

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: P414578

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3193 lumens
Efficiency: N/A
Efficacy: 103.0 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 - U2 - G1

Input Watts (W): 31
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

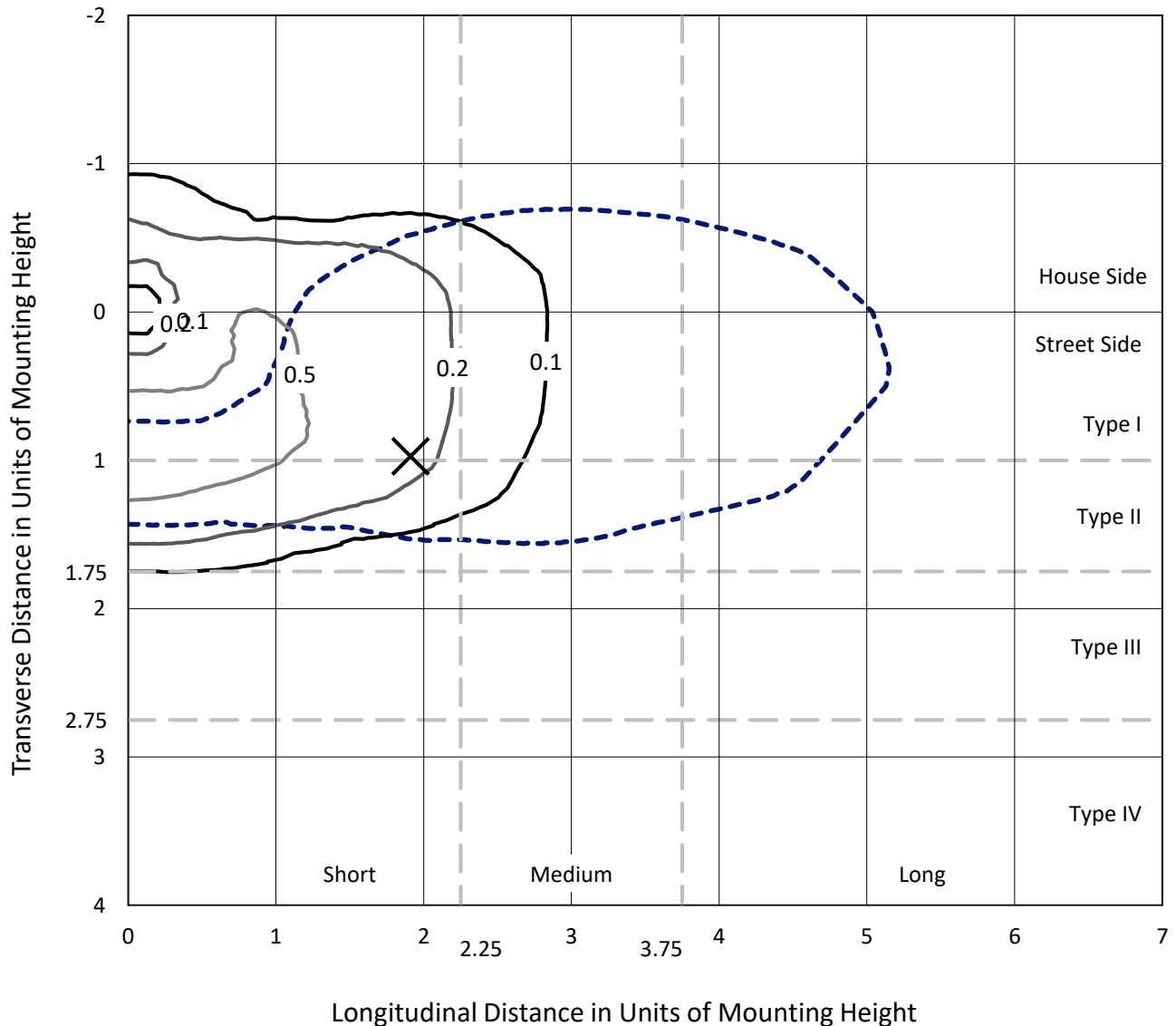


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

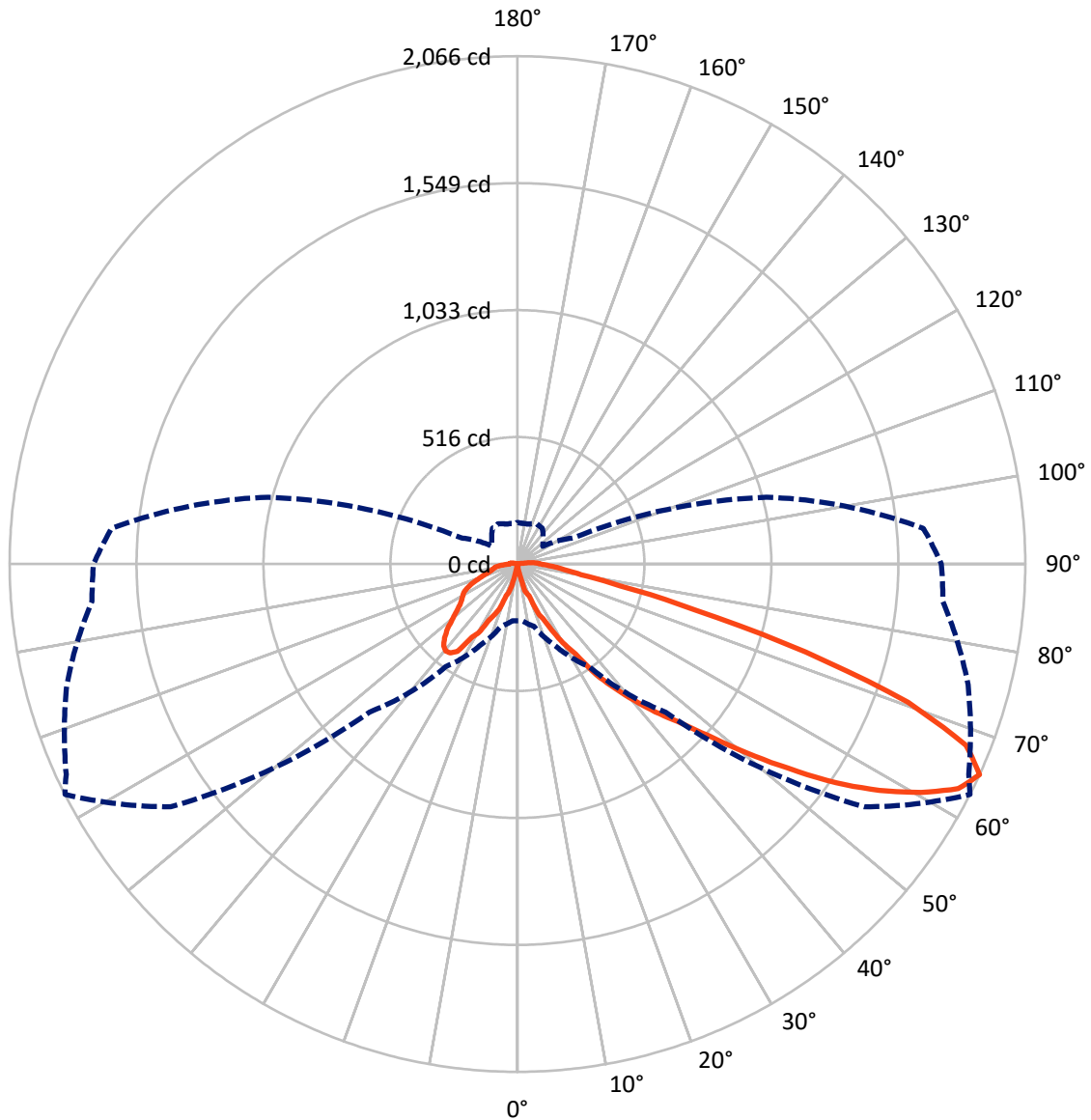


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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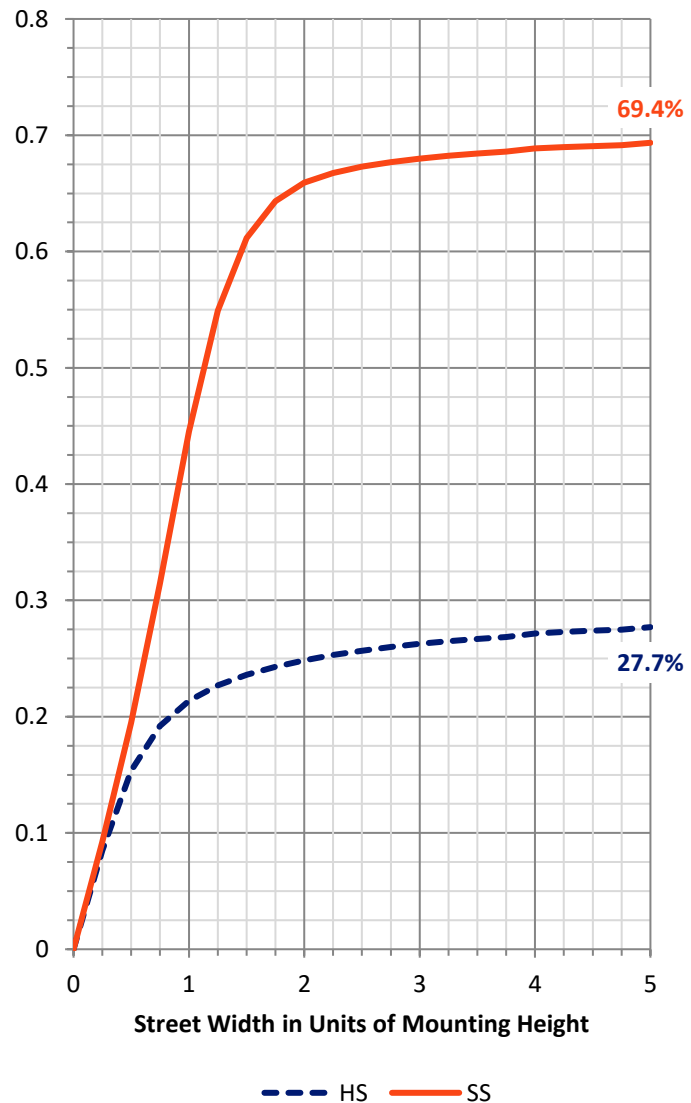
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.7	26.4	935.1
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	2233.4	24.6	2257.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	3142.1	51.0	3193.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	28.7	0.9
20°-30°	117.3	3.7
30°-40°	304.8	9.5
40°-50°	579.6	18.2
50°-60°	780.2	24.4
60°-70°	739.1	23.1
70°-80°	463.2	14.5
80°-90°	127.2	4.0
90°-100°	35.6	1.1
100°-110°	6.6	0.2
110°-120°	3.2	0.1
120°-130°	2.3	0.1
130°-140°	1.5	0.0
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3142.1	98.4
0°-180°	3193.0	100.0



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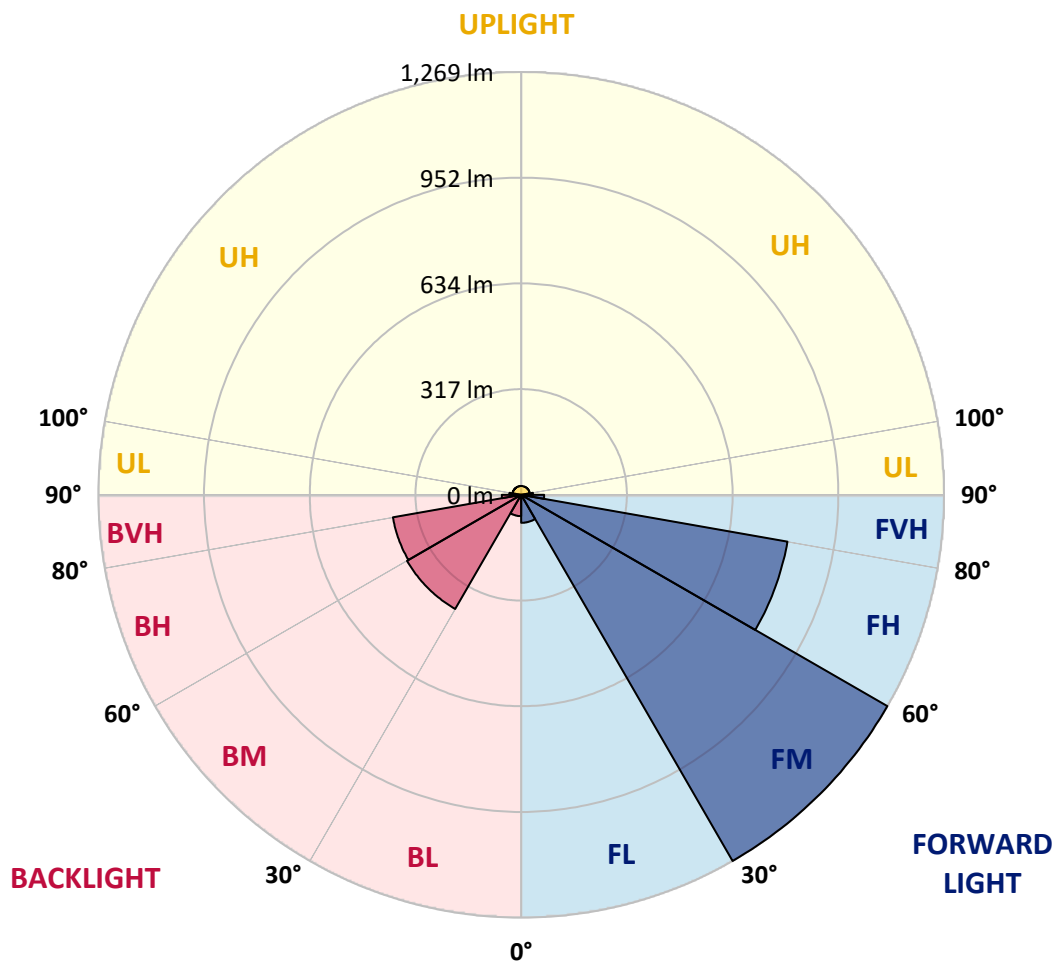
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.0	2.6			
FM (30°-60°)	1268.9	39.7			
FH (60°-80°)	811.4	25.4			G1/1800
