

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: P414228

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2389 lumens
Efficiency: N/A
Efficacy: 113.8 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 - G2

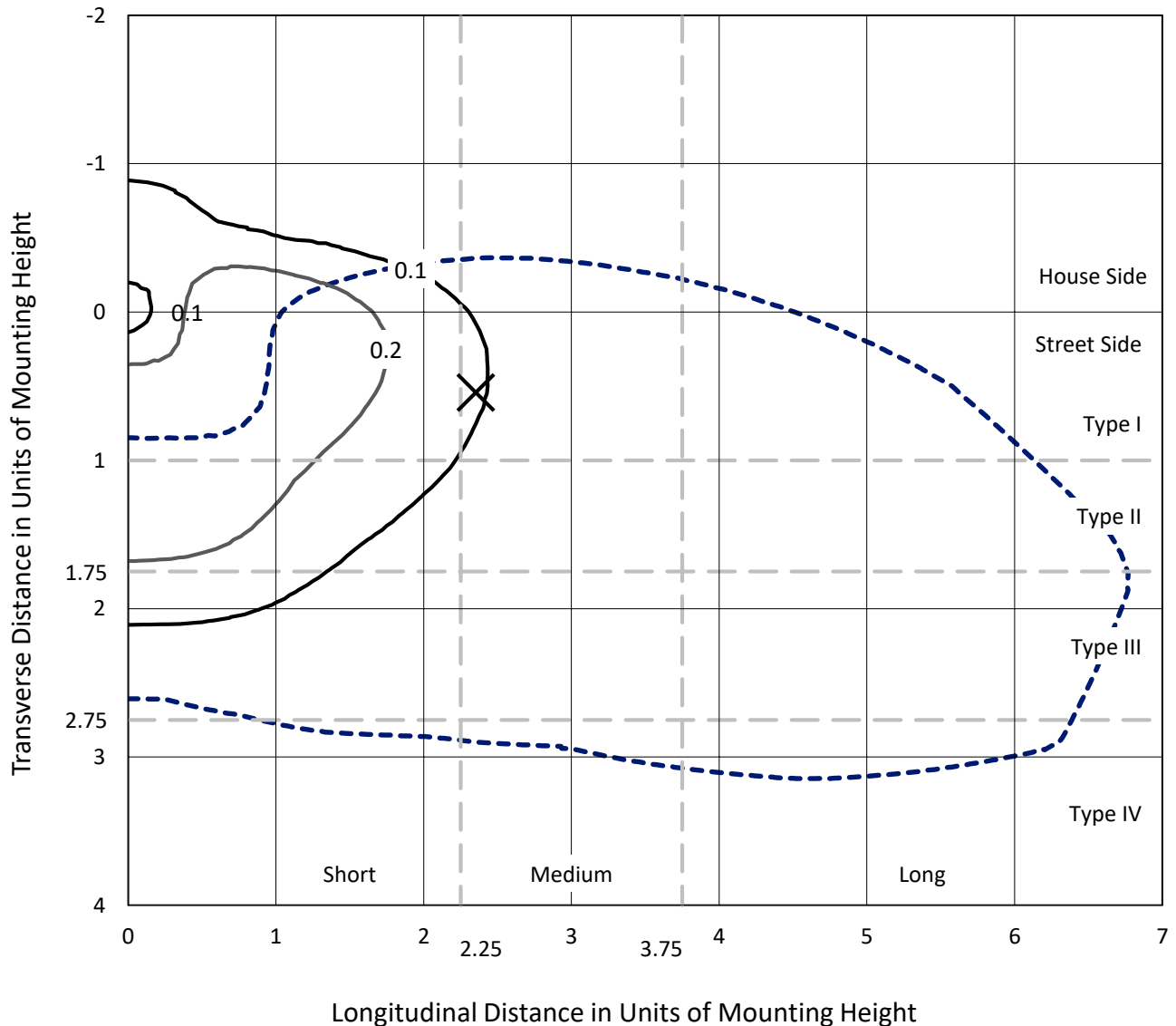
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

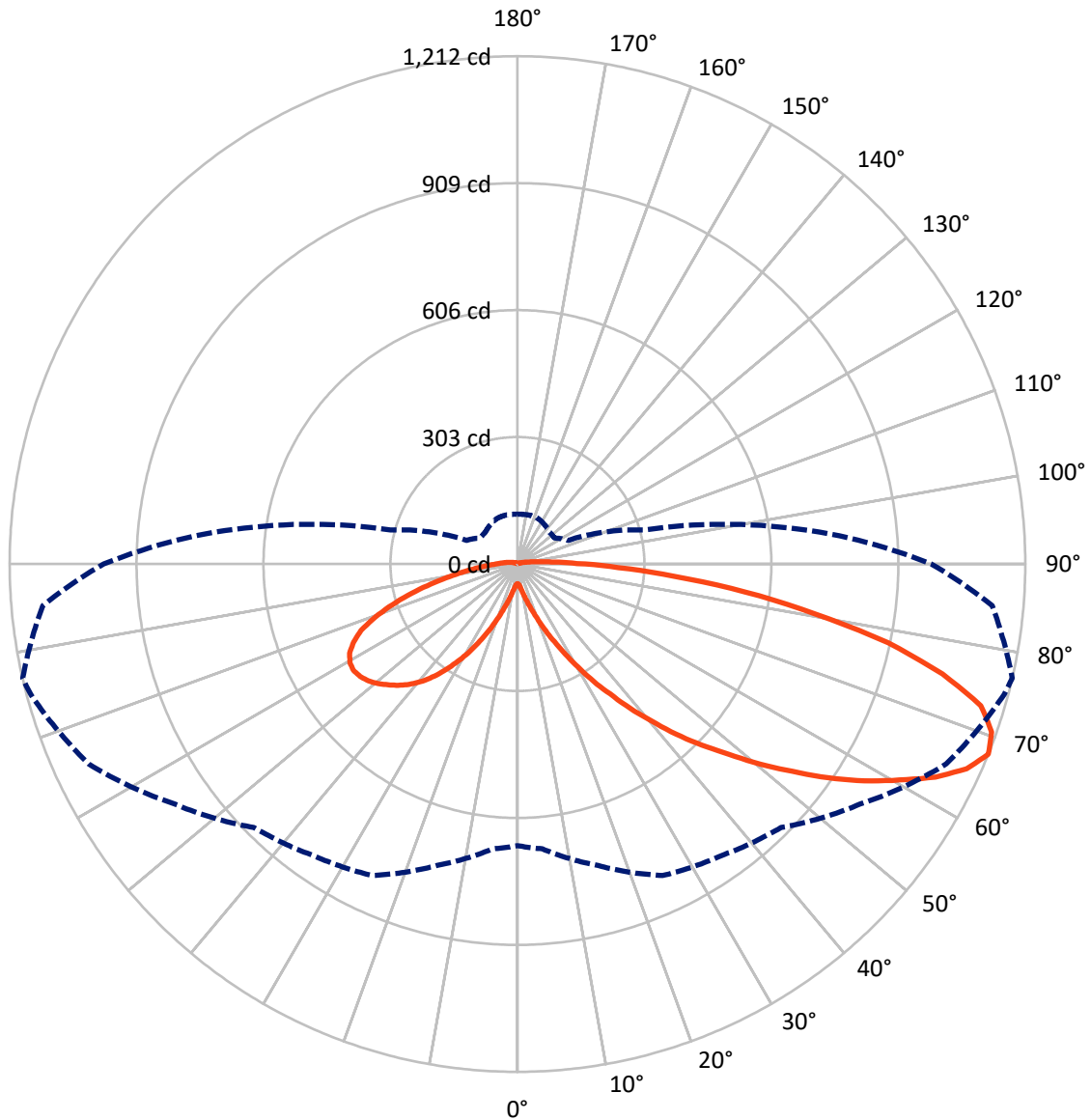
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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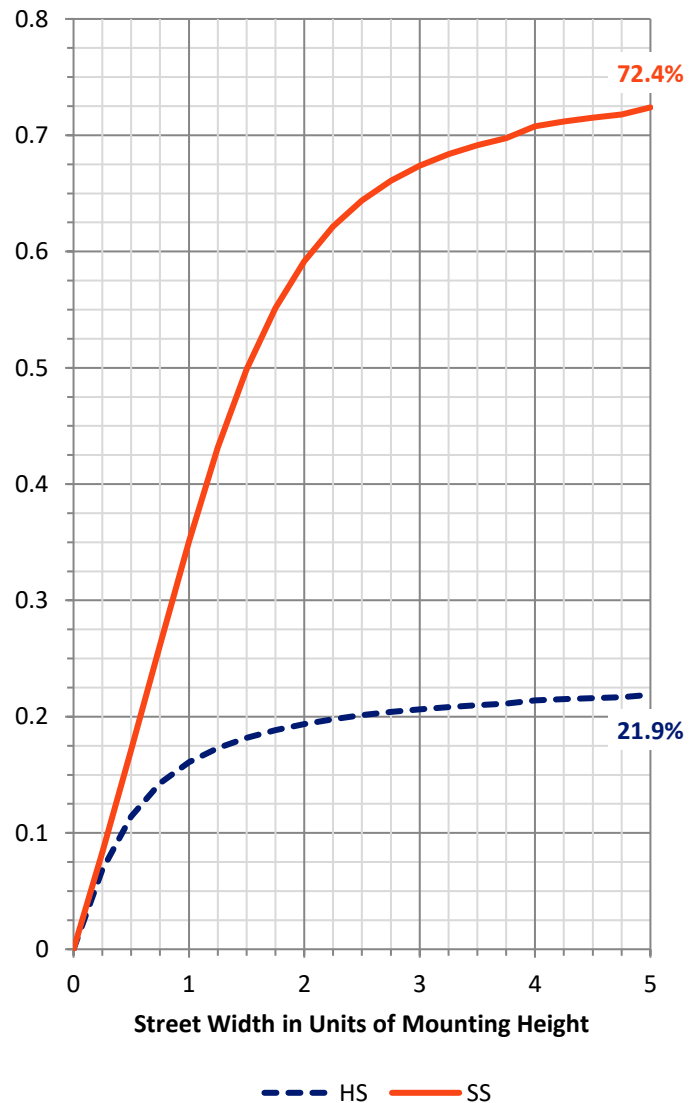
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.0	35.9	580.9
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	1768.1	40.0	1808.1
	% Fixture	74.0	1.7	75.7
Total	Lumens	2313.1	75.8	2389.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.2
10°-20°	27.7	1.2
20°-30°	82.8	3.5
30°-40°	183.4	7.7
40°-50°	328.3	13.7
50°-60°	491.8	20.6
60°-70°	579.7	24.3
70°-80°	442.5	18.5
80°-90°	171.5	7.2
90°-100°	43.7	1.8
100°-110°	16.5	0.7
110°-120°	7.8	0.3
120°-130°	4.2	0.2
130°-140°	2.3	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2313.1	96.8
0°-180°	2389.0	100.0



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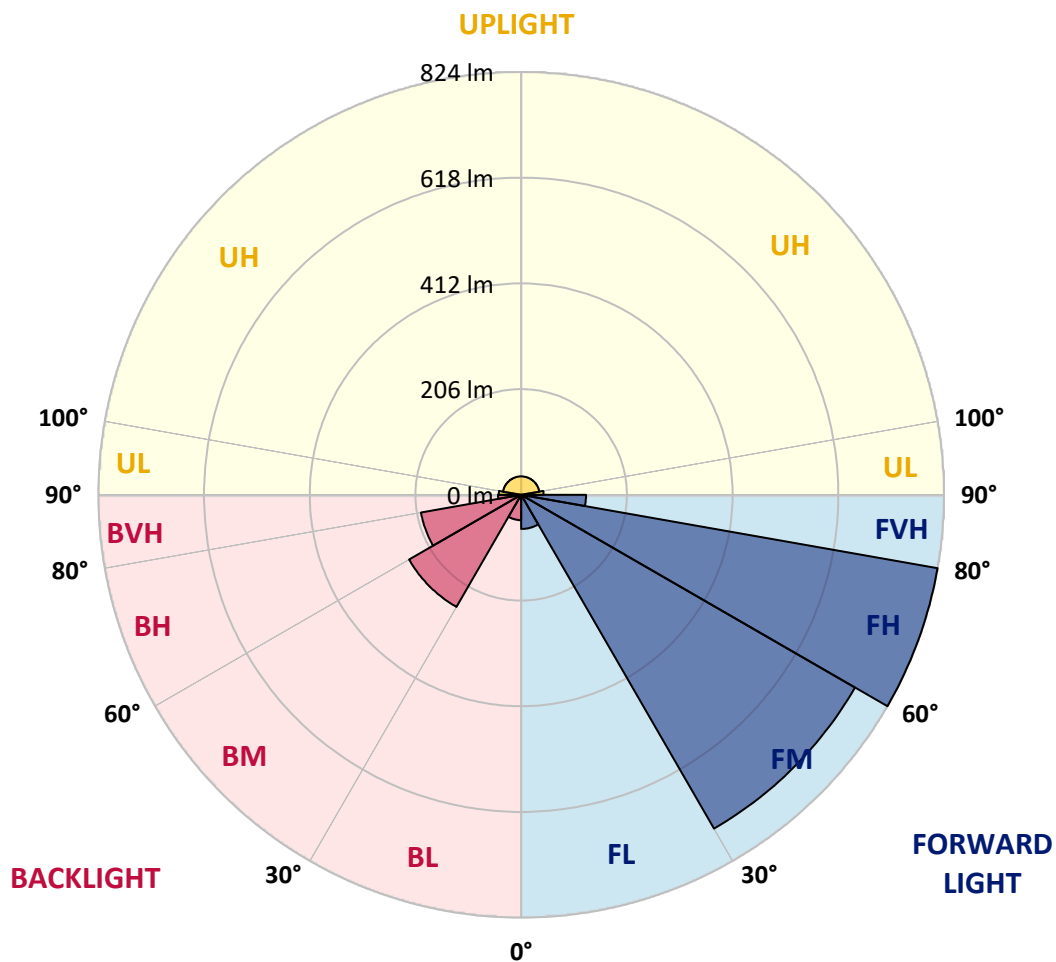
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.6	2.8			
FM	(30°-60°)	751.2	31.4			
FH	(60°-80°)	824.0	34.5			G1/1800
FVH	(80°-90°)	126.4	5.3			G2/225
BL	(0°-30°)	49.3	2.1	B0/110		
BM	(30°-60°)	252.3	10.6	B1/1000		
