

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: P695497

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695497
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-PA16-50-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA 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: 4583.1 lumens
Efficiency: N/A
Efficacy: 86.3 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 - G2

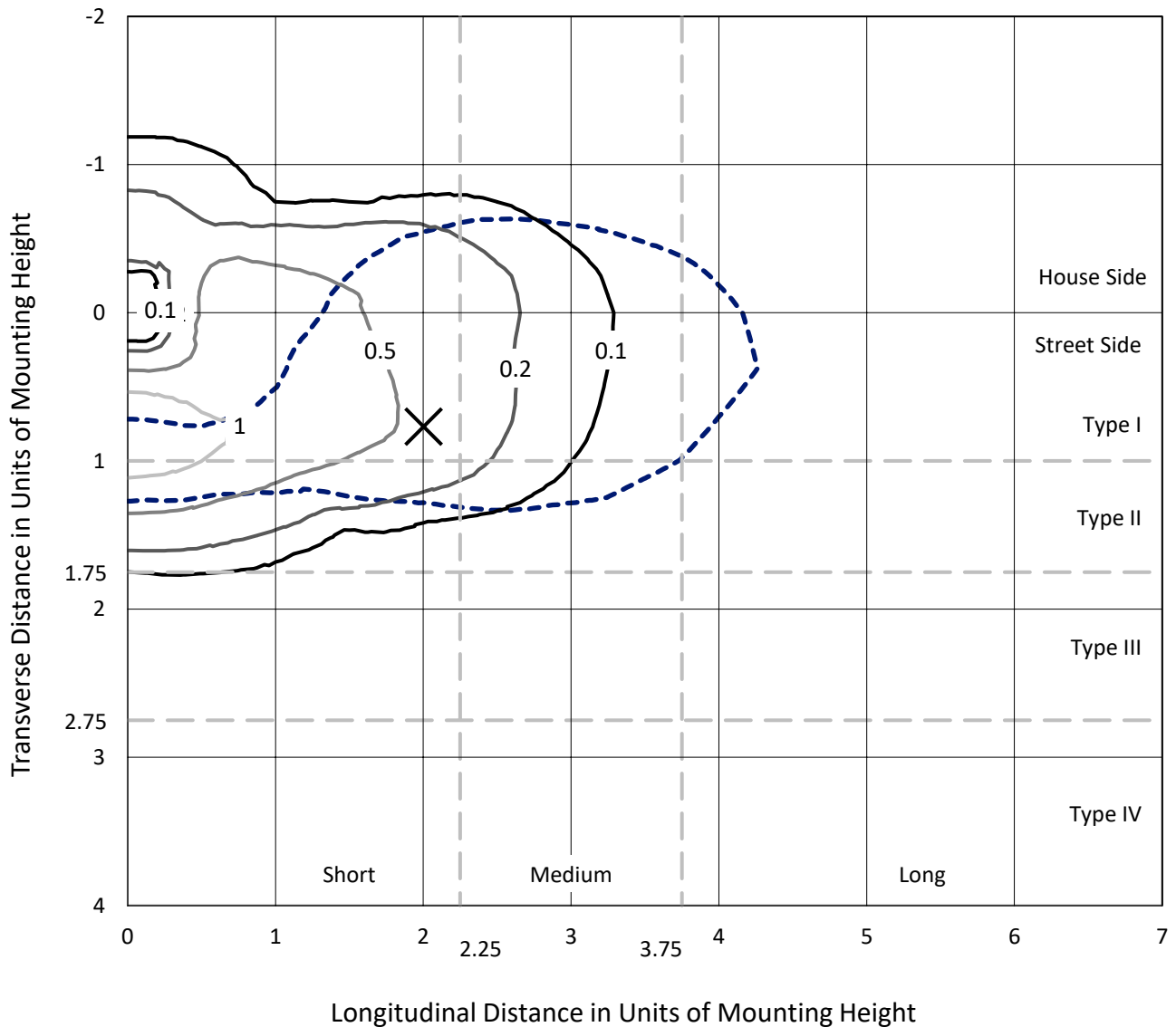
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

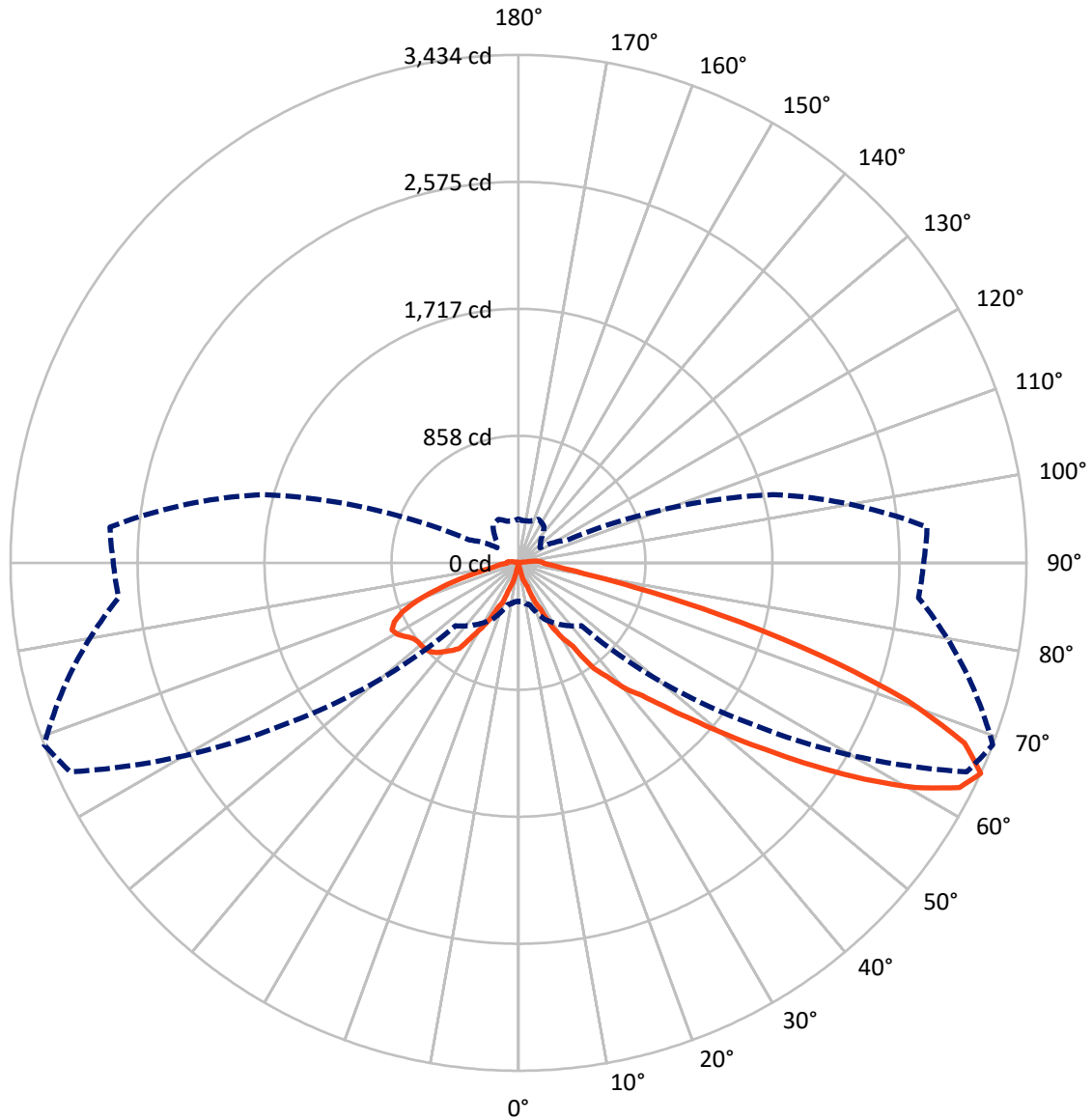
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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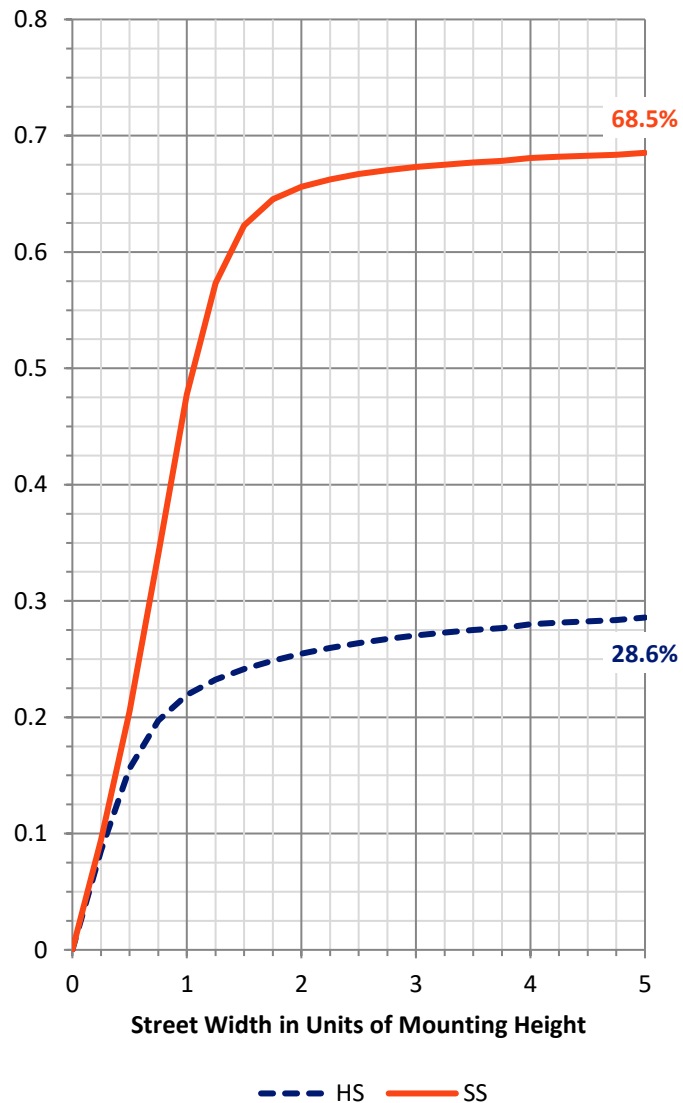
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1343.6	39.4	1382.9
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3166.1	34.1	3200.2
	% Fixture	69.1	0.7	69.8
Total	Lumens	4509.6	73.5	4583.1
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	27.7	0.6
20°-30°	176.5	3.9
30°-40°	484.3	10.6
40°-50°	863.4	18.8
50°-60°	1120.7	24.5
60°-70°	1071.7	23.4
70°-80°	617.7	13.5
80°-90°	147.3	3.2
90°-100°	52.0	1.1
100°-110°	9.4	0.2
110°-120°	4.5	0.1
120°-130°	3.7	0.1
130°-140°	2.2	0.0
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4509.6	98.4
0°-180°	4583.1	100.0

Coefficient of Utilization

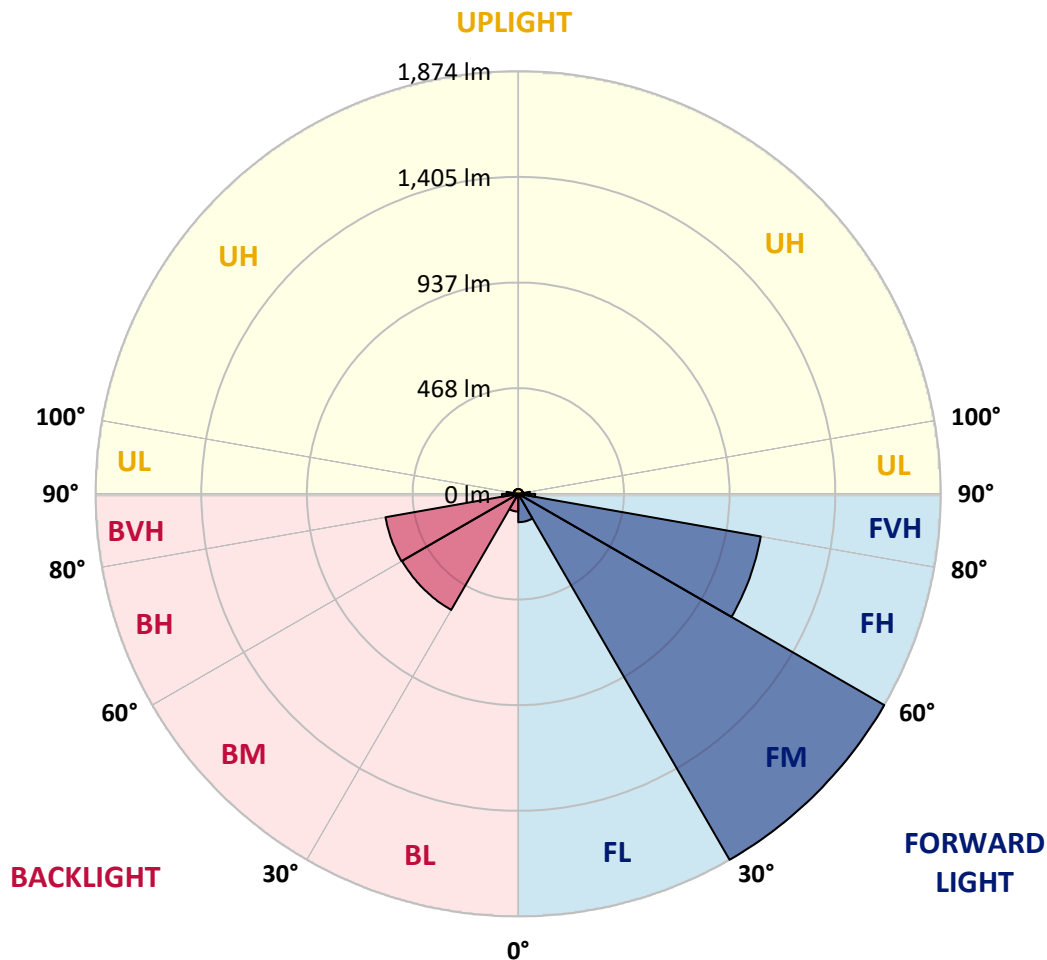


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.8	2.7			
