

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: P414464

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414464
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-PA1-20-830-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2023 lumens
Efficiency: N/A
Efficacy: 96.3 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

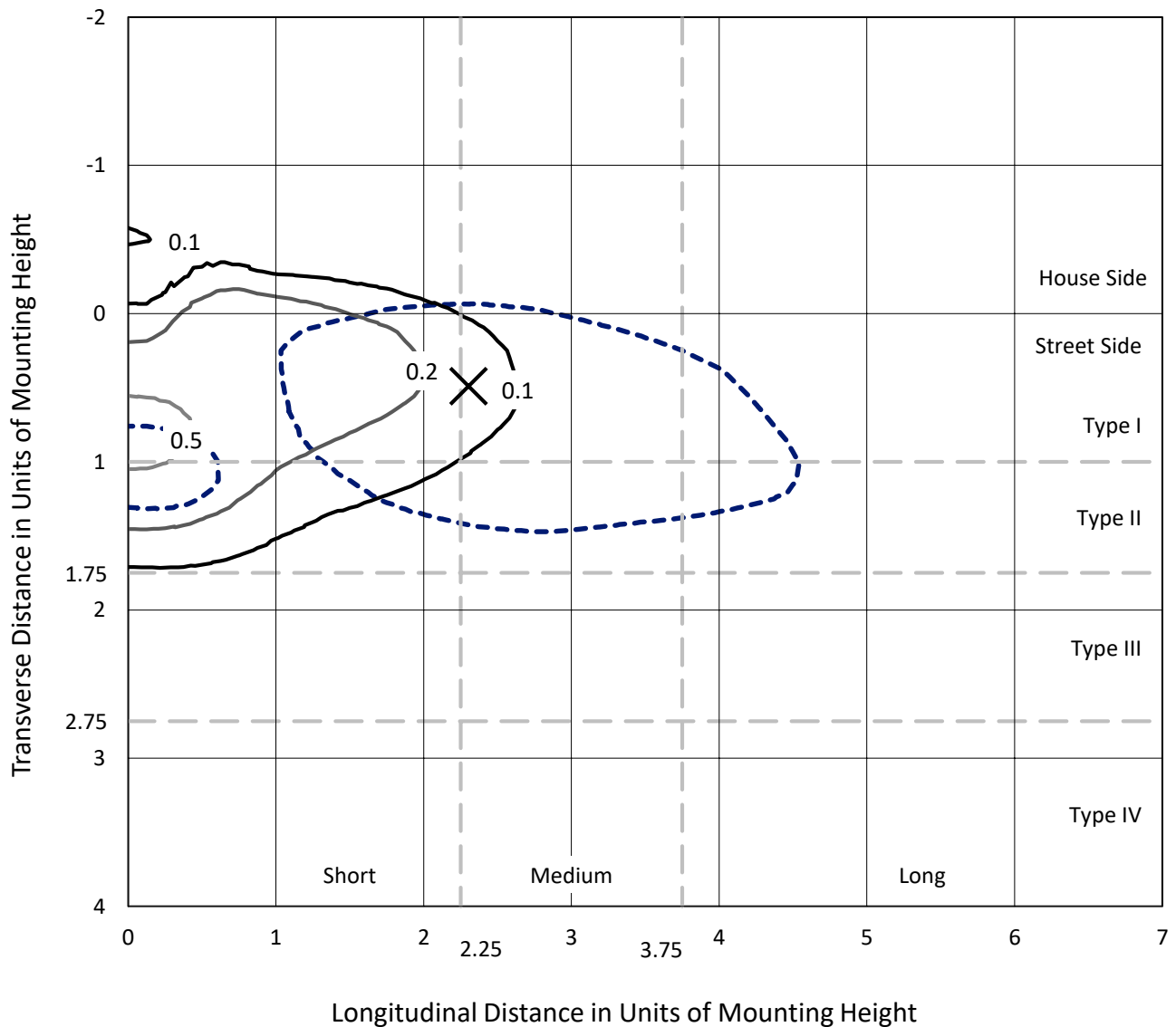
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

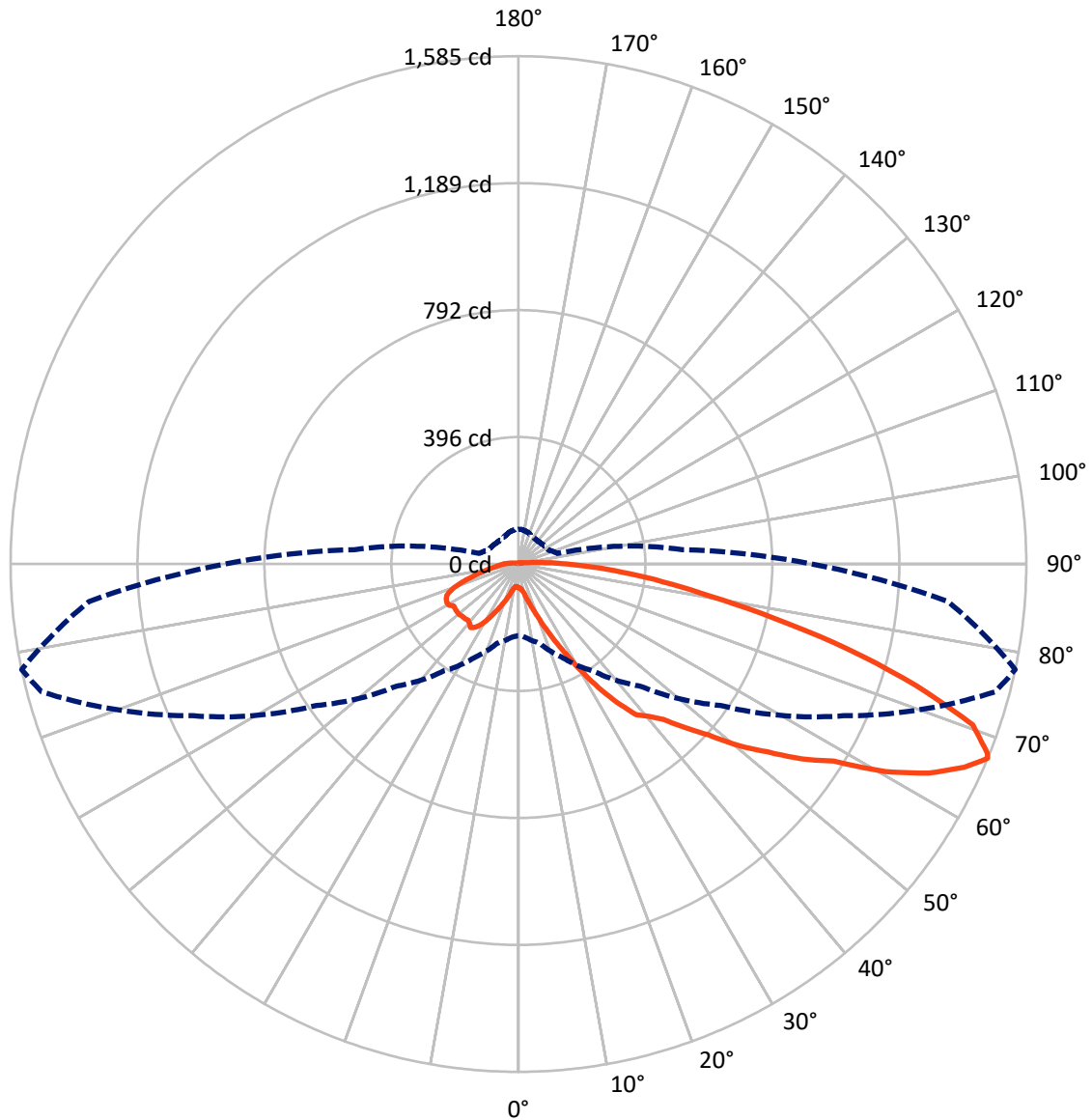
✕ Max cd
 - - - 1/2 Max cd



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-Deg Vertical



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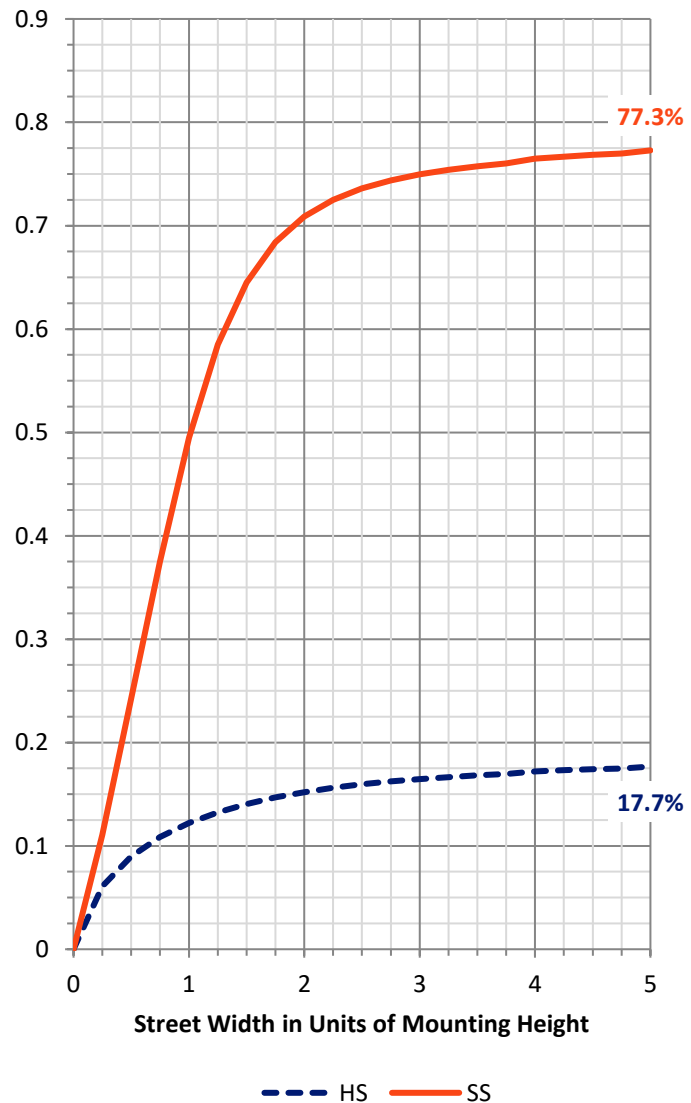
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	374.3	30.6	404.9
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	1585.5	32.6	1618.1
	% Fixture	78.4	1.6	80.0
Total	Lumens	1959.8	63.2	2023.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.4
10°-20°	31.5	1.6
20°-30°	94.4	4.7
30°-40°	216.1	10.7
40°-50°	345.1	17.1
50°-60°	425.3	21.0
60°-70°	443.3	21.9
70°-80°	287.4	14.2
80°-90°	109.3	5.4
90°-100°	33.8	1.7
100°-110°	13.0	0.6
110°-120°	7.0	0.3
120°-130°	4.6	0.2
130°-140°	3.1	0.2
140°-150°	1.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1959.8	96.9
0°-180°	2023.0	100.0



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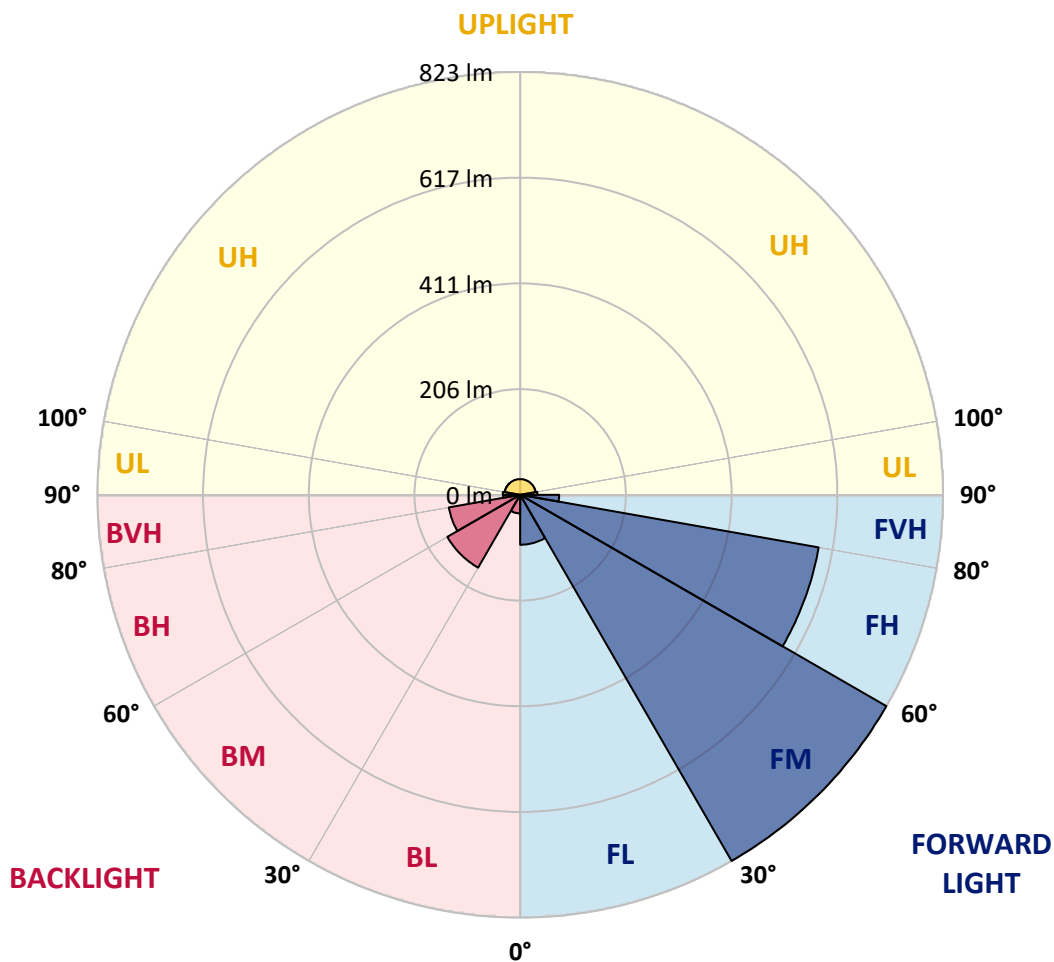
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.1	4.8			
