

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: P694528

Luminaire Tested: **LXF.LXT-PA16-20-730-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2358 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

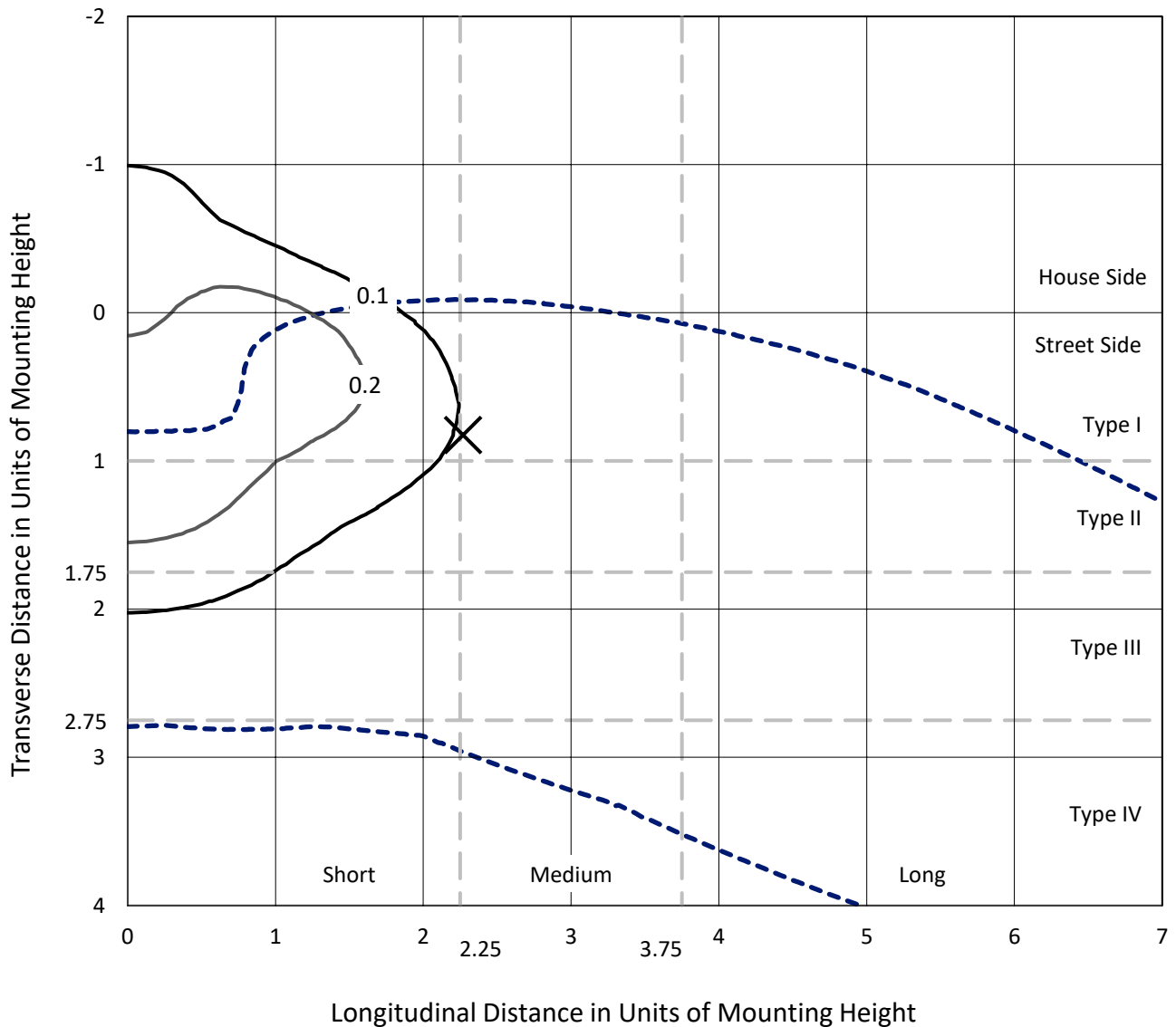
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

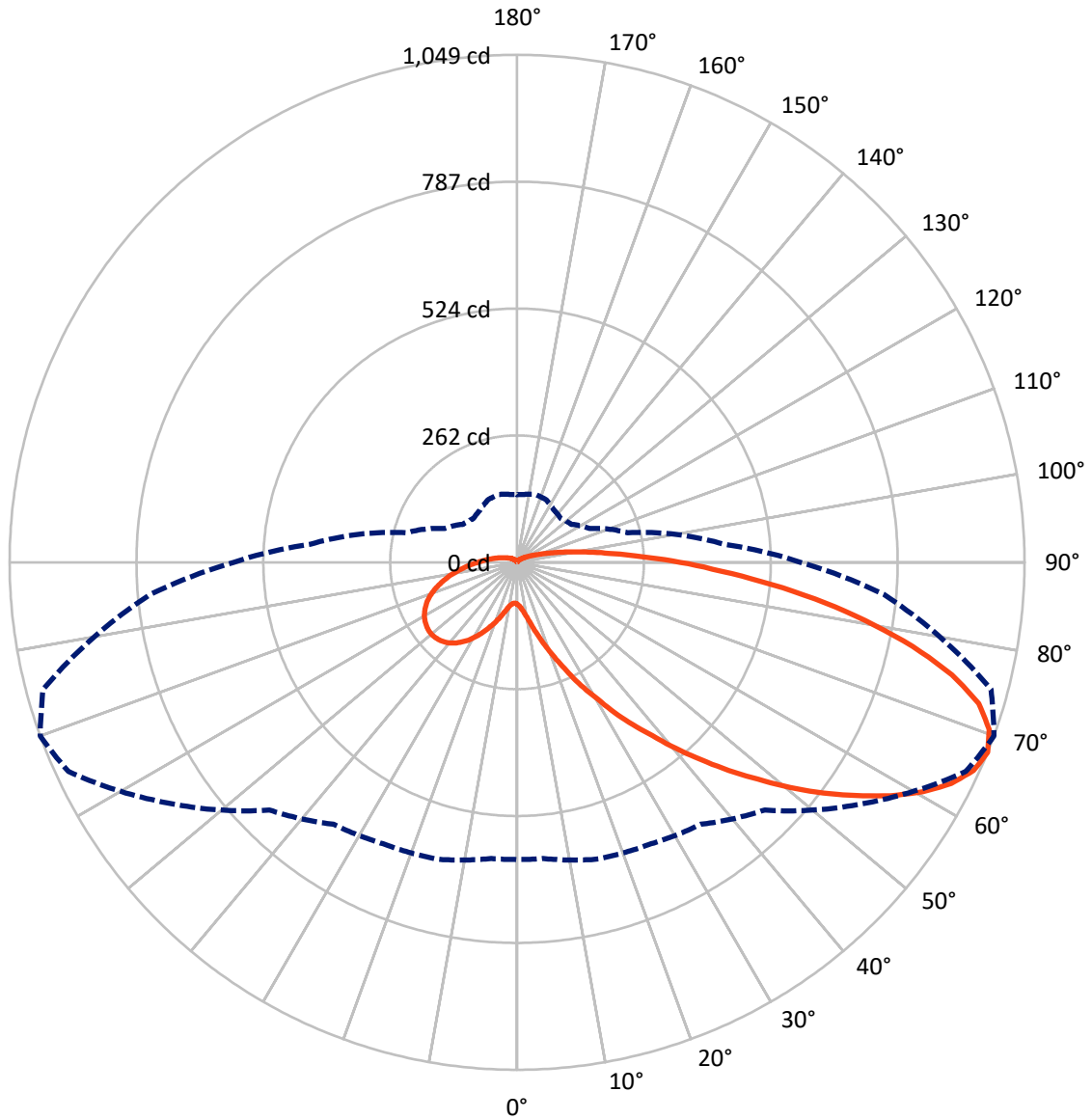
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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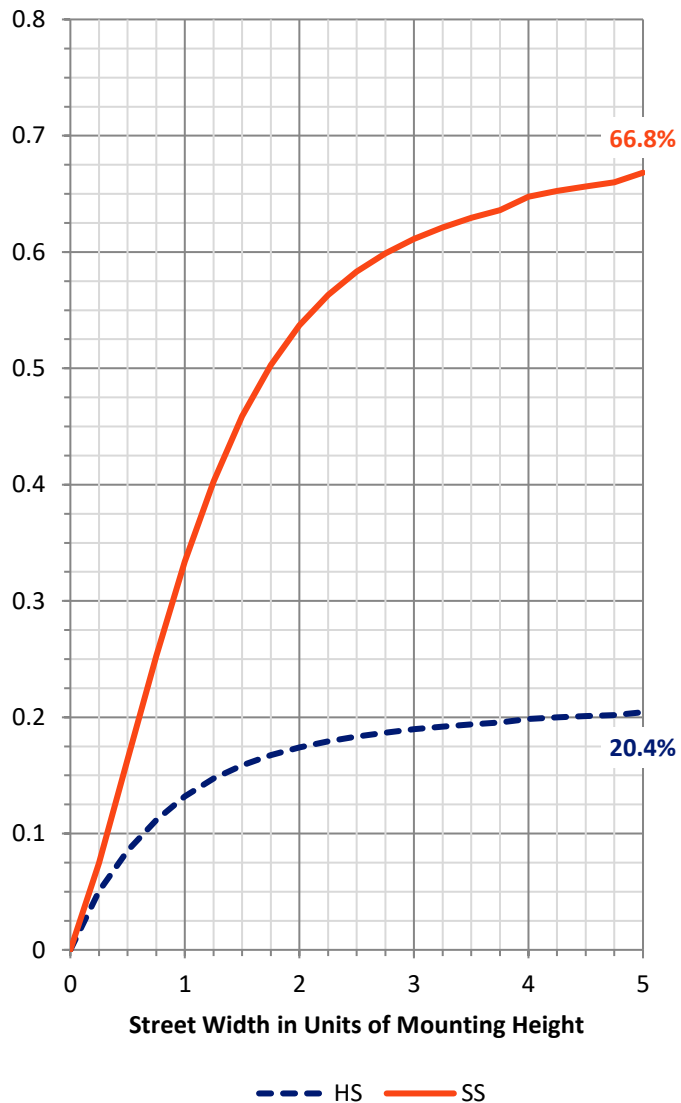
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.3	69.2	577.5
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	1650.9	129.6	1780.5
	% Fixture	70.0	5.5	75.5
Total	Lumens	2159.2	198.8	2358.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.4
10°-20°	37.3	1.6
20°-30°	94.1	4.0
30°-40°	184.3	7.8
40°-50°	300.0	12.7
50°-60°	420.3	17.8
60°-70°	482.1	20.4
70°-80°	401.3	17.0
80°-90°	230.8	9.8
90°-100°	105.9	4.5
100°-110°	48.5	2.1
110°-120°	23.8	1.0
120°-130°	12.3	0.5
130°-140°	6.0	0.3
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2159.2	91.6
0°-180°	2358.0	100.0

Coefficient of Utilization

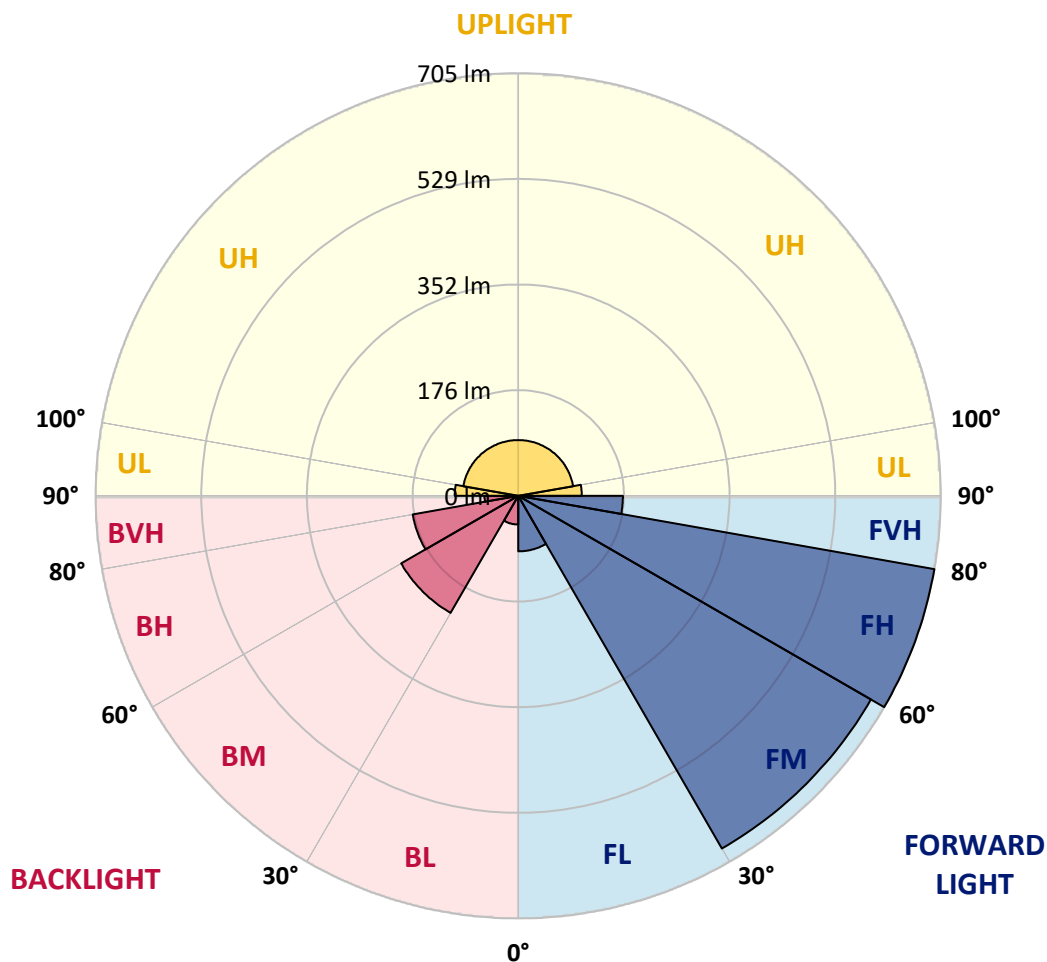


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.6	3.9			
FM (30°-60°)	679.1	28.8			
FH (60°-80°)	704.7	29.9			G1/1800
FVH (80°-90°)	174.5	7.4			G2/225
BL (0°-30°)	47.9	2.0	B0/110		
