

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: P695501

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4281 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

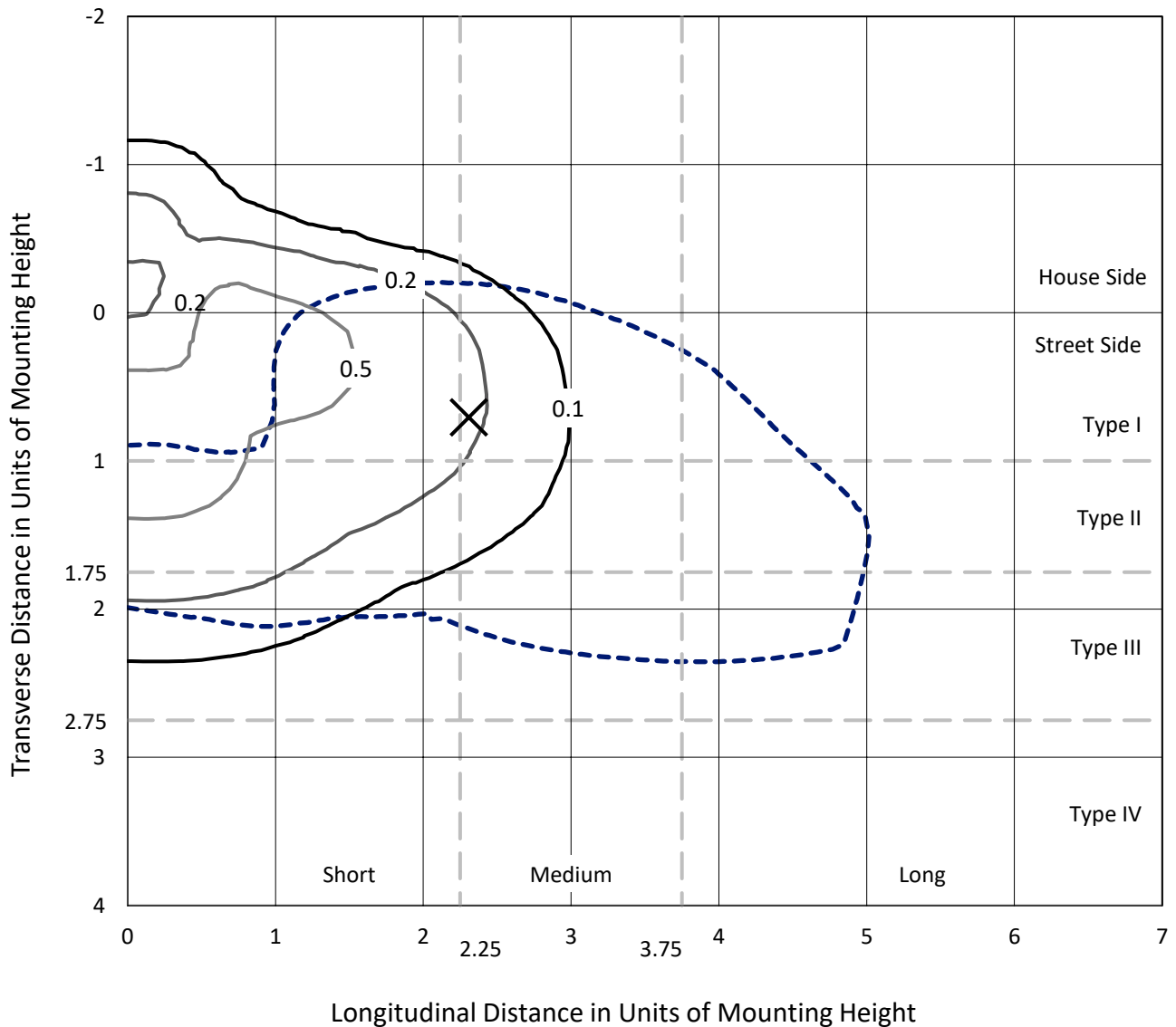
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

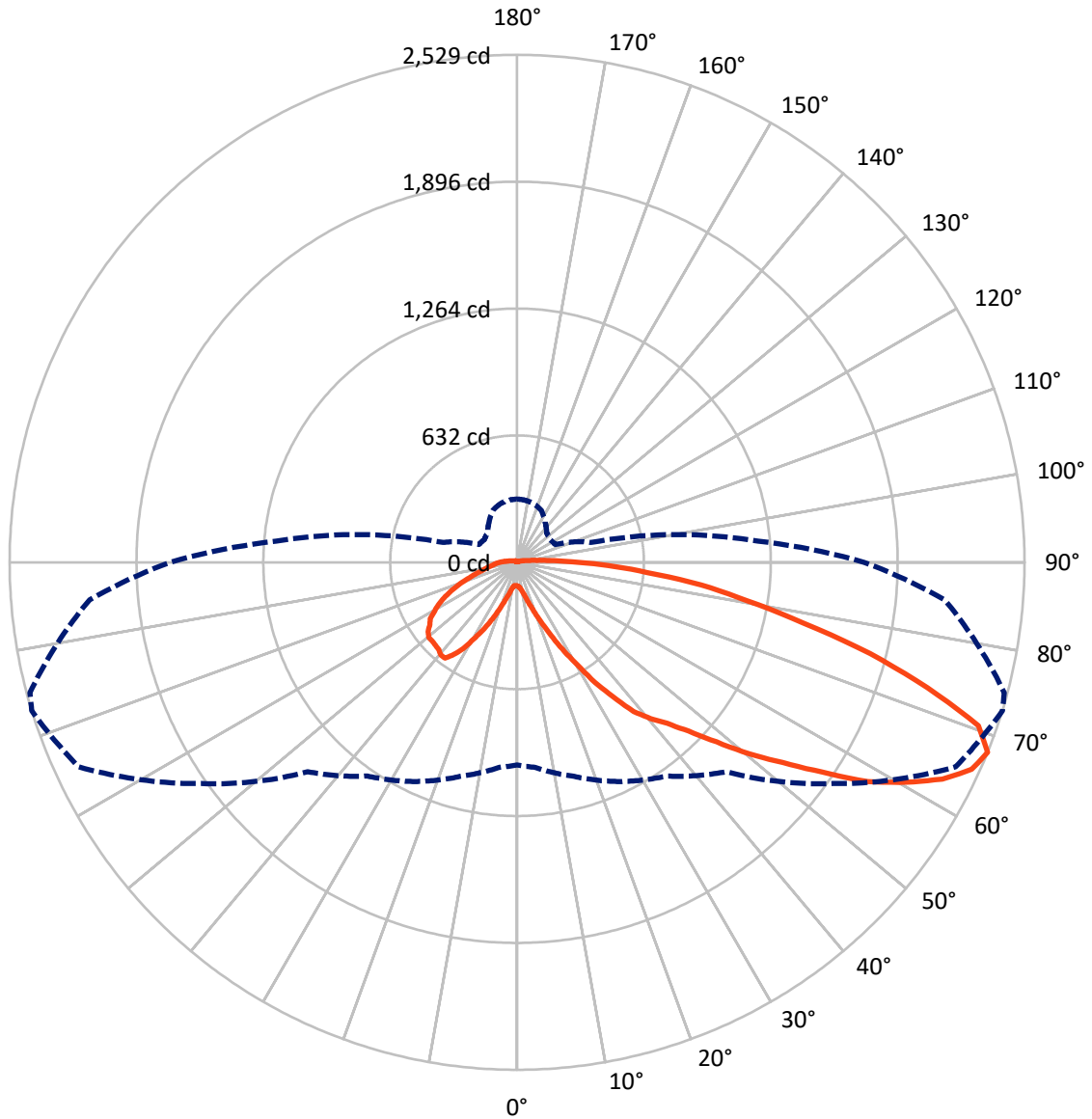
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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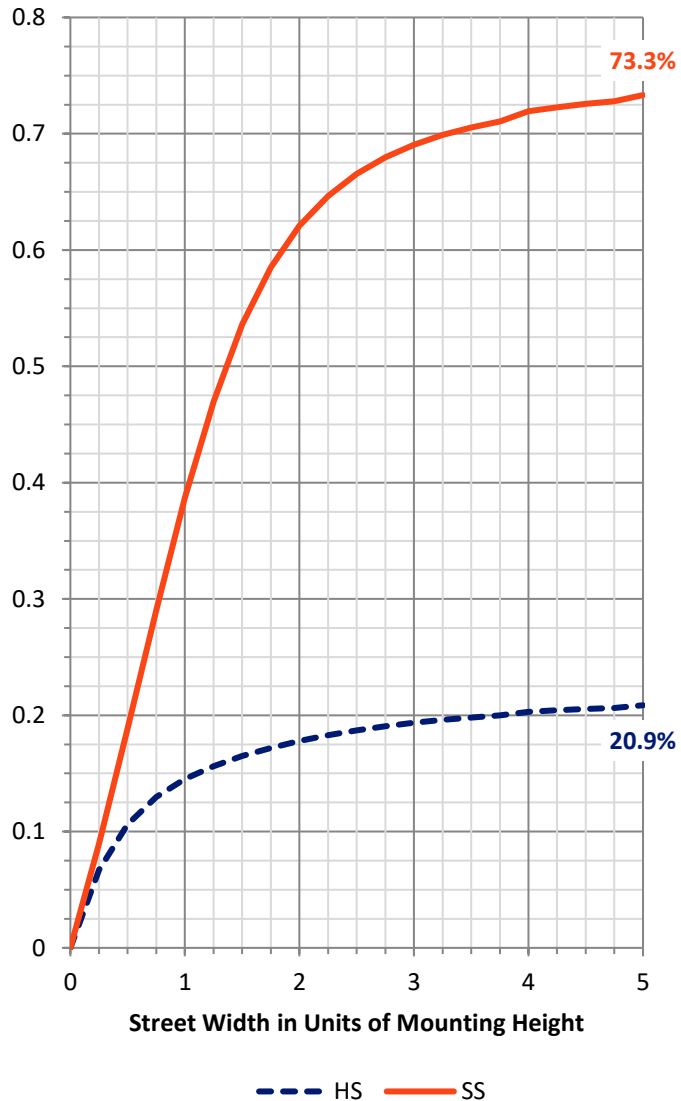
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	936.8	70.0	1006.9
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	3202.5	71.7	3274.2
	% Fixture	74.8	1.7	76.5
Total	Lumens	4139.3	141.7	4281.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.3
10°-20°	52.6	1.2
20°-30°	161.9	3.8
30°-40°	372.9	8.7
40°-50°	604.1	14.1
50°-60°	896.2	20.9
60°-70°	1043.5	24.4
70°-80°	716.8	16.7
80°-90°	279.2	6.5
90°-100°	79.2	1.9
100°-110°	29.0	0.7
110°-120°	14.9	0.3
120°-130°	9.4	0.2
130°-140°	6.2	0.1
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°	4139.3	96.7
0°-180°	4281.0	100.0

Coefficient of Utilization

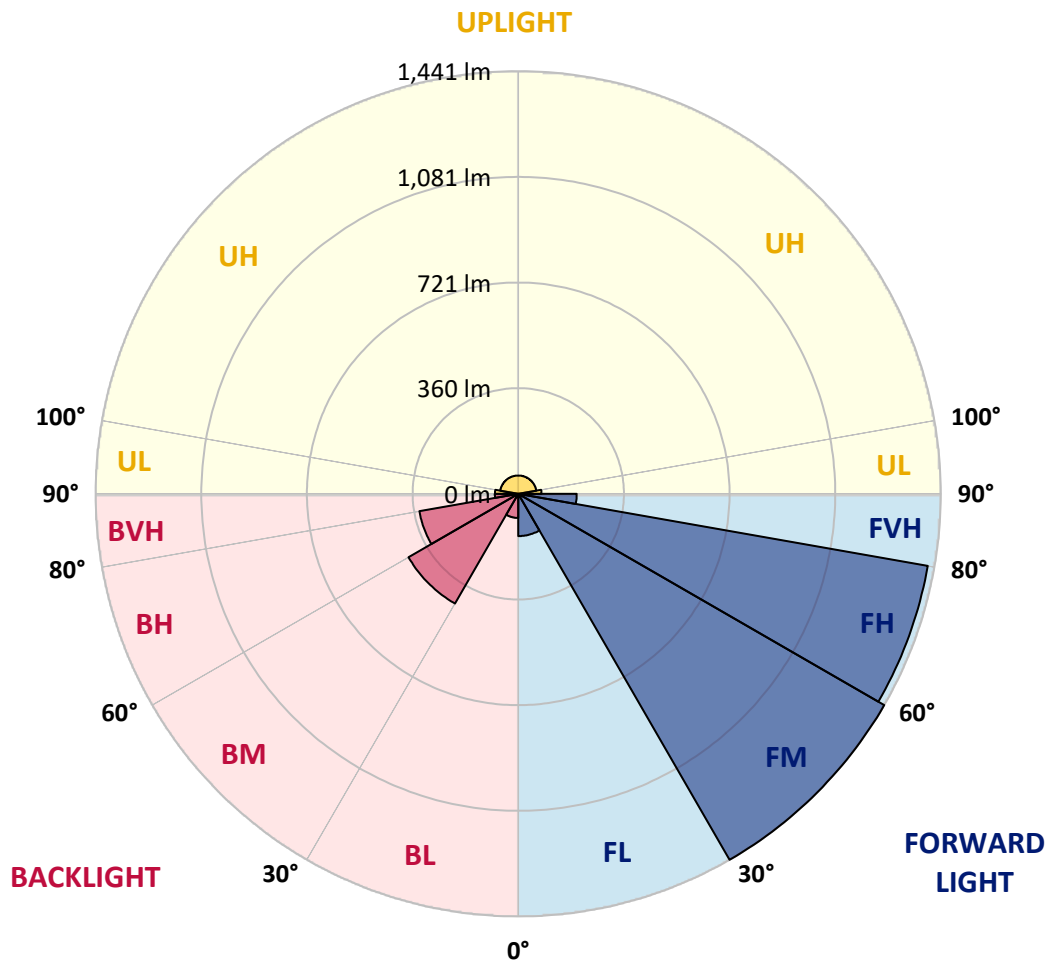


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.2	3.4			
FM (30°-60°)	1441.1	33.7			
FH (60°-80°)	1418.0	33.1			G1/1800
FVH (80°-90°)	199.2	4.7			G2/225
BL (0°-30°)	82.4	1.9	B0/110		
BM (30°-60°)	432.1	10.1	B1/1000		
BH (60°-80°)	342.3	8.0	B1/500		G1/500
