

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: P415028

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR 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: 109.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

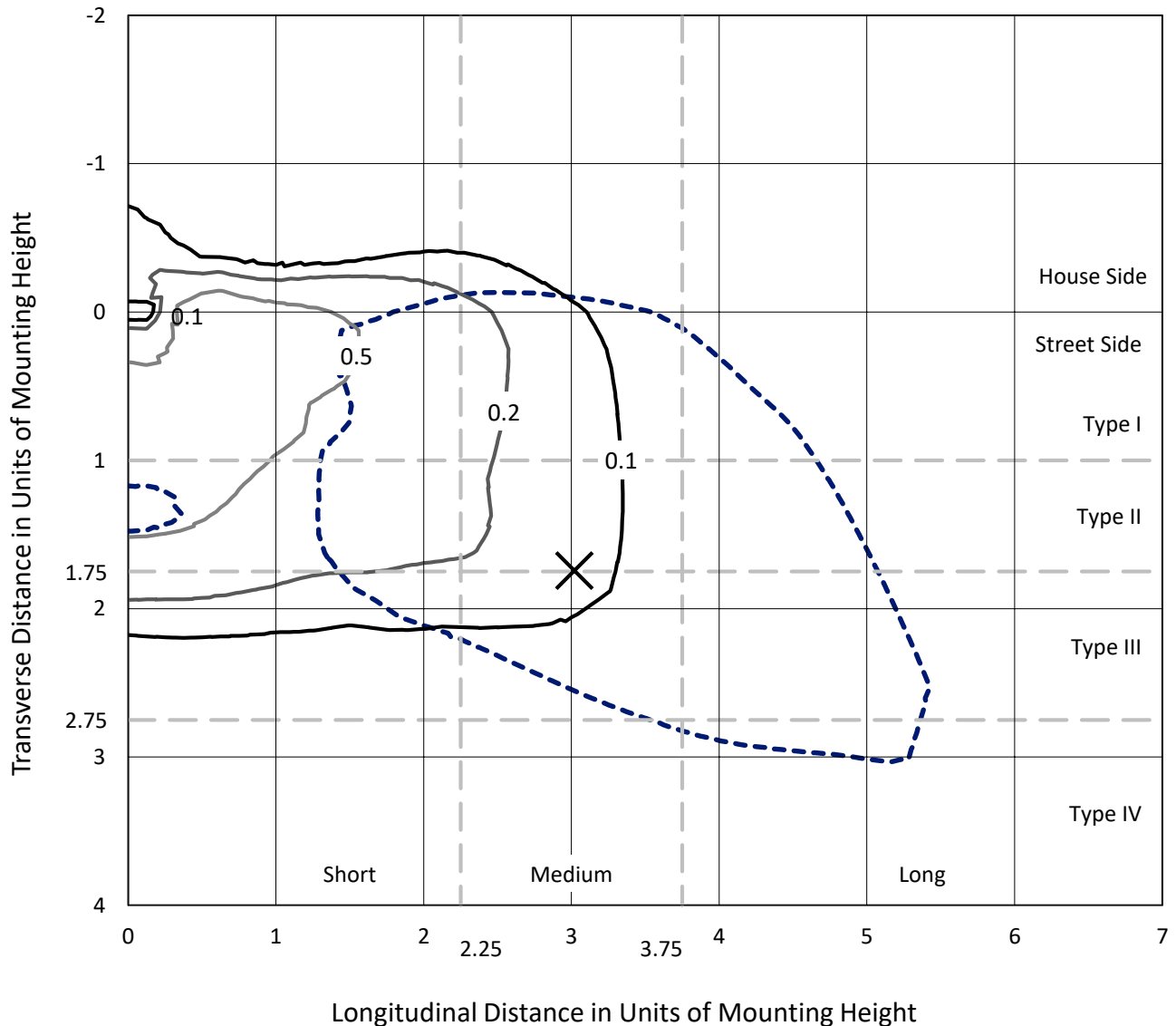
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

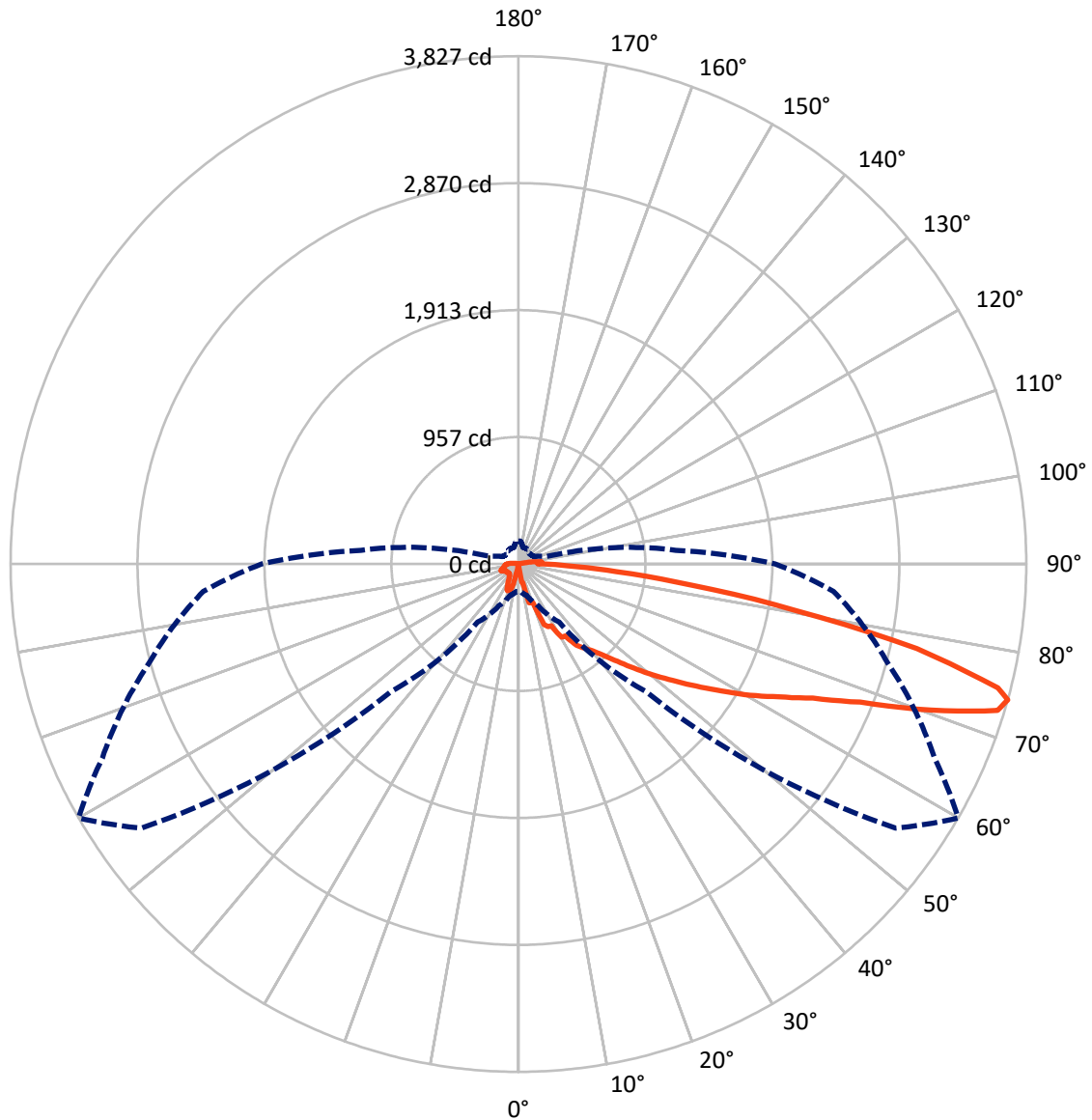
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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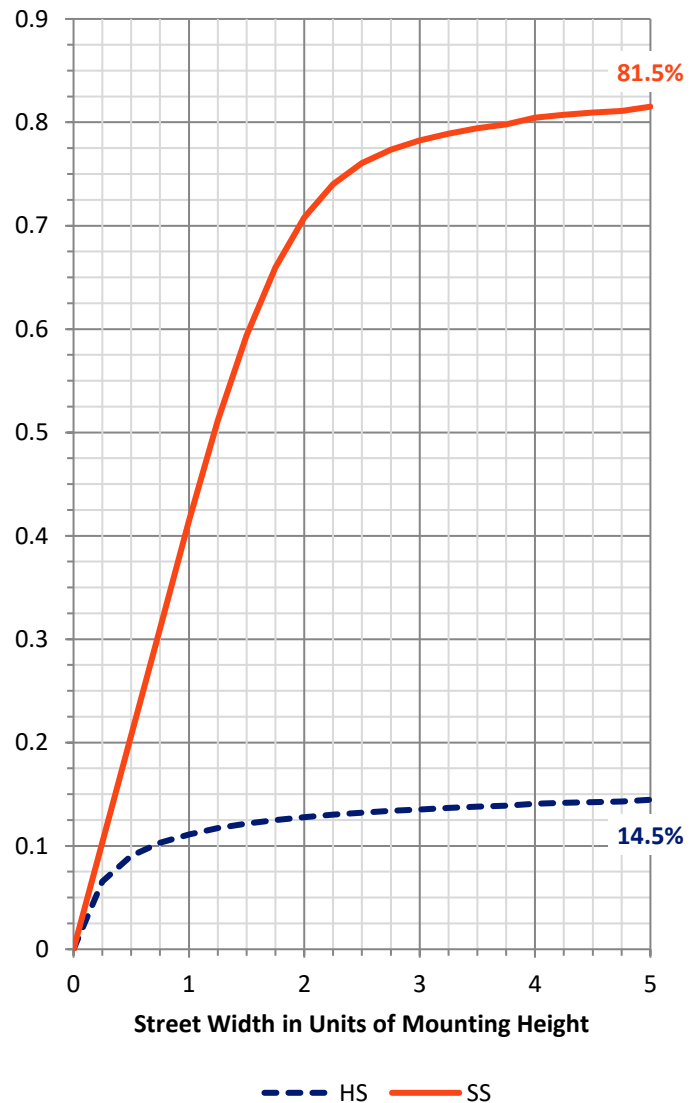
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.3	42.5	712.8
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	3609.7	45.5	3655.2
	% Fixture	82.6	1.0	83.7
Total	Lumens	4280.0	88.0	4368.1
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	55.8	1.3
20°-30°	168.9	3.9
30°-40°	338.1	7.7
40°-50°	580.0	13.3
50°-60°	884.2	20.2
60°-70°	1089.4	24.9
70°-80°	910.7	20.9
80°-90°	248.0	5.7
90°-100°	64.1	1.5
100°-110°	11.5	0.3
110°-120°	4.3	0.1
120°-130°	3.2	0.1
130°-140°	2.3	0.1
140°-150°	1.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4280.0	98.0
0°-180°	4368.1	100.0



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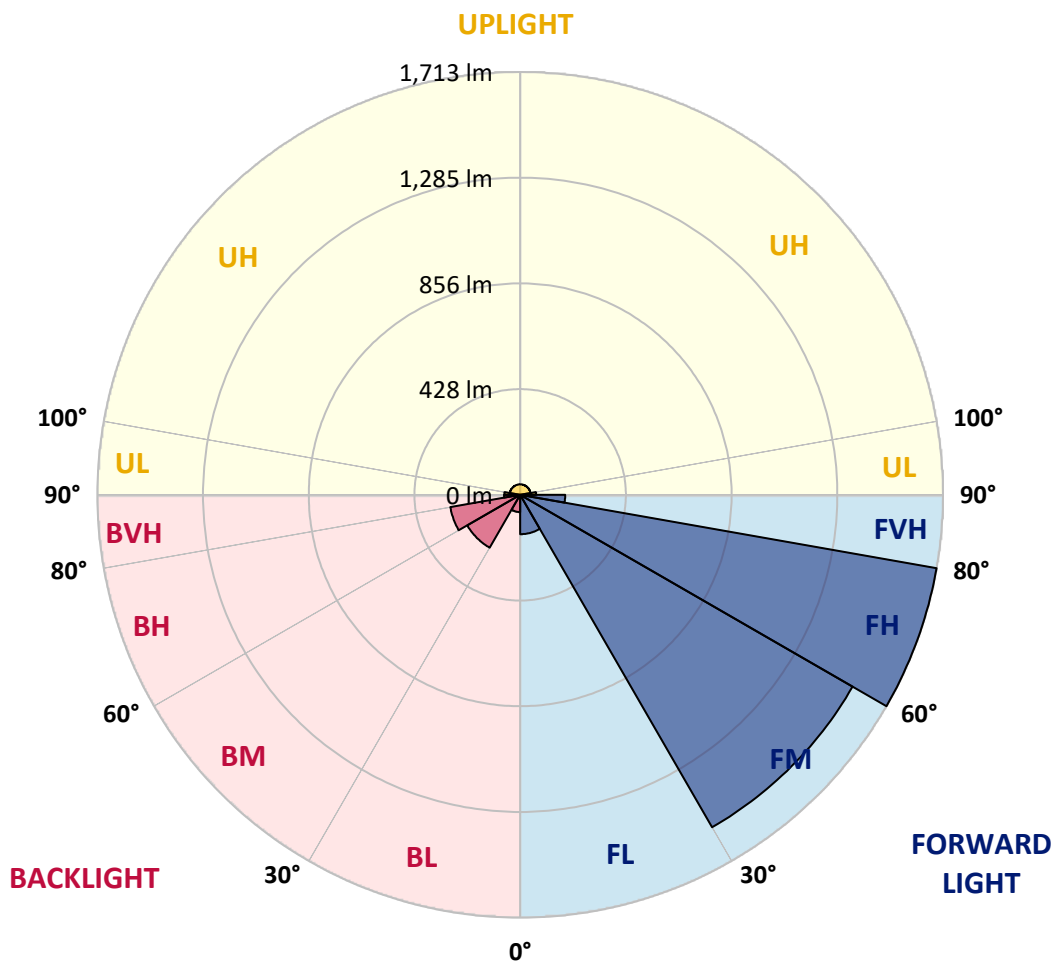
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.5	3.7			
FM	(30°-60°)	1555.0	35.6			
FH	(60°-80°)	1712.9	39.2			G1/1800
FVH	(80°-90°)	182.3	4.2			G2/225
BL	(0°-30°)	70.0	1.6	B0/110		
BM	(30°-60°)	247.3	5.7	B1/1000		
