

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: P696044

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5350 lumens
Efficiency: N/A
Efficacy: 74.3 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 - G3

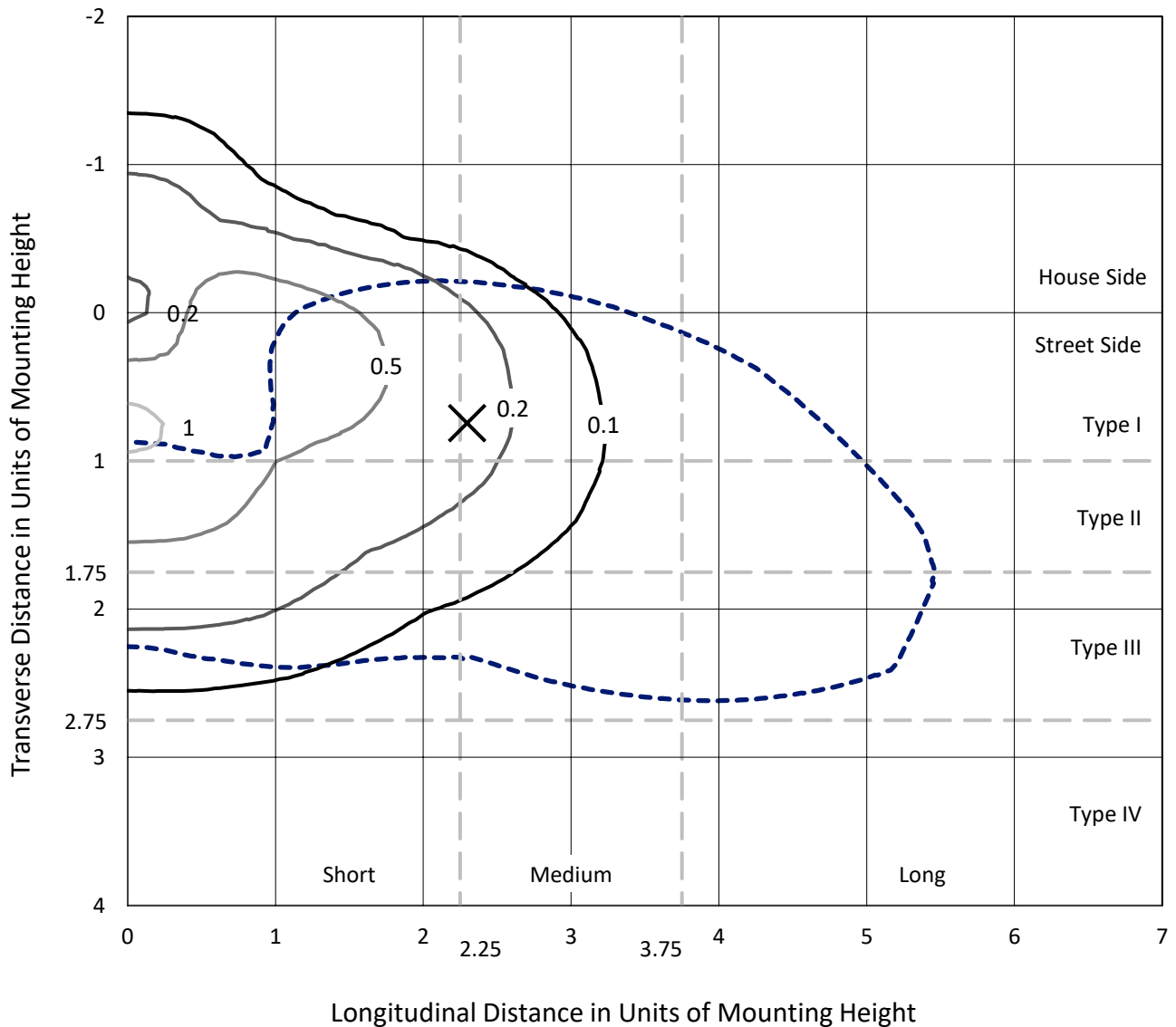
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

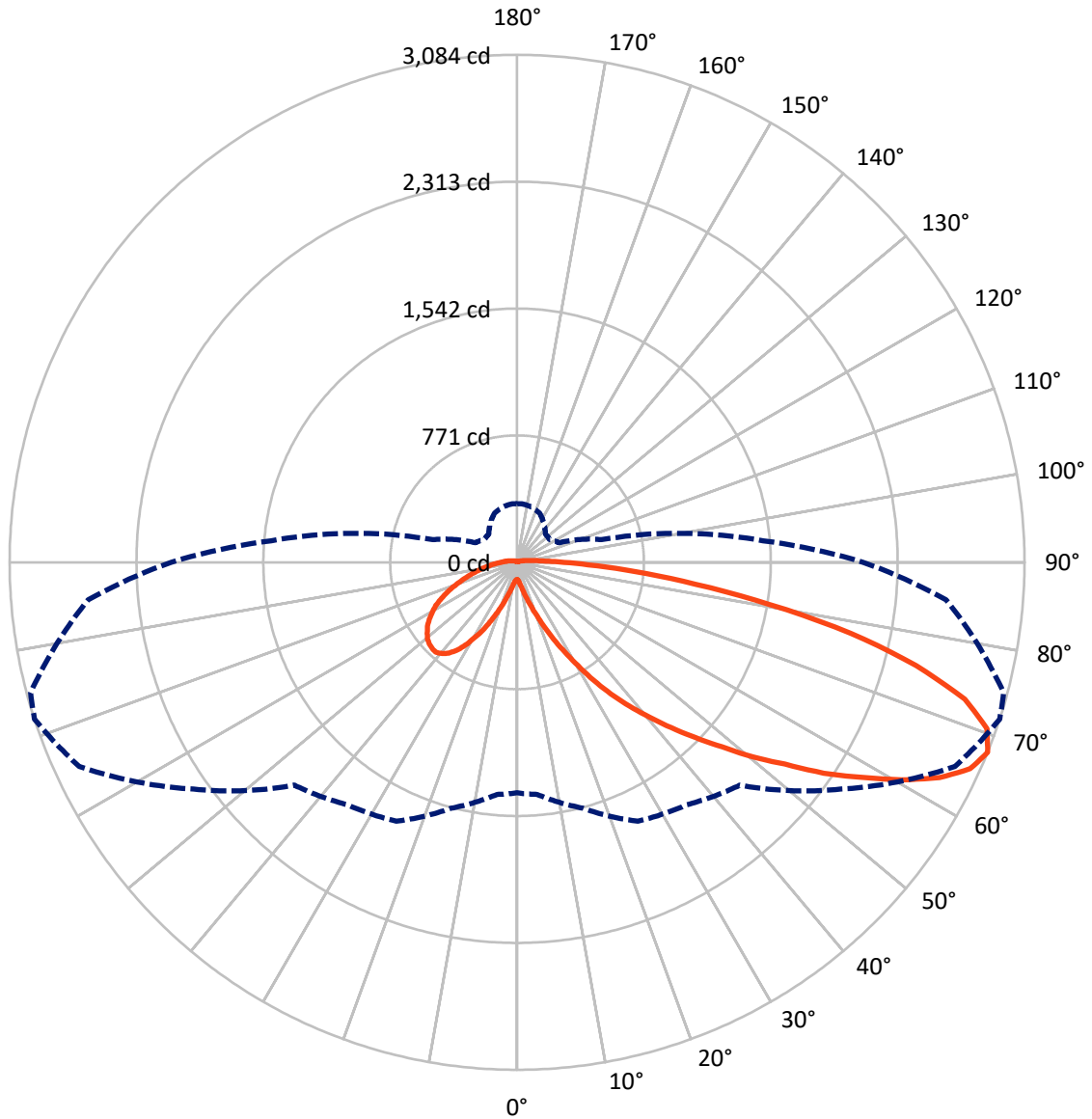
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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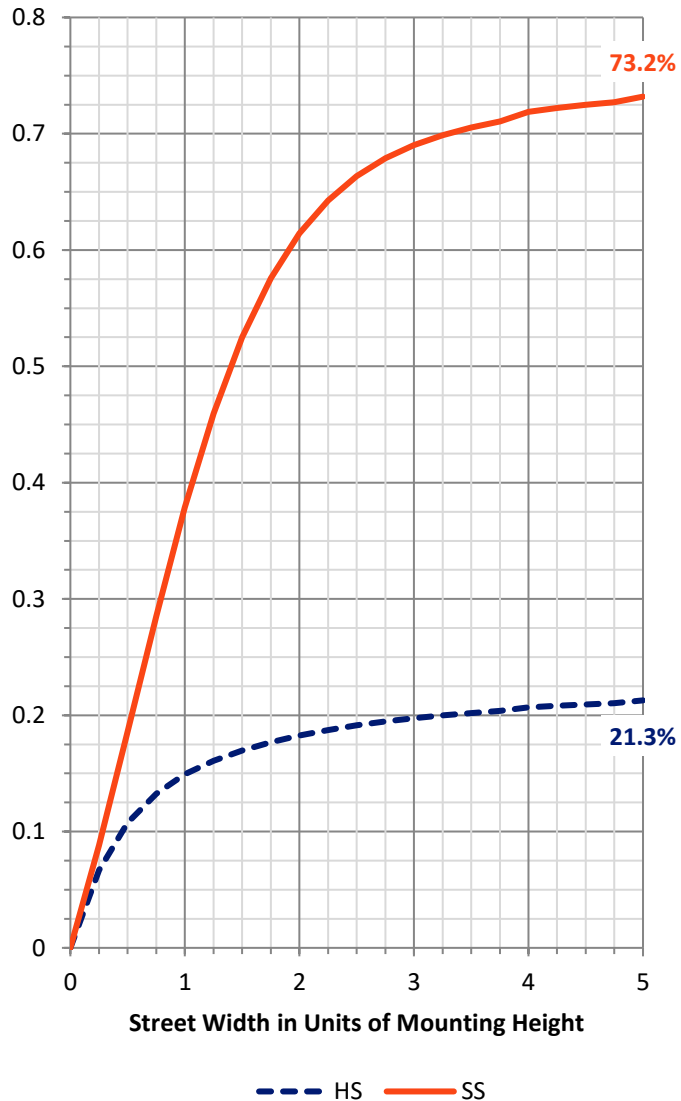
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.0	89.7	1284.7
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3982.6	82.6	4065.2
	% Fixture	74.4	1.5	76.0
Total	Lumens	5177.6	172.4	5350.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.2
10°-20°	63.1	1.2
20°-30°	202.5	3.8
30°-40°	452.9	8.5
40°-50°	755.0	14.1
50°-60°	1099.0	20.5
60°-70°	1317.1	24.6
70°-80°	945.6	17.7
80°-90°	330.4	6.2
90°-100°	90.5	1.7
100°-110°	38.8	0.7
110°-120°	20.0	0.4
120°-130°	11.8	0.2
130°-140°	7.3	0.1
140°-150°	3.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5177.6	96.8
0°-180°	5350.0	100.0

Coefficient of Utilization

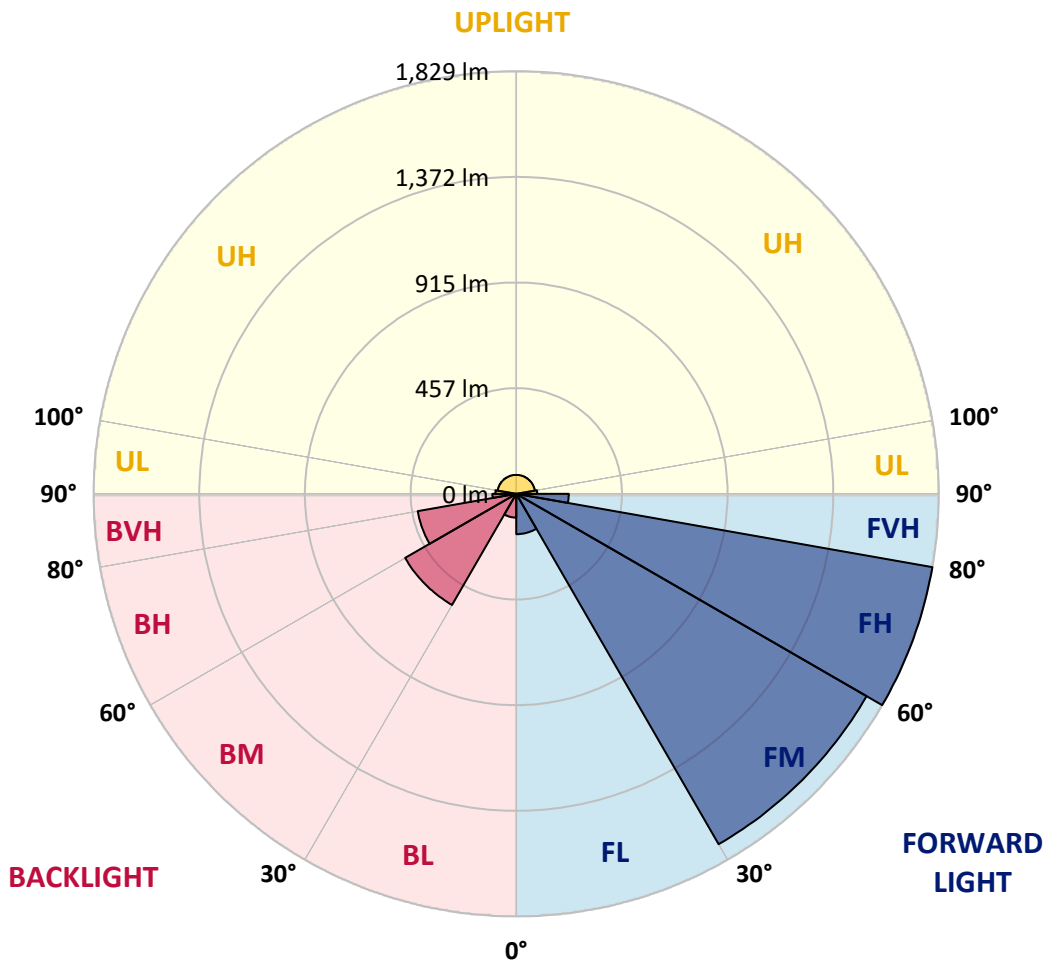


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.6	3.3			
FM (30°-60°)	1751.4	32.7			
FH (60°-80°)	1829.4	34.2			G2/5000
