

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: P695503

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4189 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

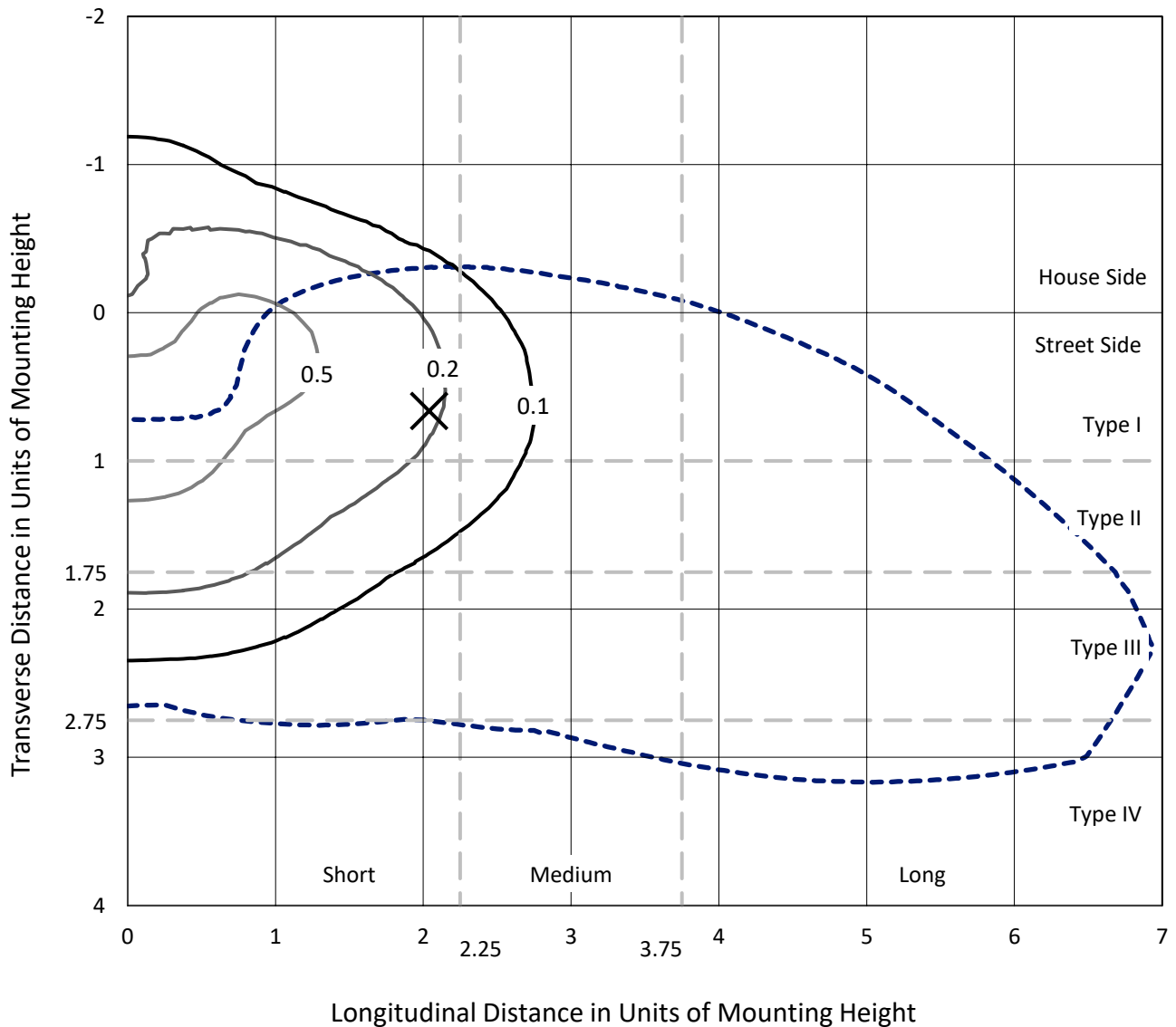
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

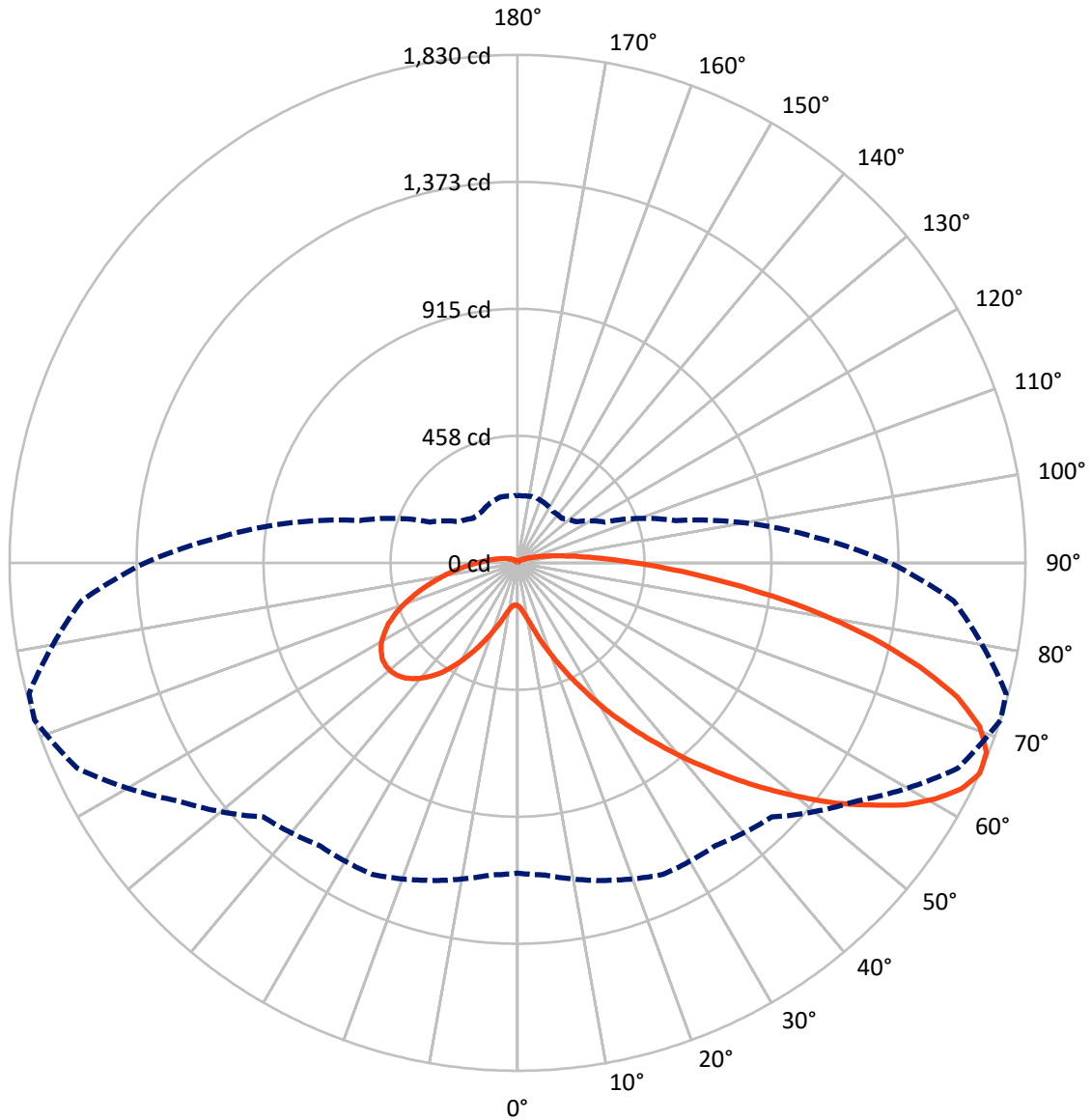
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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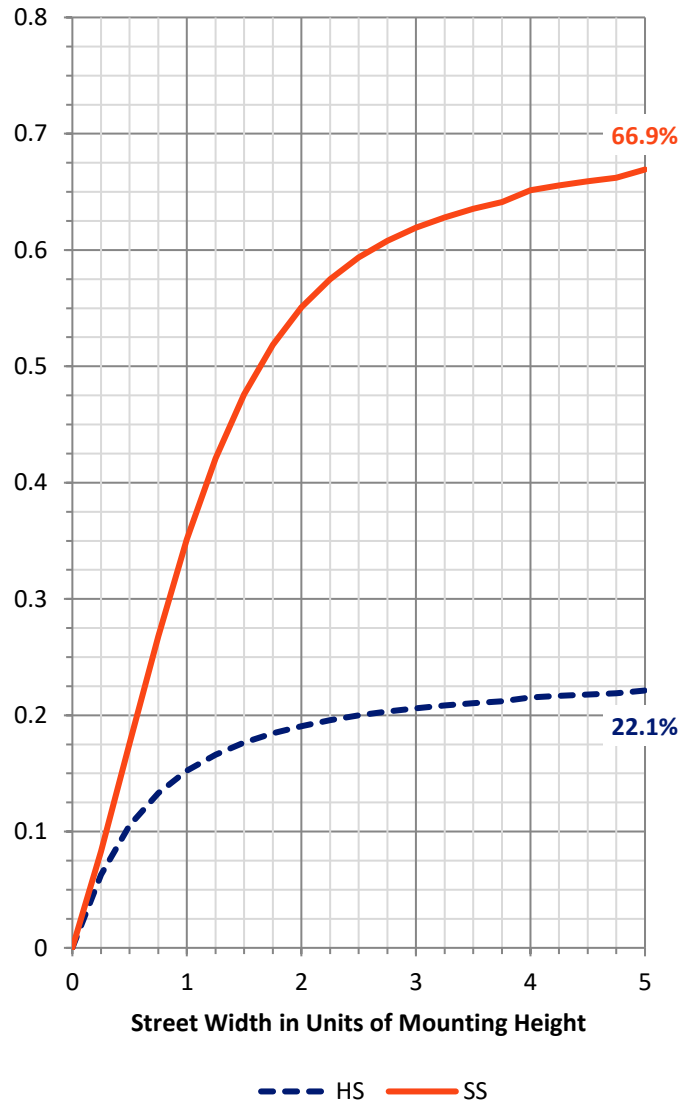
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	978.9	123.8	1102.8
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2911.0	175.2	3086.3
	% Fixture	69.5	4.2	73.7
Total	Lumens	3890.0	299.1	4189.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.4
10°-20°	68.1	1.6
20°-30°	175.5	4.2
30°-40°	349.0	8.3
40°-50°	568.2	13.6
50°-60°	786.6	18.8
60°-70°	878.7	21.0
70°-80°	687.9	16.4
80°-90°	359.8	8.6
90°-100°	156.5	3.7
100°-110°	72.1	1.7
110°-120°	36.8	0.9
120°-130°	19.7	0.5
130°-140°	9.9	0.2
140°-150°	3.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3890.0	92.9
0°-180°	4189.0	100.0

Coefficient of Utilization



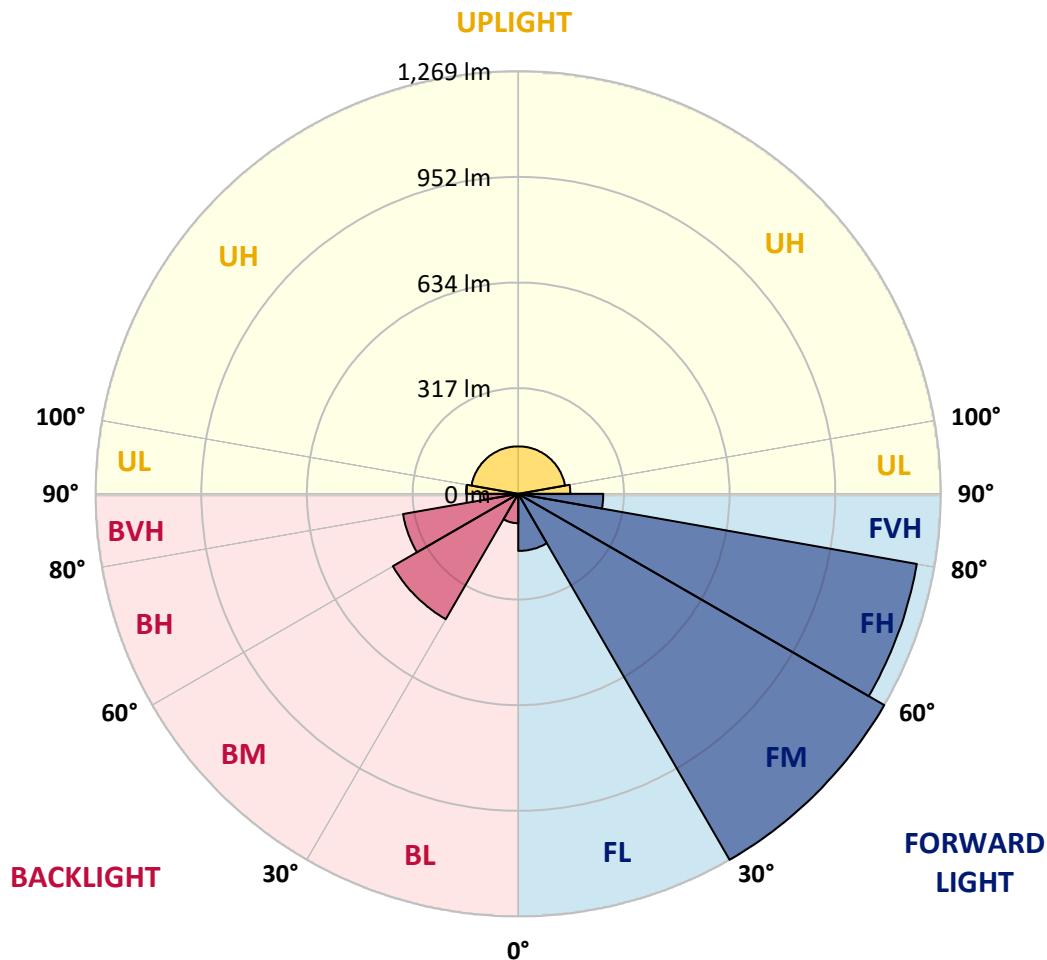
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.5	4.1			
FM (30°-60°)	1268.9	30.3			
FH (60°-80°)	1215.3	29.0			G1/1800
FVH (80°-90°)	255.3	6.1			G3/500
BL (0°-30°)	88.3	2.1	B0/110		
BM (30°-60°)	434.8	10.4	B1/1000		
BH (60°-80°)	351.4	8.4	B1/500		G1/500
BVH (80°-90°)	104.5	2.5			G2/225
