

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: P696029

Luminaire Tested: **LXF.LXT-PA16-827-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5135 lumens
Efficiency: N/A
Efficacy: 71.3 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

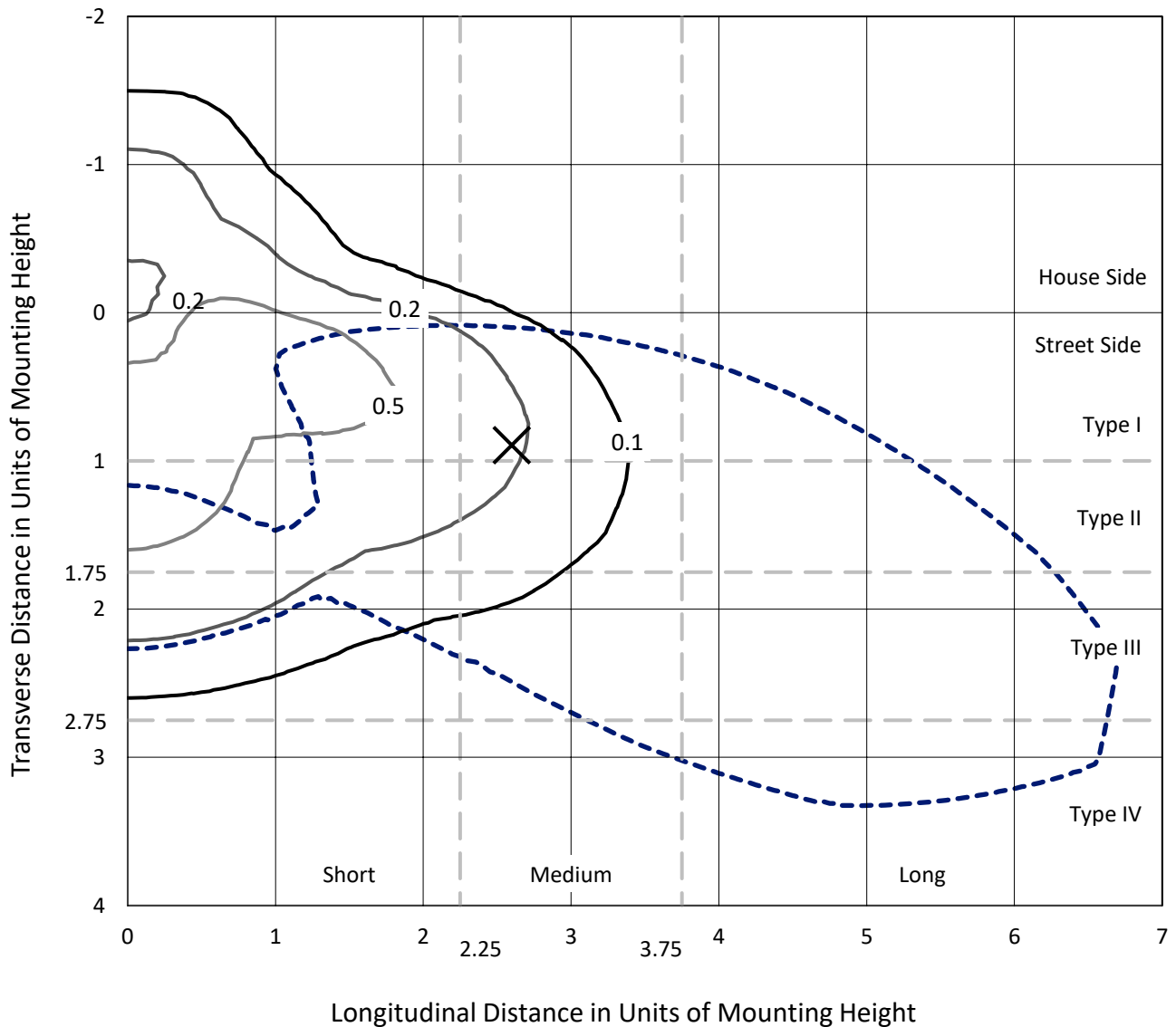
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

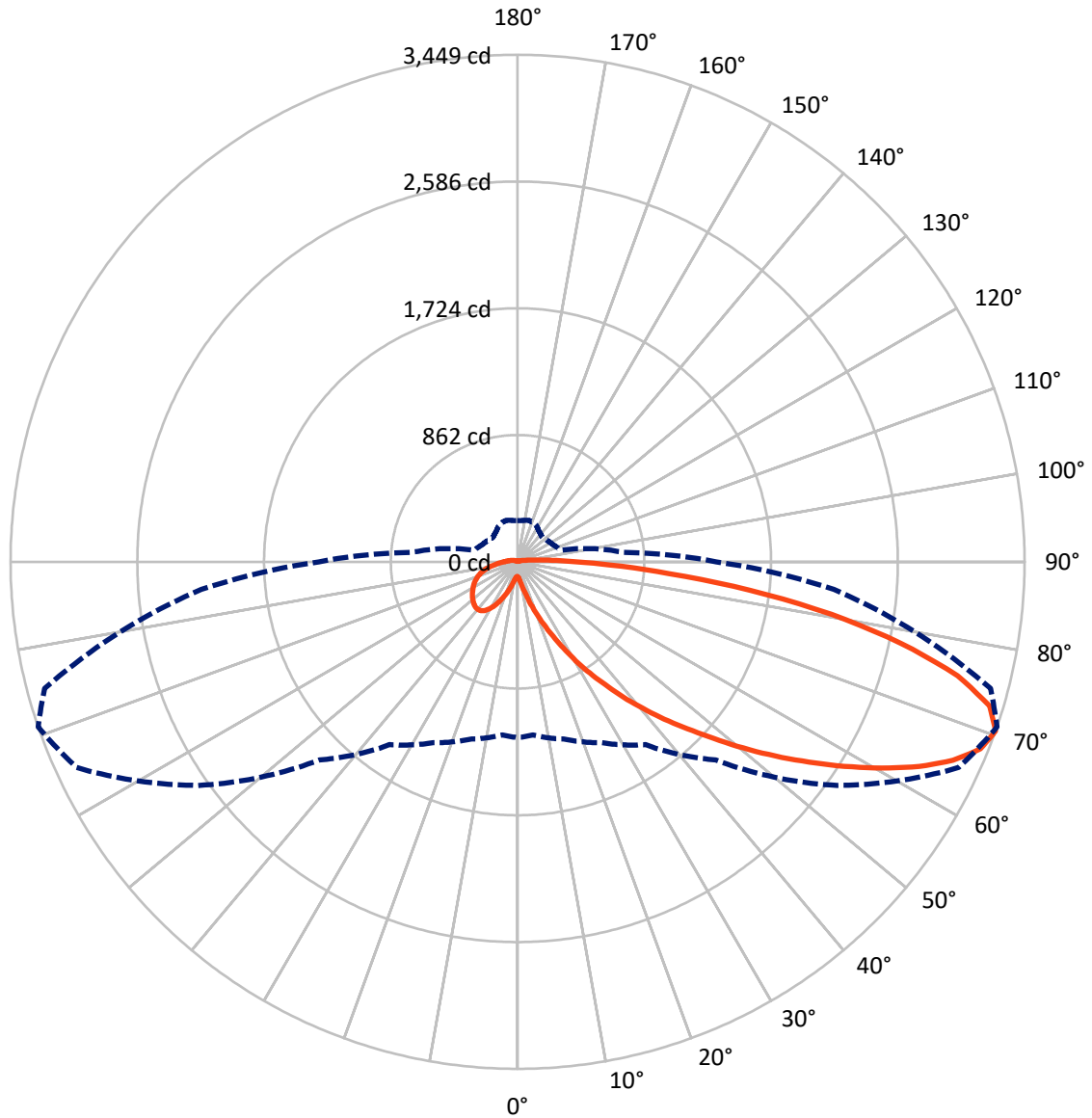
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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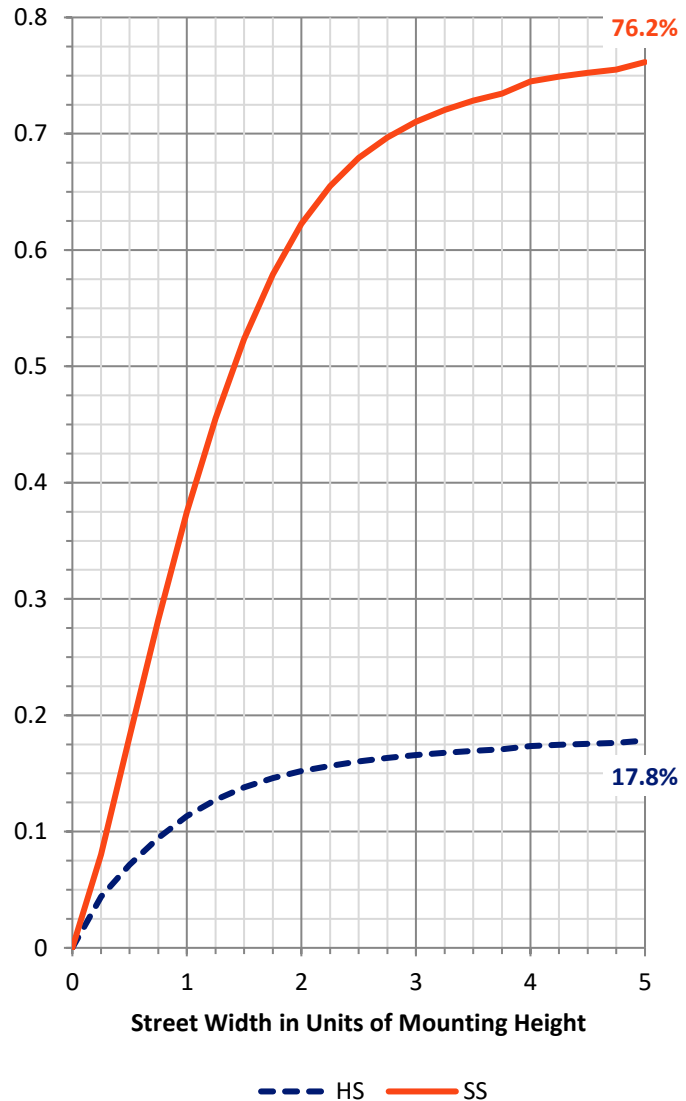
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.3	82.4	1041.7
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	4003.6	89.7	4093.3
	% Fixture	78.0	1.7	79.7
Total	Lumens	4962.9	172.1	5135.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.2
10°-20°	59.9	1.2
20°-30°	184.6	3.6
30°-40°	400.7	7.8
40°-50°	669.1	13.0
50°-60°	991.2	19.3
60°-70°	1247.4	24.3
70°-80°	1002.2	19.5
80°-90°	396.1	7.7
90°-100°	95.5	1.9
100°-110°	37.5	0.7
110°-120°	18.7	0.4
120°-130°	10.6	0.2
130°-140°	6.3	0.1
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°	4962.9	96.6
0°-180°	5135.0	100.0

Coefficient of Utilization

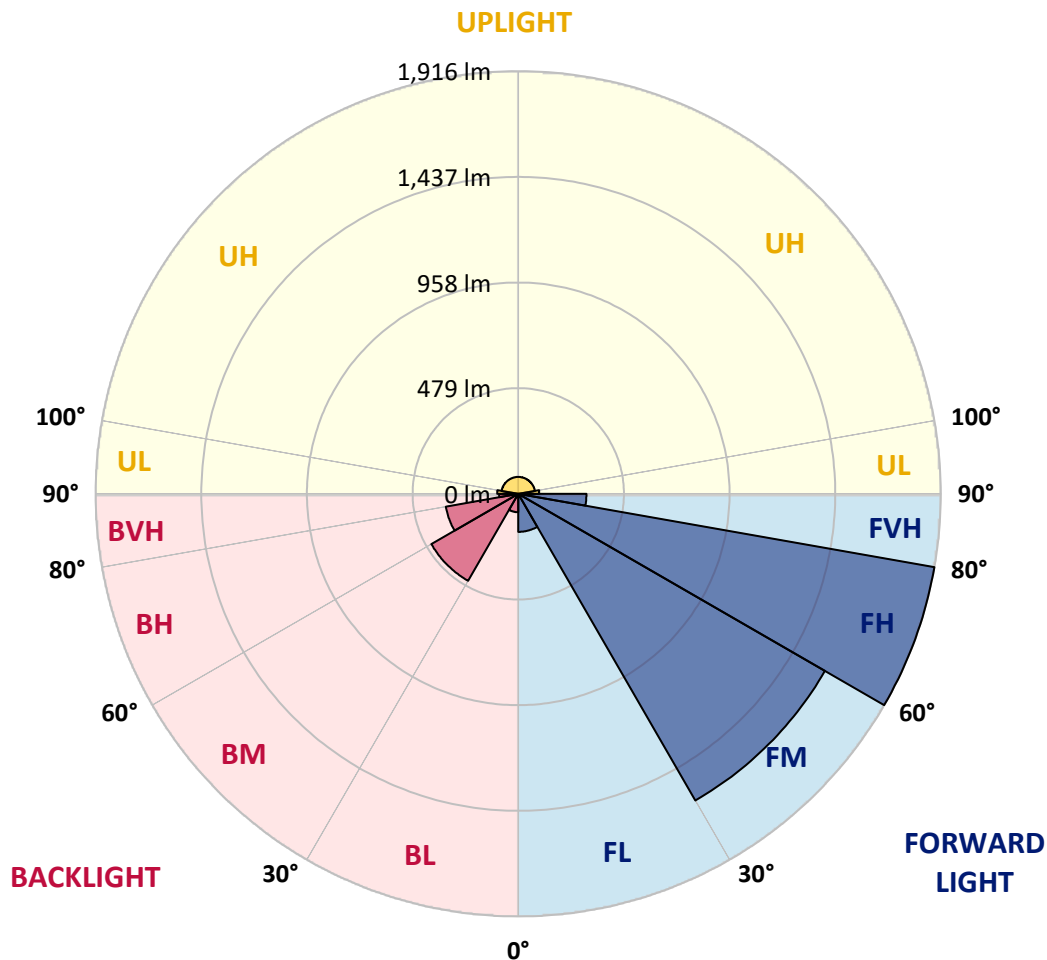


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.6	3.4			
FM (30°-60°)	1605.6	31.3			
FH (60°-80°)	1916.1	37.3			G2/5000
FVH (80°-90°)	309.2	6.0			G3/500
BL (0°-30°)	83.6	1.6	B0/110		