FM	(30°-60°)	822.9	40.7			
FH	(60°-80°)	589.7	29.2			G0/660
FVH	(80°-90°)	75.8	3.7			G1/100
BL	(0°-30°)	36.2	1.8	B0/110		
BM	(30°-60°)	163.6	8.1	B0/220		
BH	(60°-80°)	141.0	7.0	B1/500		G1/500
BVH	(80°-90°)	33.5	1.7			G1/100
UL	(90°-100°)	33.8	1.7		U2/50	
UH	(100°-180°)	30.6	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°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	83.3	83.1	82.9	82.4	81.4	80.5	79.0	77.1	75.7	75.4	74.0
5°	93.9	93.1	93.1	91.9	90.0	88.1	85.2	81.9	79.3	77.8	75.7
7.5°	106.8	105.4	105.8	103.9	101.3	97.9	93.4	88.8	83.8	82.4	79.3
10°	122.4	121.4	120.4	118.0	114.9	109.7	105.4	98.7	91.9	90.0	85.2
12.5°	141.3	141.5	138.6	136.0	130.7	125.5	120.2	113.7	106.3	104.2	97.9
15°	167.9	167.6	164.5	158.5	152.1	146.3	142.0	135.1	127.9	125.5	116.1
17.5°	199.0	198.3	195.9	185.3	178.9	174.3	168.1	163.8	153.5	150.9	139.4
20°	244.5	240.2	234.7	220.5	211.0	205.2	200.2	194.7	183.7	179.1	165.5
22.5°	295.0	297.2	287.1	265.3	249.3	238.7	233.5	230.6	222.2	219.1	198.5
25°	357.7	357.7	341.9	318.0	297.2	277.5	276.3	279.7	268.4	266.3	244.5
27.5°	423.8	426.5	405.6	380.0	348.4	325.4	324.2	327.1	326.1	319.9	288.8
30°	499.3	496.9	473.4	442.3	400.4	373.3	370.0	390.8	392.5	388.2	354.1
32.5°	587.1	585.2	555.8	507.6	455.9	424.8	426.9	456.4	467.9	460.5	420.7
35°	693.9	696.3	650.1	582.3	514.1	478.2	480.6	517.5	539.0	529.9	485.1
37.5°	803.6	804.3	761.9	670.2	576.6	525.6	531.3	576.4	604.1	596.7	535.2
