

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: P695491

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.1 lumens
Efficiency: N/A
Efficacy: 79.0 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: B1 - U3 - G2

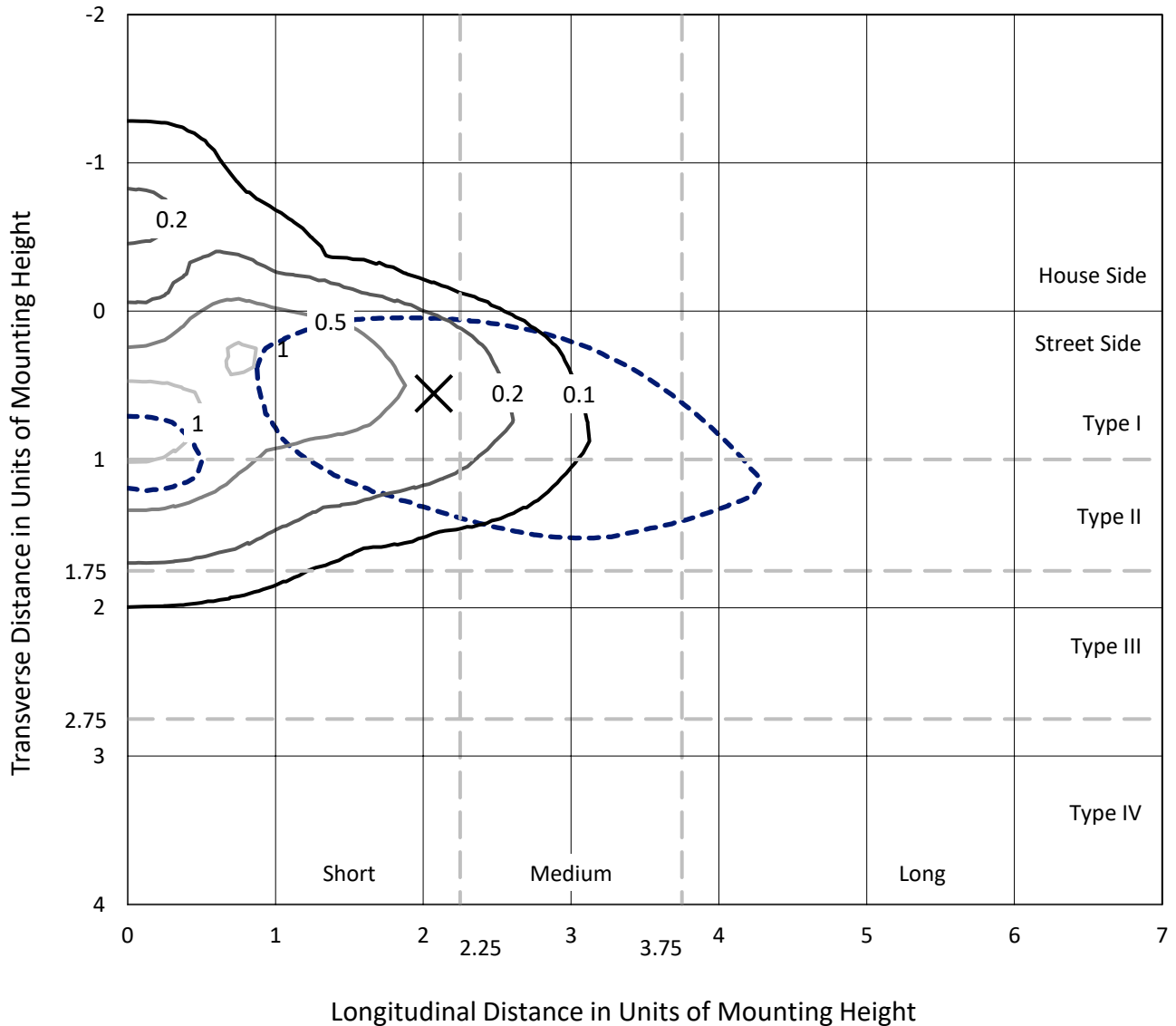
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

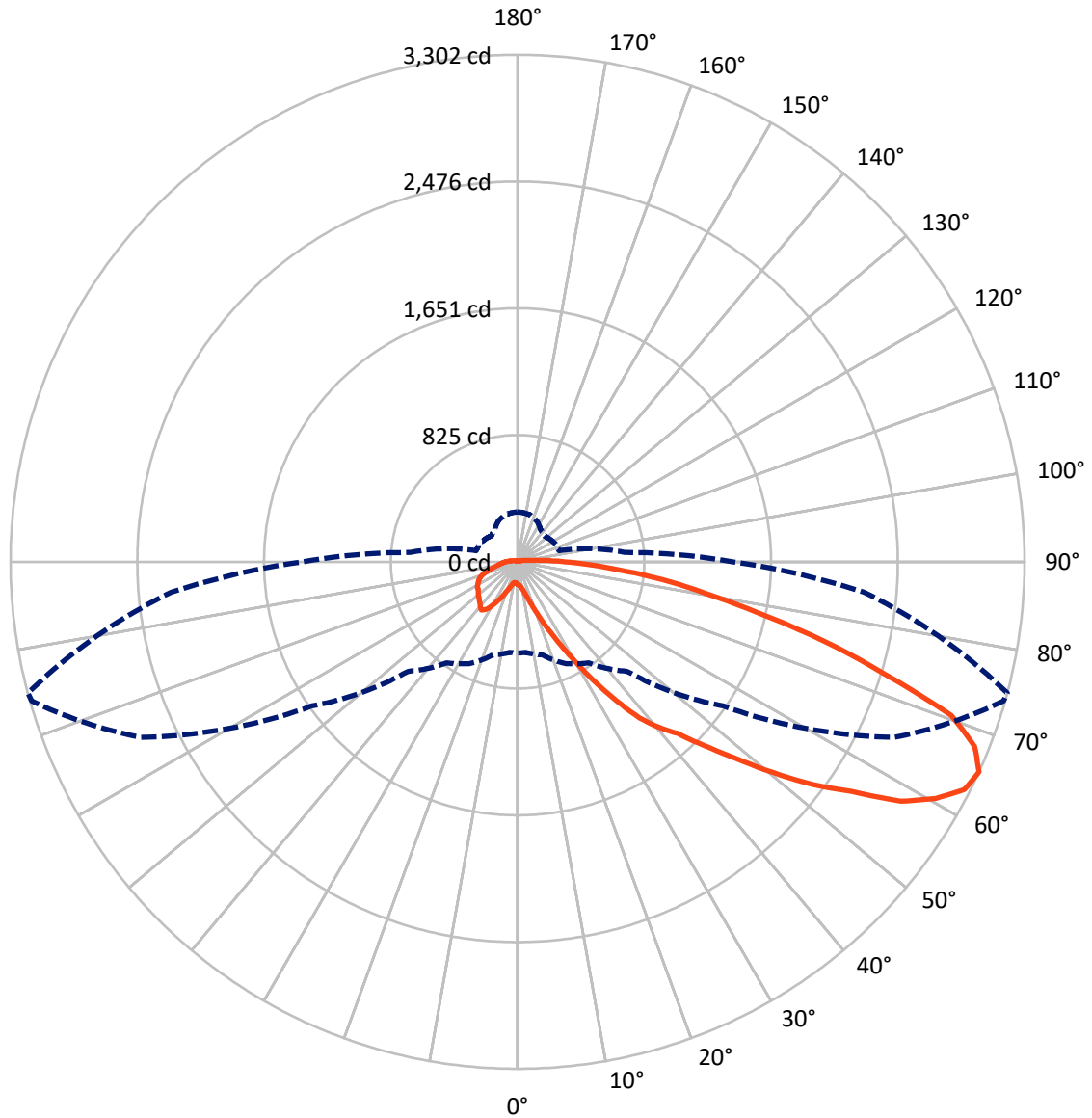
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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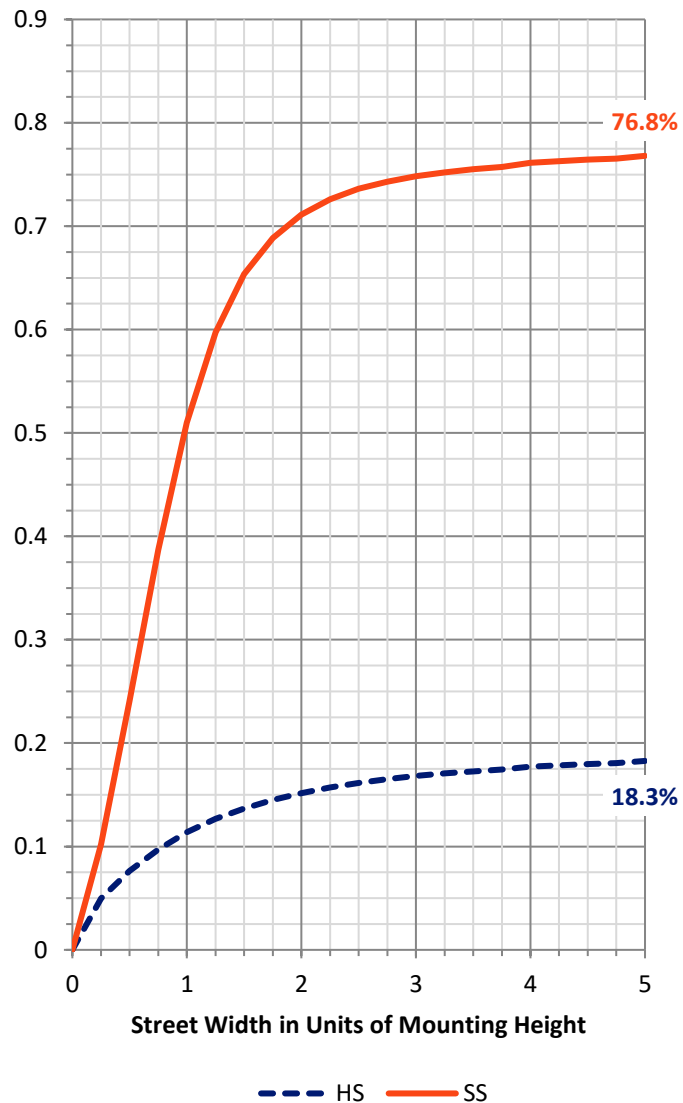
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	803.2	63.8	867.0
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	3264.0	64.0	3328.0
	% Fixture	77.8	1.5	79.3
Total	Lumens	4067.2	127.8	4195.1
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.4
10°-20°	64.0	1.5
20°-30°	199.9	4.8
30°-40°	475.3	11.3
40°-50°	735.8	17.5
50°-60°	918.1	21.9
60°-70°	898.4	21.4
70°-80°	546.3	13.0
80°-90°	214.6	5.1
90°-100°	66.9	1.6
100°-110°	26.8	0.6
110°-120°	14.8	0.4
120°-130°	9.7	0.2
130°-140°	6.5	0.2
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4067.2	97.0
0°-180°	4195.1	100.0

Coefficient of Utilization

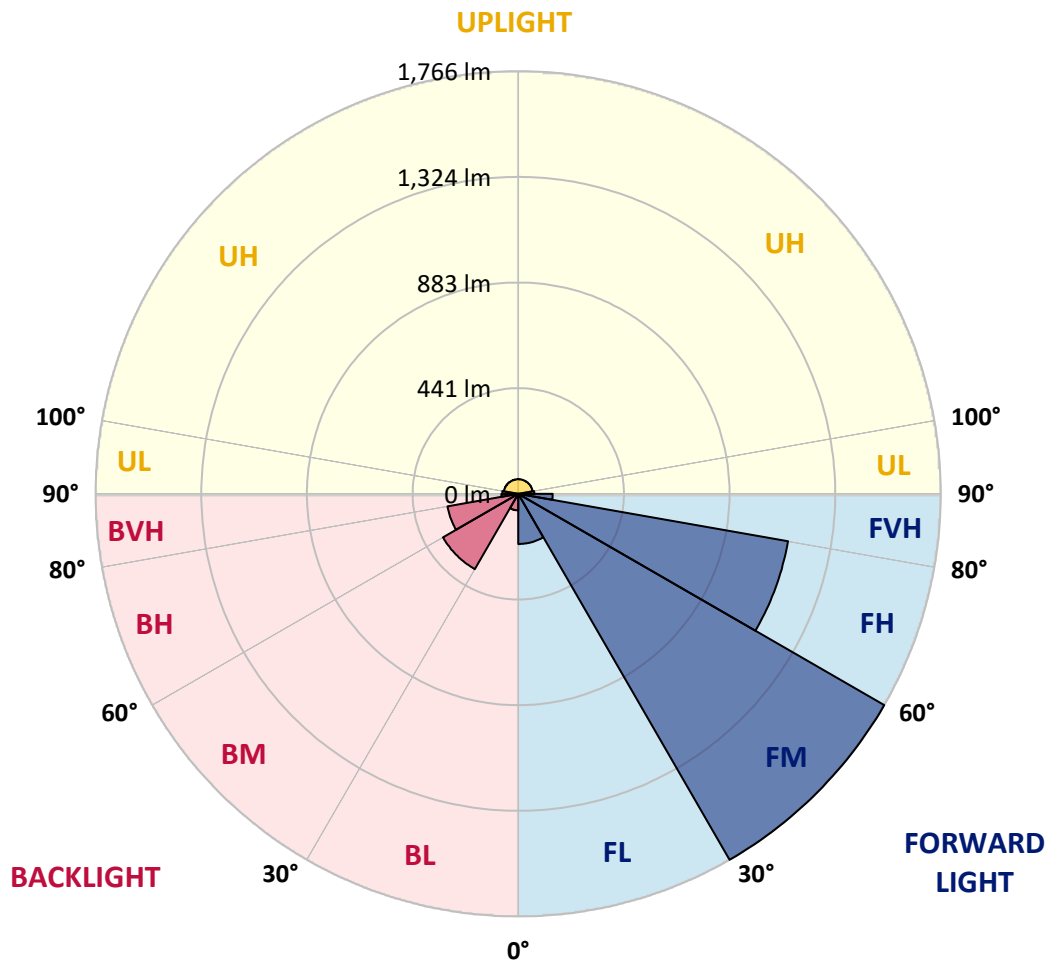


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.7	5.0			
FM (30°-60°)	1765.8	42.1			
FH (60°-80°)	1144.6	27.3			G1/1800
FVH (80°-90°)	144.0	3.4			G2/225
BL (0°-30°)	69.1	1.6	B0/110		
BM (30°-60°)	363.4	8.7	B1/1000		
