

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: P696043

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5262 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

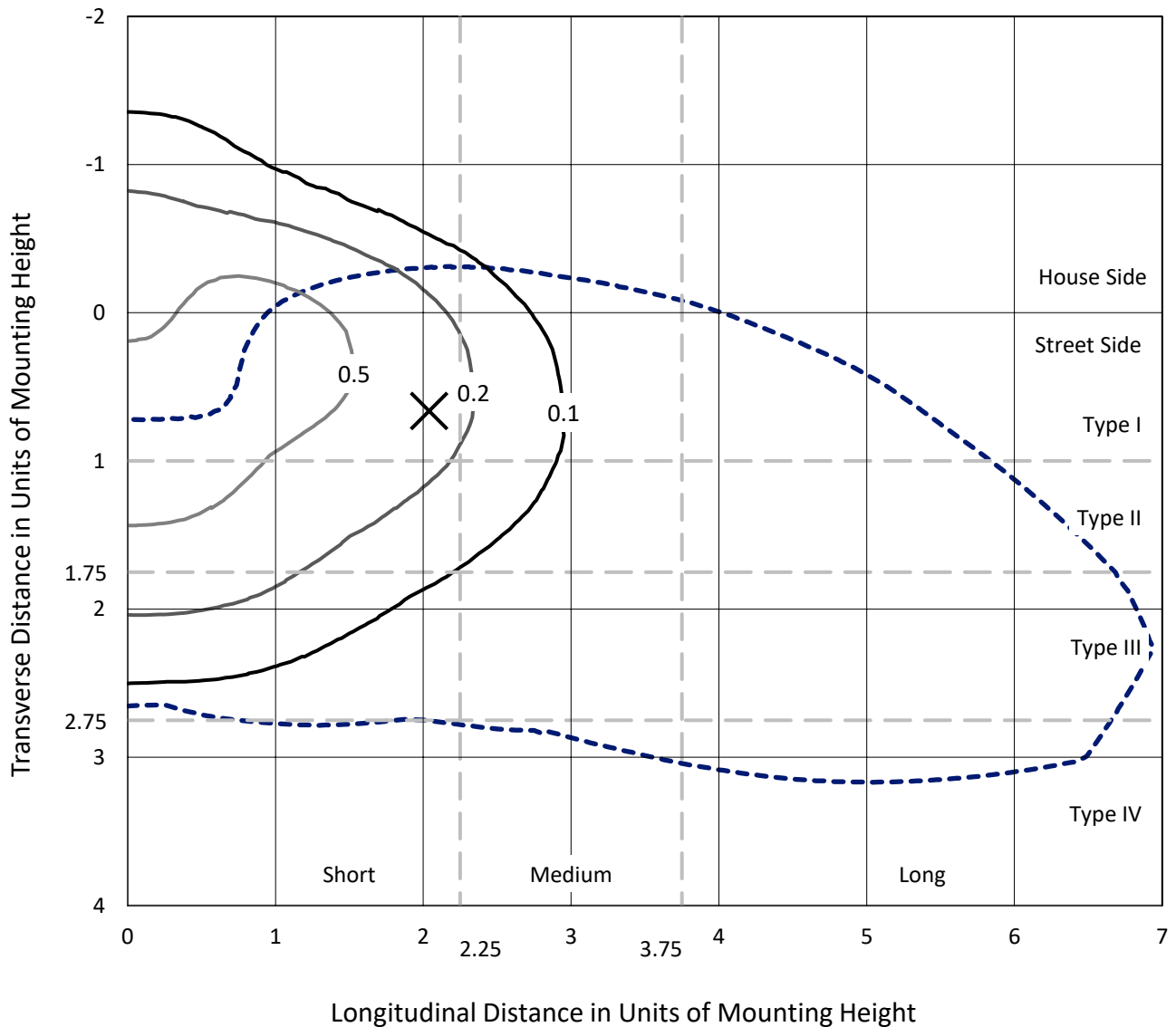
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

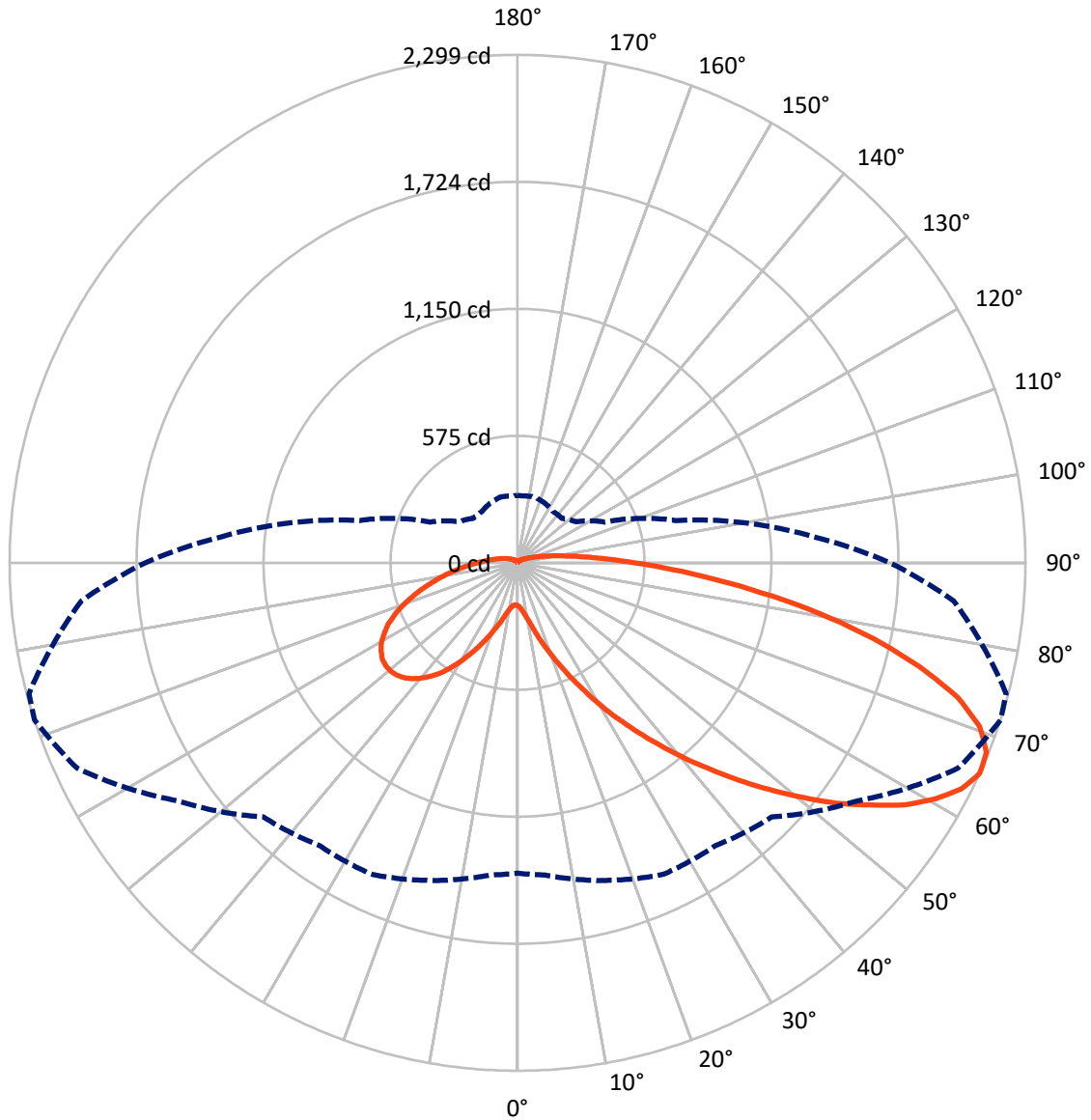
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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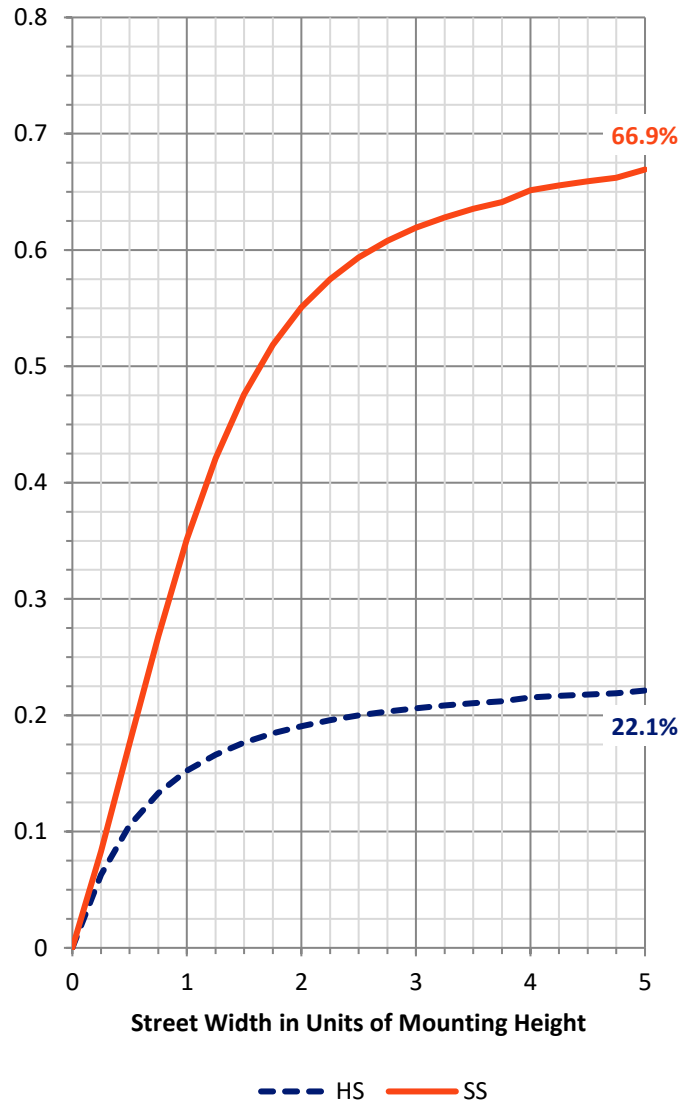
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.7	155.5	1385.2
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	3656.7	220.1	3876.8
	% Fixture	69.5	4.2	73.7
Total	Lumens	4886.4	375.6	5262.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.4
10°-20°	85.6	1.6
20°-30°	220.4	4.2
30°-40°	438.4	8.3
40°-50°	713.7	13.6
50°-60°	988.0	18.8
60°-70°	1103.8	21.0
70°-80°	864.2	16.4
80°-90°	451.9	8.6
90°-100°	196.6	3.7
100°-110°	90.6	1.7
110°-120°	46.2	0.9
120°-130°	24.8	0.5
130°-140°	12.4	0.2
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4886.4	92.9
0°-180°	5262.0	100.0

Coefficient of Utilization



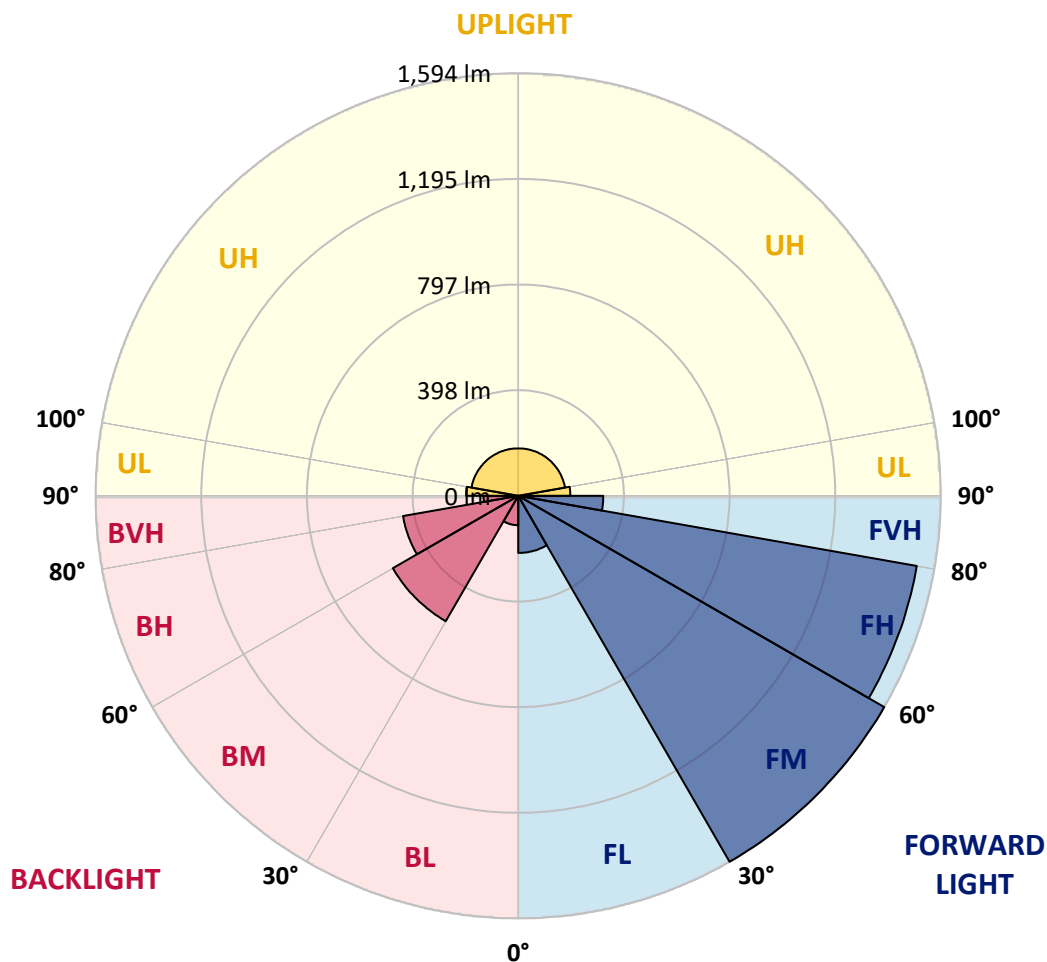
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.5	4.1			
FM (30°-60°)	1594.0	30.3			
FH (60°-80°)	1526.6	29.0			G1/1800
FVH (80°-90°)	320.7	6.1			G3/500
BL (0°-30°)	110.9	2.1	B1/500		
BM (30°-60°)	546.2	10.4	B1/1000		
BH (60°-80°)	441.4	8.4	B1/500		G1/500
BVH (80°-90°)	131.2	2.5			G2/225
