

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: P414158

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2128 lumens
Efficiency: N/A
Efficacy: 101.3 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

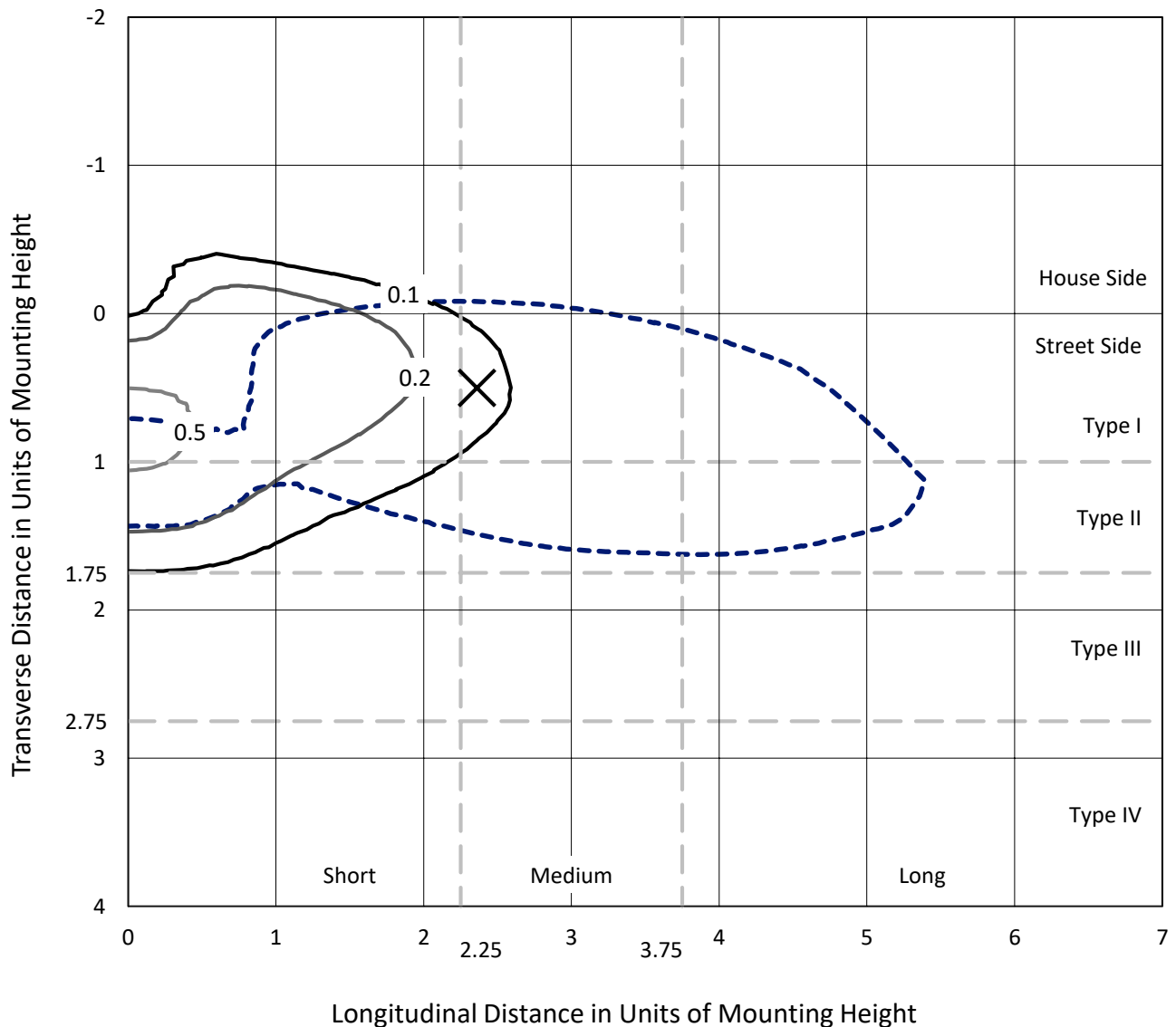
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

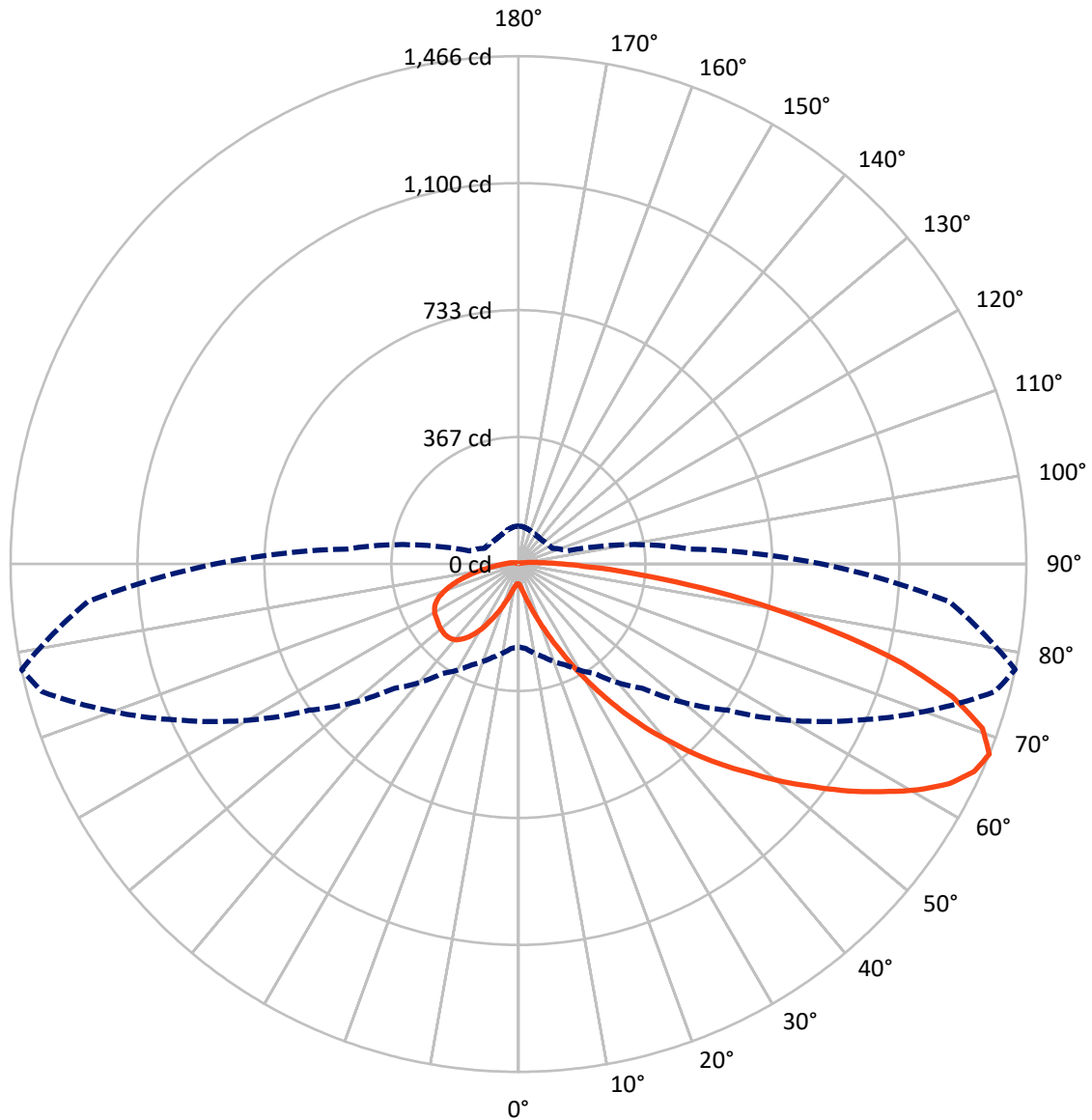


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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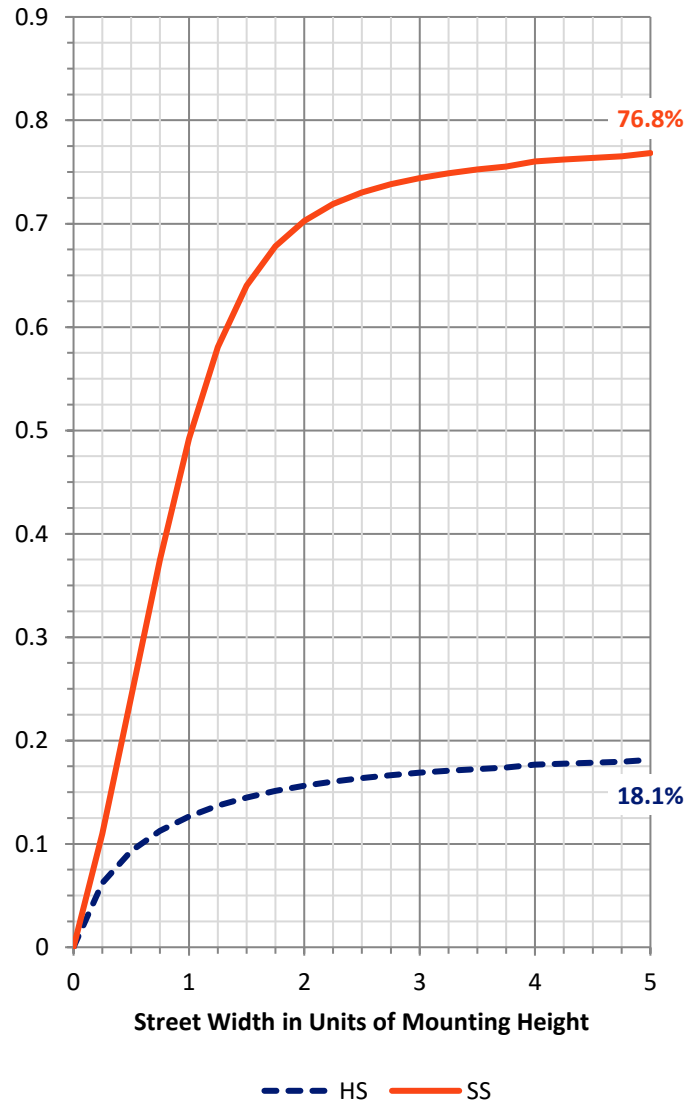
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	404.4	32.8	437.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	1657.5	33.3	1690.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	2061.9	66.1	2128.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.3
10°-20°	33.0	1.6
20°-30°	100.7	4.7
30°-40°	225.4	10.6
40°-50°	371.3	17.5
50°-60°	457.0	21.5
60°-70°	443.3	20.8
70°-80°	307.0	14.4
80°-90°	117.5	5.5
90°-100°	33.7	1.6
100°-110°	14.6	0.7
110°-120°	7.9	0.4
120°-130°	4.9	0.2
130°-140°	3.0	0.1
140°-150°	1.5	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2061.9	96.9
0°-180°	2128.0	100.0



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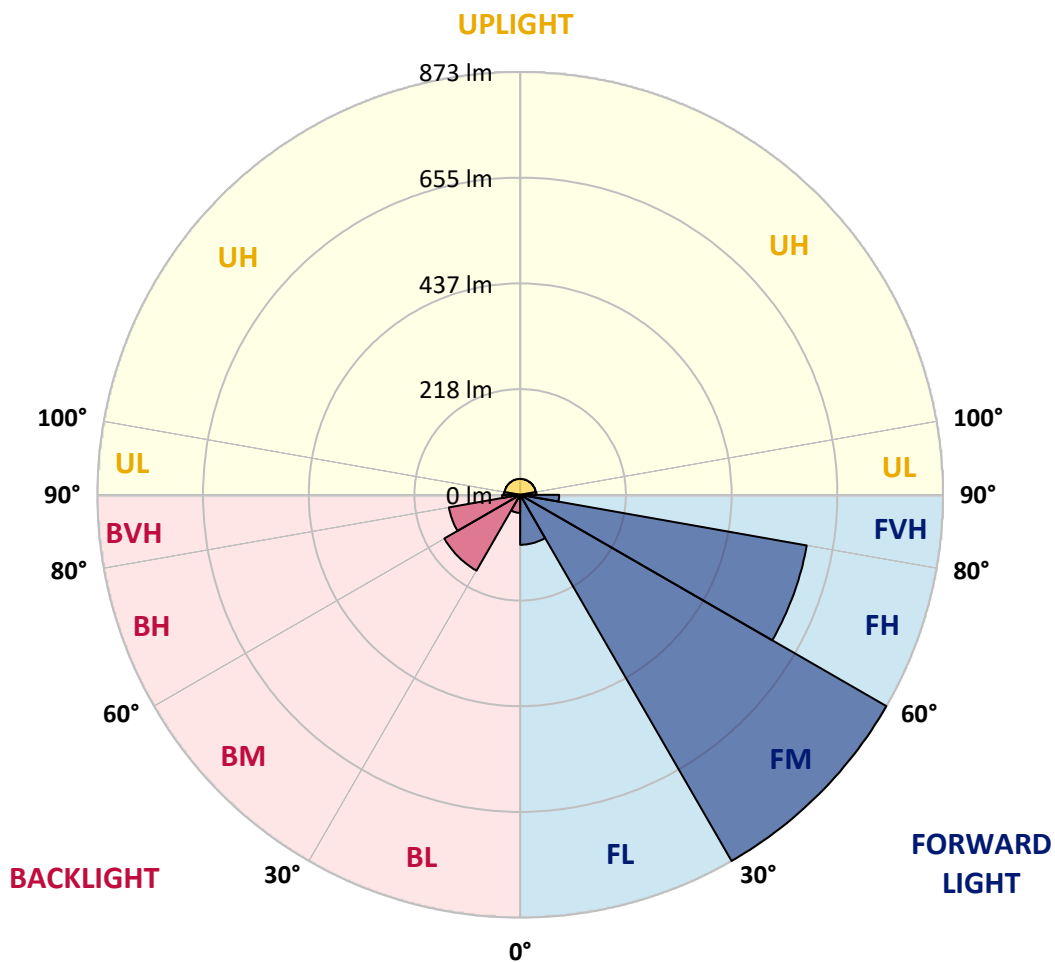
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.1	4.8			
FM (30°-60°)	873.1	41.0			
FH (60°-80°)	600.8	28.2			G0/660
FVH (80°-90°)	80.4	3.8			G1/100
BL (0°-30°)	37.2	1.7	B0/110		
