

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: P415235

Luminaire Tested: **LXF.LXT-PA1-40-827-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3432.9 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

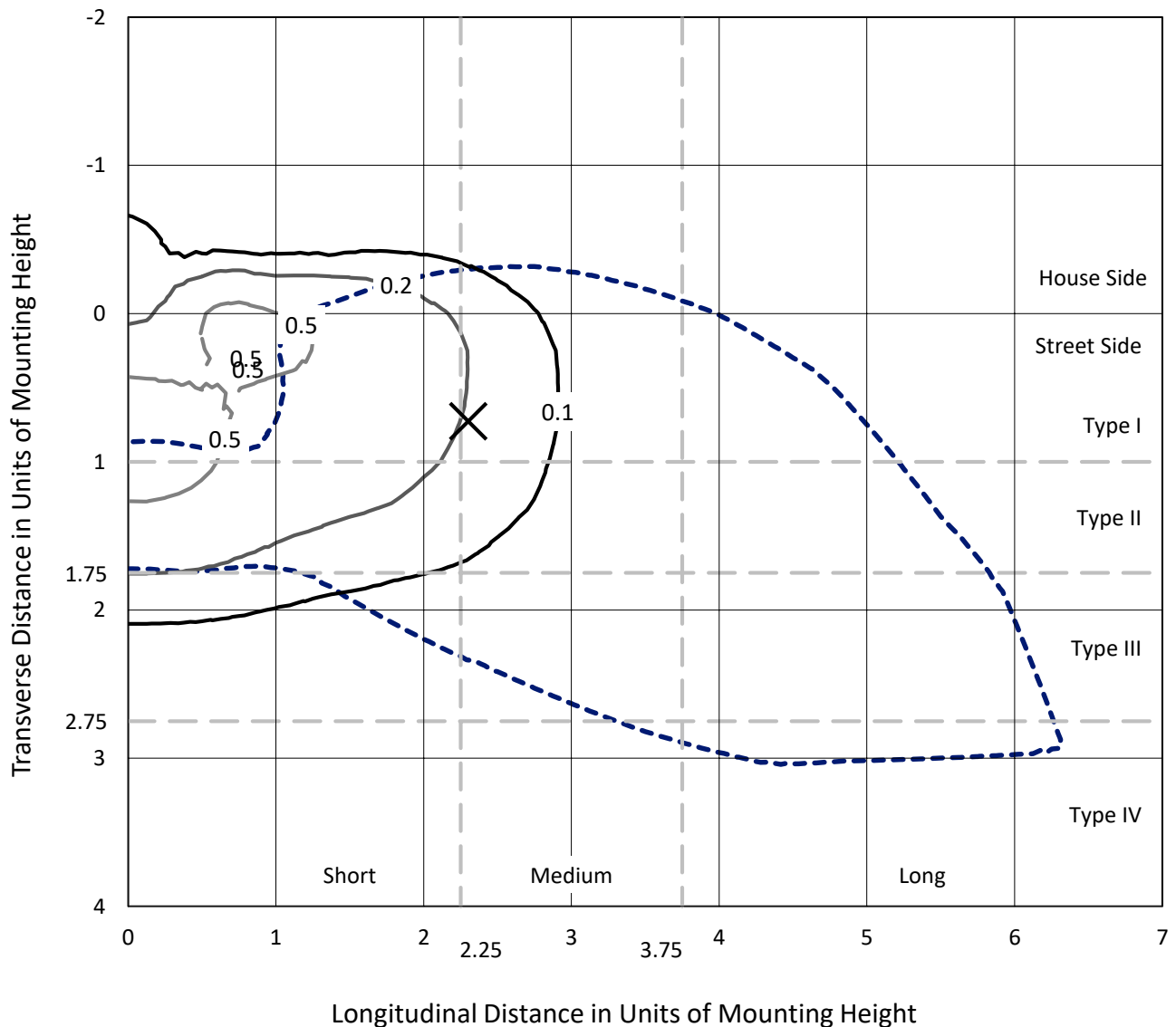
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

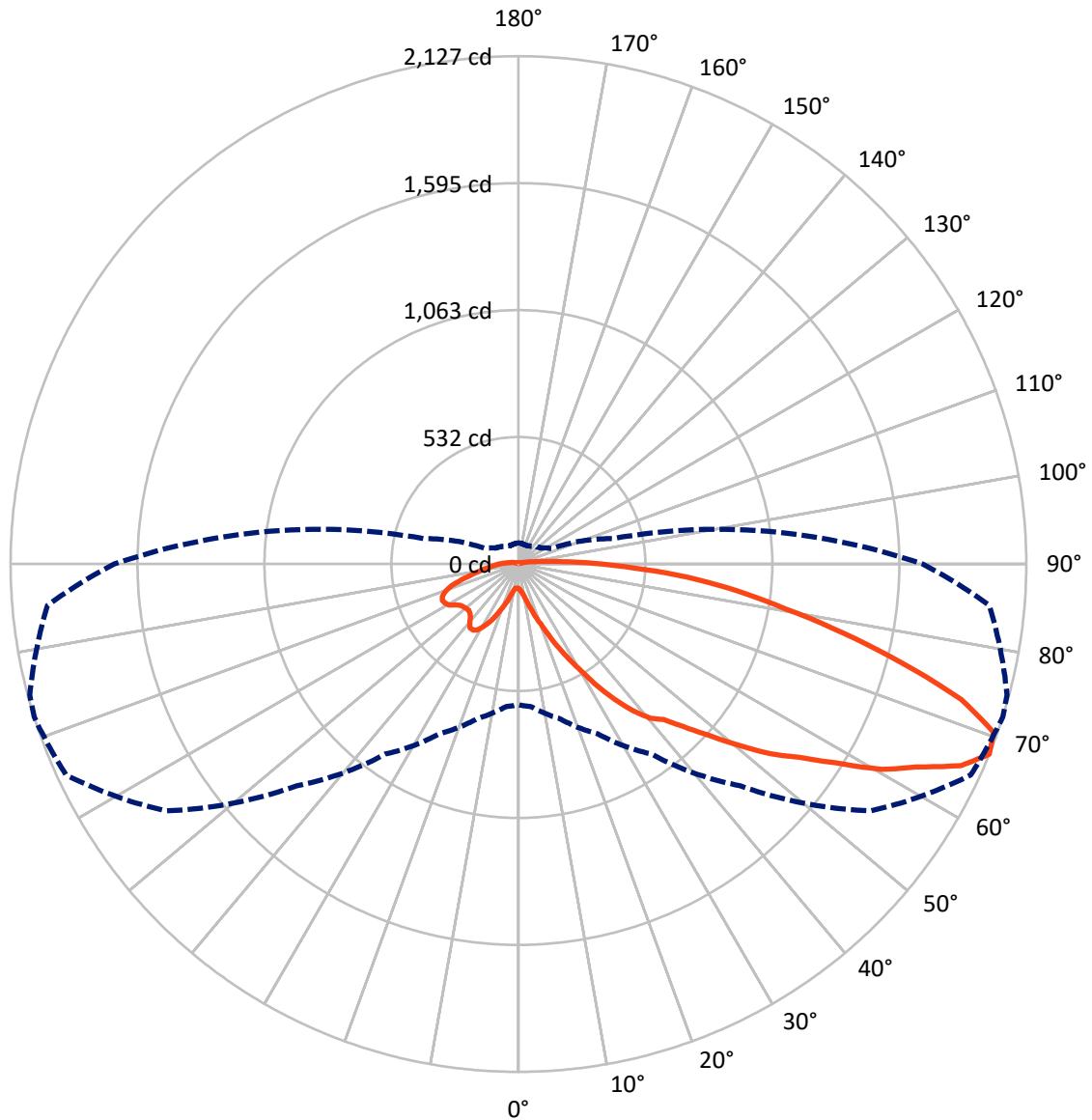
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.7	52.8	653.4
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	2704.9	74.6	2779.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	3305.5	127.4	3432.9
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.3
10°-20°	46.3	1.3
20°-30°	128.4	3.7
30°-40°	276.1	8.0
40°-50°	467.3	13.6
50°-60°	685.6	20.0
60°-70°	817.6	23.8
70°-80°	610.6	17.8
80°-90°	262.9	7.7
90°-100°	76.3	2.2
100°-110°	24.8	0.7
110°-120°	11.6	0.3
120°-130°	7.1	0.2
130°-140°	4.5	0.1
140°-150°	2.0	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3305.5	96.3
0°-180°	3432.9	100.0



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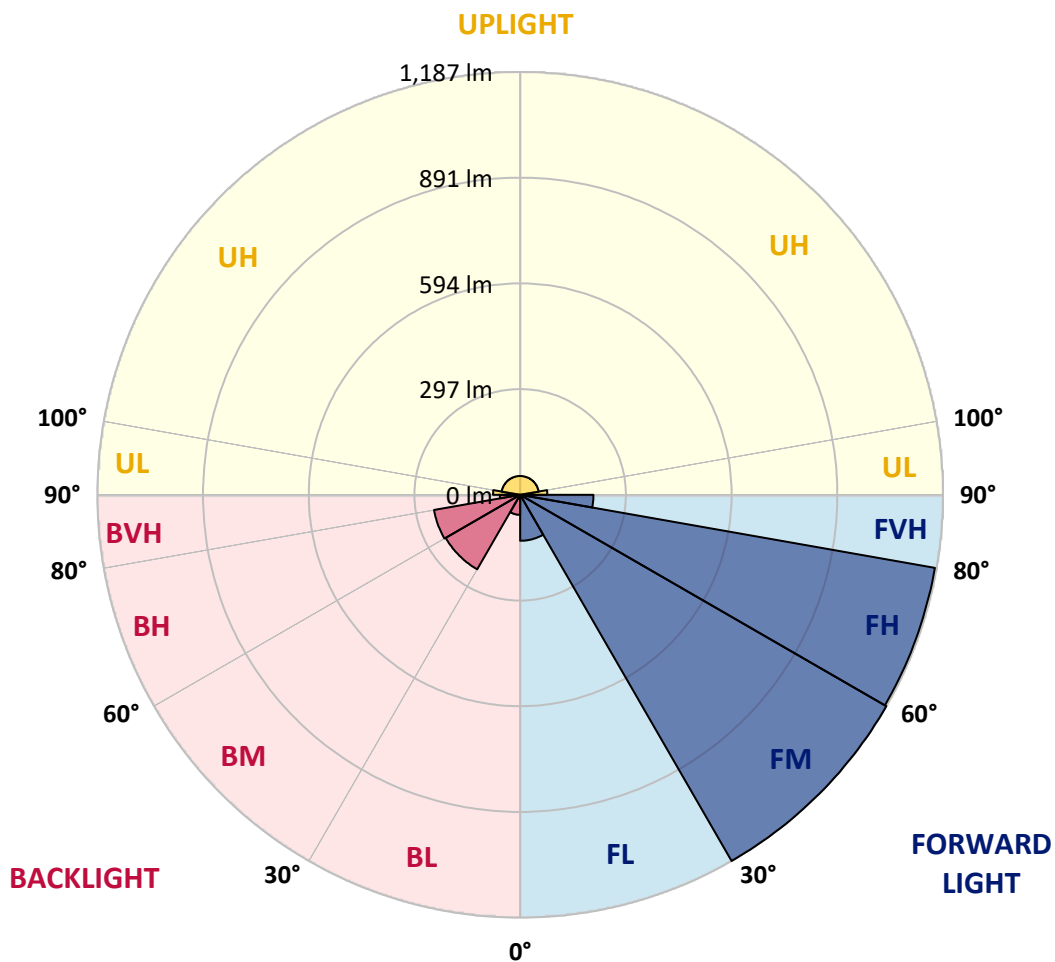
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.2	3.8			
FM	(30°-60°)	1187.4	34.6			
FH	(60°-80°)	1182.6	34.4			G1/1800
FVH	(80°-90°)	205.7	6.0			G2/225
BL	(0°-30°)	56.3	1.6	B0/110		
BM	(30°-60°)	241.5	7.0	B1/1000		
BH	(60°-80°)	245.6	7.2	B1/500		G1/500
BVH	(80°-90°)	57.3	1.7			G1/100
UL	(90°-100°)	76.3	2.2		U3/500	
UH	(100°-180°)	52.8	1.5		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°	72.5°	75°	85°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	112.7	113.5	114.3	113.9	113.5	112.3	110.3	108.3	106.3	106.3	104.6