UL (90°-100°)	196.6	3.7		U3/500	
UH (100°-180°)	179.0	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	210.4	212.4	212.4	210.4	210.4	208.5	206.5	202.6	200.7	200.7	196.8
5°	237.7	239.7	237.7	235.8	233.8	228.0	226.0	220.2	216.3	214.3	206.5
7.5°	272.8	272.8	270.8	266.9	263.0	259.1	249.4	241.6	235.8	231.9	222.1
10°	309.8	309.8	307.9	305.9	300.1	290.3	280.6	270.8	261.1	259.1	245.5
12.5°	360.5	356.6	352.7	346.8	341.0	331.2	317.6	305.9	296.2	294.2	278.6
15°	411.1	413.1	405.3	395.5	387.7	376.0	364.4	354.6	342.9	339.0	317.6
17.5°	469.6	471.5	465.7	457.9	444.2	432.6	417.0	403.3	395.5	387.7	362.4
20°	541.7	541.7	535.8	520.2	506.6	493.0	479.3	463.7	450.1	444.2	417.0
22.5°	617.7	615.7	607.9	588.4	570.9	553.4	541.7	526.1	516.3	508.5	477.4
25°	709.2	703.4	691.7	668.3	644.9	623.5	606.0	600.1	586.5	578.7	549.5
27.5°	798.9	802.8	783.3	752.1	719.0	697.5	682.0	674.2	664.4	660.5	623.5
30°	909.9	902.1	880.7	841.7	795.0	765.7	757.9	756.0	756.0	748.2	709.2
32.5°	1013.2	1005.4	982.0	935.2	878.7	841.7	835.9	841.7	845.6	843.7	795.0
35°	1118.4	1110.6	1083.3	1032.7	956.7	913.8	913.8	937.2	943.0	939.1	890.4
37.5°	1217.8	1213.9	1186.6	1118.4	1046.3	993.7	1001.5	1038.5	1048.3	1046.3	984.0
40°	1313.2	1313.2	1286.0	1211.9	1124.2	1071.6	1085.3	1141.8	1161.3	1159.3	1091.1
42.5°	1410.7	1406.8	1381.4	1309.3	1208.0	1149.6	1174.9	1245.0	1276.2	1280.1	1198.3
45°	1494.4	1490.5	1471.1	1391.2	1289.9	1229.5	1266.5	1362.0	1402.9	1400.9	1303.5
