

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: P695492

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4368.1 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

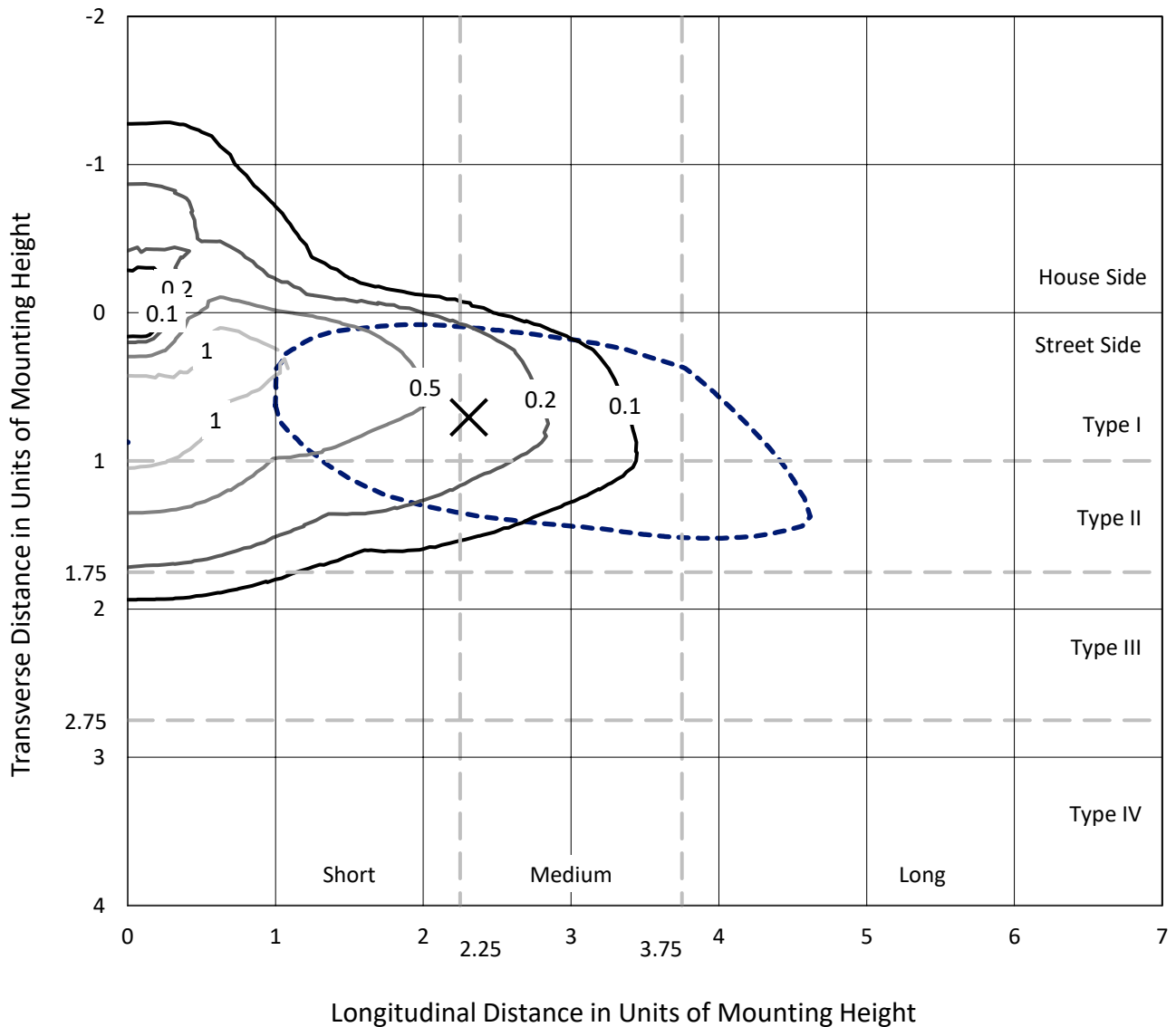
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

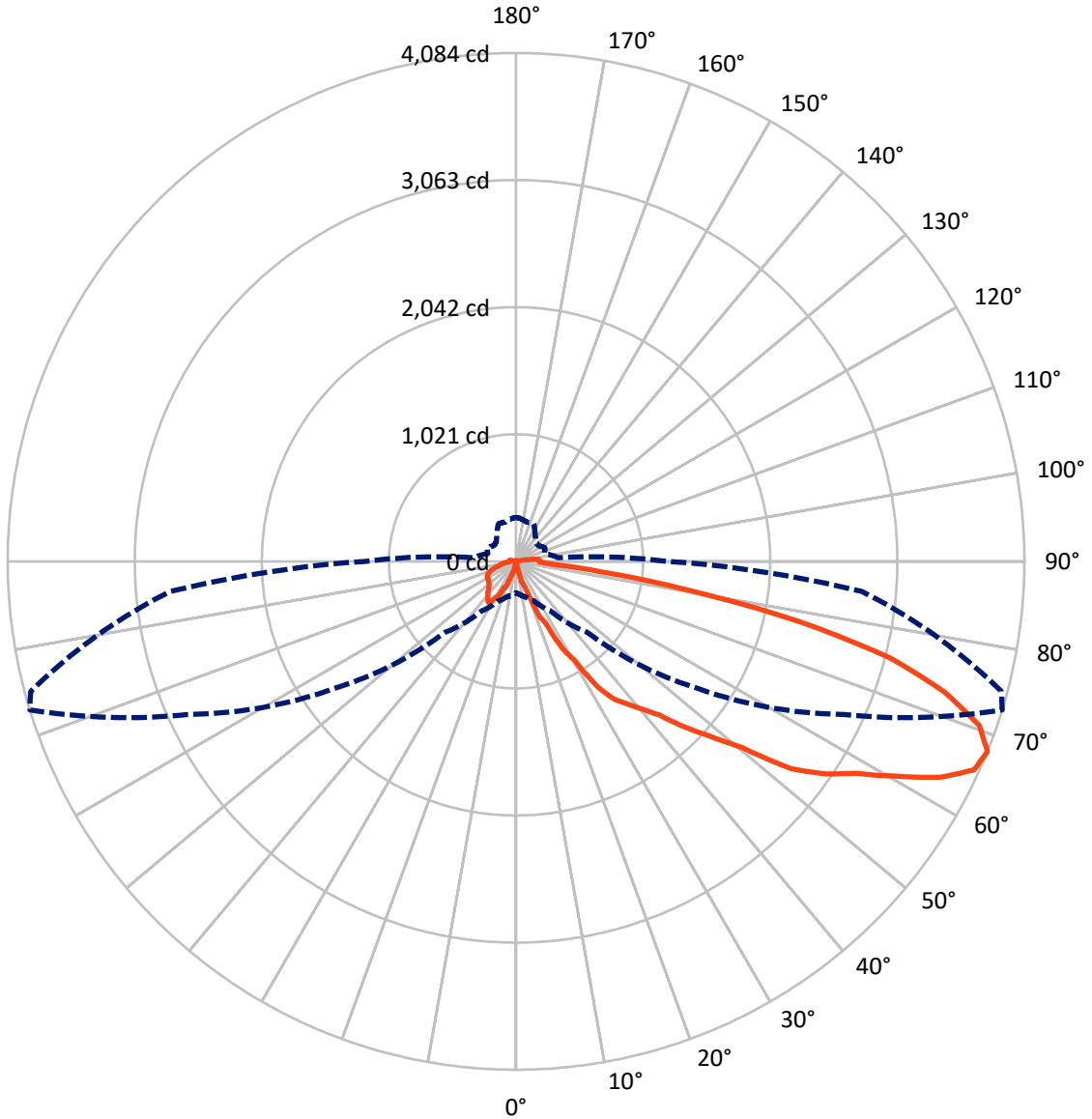
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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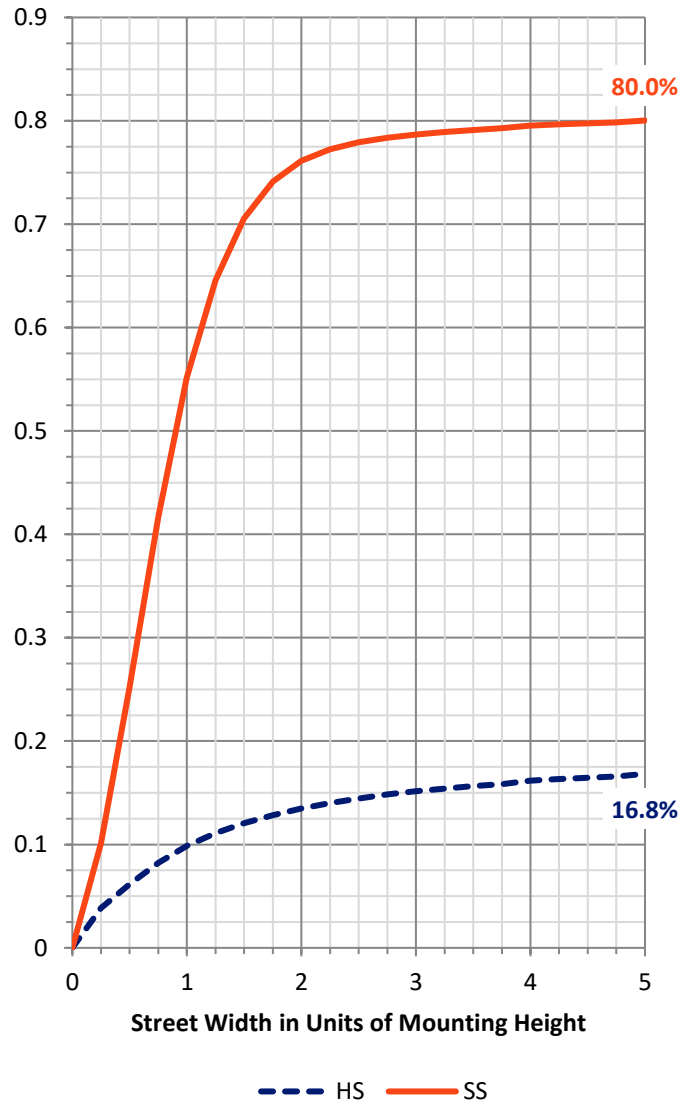
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.2	32.9	805.1
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	3522.6	40.4	3563.0
	% Fixture	80.6	0.9	81.6
Total	Lumens	4294.7	73.3	4368.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	35.3	0.8
20°-30°	218.6	5.0
30°-40°	550.0	12.6
40°-50°	794.2	18.2
50°-60°	971.3	22.2
60°-70°	957.6	21.9
70°-80°	602.5	13.8
80°-90°	164.7	3.8
90°-100°	47.9	1.1
100°-110°	10.3	0.2
110°-120°	5.3	0.1
120°-130°	4.4	0.1
130°-140°	3.1	0.1
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4294.7	98.3
0°-180°	4368.1	100.0

Coefficient of Utilization

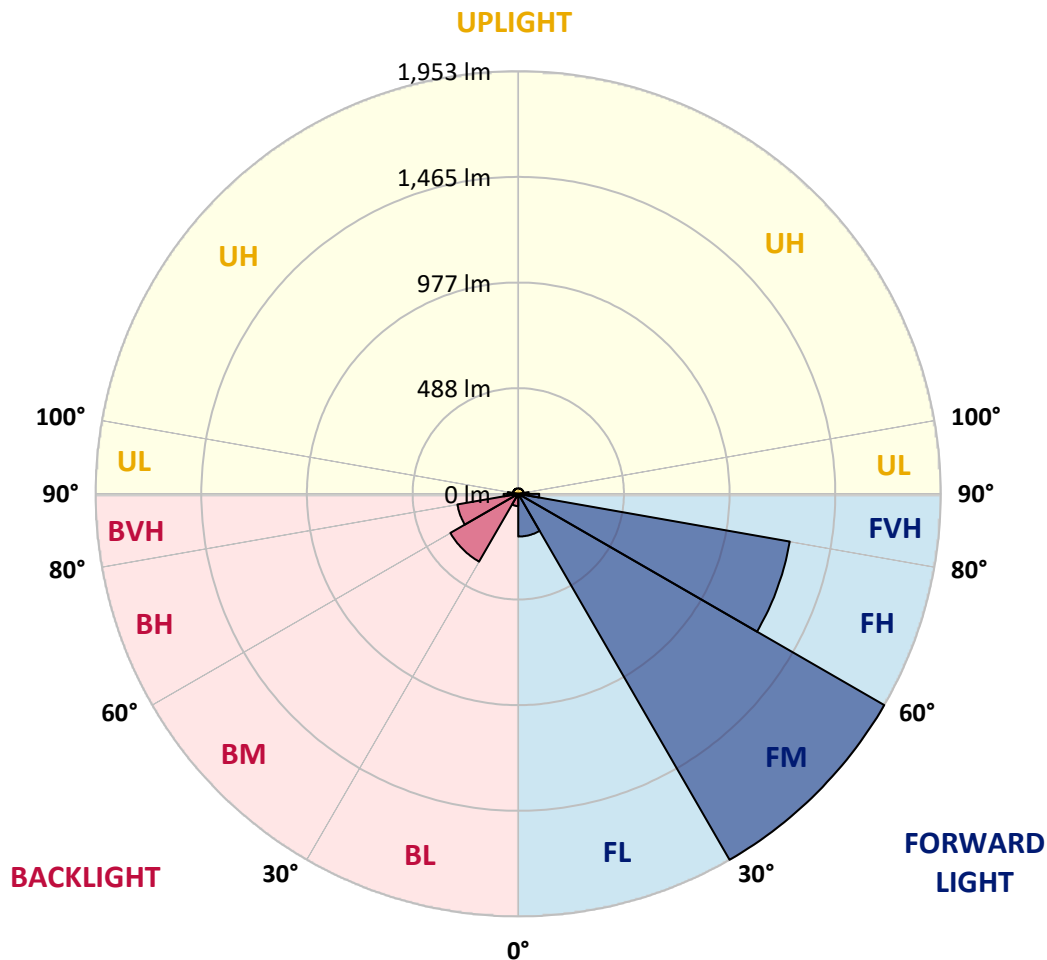


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	4.5			
FM (30°-60°)	1953.4	44.7			
FH (60°-80°)	1274.5	29.2			G1/1800
FVH (80°-90°)	97.0	2.2			G1/100
BL (0°-30°)	56.7	1.3	B0/110		