BH (60°-80°)	300.1	7.2	B1/500		G1/500
BVH (80°-90°)	70.6	1.7			G1/100
UL (90°-100°)	66.9	1.6		U3/500	
UH (100°-180°)	60.9	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	162.8	164.4	162.8	161.3	159.7	158.2	155.1	153.5	150.4	150.4	147.3
5°	189.2	189.2	189.2	184.5	181.4	178.3	170.6	164.4	158.2	156.6	152.0
7.5°	221.8	218.7	217.1	212.5	206.2	200.0	189.2	178.3	169.0	167.5	158.2
10°	260.5	259.0	257.4	251.2	240.4	229.5	214.0	200.0	184.5	183.0	167.5
12.5°	313.2	311.7	305.5	297.7	282.2	265.2	246.6	229.5	209.3	207.8	186.1
15°	370.6	372.2	367.5	352.0	336.5	313.2	291.5	271.4	249.7	243.5	215.6
17.5°	457.5	455.9	445.1	418.7	400.1	375.3	347.4	321.0	294.6	290.0	254.3
20°	552.1	555.2	539.7	502.4	473.0	443.5	420.2	381.5	355.1	352.0	302.4
22.5°	673.0	680.8	648.2	611.0	561.4	527.3	504.0	466.8	429.6	429.6	366.0
25°	831.2	834.3	790.9	730.4	668.4	615.6	595.5	572.2	528.8	522.6	448.2
27.5°	994.0	1003.3	952.2	873.1	780.0	716.4	704.0	691.6	638.9	637.4	533.5
30°	1246.8	1242.1	1155.3	1042.1	907.2	823.4	815.7	829.6	780.0	773.8	645.1
32.5°	1476.3	1468.5	1375.5	1226.6	1042.1	942.8	930.4	977.0	942.8	941.3	772.3
35°	1665.5	1654.6	1570.9	1403.4	1187.9	1053.0	1060.7	1138.2	1121.2	1113.4	888.6
37.5°	1753.9	1772.5	1701.2	1538.3	1313.5	1166.2	1201.8	1316.6	1301.1	1290.2	1015.7
40°	1814.4	1839.2	1764.7	1611.2	1400.3	1267.0	1324.3	1463.9	1431.3	1417.4	1070.0
