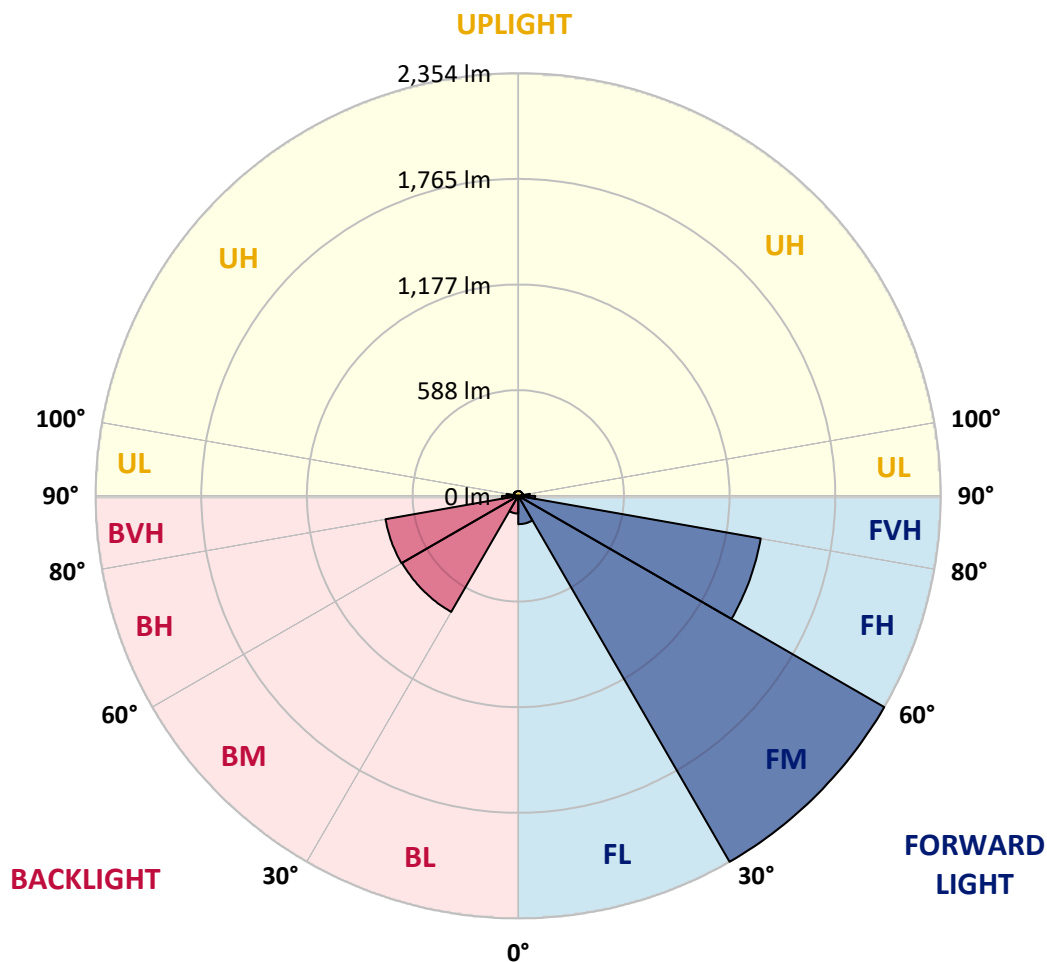


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.1	2.7			
FM (30°-60°)	2353.7	40.9			
FH (60°-80°)	1371.1	23.8			G1/1800
FVH (80°-90°)	94.2	1.6			G1/100
BL (0°-30°)	98.8	1.7	B0/110		
BM (30°-60°)	747.1	13.0	B1/1000		
BH (60°-80°)	751.0	13.0	B2/1000		G2/1000
BVH (80°-90°)	90.8	1.6			G1/100
UL (90°-100°)	65.4	1.1		U3/500	
UH (100°-180°)	26.7	0.5		U2/50	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9
5°	3.9	3.9	3.9	5.8	3.9	3.9	3.9	3.9	3.9	1.9	1.9
7.5°	7.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	1.9	1.9
10°	33.1	27.3	21.4	15.6	9.7	5.8	5.8	3.9	3.9	3.9	3.9
12.5°	144.2	138.3	136.4	128.6	42.9	15.6	9.7	15.6	19.5	27.3	33.1
15°	169.5	167.5	163.6	151.9	144.2	107.1	35.1	132.5	144.2	151.9	153.9
17.5°	309.7	282.5	218.2	189.0	167.5	153.9	146.1	169.5	173.4	177.3	183.1
20°	418.8	418.8	401.3	352.6	214.3	255.2	251.3	202.6	212.3	263.0	331.2
22.5°	524.0	518.2	485.1	448.1	440.3	305.8	292.2	354.5	360.4	393.5	393.5
25°	863.0	863.0	765.6	564.9	527.9	444.2	450.0	453.9	440.3	448.1	467.5
27.5°	1024.7	1011.0	974.0	861.0	654.6	617.5	533.8	531.8	633.1	654.6	668.2
30°	1465.0	1459.1	1250.7	1014.9	884.4	714.9	728.6	744.2	744.2	746.1	724.7
32.5°	1770.8	1778.6	1671.4	1350.0	1038.3	878.6	882.5	824.0	843.5	977.9	987.7
35°	2068.9	2084.4	1936.4	1642.2	1340.3	1089.0	987.7	1059.8	1100.7	1098.7	1073.4
37.5°	2370.8	2359.1	2228.6	1897.4	1570.1	1252.6	1203.9	1246.8	1227.3	1252.6	1172.7
40°	2583.1	2581.2	2464.3	2166.3	1803.9	1478.6	1357.8	1396.8	1410.4	1400.7	1297.4
42.5°	2729.3	2715.6	2666.9	2442.9	2109.8	1778.6	1560.4	1587.7	1540.9	1577.9	1447.4
45°	2789.6	2772.1	2764.3	2594.8	2374.7	2236.4	1848.7	1794.2	1741.6	1815.6	1622.7
47.5°	2707.8	2684.4	2729.3	2676.7	2583.1	2557.8	2185.7	1996.8	1989.0	2045.5	1840.9
50°	2442.9	2402.0	2522.8	2616.3	2682.5	2779.9	2563.7	2320.2	2294.8	2298.7	2045.5
52.5°	2022.1	2024.0	2168.2	2337.7	2643.5	2818.9	2926.0	2727.3	2639.6	2596.8	2252.0
55°	1615.0	1628.6	1737.7	1887.7	2322.1	2779.9	3202.6	3187.0	3039.0	2885.1	2472.1
57.5°	1161.1	1190.3	1357.8	1461.1	1879.9	2507.2	3340.9	3596.1	3467.6	3183.2	2707.8
