

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: P414361

Luminaire Tested: **LXF.LXT-PA1-20-760-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-760-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.9 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

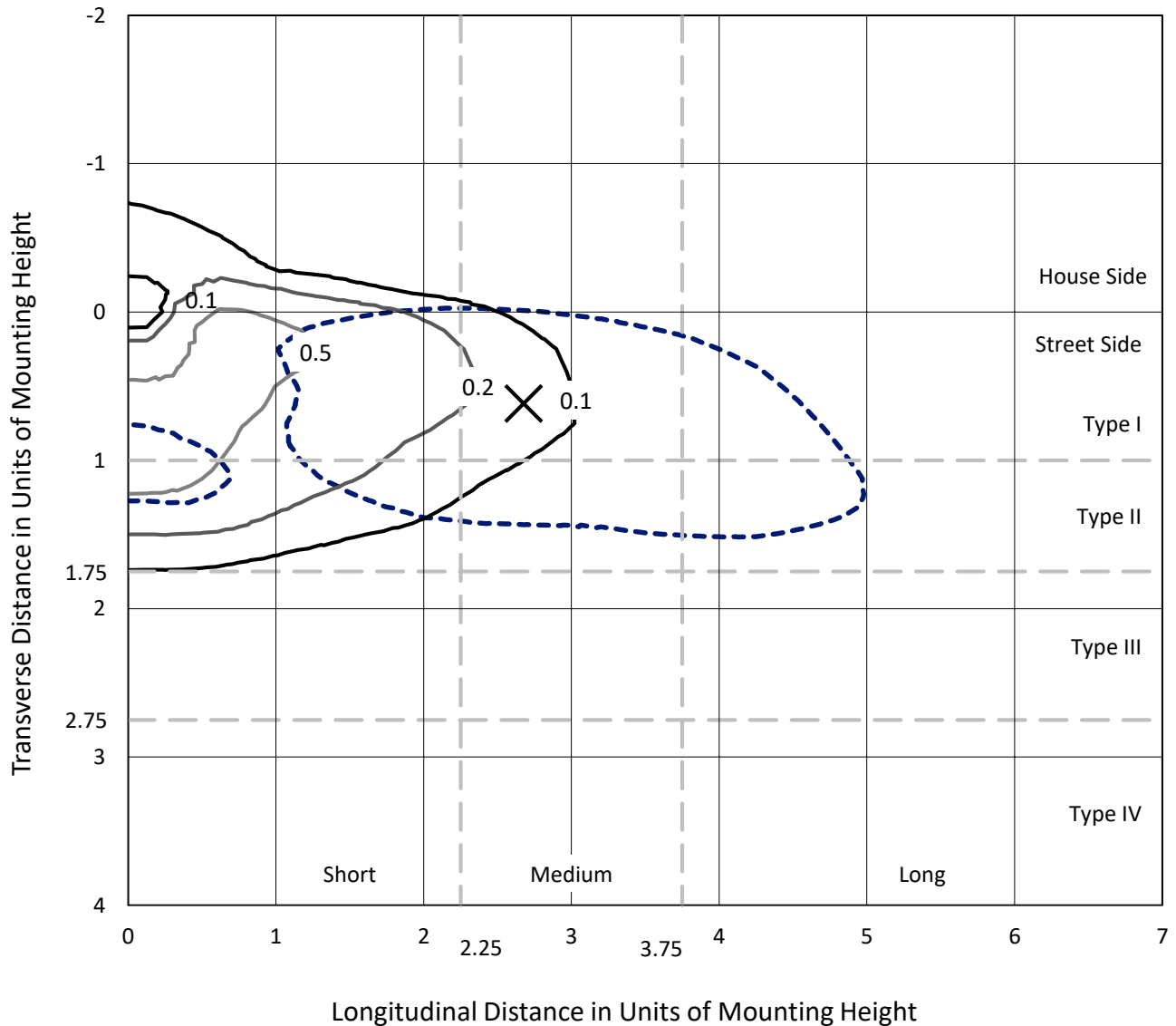
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

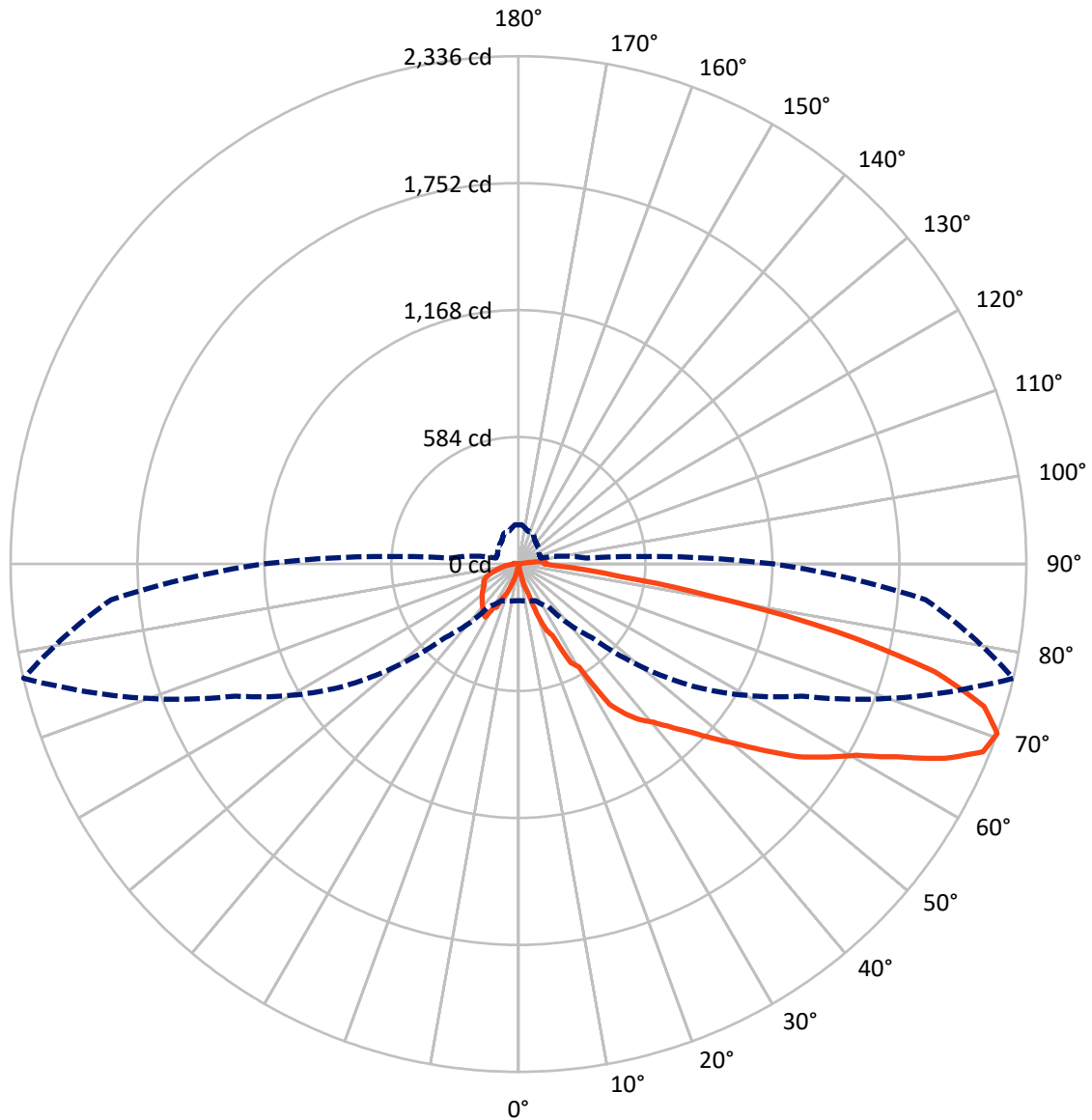


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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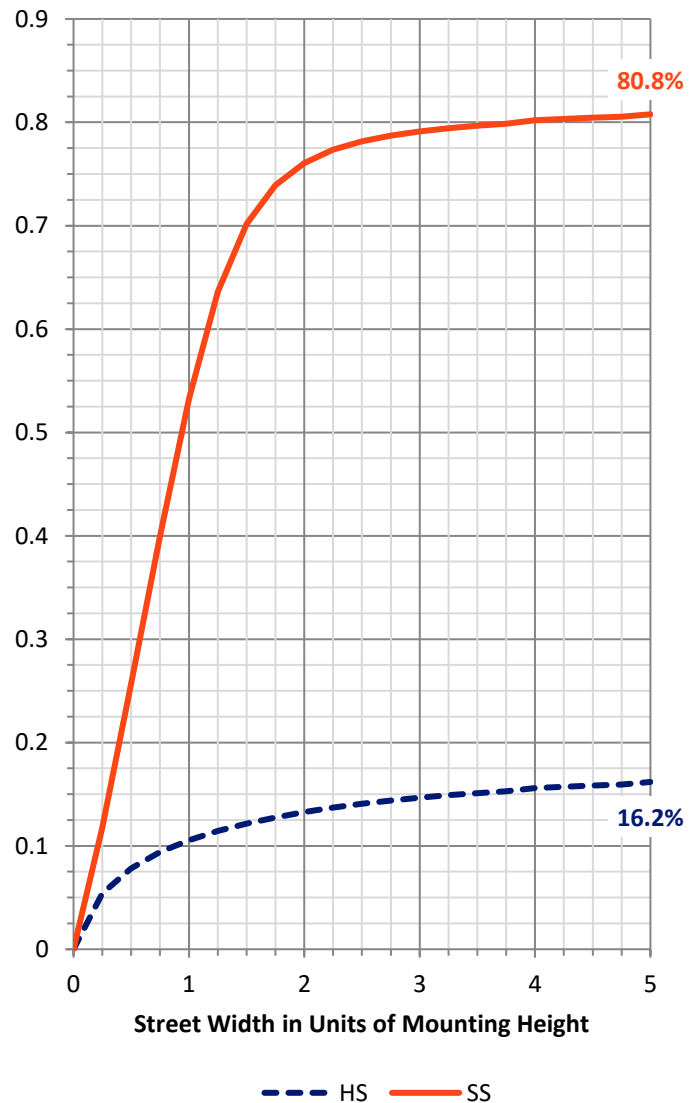
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.3	19.8	471.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2172.3	24.6	2196.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	2623.6	44.4	2667.9
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	31.7	1.2
20°-30°	125.7	4.7
30°-40°	303.7	11.4
40°-50°	491.1	18.4
50°-60°	587.4	22.0
60°-70°	574.4	21.5
70°-80°	397.1	14.9
80°-90°	110.2	4.1
90°-100°	29.0	1.1
100°-110°	5.9	0.2
110°-120°	3.1	0.1
120°-130°	2.5	0.1
130°-140°	1.7	0.1
140°-150°	1.4	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2623.6	98.3
0°-180°	2667.9	100.0



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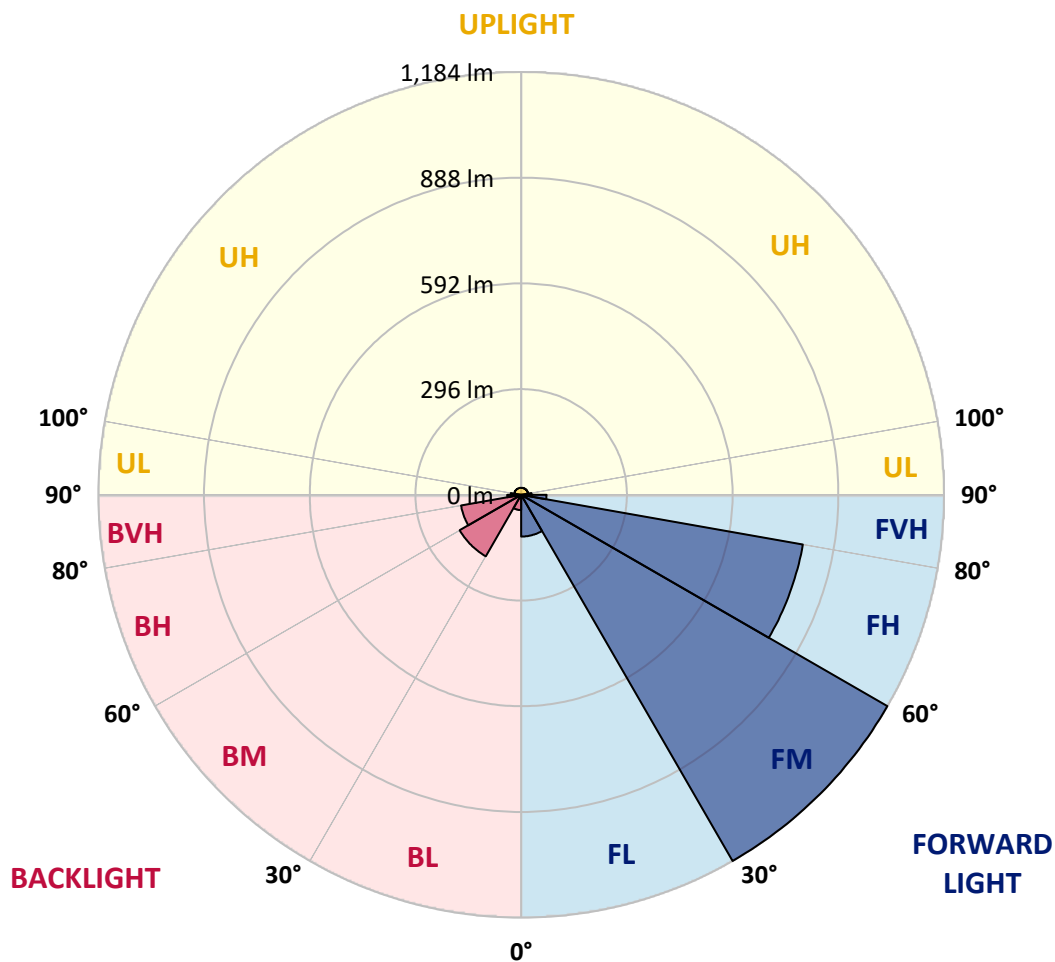
CATALOG NUMBER: LXF.LXT-PA1-20-760-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.9	4.4			
FM (30°-60°)	1183.7	44.4			
FH (60°-80°)	800.7	30.0			G1/1800
