

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: P415675

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415675
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-PA1-50-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4485 lumens
Efficiency: N/A
Efficacy: 83.1 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: B2 - U3 - G2

Input Watts (W): 54
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

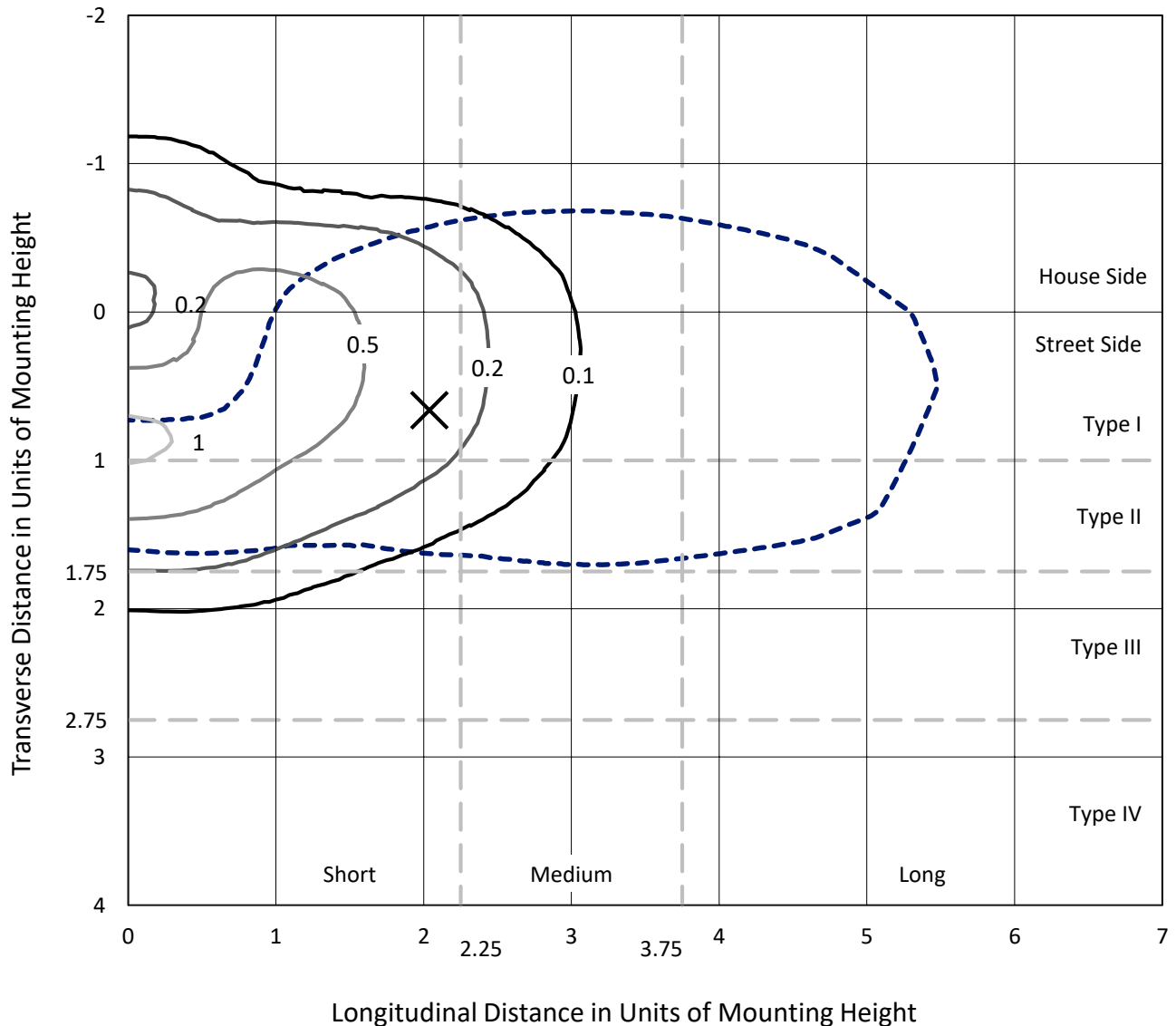


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

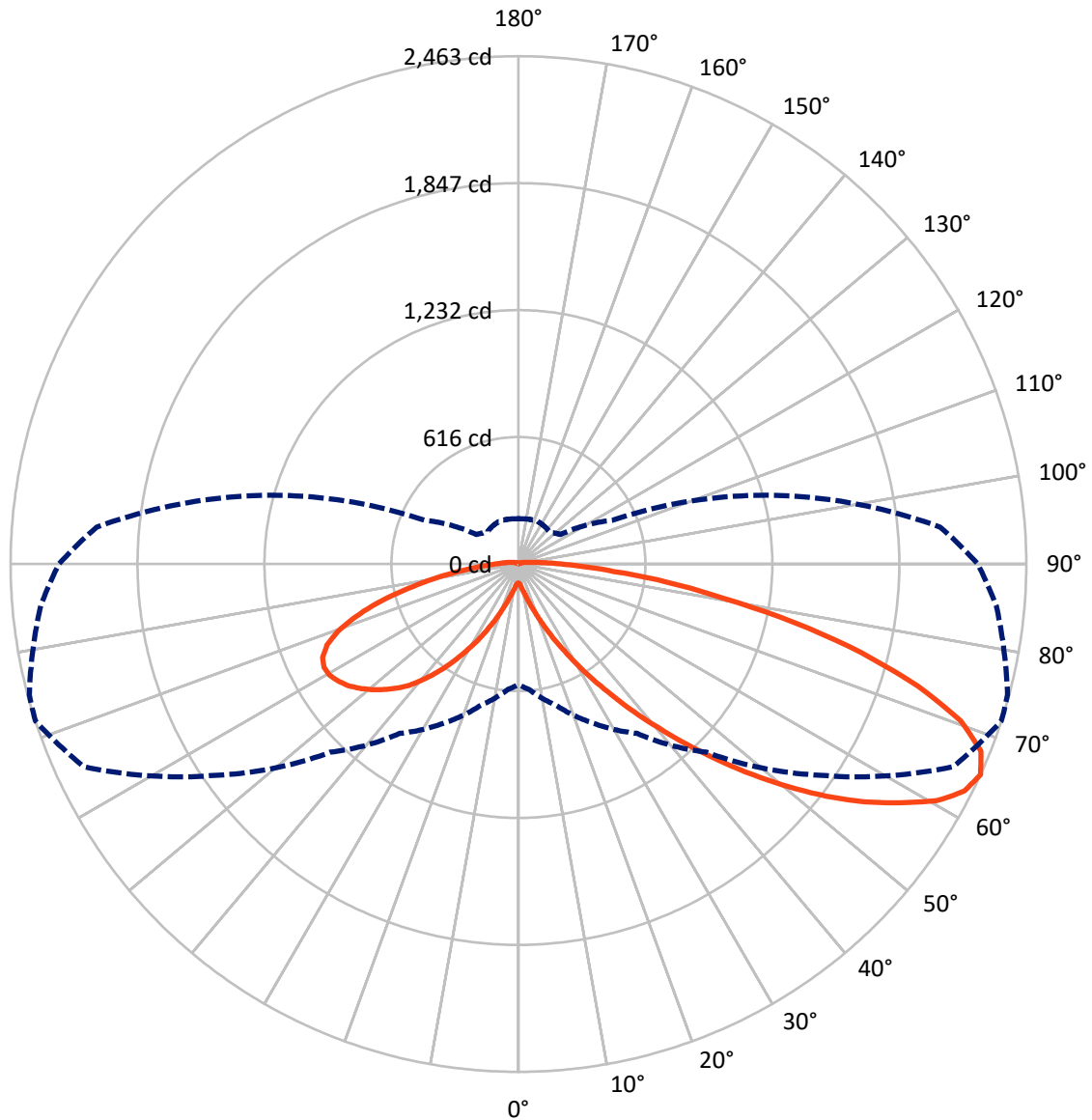


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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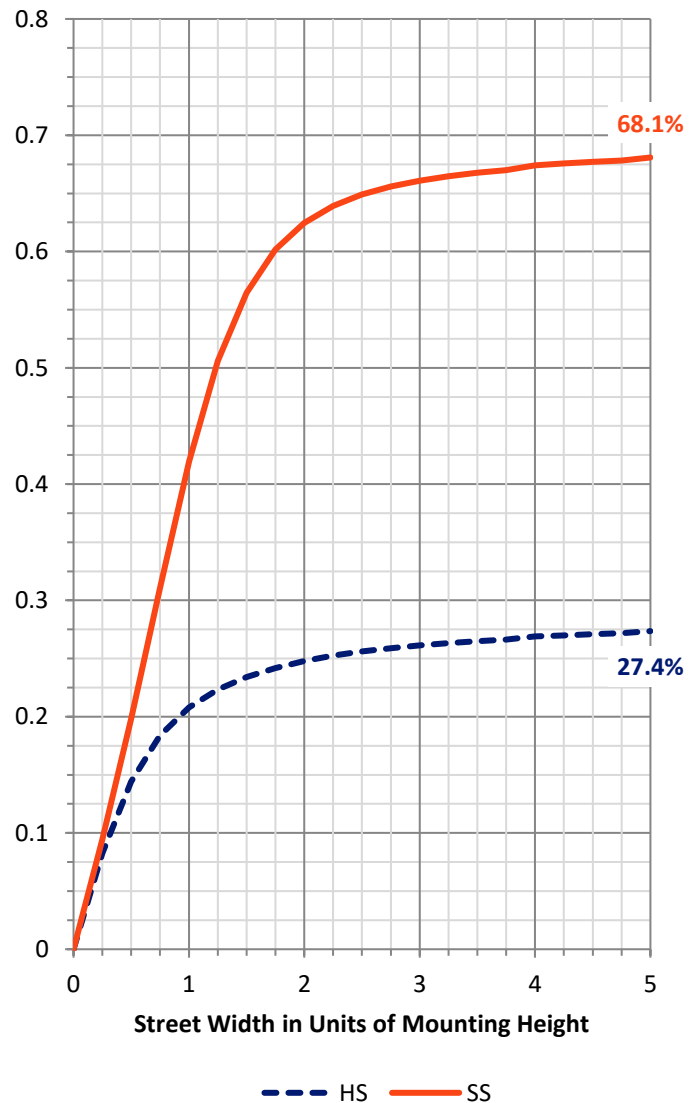
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.5	63.6	1328.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	3094.8	62.0	3156.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	4359.3	125.7	4485.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	54.2	1.2
20°-30°	171.9	3.8
30°-40°	411.8	9.2
40°-50°	760.4	17.0
50°-60°	1036.1	23.1
60°-70°	1010.2	22.5
70°-80°	659.7	14.7
80°-90°	244.4	5.4
90°-100°	67.9	1.5
100°-110°	28.5	0.6
110°-120°	14.3	0.3
120°-130°	8.1	0.2
130°-140°	4.6	0.1
140°-150°	1.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4359.3	97.2
0°-180°	4485.0	100.0



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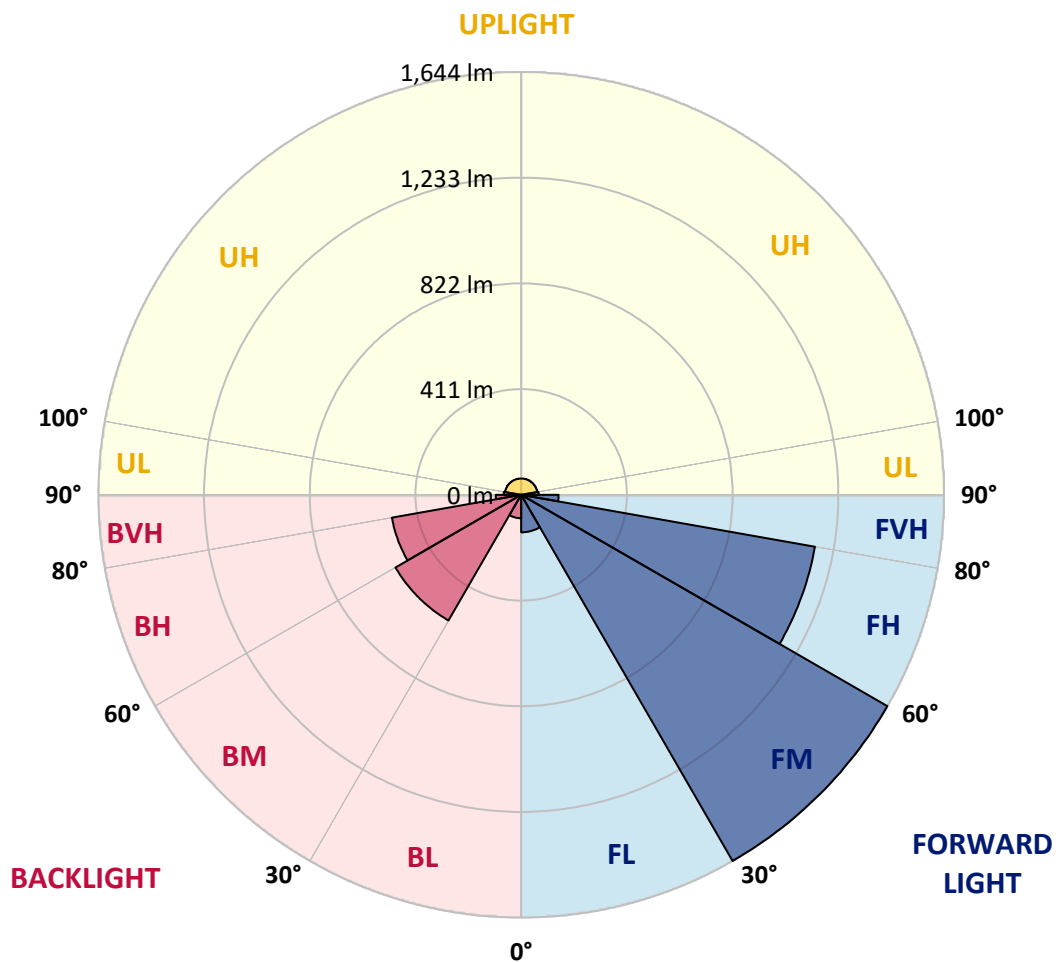
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.7	3.2			