60°	664.3	699.4	882.5	1116.2	1439.6	1998.7	3272.8	4016.9	3876.7	3496.8	2943.5
62.5°	422.7	432.5	512.3	757.8	940.9	1314.9	2984.4	4272.1	4202.0	3785.1	3198.7
65°	327.3	331.2	370.1	529.9	642.9	755.9	2347.4	4200.0	4313.0	3983.8	3409.1
67.5°	300.0	300.0	311.7	379.9	487.0	477.3	1517.5	3761.7	4085.1	4011.1	3479.3
70°	280.5	284.4	298.1	307.8	383.8	360.4	816.2	2976.7	3506.5	3744.2	3455.9
72.5°	245.5	249.4	266.9	292.2	298.1	292.2	455.8	1979.2	2665.0	3144.2	3266.9
75°	208.4	210.4	222.1	263.0	261.0	235.7	377.9	1182.5	1765.0	2306.5	2770.2
77.5°	171.4	177.3	190.9	212.3	237.7	187.0	337.0	695.5	1007.2	1451.3	1920.8
80°	126.6	130.5	144.2	175.3	190.9	161.7	278.6	452.0	564.9	752.0	925.3
82.5°	91.6	93.5	105.2	126.6	136.4	138.3	218.2	364.3	387.7	414.9	416.9
85°	56.5	54.5	56.5	66.2	83.8	89.6	157.8	290.3	292.2	282.5	278.6
87.5°	25.3	25.3	19.5	23.4	27.3	27.3	81.8	229.9	229.9	218.2	226.0
90°	27.3	27.3	19.5	19.5	21.4	19.5	46.8	194.8	206.5	206.5	227.9
92.5°	29.2	27.3	21.4	19.5	19.5	17.5	29.2	155.8	187.0	206.5	235.7
95°	27.3	27.3	19.5	17.5	17.5	15.6	23.4	107.1	150.0	167.5	200.7
97.5°	19.5	19.5	13.6	13.6	15.6	13.6	17.5	44.8	58.4	76.0	101.3
100°	13.6	13.6	9.7	9.7	9.7	9.7	11.7	19.5	23.4	19.5	23.4
102.5°	11.7	13.6	7.8	7.8	7.8	5.8	7.8	9.7	11.7	13.6	17.5
105°	11.7	11.7	5.8	5.8	5.8	5.8	3.9	7.8	7.8	9.7	17.5
107.5°	7.8	7.8	5.8	5.8	3.9	3.9	3.9	5.8	7.8	9.7	17.5
110°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	5.8	7.8	7.8	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8	9.7
115°	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	9.7
117.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
120°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
122.5°	5.8	5.8	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
125°	5.8	5.8	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	7.8
127.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	7.8
130°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	7.8
132.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8
135°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
