

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: P414465

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414465
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-PA1-20-830-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2120 lumens
Efficiency: N/A
Efficacy: 101.0 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

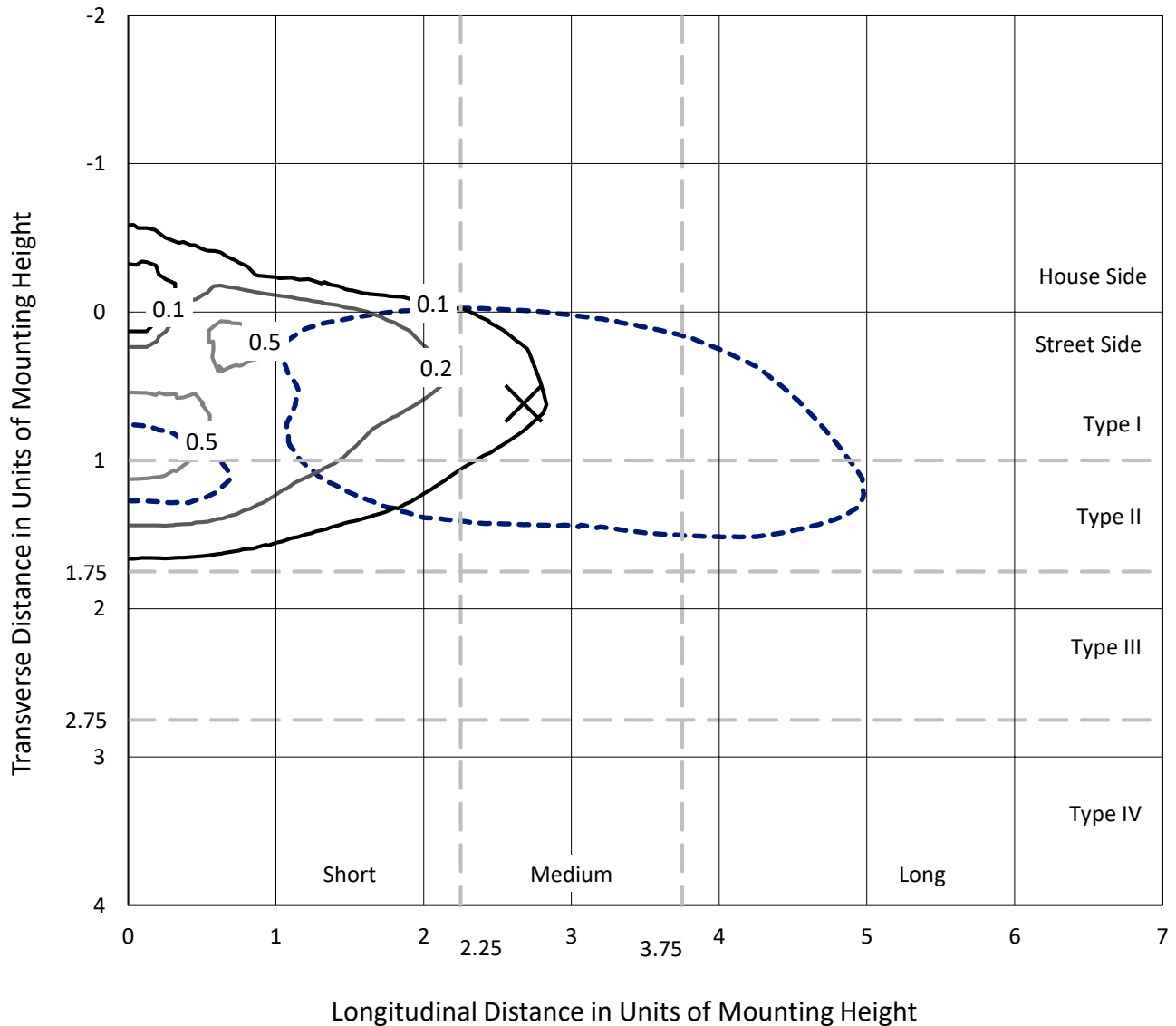


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Iso-Footcandle Lines of Horizontal Illumination

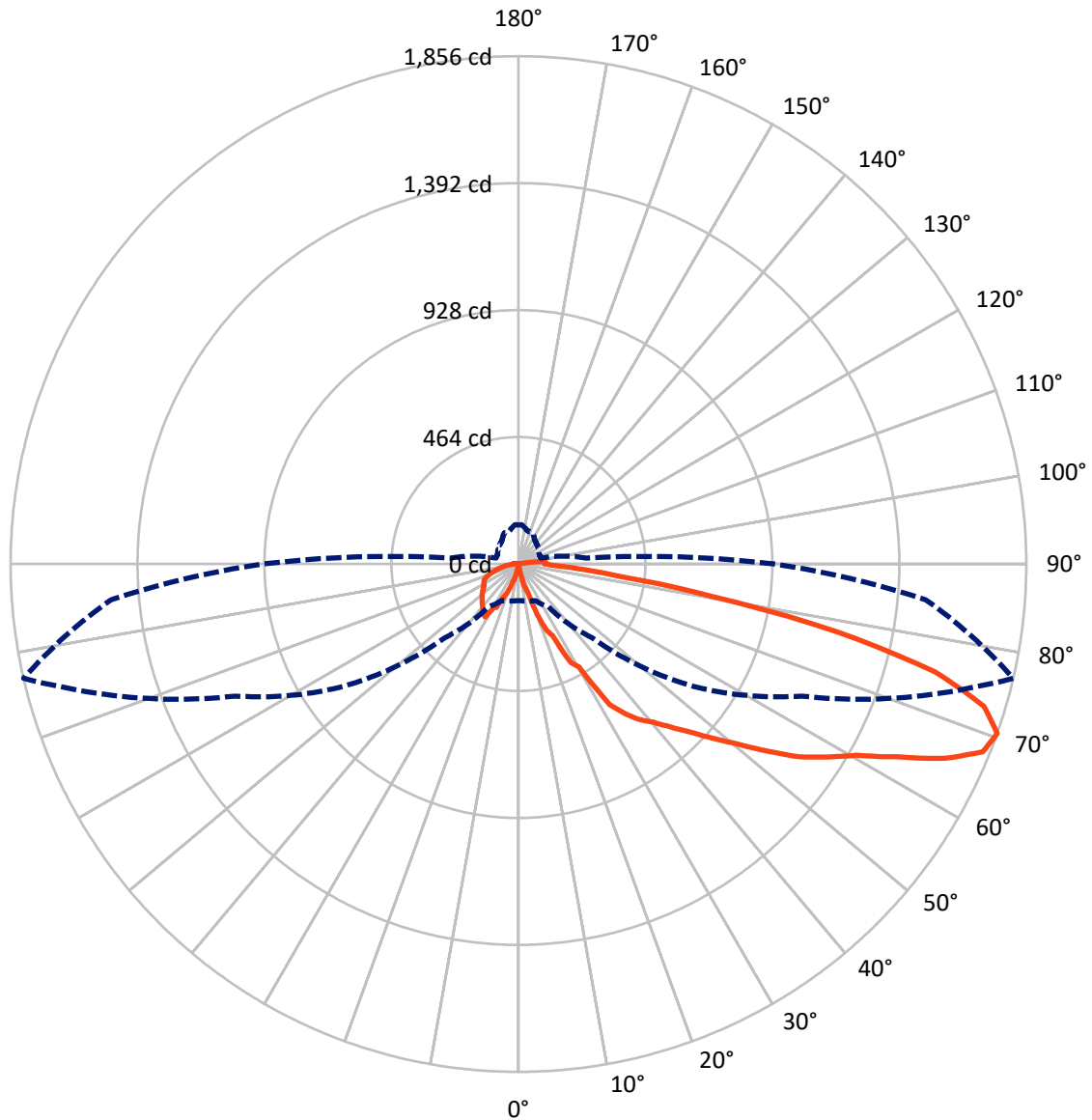
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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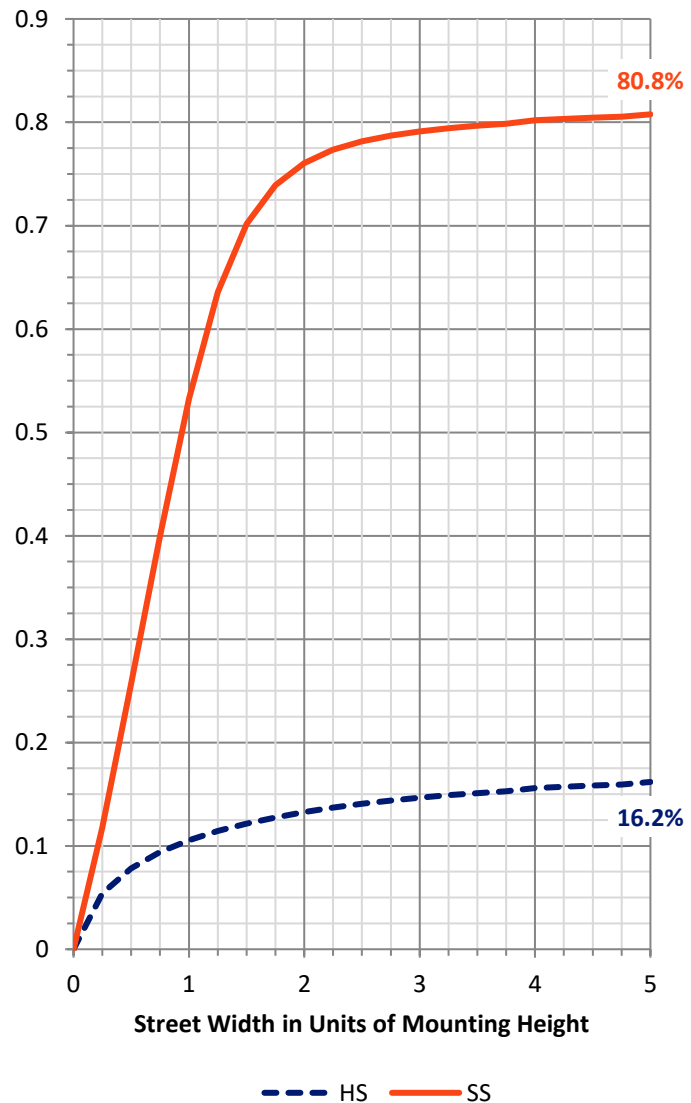
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.6	15.7	374.3
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	1726.1	19.6	1745.7
	% Fixture	81.4	0.9	82.3
Total	Lumens	2084.7	35.3	2120.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	25.2	1.2
20°-30°	99.9	4.7
30°-40°	241.3	11.4
40°-50°	390.3	18.4
50°-60°	466.8	22.0
60°-70°	456.4	21.5
70°-80°	315.5	14.9
80°-90°	87.6	4.1
90°-100°	23.0	1.1
100°-110°	4.7	0.2
110°-120°	2.5	0.1
120°-130°	2.0	0.1
130°-140°	1.4	0.1
140°-150°	1.1	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2084.7	98.3
0°-180°	2120.0	100.0



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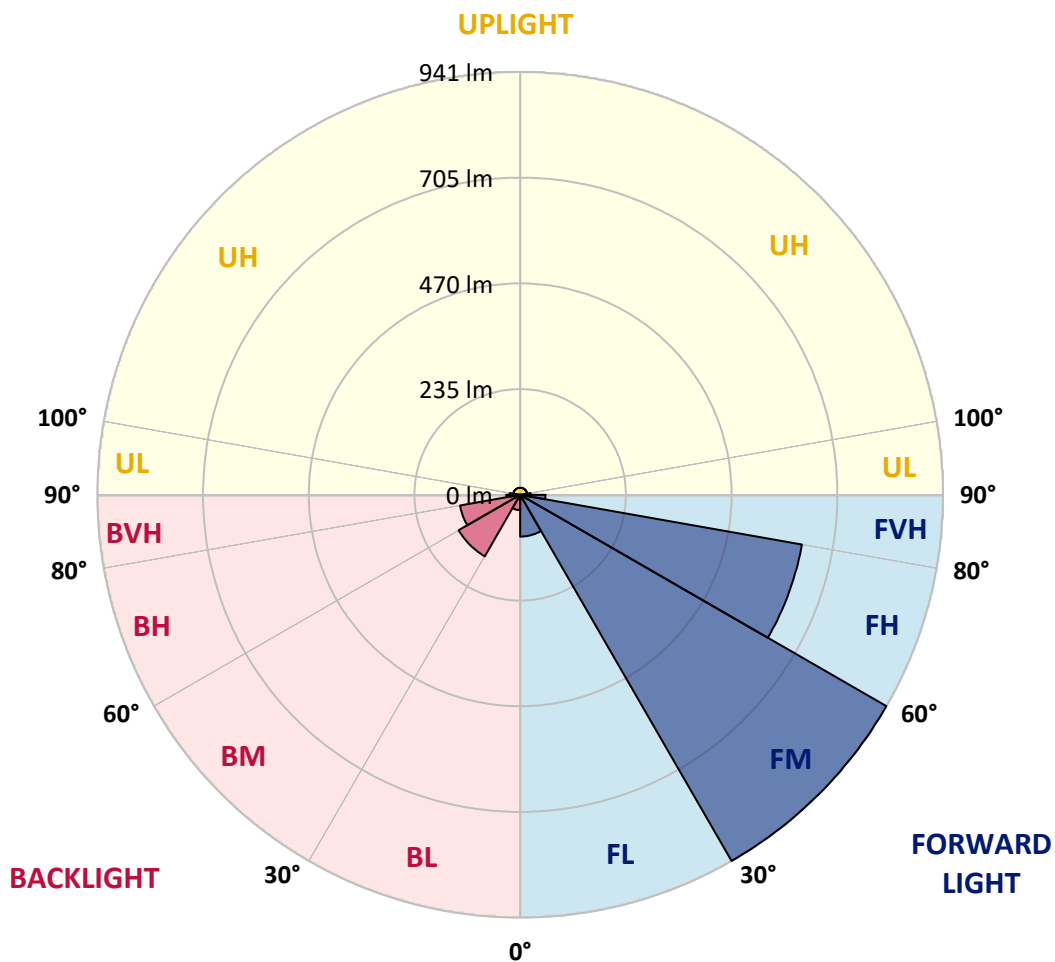