FVH (80°-90°)	69.0	2.2			G1/100
BL (0°-30°)	64.0	2.0	B0/110		
BM (30°-60°)	395.6	12.4	B1/1000		
BH (60°-80°)	390.9	12.2	B1/500		G1/500
BVH (80°-90°)	58.2	1.8			G1/100
UL (90°-100°)	35.6	1.1		U2/50	
UH (100°-180°)	26.4	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	3.9	4.2	4.2	3.9	3.5	3.2	2.8	2.5	1.8	1.4
5°	49.9	50.2	49.5	48.4	17.3	7.8	4.6	3.5	3.2	2.1	1.8
7.5°	57.3	56.9	56.6	55.9	53.4	50.2	27.2	6.4	5.0	2.8	1.8
10°	62.9	62.2	60.5	60.1	57.6	55.9	51.6	33.2	27.9	5.0	3.5
12.5°	114.6	112.1	110.0	90.9	63.7	60.1	57.6	50.2	49.2	31.5	47.0
15°	119.9	120.2	118.8	116.7	111.7	75.0	93.4	113.2	112.8	97.6	96.2
17.5°	136.2	135.1	129.8	124.5	122.7	133.3	132.3	126.2	126.2	111.7	105.7
20°	210.4	208.6	205.5	171.2	152.4	172.2	161.6	140.7	141.5	172.6	187.4
22.5°	243.7	242.9	236.6	221.4	215.7	189.9	212.9	220.3	216.1	218.5	209.4
25°	333.5	329.9	302.0	275.1	278.3	256.4	256.0	251.4	249.0	238.0	254.6
27.5°	424.4	421.5	415.2	377.3	321.5	309.1	289.3	315.8	308.7	334.2	339.8
30°	562.3	536.5	482.7	457.3	438.9	379.8	374.1	382.3	380.2	373.1	366.7
32.5°	705.9	695.2	663.8	570.8	512.4	478.5	461.8	436.7	425.1	501.1	506.4
35°	855.8	845.9	768.8	714.7	614.6	559.5	550.3	553.8	538.2	575.4	566.5
37.5°	1119.6	1114.7	1037.2	869.2	764.6	656.7	644.0	639.7	615.3	642.2	642.6
40°	1289.0	1280.9	1195.3	1071.5	902.8	813.0	751.1	726.7	720.4	721.8	722.1
42.5°	1414.9	1401.8	1352.0	1238.1	1062.0	956.6	869.2	822.2	834.9	810.2	808.8