BM (30°-60°)	362.2	8.3	B1/1000		
BH (60°-80°)	285.6	6.5	B1/500		G1/500
BVH (80°-90°)	67.7	1.5			G1/100
UL (90°-100°)	47.9	1.1		U2/50	
UH (100°-180°)	25.4	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1
5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1
7.5°	6.2	7.8	6.2	6.2	6.2	6.2	6.2	4.7	3.1	3.1	3.1
10°	26.4	24.8	17.1	15.5	9.3	7.8	6.2	4.7	4.7	4.7	4.7
12.5°	207.8	206.3	201.6	181.5	31.0	15.5	9.3	12.4	17.1	20.2	23.3
15°	238.9	242.0	237.3	232.7	224.9	74.5	32.6	179.9	167.5	161.3	124.1
17.5°	431.2	322.6	283.8	277.6	260.6	218.7	198.5	220.3	200.1	193.9	150.5
20°	592.5	589.4	578.6	558.4	313.3	398.6	381.6	259.0	262.1	277.6	296.3
22.5°	662.3	659.2	645.3	623.5	651.5	459.1	432.8	480.8	476.2	462.2	358.3
25°	1085.8	1071.8	995.8	725.9	727.5	640.6	663.9	618.9	546.0	532.0	417.2
27.5°	1177.3	1185.0	1166.4	1059.4	832.9	853.1	729.0	711.9	794.2	817.4	631.3
30°	1574.4	1611.6	1433.2	1208.3	1092.0	932.2	893.4	977.2	918.2	891.9	690.2
32.5°	1839.6	1822.5	1788.4	1507.7	1239.3	1116.8	1115.2	1078.0	1202.1	1199.0	969.4
35°	1945.1	1931.1	1897.0	1651.9	1425.4	1310.7	1212.9	1340.1	1360.3	1309.1	1034.6
37.5°	2024.2	2008.7	1968.3	1704.6	1574.4	1389.8	1430.1	1436.3	1454.9	1444.1	1092.0
40°	2028.8	2019.5	1991.6	1779.1	1656.6	1451.8	1549.5	1563.5	1558.8	1586.8	1164.9
42.5°	2011.8	1993.1	1976.1	1793.1	1700.0	1499.9	1641.0	1721.7	1687.6	1727.9	1250.2
