

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: P696028

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5032 lumens
Efficiency: N/A
Efficacy: 69.9 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

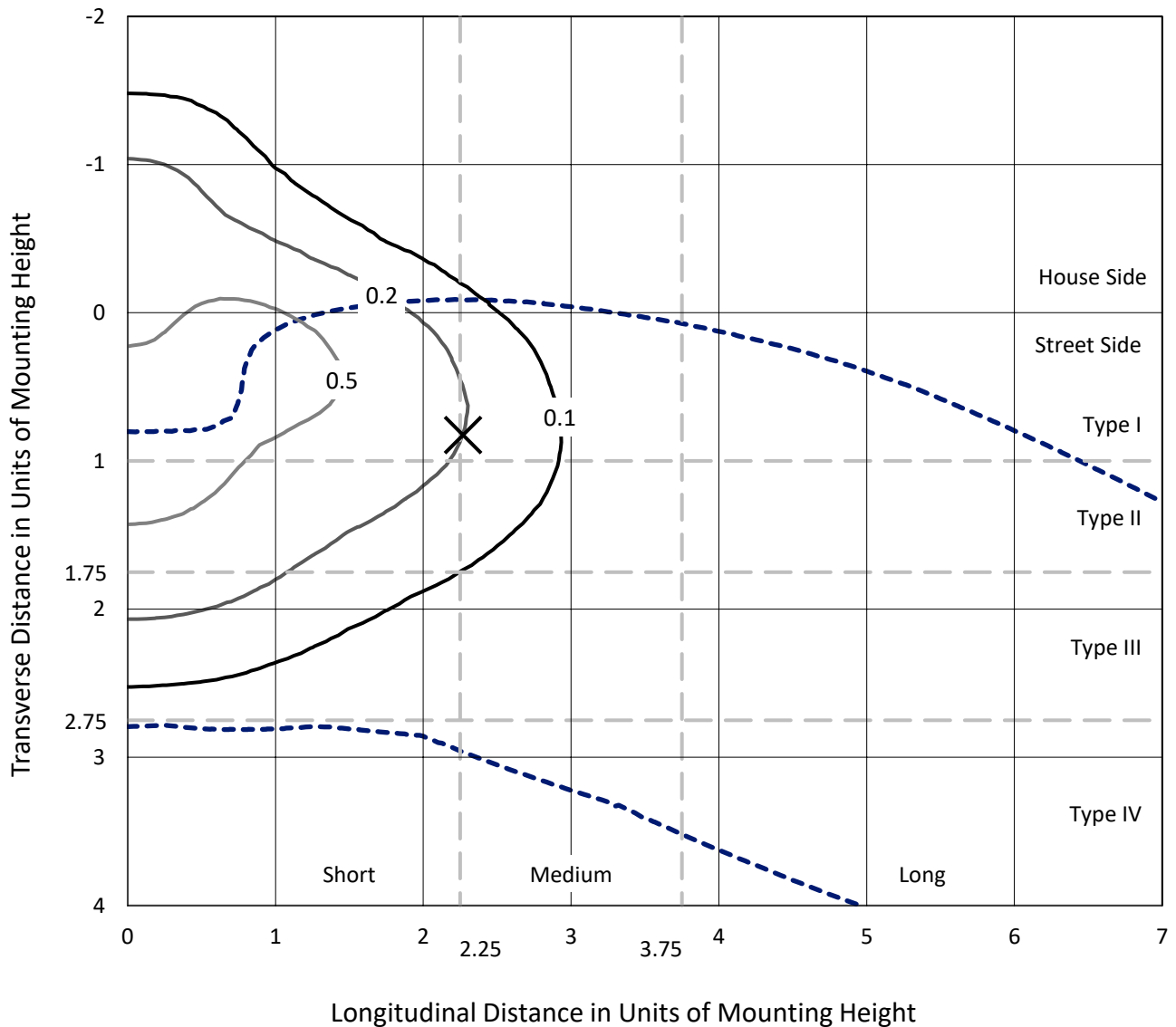
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

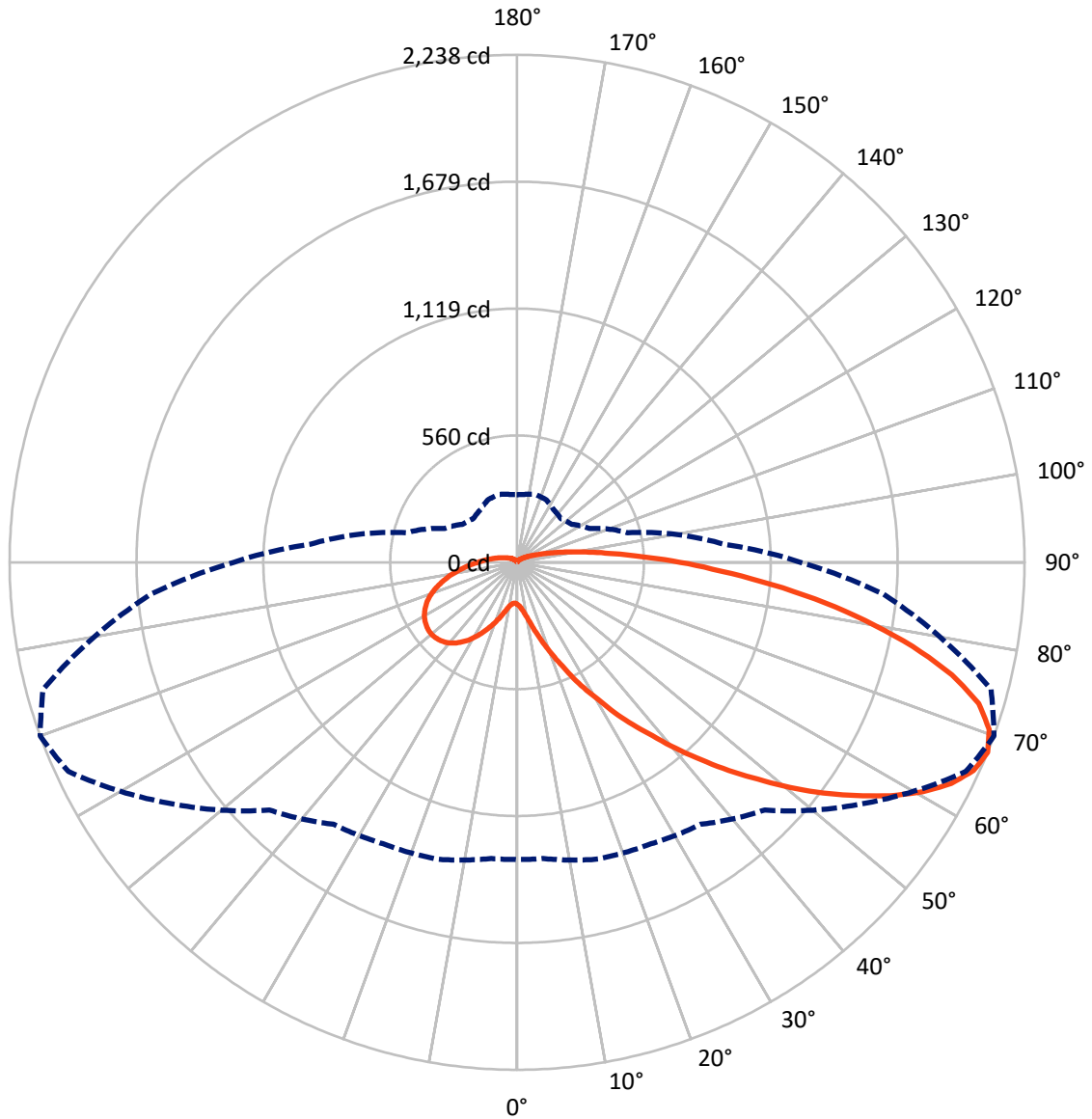
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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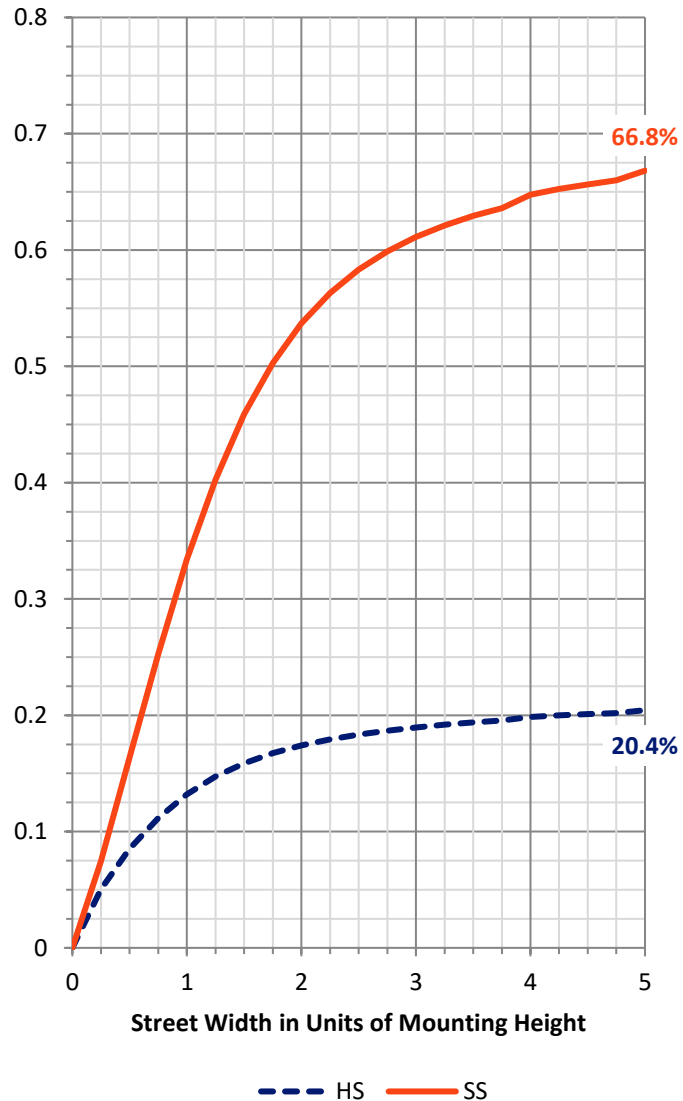
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.8	147.7	1232.5
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3523.0	276.5	3799.5
	% Fixture	70.0	5.5	75.5
Total	Lumens	4607.8	424.2	5032.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.4
10°-20°	79.6	1.6
20°-30°	200.7	4.0
30°-40°	393.2	7.8
40°-50°	640.2	12.7
50°-60°	896.9	17.8
60°-70°	1028.9	20.4
70°-80°	856.4	17.0
80°-90°	492.5	9.8
90°-100°	225.9	4.5
100°-110°	103.4	2.1
110°-120°	50.9	1.0
120°-130°	26.3	0.5
130°-140°	12.8	0.3
140°-150°	4.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4607.8	91.6
0°-180°	5032.0	100.0

Coefficient of Utilization

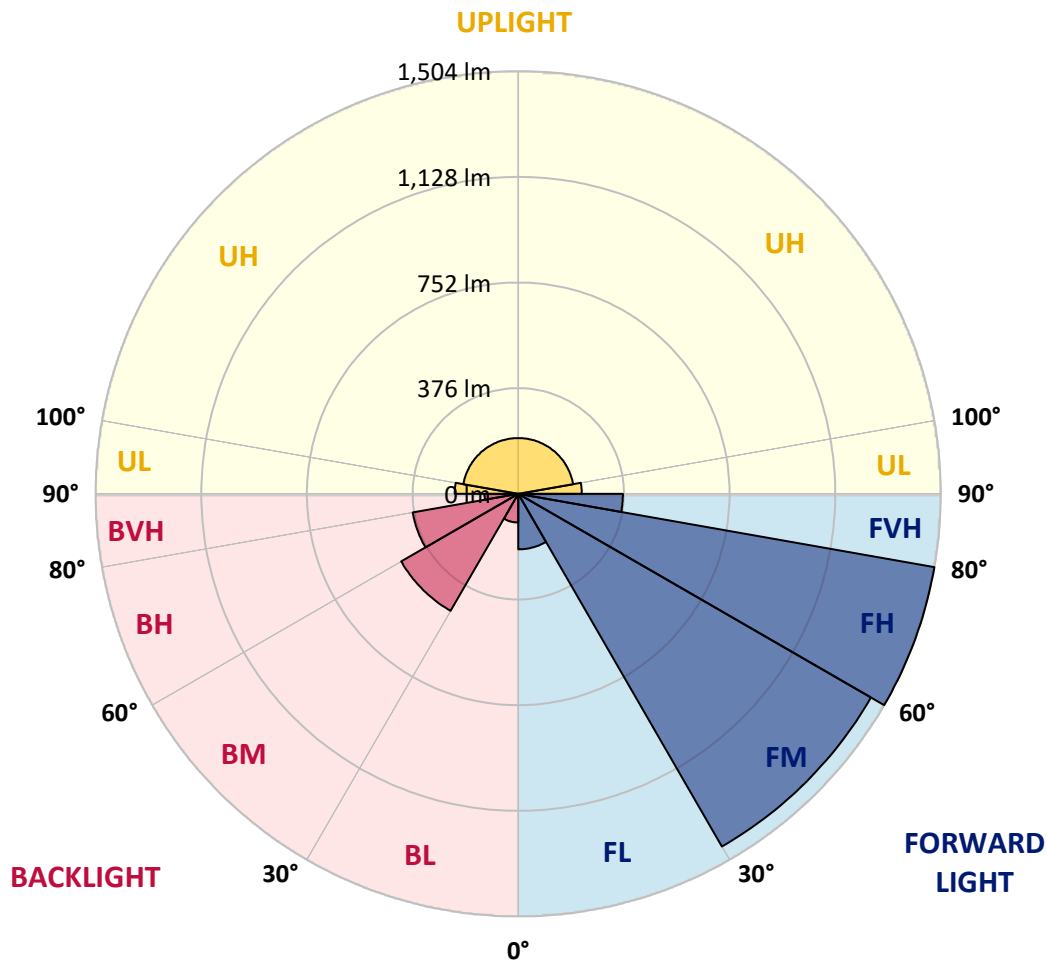


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.6	3.9			
FM (30°-60°)	1449.3	28.8			
FH (60°-80°)	1503.8	29.9			G1/1800
FVH (80°-90°)	372.3	7.4			G3/500
BL (0°-30°)	102.1	2.0	B0/110		
BM (30°-60°)	481.1	9.6	B1/1000		
BH (60°-80°)	381.4	7.6	B1/500		G1/500