47.5°	1566.5	1564.6	1550.9	1476.9	1369.7	1313.2	1365.8	1482.8	1533.4	1533.4	1422.4
50°	1625.0	1626.9	1617.2	1556.8	1443.8	1393.1	1465.2	1605.5	1667.9	1667.9	1535.4
52.5°	1662.0	1665.9	1669.8	1613.3	1513.9	1467.2	1560.7	1734.1	1808.1	1806.2	1650.3
55°	1673.7	1677.6	1697.1	1662.0	1570.4	1535.4	1656.2	1858.8	1934.8	1928.9	1755.5
57.5°	1654.2	1662.0	1695.1	1683.4	1609.4	1589.9	1736.0	1966.0	2067.3	2061.4	1853.0
60°	1605.5	1615.2	1662.0	1675.6	1625.0	1626.9	1810.1	2073.1	2170.5	2166.7	1928.9
62.5°	1519.8	1535.4	1595.8	1632.8	1611.4	1642.5	1858.8	2155.0	2254.3	2248.5	1973.8
65°	1404.8	1418.5	1488.6	1556.8	1562.6	1626.9	1878.3	2199.8	2299.1	2289.4	1981.6
67.5°	1268.4	1262.6	1352.2	1439.9	1475.0	1570.4	1853.0	2193.9	2289.4	2271.9	1932.8
70°	1100.9	1100.9	1192.4	1280.1	1354.2	1482.8	1782.8	2131.6	2219.3	2193.9	1839.3
72.5°	904.1	925.5	1005.4	1108.7	1200.2	1356.1	1673.7	2008.8	2082.9	2053.6	1681.5
75°	740.4	757.9	828.1	931.3	1036.6	1210.0	1512.0	1831.5	1880.2	1851.0	1488.6
77.5°	594.3	602.1	678.1	765.7	874.8	1032.7	1319.1	1609.4	1644.5	1613.3	1270.4
80°	457.9	477.4	530.0	613.8	719.0	872.9	1118.4	1350.3	1383.4	1348.3	1038.5
82.5°	360.5	366.3	415.0	494.9	584.5	715.1	919.7	1097.0	1112.6	1071.6	837.8
85°	278.6	282.5	323.4	391.6	469.6	574.8	734.6	863.2	867.1	843.7	654.7
87.5°	212.4	220.2	257.2	311.7	378.0	469.6	578.7	668.3	662.5	644.9	510.5
90°	167.6	171.5	198.7	247.5	302.0	370.2	452.0	510.5	498.8	491.0	385.8
