

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: P415259

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415259
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-PA1-40-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA 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: 3477 lumens
Efficiency: N/A
Efficacy: 86.9 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 - 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

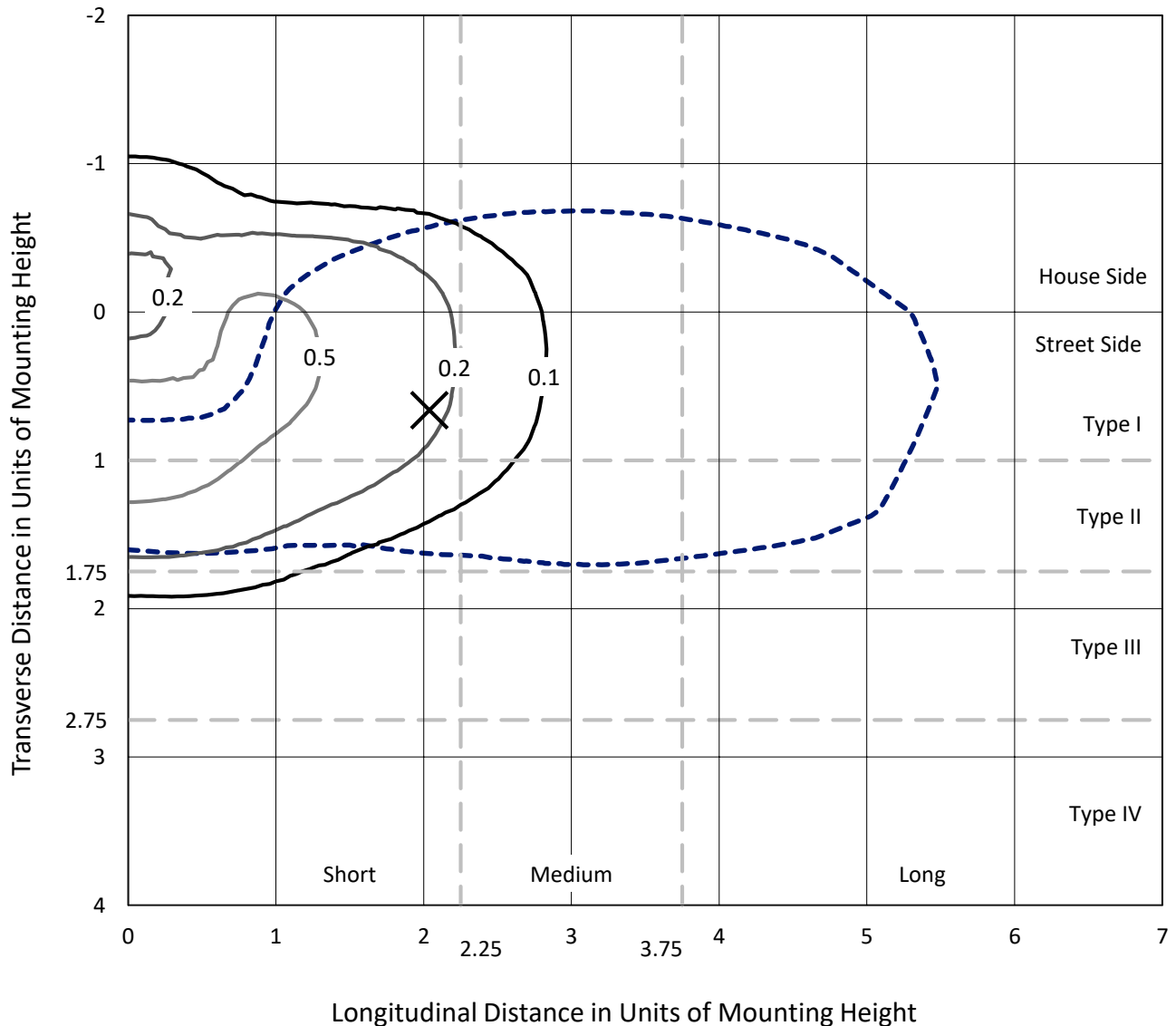


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

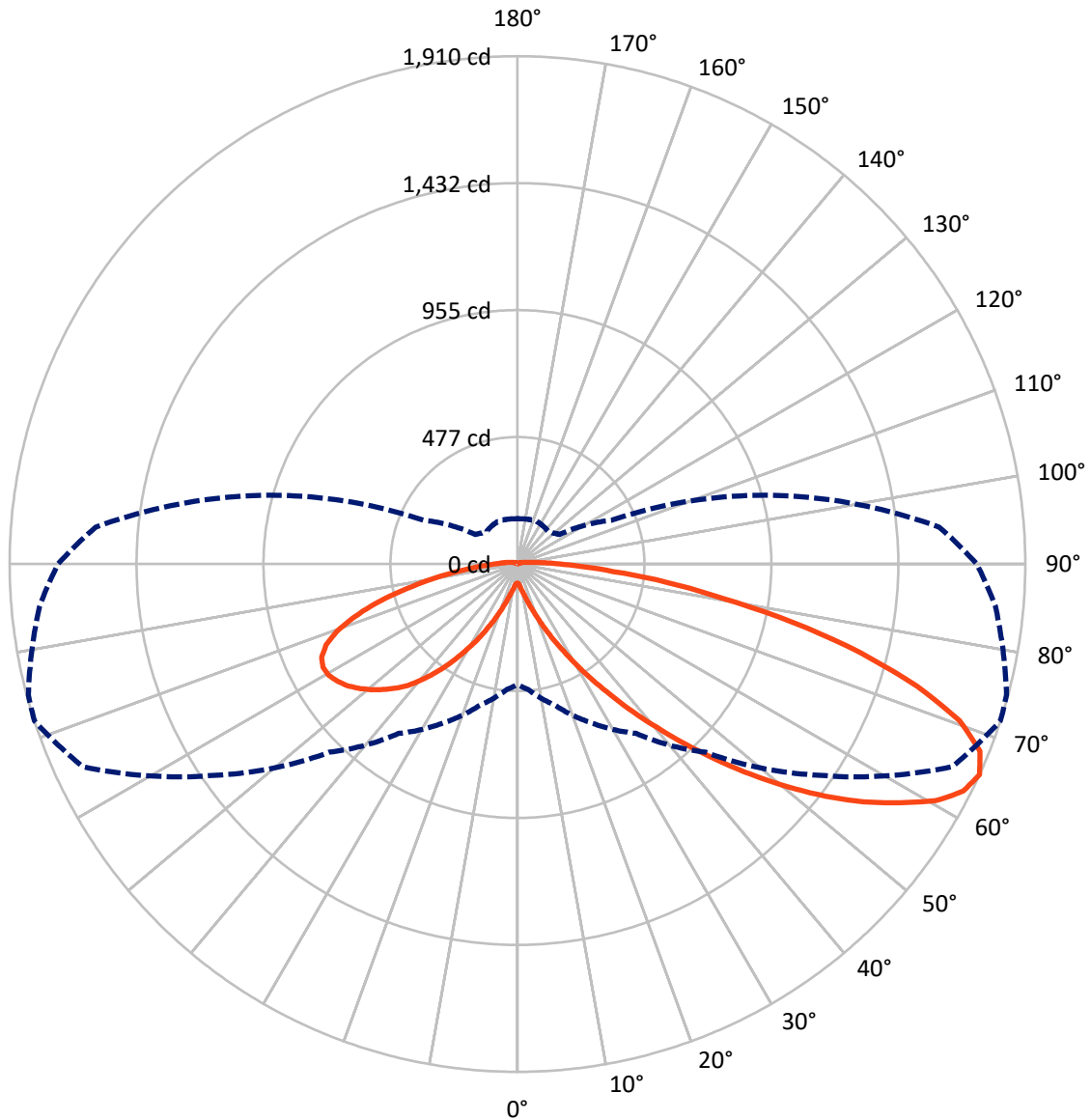


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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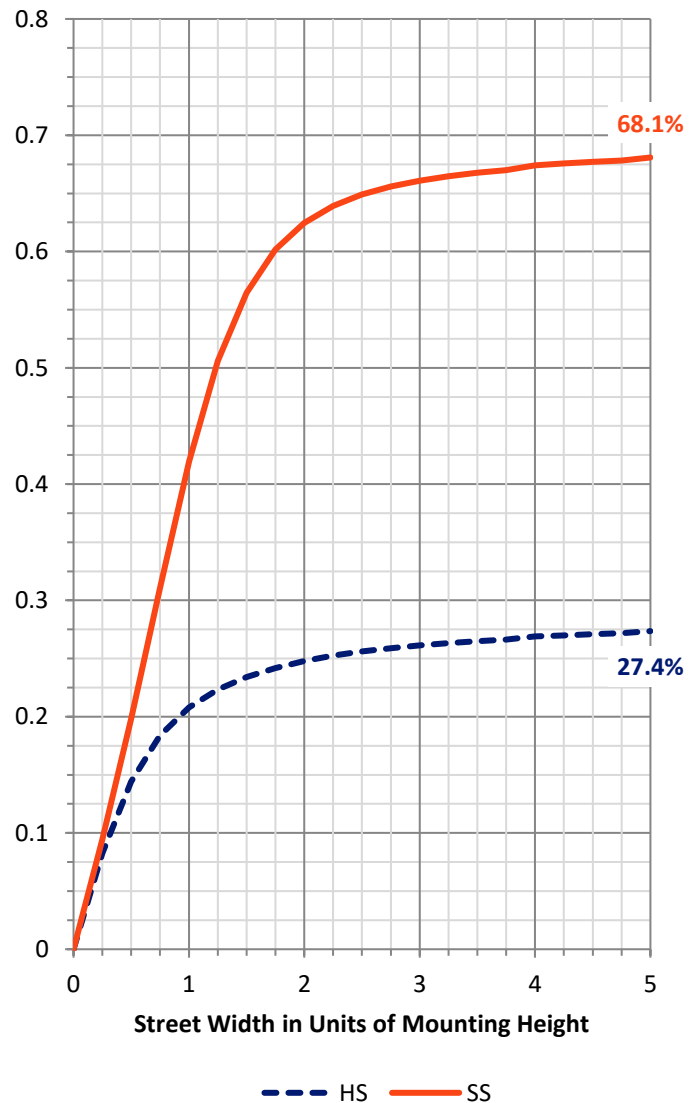
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.3	49.3	1029.6
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2399.3	48.1	2447.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	3379.6	97.4	3477.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	42.1	1.2
20°-30°	133.2	3.8
30°-40°	319.3	9.2
40°-50°	589.5	17.0
50°-60°	803.2	23.1
60°-70°	783.1	22.5
70°-80°	511.4	14.7
80°-90°	189.5	5.4
90°-100°	52.7	1.5
100°-110°	22.1	0.6
110°-120°	11.1	0.3
120°-130°	6.3	0.2
130°-140°	3.5	0.1
140°-150°	1.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3379.6	97.2
0°-180°	3477.0	100.0



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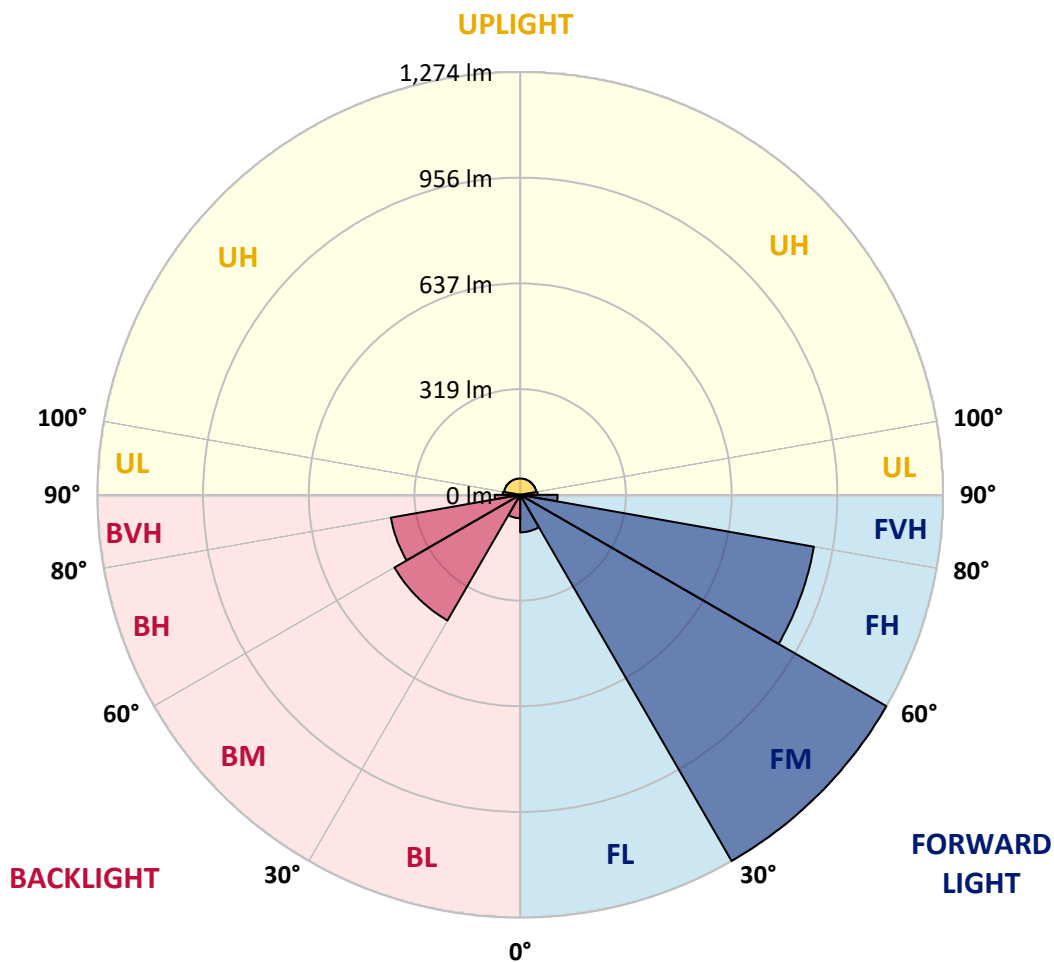
