

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: P414482

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U2 - G2

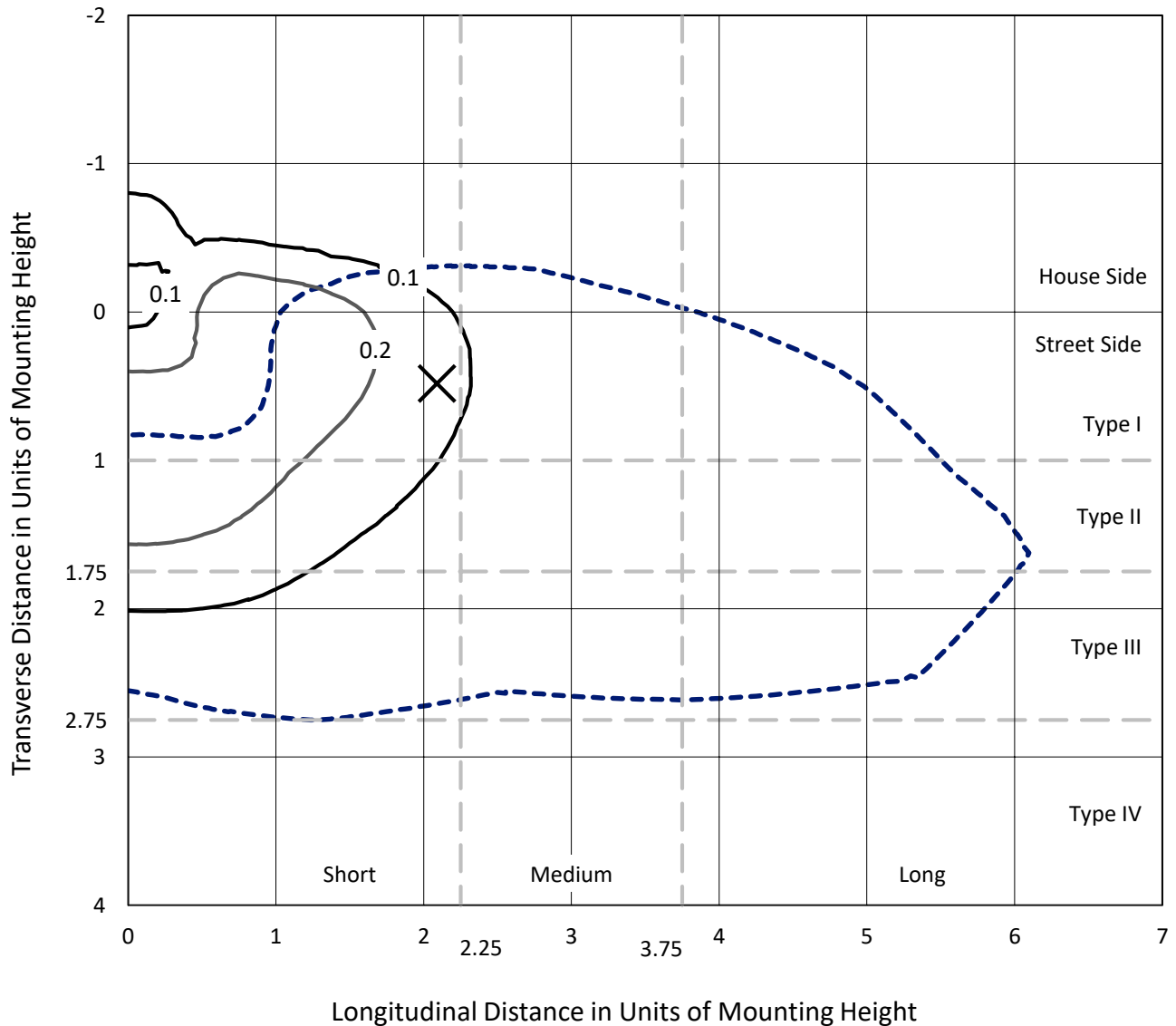
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

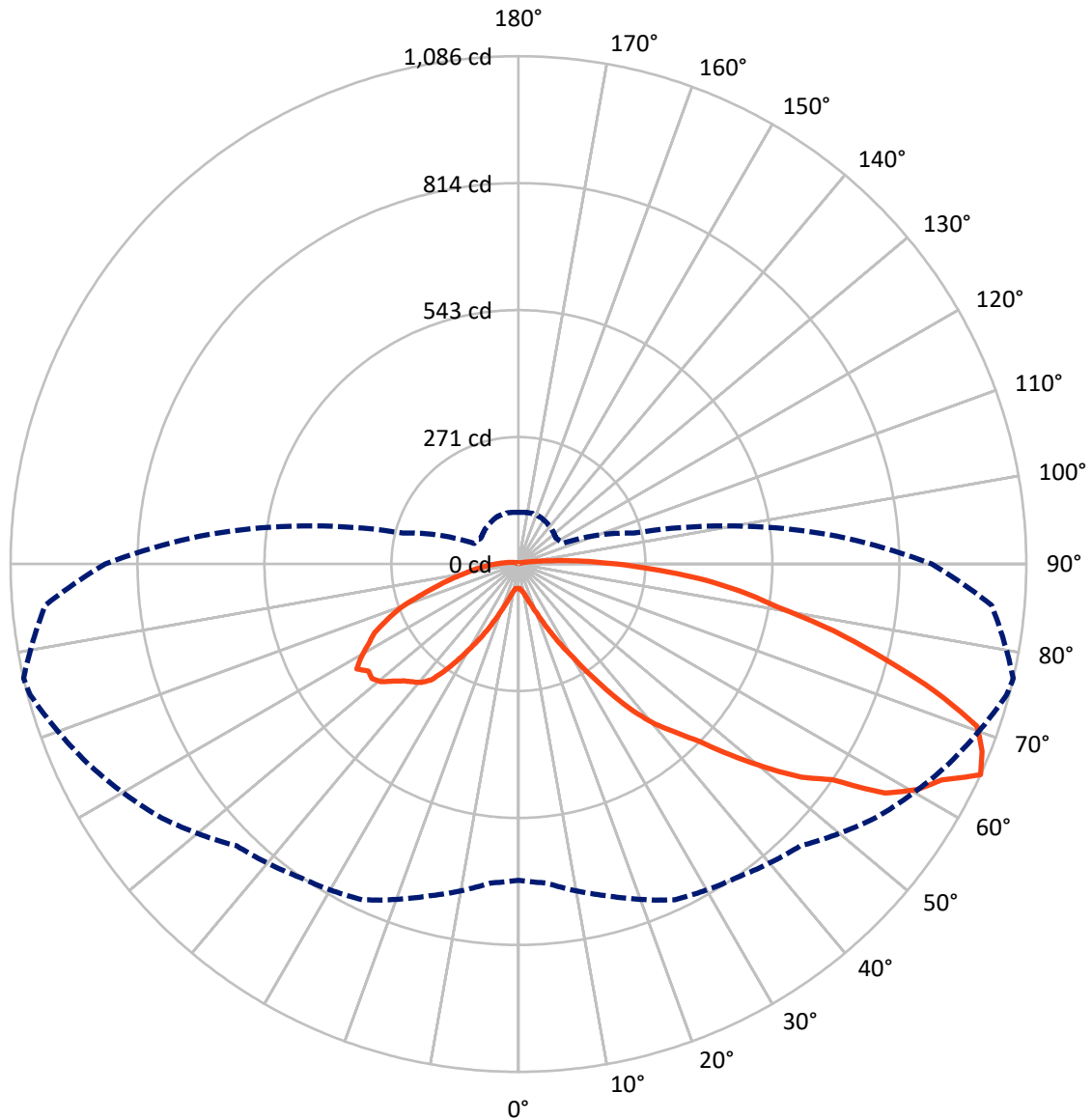
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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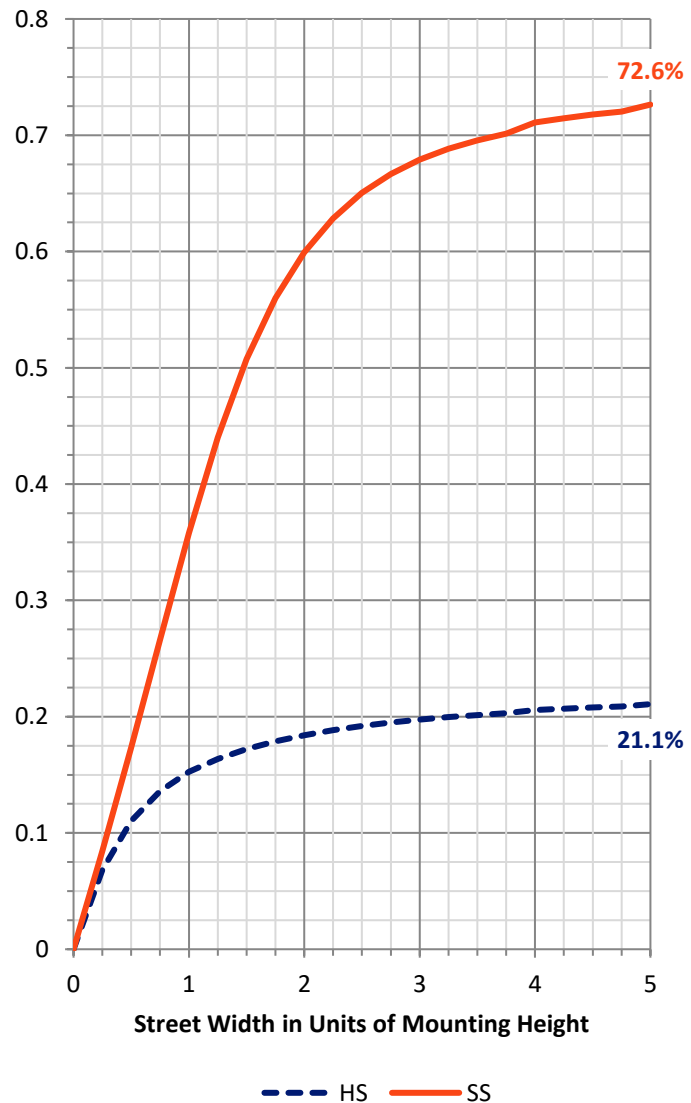
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	459.2	32.7	491.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1551.3	40.8	1592.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	2010.5	73.5	2084.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.3
10°-20°	22.8	1.1
20°-30°	66.9	3.2
30°-40°	160.1	7.7
40°-50°	288.3	13.8
50°-60°	438.6	21.0
60°-70°	517.3	24.8
70°-80°	356.5	17.1
80°-90°	154.6	7.4
90°-100°	45.1	2.2
100°-110°	14.1	0.7
110°-120°	6.6	0.3
120°-130°	3.9	0.2
130°-140°	2.4	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°	2010.5	96.5
0°-180°	2084.0	100.0



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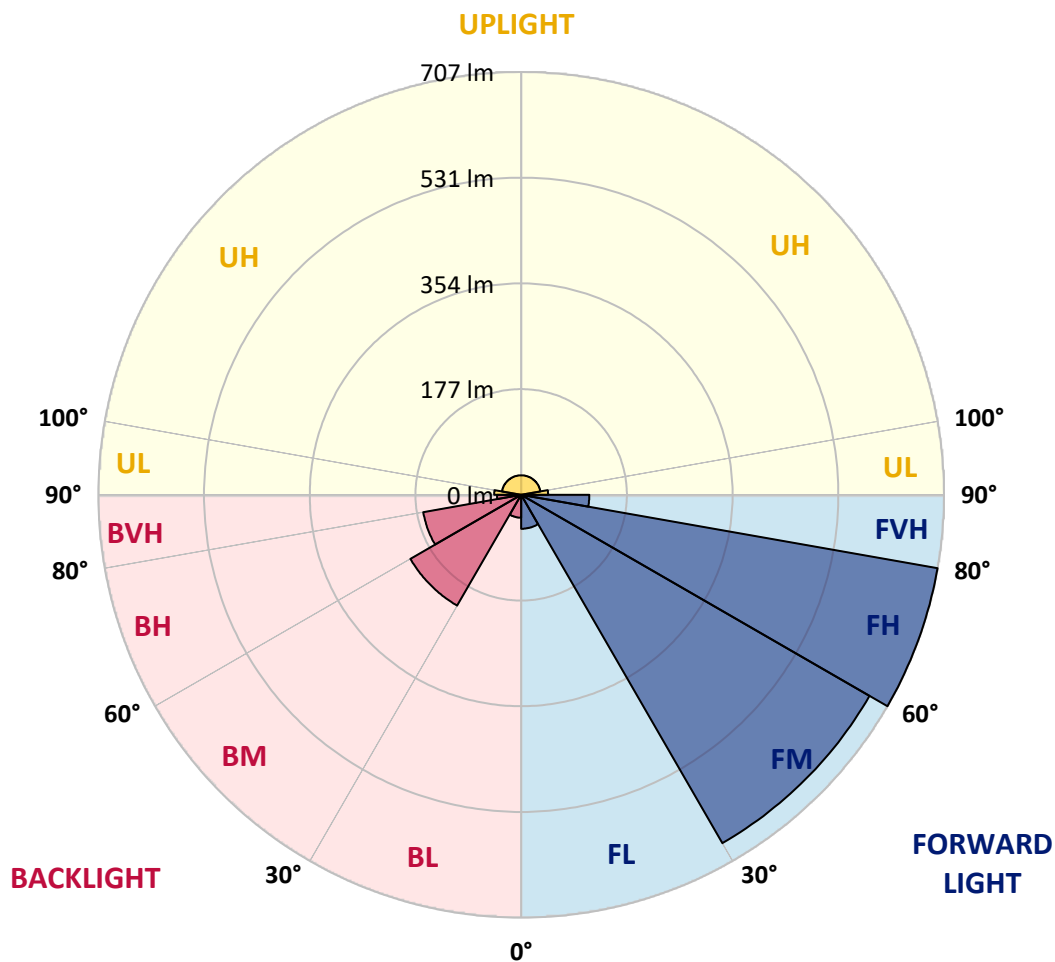
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.8	2.7			
FM	(30°-60°)	673.0	32.3			
FH	(60°-80°)	707.5	33.9			G1/1800
FVH	(80°-90°)	114.0	5.5			G2/225
BL	(0°-30°)	38.3	1.8	B0/110		
BM	(30°-60°)	214.0	10.3	B0/220		
BH	(60°-80°)	166.4	8.0	B1/500		G1/500
BVH	(80°-90°)	40.5	1.9			G1/100