40°	873.0	880.2	839.5	752.4	642.4	573.0	577.8	622.3	638.6	624.7	552.4
42.5°	933.9	939.4	897.9	804.3	692.5	615.4	613.7	647.5	670.9	662.3	587.9
45°	963.8	974.6	937.2	840.5	727.7	648.4	635.5	686.0	738.2	727.5	645.3
47.5°	942.0	955.2	939.4	859.4	743.5	669.3	672.1	741.6	809.1	797.1	708.1
50°	870.9	886.7	892.0	845.3	747.6	679.6	710.2	803.6	894.1	891.7	785.2
52.5°	785.2	793.5	816.5	802.6	732.5	691.5	751.4	863.7	981.8	974.3	849.1
55°	705.9	716.9	735.8	727.7	695.1	693.0	784.0	930.7	1074.9	1073.9	929.6
57.5°	596.7	612.0	651.8	656.3	646.8	684.1	807.7	983.4	1157.3	1160.6	1010.2
60°	458.1	471.0	531.3	579.5	587.9	663.3	819.6	1041.4	1298.1	1315.5	1151.3
62.5°	371.4	373.8	419.5	479.6	536.6	625.2	821.6	1114.6	1421.1	1437.0	1235.8
65°	278.0	277.5	319.7	388.2	467.4	580.7	815.6	1137.6	1488.0	1528.4	1316.5
67°	223.4	228.7	255.7	320.9	407.5	539.0	769.1	1120.6	1540.4	1584.9	1346.0
67.5°	214.8	217.4	242.1	303.6	393.9	526.6	755.5	1116.3	1540.2	1578.0	1337.1
70°	171.4	175.0	193.0	233.7	315.1	444.9	659.5	1016.2	1448.9	1504.0	1255.9
72.5°	132.4	135.3	148.0	178.9	239.9	358.2	545.5	874.5	1254.7	1298.3	1064.8
75°	100.8	101.8	113.7	134.8	183.2	273.2	421.2	688.7	1031.8	1064.8	865.4
77.5°	78.1	80.2	89.3	103.4	136.0	205.7	317.0	536.4	820.8	815.8	658.0
80°	60.8	62.7	69.4	79.3	102.0	151.1	232.0	396.5	599.6	605.6	481.8
82.5°	48.8	50.3	54.8	62.0	78.5	114.9	169.5	296.4	455.9	453.8	353.2
85°	39.0	40.0	43.3	49.6	60.6	87.2	125.2	220.3	321.8	324.5	241.1