45°	1945.1	1923.3	1915.6	1793.1	1693.8	1532.5	1748.1	1870.6	1897.0	1861.3	1343.2
47.5°	1831.8	1827.2	1830.3	1751.2	1687.6	1569.7	1850.4	1983.8	2098.6	2042.8	1479.7
50°	1717.1	1724.8	1746.5	1703.1	1669.0	1591.4	1980.7	2179.3	2348.3	2272.3	1684.5
52.5°	1535.6	1546.4	1608.5	1625.5	1616.2	1589.9	2081.6	2443.0	2767.1	2661.7	1897.0
55°	1369.6	1375.8	1417.7	1479.7	1515.4	1557.3	2121.9	2559.3	3013.8	2894.3	2035.0
57.5°	1180.4	1168.0	1222.3	1312.2	1392.9	1512.3	2163.8	2650.8	3212.3	3147.1	2214.9
60°	955.5	929.1	1008.2	1092.0	1214.5	1419.2	2190.1	2809.0	3503.9	3466.7	2477.1
62.5°	643.7	656.1	735.2	848.4	1019.1	1262.6	2160.7	2953.3	3820.3	3798.6	2695.8
65°	404.8	421.9	473.1	570.8	744.5	1062.5	2036.6	3021.5	4040.6	4003.3	2821.4
67.5°	252.8	263.7	296.3	355.2	488.6	805.0	1779.1	2911.4	4084.0	4035.9	2790.4
70°	209.4	212.5	217.2	231.1	300.9	556.8	1414.6	2626.0	3946.0	3953.7	2661.7
72.5°	187.7	190.8	190.8	189.2	193.9	349.0	1008.2	2227.4	3601.6	3601.6	2405.7
75°	172.2	173.7	169.1	167.5	164.4	217.2	615.8	1765.1	3109.9	3051.0	2010.2
77.5°	152.0	155.1	150.5	150.5	148.9	166.0	356.7	1346.3	2329.7	2230.5	1355.6
80°	130.3	130.3	130.3	130.3	131.8	131.8	223.4	924.4	1403.7	1293.6	732.1
82.5°	103.9	102.4	105.5	111.7	108.6	100.8	172.2	538.2	680.9	617.3	361.4
85°	40.3	49.6	57.4	69.8	72.9	69.8	131.8	265.2	290.1	310.2	223.4