BM (30°-60°)	455.3	8.9	B1/1000		
BH (60°-80°)	333.5	6.5	B1/500		G1/500
BVH (80°-90°)	86.9	1.7			G1/100
UL (90°-100°)	95.5	1.9		U3/500	
UH (100°-180°)	76.6	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°	71°	75°	85°
0°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	113.0	113.0	113.0	113.0	113.0	111.1	109.1	109.1	107.2	107.2	105.2
5°	134.4	134.4	132.5	132.5	130.5	128.6	126.6	122.7	120.8	118.8	115.0
7.5°	159.8	157.8	155.9	155.9	155.9	152.0	148.1	144.2	140.3	136.4	130.5
10°	190.9	189.0	189.0	187.0	185.1	183.1	179.2	173.4	167.6	165.6	155.9
12.5°	228.0	226.0	228.0	226.0	220.2	220.2	218.2	210.4	206.5	202.6	189.0
15°	274.7	274.7	274.7	268.9	266.9	263.0	265.0	259.1	255.2	251.3	233.8
17.5°	333.2	333.2	329.3	323.4	315.6	315.6	317.6	317.6	319.5	307.8	284.5
20°	399.4	405.3	393.6	381.9	372.1	374.1	378.0	389.7	389.7	378.0	350.7
22.5°	485.1	479.3	473.4	450.1	434.5	430.6	446.2	465.7	467.6	465.7	422.8
25°	574.8	572.8	553.3	528.0	500.7	496.8	522.2	553.3	561.1	557.2	506.6
27.5°	670.2	670.2	650.7	605.9	567.0	561.1	592.3	646.9	664.4	666.3	596.2
30°	794.9	783.2	756.0	695.6	644.9	627.4	672.2	750.1	781.3	783.2	693.6
32.5°	902.1	902.1	863.1	794.9	720.9	691.7	746.2	861.2	902.1	898.2	789.1
35°	1022.9	1013.1	970.3	886.5	794.9	757.9	824.2	972.2	1024.8	1024.8	880.7
37.5°	1133.9	1122.2	1083.3	983.9	870.9	822.2	906.0	1083.3	1167.1	1167.1	962.5
40°	1243.0	1241.1	1192.4	1079.4	950.8	884.6	985.9	1209.9	1309.3	1301.5	1048.2