FM (30°-60°)	1643.9	36.7			
FH (60°-80°)	1159.7	25.9			G1/1800
FVH (80°-90°)	145.5	3.2			G2/225
BL (0°-30°)	91.1	2.0	B0/110		
BM (30°-60°)	564.3	12.6	B1/1000		
BH (60°-80°)	510.2	11.4	B2/1000		G2/1000
BVH (80°-90°)	98.9	2.2			G1/100
UL (90°-100°)	67.9	1.5		U3/500	
UH (100°-180°)	63.6	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	103.3	102.8	101.7	101.2	101.2	100.2	99.1	97.6	96.6	96.0	95.0
5°	116.8	115.8	114.7	113.7	112.6	111.1	108.5	106.9	104.9	104.3	102.3
7.5°	136.0	135.0	131.9	130.8	129.3	127.2	124.1	120.9	118.9	117.3	114.2
10°	161.4	160.4	158.3	155.7	152.6	148.5	143.3	140.2	135.0	136.0	131.3
12.5°	196.2	193.6	191.0	186.9	180.6	176.0	168.7	165.6	159.9	159.9	154.2
15°	238.3	237.7	232.6	223.7	218.0	208.2	201.9	195.2	191.5	191.5	186.9
17.5°	292.8	289.1	285.0	273.0	260.1	248.1	239.8	235.2	231.0	230.0	223.7
20°	360.3	355.1	348.8	327.6	312.0	297.4	285.5	281.9	278.8	278.2	273.0
22.5°	445.9	435.0	423.6	402.8	377.9	352.5	344.2	335.9	336.4	337.4	325.5
25°	540.9	537.8	517.5	488.0	455.2	427.2	404.4	401.3	404.4	402.3	397.6
27.5°	662.9	652.5	627.1	589.2	537.3	504.6	480.2	478.1	478.6	481.2	473.4
30°	805.1	799.9	767.7	704.4	637.5	593.8	567.4	563.7	570.0	570.5	558.5
32.5°	972.8	962.4	913.1	842.5	751.1	695.6	665.5	664.4	671.2	672.7	663.4
35°	1142.5	1137.3	1088.5	987.3	887.1	803.0	772.4	774.5	779.2	788.5	777.6
37.5°	1338.2	1324.2	1261.4	1154.5	1027.8	927.1	894.4	901.7	908.9	908.9	893.9
40°	1523.0	1517.8	1451.9	1317.5	1165.9	1072.5	1036.6	1040.8	1040.3	1040.8	1021.1