BVH (80°-90°)	120.1	2.4			G2/225
UL (90°-100°)	225.9	4.5		U3/500	
UH (100°-180°)	198.3	3.9		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°	70°	75°	85°
0°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	202.6	202.6	202.6	200.6	200.6	196.7	196.7	192.8	192.8	190.9	187.0
5°	227.9	227.9	226.0	226.0	222.1	218.2	214.3	208.4	204.5	202.6	196.7
7.5°	257.1	257.1	255.2	251.3	249.3	243.5	235.7	227.9	224.0	220.1	210.4
10°	292.2	292.2	288.3	286.3	282.4	274.7	266.9	255.2	249.3	243.5	229.9
12.5°	333.1	329.2	329.2	323.4	317.5	311.7	301.9	288.3	282.4	274.7	257.1
15°	375.9	375.9	375.9	370.1	362.3	352.6	344.8	331.1	327.2	315.6	296.1
17.5°	426.6	430.5	424.6	416.9	413.0	403.2	393.5	383.7	374.0	362.3	337.0
20°	488.9	487.0	481.1	473.3	467.5	457.8	451.9	434.4	426.6	414.9	377.9
22.5°	549.3	551.3	545.4	533.7	525.9	520.1	510.4	496.7	485.0	471.4	430.5
25°	629.2	627.2	613.6	596.1	588.3	580.5	574.6	561.0	553.2	541.5	488.9
27.5°	709.0	701.2	691.5	675.9	656.4	642.8	638.9	633.1	627.2	607.7	549.3
30°	792.8	785.0	773.3	748.0	720.7	705.1	705.1	712.9	699.3	683.7	617.5
32.5°	882.4	872.7	857.1	825.9	788.9	771.4	779.2	792.8	790.8	767.5	685.7
35°	972.0	970.1	946.7	907.7	861.0	839.5	851.2	878.5	878.5	861.0	759.7
37.5°	1059.7	1061.6	1040.2	991.5	931.1	907.7	925.3	970.1	970.1	956.4	831.8
40°	1170.7	1166.8	1127.8	1071.3	1005.1	975.9	1011.0	1069.4	1079.1	1053.8	911.6
42.5°	1266.1	1258.3	1227.2	1157.1	1077.2	1042.1	1090.8	1170.7	1190.2	1160.9	993.4
