

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: P695778

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4775 lumens
Efficiency: N/A
Efficacy: 77.0 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

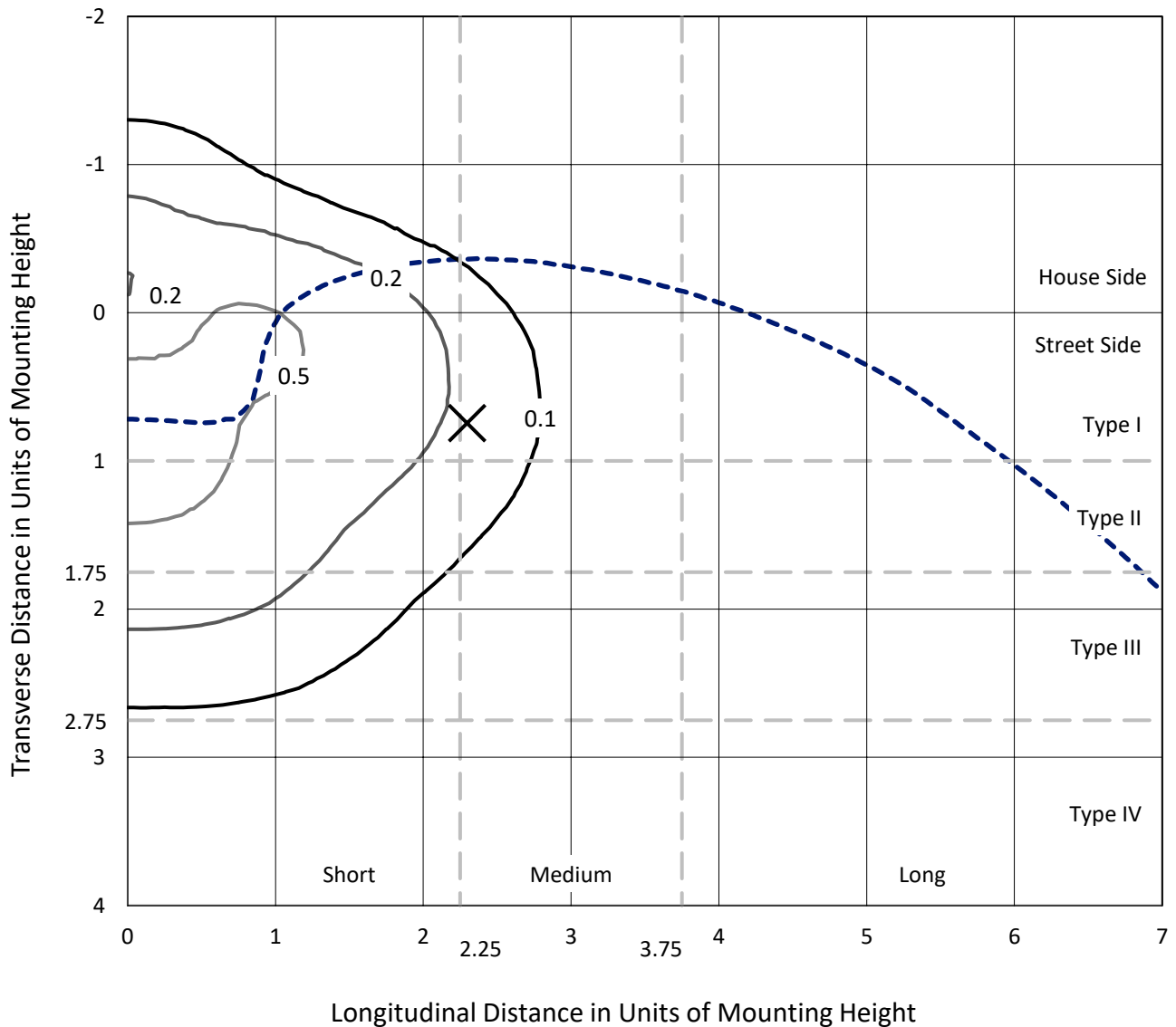
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

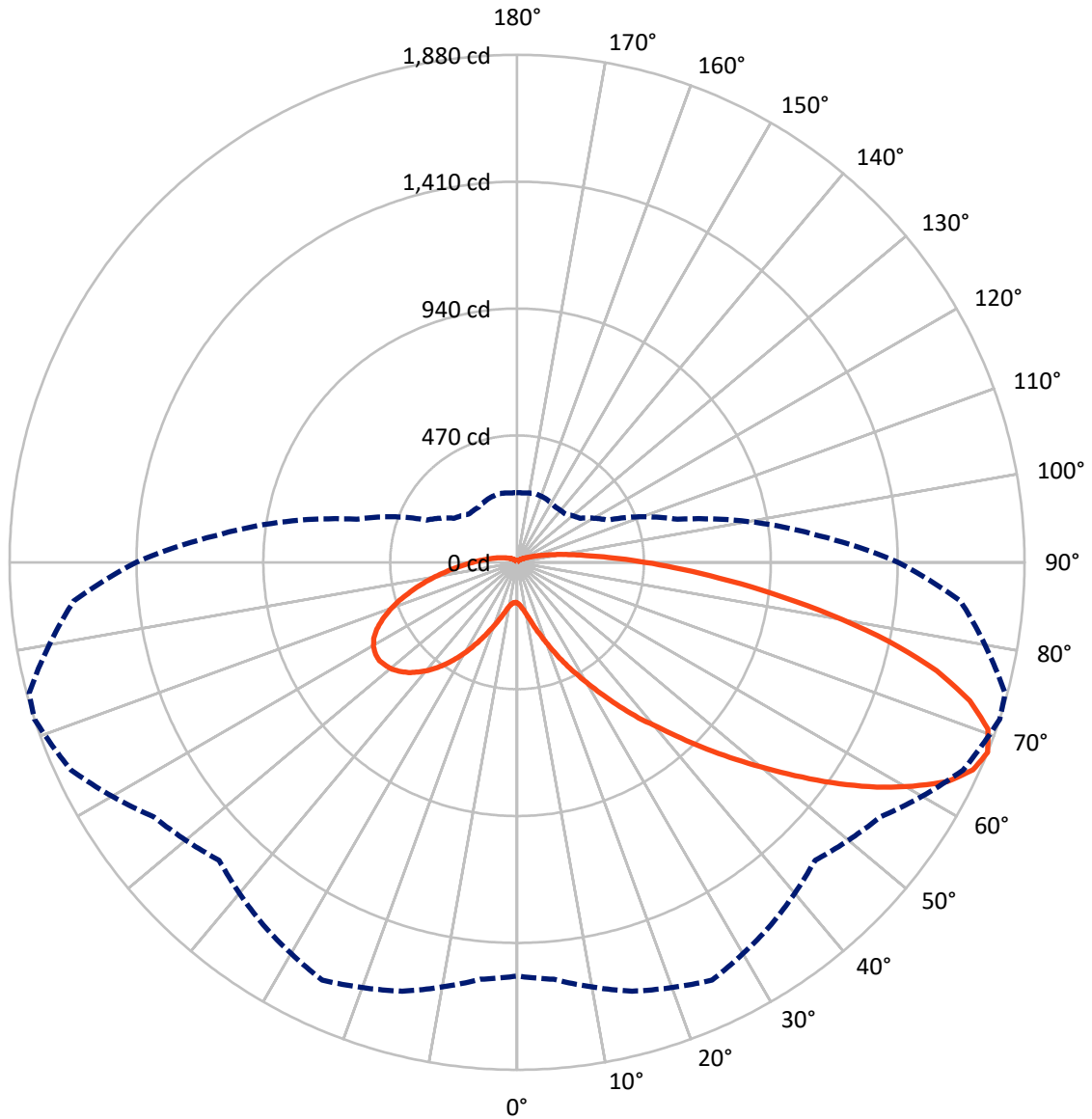
✕ Max cd
 - - - 1/2 Max cd



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

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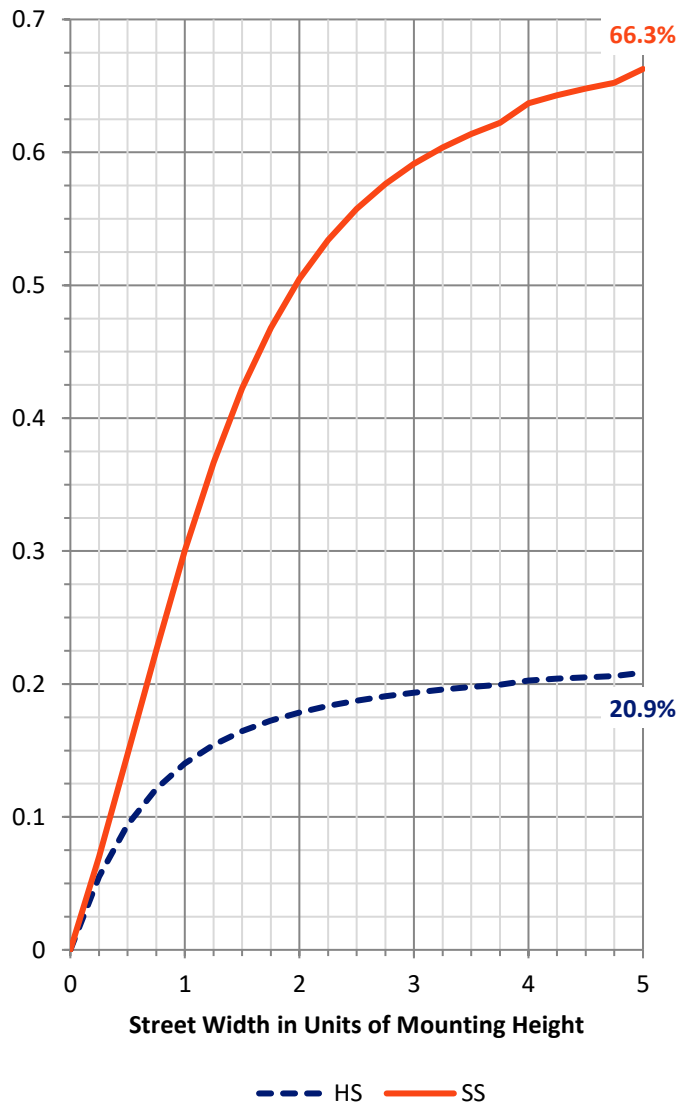
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.8	141.3	1196.1
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3343.2	235.7	3578.9
	% Fixture	70.0	4.9	75.0
Total	Lumens	4398.0	377.0	4775.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.3
10°-20°	65.5	1.4
20°-30°	167.7	3.5
30°-40°	336.8	7.1
40°-50°	567.0	11.9
50°-60°	837.5	17.5
60°-70°	1031.9	21.6
70°-80°	890.9	18.7
80°-90°	484.7	10.2
90°-100°	206.0	4.3
100°-110°	90.3	1.9
110°-120°	43.5	0.9
120°-130°	22.2	0.5
130°-140°	10.8	0.2
140°-150°	4.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4398.0	92.1
0°-180°	4775.0	100.0

Coefficient of Utilization

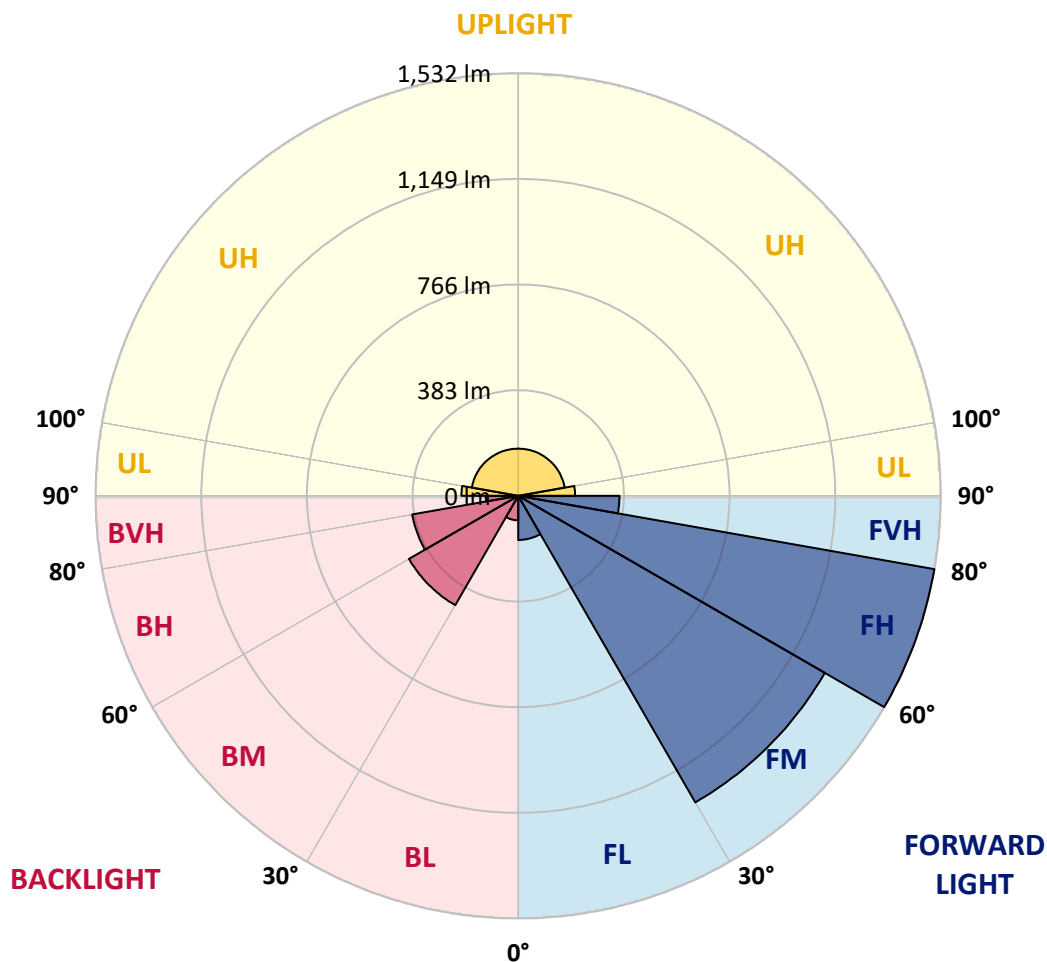


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.1	3.4			
FM (30°-60°)	1283.8	26.9			
FH (60°-80°)	1532.5	32.1			G1/1800
FVH (80°-90°)	366.9	7.7			G3/500
BL (0°-30°)	88.9	1.9	B0/110		
BM (30°-60°)	457.6	9.6	B1/1000		