87.5°	23.3	23.3	18.6	18.6	20.2	27.9	82.2	159.8	187.7	210.9	197.0
90°	24.8	24.8	18.6	17.1	17.1	23.3	71.3	145.8	190.8	212.5	200.1
92.5°	26.4	26.4	18.6	17.1	17.1	18.6	58.9	130.3	189.2	217.2	195.4
95°	23.3	24.8	17.1	15.5	17.1	17.1	43.4	103.9	175.3	178.4	183.0
97.5°	15.5	17.1	10.9	12.4	15.5	14.0	23.3	60.5	93.1	71.3	85.3
100°	9.3	10.9	7.8	9.3	10.9	10.9	12.4	26.4	23.3	15.5	15.5
102.5°	9.3	9.3	6.2	7.8	7.8	6.2	6.2	10.9	9.3	9.3	15.5
105°	9.3	9.3	6.2	6.2	4.7	4.7	4.7	7.8	7.8	9.3	15.5
107.5°	6.2	7.8	4.7	4.7	4.7	4.7	3.1	4.7	7.8	7.8	17.1
110°	4.7	4.7	3.1	3.1	3.1	4.7	3.1	4.7	6.2	7.8	12.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.1	4.7	3.1	3.1	3.1	3.1	3.1	4.7	6.2	6.2	7.8
115°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.2	9.3
117.5°	4.7	4.7	3.1	3.1	1.6	3.1	3.1	3.1	4.7	6.2	9.3
120°	4.7	4.7	3.1	3.1	1.6	1.6	3.1	3.1	6.2	6.2	9.3
122.5°	4.7	4.7	3.1	1.6	1.6	1.6	3.1	3.1	4.7	6.2	9.3
125°	4.7	4.7	3.1	1.6	1.6	1.6	3.1	3.1	4.7	6.2	7.8
127.5°	4.7	4.7	3.1	1.6	1.6	1.6	3.1	3.1	4.7	4.7	7.8
130°	4.7	4.7	3.1	1.6	1.6	1.6	3.1	3.1	4.7	4.7	7.8
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	6.2
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1
145°	6.2	6.2	6.2	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	6.2	6.2	6.2	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1
