

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: P695507

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4465.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

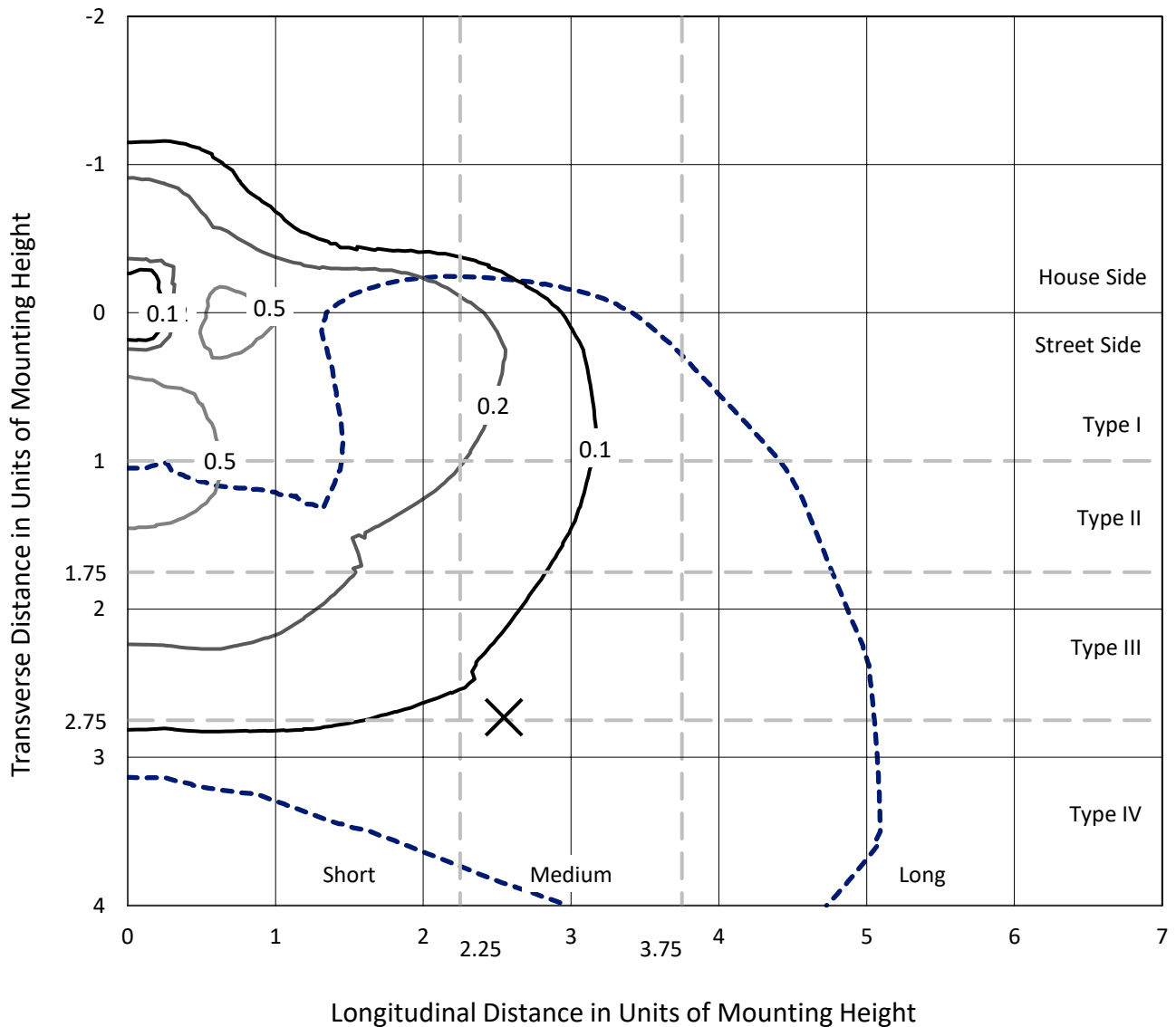
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

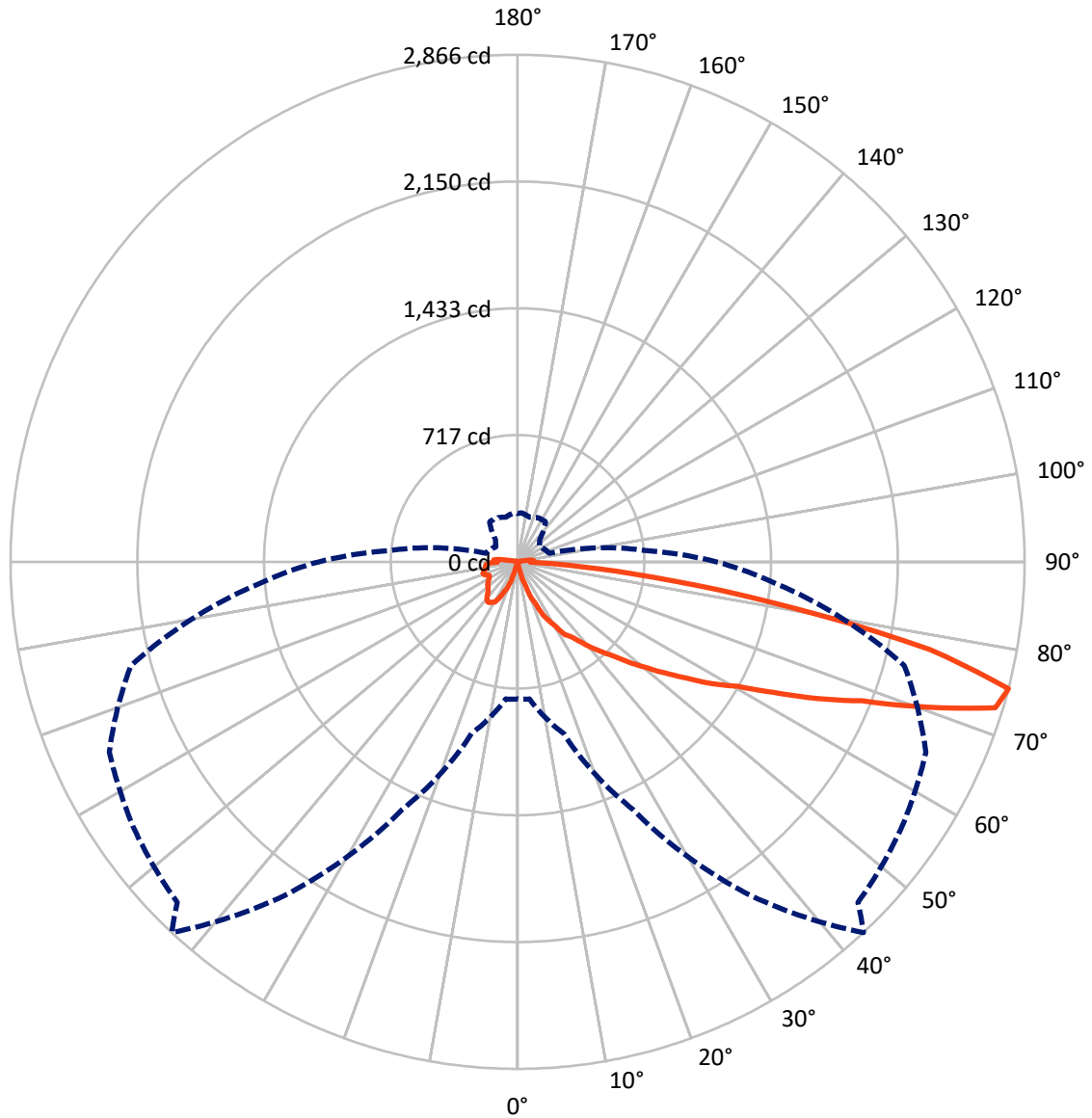
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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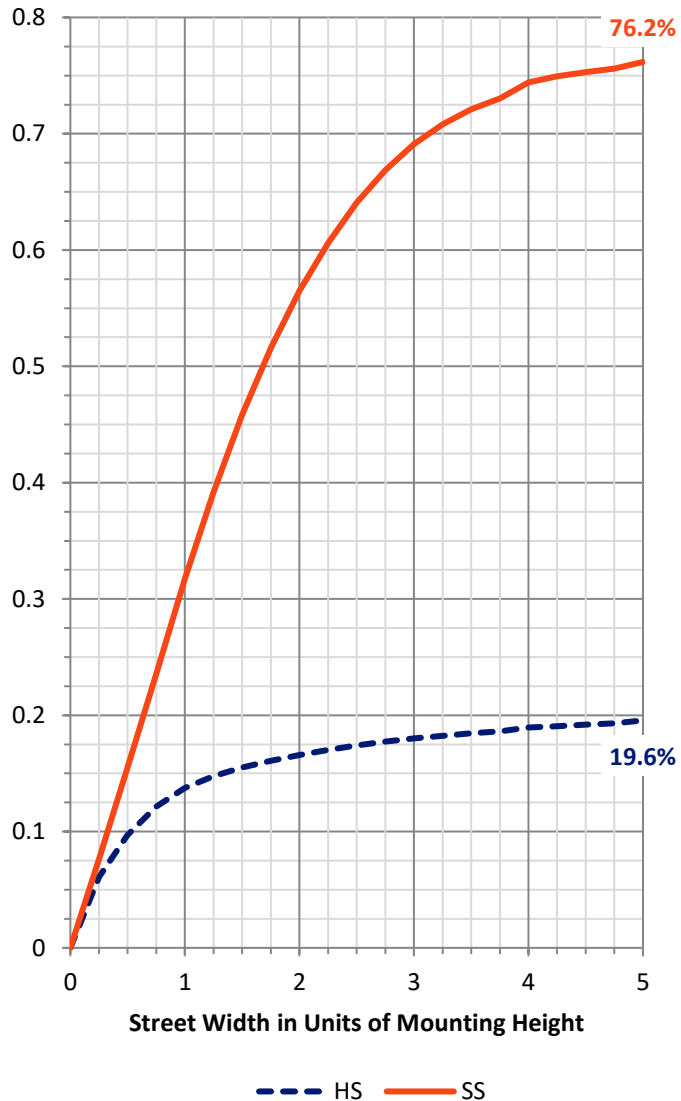
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	930.3	62.7	993.0
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	3426.6	45.5	3472.1
	% Fixture	76.7	1.0	77.8
Total	Lumens	4356.9	108.2	4465.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	26.5	0.6
20°-30°	145.1	3.2
30°-40°	339.5	7.6
40°-50°	514.3	11.5
50°-60°	800.0	17.9
60°-70°	1205.1	27.0
70°-80°	1084.4	24.3
80°-90°	241.7	5.4
90°-100°	83.1	1.9
100°-110°	13.6	0.3
110°-120°	4.4	0.1
120°-130°	3.3	0.1
130°-140°	2.0	0.0
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4356.9	97.6
0°-180°	4465.1	100.0

Coefficient of Utilization

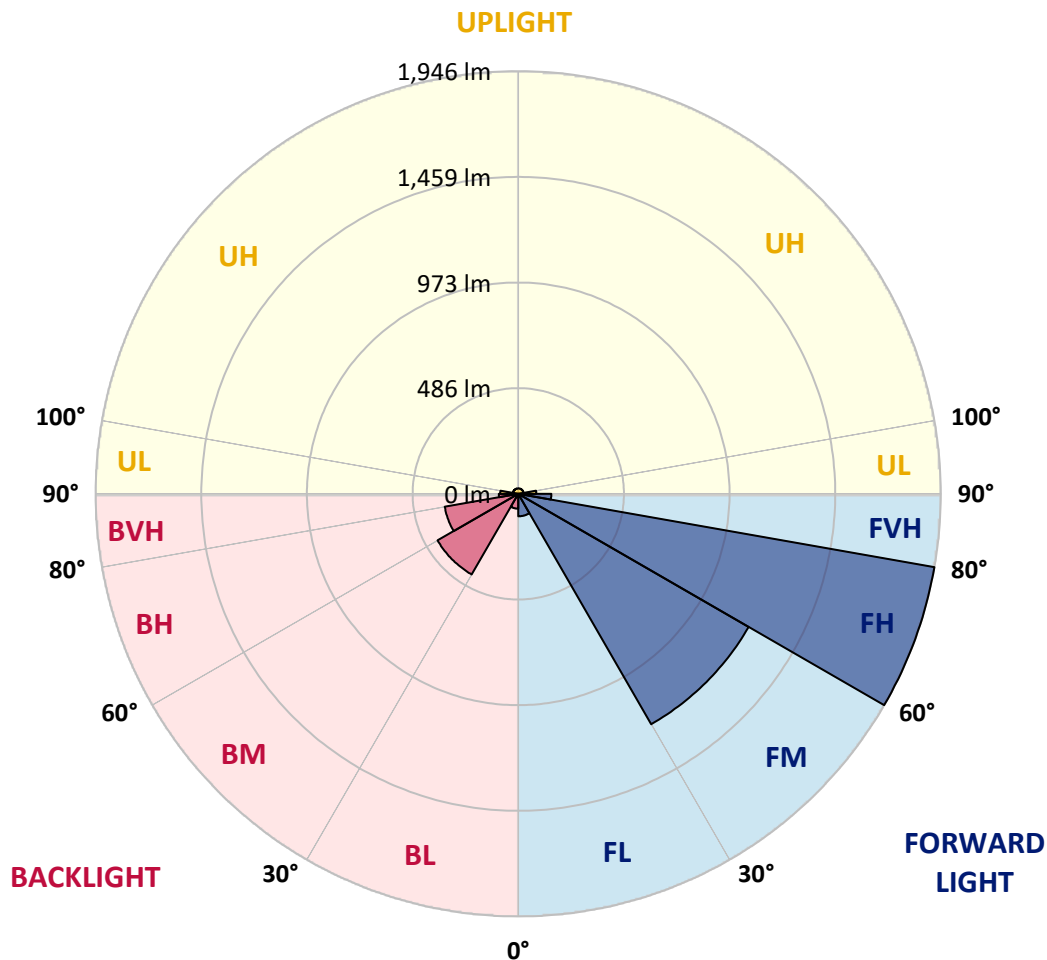


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.5	2.3			
FM (30°-60°)	1225.1	27.4			
FH (60°-80°)	1945.8	43.6			G2/5000
FVH (80°-90°)	152.2	3.4			G2/225
BL (0°-30°)	68.5	1.5	B0/110		
BM (30°-60°)	428.8	9.6	B1/1000		
BH (60°-80°)	343.6	7.7	B1/500		G1/500
BVH (80°-90°)	89.4	2.0			G1/100
