

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: P414100

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-722-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1872 lumens
Efficiency: N/A
Efficacy: 89.1 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

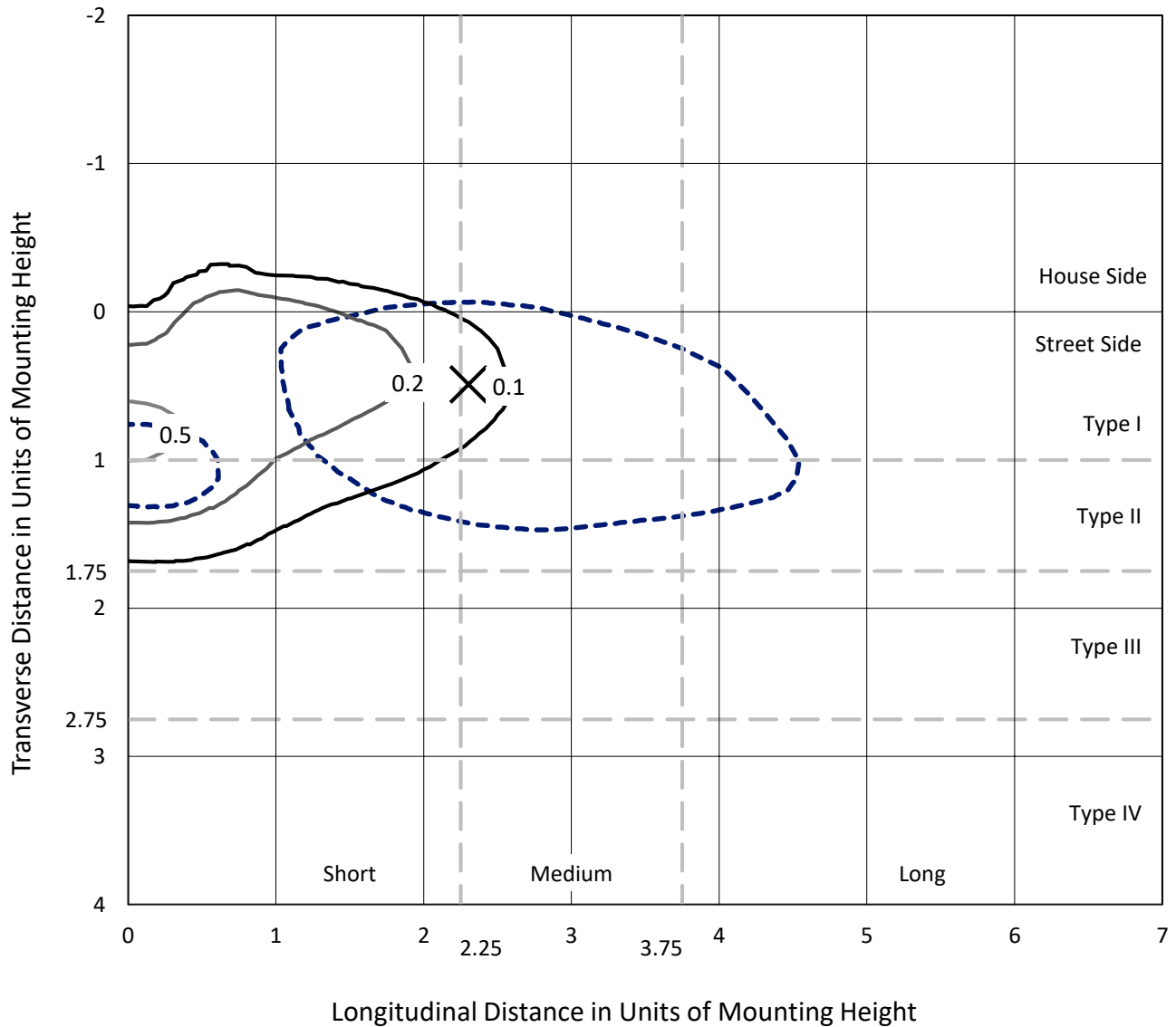
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

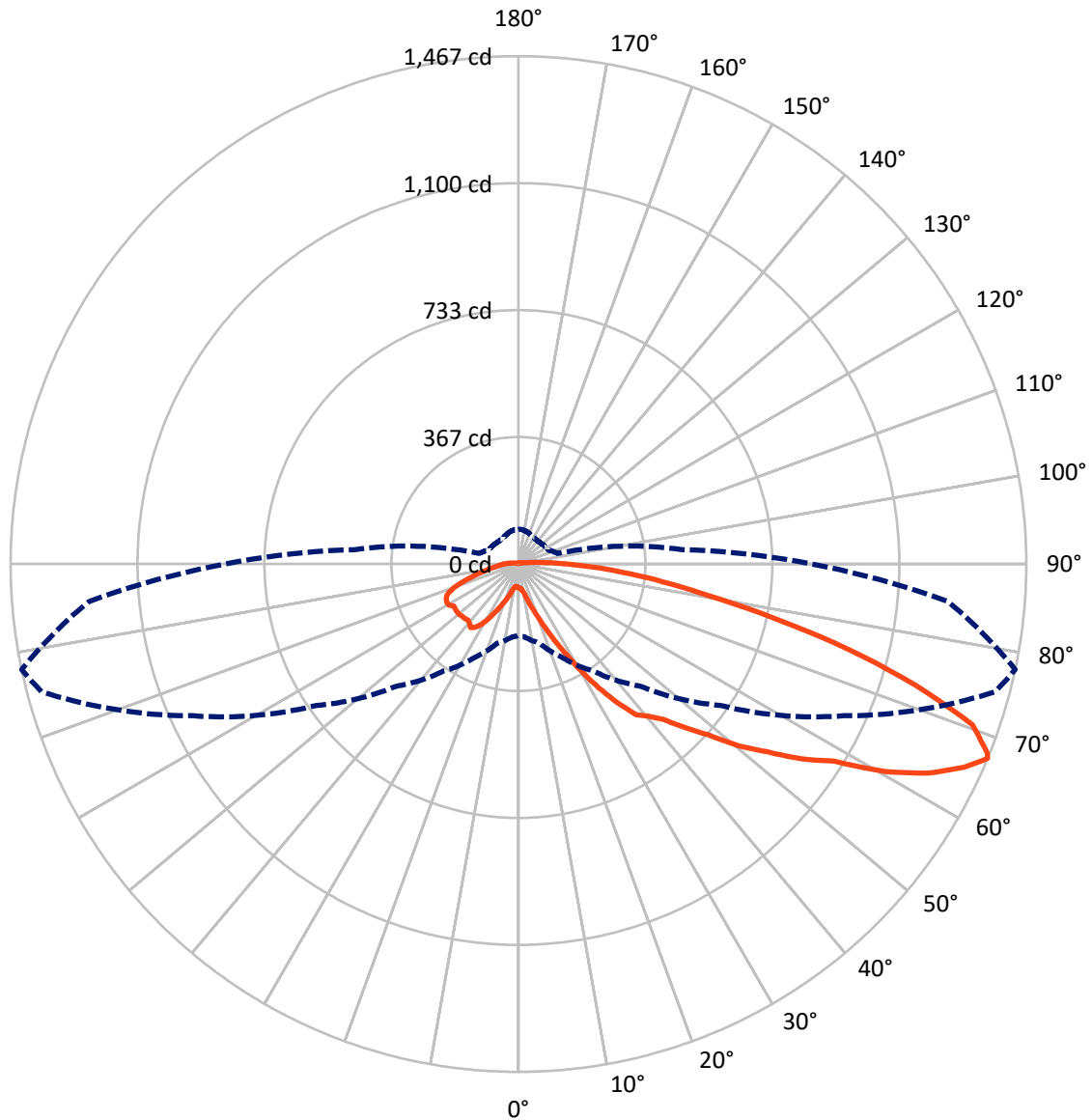
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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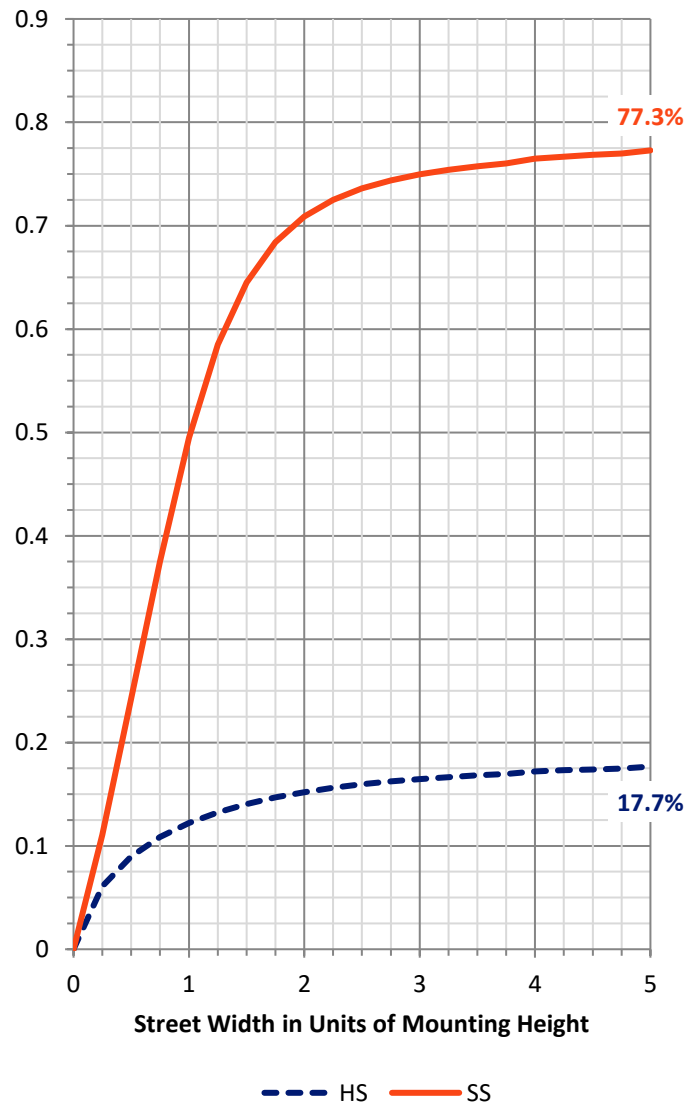
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.3	28.3	374.6
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	1467.2	30.2	1497.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	1813.5	58.5	1872.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.4
10°-20°	29.1	1.6
20°-30°	87.3	4.7
30°-40°	199.9	10.7
40°-50°	319.3	17.1
50°-60°	393.6	21.0
60°-70°	410.2	21.9
70°-80°	266.0	14.2
80°-90°	101.1	5.4
90°-100°	31.2	1.7
100°-110°	12.0	0.6
110°-120°	6.5	0.3
120°-130°	4.3	0.2
130°-140°	2.8	0.2
140°-150°	1.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1813.5	96.9
0°-180°	1872.0	100.0



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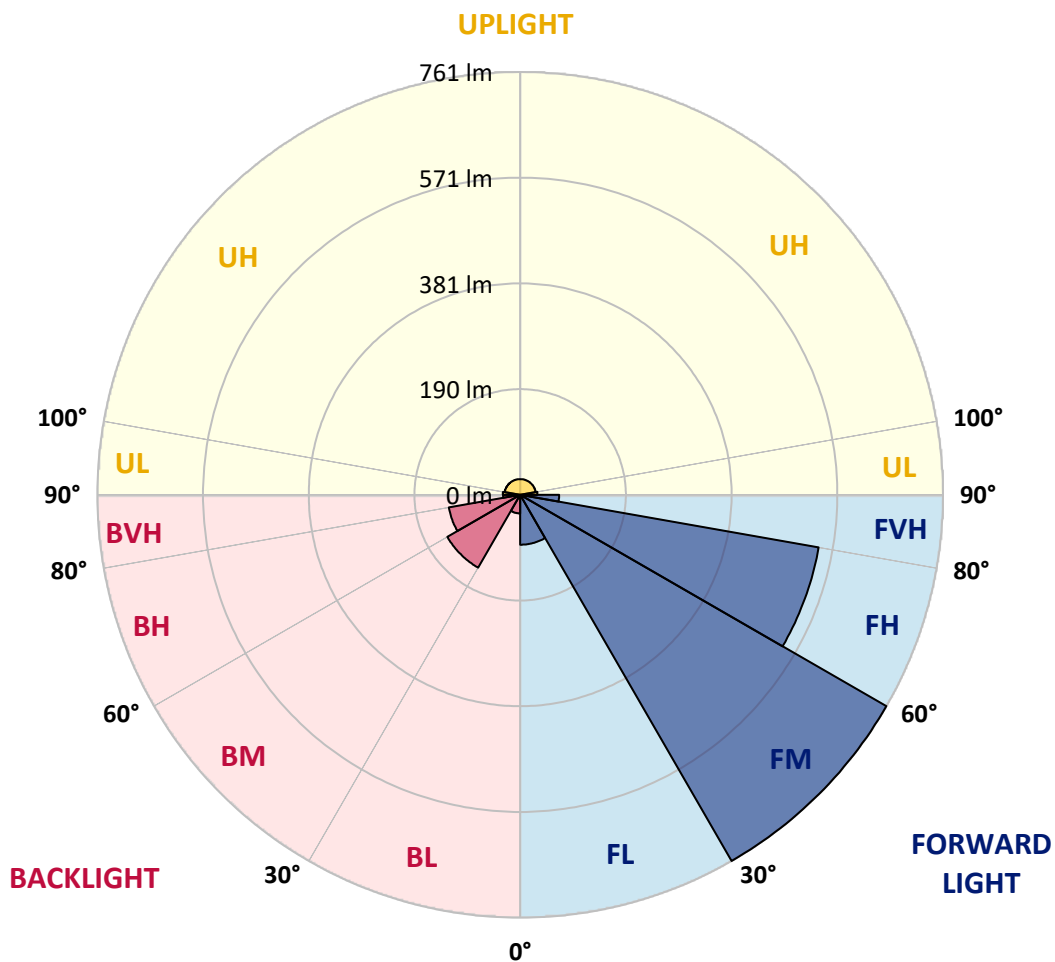
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.9	4.8			
FM	(30°-60°)	761.4	40.7			
FH	(60°-80°)	545.7	29.2			G0/660