45°	1496.6	1489.5	1444.3	1349.1	1227.1	1174.8	1020.2	914.2	956.9	912.7	910.6
47.5°	1515.0	1511.8	1480.3	1432.6	1381.7	1359.7	1202.4	1040.0	1079.3	1059.8	1020.2
50°	1435.1	1437.9	1426.2	1443.5	1499.1	1524.2	1394.4	1207.0	1228.5	1182.2	1131.6
52.5°	1260.4	1260.0	1302.4	1379.2	1542.2	1642.6	1572.3	1380.6	1379.5	1295.7	1238.4
55°	1011.8	1030.9	1102.6	1221.8	1483.2	1697.1	1741.0	1571.6	1541.9	1428.3	1333.6
57.5°	770.9	795.7	883.7	992.0	1315.2	1658.6	1863.7	1737.4	1706.6	1547.9	1434.3
60°	521.6	531.2	642.2	767.4	1046.1	1510.4	1921.3	1887.0	1853.1	1669.9	1536.2
62.5°	347.6	356.1	419.8	572.2	750.1	1227.5	1884.2	2013.3	1968.3	1814.2	1642.6
65°	231.3	231.3	262.8	368.1	510.3	852.3	1721.5	2065.9	2025.3	1897.6	1737.1
67.5°	170.5	173.3	183.5	237.3	347.6	509.9	1369.3	1968.7	1972.9	1907.2	1767.1
70°	154.5	156.3	165.1	178.9	248.3	303.4	905.0	1686.5	1759.7	1835.0	1728.6
72.5°	135.1	135.8	149.9	164.8	195.6	232.7	526.2	1225.7	1379.5	1678.0	1622.5
75°	113.2	114.2	125.5	147.8	169.0	195.2	280.1	746.2	899.3	1440.7	1482.1
77.5°	91.9	94.4	103.6	120.9	155.2	163.7	215.0	426.5	520.9	1072.9	1252.9
80°	70.7	73.2	81.3	95.1	127.0	144.6	178.6	262.4	315.8	667.0	875.6
82.5°	48.4	50.2	58.4	68.6	90.9	120.6	147.8	193.4	209.0	365.0	483.1
85°	34.3	35.4	40.7	45.3	56.6	79.2	123.4	153.5	157.7	193.4	196.6
87.5°	19.5	19.1	19.8	23.0	25.8	30.8	72.8	112.5	117.8	134.7	125.2