42.5°	1836.1	1856.2	1806.6	1653.1	1453.0	1342.9	1418.9	1572.4	1552.3	1529.0	1147.5
45°	1822.1	1846.9	1808.2	1671.7	1479.4	1389.5	1488.7	1710.5	1726.0	1707.4	1257.6
47.5°	1767.8	1795.8	1781.8	1671.7	1487.2	1412.7	1572.4	1885.7	1921.4	1912.1	1378.6
50°	1622.1	1653.1	1677.9	1639.1	1479.4	1420.5	1665.5	2059.4	2164.8	2158.6	1546.1
52.5°	1504.2	1529.0	1538.3	1536.8	1449.9	1431.3	1753.9	2285.8	2419.1	2409.8	1696.5
55°	1346.0	1361.5	1406.5	1395.7	1352.2	1415.8	1820.6	2451.7	2648.7	2637.8	1868.6
57.5°	1073.1	1099.5	1183.2	1271.6	1231.3	1364.6	1850.0	2602.1	2955.7	2941.7	2067.1
60°	913.4	921.1	969.2	1053.0	1108.8	1262.3	1839.2	2757.2	3140.2	3127.8	2157.1
62.5°	744.4	749.0	809.5	880.8	959.9	1149.1	1775.6	2766.5	3259.6	3265.9	2245.5
65°	593.9	592.4	628.0	730.4	803.3	1008.0	1637.6	2704.5	3290.7	3301.5	2262.5
67.5°	452.8	466.8	513.3	566.0	665.3	845.2	1440.6	2541.7	3206.9	3210.0	2192.7
70°	311.7	317.9	361.3	445.1	519.5	700.9	1223.5	2290.4	2996.0	2996.0	1994.2
72.5°	224.9	232.6	254.3	308.6	401.6	549.0	1011.1	1966.3	2524.6	2499.8	1670.1
75°	167.5	169.0	189.2	221.8	283.8	428.0	786.2	1546.1	2050.1	2057.8	1372.4
77.5°	130.3	131.8	141.1	164.4	207.8	311.7	584.6	1192.5	1597.3	1600.4	1059.2
80°	108.6	110.1	114.8	127.2	155.1	223.3	429.6	897.9	1234.4	1235.9	825.0
82.5°	89.9	91.5	96.1	103.9	121.0	165.9	308.6	687.0	935.1	947.5	618.7
85°	76.0	77.5	80.6	86.8	99.2	128.7	223.3	493.1	659.1	654.4	428.0
