

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: P415254

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3633.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 40
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: 28.75 FT

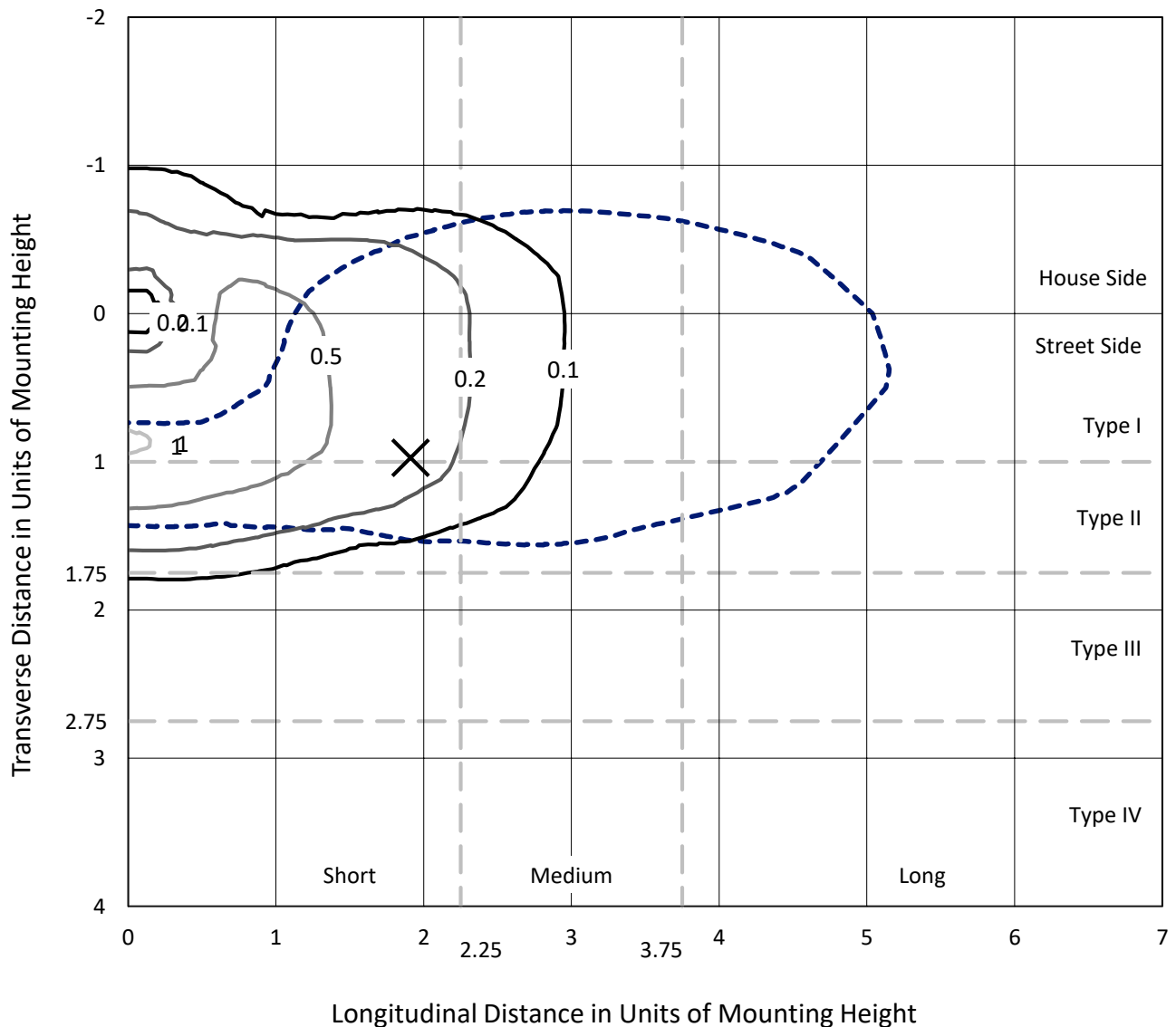


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

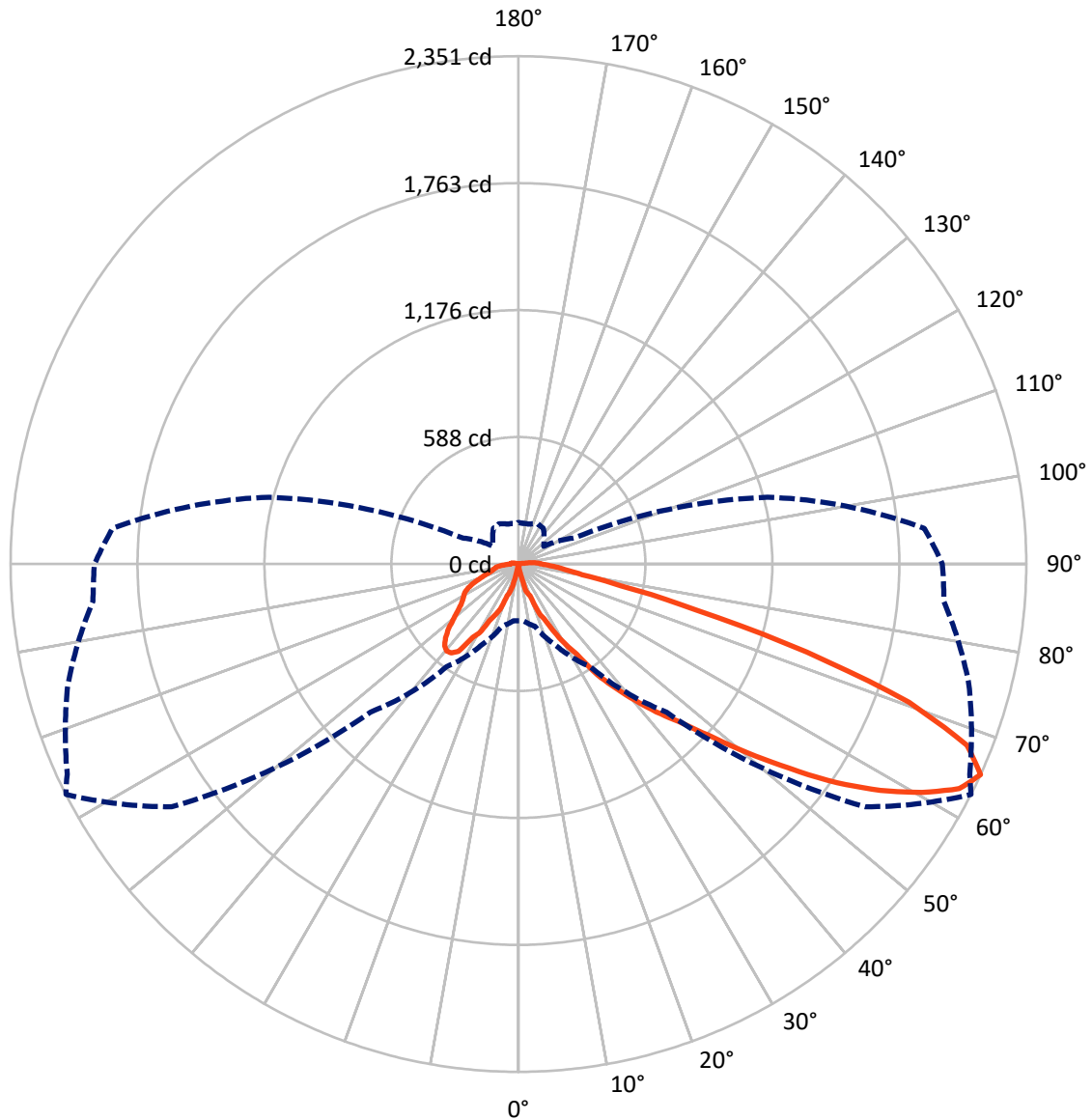


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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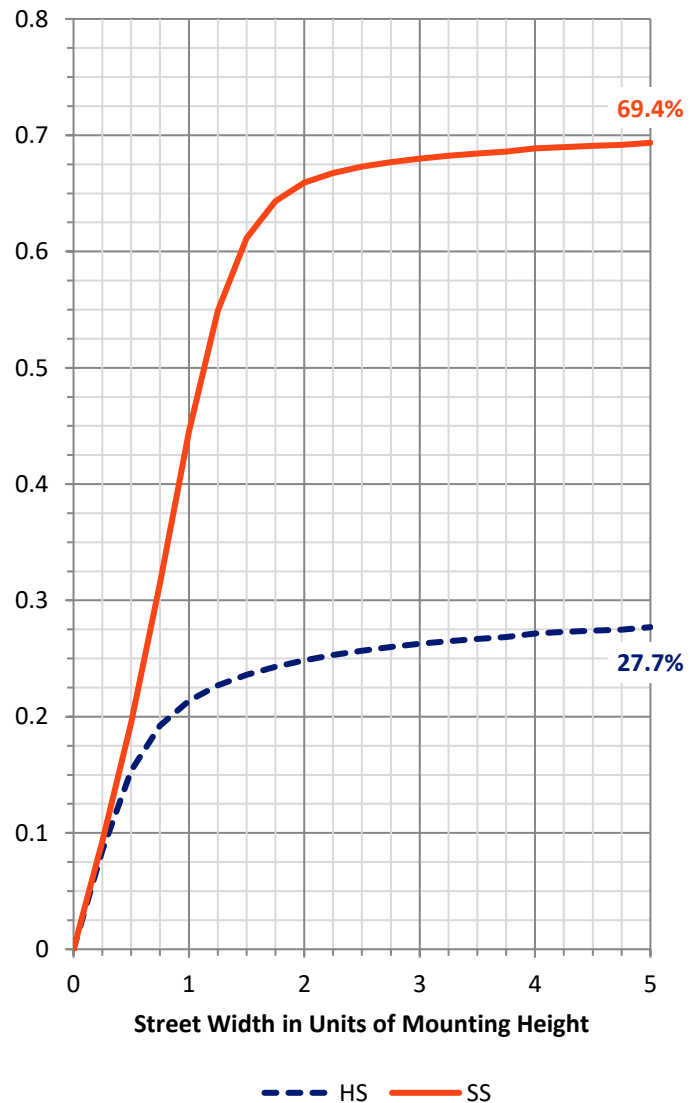
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1034.2	30.0	1064.2
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	2541.8	27.9	2569.8
	% Fixture	69.9	0.8	70.7
Total	Lumens	3576.0	57.9	3633.9
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	32.6	0.9
20°-30°	133.5	3.7
30°-40°	346.9	9.5
40°-50°	659.6	18.2
50°-60°	888.0	24.4
60°-70°	841.2	23.1
70°-80°	527.1	14.5
80°-90°	144.7	4.0
90°-100°	40.5	1.1
100°-110°	7.5	0.2
110°-120°	3.6	0.1
120°-130°	2.6	0.1
130°-140°	1.7	0.0
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3576.0	98.4
0°-180°	3633.9	100.0

Coefficient of Utilization



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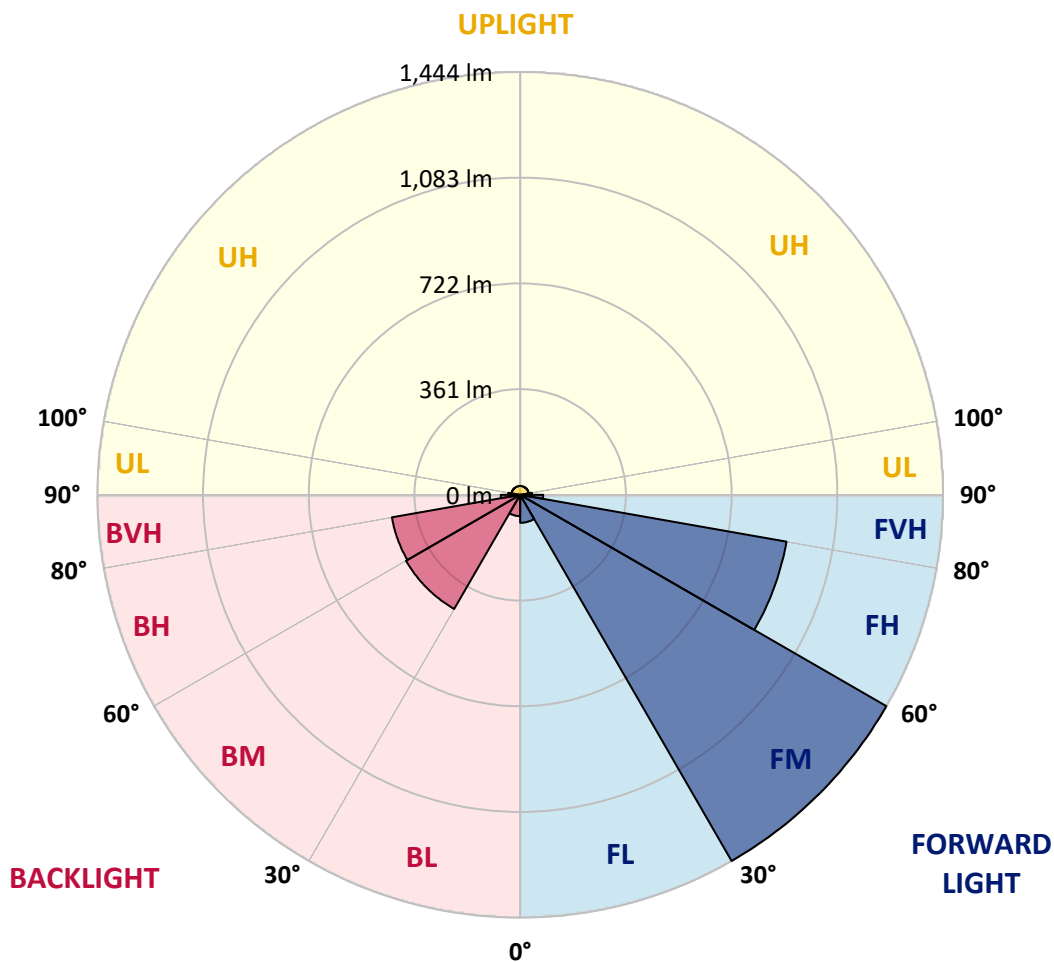
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.6	2.6			
FM	(30°-60°)	1444.2	39.7			
FH	(60°-80°)	923.5	25.4			G1/1800
FVH	(80°-90°)	78.5	2.2			G1/100