FM (30°-60°)	1873.7	40.9			
FH (60°-80°)	1091.5	23.8			G1/1800
FVH (80°-90°)	75.0	1.6			G1/100
BL (0°-30°)	78.7	1.7	B0/110		
BM (30°-60°)	594.8	13.0	B1/1000		
BH (60°-80°)	597.8	13.0	B2/1000		G2/1000
BVH (80°-90°)	72.3	1.6			G1/100
UL (90°-100°)	52.0	1.1		U3/500	
UH (100°-180°)	21.5	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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.6	1.6
5°	3.1	3.1	3.1	4.7	3.1	3.1	3.1	3.1	3.1	1.6	1.6
7.5°	6.2	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	1.6	1.6
10°	26.4	21.7	17.1	12.4	7.8	4.7	4.7	3.1	3.1	3.1	3.1
12.5°	114.8	110.1	108.6	102.4	34.1	12.4	7.8	12.4	15.5	21.7	26.4
15°	134.9	133.4	130.3	121.0	114.8	85.3	27.9	105.5	114.8	121.0	122.5
17.5°	246.6	224.9	173.7	150.4	133.4	122.5	116.3	134.9	138.0	141.1	145.8
20°	333.4	333.4	319.5	280.7	170.6	203.2	200.1	161.3	169.0	209.4	263.6
22.5°	417.2	412.5	386.2	356.7	350.5	243.5	232.6	282.2	286.9	313.3	313.3
25°	687.0	687.0	609.5	449.7	420.3	353.6	358.2	361.3	350.5	356.7	372.2
27.5°	815.7	804.9	775.4	685.5	521.1	491.6	424.9	423.4	504.0	521.1	531.9
30°	1166.2	1161.6	995.6	808.0	704.1	569.1	580.0	592.4	592.4	594.0	576.9
32.5°	1409.7	1415.9	1330.6	1074.7	826.6	699.4	702.5	656.0	671.5	778.5	786.3
35°	1647.0	1659.4	1541.5	1307.3	1067.0	866.9	786.3	843.6	876.2	874.7	854.5
37.5°	1887.3	1878.0	1774.1	1510.5	1250.0	997.2	958.4	992.5	977.0	997.2	933.6