87.5°	30.4	31.6	35.4	39.3	47.9	66.3	92.4	152.8	214.1	216.2	165.7
90°	23.7	24.4	27.8	31.8	38.8	50.3	66.8	104.6	137.9	135.3	106.6
92.5°	17.5	18.2	21.3	25.1	30.2	38.8	48.1	67.0	80.7	82.4	66.6
95°	12.5	13.2	15.8	18.7	23.0	29.5	34.2	42.6	49.6	48.1	42.6
97.5°	9.6	9.8	11.7	13.9	17.5	22.7	25.4	29.5	32.6	31.8	29.7
100°	7.7	7.9	9.3	10.5	13.6	18.0	20.4	22.5	24.4	23.7	22.7
102.5°	6.5	6.7	7.7	8.6	11.3	15.1	16.5	18.0	18.7	18.7	18.2
105°	5.5	5.7	6.5	7.4	9.6	12.5	13.4	14.1	14.8	14.6	14.6
107.5°	5.0	5.0	5.7	6.5	8.4	10.5	11.0	11.3	11.5	11.5	12.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	4.5	4.8	5.3	5.7	7.4	9.3	9.3	9.1	9.1	9.1	9.8
112.5°	4.3	4.5	4.8	5.5	6.9	8.1	7.9	7.4	7.4	7.7	8.4
115°	4.3	4.3	4.5	5.3	6.5	7.4	6.9	6.2	6.2	6.5	7.2
117.5°	4.3	4.3	4.8	5.3	6.2	6.7	6.2	5.5	5.3	5.5	6.2
120°	4.5	4.5	4.8	5.3	5.7	6.2	5.7	5.0	4.8	5.0	5.7
122.5°	4.8	4.8	4.8	5.3	5.5	5.7	5.3	4.5	4.3	4.5	5.3
125°	5.0	5.0	5.0	5.3	5.5	5.3	4.8	4.3	4.3	4.3	5.0
127.5°	5.5	5.5	5.5	5.5	5.3	5.0	4.5	4.1	4.3	4.3	4.8
130°	6.0	6.0	5.7	5.5	5.3	4.8	4.3	3.8	4.1	4.3	4.8
132.5°	6.2	6.0	5.7	5.3	5.0	4.3	3.8	3.6	3.8	4.1	4.5
135°	5.7	5.7	5.3	4.8	4.5	3.8	3.4	3.4	3.6	3.8	4.1
137.5°	5.0	5.0	4.8	4.3	4.1	3.6	3.1	2.9	3.4	3.6	3.8
140°	4.3	4.3	4.1	3.6	3.4	3.1	2.6	2.4	2.9	3.1	3.4
142.5°	3.6	3.6	3.4	2.9	2.9	2.6	2.2	2.2	2.6	2.6	2.9
145°	2.9	2.9	2.9	2.4	2.4	2.2	1.7	1.9	2.2	2.4	2.4
147.5°	2.4	2.4	2.4	1.9	1.9	1.7	1.2	1.4	1.7	1.9	1.9
150°	1.9	1.9	1.9	1.7	1.4	1.2	1.0	1.2	1.2	1.4	1.4