BVH (80°-90°)	80.0	1.9			G1/100
UL (90°-100°)	79.2	1.9		U3/500	
UH (100°-180°)	62.5	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9
2.5°	124.1	125.7	125.7	125.7	125.7	124.1	122.6	121.0	121.0	119.4	117.9
5°	139.6	139.6	138.1	138.1	136.5	135.0	131.9	128.8	125.7	125.7	122.6
7.5°	153.6	155.1	155.1	152.0	150.5	147.4	142.7	138.1	135.0	133.4	128.8
10°	175.3	176.8	175.3	172.2	169.1	164.4	158.2	153.6	148.9	145.8	141.2
12.5°	204.8	204.8	203.2	197.0	190.8	186.2	179.9	175.3	169.1	169.1	162.9
15°	240.4	242.0	237.3	232.7	223.4	215.6	207.9	204.8	201.7	201.7	193.9
17.5°	285.4	287.0	280.8	268.4	257.5	251.3	246.7	242.0	238.9	238.9	231.1
20°	352.1	342.8	341.3	314.9	302.5	293.2	290.1	287.0	288.5	285.4	280.8
22.5°	426.6	420.4	411.1	380.1	356.8	342.8	338.2	339.7	344.4	344.4	342.8
25°	515.0	516.6	493.3	454.5	418.8	398.7	397.1	412.6	417.3	420.4	418.8
27.5°	615.9	622.1	584.8	542.9	493.3	459.2	462.3	488.7	504.2	505.7	504.2
30°	746.2	749.3	702.7	637.6	567.8	529.0	538.3	575.5	592.6	598.8	601.9
32.5°	895.1	895.1	842.3	757.0	653.1	598.8	608.1	673.3	713.6	712.0	721.3
35°	1037.8	1026.9	982.0	873.4	747.7	673.3	696.5	771.0	820.6	829.9	825.3
37.5°	1137.1	1144.8	1103.0	997.5	843.9	750.8	783.4	878.0	943.2	943.2	930.8
40°	1202.2	1211.5	1172.8	1082.8	938.5	836.1	871.8	974.2	1023.8	1026.9	982.0
42.5°	1272.0	1279.8	1253.4	1160.4	1017.6	916.8	949.4	1047.1	1096.7	1095.2	1048.7
45°	1349.6	1360.5	1348.1	1253.4	1096.7	992.8	1020.7	1134.0	1199.1	1210.0	1149.5
