

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: P414219

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2371 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - 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

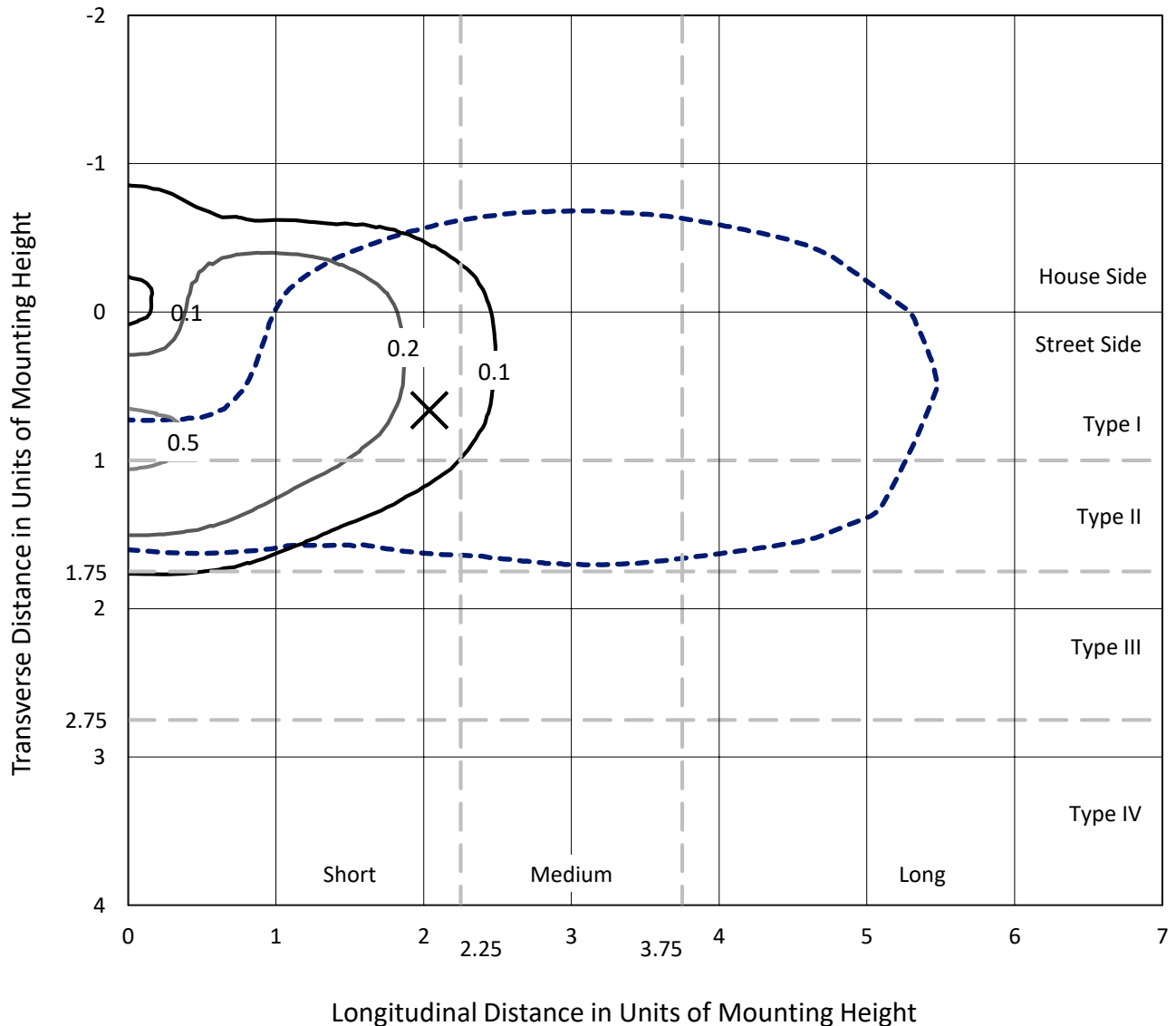


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

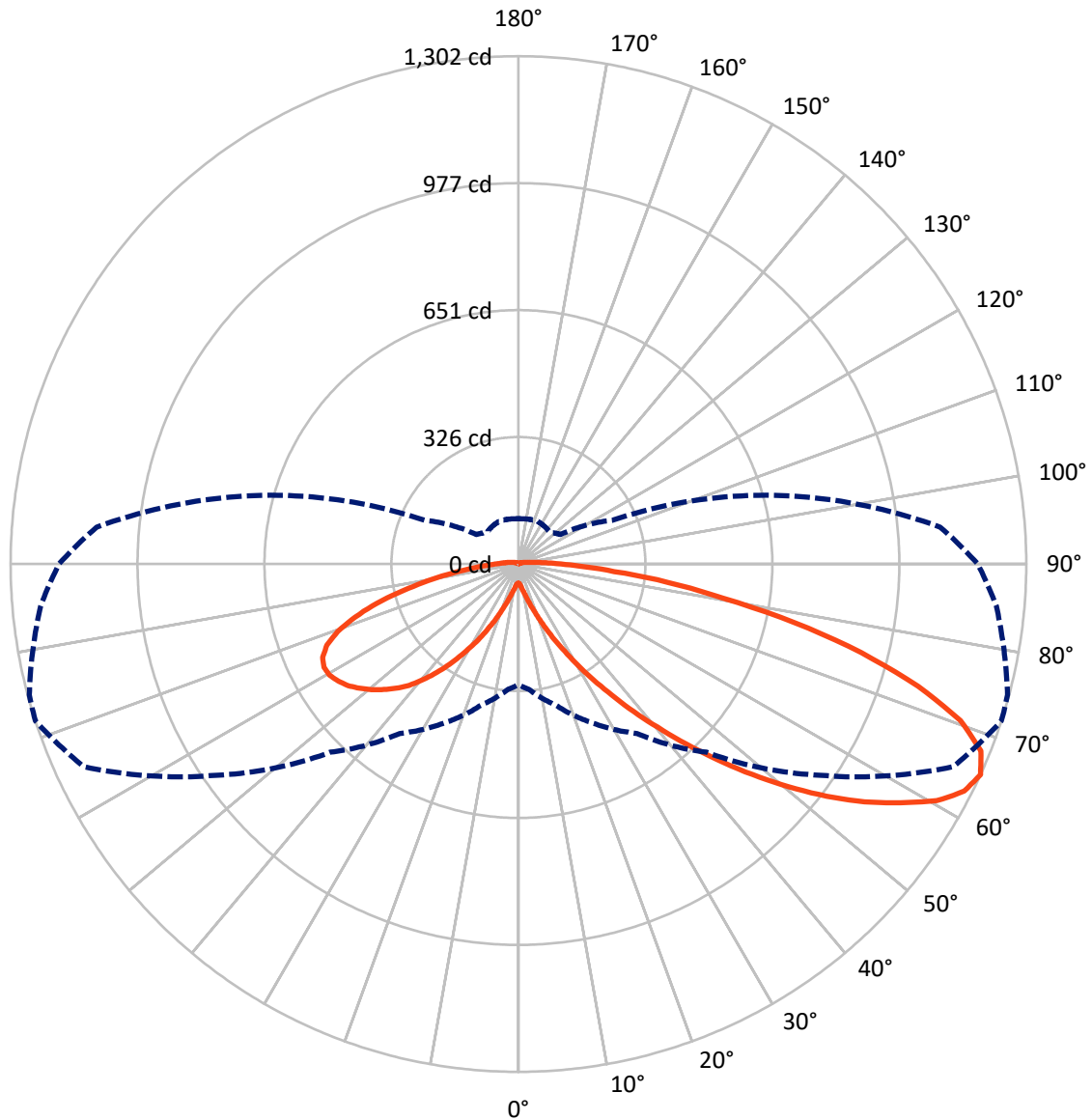


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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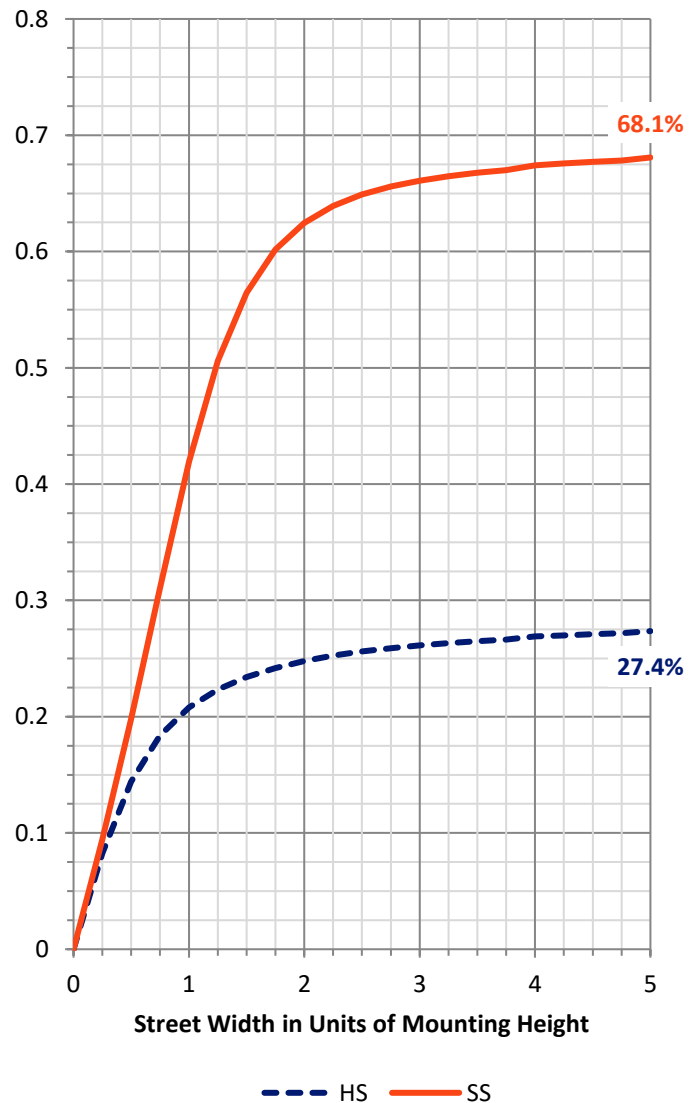
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	668.5	33.6	702.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1636.1	32.8	1668.9
	% Fixture	69.0	1.4	70.4
Total	Lumens	2304.6	66.4	2371.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	28.7	1.2
20°-30°	90.9	3.8
30°-40°	217.7	9.2
40°-50°	402.0	17.0
50°-60°	547.7	23.1
60°-70°	534.0	22.5
70°-80°	348.8	14.7
80°-90°	129.2	5.4
90°-100°	35.9	1.5
100°-110°	15.0	0.6
110°-120°	7.6	0.3
120°-130°	4.3	0.2
130°-140°	2.4	0.1
140°-150°	1.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2304.6	97.2
0°-180°	2371.0	100.0



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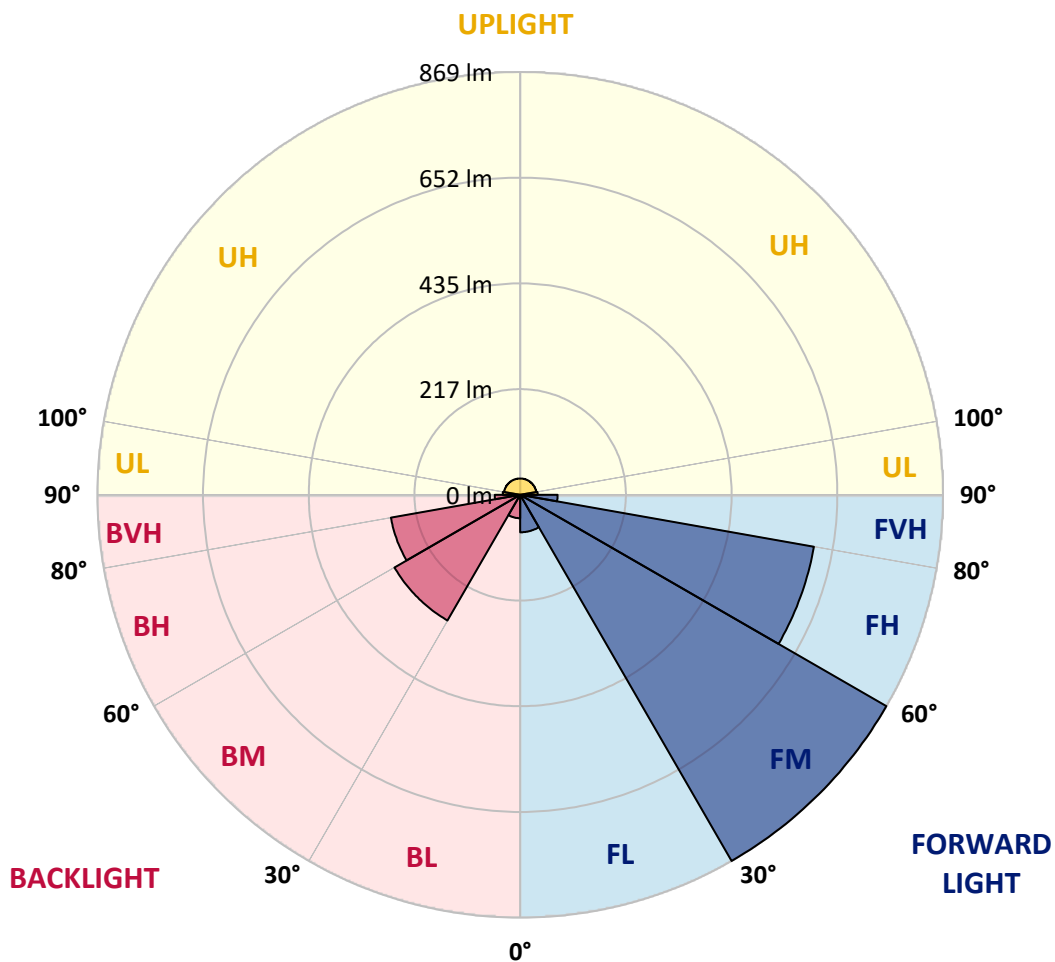
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.0	3.2			
FM	(30°-60°)	869.1	36.7			
FH	(60°-80°)	613.1	25.9			G0/660
FVH	(80°-90°)	76.9	3.2			G1/100
BL	(0°-30°)	48.1	2.0	B0/110		