UL	(90°-100°)	45.1	2.2		U2/50	
UH	(100°-180°)	32.7	1.6		U2/50	

BUG Rating: B1-U2-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2.5°	56.3	56.1	56.1	56.3	55.8	55.3	54.6	53.9	53.2	53.2	52.7
5°	60.8	60.6	60.6	60.6	59.6	58.9	57.3	56.3	55.3	54.9	54.1
7.5°	66.8	66.1	66.4	66.1	64.7	63.2	61.6	59.6	58.5	58.2	56.8
10°	74.7	74.3	73.8	72.8	71.4	69.0	66.6	64.9	63.2	63.0	61.3
12.5°	86.0	85.5	84.6	82.4	79.3	76.4	74.0	72.1	71.1	70.7	69.0
15°	99.7	98.2	97.7	94.4	90.1	86.7	84.1	82.9	81.9	81.9	79.8
17.5°	115.7	115.7	113.3	108.8	103.2	99.2	96.5	94.4	95.1	94.9	93.7
20°	135.6	135.1	131.5	125.5	118.8	115.0	111.6	110.4	111.4	112.3	112.3
22.5°	164.3	163.1	157.6	148.5	138.7	132.5	130.1	129.8	133.7	134.9	136.3
25°	196.7	195.0	188.0	177.0	164.8	155.2	151.9	154.5	161.5	164.1	167.0
27.5°	235.7	234.8	224.2	209.1	194.5	182.1	178.2	186.4	195.7	196.7	202.4
30°	286.0	286.5	272.1	250.3	225.4	212.5	208.2	218.0	231.9	232.8	244.3
32.5°	344.2	344.2	322.7	296.3	264.2	246.0	241.9	257.8	279.6	282.9	293.9
35°	418.5	414.2	386.6	348.8	308.5	281.5	281.0	305.7	335.6	339.0	350.9
37.5°	485.1	487.7	459.7	410.3	356.0	324.8	328.9	360.3	398.1	399.1	412.0
40°	557.2	560.1	527.0	475.5	408.7	373.7	381.8	411.1	448.7	449.4	453.9
42.5°	613.7	621.2	590.2	536.6	469.0	429.3	431.2	458.5	487.5	491.1	494.2
45°	647.5	653.0	636.0	593.1	522.2	484.8	480.3	502.6	540.4	539.5	544.0