150°	6.2	7.8	6.2	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
5°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1
7.5°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1
10°	4.7	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	1.6
12.5°	23.3	23.3	17.1	7.8	3.1	1.6	1.6	1.6	4.7	4.7	4.7
15°	113.2	102.4	91.5	80.7	21.7	3.1	3.1	14.0	52.7	74.5	77.6
17.5°	131.8	119.4	107.0	97.7	86.9	32.6	35.7	93.1	96.2	97.7	96.2
20°	254.4	226.5	147.4	111.7	96.2	100.8	88.4	99.3	107.0	110.1	110.1
22.5°	302.5	260.6	223.4	195.4	114.8	138.0	128.7	114.8	178.4	183.0	184.6
25°	350.5	296.3	240.4	207.8	200.1	142.7	152.0	175.3	189.2	192.3	190.8
27.5°	511.9	421.9	336.6	224.9	212.5	178.4	190.8	184.6	201.6	246.6	251.3
30°	550.6	439.0	342.8	273.0	223.4	209.4	197.0	240.4	260.6	260.6	262.1
32.5°	763.1	586.3	421.9	273.0	246.6	210.9	235.8	251.3	263.7	282.3	276.1
35°	798.8	592.5	417.2	316.4	246.6	221.8	243.5	259.0	316.4	322.6	321.1
37.5°	828.3	586.3	394.0	307.1	266.8	235.8	248.2	296.3	319.5	318.0	314.9
40°	860.9	577.0	370.7	300.9	265.2	237.3	265.2	297.8	311.8	304.0	296.3
42.5°	898.1	563.0	350.5	287.0	259.0	238.9	266.8	290.1	288.5	283.8	279.2
45°	946.2	547.5	327.3	274.5	255.9	235.8	262.1	269.9	280.7	277.6	274.5
47.5°	1017.5	532.0	307.1	263.7	252.8	231.1	265.2	274.5	283.8	276.1	274.5