5°	128.8	128.4	128.0	128.4	126.4	123.6	120.3	116.7	113.9	113.1	109.1
7.5°	147.3	146.5	147.3	144.9	142.1	138.5	133.6	128.8	124.0	123.2	116.7
10°	169.5	168.6	168.2	166.2	161.0	155.8	150.9	143.3	139.7	138.5	130.0
12.5°	197.2	196.8	194.4	190.4	183.5	178.3	171.5	167.4	163.8	161.0	152.5
15°	229.0	229.8	227.0	218.6	210.1	202.1	198.8	195.6	192.8	191.6	184.3
17.5°	273.7	272.1	265.6	252.8	239.1	232.6	229.8	227.8	230.6	229.8	218.6
20°	328.8	324.8	314.8	292.6	275.7	265.2	262.8	266.5	268.1	272.1	264.4
22.5°	393.6	388.4	371.5	346.6	322.0	302.3	299.9	310.7	320.8	322.0	318.8
25°	456.8	452.0	437.1	404.5	371.5	345.3	339.7	363.9	384.0	387.6	392.0
27.5°	521.6	519.2	497.5	462.1	425.8	392.8	392.0	418.2	449.6	458.0	465.7
30°	595.3	600.9	573.6	528.9	483.4	445.2	443.2	481.8	520.4	538.5	551.4
32.5°	699.1	694.3	660.1	610.2	542.6	497.9	500.7	545.8	611.0	626.3	643.2
35°	818.3	819.9	773.2	695.5	615.8	560.7	558.7	621.5	697.1	710.0	738.2
37.5°	916.1	924.1	889.5	800.2	697.9	626.7	629.5	699.9	779.6	805.4	830.0
40°	1021.1	1028.4	988.1	901.2	787.3	699.5	703.6	772.0	848.1	869.0	875.0
42.5°	1135.9	1143.1	1094.4	991.4	862.6	787.3	771.6	823.9	890.3	916.5	921.7
45°	1243.3	1255.8	1206.7	1085.5	946.7	866.2	842.4	884.7	971.6	995.8	1001.4
47.5°	1276.3	1291.2	1269.9	1170.9	1027.2	934.2	918.5	977.3	1071.1	1106.9	1099.6
50°	1308.1	1321.8	1308.9	1221.2	1094.0	1013.1	1016.7	1085.1	1191.4	1237.3	1231.6