47.5°	700.7	707.1	681.0	642.0	582.1	535.9	530.1	559.1	605.6	610.4	606.1
50°	755.8	764.4	745.5	700.0	638.2	593.1	593.8	626.9	681.0	682.7	685.4
52.5°	794.3	800.6	793.1	761.5	695.9	654.9	661.4	700.9	754.1	757.2	746.7
55°	800.3	809.9	815.9	808.7	759.1	718.6	735.2	774.7	810.6	813.3	805.1
57.5°	798.4	806.3	819.0	824.5	799.6	784.3	805.6	846.1	915.3	924.2	920.1
60°	796.3	802.0	828.4	836.5	822.4	834.6	868.6	940.7	978.8	979.5	942.4
62.5°	736.4	746.0	795.5	836.5	832.7	855.9	930.4	980.5	1010.7	1016.2	980.7
65°	676.2	684.6	734.5	792.0	817.3	852.3	940.0	1013.8	1080.8	1085.9	1015.7
67.5°	589.3	602.5	656.8	726.1	757.2	813.0	914.8	1025.5	1067.2	1069.3	989.1
70°	480.1	498.0	559.3	632.4	669.8	726.3	858.5	983.6	1041.8	1040.6	945.0
72.5°	345.9	362.0	418.0	504.7	563.2	625.0	755.5	900.2	933.3	932.1	803.9
75°	235.0	243.6	285.8	365.1	449.2	521.7	650.9	780.9	809.0	806.8	688.7
77.5°	154.0	163.9	191.2	259.0	337.3	420.9	546.4	653.7	697.8	689.9	583.8
80°	94.4	99.9	122.4	174.9	255.6	339.7	451.8	553.1	575.9	564.4	476.7
82.5°	58.9	63.2	79.3	115.5	183.5	262.3	370.6	465.7	491.1	478.1	392.1
85°	36.2	38.3	49.3	75.9	124.6	192.8	298.0	377.8	393.3	384.0	295.6
87.5°	26.4	26.8	33.8	51.3	84.1	138.0	219.4	284.6	295.8	278.6	207.2
90°	19.4	20.4	24.9	36.2	58.5	93.7	151.2	200.3	203.1	192.6	138.5
92.5°	14.6	15.1	18.7	25.6	40.2	64.0	100.9	134.1	131.5	124.1	86.0
95°	10.5	10.8	13.4	18.2	28.3	42.9	64.2	84.1	75.7	72.6	52.2