BH (60°-80°)	390.4	8.2	B1/500		G1/500
BVH (80°-90°)	117.9	2.5			G2/225
UL (90°-100°)	206.0	4.3		U3/500	
UH (100°-180°)	171.0	3.6		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°	72°	75°	85°
0°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	164.9	164.9	164.9	163.1	161.4	161.4	159.6	157.9	156.1	154.4	152.6
5°	184.2	184.2	182.4	182.4	178.9	177.2	173.7	168.4	166.6	164.9	159.6
7.5°	208.7	208.7	205.2	205.2	200.0	196.5	191.2	184.2	178.9	177.2	170.2
10°	236.8	235.1	235.1	229.8	224.5	221.0	212.2	203.5	198.2	194.7	185.9
12.5°	273.6	271.9	268.4	263.1	256.1	247.3	238.6	229.8	221.0	217.5	207.0
15°	314.0	314.0	310.5	301.7	292.9	280.7	270.1	259.6	252.6	249.1	235.1
17.5°	361.3	359.6	356.1	345.6	331.5	319.3	307.0	294.7	285.9	282.4	266.6
20°	419.2	417.5	407.0	391.2	378.9	361.3	345.6	331.5	324.5	321.0	303.5
22.5°	482.4	478.9	468.4	449.1	424.5	407.0	389.4	375.4	368.4	363.1	347.3
25°	554.3	549.0	535.0	505.2	477.1	452.6	435.0	421.0	417.5	414.0	392.9
27.5°	633.2	629.7	610.4	573.6	535.0	506.9	484.1	475.4	468.4	464.8	442.0
30°	724.5	719.2	689.4	647.3	596.4	556.1	535.0	529.7	524.5	526.2	505.2
32.5°	813.9	813.9	777.1	720.9	657.8	610.4	585.9	589.4	587.6	587.6	563.1
35°	910.4	912.1	866.5	805.1	722.7	668.3	643.8	652.5	656.0	654.3	629.7
37.5°	1012.1	1008.6	963.0	885.8	791.1	724.5	703.4	715.7	731.5	726.2	703.4
40°	1124.4	1117.4	1073.5	973.5	866.5	785.8	766.6	791.1	801.6	808.7	777.1
42.5°	1226.1	1222.6	1171.8	1068.3	942.0	850.8	829.7	863.0	891.1	892.8	861.3