52.5°	1313.0	1327.0	1313.8	1252.2	1151.1	1092.8	1133.0	1213.9	1319.4	1352.8	1344.8
55°	1321.0	1330.3	1318.2	1248.6	1192.6	1177.7	1253.8	1346.0	1429.7	1469.5	1456.2
57.5°	1209.1	1212.7	1256.6	1238.1	1201.5	1271.9	1389.8	1473.1	1571.8	1631.3	1624.5
60°	1048.1	1055.8	1110.1	1152.8	1195.4	1339.1	1523.5	1649.4	1746.0	1785.1	1748.1
62.5°	915.7	924.1	981.3	1036.0	1144.3	1368.9	1663.1	1807.2	1870.8	1906.2	1862.4
65°	737.8	744.2	813.9	921.3	1061.0	1357.2	1767.8	1971.4	2035.4	2049.5	1964.6
67.5°	589.7	599.3	670.2	784.9	971.6	1313.0	1802.0	2089.8	2126.8	2118.4	1979.5
70°	438.7	443.6	530.1	675.8	865.8	1216.4	1769.4	2116.3	2110.7	2099.8	1909.5
72.5°	302.3	301.5	382.8	524.9	755.5	1106.1	1617.6	1966.2	1939.6	1911.5	1670.4
75°	195.2	206.1	256.8	381.6	611.0	946.7	1421.2	1707.4	1662.3	1617.6	1376.1
77.5°	131.6	139.3	180.3	273.3	466.9	796.1	1223.2	1466.3	1391.0	1350.4	1110.9
80°	90.6	93.8	125.2	200.8	347.4	631.5	1001.8	1213.5	1131.4	1083.1	862.2
82.5°	63.6	66.0	87.3	148.1	261.6	471.7	799.8	1009.5	923.3	888.3	669.8
85°	45.9	47.5	62.8	110.3	198.8	354.2	608.6	785.3	710.4	683.4	478.6
87.5°	34.2	35.8	47.5	81.7	152.9	269.3	454.0	562.3	481.8	446.8	302.3
90°	25.4	27.0	36.6	61.2	119.5	202.9	328.8	384.4	312.7	283.4	192.8
92.5°	18.9	20.1	27.4	44.7	91.4	155.4	231.8	243.1	185.1	168.6	121.6
95°	14.1	14.9	20.5	32.6	65.2	113.1	151.7	142.1	109.1	99.0	76.9
97.5°	11.7	12.1	16.1	25.0	45.9	79.3	97.4	87.3	70.4	65.6	53.1
100°	9.7	10.1	12.9	18.9	33.4	54.3	64.4	56.8	49.1	47.1	41.5
102.5°	8.5	8.9	10.9	15.7	25.0	39.0	44.7	40.7	36.2	34.6	32.2