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.0	3.2			
FM (30°-60°)	1274.5	36.7			
FH (60°-80°)	899.0	25.9			G1/1800
FVH (80°-90°)	112.8	3.2			G2/225
BL (0°-30°)	70.6	2.0	B0/110		
BM (30°-60°)	437.5	12.6	B1/1000		
BH (60°-80°)	395.5	11.4	B1/500		G1/500
BVH (80°-90°)	76.7	2.2			G1/100
UL (90°-100°)	52.7	1.5		U3/500	
UH (100°-180°)	49.3	1.4		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
2.5°	80.1	79.7	78.9	78.5	78.5	77.7	76.9	75.7	74.9	74.4	73.6
5°	90.5	89.7	88.9	88.1	87.3	86.1	84.1	82.9	81.3	80.9	79.3
7.5°	105.4	104.6	102.2	101.4	100.2	98.6	96.2	93.8	92.2	90.9	88.5
10°	125.2	124.4	122.7	120.7	118.3	115.1	111.1	108.7	104.6	105.4	101.8
12.5°	152.1	150.1	148.1	144.9	140.0	136.4	130.8	128.4	123.9	123.9	119.5
15°	184.7	184.3	180.3	173.4	169.0	161.4	156.5	151.3	148.5	148.5	144.9
17.5°	227.0	224.2	220.9	211.7	201.6	192.4	185.9	182.3	179.1	178.3	173.4
20°	279.3	275.3	270.4	253.9	241.9	230.6	221.3	218.5	216.1	215.7	211.7
22.5°	345.7	337.2	328.4	312.3	293.0	273.3	266.8	260.4	260.8	261.6	252.3
25°	419.3	416.9	401.2	378.3	352.9	331.2	313.5	311.1	313.5	311.9	308.3
27.5°	513.9	505.9	486.1	456.8	416.5	391.2	372.2	370.6	371.0	373.1	367.0
30°	624.2	620.1	595.2	546.1	494.2	460.4	439.9	437.0	441.9	442.3	433.0
32.5°	754.2	746.1	707.9	653.1	582.3	539.3	515.9	515.1	520.3	521.5	514.3
35°	885.7	881.7	843.9	765.4	687.8	622.6	598.8	600.4	604.0	611.3	602.8
37.5°	1037.5	1026.6	977.9	895.0	796.8	718.7	693.4	699.0	704.7	704.7	693.0