UL (90°-100°)	83.1	1.9		U3/500	
UH (100°-180°)	25.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	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	1.6	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
7.5°	4.7	4.7	3.1	3.1	4.7	3.1	3.1	3.1	3.1	3.1	3.1
10°	31.0	31.0	27.9	17.1	7.8	4.7	4.7	4.7	3.1	4.7	4.7
12.5°	128.7	128.7	119.4	111.7	34.1	20.2	14.0	7.8	14.0	20.2	26.4
15°	153.6	153.6	147.4	133.4	124.1	97.7	63.6	37.2	100.8	107.0	105.5
17.5°	279.2	240.4	190.8	166.0	139.6	127.2	142.7	116.3	127.2	130.3	128.7
20°	327.3	321.1	307.1	291.6	176.8	215.6	200.1	198.5	155.1	200.1	235.8
22.5°	353.6	353.6	330.4	310.2	314.9	248.2	234.2	224.9	259.0	282.3	280.7
25°	491.7	491.7	471.5	342.8	331.9	330.4	305.6	324.2	325.7	324.2	327.3
27.5°	521.2	516.5	497.9	456.0	369.2	376.9	383.1	361.4	401.7	470.0	465.3
30°	744.5	718.1	583.2	490.1	460.7	421.9	407.9	438.9	480.8	497.9	501.0
32.5°	863.9	854.6	792.6	653.0	510.3	491.7	465.3	490.1	499.4	612.7	659.2
35°	997.3	980.3	926.0	738.3	617.3	518.1	507.2	493.2	591.0	642.1	687.1
37.5°	1098.1	1096.6	1048.5	840.7	685.6	570.8	535.1	549.1	611.1	673.2	715.0
40°	1185.0	1178.8	1157.1	935.3	743.0	632.8	570.8	581.6	640.6	702.6	750.7
42.5°	1276.5	1271.9	1273.4	1014.4	815.9	694.9	620.4	612.7	676.3	750.7	805.0
45°	1382.0	1378.9	1374.2	1132.3	898.1	758.5	684.0	662.3	747.6	811.2	876.3
47.5°	1427.0	1420.8	1453.3	1233.1	989.6	846.9	753.8	727.4	826.7	901.2	991.1