BL	(0°-30°)	72.8	2.0	B0/110		
BM	(30°-60°)	450.3	12.4	B1/1000		
BH	(60°-80°)	444.9	12.2	B1/500		G1/500
BVH	(80°-90°)	66.2	1.8			G1/100
UL	(90°-100°)	40.5	1.1		U2/50	
UH	(100°-180°)	30.0	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	4.8	4.4	4.8	4.8	4.4	4.0	3.6	3.2	2.8	2.0	1.6
5°	56.7	57.2	56.3	55.1	19.7	8.9	5.2	4.0	3.6	2.4	2.0
7.5°	65.2	64.8	64.4	63.6	60.8	57.2	31.0	7.2	5.6	3.2	2.0
10°	71.6	70.8	68.8	68.4	65.6	63.6	58.8	37.8	31.8	5.6	4.0
12.5°	130.4	127.6	125.2	103.4	72.4	68.4	65.6	57.2	55.9	35.8	53.5
15°	136.4	136.8	135.2	132.8	127.2	85.3	106.3	128.8	128.4	111.1	109.5
17.5°	155.0	153.7	147.7	141.7	139.7	151.7	150.5	143.7	143.7	127.2	120.3
20°	239.5	237.5	233.8	194.8	173.5	196.0	183.9	160.2	161.0	196.4	213.3
22.5°	277.3	276.5	269.3	252.0	245.5	216.1	242.3	250.7	245.9	248.7	238.3
25°	379.5	375.5	343.7	313.1	316.8	291.8	291.4	286.2	283.3	270.9	289.8
27.5°	483.0	479.8	472.5	429.4	365.9	351.8	329.2	359.4	351.4	380.3	386.8
30°	639.9	610.6	549.4	520.4	499.5	432.3	425.8	435.1	432.7	424.6	417.4
32.5°	803.3	791.3	755.5	649.6	583.2	544.6	525.6	497.1	483.8	570.3	576.3
35°	974.0	962.7	875.0	813.4	699.5	636.7	626.3	630.3	612.6	654.8	644.8
37.5°	1274.2	1268.6	1180.5	989.3	870.2	747.4	732.9	728.1	700.3	730.9	731.3
40°	1467.0	1457.8	1360.4	1219.5	1027.5	925.3	854.9	827.1	819.8	821.5	821.9
42.5°	1610.3	1595.4	1538.7	1409.1	1208.6	1088.7	989.3	935.8	950.3	922.1	920.5