40°	2056.4	2054.8	1961.8	1724.5	1436.1	1177.1	1080.9	1111.9	1122.8	1115.0	1032.8
42.5°	2172.7	2161.8	2123.1	1944.7	1679.5	1415.9	1242.2	1263.9	1226.7	1256.2	1152.3
45°	2220.8	2206.8	2200.6	2065.7	1890.4	1780.3	1471.7	1428.3	1386.4	1445.4	1291.8
47.5°	2155.6	2137.0	2172.7	2130.8	2056.4	2036.2	1740.0	1589.6	1583.4	1628.4	1465.5
50°	1944.7	1912.2	2008.3	2082.7	2135.5	2213.0	2040.9	1847.0	1826.9	1830.0	1628.4
52.5°	1609.7	1611.3	1726.1	1861.0	2104.5	2244.0	2329.3	2171.1	2101.3	2067.2	1792.7
55°	1285.6	1296.5	1383.3	1502.7	1848.6	2213.0	2549.5	2537.1	2419.3	2296.8	1968.0
57.5°	924.3	947.5	1080.9	1163.1	1496.5	1995.9	2659.6	2862.8	2760.4	2534.0	2155.6
60°	528.8	556.7	702.5	888.6	1146.0	1591.1	2605.4	3197.8	3086.1	2783.7	2343.3
62.5°	336.5	344.3	407.9	603.3	749.0	1046.8	2375.8	3400.9	3345.1	3013.2	2546.4
65°	260.5	263.6	294.7	421.8	511.8	601.7	1868.7	3343.5	3433.5	3171.4	2713.9
67.5°	238.8	238.8	248.1	302.4	387.7	379.9	1208.1	2994.6	3252.1	3193.1	2769.7
70°	223.3	226.4	237.3	245.0	305.5	286.9	649.8	2369.6	2791.5	2980.7	2751.1
72.5°	195.4	198.5	212.5	232.6	237.3	232.6	362.9	1575.6	2121.5	2503.0	2600.7
75°	165.9	167.5	176.8	209.4	207.8	187.6	300.9	941.3	1405.0	1836.2	2205.3
77.5°	136.5	141.1	152.0	169.0	189.2	148.9	268.3	553.6	801.8	1155.4	1529.1
80°	100.8	103.9	114.8	139.6	152.0	128.7	221.8	359.8	449.7	598.6	736.6
82.5°	72.9	74.4	83.7	100.8	108.6	110.1	173.7	290.0	308.6	330.3	331.9