97.5°	8.6	8.9	10.8	14.1	20.8	30.2	41.4	50.1	44.6	42.6	33.5
100°	7.4	7.4	9.1	11.7	16.3	22.5	27.5	31.4	28.7	27.8	23.7
102.5°	6.7	6.7	7.9	9.8	13.4	17.7	20.4	21.6	20.1	19.4	17.5
105°	6.0	6.0	6.9	8.4	11.3	14.4	15.6	15.8	14.4	14.1	13.4
107.5°	5.5	5.5	6.2	7.4	9.6	12.0	12.5	11.7	11.0	10.5	10.5
110°	4.8	5.0	5.5	6.5	8.4	10.1	10.1	9.1	8.1	8.1	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.6	4.6	5.0	6.0	7.4	8.6	8.1	7.2	6.5	6.5	6.9
115°	4.1	4.1	4.6	5.5	6.7	7.4	6.9	6.0	5.3	5.5	6.0
117.5°	3.8	3.8	4.3	5.0	6.0	6.5	6.0	5.0	4.6	4.8	5.5
120°	3.8	3.8	4.3	4.8	5.5	5.7	5.3	4.3	4.1	4.1	4.8
122.5°	3.8	3.8	4.1	4.8	5.3	5.3	4.6	3.8	3.6	3.6	4.3
125°	3.8	3.8	4.3	4.8	4.8	4.8	4.1	3.4	3.1	3.4	3.8
127.5°	4.1	4.1	4.3	4.6	4.6	4.3	3.6	3.1	2.9	3.1	3.6
130°	4.1	4.1	4.3	4.6	4.3	3.8	3.4	2.9	2.9	2.9	3.6
132.5°	4.1	4.1	4.3	4.3	4.1	3.4	2.9	2.4	2.6	2.9	3.4
135°	3.8	3.8	3.8	3.8	3.6	3.1	2.4	2.2	2.4	2.6	3.1
137.5°	3.6	3.6	3.6	3.6	3.1	2.6	1.9	1.7	2.2	2.2	2.6
140°	3.1	3.1	3.4	3.1	2.9	2.2	1.7	1.2	1.7	1.7	2.2
142.5°	2.9	2.9	2.9	2.9	2.4	1.9	1.2	1.2	1.4	1.4	1.7
145°	2.4	2.4	2.6	2.4	1.9	1.4	1.0	1.0	1.2	1.2	1.4
147.5°	1.9	2.2	2.2	1.9	1.7	1.2	0.7	0.7	1.0	1.0	1.2
150°	1.7	1.7	1.7	1.7	1.2	0.7	0.5	0.7	1.0	1.0	1.0
152.5°	1.2	1.2	1.4	1.4	1.0	0.5	0.5	0.7	0.7	0.7	1.0
155°	1.0	1.0	1.2	1.0	0.7	0.2	0.5	0.5	0.7	0.7	0.7
157.5°	0.5	0.5	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.5	0.7