BM (30°-60°)	180.6	8.5	B0/220		
BH (60°-80°)	149.4	7.0	B1/500		G1/500
BVH (80°-90°)	37.1	1.7			G1/100
UL (90°-100°)	33.7	1.6		U2/50	
UH (100°-180°)	32.8	1.5		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°	78°	85°
0°	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2.5°	69.1	68.6	68.6	68.3	67.3	66.3	64.8	63.0	61.5	60.5	59.5
5°	83.9	82.2	82.7	81.2	79.4	77.4	74.6	70.8	67.3	66.5	63.8
7.5°	101.8	99.6	100.3	98.5	95.3	91.0	87.2	81.7	76.4	74.6	70.6
10°	124.5	122.2	121.0	118.5	114.7	109.1	103.3	96.0	88.7	86.2	81.2
12.5°	151.5	149.7	147.9	144.4	138.4	131.3	124.0	115.9	106.4	103.1	95.3
15°	185.0	183.5	179.7	174.9	166.1	158.3	147.2	139.9	128.0	124.0	114.4
17.5°	222.5	219.5	215.7	208.7	198.6	188.8	179.4	167.1	154.2	151.0	139.1
20°	268.9	267.9	260.6	248.8	237.7	224.3	215.2	203.1	188.8	184.2	168.6
22.5°	323.9	321.8	313.3	295.4	278.7	261.6	254.3	241.7	231.4	225.1	204.6
25°	389.9	386.1	372.0	350.6	326.9	306.5	294.4	289.8	281.8	272.2	247.2
27.5°	460.2	460.5	441.1	409.3	376.3	351.8	342.5	344.3	334.4	329.2	298.7
30°	547.2	540.9	515.4	476.3	431.7	400.2	394.7	403.5	400.7	390.4	354.4
32.5°	634.1	631.8	600.3	546.9	488.4	453.9	449.9	469.0	468.3	457.9	412.1
35°	720.8	718.3	679.2	617.0	547.7	508.1	504.6	529.8	538.8	528.5	477.1
37.5°	808.0	802.2	762.9	687.3	603.9	557.7	559.3	591.0	612.2	602.9	539.9
40°	884.9	883.9	838.0	752.1	658.1	608.2	618.2	660.1	686.0	673.2	603.6