45°	1326.1	1319.1	1277.0	1161.2	1015.6	924.4	906.9	954.2	987.6	991.1	956.0
47.5°	1417.3	1417.3	1370.0	1256.0	1106.9	998.1	985.8	1049.0	1091.1	1094.6	1056.0
50°	1512.1	1508.5	1468.2	1352.4	1192.8	1078.8	1073.5	1154.2	1201.6	1206.8	1156.0
52.5°	1582.2	1582.2	1555.9	1447.2	1275.2	1157.7	1166.5	1261.2	1322.6	1336.6	1270.0
55°	1643.6	1645.4	1627.8	1529.6	1370.0	1243.7	1256.0	1375.2	1448.9	1468.2	1384.0
57.5°	1684.0	1685.7	1691.0	1613.8	1452.4	1322.6	1354.2	1496.3	1571.7	1587.5	1492.8
60°	1699.7	1705.0	1729.6	1678.7	1526.1	1405.1	1447.2	1605.0	1684.0	1701.5	1580.5
62.5°	1684.0	1692.7	1741.8	1724.3	1592.7	1475.2	1531.4	1705.0	1789.2	1796.2	1650.6
65°	1636.6	1647.1	1713.8	1734.8	1631.3	1531.4	1605.0	1782.2	1855.9	1857.6	1673.4
67.5°	1533.1	1550.6	1645.4	1708.5	1640.1	1561.2	1643.6	1822.5	1880.4	1871.7	1648.9
70°	1406.8	1420.8	1529.6	1631.3	1608.5	1555.9	1648.9	1813.8	1850.6	1829.6	1566.4
72.5°	1231.4	1247.2	1375.2	1508.5	1527.8	1513.8	1605.0	1754.1	1754.1	1722.5	1438.4
75°	1041.9	1071.8	1185.8	1343.7	1413.8	1420.8	1519.1	1631.3	1606.8	1561.2	1257.7
77.5°	857.8	868.3	980.6	1156.0	1247.2	1289.3	1377.0	1452.4	1408.6	1354.2	1066.5
80°	682.4	691.1	792.9	954.2	1070.0	1141.9	1213.9	1238.4	1177.0	1122.6	870.0
82.5°	529.7	540.3	631.5	773.6	889.3	961.3	1020.9	1026.2	954.2	905.1	692.9
85°	398.2	408.7	485.9	612.2	720.9	796.4	833.2	829.7	750.8	710.4	536.8
87.5°	308.7	307.0	370.1	470.1	571.8	631.5	659.6	636.7	582.4	547.3	412.2