90°	13.4	13.1	11.0	10.6	12.0	13.1	41.4	89.5	94.1	108.6	111.4
92.5°	14.1	13.4	10.6	9.9	11.3	12.0	27.6	78.2	88.1	108.6	114.6
95°	13.4	12.7	9.5	8.5	10.3	10.6	17.0	53.8	69.3	101.5	112.1
97.5°	11.7	11.0	7.8	7.1	8.5	8.5	9.5	24.8	33.9	47.4	53.4
100°	9.5	8.8	6.4	5.7	6.0	6.4	6.0	12.4	12.4	13.1	10.3
102.5°	8.5	8.1	5.3	4.6	4.2	4.2	3.9	6.0	6.4	7.1	8.8
105°	7.4	7.1	4.6	3.9	3.2	3.2	2.8	3.9	4.2	6.0	8.5
107.5°	5.3	5.3	3.9	3.2	2.8	2.8	2.1	3.2	3.5	5.3	8.8
110°	3.5	3.5	2.8	2.8	2.5	2.8	2.1	3.2	3.2	4.2	6.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	2.8	2.8	2.5	2.1	1.8	2.1	2.5	2.8	2.8	3.2	4.2
115°	2.8	2.5	2.1	1.8	1.4	1.8	1.8	2.5	2.5	3.2	4.2
117.5°	2.8	2.8	2.1	1.8	1.4	1.4	1.8	2.1	2.1	3.2	4.6
120°	2.8	2.8	2.1	1.8	1.4	1.1	1.4	2.1	2.1	2.8	4.2
122.5°	2.8	2.8	2.1	1.8	1.4	1.1	1.4	1.8	1.8	2.5	4.2
125°	3.2	3.2	2.5	1.8	1.4	1.1	1.4	1.4	1.4	2.5	3.9
127.5°	3.2	3.2	2.5	1.8	1.4	1.1	1.4	1.4	1.4	2.1	3.2
130°	3.2	3.2	2.5	1.8	1.4	1.1	1.4	1.1	1.1	1.8	2.8
132.5°	3.2	2.8	2.5	2.1	1.8	1.4	1.4	1.1	1.1	1.1	2.1
135°	2.8	2.8	2.5	2.1	1.8	1.4	1.4	1.1	1.1	1.1	1.4
137.5°	2.8	2.8	2.8	2.5	2.1	1.8	1.4	1.1	1.1	1.1	1.1
140°	3.2	3.2	3.2	2.8	2.1	1.8	1.4	1.1	1.1	1.1	1.1
142.5°	3.5	3.5	3.5	3.2	2.1	1.8	1.8	1.1	1.1	1.1	1.1
145°	3.9	3.9	3.9	3.2	2.1	1.8	1.8	1.4	1.4	1.1	1.4
147.5°	4.2	4.2	3.9	3.2	1.8	1.4	1.4	1.4	1.4	1.4	1.4
150°	3.9	3.5	3.5	2.5	1.4	0.7	1.1	1.1	1.1	1.4	1.4
152.5°	2.8	2.8	2.5	1.8	1.1	0.4	0.7	0.7	1.1	1.1	1.1
