

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: P695774

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695774
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-PA16-60-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 4817 lumens
Efficiency: N/A
Efficacy: 77.7 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 - G2

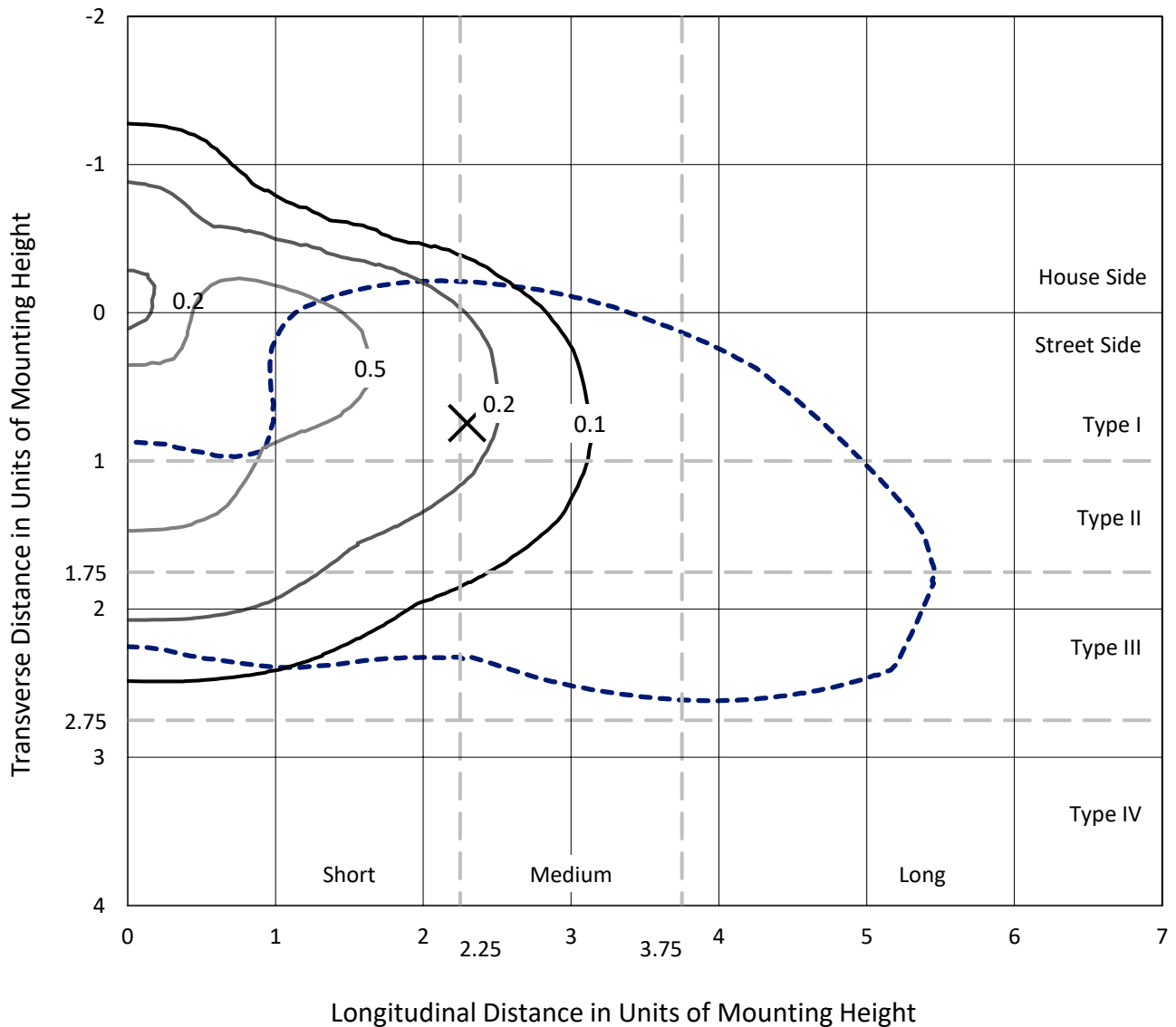
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

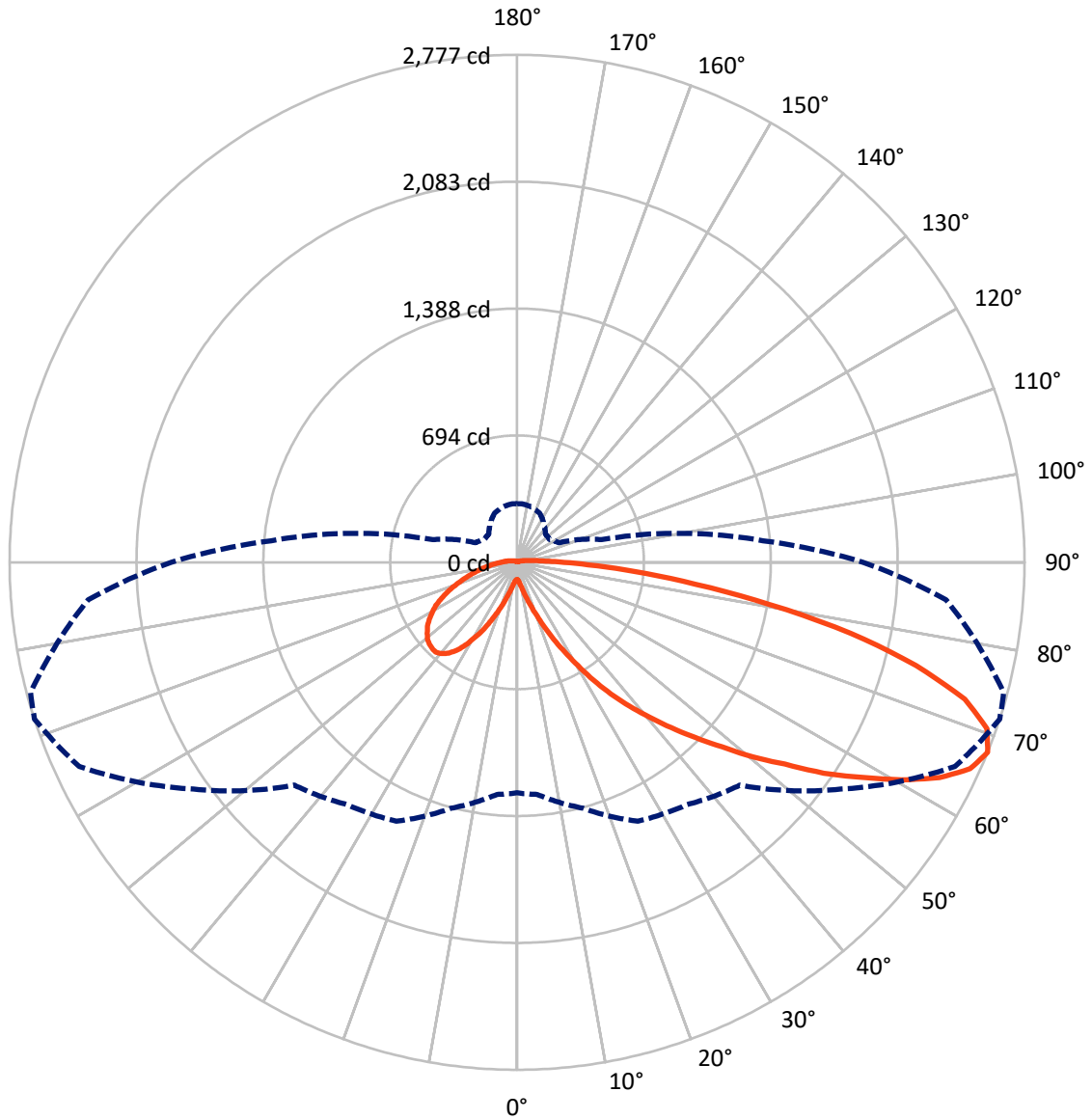
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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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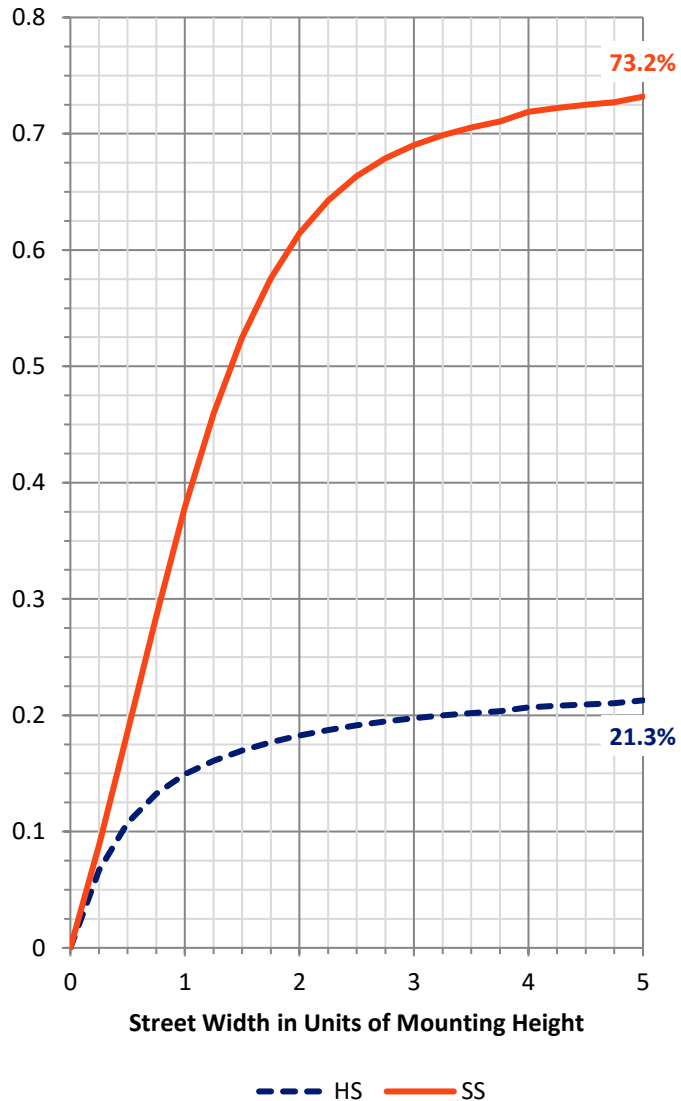
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1076.0	80.8	1156.8
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3585.8	74.4	3660.3
	% Fixture	74.4	1.5	76.0
Total	Lumens	4661.8	155.2	4817.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.2
10°-20°	56.8	1.2
20°-30°	182.4	3.8
30°-40°	407.8	8.5
40°-50°	679.8	14.1
50°-60°	989.5	20.5
60°-70°	1185.9	24.6
70°-80°	851.4	17.7
80°-90°	297.5	6.2
90°-100°	81.4	1.7
100°-110°	34.9	0.7
110°-120°	18.0	0.4
120°-130°	10.7	0.2
130°-140°	6.6	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4661.8	96.8
0°-180°	4817.0	100.0

Coefficient of Utilization

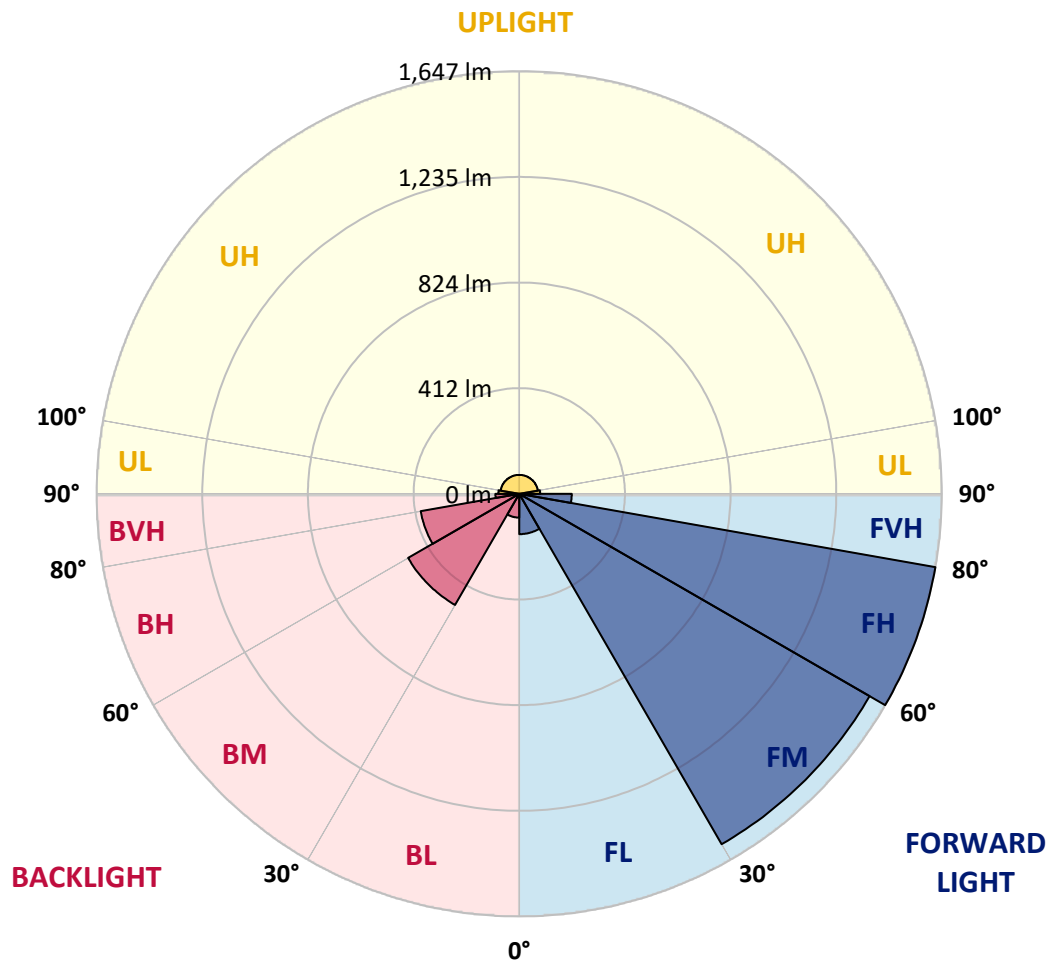


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.2	3.3			