FVH	(80°-90°)	70.1	3.7			G1/100
BL	(0°-30°)	33.5	1.8	B0/110		
BM	(30°-60°)	151.4	8.1	B0/220		
BH	(60°-80°)	130.5	7.0	B1/500		G1/500
BVH	(80°-90°)	31.0	1.7			G1/100
UL	(90°-100°)	31.2	1.7		U2/50	
UH	(100°-180°)	28.3	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°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	77.1	76.9	76.7	76.2	75.3	74.5	73.1	71.3	70.0	69.8	68.5
5°	86.9	86.2	86.2	85.1	83.3	81.5	78.9	75.8	73.3	72.0	70.0
7.5°	98.8	97.5	97.9	96.2	93.7	90.6	86.4	82.2	77.6	76.2	73.3
10°	113.2	112.3	111.5	109.2	106.4	101.5	97.5	91.3	85.1	83.3	78.9
12.5°	130.7	131.0	128.3	125.9	121.0	116.1	111.2	105.2	98.4	96.4	90.6
15°	155.3	155.1	152.2	146.7	140.7	135.4	131.4	125.0	118.3	116.1	107.5
17.5°	184.1	183.5	181.3	171.5	165.5	161.3	155.5	151.6	142.0	139.6	129.0
20°	226.2	222.2	217.1	204.1	195.2	189.9	185.2	180.1	170.0	165.7	153.1
22.5°	273.0	275.0	265.7	245.5	230.7	220.9	216.0	213.4	205.6	202.7	183.7
25°	331.0	331.0	316.4	294.3	275.0	256.8	255.7	258.8	248.4	246.4	226.2
27.5°	392.2	394.6	375.4	351.6	322.4	301.1	300.0	302.7	301.8	296.0	267.2
30°	462.0	459.8	438.1	409.3	370.5	345.4	342.3	361.6	363.2	359.2	327.7
32.5°	543.3	541.5	514.3	469.7	421.9	393.1	395.1	422.3	433.0	426.1	389.3
35°	642.1	644.4	601.6	538.9	475.7	442.5	444.7	478.8	498.8	490.4	448.9
37.5°	743.6	744.3	705.1	620.2	533.6	486.4	491.7	533.3	559.0	552.2	495.2
40°	807.9	814.5	776.9	696.2	594.5	530.2	534.7	575.9	591.0	578.1	511.2