92.5°	132.5	134.4	163.7	200.7	245.5	300.1	354.6	393.6	378.0	372.1	294.2
95°	105.2	109.1	130.5	163.7	200.7	241.6	278.6	298.1	288.4	278.6	228.0
97.5°	85.7	87.7	107.2	134.4	165.6	196.8	222.1	229.9	220.2	216.3	177.3
100°	72.1	72.1	89.6	113.0	136.4	161.7	177.3	181.2	173.4	163.7	136.4
102.5°	60.4	60.4	74.0	95.5	116.9	134.4	144.2	144.2	134.4	128.6	109.1
105°	50.7	52.6	62.3	81.8	99.4	113.0	120.8	115.0	107.2	103.3	87.7
107.5°	44.8	44.8	54.6	70.1	85.7	95.5	99.4	93.5	85.7	79.9	70.1
110°	40.9	40.9	46.8	60.4	74.0	83.8	83.8	77.9	68.2	64.3	58.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	35.1	37.0	40.9	52.6	64.3	72.1	72.1	64.3	56.5	52.6	48.7
115°	33.1	33.1	37.0	46.8	56.5	62.3	62.3	54.6	46.8	44.8	40.9
117.5°	29.2	29.2	33.1	40.9	48.7	54.6	52.6	46.8	39.0	37.0	35.1
120°	27.3	27.3	29.2	35.1	42.9	46.8	44.8	39.0	33.1	31.2	31.2
122.5°	25.3	25.3	27.3	31.2	39.0	40.9	39.0	33.1	29.2	27.3	29.2
125°	23.4	23.4	25.3	29.2	33.1	35.1	33.1	27.3	25.3	25.3	25.3
127.5°	23.4	23.4	23.4	25.3	29.2	31.2	29.2	23.4	21.4	21.4	23.4
130°	21.4	21.4	21.4	23.4	25.3	27.3	23.4	19.5	19.5	19.5	19.5
132.5°	19.5	19.5	19.5	19.5	21.4	21.4	19.5	17.5	17.5	17.5	17.5
135°	17.5	17.5	17.5	17.5	17.5	17.5	15.6	13.6	15.6	15.6	15.6
137.5°	15.6	15.6	15.6	15.6	15.6	13.6	13.6	11.7	13.6	13.6	13.6
140°	13.6	13.6	13.6	13.6	11.7	11.7	9.7	9.7	9.7	11.7	11.7
142.5°	11.7	11.7	11.7	11.7	9.7	7.8	7.8	7.8	9.7	9.7	9.7