FVH (80°-90°)	227.2	4.2			G3/500
BL (0°-30°)	103.0	1.9	B0/110		
BM (30°-60°)	555.4	10.4	B1/1000		
BH (60°-80°)	433.3	8.1	B1/500		G1/500
BVH (80°-90°)	103.3	1.9			G2/225
UL (90°-100°)	90.5	1.7		U3/500	
UH (100°-180°)	81.9	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2
2.5°	111.1	111.1	111.1	113.0	111.1	111.1	111.1	109.1	109.1	109.1	107.2
5°	128.6	128.6	126.6	126.6	124.7	124.7	122.7	120.8	118.8	116.9	115.0
7.5°	150.0	150.0	148.1	148.1	146.1	142.2	140.3	136.4	134.4	132.5	130.5
10°	183.1	181.2	181.2	179.2	175.3	171.5	167.6	161.7	157.8	155.9	152.0
12.5°	226.0	224.1	222.1	214.3	210.4	204.6	198.7	194.8	190.9	187.0	181.2
15°	280.6	278.6	272.8	266.9	253.3	247.4	239.6	237.7	233.8	231.9	222.1
17.5°	346.8	341.0	337.1	323.4	309.8	296.1	292.2	288.4	286.4	284.5	278.6
20°	428.6	422.8	415.0	389.7	374.1	358.5	348.7	350.7	348.7	348.7	342.9
22.5°	528.0	529.9	508.5	475.4	440.3	420.8	416.9	422.8	426.7	430.6	418.9
25°	648.8	646.8	613.7	568.9	524.1	496.8	492.9	504.6	518.3	526.0	516.3
27.5°	783.2	773.5	740.4	674.1	617.6	576.7	578.7	604.0	617.6	623.5	615.7
30°	923.5	919.6	870.9	791.0	709.2	658.5	666.3	703.3	728.7	742.3	722.8
32.5°	1075.5	1063.8	1007.3	913.8	806.6	744.3	761.8	814.4	855.3	857.3	847.5
35°	1219.6	1219.6	1153.4	1040.4	907.9	833.9	855.3	941.0	982.0	993.6	972.2
