

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: P414223

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2476 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

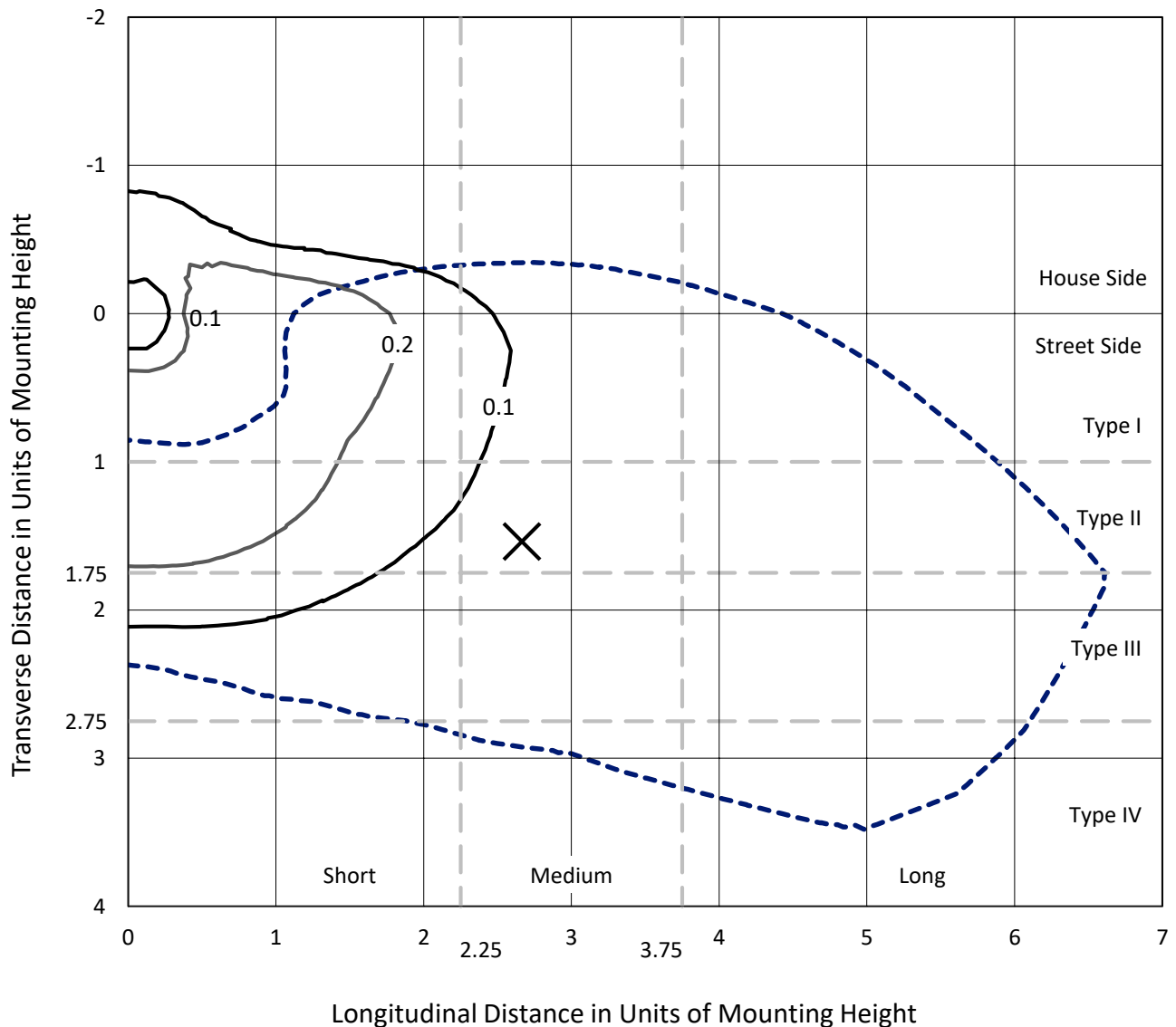
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

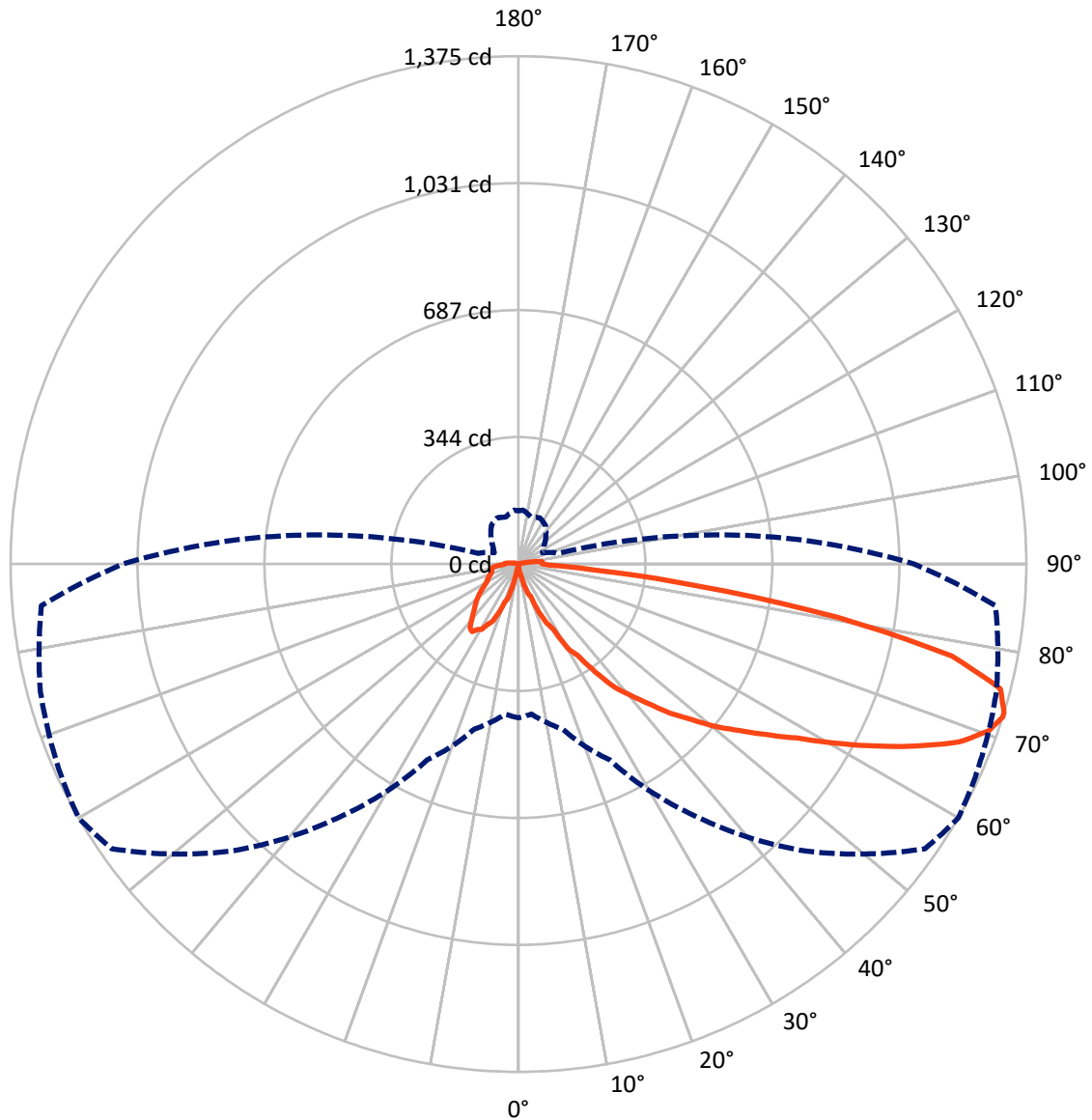
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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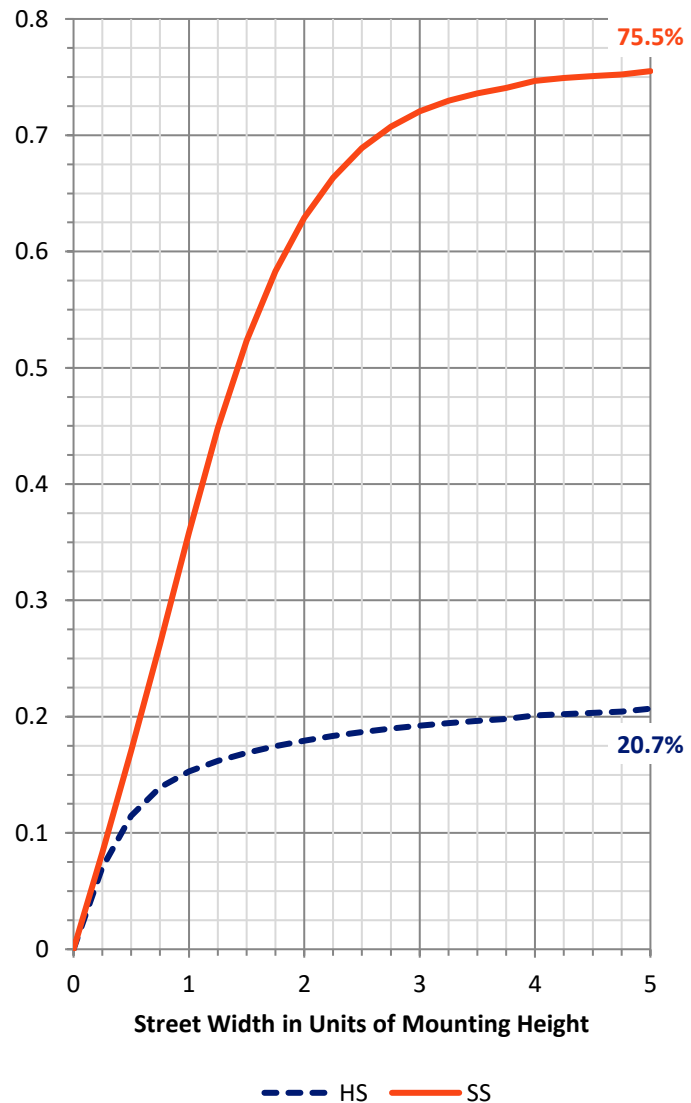
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.1	26.4	567.5
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	1885.3	23.2	1908.5
	% Fixture	76.1	0.9	77.1
Total	Lumens	2426.4	49.6	2476.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	20.2	0.8
20°-30°	84.4	3.4
30°-40°	195.0	7.9
40°-50°	342.4	13.8
50°-60°	517.5	20.9
60°-70°	638.1	25.8
70°-80°	492.7	19.9
80°-90°	134.6	5.4
90°-100°	36.6	1.5
100°-110°	6.3	0.3
110°-120°	2.4	0.1
120°-130°	1.7	0.1
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2426.4	98.0
0°-180°	2476.0	100.0

Coefficient of Utilization



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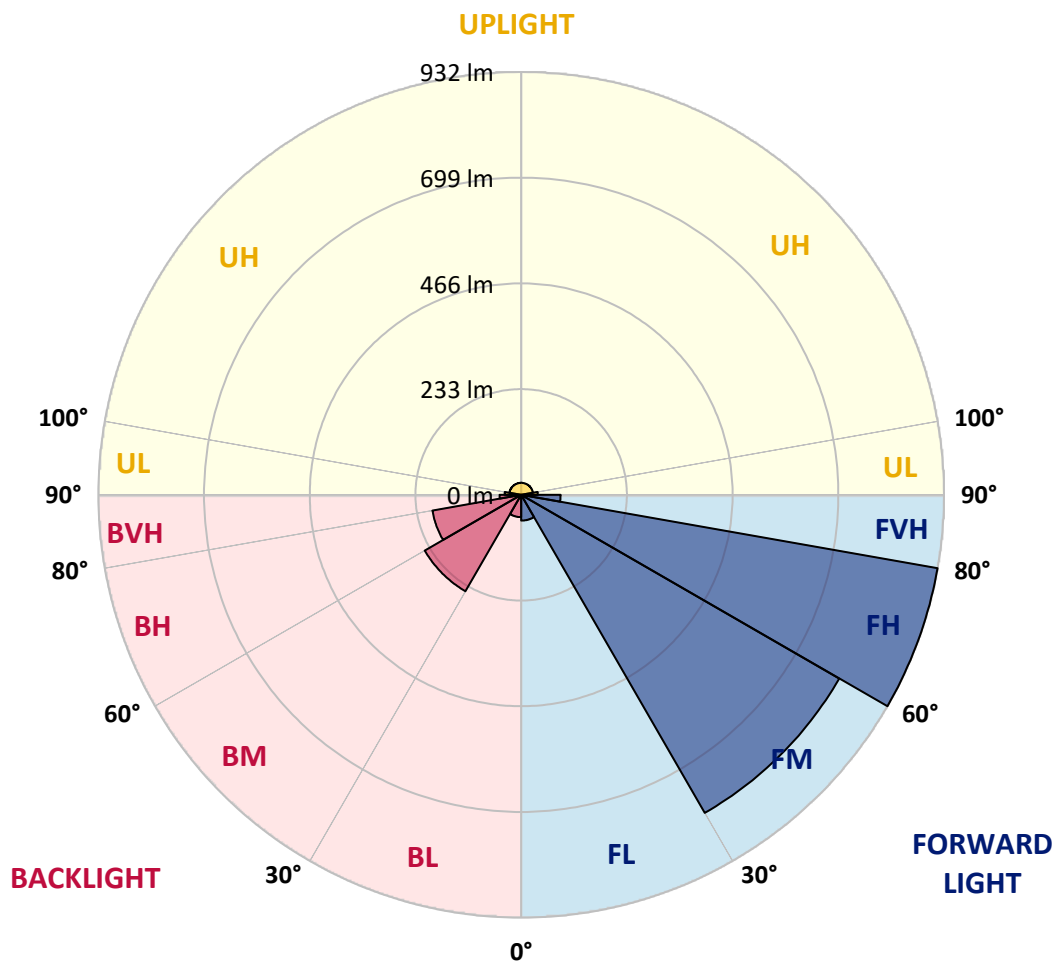
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.8	2.3			
FM	(30°-60°)	809.5	32.7			
FH	(60°-80°)	932.0	37.6			G1/1800
FVH	(80°-90°)	86.9	3.5			G1/100
BL	(0°-30°)	49.2	2.0	B0/110		
BM	(30°-60°)	245.4	9.9	B1/1000		
BH	(60°-80°)	198.8	8.0	B1/500		G1/500