137.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
140°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	3.9	5.8	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	5.8	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	5.8	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9
7.5°	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9
10°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
12.5°	31.2	29.2	25.3	13.6	5.8	3.9	3.9	3.9	5.8	7.8	7.8
15°	157.8	159.7	155.8	140.3	35.1	9.7	5.8	17.5	66.2	114.9	79.9
17.5°	183.1	185.1	181.2	177.3	161.7	72.1	46.8	153.9	159.7	171.4	167.5
20°	337.0	333.1	278.6	206.5	187.0	173.4	146.1	177.3	187.0	190.9	190.9
22.5°	391.6	389.6	381.8	360.4	222.1	259.1	231.8	194.8	319.5	335.1	333.1
25°	453.9	442.2	420.8	401.3	383.8	284.4	286.4	309.7	327.3	329.2	329.2
27.5°	650.7	635.1	600.0	498.7	450.0	354.5	358.4	317.5	319.5	383.8	395.5
30°	707.2	681.8	644.8	625.3	518.2	416.9	342.9	364.3	376.0	374.0	377.9
32.5°	942.9	905.9	777.3	699.4	570.8	403.3	358.4	352.6	352.6	383.8	387.7
35°	1016.9	962.3	892.2	872.7	580.5	395.5	339.0	344.8	389.6	395.5	393.5
37.5°	1104.6	1028.6	958.5	911.7	607.8	366.2	321.4	346.8	360.4	360.4	358.4
40°	1202.0	1126.0	1053.9	923.4	578.6	337.0	323.4	329.2	339.0	333.1	331.2
42.5°	1344.2	1242.9	1178.6	923.4	504.6	319.5	315.6	315.6	323.4	317.5	315.6
45°	1517.5	1400.7	1283.8	909.8	428.6	309.7	311.7	309.7	317.5	309.7	307.8
47.5°	1700.7	1579.9	1379.2	876.6	370.1	302.0	317.5	307.8	309.7	298.1	296.1
50°	1909.1	1778.6	1478.6	818.2	337.0	302.0	315.6	309.7	303.9	292.2	290.3
52.5°	2119.5	1987.0	1595.5	746.1	313.6	296.1	317.5	315.6	307.8	290.3	290.3
55°	2335.7	2244.2	1729.9	683.8	288.3	294.2	327.3	327.3	311.7	288.3	286.4
57.5°	2567.6	2505.2	1877.9	660.4	264.9	282.5	342.9	346.8	317.5	286.4	286.4
60°	2838.3	2863.7	2035.7	633.1	249.4	272.7	350.7	364.3	325.3	286.4	286.4
62.5°	3175.4	3247.4	2183.8	570.8	235.7	259.1	358.4	383.8	348.7	319.5	321.4
65°	3440.3	3483.2	2236.4	457.8	222.1	264.9	377.9	407.1	364.3	360.4	370.1
67.5°	3586.4	3566.9	2156.5	348.7	206.5	261.0	372.1	422.7	381.8	391.6	397.4