50°	1484.4	1478.2	1498.3	1335.5	1098.1	939.9	846.9	806.5	922.9	1025.2	1141.6
52.5°	1592.9	1648.8	1569.7	1447.1	1248.6	1043.9	939.9	908.9	1051.6	1191.2	1388.2
55°	1723.2	1710.8	1668.9	1575.9	1386.6	1161.7	1042.3	1025.2	1223.8	1400.6	1642.6
57.5°	1748.0	1734.1	1768.2	1707.7	1546.4	1301.3	1160.2	1167.9	1397.5	1619.3	1928.0
60°	1805.4	1796.1	1859.7	1892.3	1710.8	1430.1	1282.7	1357.2	1575.9	1842.7	2204.1
62.5°	1865.9	1876.8	1971.4	2019.5	1820.9	1625.5	1450.2	1572.8	1848.9	2084.6	2449.1
65°	1856.6	1872.1	2067.6	2092.4	1955.9	1862.8	1658.1	1817.8	2100.1	2334.3	2627.5
67.5°	1810.1	1825.6	2090.8	2191.6	2140.5	2098.6	1895.4	2083.1	2332.8	2503.4	2683.3
70°	1713.9	1715.5	1977.6	2270.7	2366.9	2461.5	2221.1	2343.6	2560.8	2650.8	2545.3
72.5°	1386.6	1397.5	1644.1	2115.6	2532.9	2822.9	2590.3	2587.2	2683.3	2607.3	2093.9
75°	775.5	778.6	1005.1	1546.4	2306.4	2866.4	2722.1	2643.0	2546.8	2263.0	1479.7
77.5°	235.8	263.7	352.1	786.4	1614.7	2382.4	2343.6	2325.0	2129.6	1596.0	805.0
80°	119.4	124.1	158.2	271.4	834.5	1577.4	1611.5	1668.9	1327.7	688.7	373.8
82.5°	68.2	71.3	96.2	144.2	355.2	881.0	967.9	912.0	570.8	324.2	259.0
85°	34.1	34.1	45.0	66.7	166.0	349.0	404.8	327.3	246.6	214.0	209.4
87.5°	18.6	18.6	15.5	20.2	51.2	77.6	90.0	122.5	131.8	134.9	178.4
90°	20.2	20.2	15.5	17.1	37.2	69.8	99.3	119.4	122.5	128.7	181.5
92.5°	20.2	20.2	15.5	15.5	34.1	82.2	113.2	130.3	127.2	138.0	186.1
95°	20.2	18.6	14.0	15.5	29.5	88.4	107.0	138.0	122.5	124.1	155.1
