

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: P414560

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414560
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-PA1-30-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 3097 lumens
Efficiency: N/A
Efficacy: 99.9 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 - U2 - G2

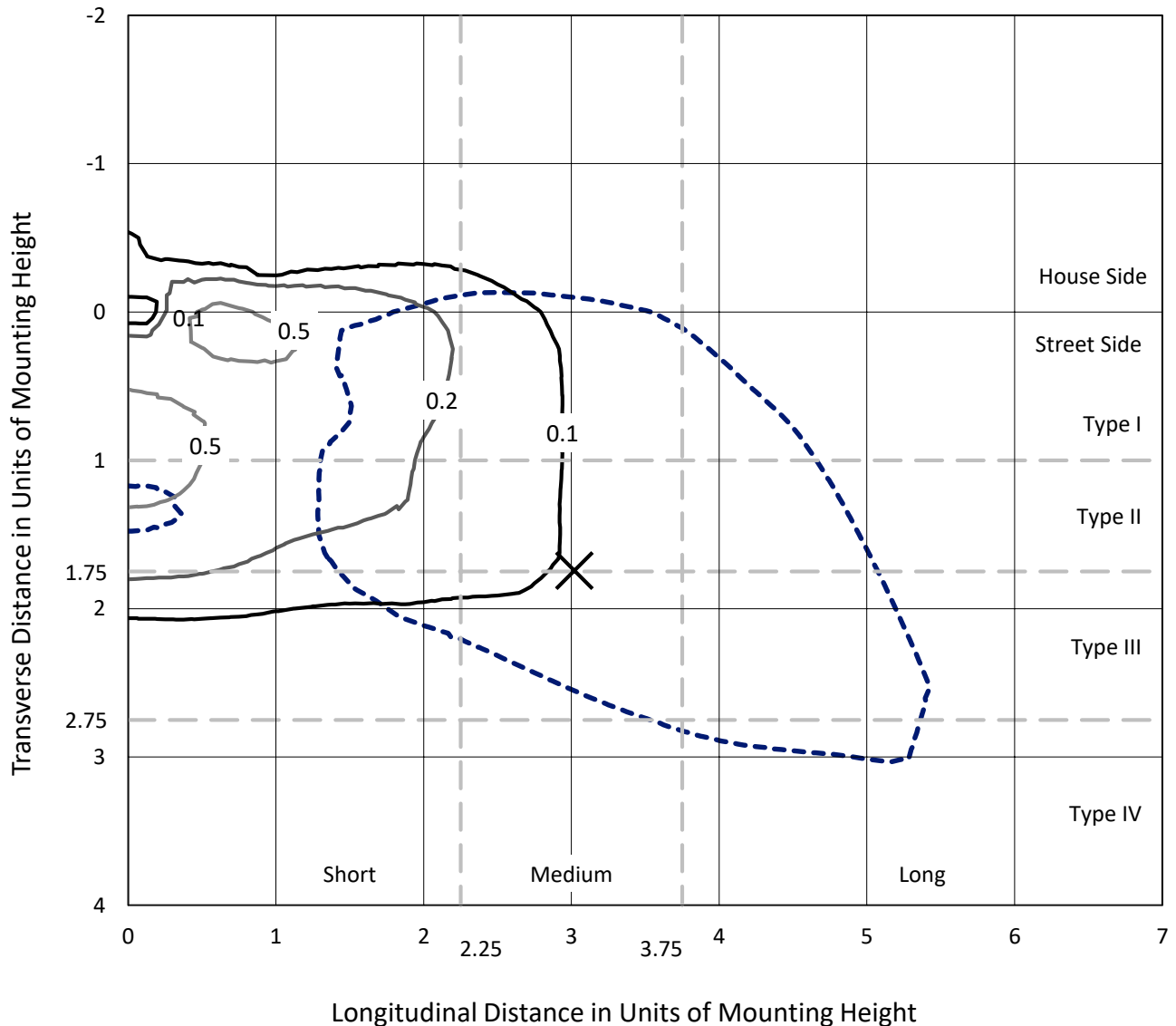
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

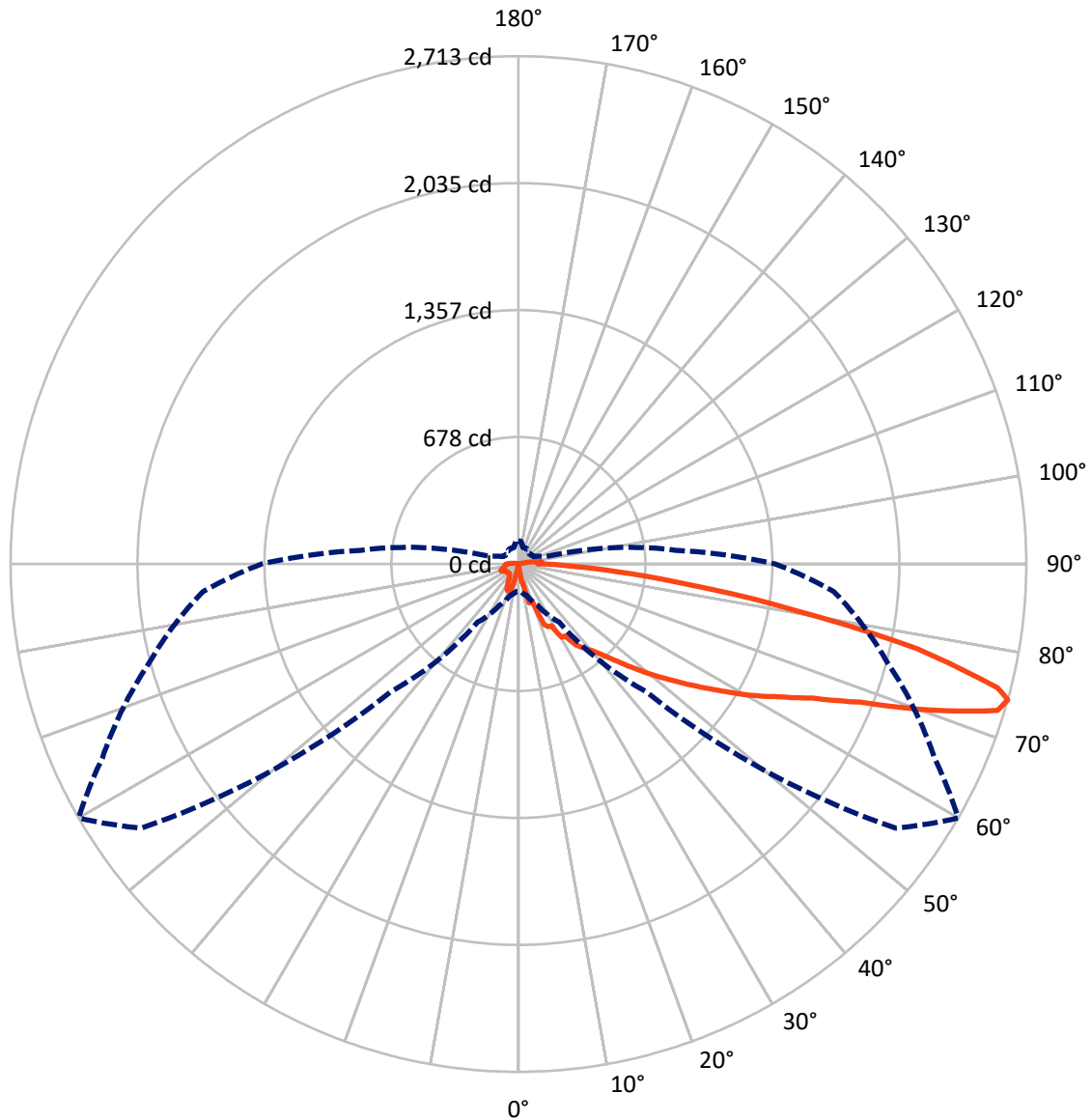
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	475.3	30.1	505.4
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	2559.3	32.3	2591.6
	% Fixture	82.6	1.0	83.7
Total	Lumens	3034.6	62.4	3097.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	39.6	1.3
20°-30°	119.8	3.9
30°-40°	239.7	7.7
40°-50°	411.2	13.3
50°-60°	626.9	20.2
60°-70°	772.4	24.9
70°-80°	645.7	20.9
80°-90°	175.9	5.7
90°-100°	45.4	1.5
100°-110°	8.1	0.3
110°-120°	3.0	0.1
120°-130°	2.3	0.1
130°-140°	1.6	0.1
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3034.6	98.0
0°-180°	3097.0	100.0



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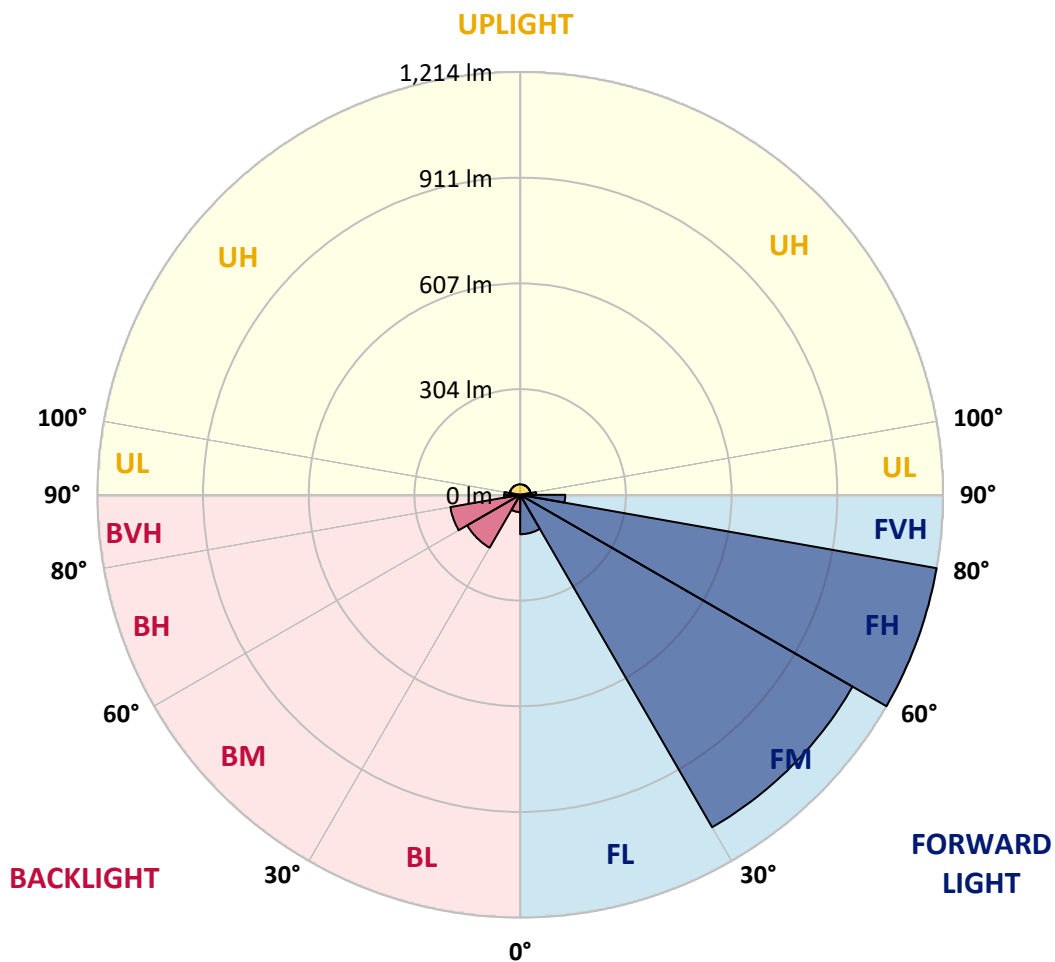
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.1	3.7			
FM	(30°-60°)	1102.5	35.6			
FH	(60°-80°)	1214.5	39.2			G1/1800
FVH	(80°-90°)	129.3	4.2			G2/225
BL	(0°-30°)	49.7	1.6	B0/110		
BM	(30°-60°)	175.4	5.7	B0/220		