87.5°	62.0	62.0	66.7	71.3	80.6	103.9	164.4	338.1	446.6	442.0	297.7
90°	46.5	48.1	51.2	57.4	66.7	82.2	119.4	221.8	277.6	277.6	189.2
92.5°	34.1	34.1	38.8	45.0	52.7	66.7	86.8	141.1	165.9	167.5	122.5
95°	24.8	24.8	27.9	31.0	40.3	52.7	63.6	86.8	102.3	99.2	83.7
97.5°	20.2	20.2	21.7	24.8	31.0	41.9	49.6	62.0	68.2	68.2	62.0
100°	17.1	17.1	18.6	18.6	24.8	34.1	40.3	45.0	49.6	51.2	49.6
102.5°	14.0	15.5	15.5	15.5	20.2	29.5	32.6	35.7	38.8	38.8	38.8
105°	12.4	12.4	14.0	14.0	17.1	24.8	27.9	29.5	31.0	31.0	31.0
107.5°	10.9	10.9	12.4	12.4	15.5	21.7	23.3	23.3	24.8	24.8	24.8
110°	10.9	10.9	10.9	10.9	14.0	18.6	18.6	18.6	18.6	18.6	20.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.3	9.3	10.9	10.9	12.4	17.1	17.1	15.5	15.5	15.5	18.6
115°	9.3	9.3	9.3	10.9	12.4	14.0	14.0	14.0	14.0	14.0	15.5
117.5°	9.3	9.3	9.3	10.9	10.9	14.0	12.4	12.4	12.4	12.4	14.0
120°	9.3	9.3	9.3	9.3	10.9	12.4	12.4	10.9	10.9	10.9	12.4
122.5°	9.3	9.3	9.3	9.3	10.9	10.9	10.9	9.3	9.3	9.3	12.4
125°	9.3	9.3	10.9	10.9	10.9	10.9	10.9	9.3	9.3	9.3	10.9
127.5°	10.9	10.9	10.9	10.9	9.3	10.9	9.3	9.3	9.3	9.3	10.9
130°	12.4	12.4	12.4	10.9	9.3	9.3	9.3	9.3	9.3	9.3	10.9
132.5°	12.4	12.4	12.4	10.9	9.3	9.3	7.8	7.8	9.3	9.3	9.3
135°	12.4	12.4	10.9	9.3	9.3	7.8	7.8	7.8	7.8	7.8	9.3
137.5°	10.9	10.9	10.9	9.3	7.8	7.8	6.2	6.2	7.8	7.8	7.8
140°	9.3	9.3	9.3	7.8	6.2	6.2	4.7	4.7	6.2	6.2	6.2
142.5°	7.8	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7	4.7	6.2