42.5°	943.9	939.6	899.0	805.7	706.7	655.3	672.7	728.1	761.4	752.6	666.4
45°	971.1	968.6	936.0	846.3	744.5	696.1	723.6	791.1	836.5	826.9	730.9
47.5°	963.8	961.5	943.9	866.2	769.5	731.1	768.4	852.4	915.4	902.5	795.2
50°	919.9	922.2	916.6	860.4	778.3	753.6	811.0	913.6	992.5	986.5	857.2
52.5°	839.8	846.3	855.1	830.2	770.2	763.7	841.8	966.8	1069.1	1068.9	926.0
55°	735.7	740.2	771.0	766.4	739.5	763.4	864.5	1019.2	1155.3	1156.6	997.0
57.5°	625.3	623.0	663.9	687.5	694.6	744.0	875.6	1065.6	1231.4	1240.2	1072.1
60°	504.6	512.9	551.2	599.6	626.0	705.7	871.8	1098.4	1304.8	1324.2	1140.4
62.5°	410.1	406.3	448.4	501.0	554.7	650.7	844.3	1113.7	1374.6	1396.3	1203.5
65°	309.7	317.6	355.6	402.2	466.0	581.4	799.9	1105.7	1417.7	1445.4	1243.0
67.5°	238.9	245.0	277.5	321.3	386.4	507.8	735.9	1068.1	1424.2	1466.3	1248.6
70°	184.7	189.5	212.5	249.8	311.8	426.7	646.0	996.5	1388.4	1421.2	1197.7
72.5°	147.2	149.2	165.3	195.6	246.2	348.1	548.2	884.1	1280.3	1309.6	1093.3
75°	115.7	118.7	131.8	154.5	192.3	278.2	448.1	747.0	1115.7	1146.0	949.4
77.5°	92.0	95.0	104.8	120.7	149.2	214.5	350.1	608.7	910.8	929.5	756.3
80°	73.1	74.6	82.9	94.8	115.9	165.3	263.6	462.0	689.8	709.2	562.0
82.5°	55.4	56.7	65.0	75.4	90.5	125.3	190.5	324.9	485.9	491.2	381.6
85°	39.8	42.1	48.9	57.5	69.3	93.3	136.6	220.5	310.0	318.1	241.7
87.5°	28.2	29.2	36.0	44.1	52.9	69.1	95.0	145.2	190.8	188.5	146.7