155°	1.8	1.8	1.4	1.1	0.7	0.4	0.4	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	1.4	1.4	1.8	2.1	2.1	2.5	2.5	2.5	2.5	2.5	2.5
5°	1.4	1.4	1.8	2.1	2.5	2.8	3.2	3.2	3.2	3.5	3.5
7.5°	1.8	1.8	1.8	2.5	2.8	3.9	10.6	31.8	49.2	50.6	51.3
10°	3.5	3.5	3.5	3.5	7.8	45.3	56.2	58.7	60.1	61.2	61.2
12.5°	47.4	47.0	17.0	8.5	38.9	58.7	62.2	64.0	65.4	66.5	66.8
15°	96.2	96.5	96.5	97.6	70.7	64.0	67.5	99.7	118.1	121.7	123.1
17.5°	105.4	105.4	105.0	117.1	131.6	104.0	116.0	126.6	130.1	131.9	132.6
20°	192.4	192.0	154.9	134.4	139.0	172.6	129.8	134.7	137.6	164.1	164.8
22.5°	212.2	211.1	206.5	207.6	163.7	186.7	177.9	172.6	189.2	188.5	189.2
25°	260.6	235.2	225.3	223.1	237.3	194.1	206.2	178.6	182.8	182.1	182.8
27.5°	341.3	332.1	309.1	261.3	252.9	239.8	206.5	187.4	210.8	216.1	216.8
30°	366.0	354.3	329.9	332.1	281.8	244.0	201.2	207.6	199.5	198.7	197.3
32.5°	501.8	486.6	449.8	362.1	314.0	229.2	202.3	188.8	193.1	207.2	207.9
35°	559.1	541.8	516.0	462.2	304.5	224.9	185.0	184.2	187.1	187.4	186.7
37.5°	624.2	601.5	577.1	487.0	317.9	203.7	172.6	172.9	179.3	191.7	190.3
40°	699.8	674.7	635.1	501.5	285.4	191.0	164.4	169.7	176.5	173.6	171.2
42.5°	785.1	744.1	681.8	498.6	248.3	176.1	162.3	165.9	164.8	159.5	158.1
45°	873.1	829.6	727.4	474.9	214.7	166.6	158.4	159.5	155.2	148.5	147.1
47.5°	974.6	917.3	753.2	440.3	187.8	165.9	157.4	153.8	145.7	139.7	139.3
50°	1076.8	1014.2	793.6	394.0	167.6	163.0	159.8	152.4	142.5	136.5	135.8