42.5°	1365.8	1358.0	1299.5	1178.8	1028.7	952.7	1069.6	1342.4	1463.2	1451.5	1130.0
45°	1496.3	1478.8	1412.6	1282.0	1100.8	1022.9	1157.3	1473.0	1619.1	1623.0	1221.6
47.5°	1615.2	1611.3	1543.1	1389.2	1194.3	1096.9	1252.8	1636.6	1794.4	1784.7	1307.3
50°	1751.6	1743.8	1661.9	1494.4	1280.1	1182.6	1359.9	1798.3	1991.2	1981.5	1420.3
52.5°	1886.0	1870.4	1784.7	1605.4	1379.4	1276.2	1480.7	1975.6	2193.8	2172.4	1533.4
55°	2001.0	1995.1	1886.0	1716.5	1488.5	1375.5	1624.9	2170.5	2404.3	2394.5	1656.1
57.5°	2094.5	2082.8	1981.5	1813.9	1587.9	1510.0	1792.5	2365.3	2624.4	2601.0	1786.6
60°	2123.7	2112.0	2010.7	1880.2	1681.4	1648.3	1981.5	2583.5	2848.5	2817.3	1917.2
62.5°	2061.4	2049.7	1969.8	1886.0	1749.6	1780.8	2189.9	2815.4	3066.7	3035.5	2043.8
65°	1858.7	1852.9	1821.7	1806.1	1761.3	1884.1	2412.1	3019.9	3253.7	3201.1	2147.1
67.5°	1554.8	1562.6	1566.5	1624.9	1689.2	1942.5	2567.9	3207.0	3396.0	3321.9	2182.2
70°	1196.3	1182.6	1248.9	1358.0	1517.8	1905.5	2651.7	3310.2	3448.6	3329.7	2158.8
72.5°	851.4	853.4	927.4	1071.6	1299.5	1784.7	2636.1	3273.2	3357.0	3218.7	2047.7
75°	588.4	584.5	641.0	783.2	1036.5	1558.7	2447.1	3099.8	3092.0	2953.7	1810.0
77.5°	395.5	407.2	448.1	555.3	787.1	1299.5	2154.9	2692.6	2665.3	2491.9	1525.6
80°	278.6	274.7	317.6	397.5	549.4	1009.2	1747.7	2199.7	2166.6	1958.1	1190.4
82.5°	187.0	196.8	224.1	274.7	393.6	744.3	1324.9	1628.8	1591.8	1422.3	833.9