42.5°	1694.3	1676.7	1618.5	1475.8	1319.5	1224.5	1181.5	1188.2	1194.4	1199.1	1149.3
45°	1810.1	1795.0	1743.6	1603.0	1464.9	1375.1	1347.1	1347.1	1354.3	1352.2	1302.9
47.5°	1851.1	1849.0	1810.6	1703.7	1577.0	1507.5	1509.0	1514.7	1525.6	1515.8	1445.2
50°	1831.9	1823.6	1816.8	1757.1	1669.9	1636.7	1667.9	1696.9	1698.0	1680.3	1590.5
52.5°	1711.5	1712.5	1746.8	1735.9	1695.9	1729.6	1824.6	1876.0	1871.3	1854.2	1746.2
55°	1528.2	1536.5	1596.2	1641.9	1666.3	1759.7	1940.9	2047.3	2036.9	2013.1	1903.5
57.5°	1284.2	1311.2	1391.2	1490.8	1578.1	1731.7	2004.2	2195.8	2184.9	2184.9	2060.3
60°	1024.7	1046.5	1164.3	1285.8	1423.4	1637.2	2010.5	2304.8	2331.3	2314.7	2171.4
62.5°	794.7	804.1	926.1	1079.2	1226.6	1478.4	1938.8	2356.7	2426.8	2412.8	2271.0
65°	585.0	611.5	710.1	850.3	1002.9	1291.0	1785.7	2326.1	2463.1	2455.8	2326.1
67.5°	435.0	446.9	529.5	659.3	810.3	1057.9	1562.5	2192.1	2419.5	2425.7	2317.8
70°	326.0	329.1	393.5	500.4	629.1	834.7	1302.4	1978.3	2274.7	2302.7	2243.5
72.5°	246.6	252.3	305.7	389.8	485.4	642.6	1029.4	1687.6	2027.6	2097.2	2074.8
75°	193.1	199.9	236.7	301.6	375.3	486.4	779.2	1343.9	1717.7	1807.5	1832.4
77.5°	152.6	159.9	191.0	240.9	292.8	375.3	572.6	1005.5	1372.0	1461.8	1534.5
80°	119.9	125.1	152.6	189.5	230.5	277.2	401.3	730.9	1007.6	1119.7	1186.1
82.5°	91.4	97.1	118.4	149.5	180.6	211.8	286.5	497.3	730.9	781.8	894.9
85°	66.4	71.6	89.3	114.7	139.1	164.0	209.7	331.7	465.6	526.4	583.5
87.5°	48.8	50.9	66.4	85.1	106.9	124.1	151.1	211.8	295.9	326.0	373.7