UL (90°-100°)	156.5	3.7		U3/500	
UH (100°-180°)	142.5	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1
2.5°	167.5	169.1	169.1	167.5	167.5	166.0	164.4	161.3	159.8	159.8	156.7
5°	189.2	190.8	189.2	187.7	186.1	181.5	179.9	175.3	172.2	170.6	164.4
7.5°	217.2	217.2	215.6	212.5	209.4	206.3	198.5	192.3	187.7	184.6	176.8
10°	246.6	246.6	245.1	243.5	238.9	231.1	223.4	215.6	207.8	206.3	195.4
12.5°	287.0	283.9	280.8	276.1	271.4	263.7	252.8	243.5	235.8	234.2	221.8
15°	327.3	328.8	322.6	314.9	308.7	299.4	290.1	282.3	273.0	269.9	252.8
17.5°	373.8	375.4	370.7	364.5	353.7	344.3	331.9	321.1	314.9	308.7	288.5
20°	431.2	431.2	426.6	414.1	403.3	392.4	381.6	369.2	358.3	353.7	331.9
22.5°	491.7	490.2	483.9	468.4	454.5	440.5	431.2	418.8	411.0	404.8	380.0
25°	564.6	560.0	550.6	532.0	513.4	496.4	482.4	477.7	466.9	460.7	437.4
27.5°	636.0	639.1	623.5	598.7	572.4	555.3	542.9	536.7	528.9	525.8	496.4
30°	724.4	718.2	701.1	670.1	632.9	609.6	603.4	601.8	601.8	595.6	564.6
32.5°	806.6	800.4	781.8	744.5	699.6	670.1	665.4	670.1	673.2	671.6	632.9
35°	890.3	884.1	862.4	822.1	761.6	727.5	727.5	746.1	750.7	747.6	708.9
37.5°	969.4	966.3	944.6	890.3	832.9	791.1	797.3	826.7	834.5	832.9	783.3
40°	1045.5	1045.5	1023.7	964.8	895.0	853.1	864.0	909.0	924.5	922.9	868.6
42.5°	1123.0	1119.9	1099.7	1042.3	961.7	915.2	935.3	991.2	1016.0	1019.1	953.9
45°	1189.7	1186.6	1171.1	1107.5	1026.8	978.8	1008.2	1084.2	1116.8	1115.3	1037.7