FVH (80°-90°)	71.0	2.7			G1/100
BL (0°-30°)	42.7	1.6	B0/110		
BM (30°-60°)	198.5	7.4	B0/220		
BH (60°-80°)	170.8	6.4	B1/500		G1/500
BVH (80°-90°)	39.2	1.5			G1/100
UL (90°-100°)	29.0	1.1		U2/50	
UH (100°-180°)	19.8	0.7		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°	75°	77°	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°	3.3	3.0	3.0	3.3	3.9	3.6	2.7	2.1	1.8	1.8	1.8
5°	65.4	63.3	61.8	43.7	9.6	5.7	3.6	2.7	2.1	2.1	1.8
7.5°	78.0	76.8	76.2	74.1	71.7	66.9	12.1	3.9	2.4	2.4	2.1
10°	88.3	87.4	86.2	85.0	81.7	78.3	71.7	9.9	3.9	3.9	3.3
12.5°	179.9	177.2	174.8	124.1	92.2	88.6	82.3	56.3	42.8	41.3	49.7
15°	184.7	184.7	184.7	186.2	183.5	98.8	134.7	168.7	111.5	107.9	111.5
17.5°	196.8	195.0	191.9	192.8	196.5	218.2	201.0	187.7	148.6	132.0	128.4
20°	294.4	292.9	293.8	272.4	209.4	274.8	273.0	211.5	241.4	244.7	238.3
22.5°	314.3	314.0	313.1	311.9	358.0	291.7	314.0	332.7	337.2	330.6	274.2
25°	446.0	442.6	402.6	339.3	383.6	351.0	418.8	368.8	375.5	363.7	347.4
27.5°	509.5	502.6	495.7	476.7	411.9	469.2	445.7	486.3	545.1	513.8	442.0
30°	672.3	676.2	564.1	557.8	509.5	497.5	545.7	571.6	572.2	549.3	496.3
32.5°	827.7	817.2	791.0	678.3	606.9	557.2	632.8	608.7	748.8	770.5	672.9
35°	980.2	959.7	882.9	806.3	708.1	686.7	678.0	762.1	815.1	846.1	728.0
37.5°	1197.5	1182.7	1109.2	909.1	816.3	739.2	794.9	811.2	895.5	908.8	803.3
40°	1277.3	1267.4	1206.2	1049.2	901.0	825.0	847.3	870.2	975.4	957.0	860.0