85°	45.0	43.4	45.0	52.7	66.7	71.3	125.6	231.1	232.6	224.9	221.8
87.5°	20.2	20.2	15.5	18.6	21.7	21.7	65.1	183.0	183.0	173.7	179.9
90°	21.7	21.7	15.5	15.5	17.1	15.5	37.2	155.1	164.4	164.4	181.4
92.5°	23.3	21.7	17.1	15.5	15.5	14.0	23.3	124.1	148.9	164.4	187.6
95°	21.7	21.7	15.5	14.0	14.0	12.4	18.6	85.3	119.4	133.4	159.7
97.5°	15.5	15.5	10.9	10.9	12.4	10.9	14.0	35.7	46.5	60.5	80.6
100°	10.9	10.9	7.8	7.8	7.8	7.8	9.3	15.5	18.6	15.5	18.6
102.5°	9.3	10.9	6.2	6.2	6.2	4.7	6.2	7.8	9.3	10.9	14.0
105°	9.3	9.3	4.7	4.7	4.7	4.7	3.1	6.2	6.2	7.8	14.0
107.5°	6.2	6.2	4.7	4.7	3.1	3.1	3.1	4.7	6.2	7.8	14.0
110°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	4.7	6.2	6.2	10.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	4.7	7.8
115°	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7	7.8
117.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
120°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
122.5°	4.7	4.7	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8
125°	4.7	4.7	3.1	1.6	1.6	1.6	1.6	3.1	3.1	4.7	6.2
127.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	6.2
130°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	6.2
132.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7
135°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
137.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