47.5°	1247.1	1245.5	1234.7	1175.7	1090.4	1045.5	1087.3	1180.4	1220.7	1220.7	1132.3
50°	1293.6	1295.2	1287.4	1239.3	1149.4	1109.0	1166.4	1278.1	1327.8	1327.8	1222.3
52.5°	1323.1	1326.2	1329.3	1284.3	1205.2	1168.0	1242.4	1380.5	1439.4	1437.9	1313.8
55°	1332.4	1335.5	1351.0	1323.1	1250.2	1222.3	1318.4	1479.8	1540.3	1535.6	1397.6
57.5°	1316.9	1323.1	1349.5	1340.2	1281.2	1265.7	1382.0	1565.1	1645.7	1641.1	1475.1
60°	1278.1	1285.9	1323.1	1334.0	1293.6	1295.2	1441.0	1650.4	1727.9	1724.8	1535.6
62.5°	1209.9	1222.3	1270.4	1299.8	1282.8	1307.6	1479.8	1715.5	1794.6	1790.0	1571.3
65°	1118.4	1129.2	1185.1	1239.3	1244.0	1295.2	1495.3	1751.2	1830.3	1822.6	1577.5
67.5°	1009.8	1005.1	1076.5	1146.3	1174.2	1250.2	1475.1	1746.6	1822.6	1808.6	1538.7
70°	876.4	876.4	949.3	1019.1	1078.0	1180.4	1419.3	1696.9	1766.7	1746.6	1464.3
72.5°	719.7	736.8	800.4	882.6	955.5	1079.6	1332.4	1599.2	1658.1	1634.9	1338.6
75°	589.4	603.4	659.2	741.4	825.2	963.2	1203.7	1458.0	1496.8	1473.6	1185.1
77.5°	473.1	479.3	539.8	609.6	696.5	822.1	1050.1	1281.2	1309.1	1284.3	1011.3
80°	364.5	380.0	421.9	488.6	572.4	694.9	890.3	1074.9	1101.3	1073.4	826.7
82.5°	287.0	291.6	330.4	394.0	465.3	569.3	732.1	873.3	885.7	853.1	667.0
85°	221.8	224.9	257.5	311.8	373.8	457.6	584.8	687.1	690.2	671.6	521.2
87.5°	169.1	175.3	204.7	248.2	300.9	373.8	460.7	532.0	527.4	513.4	406.4
90°	133.4	136.5	158.2	197.0	240.4	294.7	359.9	406.4	397.1	390.9	307.1