BH	(60°-80°)	198.2	8.3	B1/500		G1/500
BVH	(80°-90°)	45.2	1.9			G1/100
UL	(90°-100°)	43.7	1.8		U2/50	
UH	(100°-180°)	35.9	1.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	49.7	49.4	49.7	49.7	50.0	49.4	48.9	48.6	48.3	48.3	48.0
5°	54.9	54.3	54.6	54.9	54.6	54.1	53.2	53.0	52.4	52.4	51.9
7.5°	62.3	62.3	62.0	61.5	62.0	61.2	60.7	60.4	59.6	59.3	59.0
10°	73.6	73.0	72.7	72.2	71.6	71.4	70.3	70.3	68.9	69.4	68.6
12.5°	88.1	87.0	87.3	86.2	84.5	83.4	82.9	82.6	82.6	82.6	82.3
15°	105.7	104.8	104.6	102.1	100.5	99.1	98.0	98.3	99.6	99.9	98.8
17.5°	125.7	127.1	124.6	122.4	119.9	117.2	117.2	117.2	118.3	119.1	118.6
20°	153.7	151.0	148.2	144.6	140.5	138.3	137.2	140.5	142.4	143.8	143.3
22.5°	184.4	181.7	178.7	172.9	167.1	163.0	163.0	167.1	171.5	173.2	173.7
25°	219.3	220.9	213.5	204.7	194.3	190.8	191.3	197.3	203.9	205.3	208.6
27.5°	262.4	262.4	256.1	242.1	228.4	221.2	221.8	231.6	241.5	243.4	245.9
30°	314.8	312.9	304.4	285.7	267.6	254.2	256.6	268.7	284.3	286.0	289.0
32.5°	373.3	373.0	356.5	333.5	307.4	291.5	292.6	310.1	329.6	334.3	337.6
35°	438.0	439.7	418.3	384.8	354.6	333.2	336.8	356.8	379.6	380.7	384.8
37.5°	512.1	511.3	485.8	449.3	404.3	381.5	378.8	405.9	429.8	436.9	434.7
40°	594.2	585.4	560.7	515.4	460.0	429.5	430.1	458.1	490.5	492.7	492.1
42.5°	675.2	671.3	641.4	580.2	520.9	485.0	486.3	513.2	546.7	555.2	549.2
45°	762.5	752.8	720.5	657.3	585.2	546.2	542.6	572.8	609.6	616.2	610.4