145°	6.2	6.2	6.2	4.7	4.7	4.7	3.1	3.1	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	4.7	4.7	4.7	3.1	3.1	3.1	1.6	3.1	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°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	147.3	145.8	142.7	141.1	138.0	136.5	134.9	133.4	134.9	133.4	133.4
5°	148.9	145.8	139.6	133.4	128.7	125.6	122.5	119.4	119.4	117.9	116.3
7.5°	152.0	147.3	136.5	128.7	119.4	113.2	108.6	105.5	103.9	102.3	102.3
10°	159.7	152.0	138.0	124.1	113.2	103.9	97.7	94.6	91.5	91.5	91.5
12.5°	175.2	165.9	144.2	124.1	108.6	97.7	89.9	86.8	86.8	86.8	86.8
15°	201.6	186.1	158.2	131.8	110.1	94.6	89.9	91.5	94.6	97.7	96.1
17.5°	234.2	215.6	176.8	142.7	116.3	102.3	99.2	103.9	108.6	111.7	113.2
20°	274.5	246.6	196.9	153.5	127.2	117.9	114.8	119.4	125.6	130.3	130.3
22.5°	327.2	290.0	223.3	169.0	142.7	133.4	130.3	134.9	142.7	147.3	147.3
25°	393.9	342.7	255.9	189.2	159.7	145.8	145.8	152.0	162.8	169.0	170.6
27.5°	468.3	398.5	285.3	214.0	178.3	159.7	161.3	173.7	186.1	195.4	195.4
30°	549.0	465.2	319.5	235.7	192.3	173.7	175.2	190.7	207.8	220.2	218.7
32.5°	645.1	535.0	355.1	257.4	206.2	184.5	189.2	212.5	232.6	248.1	246.6
35°	742.8	595.5	378.4	277.6	218.7	193.8	201.6	231.1	254.3	268.3	268.3
37.5°	818.8	645.1	392.3	288.4	229.5	201.6	210.9	243.5	268.3	280.7	279.1
40°	845.2	645.1	381.5	290.0	234.2	207.8	218.7	249.7	271.4	279.1	274.5
42.5°	885.5	657.5	366.0	280.7	235.7	212.5	221.8	249.7	263.6	265.2	262.1
