

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: P695494

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4183.1 lumens
Efficiency: N/A
Efficacy: 78.8 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

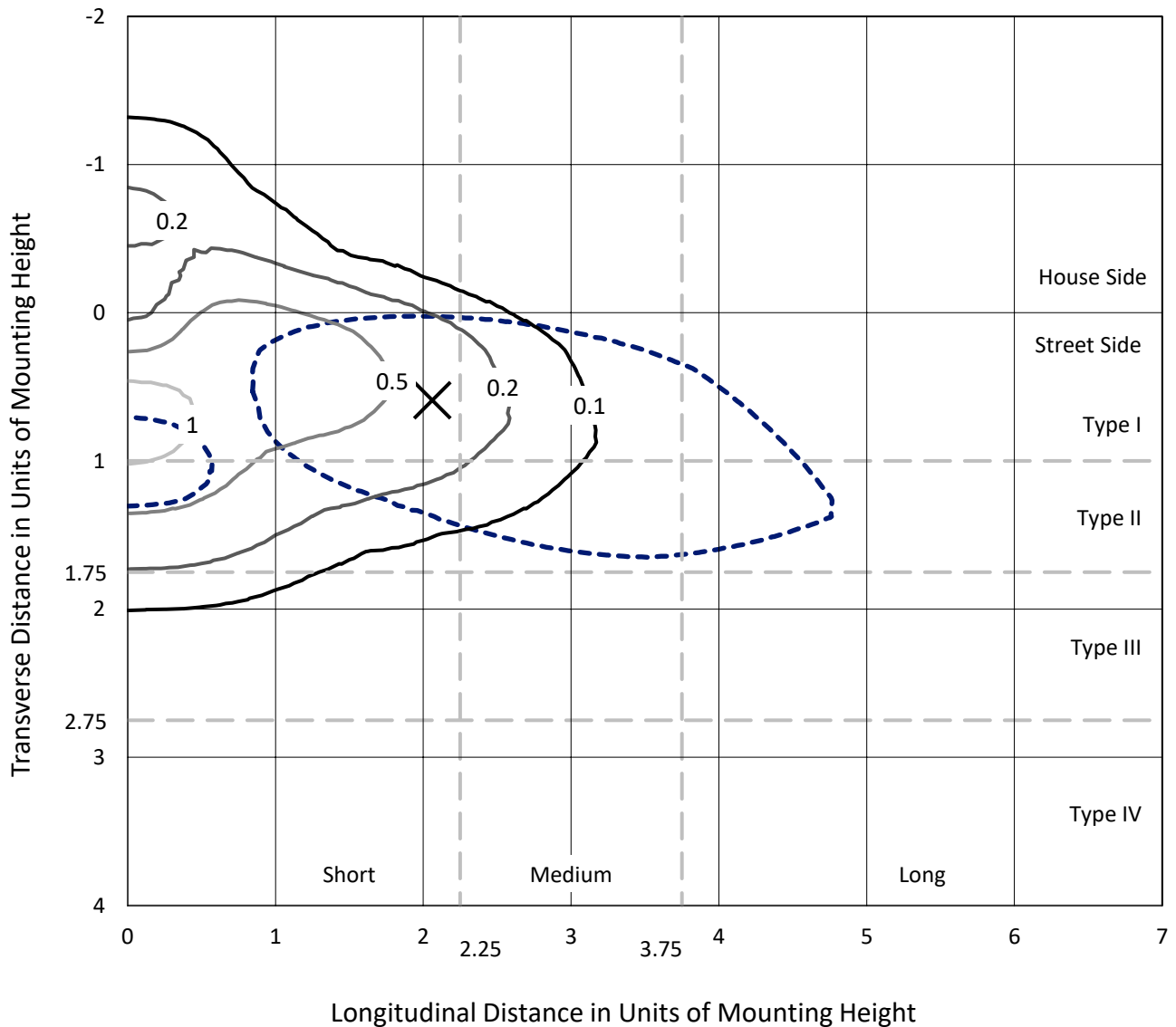
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

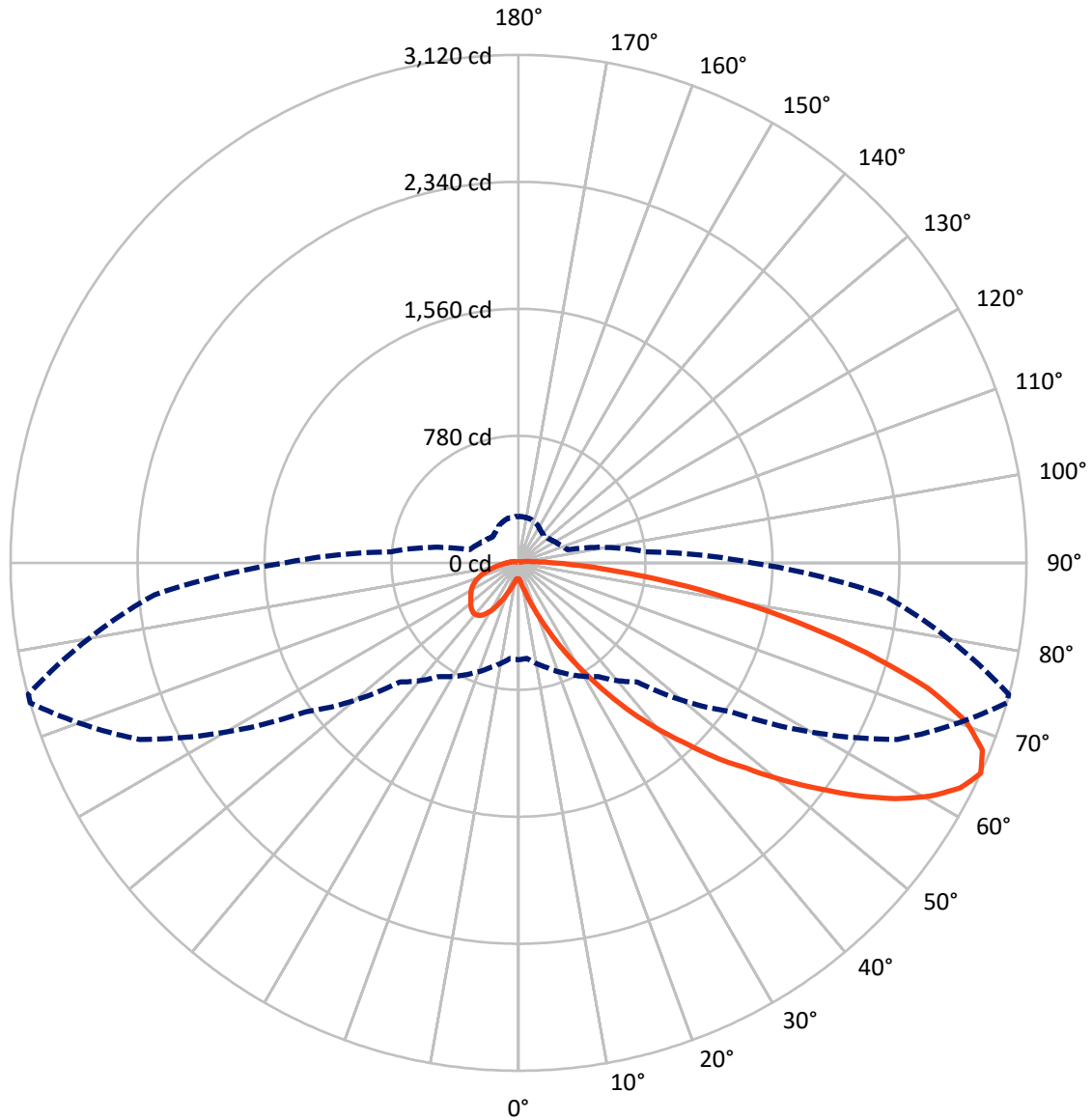
✕ Max cd
 - - - 1/2 Max cd



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 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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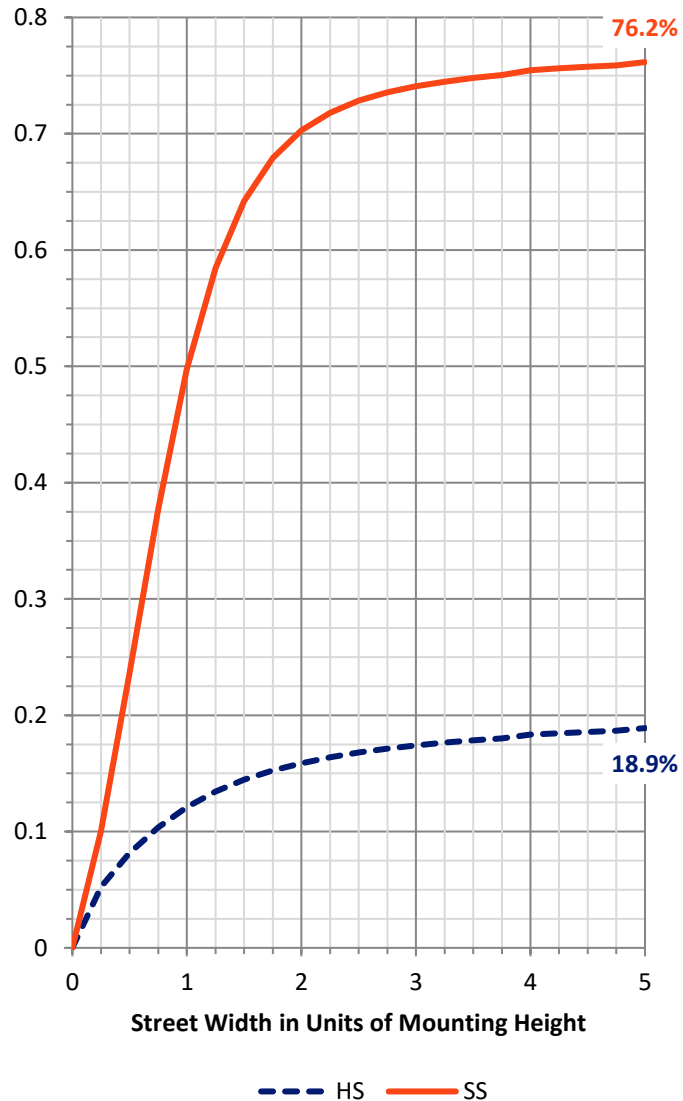
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.0	67.7	897.7
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	3224.7	60.6	3285.4
	% Fixture	77.1	1.4	78.5
Total	Lumens	4054.7	128.4	4183.1
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.3
10°-20°	60.3	1.4
20°-30°	200.5	4.8
30°-40°	459.5	11.0
40°-50°	735.4	17.6
50°-60°	912.8	21.8
60°-70°	885.9	21.2
70°-80°	577.8	13.8
80°-90°	211.3	5.1
90°-100°	63.0	1.5
100°-110°	29.2	0.7
110°-120°	16.2	0.4
120°-130°	10.1	0.2
130°-140°	6.4	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4054.7	96.9
0°-180°	4183.1	100.0

Coefficient of Utilization



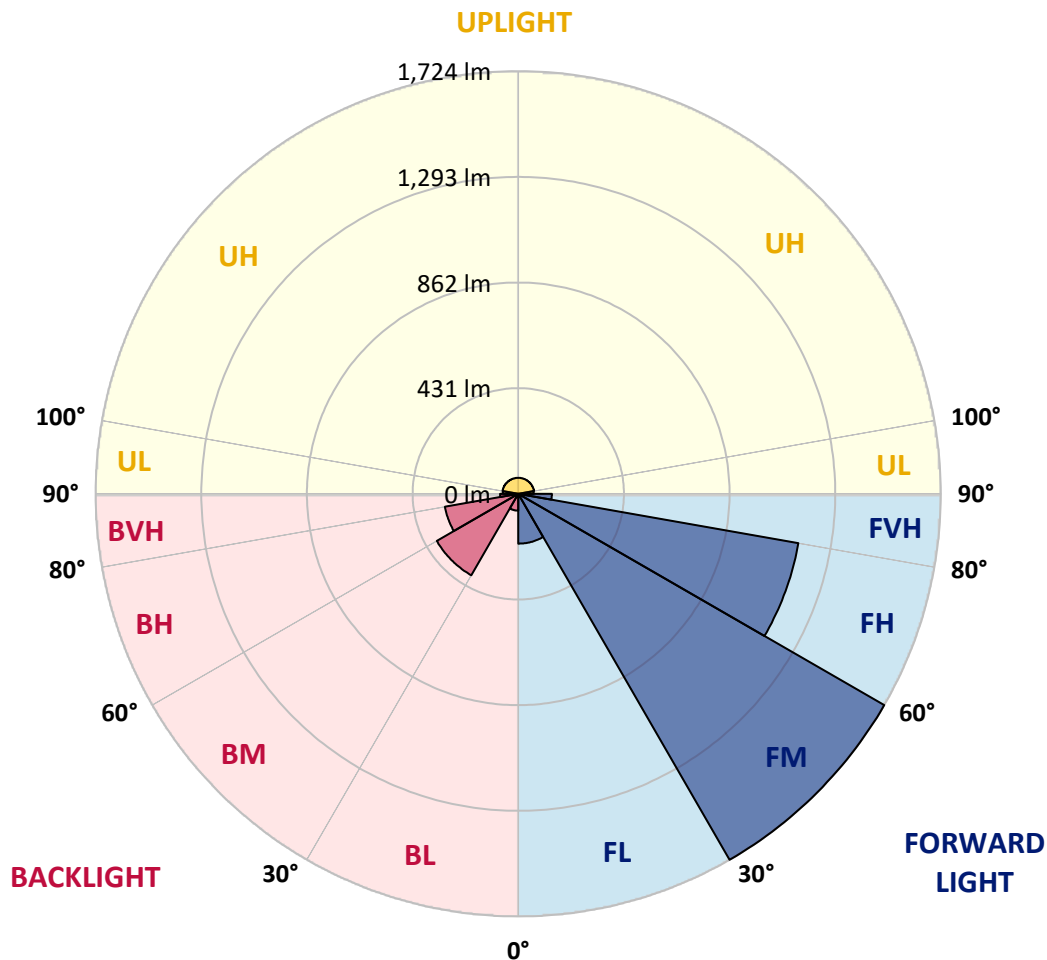
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	4.9			