42.5°	1334.6	1331.0	1282.1	1122.4	1011.2	910.3	907.9	919.6	1057.4	1023.6	916.6
45°	1378.6	1373.4	1344.5	1169.4	1063.4	963.0	973.3	980.5	1129.4	1099.8	981.4
47.5°	1370.1	1372.2	1376.2	1227.9	1094.4	1014.6	1040.2	1032.9	1188.1	1195.1	1054.0
50°	1305.3	1309.6	1338.5	1251.4	1112.2	1056.8	1098.0	1091.4	1270.1	1299.0	1137.8
52.5°	1112.8	1119.7	1227.0	1214.9	1127.9	1089.9	1157.4	1158.9	1365.9	1427.4	1244.8
55°	814.8	841.0	971.5	1094.1	1110.7	1100.4	1197.2	1244.5	1476.2	1564.8	1340.3
57.5°	655.4	650.0	740.1	918.7	1025.7	1087.5	1239.1	1320.7	1576.8	1675.1	1435.8
60°	508.6	510.4	577.0	705.1	876.9	1055.5	1281.8	1389.4	1700.7	1786.0	1552.7
62.5°	378.8	382.4	430.6	507.1	706.9	966.4	1295.1	1475.3	1872.7	1953.5	1694.1
65°	275.1	281.1	307.4	354.4	510.7	832.6	1254.7	1539.5	2063.5	2155.4	1845.0
67.5°	206.7	210.0	225.4	254.0	364.9	660.8	1155.0	1535.6	2159.3	2303.9	1909.8
70°	168.1	169.6	175.4	185.6	239.6	479.1	979.9	1436.7	2179.8	2335.6	1879.7
72.5°	142.8	142.2	142.5	144.0	165.4	327.5	756.9	1251.7	2101.4	2239.5	1743.8
75°	122.0	121.1	121.1	119.6	127.8	229.9	521.3	1010.3	1893.2	1978.8	1469.0
77.5°	104.0	102.5	102.1	99.1	102.8	171.2	345.3	752.4	1497.9	1499.4	1041.4
80°	88.6	85.9	84.7	82.6	86.8	130.5	225.4	490.9	916.3	901.6	577.9
82.5°	65.4	65.4	67.2	67.8	74.7	96.7	159.1	292.0	500.2	473.4	335.1
85°	37.7	41.0	48.5	49.4	57.3	64.2	119.6	173.0	279.9	270.0	171.8
87.5°	13.9	13.3	20.2	21.4	24.1	24.1	65.1	94.9	146.7	152.8	135.3