BM (30°-60°)	225.4	9.6	B1/1000		
BH (60°-80°)	178.7	7.6	B1/500		G1/500
BVH (80°-90°)	56.3	2.4			G1/100
UL (90°-100°)	105.9	4.5		U3/500	
UH (100°-180°)	92.9	3.9		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	94.9	94.9	94.9	94.0	94.0	92.2	92.2	90.4	90.4	89.5	87.6
5°	106.8	106.8	105.9	105.9	104.1	102.2	100.4	97.7	95.8	94.9	92.2
7.5°	120.5	120.5	119.6	117.7	116.8	114.1	110.4	106.8	105.0	103.1	98.6
10°	136.9	136.9	135.1	134.2	132.4	128.7	125.1	119.6	116.8	114.1	107.7
12.5°	156.1	154.3	154.3	151.5	148.8	146.0	141.5	135.1	132.4	128.7	120.5
15°	176.2	176.2	176.2	173.4	169.8	165.2	161.6	155.2	153.3	147.9	138.7
17.5°	199.9	201.7	199.0	195.3	193.5	188.9	184.4	179.8	175.3	169.8	157.9
20°	229.1	228.2	225.5	221.8	219.1	214.5	211.8	203.6	199.9	194.4	177.1
22.5°	257.4	258.3	255.6	250.1	246.5	243.7	239.2	232.8	227.3	220.9	201.7
25°	294.8	293.9	287.5	279.3	275.7	272.0	269.3	262.9	259.2	253.8	229.1
27.5°	332.3	328.6	324.0	316.7	307.6	301.2	299.4	296.7	293.9	284.8	257.4
30°	371.5	367.9	362.4	350.5	337.7	330.4	330.4	334.1	327.7	320.4	289.4
32.5°	413.5	408.9	401.6	387.0	369.7	361.5	365.1	371.5	370.6	359.6	321.3
35°	455.5	454.6	443.6	425.4	403.5	393.4	398.9	411.7	411.7	403.5	356.0
37.5°	496.6	497.5	487.4	464.6	436.3	425.4	433.6	454.6	454.6	448.2	389.8
40°	548.6	546.8	528.5	502.0	471.0	457.3	473.7	501.1	505.7	493.8	427.2