145°	9.7	9.7	9.7	7.8	7.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.8	5.8	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°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	194.8	194.8	190.9	189.0	187.0	185.1	183.2	181.2	181.2	181.2	181.2
5°	204.6	198.7	192.9	187.0	181.2	177.3	171.5	169.5	167.6	165.6	165.6
7.5°	216.3	212.4	200.7	190.9	181.2	173.4	167.6	161.7	157.8	155.9	155.9
10°	237.7	229.9	216.3	200.7	187.0	175.4	165.6	157.8	153.9	152.0	152.0
12.5°	268.9	257.2	237.7	216.3	196.8	181.2	169.5	159.8	153.9	153.9	152.0
15°	305.9	292.3	266.9	239.7	212.4	190.9	177.3	169.5	163.7	161.7	161.7
17.5°	348.8	335.1	302.0	265.0	235.8	208.5	190.9	181.2	175.4	171.5	171.5
20°	401.4	381.9	339.0	296.2	257.2	231.9	206.5	194.8	187.0	183.2	181.2
22.5°	457.9	436.4	383.8	329.3	284.5	251.3	224.1	206.5	196.8	194.8	192.9
25°	526.1	494.9	430.6	364.4	311.7	270.8	239.7	218.2	210.4	206.5	206.5
27.5°	598.2	561.1	481.3	401.4	337.1	286.4	251.3	229.9	222.1	220.2	218.2
30°	674.2	631.3	533.9	442.3	360.5	302.0	265.0	243.6	233.8	231.9	231.9
32.5°	757.9	707.3	586.5	473.5	378.0	311.7	272.8	253.3	243.6	243.6	243.6
35°	839.8	781.3	641.0	506.6	393.6	319.5	280.6	263.0	253.3	255.2	255.2
37.5°	927.5	863.2	687.8	530.0	405.3	325.4	284.5	270.8	265.0	265.0	265.0
40°	1022.9	931.3	730.7	547.5	409.2	327.3	288.4	276.7	272.8	272.8	274.7
42.5°	1114.5	1011.2	767.7	561.1	411.1	327.3	290.3	282.5	280.6	280.6	280.6
45°	1206.1	1081.4	800.8	565.0	409.2	325.4	292.3	286.4	286.4	286.4	286.4
