

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: P696049

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5389 lumens
Efficiency: N/A
Efficacy: 74.8 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 - G3

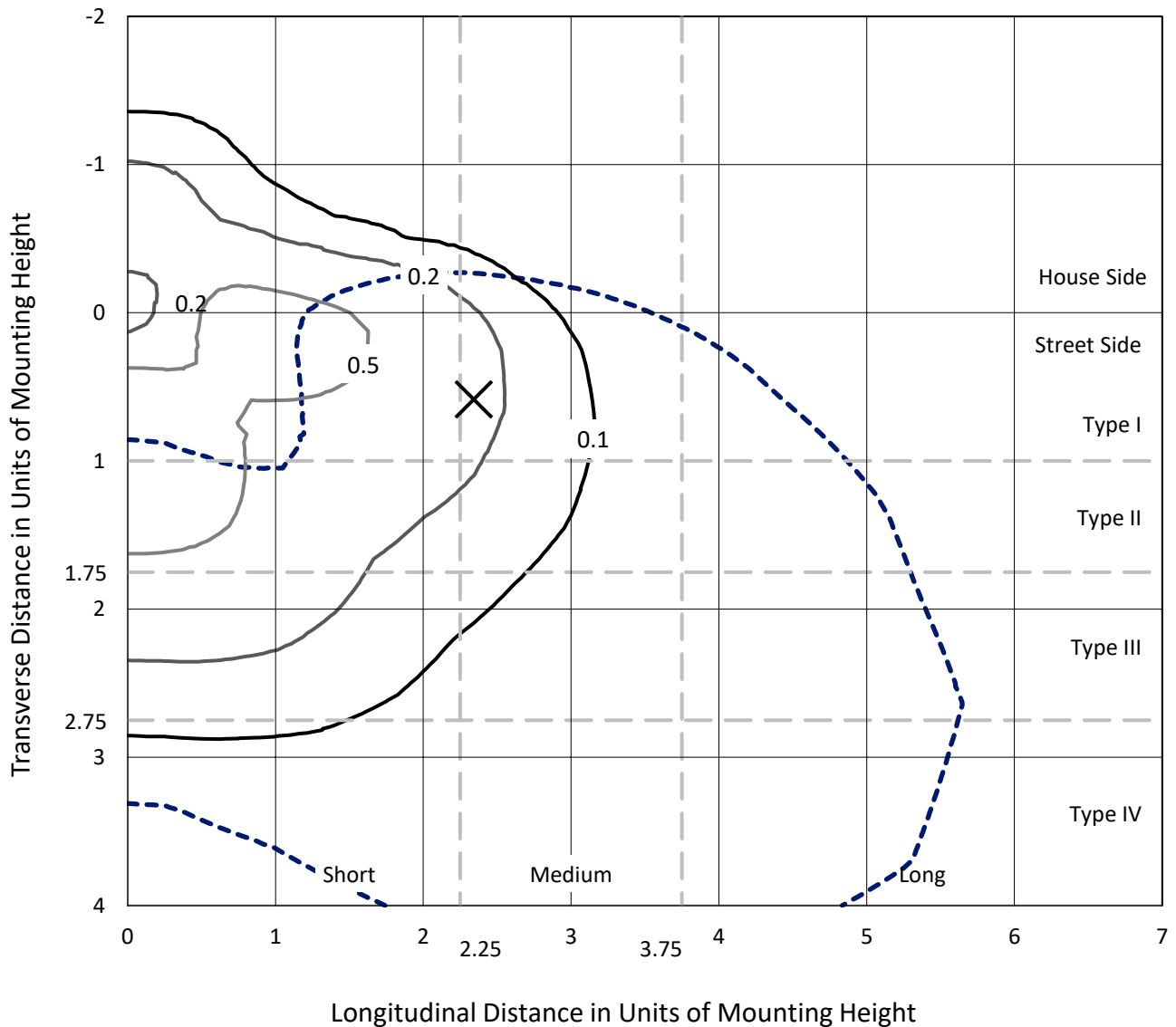
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

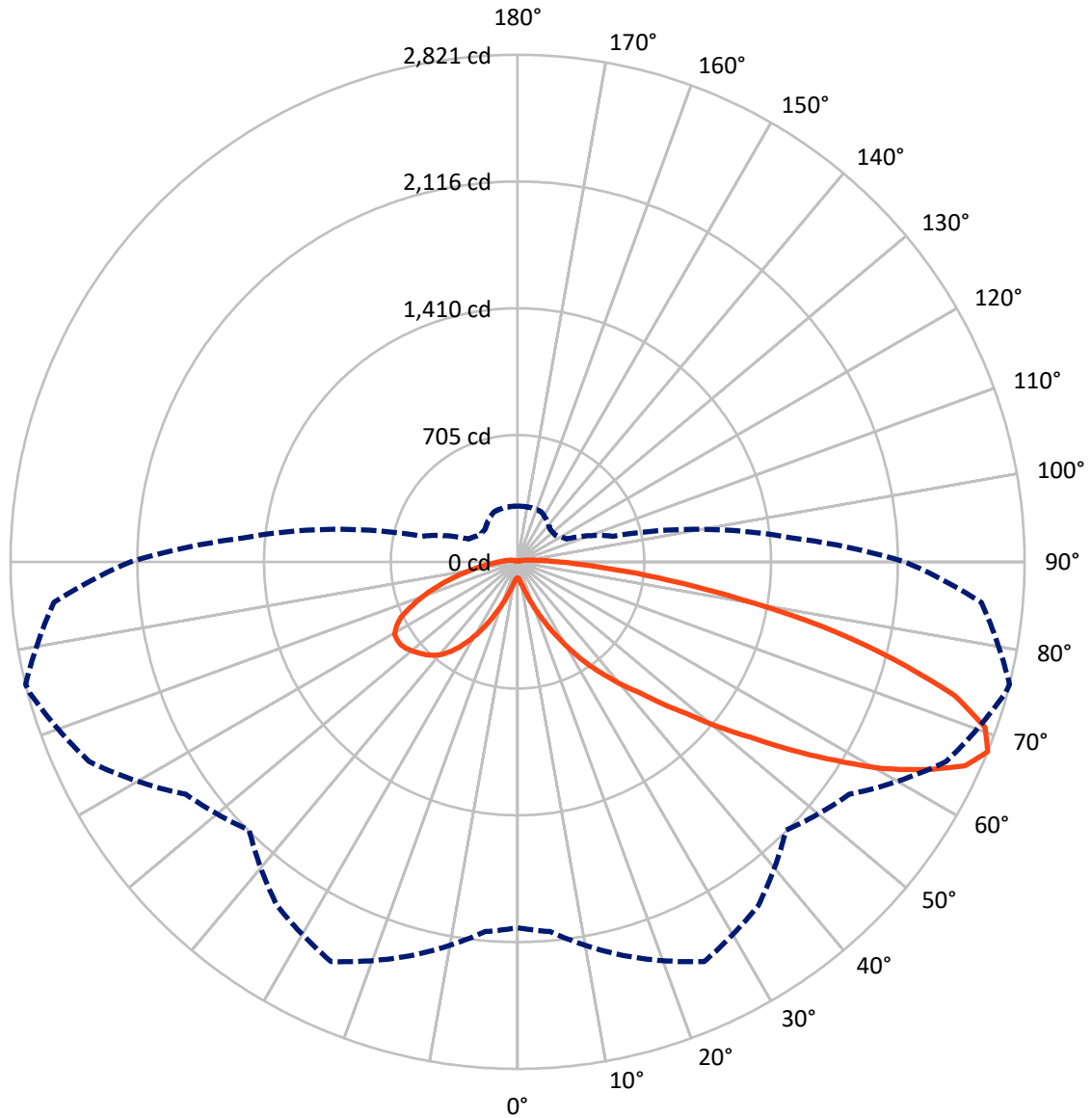
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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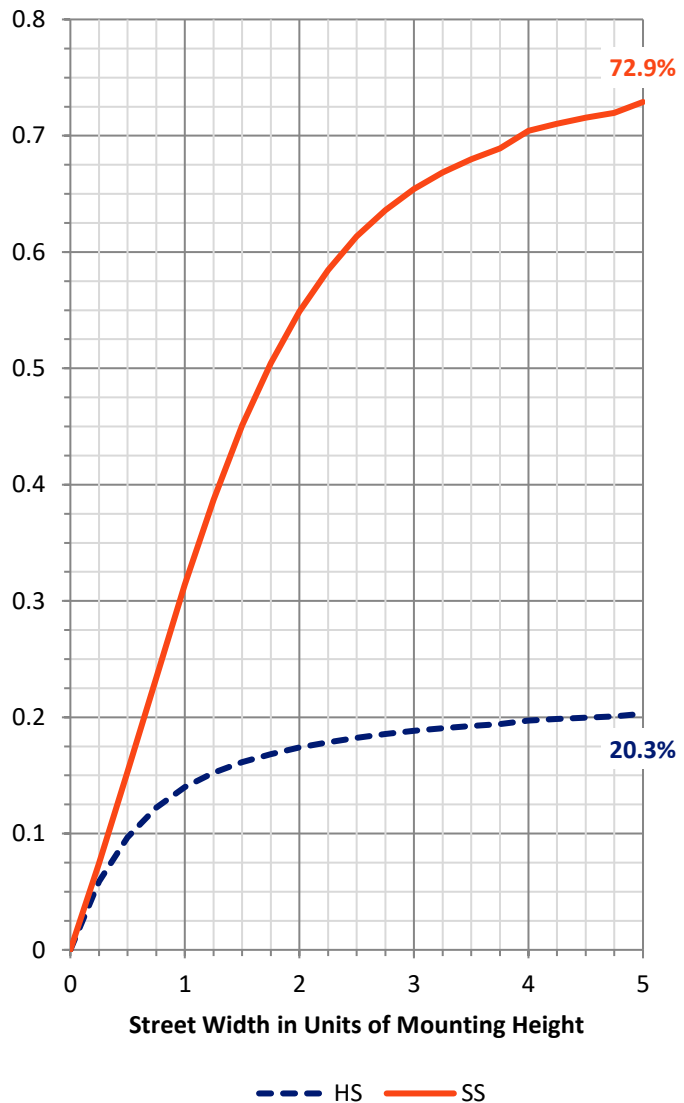
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.1	93.0	1247.1
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	4047.8	94.0	4141.8
	% Fixture	75.1	1.7	76.9
Total	Lumens	5201.9	187.1	5389.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.2
10°-20°	53.2	1.0
20°-30°	168.2	3.1
30°-40°	374.9	7.0
40°-50°	643.4	11.9
50°-60°	1003.6	18.6
60°-70°	1374.1	25.5
70°-80°	1151.7	21.4
80°-90°	422.6	7.8
90°-100°	106.4	2.0
100°-110°	40.5	0.8
110°-120°	19.4	0.4
120°-130°	10.9	0.2
130°-140°	6.4	0.1
140°-150°	3.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5201.9	96.5
0°-180°	5389.0	100.0

Coefficient of Utilization

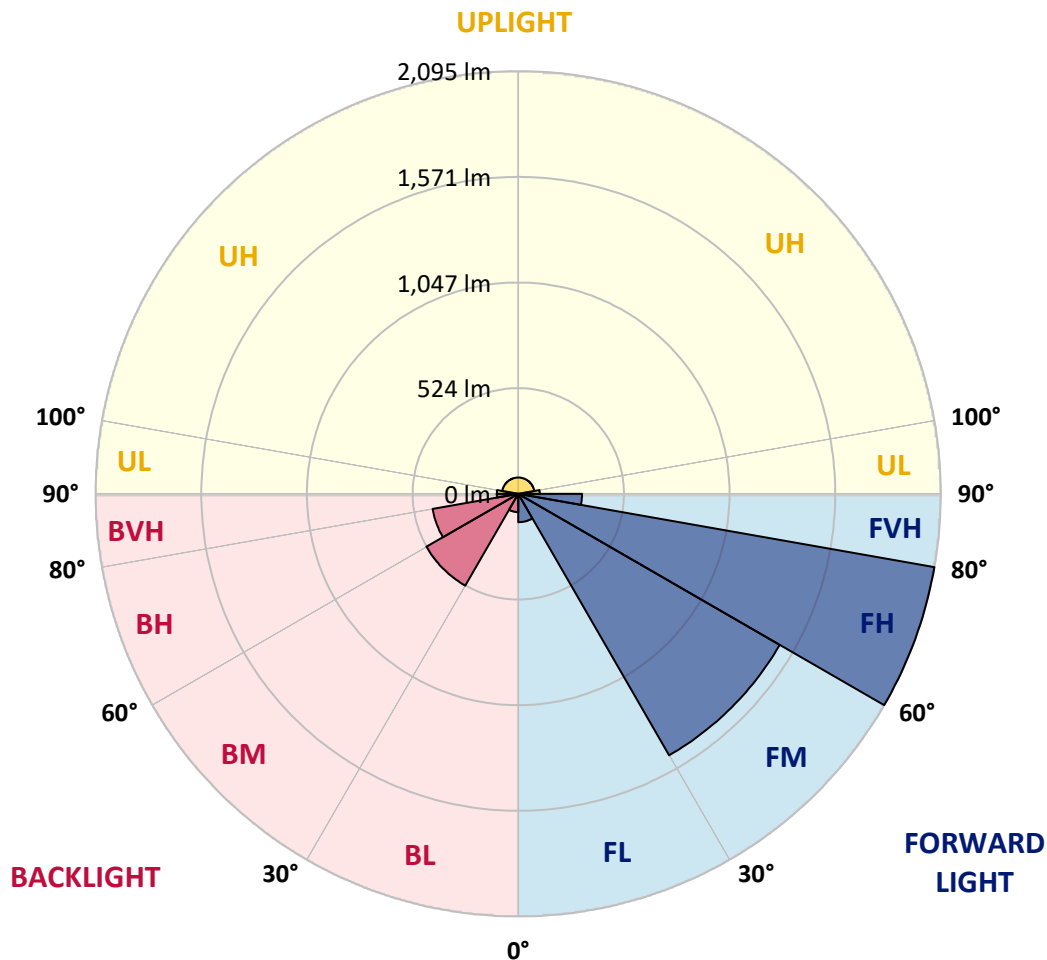


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.7	2.6			
FM (30°-60°)	1496.4	27.8			
FH (60°-80°)	2094.8	38.9			G2/5000
FVH (80°-90°)	315.9	5.9			G3/500
BL (0°-30°)	90.9	1.7	B0/110		
BM (30°-60°)	525.5	9.8	B1/1000		