FM (30°-60°)	1576.9	32.7			
FH (60°-80°)	1647.2	34.2			G1/1800
FVH (80°-90°)	204.5	4.2			G2/225
BL (0°-30°)	92.8	1.9	B0/110		
BM (30°-60°)	500.1	10.4	B1/1000		
BH (60°-80°)	390.1	8.1	B1/500		G1/500
BVH (80°-90°)	93.0	1.9			G1/100
UL (90°-100°)	81.4	1.7		U3/500	
UH (100°-180°)	73.8	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	100.0	100.0	100.0	101.7	100.0	100.0	100.0	98.2	98.2	98.2	96.5
5°	115.8	115.8	114.0	114.0	112.3	112.3	110.5	108.8	107.0	105.3	103.5
7.5°	135.1	135.1	133.3	133.3	131.6	128.1	126.3	122.8	121.0	119.3	117.5
10°	164.9	163.1	163.1	161.4	157.9	154.4	150.9	145.6	142.1	140.3	136.8
12.5°	203.5	201.7	200.0	193.0	189.5	184.2	178.9	175.4	171.9	168.4	163.1
15°	252.6	250.9	245.6	240.3	228.0	222.8	215.8	214.0	210.5	208.8	200.0
17.5°	312.3	307.0	303.5	291.2	278.9	266.6	263.1	259.6	257.9	256.1	250.9
20°	385.9	380.7	373.6	350.8	336.8	322.8	314.0	315.8	314.0	314.0	308.7
22.5°	475.4	477.1	457.9	428.0	396.5	378.9	375.4	380.7	384.2	387.7	377.2
25°	584.2	582.4	552.6	512.2	471.9	447.3	443.8	454.3	466.6	473.6	464.9
27.5°	705.2	696.4	666.6	607.0	556.1	519.2	521.0	543.8	556.1	561.3	554.3
30°	831.5	828.0	784.1	712.2	638.5	592.9	599.9	633.3	656.1	668.4	650.8
32.5°	968.3	957.8	906.9	822.7	726.2	670.1	685.9	733.3	770.1	771.9	763.1
35°	1098.1	1098.1	1038.5	936.8	817.5	750.8	770.1	847.3	884.1	894.7	875.4
37.5°	1226.2	1217.4	1166.6	1040.3	908.7	829.7	856.1	947.3	998.2	1008.7	984.1