105°	7.6	7.6	9.7	13.3	20.5	29.4	32.6	29.8	27.0	26.2	25.8
107.5°	6.8	6.8	8.5	11.7	16.9	22.9	24.6	22.1	19.7	19.3	20.5
110°	6.4	6.4	7.6	10.5	14.5	18.9	19.3	16.5	14.9	14.9	16.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.0	6.0	7.2	9.3	12.9	15.7	15.3	12.9	11.7	11.7	13.7
115°	6.0	6.0	6.8	8.9	11.3	13.3	12.5	10.5	9.7	9.7	11.7
117.5°	6.0	6.4	6.8	8.5	10.5	11.7	10.9	8.9	8.5	8.5	10.5
120°	6.4	6.4	6.8	8.5	9.7	10.1	9.3	7.6	7.2	7.6	9.7
122.5°	6.4	6.4	7.2	8.5	9.3	9.3	8.0	6.8	6.8	6.8	8.9
125°	6.8	6.8	7.2	8.5	8.9	8.5	7.2	6.4	6.4	6.8	8.0
127.5°	7.2	7.2	7.6	8.5	8.5	7.6	6.8	6.0	6.0	6.4	8.0
130°	8.0	8.0	8.0	8.5	7.6	6.8	6.0	5.6	6.0	6.4	8.0
132.5°	8.0	8.0	8.0	8.0	7.2	6.0	5.6	5.2	6.0	6.4	7.6
135°	7.2	7.2	7.2	7.2	6.4	5.2	4.8	4.8	5.6	6.0	7.2
137.5°	6.4	6.4	6.4	6.0	5.6	4.8	4.0	4.0	4.8	5.2	6.4
140°	5.6	5.6	5.2	5.2	4.8	4.0	3.6	3.6	4.0	4.4	5.2
142.5°	4.4	4.4	4.4	4.4	4.0	3.2	2.8	2.8	3.6	4.0	4.4
145°	3.6	3.6	3.6	3.6	3.2	2.8	2.4	2.4	2.8	3.2	3.6
147.5°	2.8	2.8	3.2	3.2	2.8	2.4	1.6	2.0	2.4	2.4	2.8
150°	2.4	2.4	2.4	2.8	2.0	1.6	1.2	1.6	2.0	2.0	2.4
152.5°	2.0	2.0	2.0	2.0	1.6	0.8	1.2	1.6	1.6	2.0	2.0
155°	1.2	1.2	1.6	1.6	1.2	0.8	1.2	1.2	1.6	1.6	2.0
157.5°	0.8	0.8	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2	1.6
160°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
162.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
165°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
167.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
170°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
172.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
