

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: P695761

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4745 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

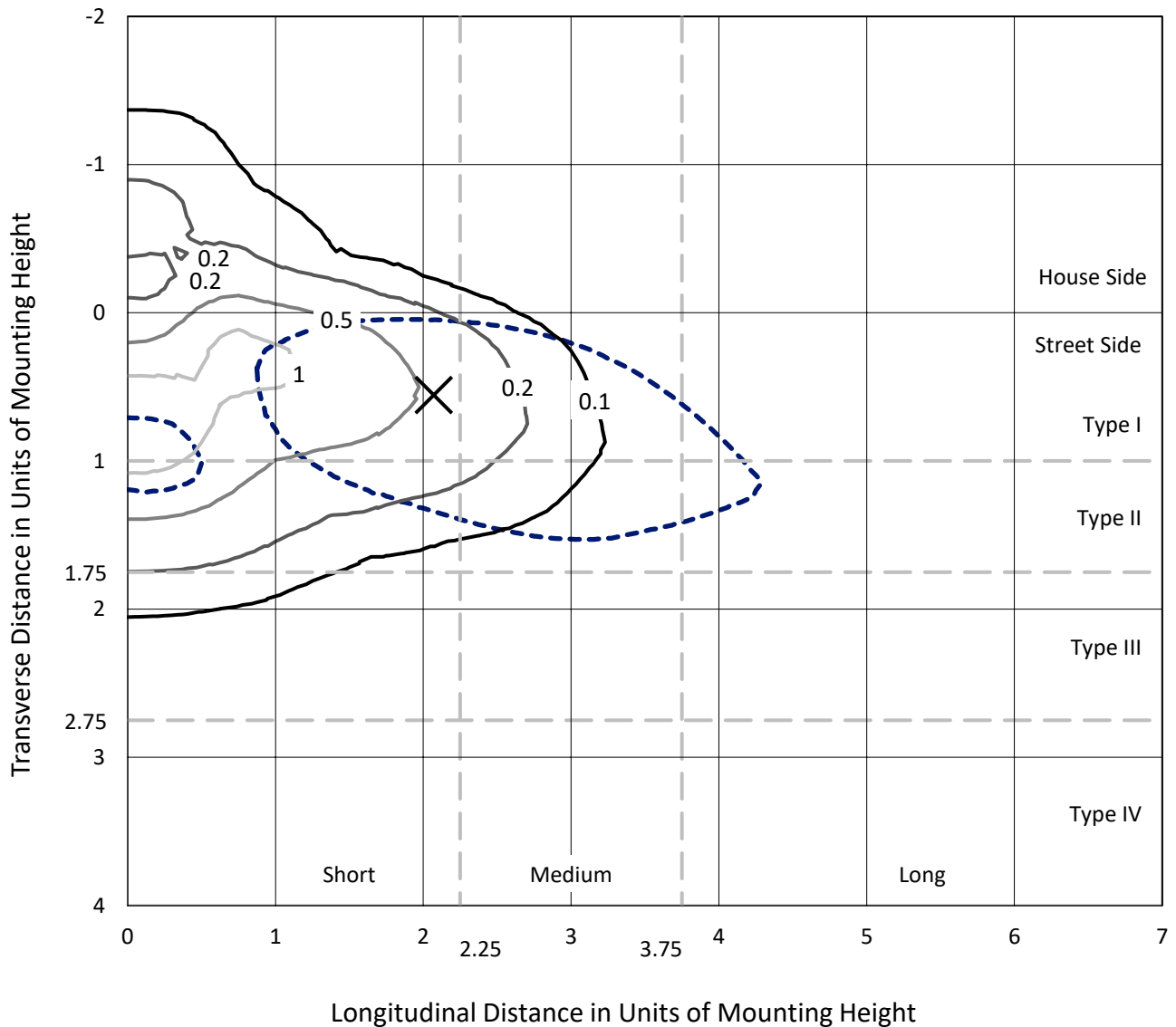
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

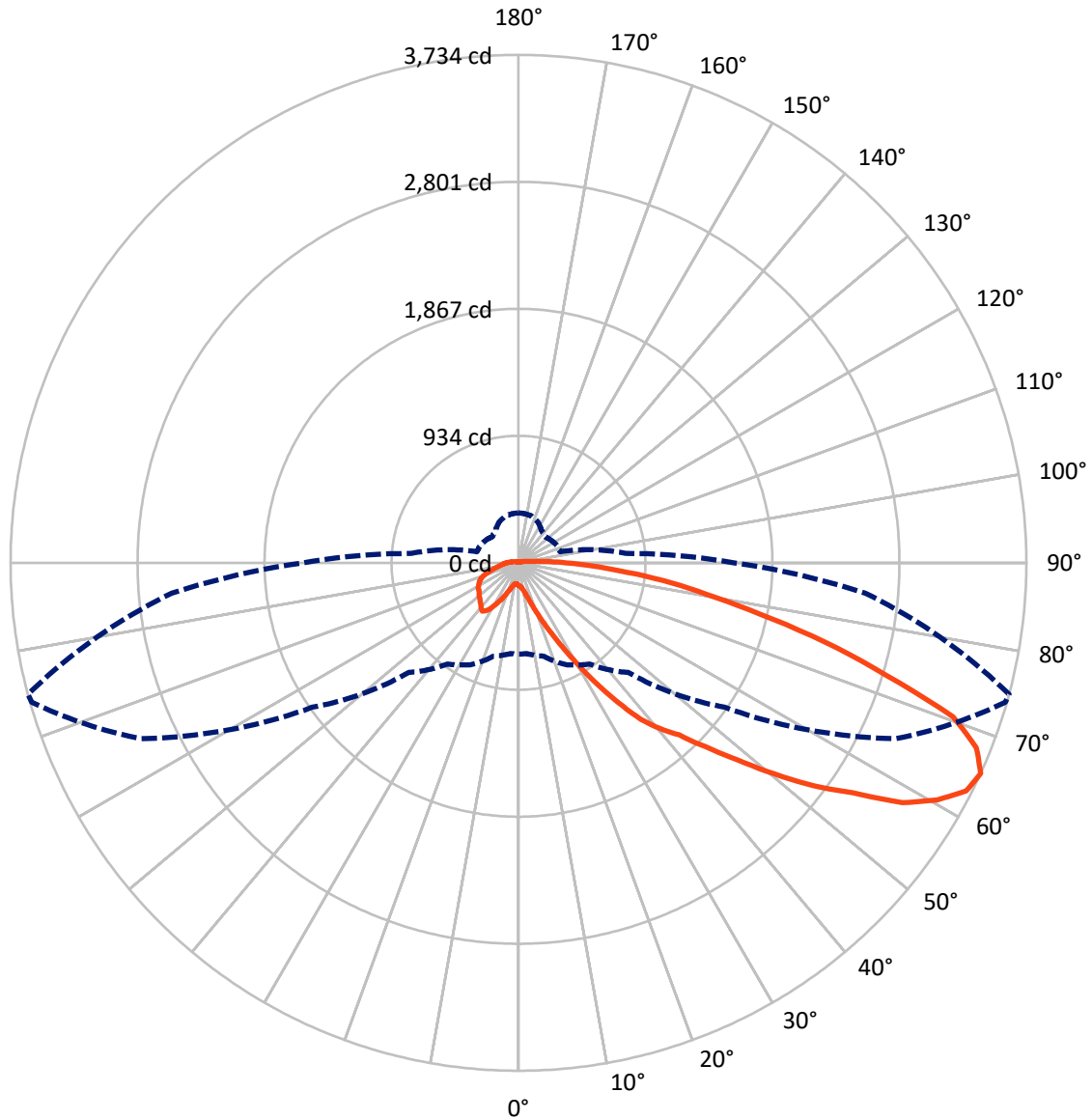
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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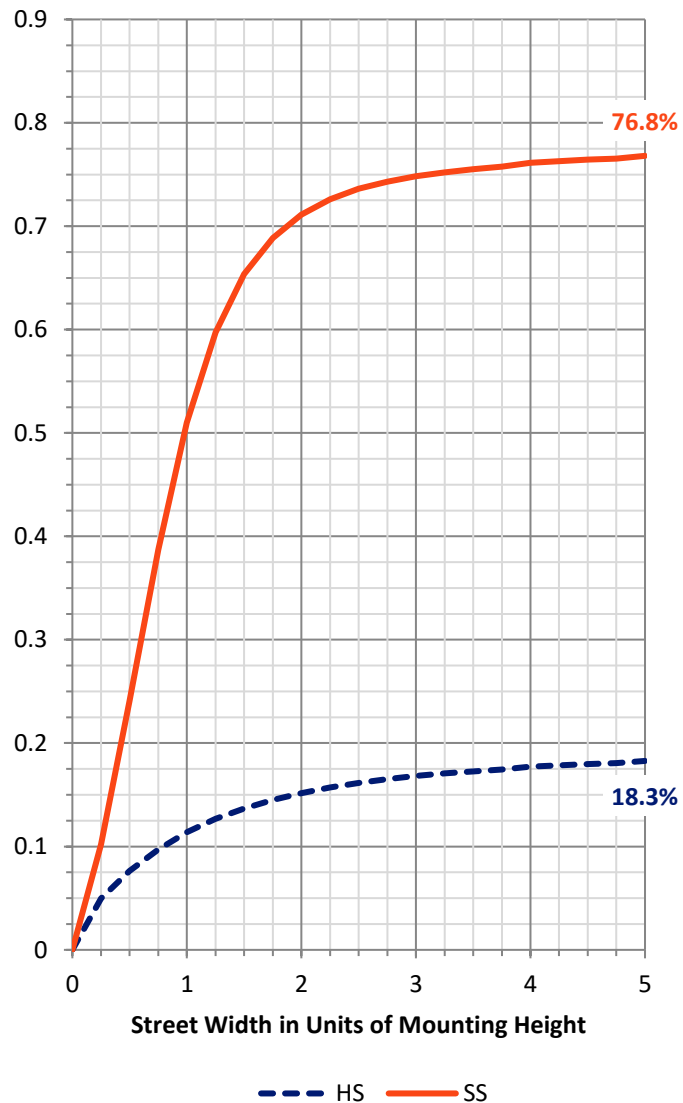
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.5	72.1	980.7
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	3692.0	72.4	3764.3
	% Fixture	77.8	1.5	79.3
Total	Lumens	4600.5	144.5	4745.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.4
10°-20°	72.4	1.5
20°-30°	226.1	4.8
30°-40°	537.6	11.3
40°-50°	832.3	17.5
50°-60°	1038.5	21.9
60°-70°	1016.1	21.4
70°-80°	618.0	13.0
80°-90°	242.7	5.1
90°-100°	75.7	1.6
100°-110°	30.3	0.6
110°-120°	16.7	0.4
120°-130°	11.0	0.2
130°-140°	7.3	0.2
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4600.5	97.0
0°-180°	4745.0	100.0

Coefficient of Utilization



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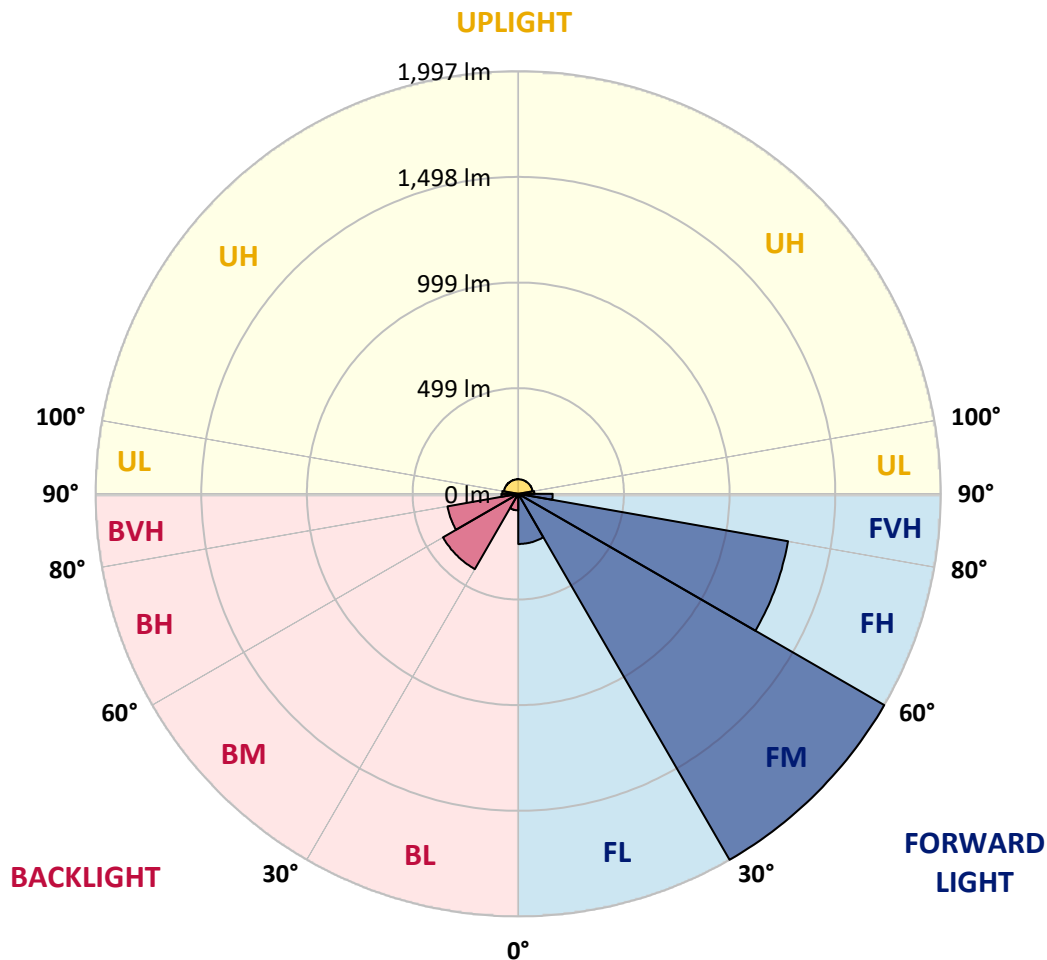
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.1	5.0			
FM (30°-60°)	1997.3	42.1			
FH (60°-80°)	1294.6	27.3			G1/1800
FVH (80°-90°)	162.9	3.4			G2/225
BL (0°-30°)	78.2	1.6	B0/110		
BM (30°-60°)	411.0	8.7	B1/1000		