92.5°	105.5	107.0	130.3	159.8	195.4	238.9	282.3	313.3	300.9	296.3	234.2
95°	83.8	86.9	103.9	130.3	159.8	192.3	221.8	237.3	229.6	221.8	181.5
97.5°	68.2	69.8	85.3	107.0	131.8	156.7	176.8	183.0	175.3	172.2	141.2
100°	57.4	57.4	71.4	90.0	108.6	128.7	141.2	144.3	138.0	130.3	108.6
102.5°	48.1	48.1	58.9	76.0	93.1	107.0	114.8	114.8	107.0	102.4	86.9
105°	40.3	41.9	49.6	65.1	79.1	90.0	96.2	91.5	85.3	82.2	69.8
107.5°	35.7	35.7	43.4	55.8	68.2	76.0	79.1	74.5	68.2	63.6	55.8
110°	32.6	32.6	37.2	48.1	58.9	66.7	66.7	62.0	54.3	51.2	46.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	27.9	29.5	32.6	41.9	51.2	57.4	57.4	51.2	45.0	41.9	38.8
115°	26.4	26.4	29.5	37.2	45.0	49.6	49.6	43.4	37.2	35.7	32.6
117.5°	23.3	23.3	26.4	32.6	38.8	43.4	41.9	37.2	31.0	29.5	27.9
120°	21.7	21.7	23.3	27.9	34.1	37.2	35.7	31.0	26.4	24.8	24.8
122.5°	20.2	20.2	21.7	24.8	31.0	32.6	31.0	26.4	23.3	21.7	23.3
125°	18.6	18.6	20.2	23.3	26.4	27.9	26.4	21.7	20.2	20.2	20.2
127.5°	18.6	18.6	18.6	20.2	23.3	24.8	23.3	18.6	17.1	17.1	18.6
130°	17.1	17.1	17.1	18.6	20.2	21.7	18.6	15.5	15.5	15.5	15.5
132.5°	15.5	15.5	15.5	15.5	17.1	17.1	15.5	14.0	14.0	14.0	14.0
135°	14.0	14.0	14.0	14.0	14.0	14.0	12.4	10.9	12.4	12.4	12.4
137.5°	12.4	12.4	12.4	12.4	12.4	10.9	10.9	9.3	10.9	10.9	10.9
140°	10.9	10.9	10.9	10.9	9.3	9.3	7.8	7.8	7.8	9.3	9.3
142.5°	9.3	9.3	9.3	9.3	7.8	6.2	6.2	6.2	7.8	7.8	7.8
145°	7.8	7.8	7.8	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7