175°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
177.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	103.4	102.6	101.0	99.4	97.8	96.2	95.8	95.0	94.6	94.2	94.6
5°	107.5	105.1	101.4	97.8	94.6	91.8	89.8	87.7	86.1	85.3	85.3
7.5°	114.7	110.7	104.6	98.6	93.0	88.1	84.9	82.1	80.1	79.3	78.9
10°	126.0	121.2	112.3	102.6	94.2	86.9	82.1	78.9	76.9	75.7	75.7
12.5°	145.7	140.1	126.0	111.1	97.4	87.3	80.9	77.7	75.7	75.3	75.7
15°	176.7	167.8	147.3	126.0	105.1	88.1	80.1	78.9	79.7	80.1	80.1
17.5°	212.9	200.8	174.7	142.5	113.5	91.8	83.3	82.5	83.7	84.9	85.7
20°	253.6	237.9	200.0	158.2	119.1	97.0	86.5	84.9	87.7	90.2	89.8
22.5°	305.1	286.2	232.2	170.3	123.2	98.2	87.7	86.1	91.0	93.8	94.6
25°	372.7	345.7	270.1	183.1	125.6	96.6	86.9	87.3	94.6	100.2	101.4
27.5°	446.4	407.3	305.1	193.6	125.6	92.6	85.7	90.6	100.6	107.9	108.7
30°	526.9	472.5	335.7	201.7	122.0	88.5	84.5	92.2	102.2	109.9	110.7
32.5°	612.6	540.2	367.5	204.5	116.7	85.3	83.3	91.0	99.4	106.3	107.9
35°	688.7	600.5	380.0	200.4	109.5	82.9	80.5	86.9	95.4	103.8	104.2
37.5°	768.0	658.1	385.6	189.2	102.2	80.5	78.1	84.1	94.2	104.2	105.5
40°	801.8	673.0	369.5	173.5	95.4	78.9	76.9	83.7	94.6	104.6	106.3
42.5°	836.4	687.5	349.8	150.9	91.0	78.5	78.1	83.7	92.6	100.6	101.8
45°	895.6	719.7	340.9	135.6	88.5	79.7	79.3	82.5	89.0	96.2	98.6
47.5°	980.1	768.4	336.5	126.0	88.5	81.7	80.5	81.3	85.3	91.8	93.8
50°	1088.4	836.0	342.1	120.7	90.6	84.5	82.1	80.9	82.5	89.4	91.8
52.5°	1179.3	900.8	349.0	119.9	93.8	88.1	84.5	80.9	82.1	90.2	93.0