BH	(60°-80°)	203.7	6.6	B1/500		G1/500
BVH	(80°-90°)	46.6	1.5			G1/100
UL	(90°-100°)	45.4	1.5		U2/50	
UH	(100°-180°)	30.1	1.0		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.9	3.5	3.2	3.5	3.9	3.5	2.8	2.5	2.1	2.1	2.1
5°	103.2	101.8	101.1	78.8	18.7	11.7	4.6	3.2	2.8	2.1	2.1
7.5°	104.6	103.2	103.6	103.2	101.5	101.5	32.9	12.0	6.7	2.5	2.5
10°	110.3	108.2	105.4	105.0	104.3	103.2	101.5	99.3	22.6	3.9	3.5
12.5°	203.6	202.6	201.2	155.2	112.4	104.6	103.6	101.1	77.8	14.8	68.6
15°	202.2	201.9	199.4	200.5	200.1	113.8	129.0	215.3	206.8	149.9	172.9
17.5°	212.1	211.1	203.6	199.0	199.4	227.3	211.1	212.5	213.2	189.5	185.3
20°	287.8	286.0	285.3	277.2	202.6	266.9	272.2	220.6	225.9	294.1	328.8
22.5°	291.3	288.8	286.0	283.9	319.6	265.9	287.8	351.4	335.5	389.2	367.0
25°	393.5	386.8	358.8	290.6	319.2	306.2	372.3	370.5	350.7	406.2	392.4
27.5°	426.0	421.4	400.9	385.4	325.6	366.6	370.2	374.0	441.2	560.4	522.2
30°	570.6	534.9	442.6	433.1	388.5	369.8	423.2	453.6	496.4	562.8	552.2
32.5°	653.3	636.0	591.5	523.2	455.0	404.4	458.9	458.9	498.8	680.2	698.2
35°	787.3	731.5	644.5	598.2	519.0	484.0	473.0	532.8	589.7	714.5	713.4
37.5°	835.8	830.5	797.9	655.8	610.2	526.4	551.5	569.9	618.0	764.0	761.9
40°	862.3	873.9	876.4	780.2	677.7	608.1	599.2	609.5	655.8	833.6	806.8
42.5°	952.1	956.3	969.4	859.8	778.8	697.2	672.4	668.2	700.4	914.6	866.2
45°	1097.0	1099.1	1089.6	951.4	861.2	785.6	758.0	741.7	770.0	994.8	941.5