50°	1123.0	510.3	290.1	260.6	251.3	245.1	243.5	282.3	290.1	271.4	268.3
52.5°	1194.3	485.5	280.7	257.5	246.6	238.9	259.0	279.2	287.0	265.2	263.7
55°	1242.4	449.8	273.0	257.5	243.5	224.9	280.7	285.4	285.4	260.6	257.5
57.5°	1295.2	425.0	268.3	262.1	242.0	209.4	293.2	291.6	285.4	252.8	254.4
60°	1371.2	409.5	263.7	266.8	242.0	214.0	288.5	305.6	285.4	257.5	266.8
62.5°	1414.6	394.0	260.6	268.3	238.9	214.0	279.2	325.7	308.7	288.5	290.1
65°	1354.1	373.8	251.3	266.8	234.2	218.7	269.9	333.5	330.4	321.1	322.6
67.5°	1216.1	339.7	234.2	255.9	218.7	221.8	265.2	333.5	327.3	347.4	352.1
70°	1062.5	299.4	209.4	237.3	207.8	218.7	276.1	322.6	322.6	359.9	367.6
72.5°	899.6	245.1	181.5	217.2	207.8	212.5	288.5	310.2	310.2	359.9	358.3
75°	738.3	195.4	152.0	186.1	192.3	212.5	287.0	296.3	288.5	328.8	321.1
77.5°	539.8	155.1	130.3	156.7	173.7	212.5	277.6	276.1	263.7	282.3	279.2
80°	331.9	122.5	110.1	133.4	145.8	203.2	262.1	251.3	229.6	238.9	235.8
82.5°	192.3	91.5	93.1	113.2	116.3	186.1	237.3	218.7	195.4	200.1	195.4
85°	124.1	58.9	72.9	86.9	91.5	152.0	203.2	184.6	158.2	204.7	195.4
87.5°	96.2	34.1	49.6	57.4	55.8	66.7	116.3	110.1	108.6	88.4	85.3
90°	90.0	29.5	49.6	49.6	40.3	32.6	45.0	46.5	38.8	41.9	37.2
92.5°	80.7	29.5	52.7	49.6	35.7	26.4	37.2	37.2	29.5	27.9	26.4
95°	66.7	26.4	55.8	51.2	32.6	23.3	31.0	29.5	23.3	21.7	20.2