BH (60°-80°)	431.1	8.0	B1/500		G1/500
BVH (80°-90°)	106.7	2.0			G2/225
UL (90°-100°)	106.4	2.0		U3/500	
UH (100°-180°)	80.6	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2.5°	95.5	95.5	95.5	95.5	97.4	95.5	95.5	93.5	93.5	91.6	91.6
5°	109.1	109.1	109.1	109.1	109.1	107.1	105.2	103.2	101.3	99.3	99.3
7.5°	128.6	128.6	128.6	126.6	124.7	122.7	120.8	116.9	113.0	113.0	109.1
10°	155.8	155.8	155.8	153.9	148.0	144.2	140.3	134.4	132.5	130.5	126.6
12.5°	192.9	192.9	189.0	185.1	177.3	171.4	165.6	159.7	157.8	155.8	150.0
15°	239.6	237.7	233.8	222.1	214.3	204.5	198.7	192.9	187.0	187.0	185.1
17.5°	296.1	294.1	284.4	268.8	257.1	241.6	233.8	229.9	229.9	227.9	224.0
20°	364.3	364.3	350.6	327.3	303.9	284.4	278.6	276.6	276.6	278.6	272.7
22.5°	451.9	450.0	430.5	391.5	358.4	333.1	327.3	327.3	333.1	333.1	331.2
25°	549.3	547.4	512.3	469.5	416.9	389.6	376.0	385.7	399.3	401.3	403.2
27.5°	668.2	660.4	619.5	553.2	485.1	442.2	432.5	448.0	475.3	473.4	477.3
30°	790.9	787.0	730.5	648.7	557.1	498.7	490.9	520.1	551.3	553.2	563.0
32.5°	935.0	913.6	861.0	751.9	631.2	559.1	547.4	590.2	637.0	640.9	650.6
35°	1079.2	1077.2	991.5	863.0	709.1	615.6	605.8	656.5	722.7	724.7	738.3
37.5°	1225.3	1217.5	1135.7	972.1	794.8	679.9	664.3	730.5	804.5	808.4	827.9
40°	1379.2	1369.4	1281.8	1088.9	884.4	750.0	732.4	810.4	896.1	903.9	927.2
42.5°	1513.6	1511.7	1427.9	1217.5	972.1	818.2	806.5	890.2	991.5	995.4	1030.5