BH (60°-80°)	339.5	7.2	B1/500		G1/500
BVH (80°-90°)	79.8	1.7			G1/100
UL (90°-100°)	75.7	1.6		U3/500	
UH (100°-180°)	68.8	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6
2.5°	184.2	185.9	184.2	182.4	180.7	178.9	175.4	173.7	170.1	170.1	166.6
5°	214.0	214.0	214.0	208.7	205.2	201.7	192.9	185.9	178.9	177.2	171.9
7.5°	250.8	247.3	245.6	240.3	233.3	226.3	214.0	201.7	191.2	189.4	178.9
10°	294.7	292.9	291.2	284.2	271.9	259.6	242.1	226.3	208.7	207.0	189.4
12.5°	354.3	352.6	345.5	336.8	319.2	299.9	278.9	259.6	236.8	235.0	210.5
15°	419.2	421.0	415.7	398.2	380.6	354.3	329.8	307.0	282.4	275.4	243.8
17.5°	517.4	515.7	503.4	473.6	452.5	424.5	392.9	363.1	333.3	328.0	287.7
20°	624.4	628.0	610.4	568.3	535.0	501.7	475.3	431.5	401.7	398.2	342.0
22.5°	761.3	770.0	733.2	691.1	635.0	596.4	570.1	528.0	485.9	485.9	414.0
25°	940.2	943.7	894.6	826.2	756.0	696.4	673.6	647.2	598.1	591.1	506.9
27.5°	1124.3	1134.9	1077.0	987.5	882.3	810.4	796.3	782.3	722.7	720.9	603.4
30°	1410.3	1405.0	1306.8	1178.7	1026.1	931.4	922.6	938.4	882.3	875.3	729.7
32.5°	1669.9	1661.1	1555.8	1387.5	1178.7	1066.5	1052.4	1105.1	1066.5	1064.7	873.5
35°	1883.9	1871.6	1776.9	1587.4	1343.6	1191.0	1199.8	1287.5	1268.2	1259.4	1005.1
37.5°	1983.8	2004.9	1924.2	1740.0	1485.7	1319.0	1359.4	1489.2	1471.6	1459.4	1148.9
40°	2052.2	2080.3	1996.1	1822.5	1583.9	1433.1	1498.0	1655.8	1619.0	1603.2	1210.3