40°	1180.7	1176.7	1125.6	1021.4	903.9	831.4	803.7	806.9	806.5	806.9	791.6
42.5°	1313.5	1299.9	1254.8	1144.1	1023.0	949.3	915.9	921.2	926.0	929.6	891.0
45°	1403.3	1391.6	1351.8	1242.7	1135.7	1066.0	1044.3	1044.3	1049.9	1048.3	1010.1
47.5°	1435.1	1433.5	1403.7	1320.8	1222.6	1168.7	1169.9	1174.3	1182.7	1175.1	1120.4
50°	1420.2	1413.7	1408.5	1362.2	1294.6	1268.9	1293.0	1315.5	1316.3	1302.7	1233.0
52.5°	1326.8	1327.6	1354.2	1345.7	1314.7	1340.9	1414.5	1454.4	1450.8	1437.5	1353.8
55°	1184.8	1191.2	1237.5	1272.9	1291.8	1364.2	1504.7	1587.2	1579.1	1560.6	1475.7
57.5°	995.6	1016.5	1078.5	1155.8	1223.4	1342.5	1553.8	1702.3	1693.8	1693.8	1597.2
60°	794.4	811.3	902.7	996.8	1103.5	1269.3	1558.6	1786.8	1807.3	1794.4	1683.4
62.5°	616.1	623.4	717.9	836.7	950.9	1146.1	1503.1	1827.0	1881.4	1870.5	1760.6
65°	453.5	474.1	550.5	659.2	777.5	1000.8	1384.4	1803.3	1909.5	1903.9	1803.3
67.5°	337.2	346.5	410.5	511.1	628.2	820.2	1211.3	1699.5	1875.7	1880.6	1796.9
70°	252.7	255.1	305.0	387.9	487.7	647.1	1009.7	1533.7	1763.4	1785.2	1739.3
72.5°	191.2	195.6	237.0	302.2	376.3	498.2	798.0	1308.3	1571.9	1625.8	1608.5
75°	149.7	154.9	183.5	233.8	291.0	377.1	604.0	1041.9	1331.6	1401.3	1420.6
77.5°	118.3	123.9	148.1	186.7	227.0	291.0	443.9	779.5	1063.6	1133.2	1189.6
80°	93.0	97.0	118.3	146.9	178.7	214.9	311.1	566.6	781.1	868.0	919.6
82.5°	70.8	75.3	91.8	115.9	140.0	164.2	222.1	385.5	566.6	606.1	693.8
85°	51.5	55.5	69.2	88.9	107.9	127.2	162.6	257.2	361.0	408.1	452.3