45°	1363.5	1353.8	1316.8	1238.9	1149.3	1108.4	1176.5	1283.7	1309.0	1281.7	1079.1
47.5°	1455.1	1445.3	1412.2	1318.7	1225.2	1188.2	1264.2	1398.6	1429.8	1406.4	1162.9
50°	1538.8	1536.9	1496.0	1398.6	1291.5	1256.4	1355.7	1519.4	1560.3	1525.2	1248.6
52.5°	1610.9	1603.1	1564.2	1470.7	1357.7	1330.4	1449.2	1646.0	1690.8	1655.7	1334.3
55°	1655.7	1651.8	1616.8	1525.2	1418.1	1398.6	1542.7	1760.9	1815.4	1784.3	1414.2
57.5°	1677.1	1671.3	1642.1	1560.3	1462.9	1460.9	1628.4	1879.7	1942.1	1901.2	1496.0
60°	1655.7	1651.8	1632.3	1570.0	1492.1	1509.6	1718.0	1988.8	2055.0	2010.2	1560.3
62.5°	1583.6	1583.6	1581.7	1544.7	1497.9	1550.5	1788.2	2082.3	2148.5	2094.0	1607.0
65°	1470.7	1476.5	1488.2	1480.4	1472.6	1564.2	1834.9	2152.4	2212.8	2148.5	1632.3
67.5°	1310.9	1310.9	1355.7	1373.3	1410.3	1544.7	1856.4	2183.6	2238.1	2164.1	1622.6
70°	1133.7	1133.7	1184.3	1235.0	1316.8	1494.0	1833.0	2166.1	2208.9	2127.1	1579.7
72.5°	948.6	950.6	1011.0	1081.1	1194.1	1406.4	1770.6	2090.1	2129.1	2031.7	1494.0
75°	767.5	783.1	833.7	925.3	1055.8	1289.5	1653.8	1957.6	1981.0	1887.5	1373.3
77.5°	607.7	627.2	687.6	777.2	913.6	1141.5	1496.0	1780.4	1784.3	1694.7	1227.2
80°	481.1	494.8	557.1	640.9	773.3	991.5	1309.0	1560.3	1556.4	1468.7	1051.9
82.5°	379.8	389.6	438.3	520.1	646.7	849.3	1123.9	1309.0	1322.6	1236.9	882.4
85°	292.2	303.9	348.7	420.7	533.7	707.1	929.1	1073.3	1079.1	1003.2	726.6