BVH	(80°-90°)	47.7	1.9			G1/100
UL	(90°-100°)	36.6	1.5		U2/50	
UH	(100°-180°)	26.4	1.1		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.3	3.0	2.7	2.7	3.0	2.7	2.5	2.2	1.9	1.9	1.6
5°	30.7	29.9	29.6	23.9	11.0	8.5	3.8	3.0	2.5	1.9	1.6
7.5°	34.0	33.8	33.5	33.5	32.9	31.3	17.8	8.8	4.9	2.5	2.2
10°	39.0	38.4	36.8	36.0	35.1	34.6	32.1	30.5	13.7	4.1	3.6
12.5°	69.4	68.3	66.7	49.4	42.3	37.3	36.5	35.1	30.5	12.6	25.5
15°	74.7	74.4	73.3	72.5	70.3	46.7	56.5	64.5	73.0	59.6	66.4
17.5°	93.9	91.1	84.0	79.9	78.5	85.6	81.8	83.2	83.2	80.1	76.0
20°	140.3	138.3	134.8	118.8	89.5	110.3	108.1	91.9	94.7	117.2	136.1
22.5°	169.1	167.2	159.7	149.6	147.7	122.7	127.6	139.4	142.7	164.4	164.1
25°	229.5	225.9	210.0	180.1	183.9	158.4	178.1	175.4	166.9	181.2	186.1
27.5°	280.2	277.2	269.5	254.4	213.3	221.5	202.6	199.0	221.8	261.9	261.0
30°	336.2	319.8	299.2	294.5	264.0	251.1	256.1	267.9	276.4	280.2	289.8
32.5°	407.9	406.0	390.6	329.9	320.3	287.1	310.7	294.5	301.1	356.5	389.5
35°	457.6	462.5	435.3	399.1	353.5	352.7	342.8	359.0	390.6	398.3	421.0
37.5°	573.4	574.8	550.3	446.8	417.2	388.7	419.4	423.8	432.6	445.8	465.0
40°	660.7	648.3	618.1	541.3	476.8	445.8	467.7	467.2	486.4	510.5	522.6
42.5°	768.3	754.5	700.5	613.5	553.1	518.8	521.0	516.3	532.2	570.4	577.8
45°	858.6	852.5	810.8	719.1	637.3	596.2	581.3	575.6	583.5	631.6	635.7
47.5°	943.9	927.7	900.6	807.8	759.8	684.8	642.3	628.6	631.0	685.6	697.7