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.9	4.4			
FM	(30°-60°)	940.6	44.4			
FH	(60°-80°)	636.2	30.0			G0/660
FVH	(80°-90°)	56.4	2.7			G1/100
BL	(0°-30°)	34.0	1.6	B0/110		
BM	(30°-60°)	157.7	7.4	B0/220		
BH	(60°-80°)	135.7	6.4	B1/500		G1/500
BVH	(80°-90°)	31.2	1.5			G1/100
UL	(90°-100°)	23.0	1.1		U2/50	
UH	(100°-180°)	15.7	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.4	2.4	2.6	3.1	2.9	2.2	1.7	1.4	1.4	1.4
5°	52.0	50.3	49.1	34.7	7.7	4.5	2.9	2.2	1.7	1.7	1.4
7.5°	62.0	61.1	60.6	58.9	57.0	53.2	9.6	3.1	1.9	1.9	1.7
10°	70.2	69.4	68.5	67.5	64.9	62.3	57.0	7.9	3.1	3.1	2.6
12.5°	142.9	140.8	138.9	98.6	73.3	70.4	65.4	44.8	34.0	32.8	39.5
15°	146.8	146.8	146.8	148.0	145.8	78.5	107.0	134.1	88.6	85.7	88.6
17.5°	156.4	154.9	152.5	153.2	156.1	173.4	159.7	149.2	118.0	104.9	102.0
20°	233.9	232.7	233.4	216.4	166.4	218.4	216.9	168.1	191.8	194.4	189.4
22.5°	249.7	249.5	248.8	247.8	284.4	231.8	249.5	264.3	267.9	262.7	217.9
25°	354.4	351.7	319.9	269.6	304.8	278.9	332.8	293.1	298.3	289.0	276.1
27.5°	404.9	399.4	393.9	378.8	327.3	372.8	354.1	386.4	433.1	408.2	351.3
30°	534.2	537.3	448.2	443.2	404.9	395.3	433.6	454.2	454.7	436.5	394.3
32.5°	657.7	649.3	628.5	539.0	482.2	442.7	502.8	483.7	595.0	612.2	534.7
35°	778.9	762.6	701.5	640.7	562.7	545.7	538.7	605.5	647.7	672.3	578.5
37.5°	951.5	939.8	881.4	722.4	648.6	587.3	631.6	644.6	711.6	722.1	638.3