87.5°	37.8	39.4	51.5	66.0	82.9	96.2	117.1	164.2	229.4	252.7	289.7
90°	26.6	28.2	37.8	48.7	62.8	75.3	86.1	108.7	142.9	163.8	170.6
92.5°	19.7	20.9	28.2	36.6	48.3	58.4	65.2	76.9	93.0	101.8	107.4
95°	14.9	16.1	22.1	29.0	37.4	45.9	51.1	55.5	64.8	67.2	72.0
97.5°	12.1	12.9	18.1	23.7	30.2	37.8	40.6	43.1	46.3	48.7	50.7
100°	10.5	10.9	15.3	20.1	25.8	30.6	33.0	34.2	36.2	37.0	37.8
102.5°	9.3	9.3	13.3	17.3	22.1	25.8	27.8	27.8	28.2	28.6	28.2
105°	8.0	8.5	11.7	15.3	18.9	22.1	23.7	22.9	22.5	22.1	20.9
107.5°	7.6	7.6	10.5	13.7	16.9	19.3	20.5	18.9	18.1	17.3	16.1
110°	6.8	7.2	9.3	12.1	14.9	16.9	17.7	16.1	14.5	13.7	12.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.4	6.8	8.5	10.9	13.3	15.3	15.3	13.7	11.7	10.9	10.1
115°	6.4	6.4	7.6	9.7	12.1	13.7	13.7	11.7	9.7	8.9	8.5
117.5°	6.4	6.4	7.2	8.9	10.9	12.1	12.1	10.1	8.0	7.2	7.2
120°	6.0	6.0	6.8	8.0	10.1	10.9	10.5	8.9	6.8	6.4	6.4
122.5°	6.0	6.0	6.4	7.6	9.3	10.1	9.7	7.6	6.0	5.2	5.6
125°	6.4	6.0	6.4	7.2	8.5	8.9	8.5	6.4	5.2	4.8	5.2
127.5°	6.4	6.4	6.0	6.8	7.6	8.0	7.6	5.6	4.4	4.4	4.8
130°	6.4	6.4	6.0	6.4	6.8	7.2	6.4	4.8	4.0	4.0	4.4
132.5°	6.4	6.4	6.0	6.0	6.4	6.4	5.6	4.0	3.6	3.6	4.0
135°	6.4	6.4	5.6	5.6	5.6	5.6	4.8	3.6	3.2	3.2	3.6
137.5°	6.0	6.0	5.6	5.2	5.2	4.8	4.0	2.8	2.4	2.8	3.2
140°	5.6	5.6	5.2	4.4	4.4	4.0	3.2	2.4	2.0	2.4	2.4
142.5°	5.2	5.2	4.8	4.0	3.6	3.2	2.8	1.6	1.6	1.6	2.0
145°	4.8	4.8	4.4	3.2	2.8	2.4	2.0	1.2	1.2	1.2	1.6
147.5°	4.0	4.0	3.6	2.8	2.0	2.0	1.2	0.8	1.2	1.2	1.2
150°	3.2	3.2	2.8	2.0	1.6	1.2	0.4	0.8	0.8	0.8	1.2