47.5°	1444.2	1452.0	1438.0	1345.0	1185.2	1070.4	1113.8	1251.9	1337.2	1338.7	1268.9
50°	1497.0	1512.5	1534.2	1461.3	1286.0	1157.2	1224.0	1400.8	1500.1	1518.7	1425.6
52.5°	1529.6	1546.6	1582.3	1566.8	1413.2	1272.0	1371.3	1571.4	1656.8	1683.1	1548.2
55°	1583.8	1602.5	1641.2	1619.5	1512.5	1403.9	1509.4	1745.2	1844.5	1856.9	1737.4
57.5°	1507.8	1526.5	1631.9	1673.8	1580.7	1518.7	1656.8	1939.1	2061.6	2080.3	1914.3
60°	1439.6	1452.0	1521.8	1641.2	1621.1	1600.9	1815.0	2125.2	2226.1	2232.3	2019.8
62.5°	1312.4	1340.3	1421.0	1518.7	1573.0	1630.4	1929.8	2272.6	2378.1	2389.0	2123.7
65°	1135.5	1155.7	1245.7	1385.3	1450.4	1582.3	1977.9	2392.1	2488.2	2482.0	2174.9
67.5°	1009.9	1025.4	1104.5	1205.3	1300.0	1475.3	1922.0	2410.7	2528.6	2513.1	2137.7
70°	792.7	811.3	901.3	1059.5	1134.0	1307.7	1790.2	2336.2	2438.6	2424.6	1968.6
72.5°	631.4	648.4	733.8	867.2	992.8	1132.4	1614.9	2098.9	2139.2	2103.5	1658.3
75°	462.3	485.5	542.9	663.9	814.4	978.9	1360.5	1784.0	1816.5	1782.4	1346.5
77.5°	319.6	321.1	372.3	487.1	617.4	825.3	1129.3	1481.5	1459.7	1424.1	1030.0
80°	204.8	207.9	240.4	314.9	448.3	623.6	912.1	1180.5	1160.4	1144.8	789.6
82.5°	131.9	127.2	155.1	206.3	304.0	453.0	708.9	946.3	924.6	887.3	597.2
85°	83.8	86.9	102.4	135.0	207.9	330.4	529.0	677.9	650.0	615.9	408.0
87.5°	63.6	65.2	74.5	96.2	141.2	232.7	361.4	471.6	453.0	420.4	274.6
90°	48.1	49.6	55.8	69.8	97.7	158.2	240.4	296.3	274.6	257.5	176.8