FM (30°-60°)	1724.0	41.2			
FH (60°-80°)	1160.2	27.7			G1/1800
FVH (80°-90°)	137.2	3.3			G2/225
BL (0°-30°)	68.8	1.6	B0/110		
BM (30°-60°)	383.7	9.2	B1/1000		
BH (60°-80°)	303.5	7.3	B1/500		G1/500
BVH (80°-90°)	74.1	1.8			G1/100
UL (90°-100°)	63.0	1.5		U3/500	
UH (100°-180°)	65.3	1.6		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°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2.5°	113.2	114.8	114.8	113.2	111.7	111.7	108.6	105.4	103.9	103.9	102.3
5°	138.0	139.6	139.6	136.5	131.8	130.3	124.1	119.4	114.8	114.8	108.6
7.5°	173.7	175.2	172.1	169.0	162.8	156.6	148.9	139.6	130.3	128.7	121.0
10°	215.6	220.2	217.1	209.3	200.0	192.3	179.9	164.4	155.1	152.0	138.0
12.5°	280.7	277.6	269.8	262.1	251.2	235.7	218.7	200.0	181.4	183.0	164.4
15°	347.4	353.6	342.7	328.8	307.0	290.0	266.7	246.6	226.4	223.3	198.5
17.5°	445.1	443.5	431.1	403.2	370.6	353.6	328.8	303.9	280.7	272.9	240.4
20°	559.8	558.3	533.5	497.8	466.8	432.7	398.5	372.2	344.3	338.1	296.2
22.5°	696.3	690.1	663.7	612.5	559.8	517.9	482.3	462.1	424.9	418.7	361.3
25°	854.5	840.5	811.0	742.8	662.2	614.1	581.5	558.3	522.6	514.8	440.4
27.5°	1029.7	1020.4	966.1	876.2	780.0	705.6	682.3	666.8	637.3	628.0	528.8
30°	1194.1	1197.2	1138.2	1025.0	902.5	812.6	795.5	797.1	758.3	750.6	632.7
32.5°	1389.5	1377.0	1301.1	1170.8	1017.3	924.2	908.7	930.4	897.9	891.7	745.9