70°	3582.5	3440.3	1891.6	268.8	192.9	257.1	377.9	416.9	391.6	418.8	436.4
72.5°	3333.2	3009.8	1433.8	233.8	192.9	253.2	368.2	401.3	393.5	420.8	434.4
75°	2678.6	2287.0	983.8	204.5	183.1	241.6	350.7	374.0	358.4	381.8	389.6
77.5°	1774.7	1503.9	549.4	185.1	181.2	222.1	319.5	331.2	313.6	329.2	335.1
80°	831.8	693.5	305.8	171.4	175.3	196.8	263.0	280.5	253.2	268.8	268.8
82.5°	381.8	352.6	231.8	155.8	157.8	150.0	204.5	231.8	206.5	214.3	206.5
85°	257.1	259.1	185.1	132.5	128.6	107.1	161.7	179.2	155.8	161.7	136.4
87.5°	224.0	229.9	148.1	85.7	74.0	66.2	105.2	109.1	79.9	66.2	64.3
90°	229.9	231.8	136.4	64.3	44.8	35.1	56.5	54.5	35.1	31.2	31.2
92.5°	237.7	237.7	138.3	68.2	44.8	33.1	50.6	40.9	31.2	27.3	27.3
95°	216.2	204.5	120.8	68.2	42.9	29.2	40.9	35.1	27.3	27.3	25.3
97.5°	132.5	120.8	89.6	68.2	35.1	25.3	31.2	27.3	19.5	17.5	17.5
100°	37.0	31.2	56.5	54.5	25.3	17.5	21.4	17.5	11.7	9.7	7.8
102.5°	17.5	17.5	29.2	35.1	13.6	9.7	11.7	11.7	9.7	9.7	7.8
105°	17.5	17.5	13.6	15.6	7.8	5.8	5.8	7.8	7.8	9.7	9.7
107.5°	17.5	19.5	11.7	7.8	7.8	5.8	3.9	5.8	7.8	9.7	11.7
110°	15.6	15.6	9.7	7.8	5.8	5.8	3.9	5.8	7.8	11.7	11.7

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	7.8	7.8	5.8	5.8	3.9	3.9	7.8	11.7	13.6
115°	9.7	9.7	7.8	5.8	3.9	3.9	3.9	3.9	7.8	13.6	15.6
117.5°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	3.9	7.8	15.6	15.6
120°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	9.7	15.6	17.5
122.5°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	9.7	15.6	17.5
125°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	9.7	15.6	15.6
127.5°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	13.6	15.6
130°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	13.6	13.6
132.5°	5.8	5.8	3.9	3.9	3.9	1.9	3.9	3.9	7.8	11.7	11.7
135°	3.9	3.9	3.9	1.9	1.9	1.9	3.9	3.9	5.8	7.8	9.7
137.5°	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
140°	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
142.5°	1.9	1.9	1.9	1.9	3.9	1.9	3.9	3.9	3.9	5.8	5.8
145°	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	5.8	5.8
150°	1.9	1.9	1.9	1.9	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)