85°	122.7	126.6	152.0	192.9	272.8	512.4	906.0	1098.9	1032.6	927.4	545.5
87.5°	77.9	81.8	101.3	132.5	189.0	344.9	602.0	678.0	627.4	584.5	331.2
90°	46.8	50.7	66.2	91.6	130.5	231.9	364.3	393.6	350.7	319.5	200.7
92.5°	33.1	35.1	46.8	66.2	95.5	155.9	226.0	226.0	206.5	177.3	126.6
95°	23.4	25.3	35.1	50.7	72.1	107.2	142.2	134.4	118.8	111.1	85.7
97.5°	19.5	19.5	29.2	40.9	58.5	81.8	93.5	85.7	79.9	74.0	64.3
100°	15.6	17.5	25.3	35.1	48.7	62.3	68.2	62.3	56.5	54.6	48.7
102.5°	13.6	15.6	21.4	31.2	40.9	50.7	52.6	46.8	44.8	40.9	37.0
105°	11.7	13.6	17.5	27.3	35.1	42.9	42.9	39.0	35.1	33.1	29.2
107.5°	11.7	11.7	15.6	23.4	31.2	35.1	37.0	31.2	27.3	25.3	23.4
110°	9.7	9.7	13.6	19.5	27.3	31.2	31.2	25.3	21.4	19.5	17.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	9.7	9.7	13.6	17.5	23.4	27.3	25.3	21.4	17.5	15.6	15.6
115°	9.7	9.7	11.7	15.6	21.4	23.4	21.4	17.5	15.6	13.6	13.6
117.5°	7.8	9.7	11.7	15.6	19.5	21.4	19.5	15.6	13.6	11.7	11.7
120°	7.8	7.8	9.7	13.6	15.6	17.5	17.5	13.6	11.7	9.7	11.7
122.5°	7.8	7.8	9.7	11.7	15.6	15.6	15.6	11.7	9.7	9.7	9.7
125°	7.8	7.8	9.7	11.7	13.6	13.6	13.6	9.7	9.7	7.8	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	7.8
132.5°	7.8	7.8	7.8	9.7	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	5.8	5.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8
140°	7.8	5.8	5.8	7.8	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	3.9	5.8	5.8	5.8