40°	1015.0	1007.1	958.5	833.7	715.9	655.6	673.3	691.5	775.0	760.4	683.3
42.5°	1060.5	1057.6	1018.8	891.9	803.5	723.3	721.4	730.8	840.2	813.4	728.4
45°	1095.4	1091.3	1068.4	929.2	845.0	765.2	773.4	779.1	897.4	873.9	779.8
47.5°	1088.7	1090.4	1093.5	975.7	869.6	806.2	826.5	820.8	944.1	949.6	837.5
50°	1037.2	1040.6	1063.6	994.4	883.8	839.7	872.5	867.2	1009.2	1032.2	904.1
52.5°	884.2	889.7	975.0	965.4	896.2	866.0	919.7	920.9	1085.4	1134.2	989.1
55°	647.4	668.3	771.9	869.4	882.6	874.4	951.3	988.9	1173.0	1243.4	1065.0
57.5°	520.8	516.5	588.1	730.0	815.0	864.1	984.6	1049.4	1253.0	1331.0	1140.9
60°	404.2	405.6	458.5	560.3	696.8	838.7	1018.6	1104.0	1351.4	1419.1	1233.8
62.5°	301.0	303.8	342.2	403.0	561.7	767.9	1029.1	1172.3	1488.1	1552.3	1346.1
65°	218.6	223.4	244.2	281.6	405.8	661.6	997.0	1223.3	1639.6	1712.7	1466.1
67.5°	164.3	166.9	179.1	201.8	290.0	525.1	917.8	1220.2	1715.8	1830.7	1517.5
70°	133.6	134.8	139.4	147.5	190.4	380.7	778.6	1141.6	1732.1	1855.9	1493.6
72.5°	113.5	113.0	113.3	114.4	131.4	260.3	601.5	994.6	1669.8	1779.5	1385.6
75°	97.0	96.3	96.3	95.1	101.5	182.7	414.2	802.8	1504.4	1572.4	1167.2
77.5°	82.6	81.4	81.2	78.8	81.6	136.0	274.4	597.9	1190.2	1191.4	827.5
80°	70.4	68.2	67.3	65.6	69.0	103.7	179.1	390.0	728.1	716.4	459.2
82.5°	52.0	52.0	53.4	53.9	59.4	76.9	126.4	232.0	397.5	376.2	266.3
85°	29.9	32.6	38.5	39.3	45.5	51.0	95.1	137.4	222.4	214.5	136.5