160°	0.2	0.2	0.7	0.7	0.5	0.2	0.2	0.2	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°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2.5°	52.5	52.0	51.7	51.3	50.8	50.3	50.3	50.3	50.1	49.8	50.1
5°	53.4	53.2	52.0	51.0	50.1	49.6	49.1	48.9	48.9	48.4	48.4
7.5°	56.1	55.1	53.4	51.7	50.8	49.8	49.1	48.9	48.6	48.1	48.1
10°	60.1	58.9	57.0	54.4	52.7	51.0	50.3	50.3	50.1	49.8	49.8
12.5°	67.8	66.4	63.0	59.4	56.1	53.7	53.2	53.9	55.3	55.6	55.6
15°	79.1	77.4	73.1	67.3	62.0	58.7	59.2	61.1	63.0	63.7	63.7
17.5°	92.9	91.0	84.8	76.4	69.5	66.4	66.1	68.8	71.4	72.8	72.8
20°	111.6	108.5	100.4	88.4	78.8	75.2	73.8	76.2	80.2	81.9	81.4
22.5°	134.9	131.3	119.8	101.6	89.6	83.1	81.2	83.8	88.9	91.0	90.8
25°	165.5	161.9	143.3	118.1	100.1	90.1	88.9	92.7	100.1	104.4	104.0
27.5°	201.2	195.2	170.3	136.5	110.4	95.8	96.1	102.5	110.2	115.0	114.5
30°	239.3	231.6	197.6	154.3	120.0	102.3	101.8	109.5	117.4	122.4	122.4
32.5°	289.6	278.4	229.2	171.3	127.4	107.3	105.6	114.3	122.4	127.7	127.4
35°	343.5	328.4	262.3	189.2	133.7	110.0	108.0	116.9	125.3	131.5	131.5
37.5°	405.3	379.7	293.2	201.7	138.0	111.4	108.8	118.8	129.1	135.6	135.1
40°	437.9	409.2	308.1	207.2	138.7	111.6	110.0	120.5	129.1	131.5	130.3
42.5°	474.3	437.2	314.3	200.5	136.1	111.2	110.7	118.8	122.6	121.9	121.2
45°	520.3	470.2	320.3	192.1	129.8	110.4	109.5	114.3	114.5	111.6	110.7
47.5°	579.0	515.7	330.1	182.1	123.6	108.8	107.6	109.7	105.6	100.4	98.7