BH	(60°-80°)	287.3	6.6	B1/500		G1/500
BVH	(80°-90°)	65.7	1.5			G1/100
UL	(90°-100°)	64.1	1.5		U3/500	
UH	(100°-180°)	42.5	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.5	5.0	4.5	5.0	5.5	5.0	4.0	3.5	3.0	3.0	3.0
5°	145.6	143.6	142.6	111.2	26.4	16.5	6.5	4.5	4.0	3.0	3.0
7.5°	147.6	145.6	146.1	145.6	143.1	143.1	46.4	17.0	9.5	3.5	3.5
10°	155.6	152.6	148.6	148.1	147.1	145.6	143.1	140.1	31.9	5.5	5.0
12.5°	287.2	285.7	283.7	218.9	158.6	147.6	146.1	142.6	109.7	20.9	96.7
15°	285.2	284.7	281.2	282.7	282.2	160.6	182.0	303.7	291.7	211.4	243.8
17.5°	299.2	297.7	287.2	280.7	281.2	320.6	297.7	299.7	300.7	267.3	261.3
20°	405.9	403.4	402.4	390.9	285.7	376.5	383.9	311.1	318.6	414.9	463.7
22.5°	410.9	407.4	403.4	400.4	450.8	375.0	405.9	495.6	473.2	549.0	517.6
25°	555.0	545.5	506.1	409.9	450.3	431.8	525.1	522.6	494.6	572.9	553.5
27.5°	600.8	594.4	565.4	543.5	459.2	517.1	522.1	527.5	622.3	790.3	736.5
30°	804.8	754.4	624.3	610.8	548.0	521.6	596.9	639.7	700.1	793.8	778.8
32.5°	921.5	897.0	834.2	738.0	641.7	570.4	647.2	647.2	703.6	959.4	984.8
35°	1110.4	1031.7	909.0	843.7	732.0	682.6	667.2	751.4	831.7	1007.7	1006.2
37.5°	1178.7	1171.3	1125.4	924.9	860.6	742.5	777.9	803.8	871.6	1077.5	1074.5
40°	1216.1	1232.6	1236.1	1100.5	955.9	857.6	845.2	859.6	924.9	1175.8	1137.9
42.5°	1342.8	1348.8	1367.2	1212.7	1098.5	983.3	948.4	942.4	987.8	1289.9	1221.6
45°	1547.2	1550.2	1536.8	1341.8	1214.6	1107.9	1069.0	1046.1	1086.0	1403.1	1327.8