87.5°	11.0	10.5	16.0	17.0	19.2	19.2	51.7	75.4	116.6	121.4	107.5
90°	9.1	9.1	6.2	5.7	7.4	12.5	35.0	52.9	87.6	94.1	101.5
92.5°	9.6	9.6	6.2	5.5	6.9	11.0	29.5	50.0	91.9	100.8	104.9
95°	9.1	9.3	5.5	5.0	6.5	9.3	22.0	42.9	88.4	96.7	102.5
97.5°	7.9	8.1	4.5	4.3	5.7	6.7	12.0	21.3	44.1	45.7	47.4
100°	6.5	6.5	3.4	3.6	4.5	4.5	6.2	11.3	10.8	8.9	7.7
102.5°	5.5	6.0	3.1	2.9	3.4	2.9	2.9	4.3	6.5	5.5	7.4
105°	4.5	5.0	2.6	2.4	2.6	2.4	1.9	3.1	4.8	5.5	7.9
107.5°	3.1	3.4	1.9	2.2	2.2	2.2	1.4	2.4	4.5	5.3	8.1
110°	2.2	2.2	1.4	1.9	1.9	2.2	1.4	2.4	3.6	4.1	6.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.4	1.4	1.2	1.4	1.7	1.7	1.4	2.2	3.1	3.4	4.5
115°	1.2	1.2	1.0	1.2	1.4	1.4	1.2	1.9	3.1	3.6	4.8
117.5°	1.4	1.2	1.0	1.2	1.4	1.2	1.2	1.7	3.1	3.6	4.8
120°	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.7	3.1	3.6	4.8
122.5°	1.7	1.4	1.2	1.2	1.2	1.2	1.2	1.4	2.9	3.4	4.5
125°	1.7	1.7	1.2	1.2	1.4	1.2	1.2	1.4	2.9	3.1	4.3
127.5°	1.9	1.7	1.4	1.2	1.4	1.2	1.2	1.4	2.6	2.9	3.8
130°	1.9	1.9	1.4	1.2	1.4	1.2	1.2	1.2	2.2	2.4	3.4
132.5°	1.9	1.9	1.7	1.4	1.7	1.4	1.2	1.2	1.7	1.9	2.6
135°	2.2	1.9	1.9	1.7	1.9	1.7	1.2	1.2	1.2	1.4	1.9
137.5°	2.2	2.2	2.2	1.9	2.2	1.7	1.2	1.2	1.2	1.2	1.4
140°	2.6	2.6	2.4	2.2	2.4	1.9	1.4	1.2	1.2	1.2	1.4
142.5°	3.1	3.1	2.9	2.6	2.4	1.9	1.7	1.4	1.4	1.4	1.4
145°	3.6	3.4	3.4	2.9	2.4	1.9	1.7	1.7	1.7	1.7	1.7
147.5°	3.6	3.6	3.4	2.6	2.2	1.4	1.4	1.9	1.9	1.9	1.9