35°	1544.5	1553.8	1473.2	1311.9	1133.6	1026.6	1032.8	1068.5	1049.8	1040.5	846.7
37.5°	1693.4	1685.6	1591.0	1431.3	1234.4	1122.7	1146.0	1225.1	1206.5	1195.6	966.1
40°	1792.6	1783.3	1701.1	1529.0	1325.9	1211.1	1256.1	1373.9	1366.2	1361.5	1068.5
42.5°	1839.2	1826.8	1760.1	1597.2	1392.6	1280.9	1369.3	1525.9	1524.4	1519.7	1186.3
45°	1828.3	1820.6	1769.4	1637.6	1436.0	1346.0	1470.1	1684.1	1712.0	1690.3	1294.9
47.5°	1780.2	1772.5	1736.8	1637.6	1459.2	1386.3	1560.0	1850.0	1885.7	1865.5	1415.8
50°	1684.1	1681.0	1671.7	1598.8	1456.1	1418.9	1646.9	2000.4	2096.6	2076.4	1553.8
52.5°	1549.2	1547.6	1563.1	1529.0	1426.7	1423.6	1715.1	2174.1	2302.8	2281.1	1688.7
55°	1391.0	1391.0	1417.4	1420.5	1369.3	1406.5	1767.8	2313.7	2524.6	2493.6	1836.1
57.5°	1189.4	1195.6	1254.5	1293.3	1274.7	1356.9	1786.4	2447.0	2733.9	2713.8	1988.0
60°	989.4	992.5	1060.7	1125.8	1158.4	1287.1	1769.4	2538.5	2909.2	2901.4	2110.5
62.5°	780.0	783.1	854.5	949.0	1012.6	1172.3	1705.8	2580.4	3045.6	3041.0	2200.5
65°	595.5	589.3	665.3	758.3	852.9	1035.9	1595.7	2568.0	3120.1	3117.0	2243.9
67.5°	428.0	440.4	497.8	587.7	683.9	890.1	1443.7	2447.0	3073.5	3076.6	2197.4
70°	310.1	330.3	370.6	438.9	538.1	731.9	1260.7	2245.5	2915.4	2934.0	2065.6
72.5°	238.8	240.4	272.9	327.2	406.3	580.0	1043.6	1971.0	2628.5	2634.7	1837.6