47.5°	833.0	827.0	798.4	731.2	654.0	604.1	598.6	635.7	677.6	678.2	669.7
50°	891.5	888.4	865.9	806.4	720.7	668.9	663.1	699.9	743.8	750.9	738.6
52.5°	942.0	937.0	925.8	867.0	781.4	724.3	723.5	763.8	818.7	822.0	810.2
55°	958.1	961.2	959.5	918.1	841.0	779.2	786.1	840.4	889.5	901.1	878.8
57.5°	955.7	955.7	971.3	952.4	880.7	828.9	843.7	909.3	973.2	976.8	950.2
60°	918.3	919.2	956.8	962.0	909.3	871.4	906.3	979.3	1044.9	1047.1	1022.1
62.5°	864.6	862.6	917.8	944.1	912.9	896.7	951.0	1040.5	1112.4	1119.8	1082.2
65°	780.6	784.1	843.7	896.1	894.2	906.3	985.9	1095.7	1167.3	1178.0	1123.6
67.5°	672.2	682.6	745.2	820.4	849.5	889.5	998.8	1129.4	1203.0	1212.3	1137.6
70°	556.9	554.4	622.2	716.6	773.4	846.7	984.5	1130.8	1203.8	1200.8	1107.7
72.5°	422.4	432.8	493.8	589.8	674.1	765.5	938.1	1095.7	1157.7	1157.1	1028.7
75°	300.3	306.6	360.4	456.4	556.9	670.5	845.6	1019.1	1064.6	1048.2	914.2
77.5°	198.2	203.9	250.3	337.9	430.9	551.1	721.3	885.4	921.6	904.6	768.2
80°	123.2	126.0	161.1	230.5	313.2	427.1	584.1	724.0	738.3	721.0	591.5
82.5°	73.3	75.5	100.7	147.9	223.1	311.0	440.2	555.0	559.6	547.8	426.5
85°	45.0	48.0	64.2	98.8	148.8	219.3	306.8	385.6	388.9	375.2	281.9
87.5°	29.4	31.0	43.6	64.2	100.2	146.8	205.6	256.6	249.2	240.7	178.1
90°	20.0	21.1	29.9	44.2	67.8	97.2	130.1	160.6	148.8	142.2	108.1
92.5°	14.0	15.1	22.0	31.8	46.9	65.0	84.5	96.1	91.1	88.1	68.1
95°	11.0	11.5	16.7	24.7	34.9	46.1	56.0	59.6	56.5	54.3	45.8