BM	(30°-60°)	298.3	12.6	B1/1000		
BH	(60°-80°)	269.7	11.4	B1/500		G1/500
BVH	(80°-90°)	52.3	2.2			G1/100
UL	(90°-100°)	35.9	1.5		U2/50	
UH	(100°-180°)	33.6	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	54.6	54.3	53.8	53.5	53.5	53.0	52.4	51.6	51.0	50.8	50.2
5°	61.7	61.2	60.6	60.1	59.5	58.7	57.4	56.5	55.4	55.2	54.1
7.5°	71.9	71.3	69.7	69.2	68.3	67.2	65.6	63.9	62.8	62.0	60.4
10°	85.3	84.8	83.7	82.3	80.7	78.5	75.7	74.1	71.3	71.9	69.4
12.5°	103.7	102.4	101.0	98.8	95.5	93.0	89.2	87.5	84.5	84.5	81.5
15°	126.0	125.7	122.9	118.3	115.3	110.0	106.7	103.2	101.3	101.3	98.8
17.5°	154.8	152.9	150.7	144.3	137.5	131.2	126.8	124.3	122.1	121.6	118.3
20°	190.4	187.7	184.4	173.2	164.9	157.2	150.9	149.0	147.4	147.1	144.3
22.5°	235.7	230.0	223.9	213.0	199.8	186.3	181.9	177.6	177.8	178.4	172.1
25°	285.9	284.3	273.6	258.0	240.7	225.8	213.8	212.1	213.8	212.7	210.2
27.5°	350.4	344.9	331.5	311.5	284.0	266.7	253.8	252.7	253.0	254.4	250.3
30°	425.6	422.9	405.9	372.4	337.0	313.9	299.9	298.0	301.3	301.6	295.3
32.5°	514.3	508.8	482.7	445.4	397.1	367.7	351.8	351.3	354.8	355.6	350.7
35°	604.0	601.3	575.5	521.9	469.0	424.5	408.3	409.4	411.9	416.8	411.1
37.5°	707.5	700.0	666.8	610.3	543.4	490.1	472.8	476.7	480.5	480.5	472.6
40°	805.2	802.4	767.6	696.5	616.3	567.0	548.0	550.2	549.9	550.2	539.8
42.5°	895.7	886.4	855.6	780.2	697.6	647.4	624.6	628.2	631.4	633.9	607.6