97.5°	35.7	17.1	52.7	46.5	29.5	21.7	27.9	24.8	17.1	15.5	14.0
100°	12.4	10.9	51.2	40.3	24.8	17.1	20.2	18.6	10.9	9.3	7.8
102.5°	10.9	9.3	29.5	29.5	15.5	9.3	12.4	12.4	9.3	7.8	7.8
105°	12.4	9.3	10.9	15.5	7.8	4.7	6.2	7.8	7.8	9.3	9.3
107.5°	12.4	9.3	7.8	7.8	6.2	4.7	4.7	4.7	7.8	9.3	9.3
110°	10.9	9.3	6.2	7.8	6.2	4.7	4.7	4.7	7.8	10.9	10.9

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7	7.8	10.9	12.4
115°	7.8	7.8	4.7	4.7	4.7	4.7	3.1	4.7	7.8	12.4	14.0
117.5°	9.3	7.8	4.7	4.7	3.1	3.1	3.1	4.7	9.3	14.0	15.5
120°	9.3	7.8	4.7	4.7	3.1	3.1	3.1	4.7	9.3	15.5	15.5
122.5°	9.3	7.8	4.7	4.7	3.1	3.1	3.1	4.7	9.3	15.5	15.5
125°	7.8	7.8	4.7	4.7	3.1	3.1	3.1	4.7	9.3	15.5	15.5
127.5°	7.8	6.2	4.7	3.1	3.1	3.1	3.1	4.7	9.3	14.0	15.5
130°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	4.7	9.3	14.0	14.0
132.5°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	4.7	7.8	12.4	12.4
135°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	4.7	6.2	9.3	9.3
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
142.5°	3.1	3.1	3.1	3.1	3.1	1.6	3.1	3.1	4.7	4.7	4.7
145°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	3.1
147.5°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	3.1	4.7	4.7	3.1
150°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	3.1	4.7	4.7	3.1
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)