42.5°	593.3	589.7	575.1	542.2	504.8	488.3	511.2	548.6	557.7	544.0	465.5
45°	639.0	634.4	617.0	580.5	538.5	519.4	551.3	601.5	613.4	600.6	505.7
47.5°	681.9	677.3	661.8	618.0	574.1	556.8	592.4	655.4	670.0	659.0	544.9
50°	721.1	720.2	701.0	655.4	605.2	588.7	635.3	712.0	731.1	714.7	585.1
52.5°	754.9	751.2	733.0	689.2	636.2	623.4	679.1	771.3	792.3	775.9	625.3
55°	775.9	774.0	757.6	714.7	664.5	655.4	722.9	825.2	850.7	836.1	662.7
57.5°	785.9	783.2	769.5	731.1	685.5	684.6	763.1	880.8	910.1	890.9	701.0
60°	775.9	774.0	764.9	735.7	699.2	707.4	805.1	932.0	963.0	942.0	731.1
62.5°	742.1	742.1	741.2	723.8	701.9	726.6	837.9	975.8	1006.8	981.2	753.1
65°	689.2	691.9	697.4	693.7	690.1	733.0	859.8	1008.6	1036.9	1006.8	764.9
67.5°	614.3	614.3	635.3	643.5	660.9	723.8	869.9	1023.2	1048.8	1014.1	760.4
70°	531.2	531.2	555.0	578.7	617.0	700.1	858.9	1015.0	1035.1	996.8	740.3
72.5°	444.5	445.4	473.7	506.6	559.5	659.0	829.7	979.4	997.7	952.0	700.1
75°	359.6	366.9	390.7	433.6	494.7	604.3	775.0	917.4	928.3	884.5	643.5
77.5°	284.8	293.9	322.2	364.2	428.1	534.9	701.0	834.3	836.1	794.1	575.1
80°	225.5	231.8	261.1	300.3	362.4	464.6	613.4	731.1	729.3	688.2	492.9
82.5°	178.0	182.6	205.4	243.7	303.0	398.0	526.7	613.4	619.8	579.6	413.5
85°	136.9	142.4	163.4	197.2	250.1	331.3	435.4	502.9	505.7	470.1	340.5
87.5°	105.0	110.4	129.6	161.6	206.3	272.0	355.1	408.0	403.5	375.2	269.3