90°	11.5	11.5	7.8	7.2	9.3	15.7	44.0	66.6	110.3	118.4	127.8
92.5°	12.1	12.1	7.8	6.9	8.7	13.9	37.1	63.0	115.7	126.9	132.0
95°	11.5	11.8	6.9	6.3	8.1	11.8	27.7	53.9	111.2	121.7	129.0
97.5°	9.9	10.2	5.7	5.4	7.2	8.4	15.1	26.8	55.4	57.6	59.7
100°	8.1	8.1	4.2	4.5	5.7	5.7	7.8	14.2	13.6	11.1	9.6
102.5°	6.9	7.5	3.9	3.6	4.2	3.6	3.6	5.4	8.1	6.9	9.3
105°	5.7	6.3	3.3	3.0	3.3	3.0	2.4	3.9	6.0	6.9	9.9
107.5°	3.9	4.2	2.4	2.7	2.7	2.7	1.8	3.0	5.7	6.6	10.2
110°	2.7	2.7	1.8	2.4	2.4	2.7	1.8	3.0	4.5	5.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.8	1.8	1.5	1.8	2.1	2.1	1.8	2.7	3.9	4.2	5.7
115°	1.5	1.5	1.2	1.5	1.8	1.8	1.5	2.4	3.9	4.5	6.0
117.5°	1.8	1.5	1.2	1.5	1.8	1.5	1.5	2.1	3.9	4.5	6.0
120°	1.8	1.8	1.5	1.5	1.5	1.5	1.5	2.1	3.9	4.5	6.0
122.5°	2.1	1.8	1.5	1.5	1.5	1.5	1.5	1.8	3.6	4.2	5.7
125°	2.1	2.1	1.5	1.5	1.8	1.5	1.5	1.8	3.6	3.9	5.4
127.5°	2.4	2.1	1.8	1.5	1.8	1.5	1.5	1.8	3.3	3.6	4.8
130°	2.4	2.4	1.8	1.5	1.8	1.5	1.5	1.5	2.7	3.0	4.2
132.5°	2.4	2.4	2.1	1.8	2.1	1.8	1.5	1.5	2.1	2.4	3.3
135°	2.7	2.4	2.4	2.1	2.4	2.1	1.5	1.5	1.5	1.8	2.4
137.5°	2.7	2.7	2.7	2.4	2.7	2.1	1.5	1.5	1.5	1.5	1.8
140°	3.3	3.3	3.0	2.7	3.0	2.4	1.8	1.5	1.5	1.5	1.8
142.5°	3.9	3.9	3.6	3.3	3.0	2.4	2.1	1.8	1.8	1.8	1.8
145°	4.5	4.2	4.2	3.6	3.0	2.4	2.1	2.1	2.1	2.1	2.1
147.5°	4.5	4.5	4.2	3.3	2.7	1.8	1.8	2.4	2.4	2.4	2.4
150°	4.2	4.2	3.6	3.0	2.1	1.5	1.5	2.1	2.4	2.4	2.4
152.5°	3.3	3.0	2.7	1.8	1.5	0.9	1.2	1.5	1.8	1.8	2.1