92.5°	34.1	35.7	41.9	52.7	72.9	110.1	155.1	173.7	161.3	155.1	114.8
95°	24.8	26.4	31.0	38.8	54.3	76.0	97.7	105.5	97.7	94.6	80.7
97.5°	20.2	21.7	23.3	29.5	41.9	55.8	66.7	68.3	66.7	63.6	60.5
100°	17.1	17.1	20.2	23.3	32.6	45.0	49.6	49.6	49.6	49.6	46.5
102.5°	14.0	14.0	17.1	20.2	26.4	35.7	38.8	38.8	37.2	38.8	37.2
105°	12.4	12.4	14.0	17.1	23.3	29.5	31.0	29.5	29.5	29.5	29.5
107.5°	10.9	10.9	12.4	15.5	20.2	24.8	26.4	24.8	23.3	23.3	24.8
110°	9.3	9.3	10.9	12.4	17.1	21.7	21.7	18.6	18.6	18.6	20.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	9.3	9.3	10.9	12.4	15.5	18.6	17.1	15.5	15.5	15.5	17.1
115°	9.3	9.3	9.3	10.9	14.0	15.5	15.5	14.0	12.4	14.0	15.5
117.5°	9.3	9.3	9.3	10.9	12.4	14.0	14.0	12.4	10.9	12.4	14.0
120°	9.3	9.3	9.3	10.9	12.4	12.4	12.4	10.9	10.9	10.9	12.4
122.5°	7.8	7.8	9.3	9.3	10.9	10.9	10.9	9.3	9.3	9.3	12.4
125°	7.8	7.8	9.3	9.3	10.9	10.9	9.3	9.3	9.3	9.3	10.9
127.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.8	9.3	9.3	10.9
130°	9.3	9.3	9.3	9.3	9.3	9.3	7.8	7.8	9.3	9.3	10.9
132.5°	9.3	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8	9.3	9.3
135°	9.3	9.3	9.3	9.3	7.8	7.8	6.2	7.8	7.8	7.8	9.3
137.5°	7.8	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	7.8	7.8
140°	7.8	6.2	6.2	6.2	6.2	6.2	4.7	4.7	6.2	6.2	7.8
142.5°	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	6.2	6.2
145°	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7