42.5°	2076.8	2099.6	2043.5	1869.8	1643.5	1519.0	1605.0	1778.6	1755.8	1729.5	1298.0
45°	2061.0	2089.1	2045.2	1890.9	1673.4	1571.6	1683.9	1934.7	1952.3	1931.2	1422.5
47.5°	1999.6	2031.2	2015.4	1890.9	1682.1	1597.9	1778.6	2132.9	2173.3	2162.7	1559.4
50°	1834.7	1869.8	1897.9	1854.0	1673.4	1606.7	1883.9	2329.4	2448.7	2441.6	1748.8
52.5°	1701.4	1729.5	1740.0	1738.3	1640.0	1619.0	1983.8	2585.5	2736.3	2725.8	1918.9
55°	1522.5	1540.1	1590.9	1578.6	1529.5	1601.4	2059.3	2773.2	2995.9	2983.6	2113.6
57.5°	1213.8	1243.6	1338.3	1438.3	1392.7	1543.6	2092.6	2943.3	3343.2	3327.4	2338.2
60°	1033.1	1041.9	1096.3	1191.0	1254.1	1427.8	2080.3	3118.7	3552.0	3537.9	2439.9
62.5°	841.9	847.2	915.6	996.3	1085.8	1299.8	2008.4	3129.2	3687.0	3694.0	2539.9
65°	671.8	670.0	710.4	826.2	908.6	1140.1	1852.3	3059.1	3722.1	3734.4	2559.2
67.5°	512.2	528.0	580.6	640.2	752.5	956.0	1629.5	2874.9	3627.4	3630.9	2480.2
70°	352.6	359.6	408.7	503.4	587.6	792.8	1383.9	2590.7	3388.8	3388.8	2255.7
72.5°	254.3	263.1	287.7	349.1	454.3	620.9	1143.6	2224.1	2855.6	2827.5	1889.1
75°	189.4	191.2	214.0	250.8	321.0	484.1	889.3	1748.8	2318.9	2327.6	1552.3
77.5°	147.3	149.1	159.6	185.9	235.0	352.6	661.3	1348.9	1806.7	1810.2	1198.0
80°	122.8	124.5	129.8	143.8	175.4	252.6	485.9	1015.6	1396.2	1398.0	933.2
82.5°	101.7	103.5	108.8	117.5	136.8	187.7	349.1	777.0	1057.7	1071.7	699.9
85°	85.9	87.7	91.2	98.2	112.3	145.6	252.6	557.8	745.5	740.2	484.1