145°	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	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	1.9	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°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
2.5°	103.3	103.3	101.3	99.4	97.4	95.5	95.5	95.5	95.5	93.5	93.5
5°	111.1	109.1	105.2	101.3	97.4	93.5	91.6	89.6	87.7	87.7	85.7
7.5°	126.6	122.7	115.0	107.2	101.3	95.5	91.6	87.7	85.7	83.8	83.8
10°	150.0	144.2	130.5	118.8	109.1	99.4	93.5	89.6	87.7	85.7	85.7
12.5°	179.2	171.5	152.0	134.4	118.8	107.2	101.3	95.5	93.5	91.6	91.6
15°	222.1	206.5	181.2	155.9	134.4	118.8	111.1	109.1	107.2	107.2	107.2
17.5°	268.9	251.3	212.4	177.3	150.0	134.4	126.6	124.7	126.6	126.6	126.6
20°	325.4	300.0	247.4	202.6	169.5	153.9	148.1	146.1	150.0	152.0	153.9
22.5°	391.6	352.7	282.5	228.0	192.9	175.4	167.6	169.5	175.4	181.2	181.2
25°	465.7	416.9	321.5	253.3	216.3	196.8	190.9	198.7	206.5	214.3	216.3
27.5°	537.7	475.4	360.4	280.6	239.6	216.3	216.3	224.1	243.5	251.3	255.2
30°	613.7	530.0	391.6	307.8	263.0	237.7	239.6	257.2	278.6	290.3	294.2
32.5°	681.9	580.6	416.9	331.2	282.5	259.1	261.1	284.5	313.7	329.3	331.2
35°	750.1	617.6	438.4	352.7	300.0	274.7	282.5	313.7	344.9	362.4	364.3
37.5°	800.8	646.9	448.1	366.3	315.6	286.4	298.1	337.1	372.1	387.7	389.7
40°	847.5	664.4	452.0	376.0	325.4	298.1	311.7	356.5	391.6	407.2	407.2
42.5°	882.6	670.2	450.1	379.9	333.2	303.9	321.5	370.2	405.3	416.9	418.9
45°	919.6	676.1	442.3	379.9	335.1	307.8	325.4	376.0	411.1	418.9	418.9