40°	1333.2	1331.5	1273.6	1154.3	991.1	906.9	942.0	1054.3	1113.9	1131.5	1091.1
42.5°	1442.0	1435.0	1389.3	1254.3	1089.4	985.9	1033.2	1170.1	1236.7	1247.2	1205.1
45°	1522.7	1517.4	1484.1	1359.5	1182.3	1070.1	1129.7	1285.8	1368.3	1378.8	1313.9
47.5°	1599.8	1599.8	1571.8	1468.3	1278.8	1164.8	1240.2	1422.7	1508.6	1526.2	1452.5
50°	1675.3	1668.3	1661.2	1571.8	1377.1	1270.1	1349.0	1566.5	1673.5	1691.1	1589.3
52.5°	1719.1	1729.7	1738.4	1677.0	1487.6	1370.0	1480.6	1722.6	1834.9	1859.5	1749.0
55°	1759.5	1754.2	1794.6	1754.2	1582.3	1480.6	1627.9	1901.6	2036.6	2045.4	1920.9
57.5°	1757.7	1763.0	1822.6	1826.1	1675.3	1582.3	1766.5	2078.7	2219.1	2248.9	2078.7
60°	1715.6	1729.7	1806.8	1843.7	1749.0	1673.5	1910.3	2264.7	2417.3	2447.1	2234.9
62.5°	1629.7	1634.9	1745.4	1826.1	1770.0	1743.7	2038.4	2436.6	2594.5	2592.7	2354.2
65°	1468.3	1477.1	1594.6	1726.2	1731.4	1761.2	2126.1	2576.9	2724.3	2713.8	2392.8
67.5°	1261.3	1275.3	1392.8	1563.0	1619.1	1724.4	2163.0	2643.6	2776.9	2755.9	2355.9
70°	1001.7	1036.7	1129.7	1308.6	1452.5	1606.9	2113.8	2626.1	2727.8	2699.7	2205.1
72.5°	736.8	752.6	850.8	1026.2	1203.4	1433.2	1954.2	2480.5	2562.9	2496.3	1968.2
75°	517.5	522.8	605.2	756.1	947.3	1196.4	1713.9	2198.0	2255.9	2191.0	1641.9
77.5°	319.3	329.8	394.7	519.2	696.4	954.3	1394.6	1831.4	1868.2	1784.0	1280.6
80°	196.5	203.5	249.1	343.8	484.2	696.4	1078.8	1391.1	1403.4	1345.5	915.7