97.5°	8.8	9.3	14.0	20.0	27.2	34.3	39.0	40.1	37.1	36.0	31.8
100°	7.4	8.0	11.8	16.7	22.2	27.2	29.1	28.8	26.3	25.8	23.1
102.5°	6.6	6.9	10.4	14.5	18.9	22.0	23.1	21.7	19.2	18.9	17.3
105°	5.8	6.3	9.1	12.6	16.2	18.7	18.7	17.0	14.3	14.0	13.2
107.5°	5.5	5.5	8.0	11.0	14.0	15.6	15.6	13.7	11.3	10.7	10.2
110°	4.9	5.2	7.1	9.6	12.1	13.4	13.2	11.0	8.5	8.2	8.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.7	4.7	6.3	8.5	10.4	11.5	11.0	9.1	6.9	6.6	6.3
115°	4.4	4.4	5.8	7.7	9.3	10.2	9.3	7.4	5.5	5.2	5.5
117.5°	4.1	4.4	5.2	6.9	8.2	8.8	8.0	6.3	4.7	4.4	4.7
120°	4.1	4.1	4.9	6.0	7.1	7.7	6.9	5.2	3.8	3.8	4.1
122.5°	4.1	4.1	4.7	5.5	6.3	6.6	5.8	4.4	3.6	3.6	3.8
125°	3.8	3.8	4.4	4.9	5.8	5.8	5.2	3.8	3.0	3.0	3.6
127.5°	3.8	3.8	4.1	4.7	5.2	5.2	4.4	3.3	2.7	3.0	3.3
130°	3.6	3.6	3.8	4.1	4.7	4.4	3.8	3.0	2.5	2.7	3.0
132.5°	3.6	3.6	3.6	3.8	4.1	3.8	3.3	2.5	2.5	2.5	2.7
135°	3.3	3.3	3.6	3.6	3.6	3.3	2.7	2.2	2.2	2.2	2.5
137.5°	3.3	3.3	3.3	3.3	3.3	3.0	2.5	1.9	1.9	1.9	2.2
140°	3.0	3.0	3.0	2.7	2.7	2.5	1.9	1.6	1.6	1.6	1.9
142.5°	2.7	2.7	2.7	2.5	2.5	1.9	1.6	1.4	1.4	1.6	1.6
145°	2.5	2.5	2.5	2.2	1.9	1.6	1.1	1.1	1.4	1.4	1.6
147.5°	1.9	1.9	1.9	1.9	1.4	1.4	0.8	1.1	1.1	1.4	1.4
150°	1.6	1.6	1.6	1.6	1.1	0.8	0.5	0.8	1.1	1.1	1.1
152.5°	1.4	1.4	1.4	1.4	0.8	0.5	0.5	0.8	0.8	0.8	1.1
155°	0.8	0.8	1.1	0.8	0.5	0.3	0.5	0.5	0.8	0.8	0.8
157.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.8