90°	19.2	19.9	26.0	32.5	40.3	51.7	66.3	91.2	117.2	113.4	92.0
92.5°	12.9	14.1	19.2	24.7	31.5	39.8	47.1	59.7	72.6	69.1	58.5
95°	9.6	10.1	14.6	19.7	25.2	30.5	35.0	40.8	46.4	45.4	40.3
97.5°	7.6	8.1	11.8	16.1	20.4	24.7	27.2	29.2	32.3	32.0	29.0
100°	6.6	6.8	10.1	13.9	17.6	20.7	22.2	22.7	23.7	23.2	22.2
102.5°	5.5	6.0	8.8	12.1	15.4	17.6	18.7	18.1	17.9	17.4	16.4
105°	5.0	5.3	7.8	10.8	13.6	15.4	15.6	14.9	13.6	13.4	12.9
107.5°	4.8	5.0	7.1	9.8	12.1	13.6	13.4	12.3	10.8	10.3	10.1
110°	4.5	4.8	6.6	8.8	11.1	12.1	11.8	10.3	8.6	8.1	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	4.5	4.5	6.0	8.1	10.1	10.8	10.3	8.8	7.1	6.8	7.1
115°	4.3	4.5	5.8	7.6	9.1	9.8	9.1	7.6	6.0	5.8	6.0
117.5°	4.3	4.5	5.5	7.1	8.6	8.8	8.1	6.6	5.0	5.0	5.5
120°	4.3	4.5	5.3	6.6	7.8	8.1	7.3	5.8	4.5	4.5	5.0
122.5°	4.5	4.5	5.0	6.3	7.3	7.6	6.6	5.0	4.3	4.3	4.8
125°	4.5	4.5	5.0	5.8	6.8	6.8	6.0	4.5	3.8	3.8	4.5
127.5°	4.5	4.5	5.0	5.5	6.3	6.3	5.5	4.3	3.5	3.5	4.3
130°	4.5	4.8	4.8	5.3	5.8	5.8	5.0	3.8	3.5	3.5	4.0
132.5°	4.8	4.8	4.8	5.0	5.5	5.3	4.3	3.5	3.3	3.3	3.8
135°	4.5	4.5	4.5	4.8	5.0	4.8	3.8	3.0	3.0	3.3	3.5
137.5°	4.5	4.5	4.5	4.3	4.5	4.3	3.5	2.8	2.8	3.0	3.3
140°	4.0	4.3	4.0	4.0	4.0	3.8	3.0	2.3	2.5	2.8	2.8
142.5°	3.8	3.8	3.8	3.5	3.5	3.3	2.5	2.0	2.3	2.3	2.5
145°	3.5	3.5	3.3	3.0	3.0	2.5	2.0	1.8	2.0	2.0	2.3
147.5°	3.0	3.0	3.0	2.5	2.3	2.0	1.3	1.3	1.5	1.8	1.8
150°	2.5	2.5	2.5	2.3	1.8	1.5	1.0	1.3	1.3	1.3	1.5
152.5°	2.0	2.0	2.0	1.8	1.5	1.0	0.8	1.0	1.0	1.0	1.3