90°	81.2	84.0	103.1	129.6	168.9	224.5	285.7	320.4	320.4	293.0	215.4
92.5°	64.8	65.7	83.1	106.8	139.7	182.6	230.0	251.9	245.5	230.0	169.8
95°	51.1	52.9	66.6	87.6	115.0	149.7	181.6	197.2	191.7	177.1	133.3
97.5°	41.1	42.9	54.8	73.0	95.8	122.3	146.0	153.3	150.6	140.6	105.9
100°	33.8	34.7	44.7	62.1	80.3	101.3	116.8	121.4	115.9	109.5	83.1
102.5°	28.3	29.2	38.3	52.0	68.5	83.1	94.9	96.8	92.2	84.9	66.6
105°	23.7	24.6	31.9	44.7	57.5	70.3	77.6	76.7	72.1	66.6	53.9
107.5°	21.0	21.0	27.4	38.3	50.2	58.4	63.9	62.1	57.5	52.0	43.8
110°	18.3	18.3	22.8	32.9	42.9	50.2	52.9	50.2	45.6	42.0	35.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.4	16.4	20.1	28.3	36.5	42.9	43.8	40.2	37.4	34.7	29.2
115°	14.6	15.5	17.3	23.7	31.0	36.5	36.5	33.8	31.0	28.3	25.6
117.5°	13.7	13.7	15.5	21.0	27.4	31.0	31.0	28.3	25.6	23.7	21.9
120°	12.8	12.8	14.6	18.3	23.7	26.5	26.5	23.7	21.9	20.1	19.2
122.5°	11.9	11.9	12.8	15.5	20.1	22.8	22.8	20.1	18.3	17.3	16.4
125°	11.0	11.0	11.9	13.7	17.3	19.2	19.2	16.4	15.5	14.6	14.6
127.5°	10.0	10.0	11.0	11.9	14.6	16.4	15.5	13.7	12.8	12.8	12.8
130°	9.1	9.1	10.0	11.0	12.8	13.7	12.8	11.9	11.0	11.0	11.0
132.5°	9.1	9.1	9.1	9.1	10.0	11.0	11.0	10.0	9.1	10.0	10.0
135°	8.2	8.2	8.2	8.2	8.2	9.1	8.2	8.2	8.2	8.2	8.2
137.5°	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4	6.4	7.3	7.3
140°	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.4