47.5°	1781.6	1788.6	1723.7	1487.9	1320.4	1228.1	1207.2	1171.8	1197.2	1505.3	1460.0
50°	1968.1	1966.1	1850.4	1606.1	1427.1	1351.3	1344.8	1311.9	1314.9	1629.5	1602.6
52.5°	2016.4	2013.4	1914.7	1693.3	1524.3	1479.4	1508.8	1458.0	1431.5	1758.1	1750.7
55°	1943.6	1949.1	1902.7	1729.7	1586.1	1592.1	1668.4	1624.5	1588.6	1879.8	1891.8
57.5°	1838.4	1831.9	1838.9	1743.7	1634.5	1702.3	1858.4	1803.5	1769.1	2017.4	2030.9
60°	1643.5	1634.5	1724.7	1728.7	1679.4	1827.0	2060.3	2007.0	1958.6	2162.5	2148.1
62.5°	1346.8	1335.3	1498.4	1637.0	1730.7	1973.1	2259.8	2201.9	2155.1	2316.6	2289.2
65°	896.5	950.9	1141.8	1436.5	1711.8	2183.5	2523.5	2436.8	2351.5	2474.7	2469.7
67.5°	520.1	559.0	699.1	1021.7	1555.7	2363.5	2941.9	2777.3	2630.2	2653.7	2642.2
70°	322.6	334.6	395.4	589.4	1096.5	2304.1	3405.6	3299.4	2987.8	2853.1	2669.1
72.5°	250.3	258.3	293.2	384.9	666.7	1782.1	3626.0	3775.1	3348.8	2905.5	2536.5
74°	204.9	209.9	246.3	344.5	535.0	1358.7	3469.4	3826.9	3459.4	2880.0	2383.9
75°	162.1	167.0	207.9	330.6	508.6	1084.0	3237.6	3730.7	3462.9	2840.7	2199.9
77.5°	99.2	102.7	112.2	228.4	462.2	619.3	2388.9	3071.0	3069.0	2359.0	1577.6
80°	78.8	79.8	83.8	120.2	376.5	561.4	1512.8	2119.6	2104.2	1416.1	808.3
82.5°	54.3	58.3	66.3	77.8	200.4	550.0	953.9	1316.9	1135.9	539.0	338.1
85°	36.4	39.4	50.4	57.8	107.2	585.4	684.6	741.0	559.0	266.8	222.9
87.5°	15.0	15.5	22.9	27.9	43.4	280.7	460.7	367.0	257.3	169.0	181.5