140°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	3.1	4.7	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	4.7	4.7	4.7	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	4.7	4.7	4.7	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1	3.1
5°	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1
7.5°	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1
10°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
12.5°	24.8	23.3	20.2	10.9	4.7	3.1	3.1	3.1	4.7	6.2	6.2
15°	125.6	127.2	124.1	111.7	27.9	7.8	4.7	14.0	52.7	91.5	63.6
17.5°	145.8	147.3	144.2	141.1	128.7	57.4	37.2	122.5	127.2	136.5	133.4
20°	268.3	265.2	221.8	164.4	148.9	138.0	116.3	141.1	148.9	152.0	152.0
22.5°	311.7	310.2	304.0	286.9	176.8	206.3	184.5	155.1	254.3	266.7	265.2
25°	361.3	352.0	335.0	319.5	305.5	226.4	228.0	246.6	260.5	262.1	262.1
27.5°	518.0	505.6	477.6	397.0	358.2	282.2	285.3	252.8	254.3	305.5	314.8
30°	562.9	542.8	513.3	497.8	412.5	331.9	272.9	290.0	299.3	297.8	300.9
32.5°	750.6	721.1	618.8	556.7	454.4	321.0	285.3	280.7	280.7	305.5	308.6
35°	809.5	766.1	710.3	694.8	462.1	314.8	269.8	274.5	310.2	314.8	313.3
37.5°	879.3	818.8	763.0	725.8	483.9	291.6	255.9	276.0	286.9	286.9	285.3
40°	956.9	896.4	839.0	735.1	460.6	268.3	257.4	262.1	269.8	265.2	263.6
42.5°	1070.1	989.4	938.2	735.1	401.7	254.3	251.2	251.2	257.4	252.8	251.2
45°	1208.1	1115.0	1022.0	724.2	341.2	246.6	248.1	246.6	252.8	246.6	245.0
47.5°	1353.9	1257.7	1098.0	697.9	294.7	240.4	252.8	245.0	246.6	237.3	235.7