47.5°	1263.2	1268.1	1222.2	1054.9	936.2	870.8	855.9	830.8	848.8	1067.3	1035.1
50°	1395.4	1394.0	1312.0	1138.7	1011.8	958.1	953.5	930.1	932.3	1155.3	1136.3
52.5°	1429.7	1427.6	1357.6	1200.6	1080.8	1048.9	1069.8	1033.7	1015.0	1246.6	1241.3
55°	1378.1	1382.0	1349.1	1226.4	1124.6	1128.8	1182.9	1151.8	1126.4	1332.8	1341.3
57.5°	1303.5	1298.9	1303.8	1236.3	1158.9	1207.0	1317.6	1278.7	1254.3	1430.4	1439.9
60°	1165.2	1158.9	1222.9	1225.7	1190.7	1295.3	1460.8	1423.0	1388.7	1533.3	1523.0
62.5°	954.9	946.8	1062.4	1160.7	1227.1	1398.9	1602.2	1561.2	1528.0	1642.5	1623.1
65°	635.7	674.2	809.6	1018.5	1213.7	1548.1	1789.2	1727.7	1667.3	1754.6	1751.1
67.5°	368.7	396.3	495.7	724.4	1103.0	1675.8	2085.9	1969.2	1864.9	1881.5	1873.4
70°	228.7	237.2	280.4	417.9	777.4	1633.7	2414.6	2339.3	2118.4	2022.9	1892.5
72.5°	177.5	183.1	207.9	272.9	472.7	1263.5	2570.9	2676.6	2374.3	2060.0	1798.4
74°	145.3	148.8	174.6	244.3	379.3	963.4	2459.9	2713.4	2452.8	2042.0	1690.2
75°	114.9	118.4	147.4	234.4	360.6	768.6	2295.5	2645.1	2455.3	2014.1	1559.8
77.5°	70.4	72.8	79.5	161.9	327.7	439.1	1693.8	2177.4	2176.0	1672.6	1118.6
80°	55.9	56.6	59.4	85.2	266.9	398.1	1072.6	1502.9	1491.9	1004.0	573.1
82.5°	38.5	41.4	47.0	55.2	142.1	389.9	676.3	933.7	805.4	382.2	239.7
85°	25.8	27.9	35.7	41.0	76.0	415.0	485.4	525.4	396.3	189.1	158.0
87.5°	10.6	11.0	16.3	19.8	30.8	199.0	326.7	260.2	182.4	119.8	128.7