160°	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3	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°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	47.8	48.0	47.8	47.5	47.5	47.2	47.2	47.2	47.2	46.9	46.9
5°	52.1	51.9	51.6	51.0	50.5	50.0	50.0	49.7	49.4	49.1	49.1
7.5°	58.2	58.2	57.6	56.8	56.0	55.4	54.9	54.6	53.8	53.8	53.5
10°	67.5	67.5	65.9	65.0	63.7	62.3	61.8	60.9	60.4	60.1	59.8
12.5°	81.0	80.1	78.5	75.8	73.0	70.8	69.4	68.9	69.2	69.2	69.4
15°	98.3	96.6	94.1	88.9	84.0	80.7	79.9	79.9	80.1	80.1	80.4
17.5°	118.8	116.4	110.9	104.3	97.2	92.8	90.8	90.8	91.4	92.2	93.0
20°	143.8	141.6	133.1	121.6	110.9	105.1	101.8	101.6	102.6	105.1	104.6
22.5°	172.1	169.6	157.0	140.3	125.4	116.1	112.5	113.6	116.4	118.0	118.0
25°	206.1	202.0	183.1	158.6	139.7	126.5	121.9	123.5	127.6	129.5	130.4
27.5°	242.6	237.1	211.9	178.7	151.0	135.0	130.1	132.3	137.2	140.3	141.1
30°	286.0	276.4	242.1	197.3	161.1	141.1	135.9	140.0	145.5	149.0	149.9
32.5°	331.5	316.7	268.1	213.3	168.5	145.2	140.0	144.9	151.0	155.1	155.3
35°	377.1	360.1	297.0	226.2	172.4	147.1	141.6	147.4	154.0	157.3	158.1
37.5°	426.5	402.9	321.9	234.4	174.0	146.8	141.6	147.4	153.7	156.4	157.0
40°	474.0	444.9	344.2	239.3	173.5	144.6	139.7	145.7	151.2	153.1	152.9
42.5°	527.2	485.5	362.0	239.6	169.6	141.3	137.2	142.4	146.3	146.0	146.3
45°	578.0	528.6	375.2	237.7	164.4	137.2	133.9	138.6	140.0	138.6	138.3
47.5°	633.7	571.4	385.6	232.7	158.1	133.4	130.4	133.9	134.2	131.2	130.6
50°	692.7	614.2	395.2	223.7	150.7	129.0	127.1	130.1	129.5	124.6	123.8