150°	4.7	4.7	4.7	3.1	3.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1
2.5°	155.1	155.1	152.0	150.5	148.9	147.4	145.8	144.3	144.3	144.3	144.3
5°	162.9	158.2	153.6	148.9	144.3	141.2	136.5	134.9	133.4	131.8	131.8
7.5°	172.2	169.1	159.8	152.0	144.3	138.0	133.4	128.7	125.6	124.1	124.1
10°	189.2	183.0	172.2	159.8	148.9	139.6	131.8	125.6	122.5	121.0	121.0
12.5°	214.1	204.7	189.2	172.2	156.7	144.3	134.9	127.2	122.5	122.5	121.0
15°	243.5	232.7	212.5	190.8	169.1	152.0	141.2	134.9	130.3	128.7	128.7
17.5°	277.6	266.8	240.4	211.0	187.7	166.0	152.0	144.3	139.6	136.5	136.5
20°	319.5	304.0	269.9	235.8	204.7	184.6	164.4	155.1	148.9	145.8	144.3
22.5°	364.5	347.4	305.6	262.1	226.5	200.1	178.4	164.4	156.7	155.1	153.6
25°	418.8	394.0	342.8	290.1	248.2	215.6	190.8	173.7	167.5	164.4	164.4
27.5°	476.2	446.7	383.1	319.5	268.3	228.0	200.1	183.0	176.8	175.3	173.7
30°	536.7	502.6	425.0	352.1	287.0	240.4	211.0	193.9	186.1	184.6	184.6
32.5°	603.4	563.1	466.9	376.9	300.9	248.2	217.2	201.6	193.9	193.9	193.9
35°	668.5	622.0	510.3	403.3	313.3	254.4	223.4	209.4	201.6	203.2	203.2
37.5°	738.3	687.1	547.5	421.9	322.6	259.0	226.5	215.6	211.0	211.0	211.0
40°	814.3	741.4	581.7	435.9	325.7	260.6	229.6	220.3	217.2	217.2	218.7
42.5°	887.2	805.0	611.1	446.7	327.3	260.6	231.1	224.9	223.4	223.4	223.4
45°	960.1	860.9	637.5	449.8	325.7	259.0	232.7	228.0	228.0	228.0	228.0
47.5°	1039.2	916.7	656.1	448.3	321.1	255.9	232.7	229.6	232.7	231.1	231.1