45°	942.8	677.7	355.1	274.5	232.6	214.0	221.8	245.0	262.1	266.7	263.6
47.5°	1015.7	697.8	342.7	271.4	232.6	214.0	221.8	249.7	266.7	266.7	263.6
50°	1108.8	730.4	336.5	272.9	237.3	215.6	226.4	255.9	271.4	268.3	266.7
52.5°	1180.1	738.2	325.7	277.6	241.9	218.7	231.1	262.1	276.0	269.8	268.3
55°	1273.2	756.8	313.2	277.6	249.7	226.4	237.3	268.3	279.1	271.4	269.8
57.5°	1369.3	776.9	311.7	276.0	252.8	232.6	243.5	272.9	282.2	276.0	274.5
60°	1395.7	753.7	302.4	280.7	254.3	238.8	248.1	277.6	291.5	288.4	288.4
62.5°	1417.4	735.0	291.5	279.1	259.0	238.8	252.8	285.3	307.0	307.0	307.0
65°	1401.9	699.4	279.1	272.9	257.4	240.4	259.0	294.6	316.4	322.6	324.1
67.5°	1336.7	649.8	266.7	263.6	249.7	240.4	260.5	294.6	321.0	330.3	330.3
70°	1197.2	567.6	245.0	245.0	238.8	231.1	255.9	290.0	311.7	322.6	322.6
72.5°	1003.3	469.9	212.5	220.2	218.7	217.1	243.5	274.5	288.4	297.7	296.2
75°	798.6	378.4	184.5	187.6	190.7	195.4	223.3	248.1	252.8	260.5	259.0
77.5°	626.5	302.4	156.6	159.7	162.8	173.7	200.0	215.6	218.7	223.3	221.8
80°	490.0	248.1	134.9	134.9	139.6	150.4	172.1	186.1	192.3	195.4	190.7
82.5°	381.5	203.1	119.4	114.8	119.4	128.7	145.8	158.2	162.8	162.8	161.3
85°	271.4	162.8	105.5	99.2	100.8	110.1	125.6	133.4	136.5	134.9	131.8
87.5°	198.5	133.4	93.0	83.7	85.3	97.7	108.6	113.2	114.8	116.3	113.2
90°	139.6	107.0	80.6	69.8	69.8	82.2	93.0	94.6	96.1	96.1	94.6