37.5°	1361.9	1352.1	1295.6	1155.4	1009.2	921.6	950.8	1052.1	1108.6	1120.3	1093.0
40°	1480.7	1478.8	1414.5	1282.0	1100.8	1007.3	1046.2	1170.9	1237.2	1256.7	1211.9
42.5°	1601.5	1593.7	1543.1	1393.1	1209.9	1095.0	1147.6	1299.5	1373.6	1385.3	1338.5
45°	1691.1	1685.3	1648.3	1509.9	1313.2	1188.5	1254.7	1428.1	1519.7	1531.4	1459.3
47.5°	1776.9	1776.9	1745.7	1630.7	1420.3	1293.7	1377.5	1580.1	1675.6	1695.0	1613.2
50°	1860.6	1852.9	1845.1	1745.7	1529.4	1410.6	1498.3	1739.9	1858.7	1878.2	1765.2
52.5°	1909.4	1921.0	1930.8	1862.6	1652.2	1521.6	1644.4	1913.3	2037.9	2065.2	1942.5
55°	1954.2	1948.3	1993.1	1948.3	1757.4	1644.4	1808.0	2112.0	2262.0	2271.7	2133.4
57.5°	1952.2	1958.1	2024.3	2028.2	1860.6	1757.4	1962.0	2308.8	2464.6	2497.7	2308.8
60°	1905.5	1921.0	2006.8	2047.7	1942.5	1858.7	2121.7	2515.3	2684.8	2717.9	2482.2
62.5°	1810.0	1815.8	1938.6	2028.2	1965.9	1936.6	2263.9	2706.2	2881.6	2879.6	2614.6
65°	1630.7	1640.5	1771.0	1917.1	1923.0	1956.1	2361.4	2862.1	3025.7	3014.1	2657.5
67.5°	1400.8	1416.4	1547.0	1736.0	1798.3	1915.2	2402.3	2936.1	3084.2	3060.8	2616.6
70°	1112.5	1151.5	1254.7	1453.4	1613.2	1784.7	2347.7	2916.6	3029.6	2998.5	2449.0
72.5°	818.3	835.8	944.9	1139.8	1336.5	1591.8	2170.4	2754.9	2846.5	2772.5	2186.0
75°	574.8	580.6	672.2	839.7	1052.1	1328.8	1903.5	2441.2	2505.5	2433.5	1823.6