50°	1109.0	969.4	668.5	443.6	314.9	252.8	231.1	232.7	235.8	234.2	234.2
52.5°	1181.9	1016.0	674.7	432.8	305.6	248.2	231.1	234.2	237.3	235.8	235.8
55°	1247.1	1056.3	674.7	420.4	297.8	245.1	231.1	235.8	240.4	238.9	238.9
57.5°	1299.8	1084.2	663.9	403.3	287.0	240.4	229.6	235.8	242.0	240.4	240.4
60°	1340.2	1099.7	648.4	386.2	277.6	235.8	228.0	235.8	243.5	240.4	242.0
62.5°	1357.2	1098.2	620.4	366.1	268.3	231.1	226.5	235.8	243.5	242.0	242.0
65°	1341.7	1071.8	589.4	347.4	257.5	226.5	224.9	235.8	245.1	242.0	242.0
67.5°	1296.7	1020.6	549.1	324.2	246.6	221.8	221.8	234.2	243.5	240.4	240.4
70°	1214.5	946.2	502.6	304.0	235.8	215.6	217.2	229.6	238.9	238.9	237.3
72.5°	1104.4	850.0	451.4	280.8	224.9	207.8	211.0	224.9	232.7	232.7	231.1
75°	975.7	738.3	400.2	259.0	212.5	200.1	203.2	215.6	224.9	223.4	221.8
77.5°	822.1	625.1	350.6	235.8	198.5	189.2	193.9	206.3	214.1	211.0	209.4
80°	680.9	525.8	305.6	212.5	184.6	178.4	183.0	192.3	198.5	197.0	195.4
82.5°	544.4	425.0	259.0	190.8	170.6	166.0	170.6	178.4	183.0	181.5	178.4
85°	423.5	344.3	221.8	169.1	155.1	152.0	156.7	162.9	166.0	162.9	161.3
87.5°	333.5	269.9	184.6	148.9	139.6	138.0	141.2	147.4	150.5	147.4	142.7
90°	260.6	217.2	156.7	131.8	125.6	125.6	127.2	131.8	131.8	128.7	127.2
92.5°	203.2	173.7	131.8	114.8	111.7	111.7	114.8	116.3	116.3	111.7	110.1
95°	159.8	139.6	111.7	100.8	99.3	99.3	102.4	102.4	100.8	96.2	94.6
97.5°	125.6	113.2	96.2	88.4	86.9	88.4	90.0	90.0	86.9	82.2	80.7