50°	642.0	568.5	342.3	173.4	117.9	106.6	105.4	104.7	100.6	95.3	94.4
52.5°	696.8	604.1	345.7	164.3	114.0	105.2	103.7	103.0	99.2	93.2	92.0
55°	746.0	634.6	333.9	150.7	110.9	104.2	103.7	103.7	99.7	93.4	92.2
57.5°	843.0	707.4	338.2	136.8	106.8	104.0	104.7	104.9	101.1	95.1	93.9
60°	845.8	693.5	313.1	127.0	103.2	104.0	105.6	106.1	103.5	99.4	98.7
62.5°	873.4	694.0	279.3	114.3	100.9	103.5	106.4	108.0	108.3	105.9	105.4
65°	883.5	683.9	254.9	104.2	97.5	102.3	106.6	110.7	112.1	110.9	110.4
67.5°	844.9	637.7	221.6	97.5	94.1	100.4	106.4	111.4	114.5	115.2	115.2
70°	794.1	585.7	191.9	91.0	90.5	97.7	104.7	111.4	115.7	117.6	117.6
72.5°	665.2	481.0	158.3	84.3	85.8	93.7	101.1	109.2	114.0	115.7	115.0
75°	556.5	396.0	130.3	78.6	81.0	88.6	96.1	104.0	107.3	108.3	107.6
77.5°	470.7	329.4	107.1	73.3	75.2	82.2	88.9	94.4	96.5	96.1	94.9
80°	379.4	257.0	87.9	66.8	68.8	74.3	79.1	83.4	85.5	84.3	83.6
82.5°	302.1	204.3	75.0	61.1	61.8	66.4	69.7	73.1	76.7	75.7	73.8
85°	223.5	150.4	63.7	54.9	54.9	58.2	59.9	63.0	68.0	67.8	67.1
87.5°	152.8	107.1	54.1	48.6	48.4	50.3	51.3	54.6	61.1	61.3	60.6
90°	100.6	73.3	45.3	42.2	41.7	43.1	43.8	46.7	52.0	52.5	51.5
92.5°	65.4	50.8	37.1	35.7	35.5	36.7	36.4	38.3	41.9	41.7	41.0
95°	41.9	35.5	30.2	29.5	28.7	30.2	29.7	30.2	32.1	31.6	31.6
97.5°	29.0	27.1	24.9	23.7	23.2	24.7	24.2	24.2	25.2	24.2	23.7
100°	22.3	21.6	20.6	19.6	18.7	19.9	19.9	19.9	20.6	19.2	18.7