87.5°	70.2	70.2	75.4	80.7	91.2	117.5	185.9	382.4	505.2	499.9	336.8
90°	52.6	54.4	57.9	64.9	75.4	93.0	135.1	250.8	314.0	314.0	214.0
92.5°	38.6	38.6	43.9	50.9	59.6	75.4	98.2	159.6	187.7	189.4	138.6
95°	28.1	28.1	31.6	35.1	45.6	59.6	71.9	98.2	115.8	112.3	94.7
97.5°	22.8	22.8	24.6	28.1	35.1	47.4	56.1	70.2	77.2	77.2	70.2
100°	19.3	19.3	21.0	21.0	28.1	38.6	45.6	50.9	56.1	57.9	56.1
102.5°	15.8	17.5	17.5	17.5	22.8	33.3	36.8	40.3	43.9	43.9	43.9
105°	14.0	14.0	15.8	15.8	19.3	28.1	31.6	33.3	35.1	35.1	35.1
107.5°	12.3	12.3	14.0	14.0	17.5	24.6	26.3	26.3	28.1	28.1	28.1
110°	12.3	12.3	12.3	12.3	15.8	21.0	21.0	21.0	21.0	21.0	22.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.5	10.5	12.3	12.3	14.0	19.3	19.3	17.5	17.5	17.5	21.0
115°	10.5	10.5	10.5	12.3	14.0	15.8	15.8	15.8	15.8	15.8	17.5
117.5°	10.5	10.5	10.5	12.3	12.3	15.8	14.0	14.0	14.0	14.0	15.8
120°	10.5	10.5	10.5	10.5	12.3	14.0	14.0	12.3	12.3	12.3	14.0
122.5°	10.5	10.5	10.5	10.5	12.3	12.3	12.3	10.5	10.5	10.5	14.0
125°	10.5	10.5	12.3	12.3	12.3	12.3	12.3	10.5	10.5	10.5	12.3
127.5°	12.3	12.3	12.3	12.3	10.5	12.3	10.5	10.5	10.5	10.5	12.3
130°	14.0	14.0	14.0	12.3	10.5	10.5	10.5	10.5	10.5	10.5	12.3
132.5°	14.0	14.0	14.0	12.3	10.5	10.5	8.8	8.8	10.5	10.5	10.5
135°	14.0	14.0	12.3	10.5	10.5	8.8	8.8	8.8	8.8	8.8	10.5
137.5°	12.3	12.3	12.3	10.5	8.8	8.8	7.0	7.0	8.8	8.8	8.8
140°	10.5	10.5	10.5	8.8	7.0	7.0	5.3	5.3	7.0	7.0	7.0
142.5°	8.8	8.8	8.8	7.0	7.0	5.3	5.3	5.3	5.3	5.3	7.0