90°	34.3	36.3	48.8	62.8	81.0	97.1	111.1	140.2	184.3	211.3	220.1
92.5°	25.4	27.0	36.3	47.2	62.3	75.3	84.1	99.1	119.9	131.3	138.6
95°	19.2	20.8	28.6	37.4	48.3	59.2	65.9	71.6	83.6	86.7	92.9
97.5°	15.6	16.6	23.4	30.6	38.9	48.8	52.4	55.5	59.7	62.8	65.4
100°	13.5	14.0	19.7	26.0	33.2	39.5	42.6	44.1	46.7	47.8	48.8
102.5°	11.9	11.9	17.1	22.3	28.6	33.2	35.8	35.8	36.3	36.9	36.3
105°	10.4	10.9	15.1	19.7	24.4	28.6	30.6	29.6	29.1	28.6	27.0
107.5°	9.9	9.9	13.5	17.6	21.8	24.9	26.5	24.4	23.4	22.3	20.8
110°	8.8	9.3	11.9	15.6	19.2	21.8	22.8	20.8	18.7	17.6	16.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.3	8.8	10.9	14.0	17.1	19.7	19.7	17.6	15.1	14.0	13.0
115°	8.3	8.3	9.9	12.5	15.6	17.6	17.6	15.1	12.5	11.4	10.9
117.5°	8.3	8.3	9.3	11.4	14.0	15.6	15.6	13.0	10.4	9.3	9.3
120°	7.8	7.8	8.8	10.4	13.0	14.0	13.5	11.4	8.8	8.3	8.3
122.5°	7.8	7.8	8.3	9.9	11.9	13.0	12.5	9.9	7.8	6.7	7.3
125°	8.3	7.8	8.3	9.3	10.9	11.4	10.9	8.3	6.7	6.2	6.7
127.5°	8.3	8.3	7.8	8.8	9.9	10.4	9.9	7.3	5.7	5.7	6.2
130°	8.3	8.3	7.8	8.3	8.8	9.3	8.3	6.2	5.2	5.2	5.7
132.5°	8.3	8.3	7.8	7.8	8.3	8.3	7.3	5.2	4.7	4.7	5.2
135°	8.3	8.3	7.3	7.3	7.3	7.3	6.2	4.7	4.2	4.2	4.7
137.5°	7.8	7.8	7.3	6.7	6.7	6.2	5.2	3.6	3.1	3.6	4.2
140°	7.3	7.3	6.7	5.7	5.7	5.2	4.2	3.1	2.6	3.1	3.1
142.5°	6.7	6.7	6.2	5.2	4.7	4.2	3.6	2.1	2.1	2.1	2.6
145°	6.2	6.2	5.7	4.2	3.6	3.1	2.6	1.6	1.6	1.6	2.1
147.5°	5.2	5.2	4.7	3.6	2.6	2.6	1.6	1.0	1.6	1.6	1.6
150°	4.2	4.2	3.6	2.6	2.1	1.6	0.5	1.0	1.0	1.0	1.6
152.5°	3.6	3.6	2.6	2.1	1.0	0.5	0.5	0.5	1.0	1.0	1.0