50°	1034.2	1007.1	973.6	892.1	857.2	796.3	712.3	690.9	691.7	742.2	762.8
52.5°	1087.8	1044.7	1023.0	955.5	920.3	889.9	785.6	748.5	752.3	800.1	831.4
55°	1054.5	1041.6	1042.2	1001.8	975.8	940.1	856.6	815.2	819.6	875.6	914.8
57.5°	998.5	1008.4	1043.3	1041.6	1027.1	992.2	927.5	888.8	914.0	960.9	1002.4
60°	955.5	966.7	1023.3	1052.3	1079.5	1054.0	1000.7	984.0	1007.6	1048.5	1098.2
62.5°	883.5	892.6	970.3	1047.1	1078.1	1106.7	1070.5	1085.6	1107.2	1141.8	1202.2
65°	785.3	783.1	879.7	999.4	1069.1	1136.1	1160.2	1187.9	1207.7	1244.8	1299.7
67.5°	669.2	680.2	761.4	896.4	1033.7	1150.9	1235.7	1286.5	1298.8	1313.1	1352.6
70°	546.5	545.9	617.0	760.6	957.7	1142.6	1307.3	1351.3	1351.5	1343.0	1354.8
72°	416.7	407.9	462.8	585.2	831.7	1098.5	1344.1	1374.9	1364.7	1339.4	1296.4
72.5°	357.6	365.6	417.2	551.2	775.1	1076.5	1348.0	1374.6	1363.6	1335.9	1278.8
75°	181.4	169.9	199.3	295.3	534.7	869.8	1320.2	1347.7	1316.9	1282.4	1121.2
77.5°	71.1	73.0	84.5	127.6	260.2	572.8	1139.6	1199.5	1179.7	1155.3	884.4
80°	50.0	50.0	56.5	72.7	133.4	232.8	789.7	876.7	907.1	919.2	591.5
82.5°	36.2	36.8	43.1	50.8	95.2	111.7	387.8	487.2	535.2	580.2	330.7
85°	33.8	33.8	34.6	34.0	68.1	79.6	141.1	208.1	240.4	281.9	133.7
87.5°	15.9	17.3	25.5	20.3	33.5	49.1	76.9	83.4	85.4	96.9	96.1
90°	10.4	10.4	8.5	8.8	16.5	39.8	61.8	63.1	60.7	71.1	89.5
92.5°	10.7	11.0	8.0	8.2	12.9	36.5	63.4	64.5	62.6	74.7	95.0
95°	9.9	9.9	6.9	7.1	10.2	28.0	63.4	64.5	59.0	74.4	95.0