142.5°	5.5	5.5	5.5	4.6	4.6	3.7	3.7	3.7	4.6	4.6	5.5
145°	4.6	4.6	4.6	3.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	2.7	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	87.6	86.7	85.8	84.0	83.1	83.1	83.1	82.2	82.2	81.2	81.2
5°	90.4	89.5	85.8	83.1	81.2	79.4	77.6	76.7	75.8	74.8	74.8
7.5°	95.8	94.0	89.5	84.9	81.2	77.6	74.8	73.0	72.1	71.2	71.2
10°	104.1	101.3	94.0	87.6	82.2	77.6	73.9	72.1	70.3	69.4	69.4
12.5°	115.9	112.3	102.2	93.1	85.8	79.4	75.8	73.0	71.2	70.3	70.3
15°	132.4	126.0	113.2	101.3	91.3	83.1	78.5	76.7	75.8	75.8	75.8
17.5°	149.7	140.6	126.0	110.4	98.6	89.5	84.9	83.1	82.2	82.2	82.2
20°	168.9	158.8	138.7	120.5	105.9	97.7	92.2	90.4	89.5	89.5	89.5
22.5°	189.9	178.9	152.4	129.6	115.0	105.9	100.4	97.7	98.6	98.6	98.6
25°	213.6	198.1	167.0	140.6	123.2	114.1	108.6	105.9	107.7	108.6	108.6
27.5°	240.1	219.1	180.7	150.6	132.4	121.4	116.8	115.0	117.7	118.7	119.6
30°	265.6	241.9	194.4	161.6	139.7	128.7	124.1	125.1	126.9	128.7	130.5
32.5°	293.9	262.9	209.0	170.7	147.0	134.2	131.4	134.2	137.8	139.7	140.6
35°	321.3	284.8	220.0	178.9	152.4	139.7	137.8	142.4	147.0	150.6	150.6
37.5°	348.7	304.9	231.8	185.3	157.0	143.3	143.3	149.7	155.2	159.7	159.7
40°	377.0	326.8	241.9	190.8	160.7	147.0	147.9	156.1	163.4	166.1	167.0
42.5°	406.2	345.0	250.1	194.4	162.5	149.7	151.5	161.6	168.9	171.6	172.5