90°	8.0	8.0	6.0	6.5	16.0	60.3	150.6	146.1	121.2	139.1	170.5
92.5°	9.0	9.0	6.0	6.5	15.5	47.4	163.0	166.5	139.1	148.1	182.5
95°	10.0	10.0	6.0	6.0	15.0	32.4	156.6	176.0	143.1	155.6	184.0
97.5°	11.0	11.5	5.5	5.5	12.0	24.4	98.2	120.2	93.2	80.8	88.3
100°	11.5	11.5	5.0	5.0	8.0	17.5	45.4	57.8	44.9	20.9	14.5
102.5°	11.5	12.0	5.0	4.5	5.5	11.0	14.5	20.9	16.5	12.5	13.5
105°	11.0	12.0	5.0	4.5	4.5	6.0	7.5	8.5	9.0	9.0	14.0
107.5°	8.5	9.5	4.0	4.5	4.0	4.0	3.0	3.5	4.5	8.0	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.0	6.0	3.0	4.0	3.5	4.0	2.5	3.0	4.0	6.0	11.5
112.5°	3.0	2.5	2.0	3.0	3.0	3.5	2.5	2.5	3.5	5.0	8.0
115°	2.0	2.5	1.5	2.0	2.5	2.5	2.0	2.5	3.0	5.0	8.5
117.5°	2.0	2.0	1.5	2.0	2.5	2.0	2.0	2.5	3.0	5.0	8.5
120°	2.5	2.0	1.5	2.0	2.0	1.5	2.0	2.5	2.5	5.0	8.5
122.5°	2.5	2.5	2.0	2.0	2.0	1.5	2.0	2.0	2.5	5.0	8.0
125°	3.0	2.5	2.0	2.0	2.0	1.5	2.0	2.0	2.5	4.5	7.5
127.5°	3.0	3.0	2.0	2.0	2.5	1.5	2.0	2.0	2.5	4.0	7.0
130°	3.0	3.0	2.5	2.0	2.5	2.0	2.0	2.0	2.5	3.5	6.0
132.5°	3.0	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	3.0	5.0
135°	3.5	3.0	2.5	2.5	3.0	2.0	2.0	2.0	2.0	2.5	3.5
137.5°	3.5	3.5	3.0	3.0	3.5	2.5	2.0	2.5	2.5	2.5	3.0
140°	4.0	4.0	4.0	3.5	3.5	2.5	2.5	2.5	2.5	3.0	3.0
142.5°	5.0	4.5	4.5	4.0	3.5	2.5	2.5	2.5	3.0	3.0	3.0
145°	5.5	5.5	5.0	4.5	3.5	2.5	2.5	3.0	3.0	3.5	3.5
147.5°	5.5	5.5	5.0	4.0	3.0	2.0	2.5	3.0	3.0	3.5	4.0
150°	5.5	5.0	4.5	3.5	2.5	1.5	2.0	2.5	3.0	3.5	4.0
152.5°	4.0	4.0	3.5	2.5	2.0	1.0	1.5	2.0	2.5	3.0	3.5