155°	2.6	2.6	2.1	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.6	1.6	1.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	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°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	94.0	94.0	93.4	92.9	92.4	91.9	90.8	90.3	90.3	89.8	89.8
5°	101.2	100.7	99.1	97.6	95.5	94.5	92.9	91.9	91.4	90.8	90.8
7.5°	112.6	111.6	108.5	105.9	103.3	101.2	98.6	97.1	96.6	95.0	95.5
10°	128.7	127.2	123.5	118.9	114.2	111.1	107.5	105.4	104.3	103.3	102.3
12.5°	152.1	149.0	142.8	136.5	129.8	123.5	119.9	118.4	119.4	118.9	119.4
15°	184.3	178.6	169.2	159.9	147.9	140.2	139.1	138.6	138.6	139.1	140.2
17.5°	220.6	214.4	202.4	185.3	171.3	163.5	158.8	158.3	160.9	161.4	160.9
20°	268.4	262.1	243.5	220.1	199.9	187.4	181.2	181.2	184.8	185.8	187.9
22.5°	319.8	316.1	290.7	258.5	231.5	211.3	202.4	203.5	208.7	210.2	211.3
25°	391.4	376.9	345.7	301.6	262.7	235.7	223.7	224.2	230.0	234.1	235.7
27.5°	470.3	453.7	408.0	350.4	293.8	255.9	242.4	242.9	249.7	254.9	255.9
30°	554.9	538.3	478.6	398.7	322.9	274.1	255.9	256.4	264.2	269.9	271.0
32.5°	645.2	631.7	548.2	450.6	348.3	286.5	264.7	265.3	272.0	277.2	278.2
35°	759.4	728.8	630.7	496.8	369.6	294.3	268.9	268.4	275.1	280.3	281.4
37.5°	872.1	839.4	709.1	539.9	382.1	296.4	267.9	267.9	273.0	277.2	277.7
40°	994.6	940.1	791.6	573.6	386.7	293.3	264.7	264.2	268.4	270.4	271.0
42.5°	1126.4	1059.5	872.6	600.6	384.7	286.5	259.0	259.5	261.1	261.1	260.6