82.5°	126.3	133.3	163.1	221.0	322.8	485.9	759.6	991.1	984.1	922.7	617.5
85°	82.4	87.7	107.0	147.4	214.0	335.1	507.0	657.8	642.0	596.4	401.7
87.5°	54.4	57.9	75.4	103.5	147.4	222.8	326.3	398.2	389.4	359.6	250.9
90°	36.8	38.6	52.6	71.9	103.5	152.6	210.5	240.3	224.5	212.3	163.1
92.5°	26.3	29.8	38.6	54.4	78.9	108.8	136.8	149.1	140.3	135.1	110.5
95°	21.1	21.1	31.6	43.9	61.4	82.4	96.5	96.5	91.2	89.5	80.7
97.5°	17.5	17.5	26.3	36.8	50.9	64.9	70.2	68.4	64.9	66.7	61.4
100°	14.0	15.8	22.8	31.6	42.1	52.6	54.4	50.9	49.1	49.1	47.4
102.5°	12.3	14.0	21.1	28.1	36.8	43.9	45.6	42.1	38.6	38.6	36.8
105°	12.3	12.3	17.5	24.6	31.6	36.8	36.8	33.3	31.6	29.8	28.1
107.5°	10.5	10.5	15.8	22.8	28.1	31.6	31.6	28.1	24.6	24.6	22.8
110°	8.8	10.5	14.0	19.3	24.6	28.1	28.1	24.6	21.1	19.3	19.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.8	8.8	12.3	17.5	21.1	24.6	22.8	19.3	17.5	15.8	15.8
115°	8.8	8.8	10.5	15.8	19.3	21.1	21.1	17.5	14.0	14.0	14.0
117.5°	8.8	8.8	10.5	14.0	17.5	19.3	17.5	15.8	12.3	12.3	12.3
120°	8.8	8.8	10.5	12.3	15.8	17.5	15.8	14.0	10.5	10.5	12.3
122.5°	7.0	8.8	8.8	12.3	14.0	15.8	14.0	12.3	10.5	10.5	10.5
125°	7.0	8.8	8.8	10.5	12.3	14.0	12.3	10.5	8.8	8.8	10.5
127.5°	7.0	7.0	8.8	10.5	12.3	12.3	12.3	10.5	8.8	8.8	10.5
130°	7.0	8.8	8.8	8.8	10.5	12.3	10.5	8.8	8.8	8.8	8.8
132.5°	7.0	7.0	8.8	8.8	10.5	10.5	8.8	8.8	7.0	7.0	8.8
135°	7.0	7.0	7.0	8.8	8.8	8.8	8.8	7.0	7.0	7.0	8.8
137.5°	7.0	7.0	7.0	7.0	8.8	8.8	7.0	7.0	7.0	7.0	7.0