42.5°	864.2	869.3	830.9	744.3	640.8	569.5	567.9	599.1	620.9	612.9	544.0
45°	891.9	901.8	867.3	777.7	673.4	600.0	588.1	634.8	683.1	673.2	597.2
47.5°	871.7	883.9	869.3	795.2	688.0	619.3	622.0	686.2	748.7	737.6	655.2
50°	805.9	820.5	825.4	782.2	691.8	628.8	657.2	743.6	827.4	825.2	726.6
52.5°	726.6	734.3	755.6	742.7	677.8	639.9	695.3	799.2	908.5	901.6	785.7
55°	653.2	663.4	680.9	673.4	643.2	641.2	725.4	861.3	994.7	993.8	860.2
57.5°	552.2	566.4	603.1	607.3	598.5	633.1	747.4	910.0	1070.9	1074.0	934.8
60°	423.9	435.8	491.7	536.2	544.0	613.8	758.5	963.6	1201.2	1217.4	1065.4
62.5°	343.7	345.9	388.2	443.8	496.6	578.5	760.2	1031.4	1315.1	1329.7	1143.6
65°	257.3	256.8	295.8	359.2	432.5	537.3	754.7	1052.7	1376.9	1414.3	1218.2
67°	206.7	211.6	236.6	296.9	377.1	498.8	711.7	1037.0	1425.4	1466.6	1245.5
67.5°	198.8	201.2	224.0	281.0	364.5	487.3	699.1	1033.0	1425.2	1460.2	1237.3
70°	158.7	162.0	178.6	216.3	291.6	411.7	610.2	940.4	1340.8	1391.7	1162.2
72.5°	122.5	125.2	136.9	165.5	222.0	331.5	504.8	809.2	1161.1	1201.4	985.4
75°	93.3	94.2	105.2	124.7	169.5	252.8	389.8	637.3	954.8	985.4	800.8
77.5°	72.2	74.2	82.6	95.7	125.9	190.3	293.4	496.3	759.6	754.9	608.9
80°	56.3	58.1	64.3	73.3	94.4	139.8	214.7	366.9	554.8	560.4	445.8
82.5°	45.2	46.5	50.7	57.4	72.7	106.4	156.9	274.3	421.9	419.9	326.8
85°	36.1	37.0	40.1	45.9	56.1	80.7	115.9	203.9	297.8	300.2	223.1
87.5°	28.1	29.2	32.8	36.3	44.3	61.4	85.5	141.4	198.1	200.1	153.3