97.5°	8.2	8.5	5.5	5.8	8.0	13.7	43.9	47.2	37.6	37.9	46.4
100°	7.1	7.1	4.4	4.7	5.8	6.3	22.2	23.3	20.9	9.3	6.3
102.5°	7.1	7.1	3.8	3.8	3.8	3.6	6.9	11.5	9.6	5.5	6.0
105°	6.9	7.1	3.6	3.0	3.0	2.7	3.6	4.4	4.4	4.4	6.3
107.5°	5.5	5.8	2.7	2.7	2.5	2.5	1.9	1.9	2.7	4.1	6.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.4	4.4	2.2	2.5	1.9	2.2	1.6	1.6	2.5	3.0	5.2
112.5°	2.5	2.5	1.6	1.9	1.6	1.9	1.6	1.6	1.9	2.5	3.3
115°	2.2	2.2	1.4	1.4	1.4	1.4	1.4	1.4	1.6	2.2	3.6
117.5°	2.2	2.2	1.4	1.4	1.4	1.1	1.1	1.4	1.4	2.2	3.6
120°	2.2	2.2	1.4	1.4	1.1	1.1	1.1	1.4	1.4	2.2	3.6
122.5°	2.5	2.2	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.9	3.6
125°	2.5	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.4	1.9	3.0
127.5°	2.5	2.5	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.7
130°	2.5	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.5
132.5°	2.2	2.2	1.6	1.1	1.4	1.1	1.1	1.1	1.1	1.4	1.9
135°	1.9	1.9	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.6
137.5°	1.9	1.9	1.6	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.4
140°	1.9	1.9	1.6	1.6	1.6	1.4	1.1	1.1	1.1	1.4	1.4
142.5°	2.2	2.2	1.9	1.6	1.6	1.4	1.1	1.1	1.4	1.4	1.4
145°	2.5	2.5	2.2	1.9	1.6	1.1	1.1	1.4	1.4	1.4	1.6
147.5°	2.5	2.5	2.2	1.6	1.4	1.1	1.1	1.4	1.4	1.6	1.6
150°	2.2	2.2	1.9	1.4	1.1	0.8	1.1	1.1	1.4	1.6	1.6
152.5°	1.6	1.6	1.4	1.1	0.8	0.5	0.8	1.1	1.1	1.4	1.6
155°	1.1	1.1	0.8	0.5	0.5	0.5	0.8	0.8	0.8	1.1	1.4
157.5°	0.5	0.5	0.3	0.3	0.5	0.5	0.5	0.8	0.8	0.8	1.1