45°	1703.3	1695.2	1643.7	1535.5	1396.6	1337.0	1161.2	1040.4	1089.1	1038.8	1036.4
47.5°	1724.2	1720.6	1684.8	1630.4	1572.5	1547.5	1368.4	1183.7	1228.4	1206.2	1161.2
50°	1633.3	1636.5	1623.2	1642.9	1706.1	1734.7	1587.0	1373.7	1398.2	1345.5	1287.9
52.5°	1434.4	1434.0	1482.3	1569.7	1755.2	1869.5	1789.4	1571.3	1570.1	1474.7	1409.5
55°	1151.5	1173.2	1254.9	1390.6	1688.0	1931.5	1981.4	1788.6	1754.8	1625.6	1517.7
57.5°	877.4	905.6	1005.8	1129.0	1496.8	1887.6	2121.1	1977.4	1942.4	1761.6	1632.5
60°	593.7	604.5	730.9	873.4	1190.5	1719.0	2186.7	2147.6	2109.0	1900.5	1748.4
62.5°	395.6	405.3	477.7	651.2	853.7	1397.0	2144.4	2291.3	2240.2	2064.7	1869.5
65°	263.2	263.2	299.0	419.0	580.8	970.0	1959.3	2351.3	2305.0	2159.7	1977.0
67.5°	194.0	197.2	208.9	270.1	395.6	580.4	1558.4	2240.6	2245.4	2170.6	2011.2
70°	175.9	177.9	188.0	203.7	282.5	345.3	1029.9	1919.4	2002.7	2088.5	1967.3
72.5°	153.7	154.6	170.7	187.6	222.6	264.8	598.9	1395.0	1570.1	1909.8	1846.6
75°	128.8	130.0	142.9	168.2	192.4	222.2	318.8	849.2	1023.5	1639.7	1686.8
77.5°	104.6	107.5	117.9	137.6	176.7	186.3	244.7	485.4	592.9	1221.1	1426.0
80°	80.5	83.3	92.6	108.3	144.5	164.6	203.3	298.6	359.4	759.1	996.5
82.5°	55.1	57.2	66.4	78.1	103.4	137.2	168.2	220.2	237.9	415.4	549.8
85°	39.0	40.2	46.3	51.5	64.4	90.2	140.5	174.7	179.5	220.2	223.8
87.5°	22.1	21.7	22.5	26.2	29.4	35.0	82.9	128.0	134.0	153.3	142.5
90°	15.3	14.9	12.5	12.1	13.7	14.9	47.1	101.8	107.1	123.6	126.8