52.5°	1176.9	1122.1	837.1	355.1	152.4	159.8	160.9	153.1	142.5	133.7	133.3
55°	1277.3	1229.2	884.1	324.3	142.2	159.5	164.8	155.2	144.6	131.6	131.2
57.5°	1378.1	1331.4	929.4	303.8	137.6	154.9	167.3	162.0	150.3	139.3	140.0
60°	1497.7	1442.5	982.8	289.3	135.8	152.4	169.4	169.7	153.8	141.5	143.2
62.5°	1615.1	1559.2	1028.0	275.8	131.2	149.9	170.5	175.8	161.6	151.0	152.8
65°	1724.3	1657.8	1048.9	250.0	125.5	147.1	176.8	181.1	167.6	166.6	168.7
67.5°	1766.1	1704.2	1028.4	217.8	122.0	147.1	183.5	188.5	174.0	179.6	185.3
70°	1725.7	1674.1	976.7	177.5	123.1	148.2	184.6	192.0	183.2	187.8	192.7
72.5°	1600.6	1534.8	851.2	142.9	123.1	146.8	180.0	186.4	179.6	194.9	199.8
75°	1442.5	1327.9	677.6	117.8	119.5	146.1	169.4	176.8	170.1	186.0	191.3
77.5°	1191.4	1044.6	468.6	104.0	114.6	139.7	158.4	159.8	153.1	162.7	165.1
80°	840.2	704.1	296.7	94.1	109.6	126.2	140.4	137.9	131.2	133.0	135.1
82.5°	468.6	372.4	172.9	86.6	102.9	105.0	114.9	115.6	106.8	107.2	107.5
85°	186.0	172.2	117.1	72.8	83.1	75.7	85.9	89.5	81.0	71.1	69.0
87.5°	123.4	117.1	81.7	49.9	50.9	42.8	55.9	58.0	47.7	41.4	41.0
90°	117.4	113.9	70.4	33.6	28.3	23.3	31.1	30.1	23.0	20.2	20.5
92.5°	120.9	118.8	71.4	32.2	27.6	22.3	27.6	23.7	17.3	15.2	15.6
95°	119.2	118.1	69.7	31.5	26.2	20.5	23.3	19.1	13.4	12.0	12.0
97.5°	56.6	59.8	43.1	28.3	23.3	17.3	18.0	14.5	9.5	8.8	8.5
100°	8.5	13.4	23.3	26.2	17.3	12.0	11.7	9.5	6.0	5.7	5.7