45°	956.9	948.9	921.8	847.4	774.4	726.9	712.1	712.1	716.0	714.9	688.8
47.5°	978.6	977.5	957.2	900.7	833.7	796.9	797.7	800.8	806.5	801.3	764.0
50°	968.4	964.0	960.5	928.9	882.8	865.3	881.7	897.1	897.6	888.3	840.8
52.5°	904.8	905.3	923.4	917.7	896.5	914.4	964.6	991.8	989.3	980.2	923.2
55°	807.9	812.3	843.8	868.0	880.9	930.3	1026.1	1082.3	1076.8	1064.2	1006.3
57.5°	678.9	693.2	735.4	788.1	834.2	915.5	1059.5	1160.8	1155.0	1155.0	1089.2
60°	541.7	553.2	615.5	679.7	752.5	865.5	1062.8	1218.4	1232.4	1223.6	1147.9
62.5°	420.1	425.1	489.6	570.5	648.5	781.6	1025.0	1245.9	1282.9	1275.5	1200.6
65°	309.3	323.3	375.4	449.5	530.2	682.5	944.0	1229.7	1302.1	1298.3	1229.7
67.5°	230.0	236.3	279.9	348.5	428.4	559.3	826.0	1158.9	1279.1	1282.4	1225.3
70°	172.3	174.0	208.0	264.5	332.6	441.3	688.5	1045.8	1202.5	1217.3	1186.0
72.5°	130.4	133.4	161.6	206.1	256.6	339.7	544.2	892.1	1071.9	1108.7	1096.9
75°	102.1	105.7	125.1	159.4	198.4	257.1	411.9	710.5	908.1	955.5	968.7
77.5°	80.7	84.5	101.0	127.3	154.8	198.4	302.7	531.6	725.3	772.8	811.2
80°	63.4	66.1	80.7	100.2	121.8	146.5	212.1	386.4	532.7	591.9	627.1
82.5°	48.3	51.3	62.6	79.0	95.5	112.0	151.5	262.9	386.4	413.3	473.1
85°	35.1	37.9	47.2	60.6	73.5	86.7	110.9	175.4	246.2	278.3	308.4
87.5°	25.8	26.9	35.1	45.0	56.5	65.6	79.9	112.0	156.4	172.3	197.6
90°	18.1	19.2	25.8	33.2	42.8	51.3	58.7	74.1	97.4	111.7	116.4