155°	2.1	1.8	1.5	1.2	1.2	0.9	0.9	1.2	1.2	1.2	1.5
157.5°	0.9	0.9	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.3	0.3	0.9	0.9	0.9	0.6	0.6	0.6	0.6
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°	1.8	1.8	1.8	1.8	1.8	1.5	1.8	2.1	2.4	2.4	2.4
5°	1.8	1.8	1.8	2.1	2.1	1.8	2.1	2.7	3.0	3.0	3.0
7.5°	2.1	1.8	2.1	2.4	2.4	2.4	10.5	30.4	33.7	34.4	35.0
10°	3.0	3.0	3.0	3.3	3.6	31.6	37.4	39.2	40.4	41.3	41.6
12.5°	45.8	40.1	25.0	6.6	31.9	39.2	41.3	44.3	45.8	47.6	47.0
15°	102.8	91.0	68.4	58.5	57.3	43.7	45.8	76.2	84.7	86.2	85.9
17.5°	116.3	100.0	76.2	81.4	84.7	65.7	77.1	85.3	86.8	88.3	88.0
20°	216.4	172.4	103.4	89.5	88.6	110.9	82.3	85.0	88.0	103.7	105.5
22.5°	240.2	198.3	135.3	131.1	107.0	112.7	107.3	108.8	118.1	118.1	117.5
25°	300.7	239.9	152.8	133.8	135.9	112.1	126.0	108.8	110.6	110.6	110.9
27.5°	391.1	308.3	202.8	149.2	134.4	135.6	119.6	110.3	126.3	128.1	129.0
30°	418.5	320.0	200.7	166.6	140.4	131.7	111.8	123.5	119.0	119.0	118.1
32.5°	584.9	436.6	249.8	163.0	144.0	122.3	123.8	116.3	114.2	123.5	123.5
35°	617.7	449.6	241.1	183.5	138.3	127.5	117.8	119.6	115.7	115.1	114.2
37.5°	655.4	458.6	221.5	172.4	146.1	122.3	121.7	117.2	112.1	119.3	120.5
40°	691.2	467.4	205.8	159.1	135.0	121.7	119.3	116.9	106.1	106.1	105.8
42.5°	731.6	473.1	191.6	148.6	124.1	122.0	115.4	107.9	100.6	102.8	102.1
45°	773.5	476.7	177.2	136.8	114.5	126.3	115.7	112.4	106.7	107.6	106.7
47.5°	825.0	482.7	164.5	125.4	108.5	115.7	109.4	107.9	111.2	108.2	110.0