45°	1661.6	1636.3	1558.4	1346.1	1081.1	901.9	890.2	993.5	1108.4	1124.0	1153.2
47.5°	1778.5	1766.8	1694.8	1486.3	1192.2	993.5	981.8	1104.5	1244.8	1258.4	1283.7
50°	1897.4	1883.7	1819.4	1618.8	1313.0	1100.6	1098.7	1244.8	1416.2	1437.6	1464.9
52.5°	1994.8	1987.0	1948.0	1761.0	1441.5	1207.8	1229.2	1410.4	1605.2	1620.7	1648.0
55°	2086.3	2080.5	2072.7	1918.8	1595.4	1350.0	1367.5	1595.4	1819.4	1848.7	1891.5
57.5°	2154.5	2164.2	2179.8	2072.7	1757.1	1492.2	1529.2	1821.4	2057.1	2084.4	2127.2
60°	2201.2	2216.8	2273.3	2226.6	1926.6	1650.0	1727.9	2029.8	2304.5	2335.7	2357.1
62.5°	2207.1	2232.4	2347.3	2357.1	2086.3	1815.5	1903.2	2251.9	2540.2	2546.0	2520.7
65°	2162.3	2181.8	2343.4	2437.0	2228.5	1977.2	2096.1	2479.8	2721.4	2735.0	2618.1
67.5°	2035.7	2064.9	2267.5	2454.5	2333.7	2111.6	2253.8	2629.8	2811.0	2820.7	2588.9
70°	1800.0	1852.6	2094.1	2353.2	2355.1	2185.7	2357.1	2694.1	2770.1	2758.4	2413.6
72.5°	1515.5	1529.2	1796.1	2142.8	2273.3	2183.7	2345.4	2616.2	2561.6	2540.2	2086.3
75°	1108.4	1145.4	1394.8	1817.5	2078.5	2055.1	2207.1	2384.4	2197.3	2158.4	1700.6
77.5°	750.0	788.9	985.7	1394.8	1749.3	1825.3	1953.8	2006.4	1768.8	1735.7	1246.7
80°	471.4	498.7	637.0	974.0	1371.4	1490.2	1587.6	1554.5	1283.7	1252.6	886.3
82.5°	263.0	276.6	389.6	635.0	966.2	1133.7	1209.7	1127.9	884.4	849.3	574.7
85°	138.3	155.8	220.1	385.7	644.8	806.5	866.9	746.1	543.5	531.8	358.4