47.5°	958.6	680.0	432.5	376.0	333.2	307.8	329.3	379.9	411.1	415.0	415.0
50°	1013.1	689.7	420.8	368.2	329.3	305.9	329.3	379.9	407.2	403.3	403.3
52.5°	1063.8	703.4	409.2	360.4	323.4	302.0	327.3	378.0	399.4	389.7	389.7
55°	1126.1	713.1	395.5	348.8	315.6	296.1	321.5	370.2	387.7	376.0	374.1
57.5°	1196.3	732.6	383.8	335.1	305.9	290.3	315.6	362.4	376.0	358.5	356.5
60°	1268.4	748.2	370.2	323.4	296.1	280.6	305.9	350.7	360.4	342.9	341.0
62.5°	1322.9	761.8	356.5	311.7	286.4	270.8	296.1	337.1	344.9	327.3	325.4
65°	1369.7	767.6	341.0	298.1	274.7	261.1	284.5	321.5	327.3	311.7	309.8
67.5°	1381.4	756.0	321.5	282.5	261.1	249.4	268.9	303.9	311.7	298.1	294.2
70°	1352.2	724.8	303.9	268.9	249.4	235.8	253.3	284.5	292.3	280.6	280.6
72.5°	1264.5	672.2	282.5	251.3	233.8	220.2	235.8	263.0	272.8	266.9	263.0
75°	1128.1	592.3	257.2	233.8	216.3	204.6	216.3	241.6	251.3	249.4	249.4
77.5°	933.3	504.6	229.9	210.4	198.7	187.0	198.7	218.2	229.9	231.9	229.9
80°	718.9	399.4	198.7	187.0	179.2	169.5	179.2	196.8	206.5	210.4	208.5
82.5°	518.3	303.9	167.6	163.7	157.8	153.9	157.8	171.5	185.1	187.0	187.0
85°	358.5	220.2	140.3	140.3	136.4	134.4	138.3	148.1	157.8	161.7	161.7
87.5°	231.9	157.8	113.0	116.9	118.8	116.9	118.8	122.7	132.5	136.4	134.4
90°	152.0	113.0	93.5	97.4	101.3	101.3	99.4	101.3	111.1	113.0	113.0
92.5°	101.3	85.7	79.9	81.8	85.7	87.7	85.7	85.7	91.6	93.5	91.6