155°	1.3	1.3	1.3	1.3	1.0	0.5	0.8	0.8	1.0	1.0	1.0
157.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.5	0.8	0.5	0.5	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°	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2.5°	58.7	58.0	56.7	55.4	54.2	52.9	51.9	51.7	50.9	50.9	50.7
5°	62.3	61.0	57.7	55.2	52.4	50.2	48.4	47.6	46.9	46.4	46.4
7.5°	68.6	65.8	61.0	56.7	52.9	49.7	47.4	46.1	45.1	44.6	44.6
10°	77.1	73.6	66.3	60.0	54.4	50.4	47.9	46.4	45.6	45.1	44.9
12.5°	89.7	84.7	74.1	65.0	58.0	52.9	49.7	48.6	48.9	48.9	48.9
15°	106.9	99.6	85.2	72.8	62.8	56.2	53.9	53.9	54.7	54.9	54.4
17.5°	129.0	119.2	99.0	80.7	68.8	62.0	59.5	59.5	60.7	61.5	61.5
20°	156.3	142.1	113.7	91.0	75.9	68.6	65.5	65.8	67.3	68.3	68.3
22.5°	187.5	170.9	132.3	101.6	83.7	74.3	71.1	71.3	73.8	75.1	75.6
25°	228.1	202.4	151.0	112.4	91.0	79.9	76.6	76.9	80.1	81.9	81.9
27.5°	270.9	237.4	169.9	123.0	97.3	84.9	81.7	82.4	85.9	87.5	88.0
30°	316.6	274.7	188.8	132.1	102.3	88.7	85.4	87.0	90.2	92.5	92.7
32.5°	367.2	311.3	203.9	139.4	106.6	92.0	88.7	91.0	93.8	96.3	96.5
35°	420.1	347.6	217.3	144.4	109.4	94.8	91.2	93.5	96.3	98.5	98.3
37.5°	467.5	377.3	226.1	146.4	110.9	96.3	93.0	95.3	97.8	99.6	99.6
40°	514.1	408.3	230.4	144.9	110.9	97.0	93.8	96.3	98.5	99.6	99.6
42.5°	558.5	431.2	229.6	141.9	110.4	97.3	94.3	96.5	98.5	99.0	99.0
45°	596.8	452.4	225.1	136.9	108.6	97.0	94.5	96.5	98.0	98.0	98.3