75°	186.1	190.7	212.4	251.2	311.7	449.7	846.7	1631.4	2203.6	2239.2	1558.5
77.5°	152.0	153.5	170.6	193.8	238.8	339.6	632.7	1287.1	1752.3	1755.4	1215.8
80°	119.4	125.6	139.6	155.1	186.1	254.3	465.2	942.8	1288.7	1268.5	860.7
82.5°	91.5	96.1	107.0	124.1	141.1	190.7	333.4	665.3	885.5	870.0	589.3
85°	68.2	71.3	82.2	96.1	111.7	145.8	232.6	429.6	549.0	531.9	358.2
87.5°	48.1	49.6	58.9	71.3	85.3	110.1	161.3	263.6	330.3	324.1	221.8
90°	32.6	34.1	41.9	52.7	66.7	85.3	116.3	164.4	192.3	192.3	141.1
92.5°	23.3	24.8	31.0	40.3	52.7	68.2	85.3	107.0	117.9	116.3	96.1
95°	18.6	18.6	24.8	32.6	43.4	55.8	65.1	72.9	79.1	79.1	72.9
97.5°	15.5	15.5	21.7	27.9	37.2	46.5	52.7	54.3	57.4	57.4	54.3
100°	14.0	14.0	18.6	24.8	31.0	38.8	43.4	41.9	43.4	45.0	41.9
102.5°	12.4	12.4	17.1	21.7	27.9	34.1	35.7	34.1	34.1	34.1	32.6
105°	10.9	10.9	15.5	20.2	24.8	29.5	31.0	27.9	26.4	26.4	26.4
107.5°	9.3	9.3	14.0	17.1	21.7	26.4	26.4	24.8	21.7	21.7	20.2
110°	9.3	9.3	12.4	15.5	20.2	23.3	23.3	20.2	17.1	17.1	17.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.8	7.8	10.9	15.5	18.6	20.2	20.2	17.1	15.5	14.0	14.0
115°	7.8	7.8	10.9	14.0	17.1	18.6	18.6	15.5	12.4	12.4	12.4
117.5°	7.8	7.8	9.3	12.4	15.5	17.1	15.5	14.0	10.9	10.9	10.9
120°	7.8	7.8	9.3	10.9	14.0	15.5	15.5	12.4	9.3	9.3	10.9
122.5°	7.8	7.8	9.3	10.9	12.4	14.0	14.0	10.9	9.3	9.3	9.3