97.5°	12.4	12.4	9.3	12.4	21.7	68.2	74.5	99.3	83.8	55.8	72.9
100°	9.3	9.3	6.2	9.3	12.4	32.6	31.0	48.1	37.2	12.4	18.6
102.5°	9.3	10.9	6.2	6.2	7.8	9.3	10.9	15.5	15.5	9.3	12.4
105°	10.9	10.9	4.7	4.7	4.7	4.7	6.2	6.2	6.2	7.8	12.4
107.5°	9.3	9.3	4.7	3.1	3.1	4.7	4.7	3.1	4.7	6.2	14.0
110°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	4.7	6.2	10.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.1	4.7	1.6	3.1	1.6	3.1	3.1	3.1	3.1	4.7	6.2
115°	4.7	3.1	1.6	1.6	1.6	3.1	3.1	3.1	3.1	4.7	6.2
117.5°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	7.8
120°	4.7	4.7	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2
122.5°	4.7	4.7	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2
125°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.2
127.5°	4.7	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2
130°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
142.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
145°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1
150°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
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°	3.1	3.1	3.1	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1
5°	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	3.1
7.5°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	3.1	3.1
10°	4.7	4.7	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1
12.5°	27.9	26.4	18.6	10.9	4.7	3.1	3.1	3.1	4.7	6.2	6.2