52.5°	750.4	657.6	401.3	212.7	143.3	125.2	124.3	127.4	125.7	119.9	118.8
55°	811.9	697.7	402.4	201.7	136.1	121.9	121.9	125.2	123.2	117.2	116.4
57.5°	872.0	739.7	398.2	187.5	129.3	118.3	119.9	123.8	122.4	116.4	115.8
60°	928.2	771.2	387.0	174.0	123.0	115.8	118.6	123.0	121.9	116.9	116.4
62.5°	971.9	792.1	369.2	160.8	117.5	113.4	117.2	121.6	121.9	117.7	118.0
65°	992.2	792.1	343.4	147.7	112.5	110.9	115.8	120.8	121.3	118.8	118.8
67.5°	987.8	771.8	314.3	133.9	107.9	107.9	113.9	119.1	120.2	119.1	119.1
70°	941.4	716.9	274.5	123.0	103.2	104.3	110.9	116.4	118.0	118.3	118.0
72.5°	865.9	634.3	233.3	111.4	98.3	100.7	107.0	112.5	114.7	115.3	115.0
75°	749.3	538.5	192.9	101.8	93.0	96.1	102.6	107.3	109.8	110.9	110.3
77.5°	602.2	427.3	158.1	92.2	87.0	90.3	96.6	100.5	103.5	104.8	103.7
80°	458.9	318.1	125.7	82.6	79.6	83.2	88.7	92.8	95.5	96.1	95.2
82.5°	325.8	225.6	100.7	73.6	71.6	74.7	79.6	82.3	85.6	85.4	83.7
85°	213.5	153.1	79.0	63.9	63.1	65.0	68.9	70.5	73.8	73.8	71.9
87.5°	138.9	101.6	62.3	53.8	54.6	56.3	58.2	59.6	60.9	61.2	59.6
90°	88.7	69.4	49.7	45.8	46.7	48.0	48.0	47.8	50.0	50.5	49.1
92.5°	58.2	49.4	41.2	39.0	39.5	39.8	39.8	38.7	40.6	40.9	39.8
95°	40.9	37.1	34.0	33.5	33.5	33.5	32.9	31.6	33.2	33.2	32.7
97.5°	30.7	28.8	28.5	28.5	28.5	28.3	27.4	26.9	27.4	27.4	27.2
100°	23.1	22.8	23.6	24.2	24.4	24.2	23.6	22.8	22.8	21.7	22.0
102.5°	17.6	18.1	19.8	20.6	20.6	20.6	20.3	19.2	18.7	17.6	17.3