77.5°	354.6	366.3	438.4	576.7	773.5	1059.9	1548.9	2034.0	2075.0	1981.4	1422.3
80°	218.2	226.0	276.7	381.9	537.7	773.5	1198.2	1545.0	1558.7	1494.4	1017.0
82.5°	140.3	148.1	181.2	245.5	358.5	539.7	843.6	1100.8	1093.0	1024.8	685.8
85°	91.6	97.4	118.8	163.7	237.7	372.1	563.1	730.6	713.1	662.4	446.2
87.5°	60.4	64.3	83.8	115.0	163.7	247.4	362.4	442.3	432.5	399.4	278.6
90°	40.9	42.9	58.4	79.9	115.0	169.5	233.8	266.9	249.4	235.7	181.2
92.5°	29.2	33.1	42.9	60.4	87.7	120.8	152.0	165.6	155.9	150.0	122.7
95°	23.4	23.4	35.1	48.7	68.2	91.6	107.2	107.2	101.3	99.4	89.6
97.5°	19.5	19.5	29.2	40.9	56.5	72.1	77.9	76.0	72.1	74.0	68.2
100°	15.6	17.5	25.3	35.1	46.8	58.4	60.4	56.5	54.6	54.6	52.6
102.5°	13.6	15.6	23.4	31.2	40.9	48.7	50.7	46.8	42.9	42.9	40.9
105°	13.6	13.6	19.5	27.3	35.1	40.9	40.9	37.0	35.1	33.1	31.2
107.5°	11.7	11.7	17.5	25.3	31.2	35.1	35.1	31.2	27.3	27.3	25.3
110°	9.7	11.7	15.6	21.4	27.3	31.2	31.2	27.3	23.4	21.4	21.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.7	9.7	13.6	19.5	23.4	27.3	25.3	21.4	19.5	17.5	17.5
115°	9.7	9.7	11.7	17.5	21.4	23.4	23.4	19.5	15.6	15.6	15.6
117.5°	9.7	9.7	11.7	15.6	19.5	21.4	19.5	17.5	13.6	13.6	13.6
120°	9.7	9.7	11.7	13.6	17.5	19.5	17.5	15.6	11.7	11.7	13.6
122.5°	7.8	9.7	9.7	13.6	15.6	17.5	15.6	13.6	11.7	11.7	11.7