50°	879.9	486.0	152.8	115.4	102.5	112.4	113.3	108.8	111.2	106.1	105.8
52.5°	945.6	489.1	140.1	108.8	101.5	111.8	118.7	113.9	109.7	103.1	102.5
55°	1003.4	479.4	129.3	104.6	107.6	110.6	123.2	117.5	108.8	101.2	101.5
57.5°	1066.4	467.1	120.5	102.8	106.4	108.5	129.6	122.6	112.7	113.0	113.3
60°	1131.5	455.3	115.1	102.5	104.9	109.4	130.5	129.6	117.8	120.5	122.6
62.5°	1209.2	446.0	114.2	104.6	110.3	114.2	131.4	140.7	130.5	131.7	132.3
65°	1270.1	418.8	113.3	105.8	112.4	115.1	131.7	148.6	144.0	151.0	150.4
67.5°	1251.4	368.8	111.8	107.0	113.9	119.9	131.4	154.3	153.7	169.6	168.1
70°	1175.2	313.4	107.0	105.5	114.5	122.3	131.7	155.8	158.5	181.1	179.6
72.5°	1046.8	252.8	98.2	101.2	114.8	125.4	135.6	156.1	159.1	191.0	186.5
75°	876.0	204.3	85.3	91.6	118.4	127.2	136.5	153.1	153.1	183.2	177.5
77.5°	630.4	157.3	73.5	83.2	117.2	126.0	133.8	146.1	144.0	158.5	153.1
80°	367.3	116.0	62.7	81.7	110.0	123.5	126.3	129.0	119.0	122.3	119.0
82.5°	220.6	85.9	54.2	73.2	96.7	111.2	113.3	108.8	95.5	95.2	90.7
85°	132.3	58.8	39.8	56.6	76.2	92.8	95.2	82.6	70.2	77.4	69.3
87.5°	97.6	37.1	27.4	35.3	46.4	43.4	56.6	53.3	45.5	43.7	43.1
90°	88.0	28.3	22.6	28.6	31.3	26.8	28.9	28.9	23.5	23.2	22.0
92.5°	87.1	26.5	24.1	28.0	25.3	21.4	23.5	23.2	18.7	17.8	16.9
95°	81.4	23.8	24.1	25.3	22.3	17.5	19.0	17.8	13.3	12.4	11.5
97.5°	38.3	16.6	22.9	22.0	18.4	13.6	15.7	13.6	9.3	8.1	8.1
100°	9.0	14.2	19.6	19.9	14.8	10.2	10.8	8.7	6.0	5.1	5.1