45°	434.5	364.2	256.5	196.2	164.3	150.6	153.3	165.2	172.5	175.3	175.3
47.5°	461.0	380.6	261.1	197.2	164.3	150.6	155.2	167.0	175.3	176.2	176.2
50°	489.3	397.1	264.7	197.2	163.4	150.6	155.2	168.0	175.3	175.3	175.3
52.5°	516.6	411.7	266.5	195.3	161.6	149.7	154.3	167.0	174.3	172.5	172.5
55°	542.2	423.5	265.6	192.6	158.8	147.0	152.4	165.2	171.6	168.9	168.9
57.5°	563.2	433.6	263.8	188.9	156.1	144.2	149.7	162.5	168.0	164.3	163.4
60°	581.4	440.0	260.1	184.4	151.5	140.6	147.0	158.8	163.4	158.8	157.9
62.5°	591.5	442.7	254.7	178.0	147.9	136.9	142.4	154.3	157.9	152.4	152.4
65°	595.1	439.1	246.5	171.6	142.4	133.3	137.8	148.8	151.5	147.0	146.0
67.5°	586.0	429.0	236.4	165.2	136.9	127.8	132.4	142.4	145.1	140.6	139.7
70°	566.8	409.8	223.6	156.1	130.5	122.3	126.0	134.2	137.8	134.2	133.3
72.5°	531.2	386.1	209.0	147.0	123.2	115.9	119.6	126.9	130.5	126.9	126.0
75°	489.3	355.1	192.6	136.9	115.9	109.5	112.3	117.7	121.4	119.6	117.7
77.5°	433.6	317.7	175.3	126.9	108.6	102.2	104.1	109.5	112.3	110.4	110.4
80°	375.2	276.6	157.9	115.9	101.3	95.8	95.8	100.4	103.1	102.2	100.4
82.5°	318.6	236.4	139.7	105.0	92.2	87.6	88.5	90.4	94.0	92.2	91.3
85°	262.0	200.8	122.3	94.9	84.0	80.3	80.3	81.2	84.0	83.1	82.2
87.5°	214.5	165.2	106.8	84.0	75.8	73.0	71.2	73.0	73.0	73.0	71.2
90°	174.3	136.9	92.2	74.8	69.4	65.7	63.9	63.9	63.9	63.0	62.1
92.5°	138.7	113.2	80.3	66.6	62.1	59.3	57.5	56.6	55.7	53.9	53.9