90°	229.8	236.8	285.9	366.6	445.5	496.4	519.2	492.9	447.3	419.2	317.5
92.5°	177.2	180.7	224.5	285.9	352.6	396.4	412.2	382.4	338.5	322.8	243.8
95°	138.6	142.1	173.7	224.5	273.6	307.0	315.7	292.9	257.9	245.6	189.4
97.5°	112.3	114.0	136.8	178.9	217.5	243.8	247.3	224.5	201.7	187.7	149.1
100°	89.5	89.5	110.5	142.1	171.9	193.0	191.2	177.2	157.9	147.3	115.8
102.5°	73.7	73.7	89.5	117.5	140.3	156.1	156.1	138.6	122.8	114.0	91.2
105°	61.4	61.4	73.7	94.7	115.8	128.1	126.3	112.3	96.5	89.5	71.9
107.5°	52.6	52.6	61.4	78.9	94.7	105.2	103.5	89.5	77.2	71.9	59.6
110°	45.6	45.6	52.6	66.7	80.7	87.7	86.0	71.9	61.4	57.9	49.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	38.6	40.3	43.9	56.1	68.4	75.4	71.9	59.6	49.1	45.6	42.1
115°	35.1	35.1	38.6	47.4	57.9	63.1	59.6	49.1	40.3	38.6	35.1
117.5°	31.6	31.6	35.1	42.1	50.9	54.4	50.9	40.3	35.1	31.6	29.8
120°	28.1	28.1	29.8	36.8	42.1	45.6	42.1	33.3	28.1	28.1	26.3
122.5°	26.3	26.3	28.1	31.6	36.8	38.6	35.1	28.1	24.6	24.6	24.6
125°	22.8	24.6	24.6	28.1	31.6	33.3	29.8	24.6	21.0	21.0	21.0
127.5°	21.0	21.0	22.8	24.6	26.3	28.1	24.6	21.0	19.3	17.5	19.3
130°	19.3	19.3	19.3	21.0	22.8	22.8	21.0	17.5	15.8	15.8	17.5
132.5°	17.5	17.5	17.5	17.5	19.3	19.3	17.5	14.0	14.0	14.0	15.8
135°	15.8	15.8	15.8	15.8	15.8	15.8	14.0	12.3	12.3	12.3	14.0
137.5°	14.0	14.0	14.0	14.0	12.3	12.3	10.5	10.5	10.5	10.5	12.3
140°	12.3	12.3	12.3	10.5	10.5	8.8	8.8	8.8	8.8	8.8	10.5
142.5°	10.5	10.5	10.5	8.8	7.0	7.0	7.0	7.0	7.0	7.0	8.8