90°	21.9	22.6	25.7	29.5	35.9	46.5	61.8	96.8	127.6	125.2	98.6
92.5°	16.2	16.8	19.7	23.3	27.9	35.9	44.5	62.0	74.7	76.2	61.6
95°	11.5	12.2	14.6	17.3	21.3	27.3	31.7	39.4	45.9	44.5	39.4
97.5°	8.9	9.1	10.9	12.9	16.2	21.0	23.5	27.3	30.1	29.5	27.5
100°	7.1	7.3	8.6	9.7	12.6	16.6	18.8	20.8	22.6	21.9	21.0
102.5°	6.0	6.2	7.1	8.0	10.4	14.0	15.3	16.6	17.3	17.3	16.8
105°	5.1	5.3	6.0	6.9	8.9	11.5	12.4	13.1	13.7	13.5	13.5
107.5°	4.7	4.7	5.3	6.0	7.8	9.7	10.2	10.4	10.6	10.6	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	4.2	4.4	4.9	5.3	6.9	8.6	8.6	8.4	8.4	8.4	9.1
112.5°	4.0	4.2	4.4	5.1	6.4	7.5	7.3	6.9	6.9	7.1	7.8
115°	4.0	4.0	4.2	4.9	6.0	6.9	6.4	5.8	5.8	6.0	6.6
117.5°	4.0	4.0	4.4	4.9	5.8	6.2	5.8	5.1	4.9	5.1	5.8
120°	4.2	4.2	4.4	4.9	5.3	5.8	5.3	4.7	4.4	4.7	5.3
122.5°	4.4	4.4	4.4	4.9	5.1	5.3	4.9	4.2	4.0	4.2	4.9
125°	4.7	4.7	4.7	4.9	5.1	4.9	4.4	4.0	4.0	4.0	4.7
127.5°	5.1	5.1	5.1	5.1	4.9	4.7	4.2	3.8	4.0	4.0	4.4
130°	5.5	5.5	5.3	5.1	4.9	4.4	4.0	3.5	3.8	4.0	4.4
132.5°	5.8	5.5	5.3	4.9	4.7	4.0	3.5	3.3	3.5	3.8	4.2
135°	5.3	5.3	4.9	4.4	4.2	3.5	3.1	3.1	3.3	3.5	3.8
137.5°	4.7	4.7	4.4	4.0	3.8	3.3	2.9	2.7	3.1	3.3	3.5
140°	4.0	4.0	3.8	3.3	3.1	2.9	2.4	2.2	2.7	2.9	3.1
142.5°	3.3	3.3	3.1	2.7	2.7	2.4	2.0	2.0	2.4	2.4	2.7
145°	2.7	2.7	2.7	2.2	2.2	2.0	1.6	1.8	2.0	2.2	2.2
147.5°	2.2	2.2	2.2	1.8	1.8	1.6	1.1	1.3	1.6	1.8	1.8
150°	1.8	1.8	1.8	1.6	1.3	1.1	0.9	1.1	1.1	1.3	1.3