87.5°	76.0	83.8	126.6	231.8	399.3	547.4	574.7	469.5	337.0	321.4	227.9
90°	46.8	50.6	74.0	138.3	247.4	342.8	360.4	294.1	210.4	206.5	151.9
92.5°	31.2	33.1	50.6	89.6	155.8	220.1	231.8	183.1	138.3	134.4	109.1
95°	23.4	25.3	39.0	64.3	107.1	150.0	148.0	124.7	93.5	91.6	79.9
97.5°	19.5	21.4	33.1	50.6	77.9	101.3	101.3	81.8	68.2	68.2	62.3
100°	17.5	17.5	27.3	40.9	58.4	74.0	74.0	60.4	50.6	50.6	46.8
102.5°	15.6	15.6	23.4	35.1	46.8	58.4	56.5	46.8	39.0	39.0	37.0
105°	13.6	13.6	21.4	29.2	39.0	46.8	44.8	37.0	31.2	29.2	27.3
107.5°	11.7	11.7	17.5	25.3	35.1	39.0	37.0	31.2	23.4	23.4	21.4
110°	11.7	11.7	15.6	23.4	29.2	33.1	31.2	25.3	19.5	19.5	17.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	9.7	9.7	13.6	19.5	25.3	29.2	27.3	21.4	15.6	15.6	15.6
115°	9.7	9.7	11.7	17.5	21.4	25.3	23.4	17.5	13.6	13.6	13.6
117.5°	9.7	9.7	11.7	15.6	19.5	21.4	19.5	15.6	11.7	11.7	11.7
120°	7.8	7.8	9.7	13.6	17.5	19.5	17.5	13.6	9.7	9.7	11.7
122.5°	7.8	7.8	9.7	11.7	15.6	17.5	15.6	11.7	9.7	9.7	9.7
125°	7.8	7.8	9.7	11.7	13.6	15.6	13.6	9.7	9.7	9.7	9.7
127.5°	7.8	7.8	7.8	9.7	11.7	13.6	11.7	9.7	7.8	7.8	9.7
130°	7.8	7.8	7.8	9.7	11.7	11.7	9.7	7.8	7.8	7.8	9.7
132.5°	7.8	7.8	7.8	7.8	9.7	9.7	9.7	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	9.7	9.7	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	5.8	5.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8
140°	5.8	5.8	5.8	5.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8