125°	7.8	9.7	9.7	11.7	13.6	15.6	13.6	11.7	9.7	9.7	11.7
127.5°	7.8	7.8	9.7	11.7	13.6	13.6	13.6	11.7	9.7	9.7	11.7
130°	7.8	9.7	9.7	9.7	11.7	13.6	11.7	9.7	9.7	9.7	9.7
132.5°	7.8	7.8	9.7	9.7	11.7	11.7	9.7	9.7	7.8	7.8	9.7
135°	7.8	7.8	7.8	9.7	9.7	9.7	9.7	7.8	7.8	7.8	9.7
137.5°	7.8	7.8	7.8	7.8	9.7	9.7	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	5.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8
145°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
147.5°	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8
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°	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2
2.5°	105.2	105.2	105.2	103.3	103.3	103.3	101.3	101.3	101.3	101.3	101.3
5°	115.0	113.0	111.1	109.1	105.2	105.2	103.3	103.3	101.3	101.3	101.3
7.5°	128.6	126.6	122.7	118.8	115.0	111.1	109.1	107.2	105.2	105.2	105.2
10°	148.1	146.1	138.3	132.5	126.6	122.7	118.8	116.9	115.0	113.0	113.0
12.5°	177.3	175.3	165.6	153.9	144.2	136.4	130.5	128.6	126.6	124.7	126.6
15°	218.2	214.3	200.7	181.2	167.6	153.9	148.1	146.1	148.1	148.1	146.1
17.5°	272.8	263.0	241.6	216.3	194.8	177.3	169.5	169.5	169.5	171.5	171.5
20°	335.1	325.4	294.2	259.1	224.1	202.6	192.9	192.9	194.8	196.8	200.7
22.5°	409.1	393.6	352.6	302.0	257.2	228.0	216.3	216.3	222.1	228.0	228.0