155°	2.5	2.5	2.0	1.5	1.5	1.0	1.5	2.0	2.0	2.5	3.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.0
160°	0.5	0.5	1.0	0.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.0	3.0	3.0	2.5	2.5	1.5	2.0	2.0	2.5	3.0	3.5
5°	3.0	3.5	3.0	2.5	2.5	2.0	2.5	2.5	2.5	3.5	3.5
7.5°	3.5	3.5	3.0	3.0	2.5	2.0	3.5	107.7	123.7	127.6	128.6
10°	4.5	4.5	4.0	3.5	3.0	116.2	128.1	128.1	127.1	128.1	128.1
12.5°	99.2	106.7	17.0	8.5	95.7	120.7	117.7	115.7	113.7	111.7	110.7
15°	241.3	233.9	214.4	161.1	148.6	110.7	101.7	141.1	150.6	153.1	152.6
17.5°	254.8	242.8	213.4	223.9	196.5	141.6	127.6	126.7	121.2	121.2	121.7
20°	479.2	451.8	291.2	218.4	170.5	171.5	109.2	97.2	101.7	108.2	112.2
22.5°	492.1	456.2	340.6	284.2	153.6	138.6	106.7	94.2	127.1	140.1	141.1
25°	525.1	467.7	345.0	239.3	173.5	113.7	106.2	98.2	116.7	128.6	127.6
27.5°	711.0	630.8	438.3	220.4	137.1	107.2	100.2	94.2	116.2	135.6	135.1
30°	710.0	621.8	404.9	202.9	113.2	99.7	91.2	102.7	108.2	115.7	116.2
32.5°	922.0	790.3	442.8	168.5	100.2	86.3	90.3	93.7	98.2	117.2	121.2
35°	926.4	772.9	384.4	154.6	92.2	82.3	84.8	92.7	102.2	114.2	115.2
37.5°	944.4	763.9	319.1	127.6	94.7	83.3	88.3	97.2	94.7	111.2	113.2
40°	977.3	766.4	268.3	114.2	93.2	83.3	92.2	93.7	94.2	102.7	103.7
42.5°	1028.2	779.8	225.4	108.2	91.7	90.3	89.3	89.8	86.3	103.2	105.2
45°	1100.5	807.8	192.5	106.2	91.7	105.2	93.2	89.8	82.3	118.7	127.1
47.5°	1207.2	862.6	173.0	106.7	92.2	100.7	92.2	87.3	85.8	138.6	144.6