145°	7.0	7.0	7.0	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	5.3	5.3	5.3	3.5	3.5	3.5	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°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6
2.5°	166.6	164.9	161.4	159.6	156.1	154.4	152.6	150.8	152.6	150.8	150.8
5°	168.4	164.9	157.9	150.8	145.6	142.1	138.6	135.1	135.1	133.3	131.6
7.5°	171.9	166.6	154.4	145.6	135.1	128.0	122.8	119.3	117.5	115.8	115.8
10°	180.7	171.9	156.1	140.3	128.0	117.5	110.5	107.0	103.5	103.5	103.5
12.5°	198.2	187.7	163.1	140.3	122.8	110.5	101.7	98.2	98.2	98.2	98.2
15°	228.0	210.5	178.9	149.1	124.5	107.0	101.7	103.5	107.0	110.5	108.8
17.5°	264.9	243.8	200.0	161.4	131.6	115.8	112.3	117.5	122.8	126.3	128.0
20°	310.5	278.9	222.8	173.7	143.8	133.3	129.8	135.1	142.1	147.3	147.3
22.5°	370.1	328.0	252.6	191.2	161.4	150.8	147.3	152.6	161.4	166.6	166.6
25°	445.5	387.6	289.4	214.0	180.7	164.9	164.9	171.9	184.2	191.2	192.9
27.5°	529.7	450.8	322.7	242.1	201.7	180.7	182.4	196.5	210.5	221.0	221.0
30°	620.9	526.2	361.3	266.6	217.5	196.5	198.2	215.7	235.0	249.1	247.3
32.5°	729.7	605.1	401.7	291.2	233.3	208.7	214.0	240.3	263.1	280.6	278.9
35°	840.2	673.6	428.0	314.0	247.3	219.3	228.0	261.4	287.7	303.5	303.5
37.5°	926.1	729.7	443.8	326.3	259.6	228.0	238.6	275.4	303.5	317.5	315.7
40°	956.0	729.7	431.5	328.0	264.9	235.0	247.3	282.4	307.0	315.7	310.5
42.5°	1001.6	743.7	414.0	317.5	266.6	240.3	250.8	282.4	298.2	299.9	296.4