92.5°	13.4	14.3	19.2	25.0	32.9	39.8	44.5	52.4	63.4	69.4	73.3
95°	10.2	11.0	15.1	19.8	25.5	31.3	34.9	37.9	44.2	45.8	49.1
97.5°	8.2	8.8	12.3	16.2	20.6	25.8	27.7	29.4	31.6	33.2	34.6
100°	7.1	7.4	10.4	13.7	17.6	20.9	22.5	23.3	24.7	25.2	25.8
102.5°	6.3	6.3	9.1	11.8	15.1	17.6	18.9	18.9	19.2	19.5	19.2
105°	5.5	5.8	8.0	10.4	12.9	15.1	16.2	15.6	15.4	15.1	14.3
107.5°	5.2	5.2	7.1	9.3	11.5	13.2	14.0	12.9	12.3	11.8	11.0
110°	4.7	4.9	6.3	8.2	10.2	11.5	12.1	11.0	9.9	9.3	8.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.4	4.7	5.8	7.4	9.1	10.4	10.4	9.3	8.0	7.4	6.9
115°	4.4	4.4	5.2	6.6	8.2	9.3	9.3	8.0	6.6	6.0	5.8
117.5°	4.4	4.4	4.9	6.0	7.4	8.2	8.2	6.9	5.5	4.9	4.9
120°	4.1	4.1	4.7	5.5	6.9	7.4	7.1	6.0	4.7	4.4	4.4
122.5°	4.1	4.1	4.4	5.2	6.3	6.9	6.6	5.2	4.1	3.6	3.8
125°	4.4	4.1	4.4	4.9	5.8	6.0	5.8	4.4	3.6	3.3	3.6
127.5°	4.4	4.4	4.1	4.7	5.2	5.5	5.2	3.8	3.0	3.0	3.3
130°	4.4	4.4	4.1	4.4	4.7	4.9	4.4	3.3	2.7	2.7	3.0
132.5°	4.4	4.4	4.1	4.1	4.4	4.4	3.8	2.7	2.5	2.5	2.7
135°	4.4	4.4	3.8	3.8	3.8	3.8	3.3	2.5	2.2	2.2	2.5
137.5°	4.1	4.1	3.8	3.6	3.6	3.3	2.7	1.9	1.6	1.9	2.2
140°	3.8	3.8	3.6	3.0	3.0	2.7	2.2	1.6	1.4	1.6	1.6
142.5°	3.6	3.6	3.3	2.7	2.5	2.2	1.9	1.1	1.1	1.1	1.4
145°	3.3	3.3	3.0	2.2	1.9	1.6	1.4	0.8	0.8	0.8	1.1
147.5°	2.7	2.7	2.5	1.9	1.4	1.4	0.8	0.5	0.8	0.8	0.8
150°	2.2	2.2	1.9	1.4	1.1	0.8	0.3	0.5	0.5	0.5	0.8
152.5°	1.9	1.9	1.4	1.1	0.5	0.3	0.3	0.3	0.5	0.5	0.5