102.5°	17.2	17.0	17.0	16.3	15.6	16.5	16.8	17.0	16.8	15.3	15.1
105°	13.7	13.7	14.1	13.4	13.2	13.9	14.1	13.9	13.9	12.7	12.7
107.5°	10.8	11.3	11.7	11.3	11.3	11.7	11.7	11.7	11.3	10.5	10.8
110°	8.9	9.3	10.1	9.6	9.6	10.1	9.8	9.6	9.3	9.1	9.1



REPORT NUMBER: P414482

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.7	7.9	8.4	8.1	8.4	8.6	8.4	7.9	7.9	7.9	8.1
115°	6.5	6.9	7.4	7.2	7.2	7.4	6.9	6.7	6.7	6.9	6.9
117.5°	5.7	6.2	6.5	6.5	6.2	6.5	6.0	5.7	6.0	6.2	6.2
120°	5.3	5.5	5.7	5.7	5.5	5.5	5.3	5.0	5.3	5.5	5.7
122.5°	4.8	5.0	5.0	5.3	5.0	4.8	4.6	4.6	4.8	5.0	5.0
125°	4.3	4.6	4.6	4.6	4.6	4.3	4.1	4.1	4.3	4.6	4.8
127.5°	3.8	4.1	4.1	4.3	4.1	3.8	3.6	3.8	4.1	4.3	4.3
130°	3.8	3.8	3.8	3.8	3.6	3.4	3.4	3.4	3.8	4.1	4.1
132.5°	3.6	3.8	3.6	3.6	3.4	2.9	2.9	3.1	3.6	3.8	3.8
135°	3.4	3.4	3.1	3.1	2.9	2.6	2.4	2.9	3.1	3.4	3.4
137.5°	2.9	2.9	2.6	2.4	2.4	2.2	2.2	2.4	2.9	3.1	3.1
140°	2.2	2.4	2.2	1.9	1.9	1.7	1.9	2.2	2.6	2.6	2.6
142.5°	1.7	1.9	1.7	1.4	1.4	1.4	1.4	1.9	2.4	2.4	2.4
145°	1.4	1.4	1.4	1.2	1.0	1.0	1.2	1.7	2.2	2.2	2.2
147.5°	1.2	1.2	1.2	1.0	0.7	0.7	1.0	1.4	1.7	1.7	1.7
150°	1.0	1.0	1.0	1.0	0.7	0.5	0.7	1.2	1.4	1.4	1.4
152.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.5	1.0	1.2	1.2	1.2
155°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	0.7	0.5	0.2	0.0	0.2	0.7	1.0	0.7	0.7
160°	0.5	0.5	0.5	0.5	0.2	0.0	0.2	0.5	0.7	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)