147.5°	4.7	3.1	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
150°	3.1	3.1	3.1	3.1	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°	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9
2.5°	117.9	116.3	116.3	114.8	113.2	113.2	111.7	111.7	111.7	111.7	110.1
5°	121.0	119.4	116.3	113.2	110.1	108.6	107.0	105.5	103.9	103.9	103.9
7.5°	125.7	124.1	119.4	114.8	110.1	105.5	102.4	100.8	99.3	97.7	97.7
10°	138.1	133.4	125.7	117.9	111.7	105.5	100.8	97.7	96.2	94.6	94.6
12.5°	155.1	153.6	141.2	128.8	117.9	108.6	102.4	100.8	99.3	99.3	97.7
15°	187.7	181.5	167.5	147.4	130.3	116.3	111.7	110.1	113.2	113.2	114.8
17.5°	223.4	215.6	197.0	172.2	148.9	133.4	127.2	128.8	131.9	135.0	135.0
20°	269.9	262.2	237.3	201.7	173.7	155.1	147.4	147.4	153.6	158.2	158.2
22.5°	333.5	319.6	283.9	235.8	198.6	176.8	166.0	164.4	172.2	176.8	176.8
25°	408.0	387.8	341.3	277.7	224.9	193.9	181.5	183.1	192.4	200.1	200.1
27.5°	485.5	463.8	398.7	316.5	249.8	206.3	195.5	201.7	214.1	221.8	223.4
30°	580.2	550.7	459.2	355.2	268.4	217.2	206.3	215.6	231.1	242.0	243.5
32.5°	687.2	650.0	535.2	394.0	282.3	223.4	212.5	231.1	249.8	265.3	265.3
35°	789.6	740.0	591.0	423.5	290.1	224.9	218.7	242.0	263.7	277.7	277.7
37.5°	881.1	817.5	637.6	439.0	290.1	224.9	220.3	246.7	266.8	276.1	274.6
40°	916.8	840.8	639.1	431.3	285.4	221.8	218.7	243.5	259.1	262.2	259.1
42.5°	971.1	878.0	628.3	404.9	269.9	217.2	214.1	232.7	242.0	242.0	238.9