87.5°	224.0	235.7	276.6	344.8	440.2	580.5	757.7	870.7	861.0	800.6	574.6
90°	173.4	179.2	220.1	276.6	360.4	479.2	609.7	683.7	683.7	625.3	459.7
92.5°	138.3	140.2	177.3	227.9	298.0	389.6	490.9	537.6	524.0	490.9	362.3
95°	109.1	113.0	142.2	187.0	245.4	319.5	387.6	420.7	409.1	377.9	284.4
97.5°	87.7	91.6	116.9	155.8	204.5	261.0	311.7	327.2	321.4	300.0	226.0
100°	72.1	74.0	95.4	132.5	171.4	216.2	249.3	259.1	247.4	233.7	177.3
102.5°	60.4	62.3	81.8	111.0	146.1	177.3	202.6	206.5	196.7	181.2	142.2
105°	50.6	52.6	68.2	95.4	122.7	150.0	165.6	163.6	153.9	142.2	114.9
107.5°	44.8	44.8	58.4	81.8	107.1	124.7	136.4	132.5	122.7	111.0	93.5
110°	39.0	39.0	48.7	70.1	91.6	107.1	113.0	107.1	97.4	89.6	76.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	35.1	35.1	42.9	60.4	77.9	91.6	93.5	85.7	79.9	74.0	62.3
115°	31.2	33.1	37.0	50.6	66.2	77.9	77.9	72.1	66.2	60.4	54.5
117.5°	29.2	29.2	33.1	44.8	58.4	66.2	66.2	60.4	54.5	50.6	46.7
120°	27.3	27.3	31.2	39.0	50.6	56.5	56.5	50.6	46.7	42.9	40.9
122.5°	25.3	25.3	27.3	33.1	42.9	48.7	48.7	42.9	39.0	37.0	35.1
125°	23.4	23.4	25.3	29.2	37.0	40.9	40.9	35.1	33.1	31.2	31.2
127.5°	21.4	21.4	23.4	25.3	31.2	35.1	33.1	29.2	27.3	27.3	27.3
130°	19.5	19.5	21.4	23.4	27.3	29.2	27.3	25.3	23.4	23.4	23.4
132.5°	19.5	19.5	19.5	19.5	21.4	23.4	23.4	21.4	19.5	21.4	21.4
135°	17.5	17.5	17.5	17.5	17.5	19.5	17.5	17.5	17.5	17.5	17.5
137.5°	15.6	15.6	15.6	15.6	15.6	15.6	13.6	13.6	13.6	15.6	15.6
140°	13.6	13.6	13.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.6