160°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.8	0.8	0.8	0.8
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.5
5°	1.6	1.6	1.6	1.6	1.9	2.2	2.5	2.7	3.0	3.3	3.3
7.5°	1.9	1.9	1.9	2.2	2.5	3.0	6.9	24.2	32.9	36.0	35.1
10°	3.6	3.6	3.3	3.3	3.8	32.1	40.9	44.5	46.4	48.6	48.6
12.5°	28.5	32.9	11.8	6.6	31.8	45.0	48.3	50.8	52.4	54.6	54.6
15°	68.9	70.0	71.9	64.8	62.6	51.1	53.2	72.2	95.0	101.0	101.6
17.5°	77.4	78.8	80.1	95.0	101.0	78.2	90.0	101.3	103.5	105.7	105.7
20°	147.7	149.9	121.6	109.0	106.5	132.6	101.8	104.6	108.4	127.9	129.8
22.5°	167.4	168.8	158.1	165.0	120.8	138.6	133.9	133.9	149.9	151.0	151.2
25°	187.7	195.4	175.1	169.6	171.8	140.3	158.1	142.7	144.9	146.6	146.8
27.5°	273.9	272.8	256.4	194.1	172.4	169.9	153.4	140.8	164.7	171.0	171.3
30°	291.2	288.5	273.7	227.3	179.0	168.3	144.6	162.8	158.4	159.2	159.5
32.5°	400.5	396.1	354.1	230.0	186.9	155.4	157.0	151.5	152.1	169.1	169.6
35°	427.9	421.9	362.9	266.0	178.1	157.6	145.2	152.1	154.8	154.0	154.0
37.5°	464.7	453.2	360.1	250.0	185.3	147.4	138.9	143.6	141.9	152.3	151.8
40°	504.8	488.6	361.5	231.9	168.0	138.3	133.1	137.2	136.1	133.1	130.9
42.5°	555.8	527.8	361.2	216.8	152.1	135.3	125.7	125.4	120.8	115.8	114.2
45°	608.0	569.3	362.3	199.5	140.0	132.8	121.6	115.0	110.9	105.7	104.3
47.5°	665.1	613.5	365.6	185.8	130.7	125.4	116.4	108.4	105.4	98.8	98.3
50°	732.6	659.8	366.7	174.8	119.7	118.8	112.5	103.8	99.1	92.5	91.9