140°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.3	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	5.3	7.0	5.3	5.3	5.3	5.3	5.3	7.0
145°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	94.7	94.7	94.7	93.0	93.0	93.0	91.2	91.2	91.2	91.2	91.2
5°	103.5	101.7	100.0	98.2	94.7	94.7	93.0	93.0	91.2	91.2	91.2
7.5°	115.8	114.0	110.5	107.0	103.5	100.0	98.2	96.5	94.7	94.7	94.7
10°	133.3	131.6	124.5	119.3	114.0	110.5	107.0	105.3	103.5	101.7	101.7
12.5°	159.6	157.9	149.1	138.6	129.8	122.8	117.5	115.8	114.0	112.3	114.0
15°	196.5	193.0	180.7	163.1	150.9	138.6	133.3	131.6	133.3	133.3	131.6
17.5°	245.6	236.8	217.5	194.7	175.4	159.6	152.6	152.6	152.6	154.4	154.4
20°	301.7	293.0	264.9	233.3	201.7	182.4	173.7	173.7	175.4	177.2	180.7
22.5°	368.4	354.4	317.5	271.9	231.6	205.2	194.7	194.7	200.0	205.2	205.2
25°	450.8	433.3	378.9	312.3	261.4	228.0	214.0	215.8	224.5	229.8	231.6
27.5°	540.3	517.5	445.6	359.6	287.7	245.6	231.6	235.1	245.6	254.4	254.4
30°	642.0	603.5	507.0	400.0	310.5	259.6	245.6	252.6	264.9	275.4	277.2
32.5°	735.0	696.4	577.1	438.6	329.8	268.4	254.4	264.9	278.9	291.2	291.2
35°	838.5	789.4	635.0	468.4	340.3	273.7	259.6	273.7	289.4	300.0	300.0
37.5°	938.5	870.1	680.6	485.9	343.8	273.7	261.4	278.9	293.0	301.7	303.5
40°	1029.7	949.0	714.0	491.2	340.3	270.1	261.4	278.9	293.0	298.2	300.0
42.5°	1128.0	1015.7	738.5	485.9	331.5	264.9	259.6	277.2	289.4	291.2	293.0