45°	1054.9	935.4	629.8	378.5	252.9	207.9	206.3	223.4	234.2	237.3	234.2
47.5°	1157.2	1006.8	631.4	355.2	237.3	200.1	201.7	221.8	232.7	229.6	228.0
50°	1292.2	1101.4	639.1	333.5	228.0	193.9	201.7	223.4	231.1	224.9	221.8
52.5°	1391.5	1157.2	625.2	313.4	221.8	192.4	204.8	226.5	231.1	221.8	221.8
55°	1537.3	1234.8	595.7	287.0	215.6	193.9	207.9	229.6	231.1	223.4	221.8
57.5°	1666.1	1304.6	578.6	263.7	209.4	197.0	212.5	234.2	237.3	232.7	231.1
60°	1725.0	1321.7	533.6	248.2	204.8	200.1	218.7	242.0	252.9	249.8	251.3
62.5°	1796.4	1324.8	490.2	234.2	203.2	203.2	226.5	257.5	271.5	271.5	273.0
65°	1791.7	1284.5	439.0	221.8	201.7	206.3	235.8	271.5	288.5	293.2	294.7
67.5°	1729.7	1205.3	383.2	209.4	198.6	207.9	243.5	285.4	305.6	313.4	314.9
70°	1537.3	1058.0	327.3	198.6	192.4	204.8	245.1	293.2	313.4	321.1	322.7
72.5°	1261.2	839.2	266.8	183.1	181.5	195.5	238.9	288.5	304.0	307.2	310.3
75°	1006.8	665.5	221.8	166.0	166.0	179.9	221.8	265.3	276.1	279.2	274.6
77.5°	753.9	504.2	184.6	150.5	150.5	164.4	200.1	234.2	243.5	242.0	243.5
80°	570.9	381.6	156.7	135.0	135.0	145.8	178.4	207.9	215.6	212.5	211.0
82.5°	428.2	285.4	136.5	121.0	121.0	130.3	155.1	179.9	186.2	186.2	181.5
85°	293.2	204.8	119.4	107.0	107.0	114.8	133.4	152.0	161.3	159.8	156.7
87.5°	204.8	155.1	105.5	96.2	94.6	100.8	114.8	131.9	142.7	144.3	141.2
90°	141.2	116.3	91.5	82.2	82.2	86.9	99.3	113.2	124.1	125.7	122.6
92.5°	99.3	88.4	76.0	69.8	68.3	74.5	82.2	91.5	97.7	97.7	99.3