152.5°	1.3	1.3	1.3	1.1	1.1	0.7	0.7	0.9	0.9	1.1	1.1
155°	0.9	0.9	1.1	0.9	0.7	0.4	0.7	0.7	0.9	0.9	0.9
157.5°	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
160°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	67.8	67.4	66.3	65.1	64.0	63.1	62.0	61.8	61.8	61.4	61.4
5°	68.7	67.4	64.7	62.5	60.0	58.1	56.5	55.8	55.2	54.7	54.3
7.5°	70.7	68.5	64.0	60.5	56.9	53.8	51.6	50.5	49.9	49.2	49.4
10°	75.3	72.0	65.6	59.8	54.5	50.3	47.6	46.3	45.9	45.2	45.2
12.5°	85.3	80.9	71.6	61.8	53.6	47.9	44.8	44.3	44.8	45.4	45.4
15°	101.0	94.4	80.9	67.4	55.6	47.4	45.6	47.0	48.5	49.4	49.4
17.5°	120.3	111.2	92.0	73.8	58.5	51.4	49.2	51.0	53.0	54.3	54.3
20°	141.6	129.4	103.3	79.3	62.7	56.9	54.5	56.1	58.7	60.7	60.5
22.5°	169.3	151.6	116.3	84.2	67.8	62.0	60.5	62.5	66.5	69.1	69.4
25°	203.6	179.3	131.6	90.6	72.5	66.5	66.9	70.5	75.8	78.7	78.7
27.5°	240.2	209.4	144.7	97.1	77.3	71.1	73.3	78.2	84.0	87.3	87.7
30°	288.5	248.2	161.1	103.5	81.5	75.8	78.4	84.2	88.4	90.4	90.6
32.5°	337.7	285.0	174.2	110.1	85.5	79.1	81.5	87.1	90.8	93.1	92.8
35°	382.2	314.6	181.9	113.2	89.1	81.5	82.6	88.6	90.8	92.2	92.0
37.5°	416.3	335.9	184.8	113.9	90.4	82.6	83.1	88.2	91.3	93.7	93.3
40°	422.1	333.0	173.9	109.9	90.2	82.6	83.5	89.3	92.6	93.7	93.5
42.5°	443.4	341.0	164.6	102.8	87.5	82.4	84.4	89.7	91.3	90.6	90.0
45°	480.4	357.8	162.0	99.3	84.2	81.8	84.9	88.6	88.4	87.1	86.6
47.5°	516.9	374.0	156.2	97.7	83.3	81.5	84.6	87.3	88.0	86.6	86.2