102.5°	9.0	6.3	12.1	15.7	9.0	4.2	6.0	5.7	4.5	4.5	4.8
105°	9.0	6.0	6.0	10.2	5.4	2.7	2.7	3.6	3.9	5.1	5.7
107.5°	9.3	6.3	4.8	4.8	3.9	2.7	2.4	2.7	3.9	6.0	6.3
110°	7.8	5.7	4.5	4.2	3.9	2.7	2.1	2.7	3.9	6.6	7.2



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CATALOG NUMBER: LXF.LXT-PA1-20-760-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	5.1	3.9	3.9	3.3	2.7	2.1	2.4	4.2	7.2	7.8
115°	5.7	4.8	3.6	3.3	2.7	2.4	2.1	2.4	4.5	7.8	8.4
117.5°	6.0	4.8	3.3	3.0	2.4	1.8	1.8	2.4	4.5	8.1	8.7
120°	6.0	4.8	3.3	3.0	2.4	1.8	1.8	2.7	4.8	7.8	8.4
122.5°	5.7	4.8	3.3	3.0	2.4	1.5	1.8	2.4	4.5	7.5	8.1
125°	5.1	4.5	3.3	2.7	2.4	1.5	1.8	2.4	4.5	7.2	7.5
127.5°	4.8	4.2	3.0	2.7	2.1	1.5	1.8	2.4	4.2	6.6	6.9
130°	4.2	3.9	2.7	2.4	2.1	1.5	1.8	2.4	4.2	6.0	6.3
132.5°	3.3	3.0	2.4	2.1	2.1	1.5	1.8	2.1	3.3	5.1	5.4
135°	2.4	2.4	2.1	2.1	2.1	1.5	1.8	1.8	2.7	3.9	4.2
137.5°	1.8	1.8	1.8	2.1	1.8	1.5	1.5	1.8	2.4	3.0	3.3
140°	1.8	1.8	1.8	2.1	1.8	1.5	1.5	1.8	2.1	2.4	2.7
142.5°	1.8	1.8	1.8	2.1	1.8	1.2	1.5	1.8	2.1	2.4	2.4
145°	2.1	2.1	2.1	2.1	1.8	1.2	1.2	1.8	2.1	2.4	2.4
147.5°	2.4	2.4	2.1	2.1	1.8	0.9	0.9	1.8	2.1	2.4	2.4
150°	2.4	2.4	2.1	2.1	1.5	0.9	0.9	1.5	2.1	2.1	2.1
152.5°	1.8	1.8	1.8	1.8	1.5	0.6	0.6	1.2	1.8	1.8	1.8
155°	1.5	1.5	1.5	1.5	1.2	0.6	0.3	0.9	1.5	1.5	1.5
157.5°	0.9	1.2	1.2	1.5	1.2	0.6	0.3	0.6	1.2	1.2	1.2
160°	0.6	0.9	0.9	1.2	1.2	0.6	0.3	0.6	0.9	0.9	0.9
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)