150°	3.4	3.4	2.9	2.4	1.7	1.2	1.2	1.7	1.9	1.9	1.9
152.5°	2.6	2.4	2.2	1.4	1.2	0.7	1.0	1.2	1.4	1.4	1.7
155°	1.7	1.4	1.2	1.0	1.0	0.7	0.7	1.0	1.0	1.0	1.2
157.5°	0.7	0.7	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.2	0.2	0.2	0.2	0.7	0.7	0.7	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.4	1.4	1.4	1.4	1.4	1.2	1.4	1.7	1.9	1.9	1.9
5°	1.4	1.4	1.4	1.7	1.7	1.4	1.7	2.2	2.4	2.4	2.4
7.5°	1.7	1.4	1.7	1.9	1.9	1.9	8.4	24.2	26.8	27.3	27.8
10°	2.4	2.4	2.4	2.6	2.9	25.1	29.7	31.1	32.1	32.8	33.0
12.5°	36.4	31.8	19.9	5.3	25.4	31.1	32.8	35.2	36.4	37.8	37.4
15°	81.6	72.3	54.4	46.5	45.5	34.7	36.4	60.6	67.3	68.5	68.2
17.5°	92.4	79.5	60.6	64.6	67.3	52.2	61.3	67.8	69.0	70.2	69.9
20°	171.9	137.0	82.1	71.1	70.4	88.1	65.4	67.5	69.9	82.4	83.8
22.5°	190.8	157.5	107.5	104.2	85.0	89.5	85.2	86.4	93.9	93.9	93.4
25°	239.0	190.6	121.4	106.3	108.0	89.1	100.1	86.4	87.9	87.9	88.1
27.5°	310.8	244.9	161.1	118.5	106.8	107.7	95.1	87.6	100.3	101.8	102.5
30°	332.6	254.3	159.5	132.4	111.6	104.6	88.8	98.2	94.6	94.6	93.9
32.5°	464.7	346.9	198.5	129.5	114.4	97.2	98.4	92.4	90.7	98.2	98.2
35°	490.8	357.2	191.5	145.8	109.9	101.3	93.6	95.1	91.9	91.5	90.7
37.5°	520.8	364.4	176.0	137.0	116.1	97.2	96.7	93.1	89.1	94.8	95.8
40°	549.3	371.4	163.5	126.4	107.3	96.7	94.8	92.9	84.3	84.3	84.0
42.5°	581.3	375.9	152.3	118.0	98.6	97.0	91.7	85.7	80.0	81.6	81.2
45°	614.6	378.8	140.8	108.7	91.0	100.3	91.9	89.3	84.8	85.5	84.8