55°	1274.7	962.4	356.6	122.0	97.8	91.0	86.1	81.7	82.5	90.2	93.4
57.5°	1413.2	1067.0	376.3	126.4	101.8	94.2	88.1	82.9	82.1	88.1	90.6
60°	1539.6	1166.8	405.7	134.8	106.7	97.4	90.2	83.7	81.7	85.7	87.3
62.5°	1616.0	1220.8	417.0	142.9	111.5	100.2	91.0	83.7	82.9	86.5	87.7
65°	1694.9	1272.3	421.4	149.3	114.3	101.8	91.0	84.5	84.5	86.9	87.3
67.5°	1692.1	1261.0	411.0	152.5	116.7	102.6	91.0	84.5	85.3	87.7	88.1
70°	1618.0	1196.2	384.8	152.1	116.3	101.4	89.4	84.1	87.3	90.2	90.6
72.5°	1400.7	1028.4	342.5	147.3	112.7	98.2	86.9	83.3	88.1	92.2	92.2
75°	1149.1	837.6	283.0	138.1	108.3	94.2	83.3	80.5	86.5	92.2	92.2
77.5°	905.2	655.7	229.4	126.0	101.8	89.4	78.9	75.7	82.5	87.7	87.3
80°	703.2	497.1	184.3	113.9	94.6	84.1	73.7	70.0	76.1	79.7	78.9
82.5°	539.3	382.8	152.1	102.6	87.3	78.1	68.4	65.2	70.8	73.3	72.4
85°	368.3	274.1	124.8	90.2	78.1	70.8	63.2	60.8	67.2	70.0	69.2
87.5°	243.1	188.4	104.2	79.3	68.8	63.6	57.2	56.3	63.6	66.4	66.0
90°	160.6	131.6	88.5	68.8	60.0	55.5	51.5	51.5	58.0	60.4	58.8
92.5°	105.9	93.4	70.0	58.4	51.1	48.3	45.9	45.5	51.1	51.9	50.7
95°	72.0	65.6	54.7	48.3	43.1	41.5	39.4	40.2	43.9	43.1	41.9
97.5°	51.5	49.9	44.3	39.4	35.8	35.4	34.6	35.0	37.0	35.4	34.6
100°	41.1	39.8	36.6	33.0	30.6	30.2	29.8	30.2	31.4	29.8	29.0
102.5°	33.0	33.0	30.6	27.8	25.8	26.2	26.2	26.2	26.6	24.1	24.1
105°	26.6	26.6	25.8	23.3	22.1	22.1	22.5	22.5	22.5	20.9	20.9
107.5°	21.3	22.1	21.7	19.7	18.9	19.3	19.3	18.9	18.9	18.1	18.1
110°	17.3	18.1	18.1	16.9	16.5	16.9	16.5	16.1	15.7	15.7	15.7