45°	1245.3	1177.3	942.2	618.2	377.4	277.7	252.3	252.8	253.3	249.2	249.2
47.5°	1385.0	1302.4	1007.6	622.4	362.8	268.9	247.1	248.1	245.5	239.8	238.8
50°	1517.3	1425.4	1073.5	620.8	347.8	259.5	241.9	242.9	238.3	230.5	228.9
52.5°	1664.7	1546.9	1135.8	613.1	329.6	251.2	238.3	239.3	234.1	224.8	223.2
55°	1810.1	1675.6	1192.9	599.6	314.1	242.4	234.6	237.2	230.5	221.1	220.6
57.5°	1948.7	1803.3	1240.1	579.8	297.4	236.2	232.0	235.2	228.9	219.6	219.1
60°	2072.2	1911.8	1278.0	560.6	279.3	230.0	229.4	233.6	227.9	220.1	219.6
62.5°	2158.9	2009.4	1295.1	534.7	264.7	223.2	226.3	230.5	226.3	220.1	220.1
65°	2228.0	2053.0	1288.4	500.4	249.2	215.9	222.2	226.3	223.7	219.6	220.1
67.5°	2215.0	2052.0	1244.3	459.4	234.6	208.2	214.9	220.6	218.5	217.0	216.5
70°	2135.0	1954.9	1159.7	414.8	219.6	198.3	206.1	211.8	211.3	210.8	210.8
72.5°	1970.5	1786.7	1033.0	363.4	204.0	187.9	194.7	199.9	200.9	200.4	198.8
75°	1755.6	1555.2	886.1	315.1	187.9	175.5	182.7	185.8	187.4	186.4	186.4
77.5°	1440.5	1296.7	704.4	266.3	170.8	161.4	166.6	169.2	171.3	168.7	167.1
80°	1144.6	986.3	541.9	217.5	152.1	145.9	148.5	149.5	151.6	149.0	145.9
82.5°	803.6	702.9	393.0	177.5	133.4	128.2	129.8	129.3	130.3	126.7	122.5
85°	536.7	472.4	270.4	142.8	114.2	109.5	109.5	108.0	106.9	103.3	100.2
87.5°	336.9	299.0	185.8	112.6	96.0	92.4	90.3	87.2	86.2	83.6	79.9
90°	207.6	191.0	129.8	90.3	79.9	76.8	74.7	70.1	69.6	65.4	62.8
92.5°	136.0	124.6	96.0	73.2	67.0	63.8	61.3	57.1	56.6	53.5	51.9
95°	89.8	87.2	73.2	61.3	56.6	54.0	51.4	47.8	46.7	43.6	41.5