92.5°	99.2	83.7	66.7	57.4	57.4	68.2	76.0	74.4	76.0	74.4	71.3
95°	72.9	65.1	55.8	46.5	45.0	52.7	55.8	54.3	55.8	54.3	54.3
97.5°	57.4	52.7	46.5	38.8	35.7	40.3	41.9	41.9	45.0	41.9	41.9
100°	46.5	43.4	40.3	32.6	29.5	32.6	34.1	35.7	37.2	35.7	35.7
102.5°	38.8	37.2	34.1	29.5	26.4	27.9	29.5	31.0	32.6	32.6	31.0
105°	31.0	31.0	29.5	24.8	23.3	23.3	24.8	26.4	29.5	29.5	29.5
107.5°	24.8	26.4	24.8	21.7	20.2	20.2	21.7	23.3	24.8	26.4	26.4
110°	21.7	21.7	21.7	18.6	18.6	18.6	18.6	20.2	23.3	24.8	24.8

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.6	18.6	18.6	17.1	17.1	17.1	17.1	17.1	20.2	21.7	23.3
115°	17.1	17.1	17.1	15.5	15.5	15.5	15.5	15.5	18.6	20.2	20.2
117.5°	15.5	15.5	15.5	14.0	14.0	14.0	14.0	14.0	15.5	18.6	18.6
120°	14.0	14.0	14.0	12.4	12.4	12.4	12.4	12.4	14.0	17.1	17.1
122.5°	12.4	12.4	12.4	12.4	10.9	10.9	10.9	10.9	12.4	15.5	15.5
125°	10.9	12.4	10.9	10.9	10.9	10.9	9.3	10.9	12.4	14.0	14.0
127.5°	10.9	10.9	10.9	10.9	9.3	9.3	9.3	9.3	10.9	12.4	12.4
130°	10.9	10.9	10.9	9.3	9.3	7.8	7.8	9.3	9.3	10.9	10.9
132.5°	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	9.3	9.3	9.3
135°	9.3	9.3	7.8	7.8	7.8	6.2	6.2	6.2	7.8	9.3	9.3
137.5°	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	7.8	7.8	7.8
140°	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2
145°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	3.1	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

(END OF REPORT)