95°	76.0	70.1	68.2	70.1	74.0	74.0	74.0	72.1	76.0	77.9	76.0
97.5°	58.5	56.5	58.5	60.4	64.3	64.3	64.3	62.3	64.3	64.3	62.3
100°	46.8	46.8	50.7	52.6	54.6	54.6	54.6	54.6	54.6	50.7	50.7
102.5°	37.0	39.0	42.9	46.8	46.8	48.7	46.8	46.8	44.8	42.9	40.9
105°	31.2	31.2	37.0	39.0	40.9	40.9	40.9	39.0	37.0	33.1	33.1
107.5°	23.4	25.3	31.2	33.1	35.1	35.1	35.1	33.1	31.2	27.3	27.3
110°	19.5	21.4	25.3	29.2	31.2	31.2	31.2	29.2	25.3	21.4	21.4

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-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	25.3	27.3	27.3	25.3	21.4	17.5	19.5
115°	13.6	15.6	19.5	21.4	23.4	23.4	23.4	21.4	17.5	15.6	15.6
117.5°	13.6	13.6	17.5	19.5	19.5	21.4	19.5	17.5	15.6	13.6	13.6
120°	11.7	13.6	15.6	17.5	17.5	17.5	17.5	15.6	13.6	13.6	13.6
122.5°	11.7	11.7	13.6	15.6	15.6	15.6	15.6	13.6	11.7	11.7	11.7
125°	9.7	11.7	11.7	13.6	13.6	13.6	13.6	11.7	11.7	11.7	11.7
127.5°	9.7	9.7	11.7	11.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7
130°	9.7	9.7	9.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7
132.5°	7.8	7.8	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	7.8	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	7.8	7.8	7.8	7.8	7.8
140°	5.8	5.8	5.8	5.8	5.8	5.8	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	3.9	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	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	1.9	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)