50°	1327.8	925.4	160.1	108.7	92.2	99.2	90.7	89.8	95.2	140.6	142.1
52.5°	1457.5	1009.2	155.6	110.7	99.2	100.7	103.2	102.7	91.7	112.7	112.7
55°	1589.1	1096.0	157.1	113.2	104.7	103.2	110.2	97.2	78.8	83.8	82.8
57.5°	1713.3	1197.2	167.5	111.7	101.2	102.2	111.2	91.2	78.8	83.8	85.8
60°	1847.9	1306.9	196.5	107.7	99.7	99.2	109.7	96.2	78.8	96.2	96.7
62.5°	2011.9	1458.0	259.3	111.7	107.7	102.2	110.2	106.2	90.3	92.2	94.2
65°	2205.9	1614.0	319.1	127.1	113.7	102.7	108.7	111.7	102.2	98.7	98.2
67.5°	2348.0	1652.4	321.6	147.6	121.7	108.2	109.7	121.7	111.7	113.7	112.7
70°	2312.1	1547.7	278.7	156.1	126.7	112.7	112.7	126.2	117.7	135.1	135.6
72.5°	2136.6	1343.8	235.4	144.6	120.2	114.2	125.2	130.6	125.2	162.6	160.6
74°	1935.2	1190.2	216.4	131.6	117.7	113.7	128.6	130.6	129.1	173.5	172.0
75°	1780.6	1069.5	205.9	124.2	116.2	112.2	129.6	131.1	130.6	175.0	174.5
77.5°	1230.6	722.5	180.0	110.7	113.7	112.2	129.1	134.1	137.6	174.0	172.5
80°	631.3	395.4	150.1	104.7	112.7	115.2	127.6	129.6	135.1	164.5	163.0
82.5°	316.6	227.9	110.2	96.2	114.2	125.2	128.1	125.7	127.1	151.6	149.1
85°	203.9	157.6	73.3	80.8	116.2	135.6	127.6	117.2	119.2	132.1	131.1
87.5°	164.0	116.7	44.9	62.8	123.7	124.2	116.7	103.7	101.2	103.7	102.2
90°	151.6	108.2	37.9	59.3	119.7	103.7	95.2	84.8	75.8	76.3	73.3
92.5°	163.0	113.2	40.4	58.8	95.2	72.8	69.8	64.3	53.4	47.4	44.4
95°	160.6	108.7	40.9	49.9	69.8	41.4	49.4	45.4	32.9	24.9	23.4
97.5°	77.3	54.8	36.4	38.9	40.9	31.4	41.9	38.4	23.9	15.5	14.5