142.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
145°	5.8	5.8	5.8	3.9	5.8	5.8	3.9	3.9	3.9	5.8	5.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2.5°	91.6	89.6	89.6	89.6	89.6	87.7	87.7	87.7	87.7	85.7	87.7
5°	97.4	97.4	95.5	91.6	91.6	89.6	89.6	87.7	87.7	85.7	85.7
7.5°	109.1	107.1	103.2	101.3	97.4	95.5	93.5	91.6	91.6	89.6	89.6
10°	124.7	122.7	116.9	113.0	109.1	105.2	103.2	101.3	99.3	97.4	97.4
12.5°	148.0	144.2	138.3	128.6	124.7	118.8	114.9	113.0	113.0	113.0	111.0
15°	181.2	175.3	165.6	153.9	142.2	134.4	132.5	132.5	132.5	134.4	134.4
17.5°	220.1	212.3	200.6	181.2	165.6	155.8	153.9	153.9	155.8	159.7	159.7
20°	268.8	259.1	241.6	216.2	192.9	179.2	175.3	179.2	187.0	189.0	189.0
22.5°	325.3	317.5	288.3	251.3	222.1	204.5	200.6	204.5	214.3	222.1	224.0
25°	393.5	381.8	340.9	292.2	251.3	229.9	224.0	233.8	247.4	259.1	259.1
27.5°	469.5	455.8	399.3	335.1	280.5	251.3	245.4	259.1	282.5	296.1	298.0
30°	551.3	529.9	455.8	376.0	305.8	270.8	266.9	286.4	313.6	331.2	333.1
32.5°	640.9	605.8	514.3	413.0	329.2	284.4	282.5	307.8	340.9	362.3	364.3
35°	724.7	685.7	566.9	440.2	344.8	294.1	294.1	323.4	362.3	383.8	385.7
37.5°	806.5	755.8	611.7	461.7	352.6	298.0	300.0	335.1	374.0	395.4	397.4
40°	896.1	831.8	650.6	471.4	354.5	300.0	303.9	340.9	376.0	397.4	397.4
42.5°	989.6	911.7	676.0	471.4	350.6	298.0	301.9	339.0	372.1	387.7	389.6
45°	1098.7	997.4	693.5	463.6	342.8	292.2	298.0	335.1	360.4	368.2	370.1