47.5°	642.2	469.0	218.5	131.6	106.6	96.5	94.0	96.3	97.5	97.5	97.3
50°	683.0	485.2	209.7	125.8	104.8	96.0	93.8	96.0	97.5	97.0	97.0
52.5°	726.4	499.5	200.6	120.5	103.1	95.8	93.8	96.0	97.5	97.3	97.5
55°	766.4	513.9	189.3	115.7	102.1	95.5	94.0	96.3	98.3	98.3	98.0
57.5°	817.8	521.5	180.5	112.4	101.1	95.5	94.3	96.8	99.3	99.6	99.8
60°	854.1	531.3	173.1	110.4	101.1	96.0	95.0	97.5	100.8	102.1	102.8
62.5°	880.6	530.8	164.3	109.4	101.3	96.5	95.8	98.3	102.6	104.3	105.3
65°	894.5	521.7	155.3	108.6	101.6	97.0	96.3	98.8	103.8	107.1	108.1
67.5°	876.3	497.3	145.9	107.4	101.3	96.8	96.5	99.3	104.6	108.9	109.4
70°	832.2	455.9	134.8	104.6	100.3	96.0	95.8	98.0	103.8	108.9	109.4
72.5°	748.5	403.5	122.0	100.6	98.0	94.3	93.5	95.8	101.3	106.4	106.4
75°	636.6	342.8	109.4	94.8	93.5	91.2	90.5	91.7	96.5	101.3	101.6
77.5°	498.5	273.0	96.0	86.7	88.0	86.2	85.4	86.2	90.5	93.8	94.0
80°	379.3	207.9	83.2	77.1	80.1	79.6	78.9	78.6	81.7	84.2	83.4
82.5°	261.6	147.9	68.8	67.0	70.3	71.1	70.8	69.1	71.3	73.3	72.1
85°	168.9	104.6	57.5	56.7	59.7	61.0	60.7	59.5	60.0	62.3	59.7
87.5°	109.1	75.1	47.4	46.9	49.4	50.9	50.9	48.4	49.4	51.7	48.9
90°	68.3	53.2	39.6	39.3	41.1	41.8	40.8	39.3	39.8	41.1	40.1
92.5°	48.4	40.1	33.0	33.0	33.5	34.0	33.5	31.8	32.8	32.8	32.8
95°	35.3	31.8	28.7	28.2	28.0	27.7	27.5	26.2	27.2	27.0	26.2
97.5°	27.0	25.5	24.4	24.2	23.7	23.4	23.2	22.2	22.9	22.4	21.9
100°	21.2	20.9	20.9	20.9	20.4	19.7	19.7	19.4	19.4	18.7	18.7