45°	1066.5	766.5	401.7	310.5	263.1	242.1	250.8	277.1	296.4	301.7	298.2
47.5°	1148.9	789.3	387.6	307.0	263.1	242.1	250.8	282.4	301.7	301.7	298.2
50°	1254.1	826.2	380.6	308.7	268.4	243.8	256.1	289.4	307.0	303.5	301.7
52.5°	1334.8	834.9	368.4	314.0	273.6	247.3	261.4	296.4	312.2	305.2	303.5
55°	1440.1	856.0	354.3	314.0	282.4	256.1	268.4	303.5	315.7	307.0	305.2
57.5°	1548.8	878.8	352.6	312.2	285.9	263.1	275.4	308.7	319.2	312.2	310.5
60°	1578.6	852.5	342.0	317.5	287.7	270.1	280.6	314.0	329.8	326.3	326.3
62.5°	1603.2	831.4	329.8	315.7	292.9	270.1	285.9	322.7	347.3	347.3	347.3
65°	1585.7	791.1	315.7	308.7	291.2	271.9	292.9	333.3	357.8	364.8	366.6
67.5°	1512.0	734.9	301.7	298.2	282.4	271.9	294.7	333.3	363.1	373.6	373.6
70°	1354.1	642.0	277.1	277.1	270.1	261.4	289.4	328.0	352.6	364.8	364.8
72.5°	1134.9	531.5	240.3	249.1	247.3	245.6	275.4	310.5	326.3	336.8	335.0
75°	903.3	428.0	208.7	212.2	215.7	221.0	252.6	280.6	285.9	294.7	292.9
77.5°	708.6	342.0	177.2	180.7	184.2	196.5	226.3	243.8	247.3	252.6	250.8
80°	554.3	280.6	152.6	152.6	157.9	170.1	194.7	210.5	217.5	221.0	215.7
82.5°	431.5	229.8	135.1	129.8	135.1	145.6	164.9	178.9	184.2	184.2	182.4
85°	307.0	184.2	119.3	112.3	114.0	124.5	142.1	150.8	154.4	152.6	149.1
87.5°	224.5	150.8	105.2	94.7	96.5	110.5	122.8	128.0	129.8	131.6	128.0
90°	157.9	121.0	91.2	78.9	78.9	93.0	105.2	107.0	108.8	108.8	107.0