95°	72.9	68.3	60.5	54.3	54.3	60.5	65.2	66.7	71.4	71.4	69.8
97.5°	55.8	54.3	49.6	43.4	41.9	48.1	49.6	51.2	54.3	52.7	51.2
100°	46.5	45.0	40.3	35.7	34.1	38.8	40.3	41.9	45.0	41.9	41.9
102.5°	37.2	37.2	34.1	29.5	29.5	32.6	34.1	35.7	37.2	35.7	34.1
105°	31.0	31.0	29.5	26.4	24.8	27.9	29.5	29.5	31.0	29.5	29.5
107.5°	24.8	26.4	24.8	21.7	21.7	23.3	24.8	24.8	24.8	24.8	24.8
110°	21.7	21.7	21.7	18.6	20.2	21.7	21.7	21.7	21.7	21.7	21.7

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3-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	18.6	18.6	18.6	18.6	18.6	18.6
115°	17.1	17.1	17.1	15.5	15.5	17.1	15.5	15.5	15.5	17.1	17.1
117.5°	15.5	15.5	15.5	14.0	14.0	14.0	14.0	14.0	14.0	15.5	15.5
120°	14.0	14.0	14.0	12.4	12.4	12.4	12.4	12.4	12.4	14.0	14.0
122.5°	12.4	12.4	12.4	12.4	10.9	12.4	10.9	10.9	10.9	12.4	12.4
125°	10.9	12.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	12.4
127.5°	10.9	10.9	10.9	10.9	9.3	9.3	9.3	9.3	9.3	10.9	10.9
130°	10.9	10.9	10.9	9.3	9.3	9.3	7.8	7.8	9.3	9.3	10.9
132.5°	10.9	10.9	9.3	9.3	7.8	7.8	7.8	7.8	9.3	9.3	9.3
135°	9.3	9.3	9.3	7.8	7.8	7.8	6.2	7.8	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°	7.8	7.8	6.2	6.2	6.2	4.7	4.7	6.2	6.2	7.8	7.8
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	4.7	4.7	4.7	6.2	6.2
147.5°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7
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)