92.5°	16.1	15.3	12.1	11.3	12.9	13.7	31.4	88.9	100.2	123.6	130.4
95°	15.3	14.5	10.9	9.7	11.7	12.1	19.3	61.2	78.9	115.5	127.6
97.5°	13.3	12.5	8.9	8.0	9.7	9.7	10.9	28.2	38.6	53.9	60.8
100°	10.9	10.1	7.2	6.4	6.8	7.2	6.8	14.1	14.1	14.9	11.7
102.5°	9.7	9.3	6.0	5.2	4.8	4.8	4.4	6.8	7.2	8.0	10.1
105°	8.5	8.0	5.2	4.4	3.6	3.6	3.2	4.4	4.8	6.8	9.7
107.5°	6.0	6.0	4.4	3.6	3.2	3.2	2.4	3.6	4.0	6.0	10.1
110°	4.0	4.0	3.2	3.2	2.8	3.2	2.4	3.6	3.6	4.8	7.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	3.2	3.2	2.8	2.4	2.0	2.4	2.8	3.2	3.2	3.6	4.8
115°	3.2	2.8	2.4	2.0	1.6	2.0	2.0	2.8	2.8	3.6	4.8
117.5°	3.2	3.2	2.4	2.0	1.6	1.6	2.0	2.4	2.4	3.6	5.2
120°	3.2	3.2	2.4	2.0	1.6	1.2	1.6	2.4	2.4	3.2	4.8
122.5°	3.2	3.2	2.4	2.0	1.6	1.2	1.6	2.0	2.0	2.8	4.8
125°	3.6	3.6	2.8	2.0	1.6	1.2	1.6	1.6	1.6	2.8	4.4
127.5°	3.6	3.6	2.8	2.0	1.6	1.2	1.6	1.6	1.6	2.4	3.6
130°	3.6	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2	2.0	3.2
132.5°	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.2	1.2	1.2	2.4
135°	3.2	3.2	2.8	2.4	2.0	1.6	1.6	1.2	1.2	1.2	1.6
137.5°	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.2	1.2	1.2	1.2
140°	3.6	3.6	3.6	3.2	2.4	2.0	1.6	1.2	1.2	1.2	1.2
142.5°	4.0	4.0	4.0	3.6	2.4	2.0	2.0	1.2	1.2	1.2	1.2
145°	4.4	4.4	4.4	3.6	2.4	2.0	2.0	1.6	1.6	1.2	1.6
147.5°	4.8	4.8	4.4	3.6	2.0	1.6	1.6	1.6	1.6	1.6	1.6
150°	4.4	4.0	4.0	2.8	1.6	0.8	1.2	1.2	1.2	1.6	1.6
152.5°	3.2	3.2	2.8	2.0	1.2	0.4	0.8	0.8	1.2	1.2	1.2