100°	100.8	93.1	80.7	77.6	77.6	79.1	79.1	77.6	74.5	69.8	69.8
102.5°	82.2	76.0	69.8	68.2	68.2	69.8	69.8	68.2	65.1	58.9	58.9
105°	66.7	62.0	58.9	58.9	60.5	60.5	60.5	58.9	54.3	49.6	49.6
107.5°	54.3	52.7	51.2	51.2	52.7	54.3	54.3	51.2	46.5	43.4	43.4
110°	45.0	45.0	45.0	45.0	46.5	48.1	48.1	45.0	40.3	37.2	37.2

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.8	37.2	38.8	40.3	41.9	43.4	41.9	38.8	34.1	32.6	32.6
115°	32.6	32.6	34.1	35.7	37.2	37.2	37.2	34.1	29.5	27.9	27.9
117.5°	29.5	29.5	29.5	31.0	32.6	34.1	32.6	29.5	24.8	24.8	24.8
120°	24.8	24.8	26.4	27.9	29.5	29.5	27.9	24.8	21.7	21.7	21.7
122.5°	23.3	23.3	23.3	24.8	26.4	26.4	24.8	21.7	18.6	20.2	20.2
125°	20.2	20.2	20.2	21.7	23.3	23.3	21.7	18.6	17.1	17.1	17.1
127.5°	18.6	18.6	18.6	18.6	20.2	20.2	18.6	17.1	15.5	15.5	15.5
130°	17.1	17.1	17.1	17.1	17.1	17.1	15.5	14.0	14.0	14.0	14.0
132.5°	14.0	14.0	14.0	14.0	15.5	15.5	14.0	12.4	12.4	12.4	12.4
135°	12.4	12.4	12.4	12.4	12.4	12.4	10.9	10.9	10.9	10.9	10.9
137.5°	10.9	10.9	10.9	10.9	10.9	10.9	9.3	9.3	9.3	9.3	9.3
140°	9.3	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	9.3	9.3
142.5°	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	7.8	7.8	7.8
145°	6.2	6.2	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2	6.2
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	6.2	6.2
150°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	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)