47.5°	1223.3	1087.0	707.1	451.9	333.1	286.4	294.1	325.3	346.7	346.7	346.7
50°	1381.1	1188.3	718.8	432.5	321.4	280.5	288.3	317.5	329.2	325.3	325.3
52.5°	1552.6	1299.3	726.6	413.0	309.7	272.7	282.5	309.7	315.6	305.8	305.8
55°	1743.5	1429.8	726.6	393.5	298.0	266.9	278.6	301.9	303.9	294.1	290.3
57.5°	1926.6	1533.1	716.9	372.1	286.4	261.0	274.7	298.0	298.0	288.3	286.4
60°	2090.2	1628.5	701.3	352.6	278.6	257.1	274.7	296.1	296.1	288.3	288.3
62.5°	2207.1	1659.7	662.3	335.1	270.8	257.1	276.6	298.0	300.0	296.1	294.1
65°	2236.3	1644.1	617.5	315.6	263.0	255.2	280.5	303.9	305.8	303.9	303.9
67.5°	2154.5	1529.2	549.3	300.0	257.1	255.2	282.5	307.8	309.7	309.7	309.7
70°	1942.2	1357.8	487.0	282.5	251.3	253.2	286.4	311.7	311.7	311.7	311.7
72.5°	1642.2	1139.6	422.7	266.9	241.6	249.3	286.4	309.7	309.7	307.8	307.8
75°	1297.4	901.9	362.3	251.3	229.9	241.6	282.5	303.9	301.9	300.0	298.0
77.5°	960.4	670.1	303.9	229.9	216.2	231.8	270.8	290.3	288.3	286.4	282.5
80°	662.3	467.5	253.2	208.4	198.7	216.2	253.2	270.8	268.8	264.9	264.9
82.5°	430.5	321.4	204.5	183.1	179.2	198.7	233.8	247.4	243.5	239.6	237.7
85°	278.6	218.2	163.6	155.8	159.7	177.3	204.5	216.2	214.3	210.4	206.5
87.5°	183.1	155.8	128.6	128.6	136.4	155.8	175.3	181.2	179.2	179.2	175.3
90°	128.6	116.9	105.2	107.1	116.9	134.4	144.2	146.1	144.2	146.1	142.2
92.5°	95.5	89.6	85.7	89.6	99.3	113.0	118.8	114.9	116.9	116.9	114.9