155°	1.4	1.4	1.1	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	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°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	49.7	49.7	49.4	49.1	48.8	48.6	48.0	47.7	47.7	47.5	47.5
5°	53.5	53.2	52.4	51.6	50.5	49.9	49.1	48.6	48.3	48.0	48.0
7.5°	59.5	59.0	57.4	56.0	54.6	53.5	52.1	51.3	51.0	50.2	50.5
10°	68.1	67.2	65.3	62.8	60.4	58.7	56.8	55.7	55.2	54.6	54.1
12.5°	80.4	78.8	75.5	72.2	68.6	65.3	63.4	62.6	63.1	62.8	63.1
15°	97.4	94.4	89.5	84.5	78.2	74.1	73.5	73.3	73.3	73.5	74.1
17.5°	116.6	113.3	107.0	98.0	90.6	86.4	84.0	83.7	85.1	85.3	85.1
20°	141.9	138.6	128.7	116.4	105.7	99.1	95.8	95.8	97.7	98.2	99.3
22.5°	169.0	167.1	153.7	136.7	122.4	111.7	107.0	107.6	110.3	111.1	111.7
25°	206.9	199.2	182.8	159.4	138.9	124.6	118.3	118.5	121.6	123.8	124.6
27.5°	248.6	239.8	215.7	185.2	155.3	135.3	128.2	128.4	132.0	134.7	135.3
30°	293.4	284.6	253.0	210.8	170.7	144.9	135.3	135.6	139.7	142.7	143.2
32.5°	341.1	334.0	289.8	238.2	184.1	151.5	140.0	140.2	143.8	146.5	147.1
35°	401.5	385.3	333.4	262.6	195.4	155.6	142.2	141.9	145.4	148.2	148.7
37.5°	461.0	443.7	374.9	285.4	202.0	156.7	141.6	141.6	144.3	146.5	146.8
40°	525.8	497.0	418.5	303.2	204.4	155.0	140.0	139.7	141.9	143.0	143.2
42.5°	595.5	560.1	461.3	317.5	203.3	151.5	136.9	137.2	138.0	138.0	137.8
45°	658.3	622.4	498.1	326.8	199.5	146.8	133.4	133.6	133.9	131.7	131.7