52.5°	805.3	709.0	368.6	158.6	111.2	116.4	114.7	102.7	100.7	92.2	91.7
55°	874.2	755.6	368.1	139.2	107.3	114.2	114.7	109.8	106.8	92.8	91.7
57.5°	957.1	806.1	359.8	121.0	101.3	110.9	120.2	116.1	112.8	101.3	99.1
60°	1031.2	858.3	335.4	107.0	96.1	107.3	124.9	120.8	111.4	104.0	101.8
62.5°	1117.9	903.3	301.4	96.9	94.1	108.4	126.5	123.8	112.3	109.8	109.0
65°	1176.7	920.3	249.8	88.7	93.9	108.4	126.0	126.5	118.3	120.8	120.5
67.5°	1183.8	898.4	189.4	82.3	90.6	108.4	125.2	132.0	123.8	133.9	134.5
70°	1149.5	843.5	138.1	76.0	87.0	107.0	125.4	135.6	127.9	143.8	142.7
72°	1070.5	760.3	111.7	71.9	84.0	104.9	127.4	137.5	131.5	146.3	143.8
72.5°	1049.9	734.8	106.8	71.4	83.4	104.6	127.9	138.1	131.7	148.8	145.7
75°	878.6	585.2	91.7	67.2	84.3	103.2	130.7	137.8	133.4	150.4	151.0
77.5°	665.6	394.4	81.2	63.7	84.0	100.7	129.8	135.6	130.9	144.6	147.7
80°	412.0	229.5	72.2	63.4	83.4	99.6	126.3	129.8	124.1	135.0	135.9
82.5°	225.3	134.2	62.6	62.3	81.0	96.6	119.4	123.2	117.8	129.8	121.3
85°	115.3	91.1	46.9	51.1	70.8	90.9	111.4	111.2	105.7	110.1	104.0
87.5°	88.9	71.6	30.5	36.8	57.9	74.9	91.7	90.9	83.7	84.3	81.8
90°	81.8	64.0	20.0	26.1	48.3	53.8	63.7	61.2	56.3	57.4	56.5
92.5°	82.3	63.1	19.2	27.7	46.4	48.3	58.5	55.4	50.5	51.1	49.4
95°	80.4	60.7	19.2	24.4	38.4	34.3	42.0	40.9	36.8	34.9	34.0
97.5°	38.4	30.2	17.8	18.1	21.7	18.7	25.5	27.4	22.0	17.6	17.6
100°	6.6	10.2	15.6	18.4	15.6	11.8	16.2	18.7	12.6	5.8	6.3