47.5°	1305.4	1151.5	824.2	563.1	403.3	321.5	292.3	288.4	292.3	290.3	290.3
50°	1393.1	1217.8	839.8	557.3	395.5	317.6	290.3	292.3	296.2	294.2	294.2
52.5°	1484.7	1276.2	847.6	543.6	383.8	311.7	290.3	294.2	298.1	296.2	296.2
55°	1566.5	1326.9	847.6	528.0	374.1	307.9	290.3	296.2	302.0	300.1	300.1
57.5°	1632.8	1362.0	833.9	506.6	360.5	302.0	288.4	296.2	304.0	302.0	302.0
60°	1683.4	1381.4	814.4	485.2	348.8	296.2	286.4	296.2	305.9	302.0	304.0
62.5°	1704.9	1379.5	779.4	459.8	337.1	290.3	284.5	296.2	305.9	304.0	304.0
65°	1685.4	1346.4	740.4	436.4	323.4	284.5	282.5	296.2	307.9	304.0	304.0
67.5°	1628.9	1282.1	689.7	407.2	309.8	278.6	278.6	294.2	305.9	302.0	302.0
70°	1525.6	1188.5	631.3	381.9	296.2	270.8	272.8	288.4	300.1	300.1	298.1
72.5°	1387.3	1067.7	567.0	352.7	282.5	261.1	265.0	282.5	292.3	292.3	290.3
75°	1225.6	927.5	502.7	325.4	266.9	251.3	255.2	270.8	282.5	280.6	278.6
77.5°	1032.7	785.2	440.3	296.2	249.4	237.7	243.6	259.1	268.9	265.0	263.0
80°	855.4	660.5	383.8	266.9	231.9	224.1	229.9	241.6	249.4	247.5	245.5
82.5°	683.9	533.9	325.4	239.7	214.3	208.5	214.3	224.1	229.9	228.0	224.1
85°	531.9	432.6	278.6	212.4	194.8	190.9	196.8	204.6	208.5	204.6	202.6
87.5°	418.9	339.0	231.9	187.0	175.4	173.4	177.3	185.1	189.0	185.1	179.3
90°	327.3	272.8	196.8	165.6	157.8	157.8	159.8	165.6	165.6	161.7	159.8
92.5°	255.2	218.2	165.6	144.2	140.3	140.3	144.2	146.1	146.1	140.3	138.3
95°	200.7	175.4	140.3	126.6	124.7	124.7	128.6	128.6	126.6	120.8	118.9