50°	1519.8	1415.9	1177.1	651.3	268.3	240.4	251.2	246.6	241.9	232.6	231.1
52.5°	1687.3	1581.8	1270.1	594.0	249.7	235.7	252.8	251.2	245.0	231.1	231.1
55°	1859.4	1786.5	1377.1	544.3	229.5	234.2	260.5	260.5	248.1	229.5	228.0
57.5°	2044.0	1994.3	1495.0	525.7	210.9	224.9	272.9	276.0	252.8	228.0	228.0
60°	2259.5	2279.7	1620.6	504.0	198.5	217.1	279.1	290.0	259.0	228.0	228.0
62.5°	2527.8	2585.2	1738.5	454.4	187.6	206.3	285.3	305.5	277.6	254.3	255.9
65°	2738.7	2772.9	1780.3	364.4	176.8	210.9	300.9	324.1	290.0	286.9	294.7
67.5°	2855.0	2839.5	1716.7	277.6	164.4	207.8	296.2	336.5	304.0	311.7	316.4
70°	2851.9	2738.7	1505.8	214.0	153.5	204.7	300.9	331.9	311.7	333.4	347.4
72.5°	2653.4	2396.0	1141.4	186.1	153.5	201.6	293.1	319.5	313.3	335.0	345.8
75°	2132.4	1820.7	783.2	162.8	145.8	192.3	279.1	297.8	285.3	304.0	310.2
77.5°	1412.8	1197.2	437.3	147.3	144.2	176.8	254.3	263.6	249.7	262.1	266.7
80°	662.2	552.1	243.5	136.5	139.6	156.6	209.4	223.3	201.6	214.0	214.0
82.5°	304.0	280.7	184.5	124.1	125.6	119.4	162.8	184.5	164.4	170.6	164.4
85°	204.7	206.3	147.3	105.5	102.4	85.3	128.7	142.7	124.1	128.7	108.6
87.5°	178.3	183.0	117.9	68.2	58.9	52.7	83.7	86.8	63.6	52.7	51.2
90°	183.0	184.5	108.6	51.2	35.7	27.9	45.0	43.4	27.9	24.8	24.8
92.5°	189.2	189.2	110.1	54.3	35.7	26.4	40.3	32.6	24.8	21.7	21.7
95°	172.1	162.8	96.2	54.3	34.1	23.3	32.6	27.9	21.7	21.7	20.2
97.5°	105.5	96.2	71.3	54.3	27.9	20.2	24.8	21.7	15.5	14.0	14.0