25°	500.7	481.2	420.8	346.8	290.3	253.3	237.7	239.6	249.4	255.2	257.2
27.5°	600.1	574.8	494.9	399.4	319.5	272.8	257.2	261.1	272.8	282.5	282.5
30°	713.1	670.2	563.1	444.2	344.9	288.4	272.8	280.6	294.2	305.9	307.8
32.5°	816.3	773.5	641.0	487.1	366.3	298.1	282.5	294.2	309.8	323.4	323.4
35°	931.3	876.7	705.3	520.2	378.0	303.9	288.4	303.9	321.5	333.2	333.2
37.5°	1042.4	966.4	755.9	539.7	381.9	303.9	290.3	309.8	325.4	335.1	337.1
40°	1143.7	1054.0	793.0	545.5	378.0	300.0	290.3	309.8	325.4	331.2	333.2
42.5°	1252.8	1128.1	820.2	539.7	368.2	294.2	288.4	307.8	321.5	323.4	325.4
45°	1361.9	1209.9	828.0	520.2	354.6	286.4	282.5	302.0	313.7	313.7	313.7
47.5°	1480.7	1289.8	828.0	496.8	337.1	278.6	278.6	298.1	305.9	303.9	303.9
50°	1605.4	1365.8	822.2	469.5	321.5	270.8	272.8	294.2	302.0	296.1	296.1
52.5°	1736.0	1447.6	802.7	436.4	303.9	263.0	270.8	292.2	300.0	294.2	294.2
55°	1893.8	1527.5	781.3	405.3	288.4	257.2	268.9	292.2	300.0	294.2	294.2
57.5°	2004.8	1597.6	748.2	376.0	276.7	253.3	268.9	296.1	303.9	300.0	300.0
60°	2133.4	1644.4	705.3	346.8	265.0	249.4	272.8	300.0	311.7	311.7	311.7
62.5°	2203.6	1656.1	660.5	321.5	257.2	247.4	276.7	307.8	323.4	325.4	327.3
65°	2203.6	1605.4	598.1	300.0	249.4	245.5	280.6	317.6	337.1	342.9	344.9
67.5°	2104.2	1500.2	531.9	280.6	241.6	243.5	284.5	327.3	346.8	356.5	356.5