90°	5.7	5.7	4.2	4.6	11.3	42.8	106.8	103.6	85.9	98.6	120.9
92.5°	6.4	6.4	4.2	4.6	11.0	33.6	115.6	118.1	98.6	105.0	129.4
95°	7.1	7.1	4.2	4.2	10.6	23.0	111.0	124.8	101.5	110.3	130.5
97.5°	7.8	8.1	3.9	3.9	8.5	17.3	69.6	85.2	66.1	57.3	62.6
100°	8.1	8.1	3.5	3.5	5.7	12.4	32.2	41.0	31.8	14.8	10.3
102.5°	8.1	8.5	3.5	3.2	3.9	7.8	10.3	14.8	11.7	8.8	9.5
105°	7.8	8.5	3.5	3.2	3.2	4.2	5.3	6.0	6.4	6.4	9.9
107.5°	6.0	6.7	2.8	3.2	2.8	2.8	2.1	2.5	3.2	5.7	9.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.2	4.2	2.1	2.8	2.5	2.8	1.8	2.1	2.8	4.2	8.1
112.5°	2.1	1.8	1.4	2.1	2.1	2.5	1.8	1.8	2.5	3.5	5.7
115°	1.4	1.8	1.1	1.4	1.8	1.8	1.4	1.8	2.1	3.5	6.0
117.5°	1.4	1.4	1.1	1.4	1.8	1.4	1.4	1.8	2.1	3.5	6.0
120°	1.8	1.4	1.1	1.4	1.4	1.1	1.4	1.8	1.8	3.5	6.0
122.5°	1.8	1.8	1.4	1.4	1.4	1.1	1.4	1.4	1.8	3.5	5.7
125°	2.1	1.8	1.4	1.4	1.4	1.1	1.4	1.4	1.8	3.2	5.3
127.5°	2.1	2.1	1.4	1.4	1.8	1.1	1.4	1.4	1.8	2.8	4.9
130°	2.1	2.1	1.8	1.4	1.8	1.4	1.4	1.4	1.8	2.5	4.2
132.5°	2.1	2.1	1.8	1.8	1.8	1.4	1.4	1.4	1.4	2.1	3.5
135°	2.5	2.1	1.8	1.8	2.1	1.4	1.4	1.4	1.4	1.8	2.5
137.5°	2.5	2.5	2.1	2.1	2.5	1.8	1.4	1.8	1.8	1.8	2.1
140°	2.8	2.8	2.8	2.5	2.5	1.8	1.8	1.8	1.8	2.1	2.1
142.5°	3.5	3.2	3.2	2.8	2.5	1.8	1.8	1.8	2.1	2.1	2.1
145°	3.9	3.9	3.5	3.2	2.5	1.8	1.8	2.1	2.1	2.5	2.5
147.5°	3.9	3.9	3.5	2.8	2.1	1.4	1.8	2.1	2.1	2.5	2.8
150°	3.9	3.5	3.2	2.5	1.8	1.1	1.4	1.8	2.1	2.5	2.8