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.5	15.3	15.7	14.9	14.5	14.5	14.1	13.7	13.7	14.1	14.1
115°	12.5	13.3	13.7	12.9	12.9	12.9	12.1	11.7	11.7	12.5	12.5
117.5°	11.3	11.7	12.1	11.7	11.3	11.3	10.9	10.1	10.1	10.9	11.3
120°	10.1	10.5	10.9	10.5	10.1	9.7	9.3	8.9	8.9	10.1	10.1
122.5°	9.3	9.7	9.7	9.3	8.9	8.9	8.5	8.0	8.0	8.9	9.3
125°	8.9	8.9	8.9	8.5	8.0	7.6	7.2	7.2	7.2	8.0	8.0
127.5°	8.5	8.5	8.0	7.6	7.2	6.8	6.8	6.4	6.4	7.2	7.6
130°	8.5	8.5	7.6	7.2	6.8	6.0	6.0	5.6	6.0	6.8	6.8
132.5°	8.0	8.0	7.2	6.8	6.0	5.6	5.2	5.2	5.2	6.0	6.4
135°	7.6	7.2	6.4	6.0	5.2	4.8	4.8	4.8	4.8	5.6	5.6
137.5°	6.8	6.4	5.6	5.2	4.8	4.4	4.0	4.0	4.4	4.8	5.2
140°	5.6	5.6	4.8	4.4	4.0	3.6	3.6	3.6	4.0	4.4	4.4
142.5°	4.8	4.8	4.0	3.6	3.2	2.8	3.2	3.2	3.6	4.0	4.0
145°	4.0	3.6	3.6	2.8	2.8	2.4	2.4	2.8	3.2	3.6	3.6
147.5°	3.2	3.2	2.8	2.4	2.0	2.0	2.0	2.4	2.8	2.8	3.2
150°	2.8	2.8	2.4	2.4	1.6	1.2	1.6	2.4	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	2.0	1.6	0.8	1.2	2.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	1.6	1.2	0.4	1.2	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.4	0.8	1.2	1.2	1.2	1.6
160°	1.2	1.2	1.2	1.2	0.8	0.4	0.8	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	1.2	0.8	0.8	0.8
165°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
167.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
170°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
172.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
175°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
177.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)