142.5°	11.7	11.7	11.7	9.7	9.7	7.8	7.8	7.8	9.7	9.7	11.7
145°	9.7	9.7	9.7	7.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	5.8	5.8	5.8	3.9	3.9	1.9	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°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	187.0	185.1	183.1	179.2	177.3	177.3	177.3	175.3	175.3	173.4	173.4
5°	192.8	190.9	183.1	177.3	173.4	169.5	165.6	163.6	161.7	159.7	159.7
7.5°	204.5	200.6	190.9	181.2	173.4	165.6	159.7	155.8	153.9	151.9	151.9
10°	222.1	216.2	200.6	187.0	175.3	165.6	157.8	153.9	150.0	148.0	148.0
12.5°	247.4	239.6	218.2	198.7	183.1	169.5	161.7	155.8	151.9	150.0	150.0
15°	282.4	268.8	241.5	216.2	194.8	177.3	167.5	163.6	161.7	161.7	161.7
17.5°	319.5	300.0	268.8	235.7	210.4	190.9	181.2	177.3	175.3	175.3	175.3
20°	360.4	338.9	296.1	257.1	226.0	208.4	196.7	192.8	190.9	190.9	190.9
22.5°	405.2	381.8	325.3	276.6	245.4	226.0	214.3	208.4	210.4	210.4	210.4
25°	455.8	422.7	356.5	300.0	263.0	243.5	231.8	226.0	229.9	231.8	231.8
27.5°	512.3	467.5	385.7	321.4	282.4	259.1	249.3	245.4	251.3	253.2	255.2
30°	566.8	516.2	414.9	344.8	298.0	274.7	264.9	266.9	270.8	274.7	278.5
32.5°	627.2	561.0	446.1	364.3	313.6	286.3	280.5	286.3	294.1	298.0	300.0
35°	685.7	607.7	469.4	381.8	325.3	298.0	294.1	303.9	313.6	321.4	321.4
37.5°	744.1	650.6	494.8	395.4	335.0	305.8	305.8	319.5	331.1	340.9	340.9
40°	804.5	697.3	516.2	407.1	342.8	313.6	315.6	333.1	348.7	354.5	356.5