47.5°	732.2	688.5	532.7	329.0	191.8	142.2	130.6	131.2	129.8	126.8	126.2
50°	802.1	753.6	567.5	328.2	183.9	137.2	127.9	128.4	126.0	121.8	121.0
52.5°	880.1	817.8	600.4	324.1	174.3	132.8	126.0	126.5	123.8	118.8	118.0
55°	956.9	885.8	630.6	317.0	166.0	128.2	124.0	125.4	121.8	116.9	116.6
57.5°	1030.2	953.3	655.6	306.5	157.2	124.9	122.7	124.3	121.0	116.1	115.8
60°	1095.5	1010.7	675.6	296.4	147.6	121.6	121.3	123.5	120.5	116.4	116.1
62.5°	1141.3	1062.3	684.7	282.7	140.0	118.0	119.6	121.8	119.6	116.4	116.4
65°	1177.8	1085.3	681.1	264.5	131.7	114.2	117.5	119.6	118.3	116.1	116.4
67.5°	1171.0	1084.8	657.8	242.9	124.0	110.0	113.6	116.6	115.5	114.7	114.4
70°	1128.7	1033.5	613.1	219.3	116.1	104.8	108.9	112.0	111.7	111.4	111.4
72.5°	1041.7	944.6	546.1	192.1	107.8	99.3	102.9	105.7	106.2	105.9	105.1
75°	928.1	822.2	468.4	166.6	99.3	92.8	96.6	98.2	99.1	98.5	98.5
77.5°	761.5	685.5	372.4	140.8	90.3	85.3	88.1	89.5	90.6	89.2	88.4
80°	605.1	521.4	286.5	115.0	80.4	77.1	78.5	79.0	80.1	78.8	77.1
82.5°	424.8	371.6	207.7	93.9	70.5	67.8	68.6	68.3	68.9	67.0	64.8
85°	283.8	249.7	143.0	75.5	60.4	57.9	57.9	57.1	56.5	54.6	53.0
87.5°	178.1	158.1	98.2	59.5	50.8	48.8	47.7	46.1	45.6	44.2	42.3
90°	109.8	101.0	68.6	47.7	42.3	40.6	39.5	37.0	36.8	34.6	33.2
92.5°	71.9	65.9	50.8	38.7	35.4	33.8	32.4	30.2	29.9	28.3	27.4
95°	47.5	46.1	38.7	32.4	29.9	28.5	27.2	25.2	24.7	23.1	22.0
97.5°	34.9	34.9	31.8	27.4	25.5	24.1	23.3	21.7	20.6	18.9	18.4