15°	107.0	103.9	100.8	91.5	26.4	6.2	4.7	14.0	54.3	76.0	88.4
17.5°	125.6	124.1	121.0	114.8	105.5	35.7	46.5	99.3	117.9	121.0	124.1
20°	231.1	226.5	175.3	131.8	121.0	127.2	111.7	124.1	130.3	134.9	139.6
22.5°	274.5	269.9	255.9	234.2	144.2	167.5	161.3	142.7	217.1	234.2	237.3
25°	321.1	313.3	283.8	260.6	240.4	186.1	200.1	226.5	245.1	257.5	257.5
27.5°	457.6	442.1	404.8	286.9	266.8	228.0	245.1	240.4	271.4	333.5	338.1
30°	494.8	477.7	425.0	355.2	283.8	263.7	252.8	310.2	350.5	364.5	369.2
32.5°	659.2	643.7	550.6	366.0	311.8	263.7	293.1	322.6	350.5	415.7	421.9
35°	691.8	667.0	570.8	421.9	310.2	276.1	294.7	328.8	406.4	435.8	442.1
37.5°	724.3	699.5	569.2	404.8	330.4	280.7	288.5	336.6	378.5	398.6	403.3
40°	769.3	732.1	558.4	376.9	314.9	269.9	285.4	316.4	341.2	347.4	352.1
42.5°	828.3	777.1	546.0	349.0	291.6	252.8	266.8	290.0	305.6	296.3	296.3
45°	910.5	831.4	522.7	321.1	269.9	234.2	251.3	268.3	276.1	259.0	254.4
47.5°	1012.8	896.5	497.9	294.7	255.9	223.4	242.0	255.9	255.9	232.7	229.6
50°	1136.9	977.2	465.3	273.0	240.4	217.1	232.7	245.1	237.3	214.0	212.5
52.5°	1326.2	1099.7	434.3	254.4	226.5	210.9	231.1	229.6	218.7	198.5	197.0
55°	1560.4	1259.5	406.4	240.4	217.1	200.1	226.5	220.3	207.8	189.2	189.2
57.5°	1793.0	1434.7	376.9	231.1	206.3	190.8	218.7	215.6	201.6	183.0	181.5
60°	2021.0	1596.0	333.5	223.4	192.3	181.5	209.4	217.1	198.5	179.9	179.9