145°	8.8	8.8	7.0	7.0	5.3	5.3	5.3	5.3	5.3	5.3	7.0
147.5°	7.0	7.0	5.3	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	5.3	5.3	3.5	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5
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°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	152.6	150.9	149.1	147.3	145.6	145.6	143.8	142.1	142.1	142.1	140.3
5°	157.9	154.4	150.9	147.3	142.1	140.3	136.8	135.1	133.3	131.6	131.6
7.5°	166.6	163.1	156.1	149.1	143.8	138.6	133.3	129.8	128.1	126.3	126.3
10°	180.7	175.4	164.9	156.1	147.3	140.3	135.1	129.8	128.1	126.3	124.5
12.5°	200.0	194.7	180.7	166.6	156.1	145.6	138.6	133.3	129.8	128.1	128.1
15°	228.0	219.3	201.7	184.2	168.4	156.1	147.3	142.1	140.3	138.6	138.6
17.5°	257.9	245.6	226.3	203.5	185.9	170.2	159.6	156.1	152.6	150.9	150.9
20°	292.9	278.9	254.3	226.3	203.5	187.7	175.4	168.4	164.9	163.1	163.1
22.5°	331.5	319.3	284.2	252.6	224.5	207.0	189.4	180.7	177.2	175.4	177.2
25°	377.1	359.6	319.3	280.7	247.3	222.8	205.2	193.0	191.2	189.4	191.2
27.5°	428.0	405.2	357.8	307.0	268.4	238.6	219.3	207.0	205.2	203.5	205.2
30°	482.4	461.3	398.2	338.5	289.4	252.6	231.5	221.0	217.5	219.3	217.5
32.5°	542.0	508.7	438.5	366.6	307.0	263.1	240.3	231.5	231.5	233.3	233.3
35°	606.9	570.1	478.9	392.9	321.0	273.6	249.1	242.1	242.1	245.6	245.6
37.5°	671.8	628.0	519.2	414.0	331.5	278.9	256.1	250.8	250.8	256.1	256.1
40°	742.0	689.4	556.1	433.3	340.3	284.2	259.6	257.9	259.6	264.9	264.9