125°	7.8	7.8	9.3	10.9	12.4	14.0	12.4	10.9	7.8	7.8	9.3
127.5°	7.8	7.8	9.3	9.3	10.9	12.4	10.9	9.3	7.8	7.8	9.3
130°	7.8	7.8	9.3	9.3	10.9	10.9	10.9	7.8	7.8	7.8	7.8
132.5°	9.3	9.3	9.3	9.3	9.3	10.9	9.3	7.8	6.2	6.2	7.8
135°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.8	6.2	6.2	7.8
137.5°	7.8	9.3	7.8	7.8	7.8	9.3	7.8	6.2	6.2	6.2	6.2
140°	7.8	7.8	7.8	7.8	7.8	7.8	6.2	4.7	6.2	6.2	6.2
142.5°	7.8	7.8	7.8	6.2	6.2	6.2	6.2	4.7	4.7	4.7	6.2
145°	6.2	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7
147.5°	6.2	6.2	6.2	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7
150°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	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°	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2.5°	100.8	99.2	97.7	96.1	93.0	91.5	91.5	89.9	89.9	89.9	89.9
5°	105.4	103.9	99.2	94.6	89.9	86.8	83.7	83.7	82.2	80.6	80.6
7.5°	116.3	111.7	103.9	96.1	91.5	85.3	82.2	79.1	77.5	77.5	77.5
10°	131.8	125.6	113.2	102.3	94.6	86.8	82.2	79.1	77.5	76.0	76.0
12.5°	153.5	145.8	127.2	113.2	99.2	91.5	85.3	82.2	80.6	80.6	80.6
15°	184.5	172.1	148.9	125.6	110.1	96.1	93.0	93.0	94.6	94.6	94.6
17.5°	224.9	206.2	170.6	141.1	121.0	108.6	103.9	105.4	108.6	108.6	108.6
20°	268.3	246.6	198.5	161.3	134.9	124.1	117.9	121.0	125.6	128.7	128.7