152.5°	2.8	2.8	2.0	1.6	0.8	0.4	0.4	0.4	0.8	0.8	0.8
155°	2.0	2.0	1.6	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	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°	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
2.5°	72.8	72.8	72.4	72.0	71.6	71.2	70.4	70.0	70.0	69.6	69.6
5°	78.5	78.1	76.9	75.7	74.0	73.2	72.0	71.2	70.8	70.4	70.4
7.5°	87.3	86.5	84.1	82.1	80.1	78.5	76.5	75.3	74.9	73.6	74.0
10°	99.8	98.6	95.8	92.2	88.5	86.1	83.3	81.7	80.9	80.1	79.3
12.5°	117.9	115.5	110.7	105.8	100.6	95.8	93.0	91.8	92.6	92.2	92.6
15°	142.9	138.4	131.2	123.9	114.7	108.7	107.9	107.4	107.4	107.9	108.7
17.5°	171.0	166.2	156.9	143.7	132.8	126.8	123.1	122.7	124.8	125.2	124.8
20°	208.1	203.2	188.7	170.6	154.9	145.3	140.4	140.4	143.3	144.1	145.7
22.5°	247.9	245.1	225.4	200.4	179.5	163.8	156.9	157.8	161.8	163.0	163.8
25°	303.4	292.2	268.0	233.8	203.6	182.7	173.4	173.8	178.3	181.5	182.7
27.5°	364.6	351.7	316.3	271.6	227.8	198.4	187.9	188.3	193.6	197.6	198.4
30°	430.2	417.3	371.0	309.1	250.3	212.5	198.4	198.8	204.8	209.3	210.1
32.5°	500.2	489.8	425.0	349.3	270.0	222.1	205.2	205.6	210.9	214.9	215.7
35°	588.8	565.0	489.0	385.1	286.5	228.2	208.5	208.1	213.3	217.3	218.1
37.5°	676.1	650.7	549.7	418.5	296.2	229.8	207.7	207.7	211.7	214.9	215.3
40°	771.1	728.8	613.7	444.7	299.8	227.4	205.2	204.8	208.1	209.7	210.1
42.5°	873.3	821.4	676.5	465.6	298.2	222.1	200.8	201.2	202.4	202.4	202.0
45°	965.4	912.7	730.4	479.3	292.6	215.3	195.6	196.0	196.4	193.2	193.2