92.5°	112.3	94.7	75.4	64.9	64.9	77.2	85.9	84.2	85.9	84.2	80.7
95°	82.4	73.7	63.1	52.6	50.9	59.6	63.1	61.4	63.1	61.4	61.4
97.5°	64.9	59.6	52.6	43.9	40.3	45.6	47.4	47.4	50.9	47.4	47.4
100°	52.6	49.1	45.6	36.8	33.3	36.8	38.6	40.3	42.1	40.3	40.3
102.5°	43.9	42.1	38.6	33.3	29.8	31.6	33.3	35.1	36.8	36.8	35.1
105°	35.1	35.1	33.3	28.1	26.3	26.3	28.1	29.8	33.3	33.3	33.3
107.5°	28.1	29.8	28.1	24.6	22.8	22.8	24.6	26.3	28.1	29.8	29.8
110°	24.6	24.6	24.6	21.0	21.0	21.0	21.0	22.8	26.3	28.1	28.1

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	21.0	21.0	19.3	19.3	19.3	19.3	19.3	22.8	24.6	26.3
115°	19.3	19.3	19.3	17.5	17.5	17.5	17.5	17.5	21.0	22.8	22.8
117.5°	17.5	17.5	17.5	15.8	15.8	15.8	15.8	15.8	17.5	21.0	21.0
120°	15.8	15.8	15.8	14.0	14.0	14.0	14.0	14.0	15.8	19.3	19.3
122.5°	14.0	14.0	14.0	14.0	12.3	12.3	12.3	12.3	14.0	17.5	17.5
125°	12.3	14.0	12.3	12.3	12.3	12.3	10.5	12.3	14.0	15.8	15.8
127.5°	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5	12.3	14.0	14.0
130°	12.3	12.3	12.3	10.5	10.5	8.8	8.8	10.5	10.5	12.3	12.3
132.5°	10.5	10.5	10.5	10.5	8.8	8.8	8.8	8.8	10.5	10.5	10.5
135°	10.5	10.5	8.8	8.8	8.8	7.0	7.0	7.0	8.8	10.5	10.5
137.5°	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0	8.8	8.8	8.8
140°	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3	7.0	7.0	7.0
145°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	1.8	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

(END OF REPORT)