47.5°	655.6	383.6	130.7	99.6	86.2	91.9	86.9	85.7	88.4	86.0	87.4
50°	699.1	386.2	121.4	91.7	81.4	89.3	90.0	86.4	88.4	84.3	84.0
52.5°	751.3	388.6	111.3	86.4	80.7	88.8	94.3	90.5	87.2	81.9	81.4
55°	797.3	380.9	102.7	83.1	85.5	87.9	97.9	93.4	86.4	80.4	80.7
57.5°	847.4	371.1	95.8	81.6	84.5	86.2	103.0	97.4	89.5	89.8	90.0
60°	899.1	361.8	91.5	81.4	83.3	86.9	103.7	103.0	93.6	95.8	97.4
62.5°	960.9	354.4	90.7	83.1	87.6	90.7	104.4	111.8	103.7	104.6	105.1
65°	1009.2	332.8	90.0	84.0	89.3	91.5	104.6	118.0	114.4	120.0	119.5
67.5°	994.4	293.1	88.8	85.0	90.5	95.3	104.4	122.6	122.1	134.8	133.6
70°	933.8	249.0	85.0	83.8	91.0	97.2	104.6	123.8	125.9	143.9	142.7
72.5°	831.8	200.9	78.1	80.4	91.2	99.6	107.7	124.0	126.4	151.8	148.2
75°	696.0	162.3	67.8	72.8	94.1	101.0	108.5	121.6	121.6	145.6	141.0
77.5°	500.9	125.0	58.4	66.1	93.1	100.1	106.3	116.1	114.4	125.9	121.6
80°	291.9	92.2	49.8	64.9	87.4	98.2	100.3	102.5	94.6	97.2	94.6
82.5°	175.3	68.2	43.1	58.2	76.9	88.4	90.0	86.4	75.9	75.7	72.1
85°	105.1	46.7	31.6	45.0	60.6	73.7	75.7	65.6	55.8	61.5	55.1
87.5°	77.6	29.5	21.8	28.0	36.9	34.5	45.0	42.4	36.2	34.7	34.2
90°	69.9	22.5	18.0	22.7	24.9	21.3	23.0	23.0	18.7	18.4	17.5
92.5°	69.2	21.1	19.2	22.3	20.1	17.0	18.7	18.4	14.8	14.1	13.4
95°	64.6	18.9	19.2	20.1	17.7	13.9	15.1	14.1	10.5	9.8	9.1
97.5°	30.4	13.2	18.2	17.5	14.6	10.8	12.5	10.8	7.4	6.5	6.5