22.5°	328.8	297.7	232.6	183.0	152.0	138.0	134.9	138.0	145.8	148.9	148.9
25°	398.5	352.0	268.3	206.2	170.6	155.1	152.0	156.6	165.9	173.7	173.7
27.5°	471.4	412.5	307.0	229.5	187.6	169.0	167.5	175.2	187.6	195.4	196.9
30°	555.2	474.5	342.7	252.8	204.7	183.0	183.0	195.4	209.3	220.2	221.8
32.5°	637.3	539.7	373.7	272.9	220.2	195.4	196.9	212.4	231.1	240.4	243.5
35°	721.1	595.5	401.6	290.0	231.1	206.2	209.3	229.5	248.1	259.0	259.0
37.5°	801.7	646.7	415.6	299.3	240.4	214.0	220.2	243.5	262.1	271.4	272.9
40°	879.3	685.4	424.9	305.5	246.6	221.8	228.0	252.8	272.9	282.2	282.2
42.5°	947.5	718.0	426.4	307.0	251.2	226.4	235.7	260.5	279.1	285.3	286.9
45°	1017.3	745.9	418.7	303.9	254.3	231.1	238.8	265.2	282.2	286.9	288.4
47.5°	1080.9	769.2	409.4	300.8	255.9	232.6	241.9	268.3	283.8	285.3	286.9
50°	1155.3	787.8	395.4	296.2	257.4	234.2	243.5	268.3	283.8	283.8	283.8
52.5°	1226.6	803.3	381.5	291.5	257.4	234.2	243.5	269.8	283.8	282.2	282.2
55°	1304.2	817.2	367.5	288.4	255.9	234.2	243.5	269.8	282.2	280.7	282.2
57.5°	1364.6	823.4	356.7	285.3	255.9	232.6	241.9	268.3	280.7	280.7	280.7
60°	1417.4	821.9	342.7	282.2	254.3	231.1	241.9	266.7	280.7	280.7	280.7
62.5°	1448.4	807.9	328.8	279.1	251.2	228.0	240.4	266.7	280.7	282.2	282.2
65°	1436.0	783.1	310.1	271.4	245.0	224.9	238.8	263.6	279.1	283.8	285.3
67.5°	1383.2	727.3	290.0	260.5	238.8	221.8	237.3	260.5	276.0	283.8	283.8