45°	1226.2	1089.4	745.5	468.4	319.3	257.9	254.4	271.9	282.4	282.4	282.4
47.5°	1333.2	1161.3	745.5	447.3	303.5	250.9	250.9	268.4	275.4	273.7	273.7
50°	1445.5	1229.7	740.3	422.8	289.4	243.8	245.6	264.9	271.9	266.6	266.6
52.5°	1563.0	1303.4	722.7	392.9	273.7	236.8	243.8	263.1	270.1	264.9	264.9
55°	1705.1	1375.3	703.4	364.9	259.6	231.6	242.1	263.1	270.1	264.9	264.9
57.5°	1805.1	1438.5	673.6	338.6	249.1	228.0	242.1	266.6	273.7	270.1	270.1
60°	1920.9	1480.6	635.0	312.3	238.6	224.5	245.6	270.1	280.7	280.7	280.7
62.5°	1984.0	1491.1	594.7	289.4	231.6	222.8	249.1	277.2	291.2	293.0	294.7
65°	1984.0	1445.5	538.5	270.1	224.5	221.0	252.6	285.9	303.5	308.7	310.5
67.5°	1894.6	1350.7	478.9	252.6	217.5	219.3	256.1	294.7	312.3	321.0	321.0
70°	1747.2	1201.6	415.7	235.1	210.5	217.5	257.9	298.2	317.5	326.3	326.3
72.5°	1505.1	1028.0	356.1	221.0	203.5	214.0	256.1	298.2	315.8	322.8	321.0
75°	1219.2	821.0	298.2	205.2	194.7	205.2	247.3	289.4	303.5	307.0	307.0
77.5°	949.0	626.3	250.9	187.7	182.4	194.7	235.1	271.9	284.2	285.9	284.2
80°	675.4	452.6	210.5	171.9	168.4	178.9	214.0	245.6	256.1	257.9	254.4
82.5°	454.3	324.5	171.9	150.9	150.9	161.4	191.2	215.8	224.5	222.8	221.0
85°	294.7	219.3	140.3	129.8	131.6	142.1	163.1	182.4	187.7	185.9	180.7
87.5°	193.0	154.4	112.3	110.5	112.3	121.0	136.8	147.4	154.4	150.9	149.1
90°	131.6	110.5	91.2	91.2	94.7	101.7	112.3	117.5	119.3	119.3	117.5