62.5°	2205.6	1673.6	285.4	210.9	178.4	175.3	204.7	223.4	214.0	206.3	206.3
65°	2266.1	1627.1	248.2	201.6	169.1	170.6	206.3	246.6	249.7	259.0	260.6
67.5°	2224.2	1495.2	223.4	193.9	162.9	178.4	235.8	277.6	269.9	276.1	279.2
70°	2042.7	1301.3	209.4	184.6	162.9	190.8	259.0	277.6	266.8	285.4	286.9
72.5°	1658.1	1053.2	197.0	176.8	156.7	189.2	273.0	274.5	266.8	288.5	285.4
75°	1124.5	725.9	186.1	167.5	148.9	175.3	276.1	274.5	260.6	277.6	273.0
77.5°	567.7	369.2	172.2	156.7	138.0	167.5	273.0	276.1	257.5	271.4	266.8
80°	288.5	237.3	153.6	144.2	125.6	164.4	266.8	273.0	246.6	259.0	257.5
82.5°	221.8	186.1	128.7	125.6	114.8	161.3	257.5	263.7	234.2	243.5	237.3
85°	181.5	147.4	94.6	97.7	103.9	162.9	255.9	260.6	226.5	221.8	218.7
87.5°	153.6	113.2	46.5	49.6	76.0	145.8	218.7	215.6	176.8	175.3	178.4
90°	153.6	103.9	31.0	31.0	62.0	103.9	144.2	130.3	122.5	130.3	128.7
92.5°	152.0	94.6	32.6	32.6	69.8	114.8	162.9	134.9	125.6	128.7	127.2
95°	125.6	77.6	37.2	35.7	60.5	127.2	169.1	138.0	128.7	124.1	124.1
97.5°	63.6	43.4	35.7	35.7	48.1	103.9	134.9	108.6	82.2	68.2	72.9
100°	15.5	17.1	34.1	34.1	29.5	52.7	74.5	66.7	34.1	17.1	15.5
102.5°	12.4	10.9	26.4	29.5	18.6	18.6	34.1	38.8	26.4	7.8	7.8
105°	12.4	10.9	12.4	15.5	9.3	7.8	12.4	21.7	12.4	7.8	7.8
107.5°	14.0	12.4	6.2	6.2	6.2	6.2	6.2	7.8	6.2	7.8	7.8
110°	12.4	10.9	6.2	6.2	4.7	6.2	4.7	6.2	6.2	7.8	7.8

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

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