155°	2.0	2.0	1.6	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	1.6	1.6	2.0	2.4	2.4	2.8	2.8	2.8	2.8	2.8	2.8
5°	1.6	1.6	2.0	2.4	2.8	3.2	3.6	3.6	3.6	4.0	4.0
7.5°	2.0	2.0	2.0	2.8	3.2	4.4	12.1	36.2	55.9	57.6	58.4
10°	4.0	4.0	4.0	4.0	8.9	51.5	64.0	66.8	68.4	69.6	69.6
12.5°	53.9	53.5	19.3	9.7	44.3	66.8	70.8	72.8	74.5	75.7	76.1
15°	109.5	109.9	109.9	111.1	80.5	72.8	76.9	113.5	134.4	138.5	140.1
17.5°	119.9	119.9	119.5	133.2	149.7	118.3	132.0	144.1	148.1	150.1	150.9
20°	218.9	218.5	176.3	152.9	158.2	196.4	147.7	153.3	156.6	186.8	187.6
22.5°	241.5	240.3	235.0	236.3	186.3	212.5	202.4	196.4	215.3	214.5	215.3
25°	296.6	267.6	256.4	254.0	270.1	221.0	234.6	203.3	208.1	207.3	208.1
27.5°	388.4	377.9	351.8	297.4	287.8	272.9	235.0	213.3	239.9	245.9	246.7
30°	416.6	403.3	375.5	377.9	320.8	277.7	229.0	236.3	227.0	226.2	224.6
32.5°	571.1	553.8	512.0	412.1	357.4	260.8	230.2	214.9	219.8	235.9	236.7
35°	636.3	616.6	587.2	526.0	346.5	256.0	210.5	209.7	212.9	213.3	212.5
37.5°	710.4	684.6	656.8	554.2	361.8	231.8	196.4	196.8	204.1	218.1	216.5
40°	796.5	767.9	722.9	570.7	324.8	217.3	187.2	193.2	200.8	197.6	194.8
42.5°	893.5	846.8	776.0	567.5	282.5	200.4	184.7	188.8	187.6	181.5	179.9
45°	993.7	944.2	827.9	540.5	244.3	189.6	180.3	181.5	176.7	169.0	167.4
47.5°	1109.2	1044.0	857.3	501.1	213.7	188.8	179.1	175.1	165.8	159.0	158.6
50°	1225.5	1154.3	903.2	448.4	190.8	185.5	181.9	173.5	162.2	155.4	154.6