50°	563.5	395.5	151.6	95.5	83.5	81.5	84.2	87.3	87.7	85.5	85.3
52.5°	605.1	410.4	144.7	93.5	83.8	82.2	84.2	87.3	87.5	85.3	84.9
55°	648.6	426.1	137.6	91.5	84.4	82.9	84.9	87.5	87.7	86.2	85.8
57.5°	692.0	439.8	129.6	90.0	85.1	84.2	85.3	87.7	89.5	89.1	89.1
60°	780.6	479.3	128.3	90.2	85.8	85.3	85.8	88.9	92.2	91.1	91.3
62.5°	815.6	487.7	125.9	93.1	87.7	86.2	86.4	89.7	93.3	94.8	94.6
65°	847.5	488.4	121.0	95.1	90.2	86.9	86.9	90.0	95.9	99.5	99.5
67°	845.8	475.1	117.4	95.3	91.3	87.5	86.6	90.0	96.2	100.2	100.4
67.5°	835.6	466.4	116.1	95.3	91.5	87.5	86.4	89.7	96.2	100.4	100.4
70°	774.2	421.0	107.5	92.8	90.8	86.4	85.1	87.5	94.8	100.6	100.6
72.5°	641.2	346.5	95.3	86.9	86.6	83.5	81.5	84.2	91.3	97.3	97.1
75°	518.3	277.0	83.1	78.0	80.2	78.0	76.4	78.4	85.3	91.3	90.8
77.5°	387.3	208.1	71.8	69.6	72.7	71.1	69.8	71.8	78.4	84.2	83.3
80°	286.3	160.4	62.5	61.6	63.8	63.4	62.9	63.8	69.6	73.3	72.7
82.5°	210.7	122.1	53.8	53.2	55.8	55.8	55.8	56.5	60.7	62.0	61.4
85°	149.8	92.0	47.4	45.6	47.9	49.0	49.6	49.9	52.1	52.3	50.7
87.5°	105.5	72.5	42.5	38.8	39.9	42.3	43.4	43.2	44.1	43.4	41.9
90°	73.6	56.9	38.6	33.0	33.0	35.5	37.2	37.0	37.2	35.5	33.9
92.5°	51.8	43.0	32.6	27.3	26.8	29.2	30.8	30.6	30.6	28.8	27.3
95°	34.8	31.7	25.9	21.9	21.3	23.3	24.8	24.4	24.4	22.6	21.9
97.5°	25.7	24.2	21.3	18.6	17.3	18.4	19.5	19.5	19.7	18.6	17.9
100°	20.2	19.5	18.2	16.0	14.6	14.8	15.5	15.5	16.4	15.5	15.1
102.5°	16.8	16.4	15.3	13.7	12.6	12.4	12.9	13.1	14.2	13.5	13.3