42.5°	817.4	749.0	589.4	447.3	343.8	285.9	263.1	263.1	266.6	270.1	271.9
45°	896.4	813.9	622.7	456.1	345.6	285.9	264.9	264.9	271.9	275.4	275.4
47.5°	982.3	878.8	649.0	461.3	343.8	284.2	264.9	268.4	273.6	277.2	277.2
50°	1075.3	949.0	673.6	461.3	340.3	282.4	264.9	268.4	275.4	277.2	277.2
52.5°	1166.5	1017.4	689.4	456.1	335.0	278.9	263.1	268.4	275.4	275.4	275.4
55°	1263.0	1082.3	703.4	449.1	328.0	275.4	261.4	268.4	273.6	273.6	273.6
57.5°	1340.2	1134.9	705.2	438.5	321.0	271.9	259.6	266.6	271.9	270.1	270.1
60°	1406.8	1171.8	699.9	424.5	312.2	266.6	257.9	264.9	270.1	266.6	266.6
62.5°	1450.7	1187.5	684.1	408.7	303.5	263.1	256.1	263.1	268.4	264.9	264.9
65°	1452.4	1171.8	654.3	391.2	292.9	257.9	252.6	261.4	266.6	261.4	261.4
67.5°	1412.1	1124.4	615.7	370.1	284.2	252.6	249.1	257.9	263.1	257.9	257.9
70°	1326.1	1045.5	568.3	349.1	271.9	247.3	245.6	254.3	257.9	252.6	250.8
72.5°	1201.6	940.2	515.7	324.5	259.6	238.6	238.6	247.3	250.8	245.6	243.8
75°	1040.2	819.2	457.8	298.2	245.6	229.8	231.5	238.6	242.1	236.8	233.3
77.5°	875.3	696.4	401.7	275.4	231.5	219.3	221.0	229.8	231.5	226.3	222.8
80°	710.4	566.6	345.6	249.1	215.8	208.7	210.5	215.8	217.5	212.2	208.7
82.5°	570.1	461.3	292.9	224.5	200.0	194.7	198.2	201.7	201.7	196.5	193.0
85°	449.1	366.6	249.1	198.2	182.4	180.7	184.2	185.9	184.2	178.9	175.4
87.5°	347.3	291.2	208.7	173.7	164.9	166.6	168.4	168.4	166.6	163.1	157.9
90°	270.1	231.5	175.4	152.6	149.1	150.9	152.6	152.6	149.1	143.8	140.3