97.5°	65.9	65.9	60.2	51.9	48.3	45.7	44.1	41.0	38.9	35.8	34.8
100°	49.8	50.4	48.3	44.6	41.5	38.9	37.4	34.8	33.2	30.1	29.6
102.5°	38.4	39.5	40.0	37.9	35.8	33.7	32.2	30.1	28.0	24.9	24.4
105°	29.6	30.6	32.7	32.2	31.1	29.6	28.0	26.0	23.4	20.8	20.8
107.5°	22.8	23.9	27.0	27.5	27.0	25.4	24.4	22.3	20.2	17.6	17.6
110°	17.6	19.2	22.3	23.4	23.4	22.3	21.3	19.2	16.6	15.1	15.1



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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.5	16.1	18.7	20.2	20.2	19.7	18.2	16.1	14.0	13.0	13.0
115°	11.9	13.5	16.1	17.6	17.6	17.1	16.1	14.0	11.9	11.4	11.4
117.5°	10.4	11.4	13.5	15.1	15.6	15.1	14.0	11.9	10.4	10.4	10.4
120°	9.3	10.4	11.9	13.0	13.5	13.0	11.9	10.4	8.8	9.3	9.3
122.5°	8.3	8.8	10.4	11.9	11.9	11.9	10.9	8.8	7.8	8.3	8.3
125°	7.3	8.3	9.3	10.4	10.9	10.4	9.3	7.8	6.7	7.3	7.8
127.5°	6.7	7.3	8.3	9.3	9.3	9.3	8.3	6.7	6.2	6.7	6.7
130°	6.2	6.7	7.3	8.3	8.3	8.3	7.3	5.7	5.7	6.2	6.2
132.5°	5.7	6.2	6.7	7.3	7.3	7.3	6.2	5.2	4.7	5.7	5.7
135°	5.2	5.2	5.7	6.2	6.2	6.2	5.2	4.2	4.2	5.2	5.2
137.5°	4.2	4.7	5.2	5.2	5.2	5.2	4.2	3.6	3.6	4.2	4.2
140°	3.6	3.6	4.2	4.2	4.2	4.2	3.6	2.6	3.1	3.6	3.6
142.5°	3.1	3.1	3.6	3.6	3.6	3.1	2.6	2.1	2.6	3.1	3.1
145°	2.1	2.6	2.6	2.6	2.6	2.1	1.6	1.6	2.1	2.6	2.6
147.5°	2.1	2.1	2.1	2.1	2.1	1.6	1.0	1.0	1.6	2.1	2.1
150°	1.6	1.6	2.1	2.1	1.6	1.0	0.5	0.5	1.0	1.6	1.6
152.5°	1.0	1.0	1.6	1.6	1.0	0.5	0.0	0.0	0.5	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.5	0.5	0.5	0.5	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)