100°	14.5	20.4	32.4	36.9	32.4	24.4	32.9	29.4	13.0	8.0	7.5
102.5°	14.0	11.5	24.4	33.4	20.4	14.0	18.0	16.5	8.5	6.0	6.0
105°	14.5	11.5	11.5	22.9	12.5	6.5	5.5	8.0	6.0	6.0	6.5
107.5°	15.0	11.5	7.0	7.5	6.0	5.0	4.0	4.0	4.5	6.5	7.0



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.0	10.0	6.5	6.0	5.5	5.0	4.0	3.5	4.5	7.0	7.5
112.5°	8.5	8.0	6.0	5.0	4.5	4.5	3.5	3.0	4.5	7.5	8.0
115°	8.5	8.0	5.0	4.5	3.5	4.0	3.5	3.0	4.5	8.5	9.0
117.5°	9.0	7.5	5.0	4.0	3.0	3.0	3.0	3.0	5.0	8.5	9.0
120°	9.0	7.5	5.0	3.5	3.0	2.5	3.0	3.0	5.0	8.5	9.5
122.5°	8.5	7.5	4.5	3.5	3.0	2.5	2.5	2.5	4.5	8.5	9.0
125°	8.0	7.0	4.5	3.5	3.0	2.0	2.5	2.5	4.5	8.0	9.0
127.5°	7.5	6.5	4.5	3.5	2.5	2.0	2.5	2.5	4.5	7.5	8.5
130°	6.5	6.0	4.0	3.0	2.5	2.0	2.5	2.5	4.5	7.0	8.0
132.5°	5.5	5.0	3.5	3.0	2.5	2.0	2.5	2.0	3.5	6.5	7.0
135°	4.0	4.0	3.5	2.5	2.5	1.5	2.0	2.0	3.0	5.0	5.5
137.5°	3.5	3.5	3.0	2.5	2.5	1.5	2.0	1.5	2.5	4.0	4.5
140°	3.5	3.5	3.0	2.5	2.0	1.5	1.5	1.5	2.0	3.5	3.5
142.5°	3.5	3.5	3.0	2.5	2.0	1.5	1.5	1.5	2.0	3.0	3.5
145°	3.5	3.5	3.5	3.0	2.0	1.5	1.5	1.5	2.0	3.0	3.0
147.5°	4.0	4.0	3.5	2.5	2.0	1.0	1.0	1.5	2.0	3.0	3.0
150°	4.0	4.0	3.5	2.5	2.0	1.0	0.5	1.0	1.5	2.5	3.0
152.5°	3.5	3.5	3.0	2.5	1.5	1.0	0.5	1.0	1.5	2.5	2.5
155°	3.0	3.0	2.5	2.0	1.5	0.5	0.0	0.5	1.0	2.0	2.0
157.5°	2.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	0.5	1.5	1.5
160°	2.0	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.5	1.0	1.0
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)