47.5°	1073.7	1009.7	781.1	482.5	281.3	208.5	191.6	192.4	190.3	185.9	185.1
50°	1176.3	1105.1	832.2	481.3	269.6	201.2	187.5	188.3	184.7	178.7	177.5
52.5°	1290.6	1199.2	880.5	475.3	255.5	194.8	184.7	185.5	181.5	174.3	173.0
55°	1403.3	1299.0	924.8	464.8	243.5	187.9	181.9	183.9	178.7	171.4	171.0
57.5°	1510.7	1398.0	961.4	449.5	230.6	183.1	179.9	182.3	177.5	170.2	169.8
60°	1606.5	1482.2	990.8	434.6	216.5	178.3	177.9	181.1	176.7	170.6	170.2
62.5°	1673.7	1557.8	1004.1	414.5	205.2	173.0	175.5	178.7	175.5	170.6	170.6
65°	1727.2	1591.6	998.8	387.9	193.2	167.4	172.2	175.5	173.4	170.2	170.6
67.5°	1717.2	1590.8	964.6	356.2	181.9	161.4	166.6	171.0	169.4	168.2	167.8
70°	1655.2	1515.6	899.0	321.5	170.2	153.7	159.8	164.2	163.8	163.4	163.4
72.5°	1527.6	1385.2	800.8	281.7	158.2	145.7	150.9	154.9	155.7	155.3	154.1
75°	1361.0	1205.7	686.9	244.3	145.7	136.0	141.7	144.1	145.3	144.5	144.5
77.5°	1116.7	1005.3	546.1	206.4	132.4	125.2	129.2	131.2	132.8	130.8	129.6
80°	887.4	764.6	420.1	168.6	117.9	113.1	115.1	115.9	117.5	115.5	113.1
82.5°	623.0	544.9	304.6	137.6	103.4	99.4	100.6	100.2	101.0	98.2	95.0
85°	416.1	366.2	209.7	110.7	88.5	84.9	84.9	83.7	82.9	80.1	77.7
87.5°	261.2	231.8	144.1	87.3	74.4	71.6	70.0	67.6	66.8	64.8	62.0
90°	161.0	148.1	100.6	70.0	62.0	59.6	57.9	54.3	53.9	50.7	48.7
92.5°	105.4	96.6	74.4	56.7	51.9	49.5	47.5	44.3	43.9	41.5	40.2
95°	69.6	67.6	56.7	47.5	43.9	41.9	39.8	37.0	36.2	33.8	32.2