152.5°	2.8	2.8	2.5	1.8	1.4	0.7	1.1	1.4	1.8	2.1	2.5
155°	1.8	1.8	1.4	1.1	1.1	0.7	1.1	1.4	1.4	1.8	2.1
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.4	1.4
160°	0.4	0.4	0.7	0.4	0.7	0.7	0.7	1.1	1.1	1.1	1.1
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	1.8	1.8	1.1	1.4	1.4	1.8	2.1	2.5
5°	2.1	2.5	2.1	1.8	1.8	1.4	1.8	1.8	1.8	2.5	2.5
7.5°	2.5	2.5	2.1	2.1	1.8	1.4	2.5	76.4	87.7	90.5	91.2
10°	3.2	3.2	2.8	2.5	2.1	82.4	90.9	90.9	90.2	90.9	90.9
12.5°	70.4	75.7	12.0	6.0	67.9	85.6	83.4	82.0	80.6	79.2	78.5
15°	171.1	165.8	152.0	114.2	105.4	78.5	72.1	100.1	106.8	108.5	108.2
17.5°	180.7	172.2	151.3	158.7	139.3	100.4	90.5	89.8	85.9	85.9	86.3
20°	339.7	320.3	206.5	154.8	120.9	121.6	77.4	68.9	72.1	76.7	79.5
22.5°	348.9	323.5	241.5	201.5	108.9	98.3	75.7	66.8	90.2	99.3	100.1
25°	372.3	331.6	244.6	169.7	123.0	80.6	75.3	69.6	82.7	91.2	90.5
27.5°	504.1	447.2	310.8	156.3	97.2	76.0	71.1	66.8	82.4	96.2	95.8
30°	503.4	440.9	287.1	143.9	80.3	70.7	64.7	72.8	76.7	82.0	82.4
32.5°	653.7	560.4	313.9	119.5	71.1	61.2	64.0	66.5	69.6	83.1	85.9
35°	656.9	548.0	272.6	109.6	65.4	58.3	60.1	65.8	72.5	81.0	81.7
37.5°	669.6	541.6	226.3	90.5	67.2	59.0	62.6	68.9	67.2	78.8	80.3
40°	692.9	543.4	190.2	81.0	66.1	59.0	65.4	66.5	66.8	72.8	73.5
42.5°	729.0	552.9	159.8	76.7	65.1	64.0	63.3	63.6	61.2	73.2	74.6
45°	780.2	572.7	136.5	75.3	65.1	74.6	66.1	63.6	58.3	84.1	90.2
47.5°	855.9	611.6	122.7	75.7	65.4	71.4	65.4	61.9	60.8	98.3	102.5