152.5°	1.4	1.4	1.4	1.2	1.2	0.7	0.7	1.0	1.0	1.2	1.2
155°	1.0	1.0	1.2	1.0	0.7	0.5	0.7	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7
160°	0.2	0.2	0.5	0.5	0.5	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°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	73.3	72.8	71.6	70.4	69.2	68.2	67.0	66.8	66.8	66.3	66.3
5°	74.2	72.8	69.9	67.5	64.9	62.7	61.1	60.3	59.6	59.1	58.7
7.5°	76.4	74.0	69.2	65.4	61.5	58.2	55.8	54.6	53.9	53.2	53.4
10°	81.4	77.8	70.9	64.7	58.9	54.4	51.5	50.0	49.6	48.8	48.8
12.5°	92.2	87.4	77.3	66.8	57.9	51.7	48.4	47.9	48.4	49.1	49.1
15°	109.2	102.0	87.4	72.8	60.1	51.2	49.3	50.8	52.4	53.4	53.4
17.5°	130.0	120.2	99.4	79.7	63.2	55.6	53.2	55.1	57.2	58.7	58.7
20°	153.0	139.8	111.6	85.7	67.8	61.5	58.9	60.6	63.5	65.6	65.4
22.5°	182.9	163.8	125.7	91.0	73.3	67.0	65.4	67.5	71.8	74.7	74.9
25°	220.1	193.7	142.2	97.9	78.3	71.8	72.3	76.1	81.9	85.0	85.0
27.5°	259.6	226.3	156.4	104.9	83.6	76.9	79.3	84.5	90.8	94.3	94.8
30°	311.8	268.2	174.1	111.8	88.1	81.9	84.8	91.0	95.5	97.7	97.9
32.5°	364.9	307.9	188.2	119.0	92.4	85.5	88.1	94.1	98.2	100.6	100.3
35°	413.1	340.0	196.6	122.4	96.3	88.1	89.3	95.8	98.2	99.6	99.4
37.5°	449.9	363.0	199.7	123.1	97.7	89.3	89.8	95.3	98.7	101.3	100.8
40°	456.2	359.9	188.0	118.8	97.5	89.3	90.3	96.5	100.1	101.3	101.0
42.5°	479.1	368.5	177.9	111.1	94.6	89.1	91.2	97.0	98.7	97.9	97.2
45°	519.1	386.7	175.0	107.3	91.0	88.4	91.7	95.8	95.5	94.1	93.6