100°	26.3	26.6	25.5	23.6	22.0	20.6	19.8	18.4	17.6	15.9	15.6
102.5°	20.3	20.9	21.1	20.0	18.9	17.8	17.0	15.9	14.8	13.2	12.9
105°	15.6	16.2	17.3	17.0	16.5	15.6	14.8	13.7	12.3	11.0	11.0
107.5°	12.1	12.6	14.3	14.5	14.3	13.4	12.9	11.8	10.7	9.3	9.3
110°	9.3	10.2	11.8	12.3	12.3	11.8	11.3	10.2	8.8	8.0	8.0



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.7	8.5	9.9	10.7	10.7	10.4	9.6	8.5	7.4	6.9	6.9
115°	6.3	7.1	8.5	9.3	9.3	9.1	8.5	7.4	6.3	6.0	6.0
117.5°	5.5	6.0	7.1	8.0	8.2	8.0	7.4	6.3	5.5	5.5	5.5
120°	4.9	5.5	6.3	6.9	7.1	6.9	6.3	5.5	4.7	4.9	4.9
122.5°	4.4	4.7	5.5	6.3	6.3	6.3	5.8	4.7	4.1	4.4	4.4
125°	3.8	4.4	4.9	5.5	5.8	5.5	4.9	4.1	3.6	3.8	4.1
127.5°	3.6	3.8	4.4	4.9	4.9	4.9	4.4	3.6	3.3	3.6	3.6
130°	3.3	3.6	3.8	4.4	4.4	4.4	3.8	3.0	3.0	3.3	3.3
132.5°	3.0	3.3	3.6	3.8	3.8	3.8	3.3	2.7	2.5	3.0	3.0
135°	2.7	2.7	3.0	3.3	3.3	3.3	2.7	2.2	2.2	2.7	2.7
137.5°	2.2	2.5	2.7	2.7	2.7	2.7	2.2	1.9	1.9	2.2	2.2
140°	1.9	1.9	2.2	2.2	2.2	2.2	1.9	1.4	1.6	1.9	1.9
142.5°	1.6	1.6	1.9	1.9	1.9	1.6	1.4	1.1	1.4	1.6	1.6
145°	1.1	1.4	1.4	1.4	1.4	1.1	0.8	0.8	1.1	1.4	1.4
147.5°	1.1	1.1	1.1	1.1	1.1	0.8	0.5	0.5	0.8	1.1	1.1
150°	0.8	0.8	1.1	1.1	0.8	0.5	0.3	0.3	0.5	0.8	0.8
152.5°	0.5	0.5	0.8	0.8	0.5	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.5	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.3	0.3	0.3	0.3	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)