102.5°	6.6	6.3	12.1	15.6	11.3	6.3	9.3	12.4	8.0	4.4	4.7
105°	7.1	6.6	5.8	10.7	6.6	3.3	3.6	6.3	4.4	4.4	4.4
107.5°	7.7	7.1	4.1	4.1	3.3	3.0	2.7	2.5	3.0	4.4	4.7



REPORT NUMBER: P414223

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.8	5.8	3.8	3.3	3.0	3.0	2.2	2.2	3.0	4.7	4.7
112.5°	4.1	4.1	3.3	2.7	2.5	3.0	2.2	2.2	2.7	4.7	4.9
115°	4.1	4.1	3.0	2.5	2.2	2.5	2.2	1.9	2.7	4.7	4.9
117.5°	4.1	4.1	3.0	2.2	1.9	1.9	1.6	1.9	2.7	4.7	4.9
120°	4.1	4.1	3.0	2.2	1.9	1.6	1.6	1.6	2.7	4.7	4.9
122.5°	3.8	3.8	2.7	1.9	1.6	1.4	1.4	1.6	2.5	4.4	4.7
125°	3.6	3.6	2.5	1.9	1.6	1.4	1.4	1.4	2.5	4.1	4.4
127.5°	3.3	3.3	2.5	1.6	1.4	1.4	1.4	1.4	2.2	3.8	4.1
130°	2.7	2.7	2.2	1.6	1.4	1.1	1.4	1.4	2.2	3.6	3.6
132.5°	2.2	2.2	1.6	1.4	1.4	1.1	1.1	1.4	1.9	3.0	3.3
135°	1.6	1.6	1.6	1.4	1.4	1.1	1.1	1.1	1.6	2.5	2.7
137.5°	1.4	1.6	1.4	1.4	1.4	1.1	1.1	1.1	1.6	2.2	2.2
140°	1.4	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.6	1.9	2.2
142.5°	1.4	1.6	1.4	1.4	1.4	1.1	1.1	1.4	1.6	2.2	2.2
145°	1.6	1.6	1.6	1.4	1.4	0.8	0.8	1.4	1.6	2.2	2.2
147.5°	1.6	1.6	1.6	1.4	1.1	0.8	0.8	1.1	1.6	2.2	2.2
150°	1.6	1.6	1.6	1.4	1.1	0.5	0.5	1.1	1.4	1.9	2.2
152.5°	1.6	1.6	1.4	1.4	0.8	0.5	0.3	0.8	1.1	1.6	1.6
155°	1.4	1.4	1.4	1.1	0.8	0.3	0.0	0.3	0.8	1.4	1.4
157.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.0	0.3	0.3	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.5
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

(END OF REPORT)