102.5°	16.9	16.9	17.9	18.1	17.6	17.1	17.1	16.9	16.6	15.6	15.4
105°	13.4	13.9	15.4	15.6	15.4	14.9	14.6	14.6	14.1	12.9	12.9
107.5°	10.8	11.3	13.1	13.6	13.4	13.1	12.9	12.6	12.1	10.8	10.8
110°	8.8	9.6	11.1	11.8	11.6	11.3	11.3	10.8	10.3	9.3	9.3



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	8.3	9.6	10.3	10.3	10.1	9.8	9.6	8.8	8.1	8.1
115°	6.6	7.3	8.6	9.1	9.1	8.8	8.6	8.3	7.6	7.1	7.3
117.5°	6.0	6.6	7.6	8.1	8.1	7.8	7.6	7.3	6.8	6.6	6.6
120°	5.5	6.0	6.8	7.3	7.3	7.1	6.8	6.6	6.0	6.0	6.0
122.5°	5.0	5.5	6.3	6.6	6.6	6.3	6.0	5.8	5.3	5.5	5.5
125°	4.8	5.0	5.5	6.0	6.0	5.8	5.5	5.0	4.8	5.0	5.0
127.5°	4.5	4.8	5.3	5.5	5.5	5.3	4.8	4.5	4.3	4.5	4.5
130°	4.3	4.5	4.8	5.0	5.0	4.5	4.3	4.0	4.0	4.3	4.3
132.5°	4.0	4.3	4.3	4.5	4.5	4.3	3.8	3.5	3.5	3.8	3.8
135°	3.8	3.8	4.0	4.0	4.0	3.8	3.3	3.0	3.3	3.5	3.5
137.5°	3.3	3.5	3.5	3.8	3.5	3.3	2.8	2.8	3.0	3.0	3.0
140°	3.0	3.0	3.3	3.3	3.0	2.8	2.5	2.3	2.5	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.3	2.0	2.0	2.3	2.3	2.3
145°	2.3	2.3	2.5	2.3	2.3	1.8	1.5	1.8	2.0	2.0	2.0
147.5°	1.8	2.0	2.0	2.0	1.8	1.3	1.0	1.5	1.8	1.8	1.8
150°	1.5	1.5	1.5	1.5	1.5	1.0	0.8	1.3	1.5	1.5	1.5
152.5°	1.3	1.3	1.5	1.5	1.3	0.8	0.5	1.0	1.3	1.3	1.0
155°	1.0	1.0	1.3	1.3	1.0	0.5	0.5	0.8	1.0	1.0	0.8
157.5°	0.8	1.0	1.0	1.0	0.8	0.5	0.3	0.5	0.8	0.8	0.8
160°	0.8	0.8	0.8	1.0	0.8	0.5	0.3	0.5	0.8	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)