105°	14.0	13.7	13.1	11.7	10.9	10.9	10.9	11.1	12.2	11.7	11.7
107.5°	11.3	11.3	11.3	10.2	9.5	9.5	9.3	9.5	10.4	10.4	10.4



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CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.5	9.5	9.7	8.9	8.4	8.4	8.2	8.4	9.3	9.5	9.5
112.5°	8.2	8.2	8.4	8.0	7.5	7.5	7.3	7.3	8.2	8.9	8.9
115°	7.1	7.3	7.3	7.1	6.9	6.6	6.4	6.6	7.5	8.2	8.2
117.5°	6.2	6.4	6.6	6.4	6.2	6.0	5.8	6.0	6.9	7.8	7.8
120°	5.5	5.8	6.0	6.0	5.8	5.5	5.1	5.5	6.2	7.1	7.3
122.5°	5.1	5.3	5.3	5.3	5.3	4.9	4.7	4.9	5.5	6.4	6.6
125°	4.9	4.9	5.1	5.1	4.9	4.4	4.2	4.4	4.9	5.5	5.8
127.5°	4.7	4.7	4.9	4.9	4.4	4.0	3.8	4.0	4.4	4.9	4.9
130°	4.7	4.7	4.7	4.4	4.2	3.8	3.3	3.5	4.0	4.4	4.4
132.5°	4.4	4.2	4.2	4.2	3.8	3.3	3.1	3.1	3.5	4.0	4.0
135°	4.0	4.0	3.8	3.8	3.5	2.9	2.7	2.7	3.1	3.5	3.5
137.5°	3.5	3.5	3.3	3.3	3.1	2.7	2.2	2.4	2.9	2.9	3.1
140°	3.1	3.1	2.9	2.9	2.7	2.2	1.8	2.0	2.4	2.4	2.7
142.5°	2.7	2.7	2.7	2.4	2.2	1.8	1.6	1.8	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.0	1.8	1.3	1.1	1.6	2.0	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.3	1.1	0.9	1.3	1.6	1.6	1.6
150°	1.3	1.3	1.3	1.3	1.1	0.7	0.7	1.1	1.3	1.3	1.3
152.5°	1.1	1.1	1.1	1.3	1.1	0.4	0.4	0.9	1.1	1.1	1.1
155°	0.9	0.9	1.1	1.1	0.9	0.4	0.2	0.7	0.9	0.9	0.9
157.5°	0.7	0.7	0.9	0.9	0.7	0.4	0.2	0.4	0.9	0.7	0.7
160°	0.4	0.7	0.7	0.7	0.7	0.4	0.0	0.4	0.7	0.4	0.4
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)