92.5°	96.5	86.0	75.4	75.4	80.7	86.0	91.2	93.0	96.5	94.7	93.0
95°	73.7	70.2	63.2	63.2	68.4	73.7	75.4	73.7	77.2	77.2	75.4
97.5°	57.9	57.9	54.4	54.4	57.9	61.4	63.2	61.4	63.2	61.4	61.4
100°	45.6	45.6	47.4	47.4	49.1	52.6	52.6	52.6	52.6	50.9	49.1
102.5°	36.8	38.6	40.3	42.1	43.9	43.9	45.6	43.9	43.9	40.3	40.3
105°	29.8	29.8	33.3	35.1	36.8	38.6	38.6	38.6	36.8	33.3	33.3
107.5°	24.6	26.3	28.1	31.6	31.6	33.3	35.1	33.3	29.8	26.3	28.1
110°	19.3	21.1	24.6	26.3	28.1	29.8	29.8	28.1	24.6	22.8	22.8

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	17.5	21.1	22.8	24.6	26.3	26.3	24.6	21.1	19.3	19.3
115°	15.8	15.8	17.5	19.3	21.1	22.8	22.8	21.1	17.5	15.8	15.8
117.5°	14.0	14.0	15.8	17.5	19.3	21.1	19.3	19.3	15.8	14.0	14.0
120°	12.3	14.0	14.0	15.8	17.5	17.5	17.5	15.8	14.0	14.0	14.0
122.5°	12.3	12.3	14.0	14.0	15.8	15.8	15.8	14.0	12.3	12.3	12.3
125°	10.5	12.3	12.3	12.3	14.0	14.0	14.0	12.3	10.5	10.5	10.5
127.5°	10.5	10.5	10.5	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5
130°	10.5	10.5	10.5	10.5	10.5	12.3	10.5	10.5	8.8	10.5	10.5
132.5°	8.8	8.8	8.8	10.5	10.5	10.5	10.5	8.8	8.8	8.8	8.8
135°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
137.5°	8.8	8.8	8.8	8.8	8.8	8.8	7.0	7.0	7.0	8.8	8.8
140°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3	5.3	7.0	7.0
145°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	5.3	5.3	5.3	3.5	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)