52.5°	1339.4	1277.1	952.7	404.1	173.5	181.9	183.1	174.3	162.2	152.1	151.7
55°	1453.8	1399.0	1006.2	369.1	161.8	181.5	187.6	176.7	164.6	149.7	149.3
57.5°	1568.5	1515.3	1057.7	345.7	156.6	176.3	190.4	184.3	171.1	158.6	159.4
60°	1704.5	1641.7	1118.5	329.2	154.6	173.5	192.8	193.2	175.1	161.0	163.0
62.5°	1838.1	1774.5	1170.0	313.9	149.3	170.7	194.0	200.0	183.9	171.9	173.9
65°	1962.5	1886.8	1193.8	284.6	142.9	167.4	201.2	206.1	190.8	189.6	192.0
67.5°	2010.0	1939.5	1170.4	247.9	138.9	167.4	208.9	214.5	198.0	204.5	210.9
70°	1964.1	1905.3	1111.6	202.0	140.1	168.6	210.1	218.5	208.5	213.7	219.4
72.5°	1821.6	1746.8	968.8	162.6	140.1	167.0	204.9	212.1	204.5	221.8	227.4
75°	1641.7	1511.3	771.1	134.0	136.0	166.2	192.8	201.2	193.6	211.7	217.7
77.5°	1356.0	1188.9	533.3	118.3	130.4	159.0	180.3	181.9	174.3	185.1	188.0
80°	956.3	801.3	337.7	107.1	124.8	143.7	159.8	157.0	149.3	151.3	153.7
82.5°	533.3	423.8	196.8	98.6	117.1	119.5	130.8	131.6	121.5	122.0	122.4
85°	211.7	196.0	133.2	82.9	94.6	86.1	97.8	101.8	92.2	80.9	78.5
87.5°	140.5	133.2	93.0	56.7	58.0	48.7	63.6	66.0	54.3	47.1	46.7
90°	133.6	129.6	80.1	38.2	32.2	26.6	35.4	34.2	26.2	22.9	23.3
92.5°	137.6	135.2	81.3	36.6	31.4	25.4	31.4	27.0	19.7	17.3	17.7
95°	135.6	134.4	79.3	35.8	29.8	23.3	26.6	21.7	15.3	13.7	13.7
97.5°	64.4	68.0	49.1	32.2	26.6	19.7	20.5	16.5	10.9	10.1	9.7
100°	9.7	15.3	26.6	29.8	19.7	13.7	13.3	10.9	6.8	6.4	6.4
102.5°	10.1	10.9	16.5	20.5	10.9	7.2	7.2	6.4	5.2	6.0	6.0