97.5°	51.1	51.1	46.7	40.2	37.4	35.4	34.2	31.8	30.2	27.8	27.0
100°	38.6	39.0	37.4	34.6	32.2	30.2	29.0	27.0	25.8	23.3	22.9
102.5°	29.8	30.6	31.0	29.4	27.8	26.2	25.0	23.3	21.7	19.3	18.9
105°	22.9	23.7	25.4	25.0	24.1	22.9	21.7	20.1	18.1	16.1	16.1
107.5°	17.7	18.5	20.9	21.3	20.9	19.7	18.9	17.3	15.7	13.7	13.7
110°	13.7	14.9	17.3	18.1	18.1	17.3	16.5	14.9	12.9	11.7	11.7



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	12.5	14.5	15.7	15.7	15.3	14.1	12.5	10.9	10.1	10.1
115°	9.3	10.5	12.5	13.7	13.7	13.3	12.5	10.9	9.3	8.9	8.9
117.5°	8.0	8.9	10.5	11.7	12.1	11.7	10.9	9.3	8.0	8.0	8.0
120°	7.2	8.0	9.3	10.1	10.5	10.1	9.3	8.0	6.8	7.2	7.2
122.5°	6.4	6.8	8.0	9.3	9.3	9.3	8.5	6.8	6.0	6.4	6.4
125°	5.6	6.4	7.2	8.0	8.5	8.0	7.2	6.0	5.2	5.6	6.0
127.5°	5.2	5.6	6.4	7.2	7.2	7.2	6.4	5.2	4.8	5.2	5.2
130°	4.8	5.2	5.6	6.4	6.4	6.4	5.6	4.4	4.4	4.8	4.8
132.5°	4.4	4.8	5.2	5.6	5.6	5.6	4.8	4.0	3.6	4.4	4.4
135°	4.0	4.0	4.4	4.8	4.8	4.8	4.0	3.2	3.2	4.0	4.0
137.5°	3.2	3.6	4.0	4.0	4.0	4.0	3.2	2.8	2.8	3.2	3.2
140°	2.8	2.8	3.2	3.2	3.2	3.2	2.8	2.0	2.4	2.8	2.8
142.5°	2.4	2.4	2.8	2.8	2.8	2.4	2.0	1.6	2.0	2.4	2.4
145°	1.6	2.0	2.0	2.0	2.0	1.6	1.2	1.2	1.6	2.0	2.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.2	0.8	0.8	1.2	1.6	1.6
150°	1.2	1.2	1.6	1.6	1.2	0.8	0.4	0.4	0.8	1.2	1.2
152.5°	0.8	0.8	1.2	1.2	0.8	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.8	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.4	0.4	0.4	0.4	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)