102.5°	8.8	9.5	14.5	18.0	9.5	6.4	6.4	5.7	4.6	5.3	5.3
105°	9.5	8.8	8.5	9.9	5.7	3.9	3.5	3.5	3.9	5.7	6.0
107.5°	10.3	9.5	6.7	5.3	4.2	3.5	2.8	2.5	3.5	6.0	6.4
110°	7.8	7.4	5.7	4.2	4.2	3.9	2.5	2.5	3.9	6.4	7.1



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	5.3	5.0	3.9	3.5	3.5	2.5	2.5	3.9	6.7	7.4
115°	5.0	5.0	4.2	3.2	2.8	2.8	2.5	2.1	3.9	7.1	7.4
117.5°	5.0	5.0	4.2	3.2	2.5	2.1	2.1	2.1	3.9	7.1	7.4
120°	5.0	5.0	4.2	2.8	2.5	2.1	2.1	2.1	3.9	6.7	7.4
122.5°	4.6	4.6	3.9	2.8	2.1	2.1	2.1	2.1	3.9	6.4	6.7
125°	4.2	4.2	3.5	2.5	2.1	1.8	2.1	2.1	3.5	5.7	6.0
127.5°	3.5	3.9	3.2	2.5	2.1	1.8	2.1	2.1	3.2	5.0	5.3
130°	3.2	3.2	2.8	2.1	1.8	1.8	2.1	2.1	3.2	4.6	5.0
132.5°	2.5	2.5	2.1	2.1	1.8	1.8	1.8	1.8	2.5	3.9	3.9
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.8	3.2
137.5°	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5	2.5
140°	1.1	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.1
142.5°	1.1	1.4	1.4	1.8	1.8	1.8	1.8	1.8	2.1	2.5	2.5
145°	1.4	1.4	1.8	1.8	1.8	1.4	1.8	1.8	2.1	2.5	2.5
147.5°	1.4	1.4	1.8	1.8	1.8	1.4	1.4	1.8	2.1	2.5	2.5
150°	1.4	1.4	1.8	1.8	1.4	1.1	1.4	1.4	1.8	2.5	2.5
152.5°	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.1	1.4	1.8	1.8
155°	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.4
157.5°	0.7	0.7	0.7	1.1	0.7	0.7	0.4	0.4	0.4	0.7	0.7
160°	0.4	0.4	0.7	0.7	0.7	0.7	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

(END OF REPORT)