105°	10.9	10.1	9.7	11.3	6.4	4.4	4.0	4.0	4.4	6.4	6.8
107.5°	11.7	10.9	7.6	6.0	4.8	4.0	3.2	2.8	4.0	6.8	7.2
110°	8.9	8.5	6.4	4.8	4.8	4.4	2.8	2.8	4.4	7.2	8.0



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.2	6.0	5.6	4.4	4.0	4.0	2.8	2.8	4.4	7.6	8.5
115°	5.6	5.6	4.8	3.6	3.2	3.2	2.8	2.4	4.4	8.0	8.5
117.5°	5.6	5.6	4.8	3.6	2.8	2.4	2.4	2.4	4.4	8.0	8.5
120°	5.6	5.6	4.8	3.2	2.8	2.4	2.4	2.4	4.4	7.6	8.5
122.5°	5.2	5.2	4.4	3.2	2.4	2.4	2.4	2.4	4.4	7.2	7.6
125°	4.8	4.8	4.0	2.8	2.4	2.0	2.4	2.4	4.0	6.4	6.8
127.5°	4.0	4.4	3.6	2.8	2.4	2.0	2.4	2.4	3.6	5.6	6.0
130°	3.6	3.6	3.2	2.4	2.0	2.0	2.4	2.4	3.6	5.2	5.6
132.5°	2.8	2.8	2.4	2.4	2.0	2.0	2.0	2.0	2.8	4.4	4.4
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.2	3.6
137.5°	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8	2.8
140°	1.2	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4
142.5°	1.2	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.4	2.8	2.8
145°	1.6	1.6	2.0	2.0	2.0	1.6	2.0	2.0	2.4	2.8	2.8
147.5°	1.6	1.6	2.0	2.0	2.0	1.6	1.6	2.0	2.4	2.8	2.8
150°	1.6	1.6	2.0	2.0	1.6	1.2	1.6	1.6	2.0	2.8	2.8
152.5°	1.6	1.6	1.6	1.6	1.2	0.8	1.2	1.2	1.6	2.0	2.0
155°	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.6
157.5°	0.8	0.8	0.8	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8
160°	0.4	0.4	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
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)