92.5°	214.0	187.7	147.3	133.3	133.3	136.8	136.8	136.8	131.6	126.3	124.5
95°	166.6	149.1	124.5	117.5	117.5	121.0	122.8	121.0	115.8	110.5	108.8
97.5°	133.3	121.0	107.0	101.7	105.2	108.8	108.8	105.2	100.0	96.5	94.7
100°	107.0	98.2	89.5	89.5	93.0	96.5	96.5	93.0	87.7	80.7	80.7
102.5°	86.0	82.4	77.2	78.9	80.7	84.2	84.2	80.7	73.7	68.4	68.4
105°	70.2	68.4	66.7	68.4	71.9	73.7	73.7	70.2	63.1	57.9	57.9
107.5°	57.9	56.1	56.1	59.6	63.1	64.9	64.9	59.6	54.4	49.1	50.9
110°	49.1	47.4	47.4	50.9	54.4	56.1	56.1	52.6	45.6	42.1	43.9

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.3	40.3	42.1	45.6	49.1	50.9	49.1	43.9	38.6	36.8	36.8
115°	35.1	35.1	36.8	40.3	42.1	43.9	42.1	38.6	33.3	31.6	31.6
117.5°	29.8	29.8	31.6	35.1	36.8	38.6	36.8	33.3	28.1	28.1	28.1
120°	26.3	26.3	28.1	31.6	33.3	33.3	31.6	28.1	24.6	24.6	24.6
122.5°	24.6	24.6	24.6	26.3	28.1	29.8	28.1	24.6	21.0	21.0	21.0
125°	21.0	21.0	22.8	24.6	24.6	24.6	22.8	21.0	19.3	19.3	19.3
127.5°	19.3	19.3	19.3	21.0	22.8	21.0	19.3	17.5	15.8	17.5	17.5
130°	17.5	17.5	17.5	17.5	19.3	19.3	17.5	15.8	14.0	14.0	14.0
132.5°	15.8	15.8	15.8	15.8	15.8	15.8	14.0	12.3	12.3	14.0	14.0
135°	14.0	14.0	14.0	14.0	14.0	14.0	12.3	10.5	10.5	12.3	12.3
137.5°	12.3	12.3	12.3	10.5	12.3	10.5	10.5	10.5	10.5	10.5	10.5
140°	10.5	10.5	10.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
142.5°	8.8	8.8	8.8	7.0	7.0	7.0	7.0	7.0	7.0	8.8	8.8
145°	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
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)