100°	7.2	11.3	15.6	15.8	11.7	8.1	8.6	6.9	4.8	4.1	4.1
102.5°	7.2	5.0	9.6	12.5	7.2	3.4	4.8	4.5	3.6	3.6	3.8
105°	7.2	4.8	4.8	8.1	4.3	2.2	2.2	2.9	3.1	4.1	4.5
107.5°	7.4	5.0	3.8	3.8	3.1	2.2	1.9	2.2	3.1	4.8	5.0
110°	6.2	4.5	3.6	3.4	3.1	2.2	1.7	2.2	3.1	5.3	5.7



REPORT NUMBER: P414465

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.5	4.1	3.1	3.1	2.6	2.2	1.7	1.9	3.4	5.7	6.2
115°	4.5	3.8	2.9	2.6	2.2	1.9	1.7	1.9	3.6	6.2	6.7
117.5°	4.8	3.8	2.6	2.4	1.9	1.4	1.4	1.9	3.6	6.5	6.9
120°	4.8	3.8	2.6	2.4	1.9	1.4	1.4	2.2	3.8	6.2	6.7
122.5°	4.5	3.8	2.6	2.4	1.9	1.2	1.4	1.9	3.6	6.0	6.5
125°	4.1	3.6	2.6	2.2	1.9	1.2	1.4	1.9	3.6	5.7	6.0
127.5°	3.8	3.4	2.4	2.2	1.7	1.2	1.4	1.9	3.4	5.3	5.5
130°	3.4	3.1	2.2	1.9	1.7	1.2	1.4	1.9	3.4	4.8	5.0
132.5°	2.6	2.4	1.9	1.7	1.7	1.2	1.4	1.7	2.6	4.1	4.3
135°	1.9	1.9	1.7	1.7	1.7	1.2	1.4	1.4	2.2	3.1	3.4
137.5°	1.4	1.4	1.4	1.7	1.4	1.2	1.2	1.4	1.9	2.4	2.6
140°	1.4	1.4	1.4	1.7	1.4	1.2	1.2	1.4	1.7	1.9	2.2
142.5°	1.4	1.4	1.4	1.7	1.4	1.0	1.2	1.4	1.7	1.9	1.9
145°	1.7	1.7	1.7	1.7	1.4	1.0	1.0	1.4	1.7	1.9	1.9
147.5°	1.9	1.9	1.7	1.7	1.4	0.7	0.7	1.4	1.7	1.9	1.9
150°	1.9	1.9	1.7	1.7	1.2	0.7	0.7	1.2	1.7	1.7	1.7
152.5°	1.4	1.4	1.4	1.4	1.2	0.5	0.5	1.0	1.4	1.4	1.4
155°	1.2	1.2	1.2	1.2	1.0	0.5	0.2	0.7	1.2	1.2	1.2
157.5°	0.7	1.0	1.0	1.2	1.0	0.5	0.2	0.5	1.0	1.0	1.0
160°	0.5	0.7	0.7	1.0	1.0	0.5	0.2	0.5	0.7	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)