47.5°	558.6	404.2	168.8	105.6	90.0	88.1	91.5	94.3	95.1	93.6	93.1
50°	608.9	427.4	163.8	103.2	90.3	88.1	91.0	94.3	94.8	92.4	92.2
52.5°	653.9	443.5	156.4	101.0	90.5	88.8	91.0	94.3	94.6	92.2	91.7
55°	700.9	460.5	148.7	98.9	91.2	89.6	91.7	94.6	94.8	93.1	92.7
57.5°	747.8	475.3	140.1	97.2	91.9	91.0	92.2	94.8	96.7	96.3	96.3
60°	843.6	517.9	138.6	97.5	92.7	92.2	92.7	96.0	99.6	98.4	98.7
62.5°	881.4	527.0	136.0	100.6	94.8	93.1	93.4	97.0	100.8	102.5	102.2
65°	915.9	527.8	130.7	102.7	97.5	93.9	93.9	97.2	103.7	107.5	107.5
67°	914.0	513.4	126.9	103.0	98.7	94.6	93.6	97.2	103.9	108.2	108.5
67.5°	903.0	504.0	125.5	103.0	98.9	94.6	93.4	97.0	103.9	108.5	108.5
70°	836.6	455.0	116.1	100.3	98.2	93.4	91.9	94.6	102.5	108.7	108.7
72.5°	693.0	374.5	103.0	93.9	93.6	90.3	88.1	91.0	98.7	105.1	104.9
75°	560.1	299.3	89.8	84.3	86.7	84.3	82.6	84.8	92.2	98.7	98.2
77.5°	418.6	224.8	77.6	75.2	78.5	76.9	75.4	77.6	84.8	91.0	90.0
80°	309.4	173.4	67.5	66.6	69.0	68.5	68.0	69.0	75.2	79.3	78.5
82.5°	227.7	131.9	58.2	57.5	60.3	60.3	60.3	61.1	65.6	67.0	66.3
85°	161.9	99.4	51.2	49.3	51.7	52.9	53.6	53.9	56.3	56.5	54.8
87.5°	114.0	78.3	46.0	41.9	43.1	45.7	46.9	46.7	47.7	46.9	45.3
90°	79.5	61.5	41.7	35.7	35.7	38.3	40.2	40.0	40.2	38.3	36.6
92.5°	56.0	46.5	35.2	29.5	29.0	31.6	33.3	33.0	33.0	31.1	29.5
95°	37.6	34.2	28.0	23.7	23.0	25.1	26.8	26.3	26.3	24.4	23.7
97.5°	27.8	26.1	23.0	20.1	18.7	19.9	21.1	21.1	21.3	20.1	19.4
100°	21.8	21.1	19.6	17.2	15.8	16.0	16.8	16.8	17.7	16.8	16.3