70°	1940.5	1334.6	461.8	261.1	233.8	241.6	286.4	331.2	352.6	362.4	362.4
72.5°	1671.7	1141.7	395.5	245.5	226.0	237.7	284.5	331.2	350.7	358.5	356.5
75°	1354.1	911.8	331.2	228.0	216.3	228.0	274.7	321.5	337.1	341.0	341.0
77.5°	1054.0	695.6	278.6	208.5	202.6	216.3	261.1	302.0	315.6	317.6	315.6
80°	750.1	502.7	233.8	190.9	187.0	198.7	237.7	272.8	284.5	286.4	282.5
82.5°	504.6	360.4	190.9	167.6	167.6	179.2	212.4	239.6	249.4	247.4	245.5
85°	327.3	243.5	155.9	144.2	146.1	157.8	181.2	202.6	208.5	206.5	200.7
87.5°	214.3	171.5	124.7	122.7	124.7	134.4	152.0	163.7	171.5	167.6	165.6
90°	146.1	122.7	101.3	101.3	105.2	113.0	124.7	130.5	132.5	132.5	130.5
92.5°	107.2	95.5	83.8	83.8	89.6	95.5	101.3	103.3	107.2	105.2	103.3
95°	81.8	77.9	70.1	70.1	76.0	81.8	83.8	81.8	85.7	85.7	83.8
97.5°	64.3	64.3	60.4	60.4	64.3	68.2	70.1	68.2	70.1	68.2	68.2
100°	50.7	50.7	52.6	52.6	54.6	58.4	58.4	58.4	58.4	56.5	54.6
102.5°	40.9	42.9	44.8	46.8	48.7	48.7	50.7	48.7	48.7	44.8	44.8
105°	33.1	33.1	37.0	39.0	40.9	42.9	42.9	42.9	40.9	37.0	37.0
107.5°	27.3	29.2	31.2	35.1	35.1	37.0	39.0	37.0	33.1	29.2	31.2
110°	21.4	23.4	27.3	29.2	31.2	33.1	33.1	31.2	27.3	25.3	25.3

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

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