95°	114.1	93.1	69.4	58.4	55.7	52.9	51.1	50.2	48.4	46.6	45.6
97.5°	90.4	77.6	59.3	52.0	49.3	47.5	45.6	43.8	41.1	39.2	38.3
100°	72.1	63.0	51.1	45.6	43.8	42.0	40.2	38.3	35.6	32.9	31.9
102.5°	59.3	52.9	43.8	41.1	39.2	37.4	36.5	33.8	30.1	27.4	27.4
105°	48.4	43.8	38.3	35.6	34.7	33.8	31.9	29.2	25.6	22.8	22.8
107.5°	40.2	37.4	32.9	31.9	31.0	30.1	28.3	25.6	21.9	19.2	19.2
110°	33.8	31.0	28.3	27.4	27.4	26.5	25.6	21.9	19.2	16.4	16.4

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 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	26.5	25.6	24.6	24.6	23.7	22.8	19.2	16.4	14.6	14.6
115°	23.7	22.8	21.9	21.9	21.9	21.0	20.1	17.3	13.7	12.8	12.8
117.5°	21.0	20.1	19.2	19.2	19.2	19.2	17.3	14.6	11.9	11.0	11.0
120°	18.3	18.3	17.3	17.3	17.3	16.4	15.5	12.8	10.0	10.0	10.0
122.5°	16.4	15.5	15.5	15.5	15.5	14.6	12.8	11.0	9.1	9.1	9.1
125°	14.6	13.7	13.7	13.7	13.7	12.8	11.0	9.1	8.2	8.2	8.2
127.5°	12.8	12.8	11.9	11.9	11.9	11.0	10.0	8.2	7.3	7.3	7.3
130°	11.0	11.0	11.0	11.0	10.0	9.1	8.2	7.3	6.4	6.4	6.4
132.5°	10.0	10.0	9.1	9.1	9.1	8.2	7.3	6.4	5.5	6.4	6.4
135°	8.2	8.2	8.2	8.2	7.3	6.4	6.4	5.5	5.5	5.5	5.5
137.5°	7.3	7.3	7.3	6.4	6.4	5.5	5.5	4.6	4.6	4.6	5.5
140°	6.4	6.4	5.5	5.5	4.6	4.6	4.6	3.7	4.6	4.6	4.6
142.5°	5.5	5.5	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	2.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)