105°	13.7	14.3	16.2	17.3	17.6	17.8	17.3	16.2	15.1	14.0	13.7
107.5°	10.7	11.5	13.2	14.5	15.1	15.1	14.8	13.7	12.4	11.0	11.0
110°	8.8	9.3	11.0	12.4	12.9	12.9	12.6	11.3	9.9	8.8	8.8



REPORT NUMBER: P414228

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	7.7	9.3	10.4	11.0	11.3	10.7	9.6	8.2	7.1	7.1
115°	6.0	6.6	8.0	8.8	9.3	9.3	9.1	8.0	6.9	6.0	6.0
117.5°	5.2	5.8	6.9	7.7	8.0	8.2	7.7	6.9	5.8	5.2	5.2
120°	4.7	4.9	6.0	6.6	6.9	6.9	6.6	5.8	4.9	4.7	4.7
122.5°	4.1	4.7	5.2	5.8	6.0	6.0	5.8	4.9	4.4	4.1	4.4
125°	3.8	4.1	4.7	5.2	5.2	5.2	4.9	4.4	3.8	3.8	3.8
127.5°	3.6	3.8	4.1	4.4	4.7	4.7	4.4	3.8	3.6	3.6	3.6
130°	3.3	3.6	3.8	3.8	4.1	4.1	3.8	3.3	3.3	3.3	3.3
132.5°	3.0	3.3	3.3	3.6	3.6	3.6	3.3	3.0	3.0	3.0	3.0
135°	2.7	2.7	3.0	3.0	3.0	3.0	2.7	2.7	2.7	2.7	2.7
137.5°	2.5	2.5	2.7	2.5	2.7	2.5	2.5	2.2	2.5	2.5	2.5
140°	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.9	2.2	2.2	2.2
142.5°	1.9	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.9	1.9	1.9
145°	1.6	1.6	1.6	1.4	1.4	1.1	1.4	1.4	1.6	1.6	1.6
147.5°	1.4	1.4	1.4	1.4	1.1	0.8	0.8	1.1	1.4	1.4	1.4
150°	1.1	1.4	1.4	1.1	0.8	0.5	0.5	0.8	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.3	0.5	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.5	0.5	0.5	0.5
157.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.3	0.3
160°	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.3	0.3	0.0	0.0
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)