70°	1273.1	657.5	263.6	245.0	228.0	217.1	232.6	255.9	269.8	279.1	279.1
72.5°	1119.6	567.6	238.8	224.9	215.6	209.3	228.0	248.1	260.5	268.3	268.3
75°	930.4	471.4	209.3	201.6	200.0	198.5	218.7	237.3	245.0	251.2	251.2
77.5°	727.3	379.9	178.3	178.3	178.3	184.5	206.2	218.7	224.9	231.1	231.1
80°	531.9	290.0	150.4	152.0	156.6	169.0	187.6	196.9	200.0	206.2	203.1
82.5°	362.9	210.9	125.6	125.6	134.9	148.9	167.5	172.1	173.7	178.3	173.7
85°	238.8	152.0	103.9	103.9	113.2	127.2	141.1	144.2	144.2	147.3	142.7
87.5°	155.1	111.7	85.3	85.3	91.5	105.4	116.3	116.3	116.3	119.4	114.8
90°	110.1	85.3	71.3	69.8	74.4	85.3	93.0	91.5	91.5	93.0	89.9
92.5°	80.6	69.8	60.5	58.9	62.0	69.8	74.4	72.9	74.4	72.9	71.3
95°	63.6	57.4	52.7	51.2	52.7	57.4	60.5	58.9	58.9	57.4	55.8
97.5°	51.2	48.1	46.5	45.0	45.0	46.5	49.6	48.1	49.6	46.5	45.0
100°	41.9	40.3	40.3	40.3	38.8	40.3	41.9	41.9	41.9	38.8	38.8
102.5°	32.6	34.1	35.7	35.7	34.1	35.7	35.7	35.7	35.7	32.6	32.6
105°	26.4	27.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	27.9	27.9
107.5°	21.7	23.3	26.4	27.9	26.4	26.4	27.9	27.9	26.4	24.8	24.8
110°	18.6	20.2	21.7	23.3	23.3	23.3	24.8	24.8	23.3	21.7	20.2

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

CANDELA DISTRIBUTION (continued):

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