95°	74.0	72.1	72.1	76.0	85.7	95.5	97.4	91.6	95.5	95.5	93.5
97.5°	58.4	58.4	60.4	64.3	72.1	79.9	79.9	76.0	77.9	77.9	77.9
100°	46.8	46.8	50.6	54.5	62.3	68.2	66.2	62.3	64.3	62.3	60.4
102.5°	37.0	39.0	42.9	46.8	52.6	56.5	56.5	52.6	52.6	50.6	50.6
105°	29.2	31.2	35.1	40.9	44.8	48.7	48.7	44.8	40.9	39.0	39.0
107.5°	23.4	25.3	29.2	33.1	39.0	40.9	40.9	37.0	33.1	29.2	29.2
110°	19.5	21.4	25.3	29.2	33.1	35.1	35.1	31.2	27.3	23.4	23.4

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	17.5	21.4	25.3	27.3	29.2	29.2	27.3	21.4	19.5	19.5
115°	13.6	15.6	17.5	21.4	23.4	25.3	25.3	21.4	17.5	15.6	15.6
117.5°	13.6	13.6	15.6	19.5	21.4	23.4	21.4	19.5	15.6	13.6	13.6
120°	11.7	13.6	15.6	15.6	19.5	19.5	19.5	15.6	13.6	13.6	13.6
122.5°	11.7	11.7	13.6	15.6	15.6	17.5	17.5	13.6	11.7	11.7	11.7
125°	9.7	11.7	11.7	13.6	15.6	15.6	15.6	11.7	11.7	11.7	11.7
127.5°	9.7	9.7	11.7	11.7	13.6	13.6	13.6	11.7	9.7	9.7	9.7
130°	9.7	9.7	9.7	9.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7
132.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	7.8	9.7	9.7
135°	7.8	7.8	7.8	7.8	9.7	9.7	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	5.8	7.8	7.8	5.8	5.8	5.8	7.8	7.8
142.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
145°	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8	5.8	5.8	5.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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)