50°	941.5	656.2	113.5	77.1	65.4	70.4	64.3	63.6	67.5	99.7	100.8
52.5°	1033.4	715.6	110.3	78.5	70.4	71.4	73.2	72.8	65.1	79.9	79.9
55°	1126.7	777.1	111.4	80.3	74.2	73.2	78.1	68.9	55.9	59.4	58.7
57.5°	1214.7	848.8	118.8	79.2	71.8	72.5	78.8	64.7	55.9	59.4	60.8
60°	1310.2	926.6	139.3	76.4	70.7	70.4	77.8	68.2	55.9	68.2	68.6
62.5°	1426.5	1033.7	183.8	79.2	76.4	72.5	78.1	75.3	64.0	65.4	66.8
65°	1564.0	1144.4	226.3	90.2	80.6	72.8	77.1	79.2	72.5	70.0	69.6
67.5°	1664.8	1171.6	228.0	104.6	86.3	76.7	77.8	86.3	79.2	80.6	79.9
70°	1639.3	1097.4	197.6	110.7	89.8	79.9	79.9	89.4	83.4	95.8	96.2
72.5°	1514.9	952.8	166.9	102.5	85.2	81.0	88.7	92.6	88.7	115.3	113.8
74°	1372.1	843.9	153.4	93.3	83.4	80.6	91.2	92.6	91.6	123.0	122.0
75°	1262.5	758.3	146.0	88.0	82.4	79.5	91.9	93.0	92.6	124.1	123.7
77.5°	872.5	512.3	127.6	78.5	80.6	79.5	91.6	95.1	97.6	123.4	122.3
80°	447.6	280.4	106.4	74.2	79.9	81.7	90.5	91.9	95.8	116.7	115.6
82.5°	224.5	161.6	78.1	68.2	81.0	88.7	90.9	89.1	90.2	107.5	105.7
85°	144.6	111.7	52.0	57.3	82.4	96.2	90.5	83.1	84.5	93.7	93.0
87.5°	116.3	82.7	31.8	44.5	87.7	88.0	82.7	73.5	71.8	73.5	72.5
90°	107.5	76.7	26.9	42.1	84.8	73.5	67.5	60.1	53.7	54.1	52.0
92.5°	115.6	80.3	28.6	41.7	67.5	51.6	49.5	45.6	37.8	33.6	31.5
95°	113.8	77.1	29.0	35.4	49.5	29.3	35.0	32.2	23.3	17.7	16.6
97.5°	54.8	38.9	25.8	27.6	29.0	22.3	29.7	27.2	17.0	11.0	10.3