97.5°	157.8	142.2	120.8	111.1	109.1	111.1	113.0	113.0	109.1	103.3	101.3
100°	126.6	116.9	101.3	97.4	97.4	99.4	99.4	97.4	93.5	87.7	87.7
102.5°	103.3	95.5	87.7	85.7	85.7	87.7	87.7	85.7	81.8	74.0	74.0
105°	83.8	77.9	74.0	74.0	76.0	76.0	76.0	74.0	68.2	62.3	62.3
107.5°	68.2	66.2	64.3	64.3	66.2	68.2	68.2	64.3	58.5	54.6	54.6
110°	56.5	56.5	56.5	56.5	58.5	60.4	60.4	56.5	50.7	46.8	46.8

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.7	46.8	48.7	50.7	52.6	54.6	52.6	48.7	42.9	40.9	40.9
115°	40.9	40.9	42.9	44.8	46.8	46.8	46.8	42.9	37.0	35.1	35.1
117.5°	37.0	37.0	37.0	39.0	40.9	42.9	40.9	37.0	31.2	31.2	31.2
120°	31.2	31.2	33.1	35.1	37.0	37.0	35.1	31.2	27.3	27.3	27.3
122.5°	29.2	29.2	29.2	31.2	33.1	33.1	31.2	27.3	23.4	25.3	25.3
125°	25.3	25.3	25.3	27.3	29.2	29.2	27.3	23.4	21.4	21.4	21.4
127.5°	23.4	23.4	23.4	23.4	25.3	25.3	23.4	21.4	19.5	19.5	19.5
130°	21.4	21.4	21.4	21.4	21.4	21.4	19.5	17.5	17.5	17.5	17.5
132.5°	17.5	17.5	17.5	17.5	19.5	19.5	17.5	15.6	15.6	15.6	15.6
135°	15.6	15.6	15.6	15.6	15.6	15.6	13.6	13.6	13.6	13.6	13.6
137.5°	13.6	13.6	13.6	13.6	13.6	13.6	11.7	11.7	11.7	11.7	11.7
140°	11.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	11.7	11.7
142.5°	9.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7	9.7
145°	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8	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	7.8	7.8
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)