42.5°	866.8	736.3	533.7	414.9	346.7	319.5	323.4	344.8	360.4	366.2	368.2
45°	927.2	777.2	547.4	418.8	350.6	321.4	327.2	352.6	368.2	374.0	374.0
47.5°	983.7	812.3	557.1	420.7	350.6	321.4	331.1	356.5	374.0	375.9	375.9
50°	1044.1	847.3	564.9	420.7	348.7	321.4	331.1	358.4	374.0	374.0	374.0
52.5°	1102.5	878.5	568.8	416.9	344.8	319.5	329.2	356.5	372.0	368.2	368.2
55°	1157.1	903.8	566.8	411.0	338.9	313.6	325.3	352.6	366.2	360.4	360.4
57.5°	1201.9	925.3	562.9	403.2	333.1	307.8	319.5	346.7	358.4	350.6	348.7
60°	1240.8	938.9	555.2	393.5	323.4	300.0	313.6	338.9	348.7	338.9	337.0
62.5°	1262.2	944.7	543.5	379.8	315.6	292.2	303.9	329.2	337.0	325.3	325.3
65°	1270.0	936.9	525.9	366.2	303.9	284.4	294.1	317.5	323.4	313.6	311.7
67.5°	1250.6	915.5	504.5	352.6	292.2	272.7	282.4	303.9	309.7	300.0	298.0
70°	1209.6	874.6	477.2	333.1	278.5	261.0	268.8	286.3	294.1	286.3	284.4
72.5°	1133.7	824.0	446.1	313.6	263.0	247.4	255.2	270.8	278.5	270.8	268.8
75°	1044.1	757.7	411.0	292.2	247.4	233.7	239.6	251.3	259.1	255.2	251.3
77.5°	925.3	677.9	374.0	270.8	231.8	218.2	222.1	233.7	239.6	235.7	235.7
80°	800.6	590.2	337.0	247.4	216.2	204.5	204.5	214.3	220.1	218.2	214.3
82.5°	679.8	504.5	298.0	224.0	196.7	187.0	188.9	192.8	200.6	196.7	194.8
85°	559.0	428.5	261.0	202.6	179.2	171.4	171.4	173.4	179.2	177.3	175.3
87.5°	457.8	352.6	227.9	179.2	161.7	155.8	151.9	155.8	155.8	155.8	151.9
90°	372.0	292.2	196.7	159.7	148.0	140.2	136.4	136.4	136.4	134.4	132.5