100°	10.3	14.5	23.0	26.2	23.0	17.3	23.3	20.9	9.2	5.7	5.3
102.5°	9.9	8.1	17.3	23.7	14.5	9.9	12.7	11.7	6.0	4.2	4.2
105°	10.3	8.1	8.1	16.3	8.8	4.6	3.9	5.7	4.2	4.2	4.6
107.5°	10.6	8.1	4.9	5.3	4.2	3.5	2.8	2.8	3.2	4.6	4.9



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.5	7.1	4.6	4.2	3.9	3.5	2.8	2.5	3.2	4.9	5.3
112.5°	6.0	5.7	4.2	3.5	3.2	3.2	2.5	2.1	3.2	5.3	5.7
115°	6.0	5.7	3.5	3.2	2.5	2.8	2.5	2.1	3.2	6.0	6.4
117.5°	6.4	5.3	3.5	2.8	2.1	2.1	2.1	2.1	3.5	6.0	6.4
120°	6.4	5.3	3.5	2.5	2.1	1.8	2.1	2.1	3.5	6.0	6.7
122.5°	6.0	5.3	3.2	2.5	2.1	1.8	1.8	1.8	3.2	6.0	6.4
125°	5.7	4.9	3.2	2.5	2.1	1.4	1.8	1.8	3.2	5.7	6.4
127.5°	5.3	4.6	3.2	2.5	1.8	1.4	1.8	1.8	3.2	5.3	6.0
130°	4.6	4.2	2.8	2.1	1.8	1.4	1.8	1.8	3.2	4.9	5.7
132.5°	3.9	3.5	2.5	2.1	1.8	1.4	1.8	1.4	2.5	4.6	4.9
135°	2.8	2.8	2.5	1.8	1.8	1.1	1.4	1.4	2.1	3.5	3.9
137.5°	2.5	2.5	2.1	1.8	1.8	1.1	1.4	1.1	1.8	2.8	3.2
140°	2.5	2.5	2.1	1.8	1.4	1.1	1.1	1.1	1.4	2.5	2.5
142.5°	2.5	2.5	2.1	1.8	1.4	1.1	1.1	1.1	1.4	2.1	2.5
145°	2.5	2.5	2.5	2.1	1.4	1.1	1.1	1.1	1.4	2.1	2.1
147.5°	2.8	2.8	2.5	1.8	1.4	0.7	0.7	1.1	1.4	2.1	2.1
150°	2.8	2.8	2.5	1.8	1.4	0.7	0.4	0.7	1.1	1.8	2.1
152.5°	2.5	2.5	2.1	1.8	1.1	0.7	0.4	0.7	1.1	1.8	1.8
155°	2.1	2.1	1.8	1.4	1.1	0.4	0.0	0.4	0.7	1.4	1.4
157.5°	1.4	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.4	1.1	1.1
160°	1.4	1.4	1.4	1.1	0.7	0.4	0.0	0.0	0.4	0.7	0.7
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)