100°	29.5	24.8	45.0	43.4	20.2	14.0	17.1	14.0	9.3	7.8	6.2
102.5°	14.0	14.0	23.3	27.9	10.9	7.8	9.3	9.3	7.8	7.8	6.2
105°	14.0	14.0	10.9	12.4	6.2	4.7	4.7	6.2	6.2	7.8	7.8
107.5°	14.0	15.5	9.3	6.2	6.2	4.7	3.1	4.7	6.2	7.8	9.3
110°	12.4	12.4	7.8	6.2	4.7	4.7	3.1	4.7	6.2	9.3	9.3

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	9.3	6.2	6.2	4.7	4.7	3.1	3.1	6.2	9.3	10.9
115°	7.8	7.8	6.2	4.7	3.1	3.1	3.1	3.1	6.2	10.9	12.4
117.5°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	3.1	6.2	12.4	12.4
120°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	4.7	7.8	12.4	14.0
122.5°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	4.7	7.8	12.4	14.0
125°	7.8	7.8	4.7	3.1	3.1	3.1	3.1	4.7	7.8	12.4	12.4
127.5°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	3.1	6.2	10.9	12.4
130°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	3.1	6.2	10.9	10.9
132.5°	4.7	4.7	3.1	3.1	3.1	1.6	3.1	3.1	6.2	9.3	9.3
135°	3.1	3.1	3.1	1.6	1.6	1.6	3.1	3.1	4.7	6.2	7.8
137.5°	3.1	3.1	1.6	1.6	3.1	3.1	3.1	3.1	4.7	4.7	4.7
140°	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	4.7	4.7
142.5°	1.6	1.6	1.6	1.6	3.1	1.6	3.1	3.1	3.1	4.7	4.7
145°	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	4.7	4.7
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	4.7	4.7
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7
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)