102.5°	18.2	17.7	16.5	14.8	13.6	13.4	13.9	14.1	15.3	14.6	14.4
105°	15.1	14.8	14.1	12.7	11.7	11.7	11.7	12.0	13.2	12.7	12.7
107.5°	12.2	12.2	12.2	11.0	10.3	10.3	10.1	10.3	11.3	11.3	11.3



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.3	10.3	10.5	9.6	9.1	9.1	8.9	9.1	10.1	10.3	10.3
112.5°	8.9	8.9	9.1	8.6	8.1	8.1	7.9	7.9	8.9	9.6	9.6
115°	7.7	7.9	7.9	7.7	7.4	7.2	6.9	7.2	8.1	8.9	8.9
117.5°	6.7	6.9	7.2	6.9	6.7	6.5	6.2	6.5	7.4	8.4	8.4
120°	6.0	6.2	6.5	6.5	6.2	6.0	5.5	6.0	6.7	7.7	7.9
122.5°	5.5	5.7	5.7	5.7	5.7	5.3	5.0	5.3	6.0	6.9	7.2
125°	5.3	5.3	5.5	5.5	5.3	4.8	4.5	4.8	5.3	6.0	6.2
127.5°	5.0	5.0	5.3	5.3	4.8	4.3	4.1	4.3	4.8	5.3	5.3
130°	5.0	5.0	5.0	4.8	4.5	4.1	3.6	3.8	4.3	4.8	4.8
132.5°	4.8	4.5	4.5	4.5	4.1	3.6	3.4	3.4	3.8	4.3	4.3
135°	4.3	4.3	4.1	4.1	3.8	3.1	2.9	2.9	3.4	3.8	3.8
137.5°	3.8	3.8	3.6	3.6	3.4	2.9	2.4	2.6	3.1	3.1	3.4
140°	3.4	3.4	3.1	3.1	2.9	2.4	1.9	2.2	2.6	2.6	2.9
142.5°	2.9	2.9	2.9	2.6	2.4	1.9	1.7	1.9	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.2	1.9	1.4	1.2	1.7	2.2	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.4	1.2	1.0	1.4	1.7	1.7	1.7
150°	1.4	1.4	1.4	1.4	1.2	0.7	0.7	1.2	1.4	1.4	1.4
152.5°	1.2	1.2	1.2	1.4	1.2	0.5	0.5	1.0	1.2	1.2	1.2
155°	1.0	1.0	1.2	1.2	1.0	0.5	0.2	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	1.0	1.0	0.7	0.5	0.2	0.5	1.0	0.7	0.7
160°	0.5	0.7	0.7	0.7	0.7	0.5	0.0	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)