92.5°	296.1	241.5	171.4	142.2	132.5	126.6	122.7	120.8	118.8	114.9	114.9
95°	243.5	198.7	148.0	124.7	118.8	113.0	109.1	107.1	103.2	99.3	97.4
97.5°	192.8	165.6	126.6	111.0	105.2	101.3	97.4	93.5	87.7	83.8	81.8
100°	153.9	134.4	109.1	97.4	93.5	89.6	85.7	81.8	76.0	70.1	68.2
102.5°	126.6	113.0	93.5	87.7	83.8	79.9	77.9	72.1	64.3	58.4	58.4
105°	103.2	93.5	81.8	76.0	74.0	72.1	68.2	62.3	54.5	48.7	48.7
107.5°	85.7	79.9	70.1	68.2	66.2	64.3	60.4	54.5	46.7	40.9	40.9
110°	72.1	66.2	60.4	58.4	58.4	56.5	54.5	46.7	40.9	35.1	35.1

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.4	56.5	54.5	52.6	52.6	50.6	48.7	40.9	35.1	31.2	31.2
115°	50.6	48.7	46.7	46.7	46.7	44.8	42.9	37.0	29.2	27.3	27.3
117.5°	44.8	42.9	40.9	40.9	40.9	40.9	37.0	31.2	25.3	23.4	23.4
120°	39.0	39.0	37.0	37.0	37.0	35.1	33.1	27.3	21.4	21.4	21.4
122.5°	35.1	33.1	33.1	33.1	33.1	31.2	27.3	23.4	19.5	19.5	19.5
125°	31.2	29.2	29.2	29.2	29.2	27.3	23.4	19.5	17.5	17.5	17.5
127.5°	27.3	27.3	25.3	25.3	25.3	23.4	21.4	17.5	15.6	15.6	15.6
130°	23.4	23.4	23.4	23.4	21.4	19.5	17.5	15.6	13.6	13.6	13.6
132.5°	21.4	21.4	19.5	19.5	19.5	17.5	15.6	13.6	11.7	13.6	13.6
135°	17.5	17.5	17.5	17.5	15.6	13.6	13.6	11.7	11.7	11.7	11.7
137.5°	15.6	15.6	15.6	13.6	13.6	11.7	11.7	9.7	9.7	9.7	11.7
140°	13.6	13.6	11.7	11.7	9.7	9.7	9.7	7.8	9.7	9.7	9.7
142.5°	11.7	11.7	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	1.9	1.9	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)