

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: P415420

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5022 lumens
Efficiency: N/A
Efficacy: 93.0 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 - G3

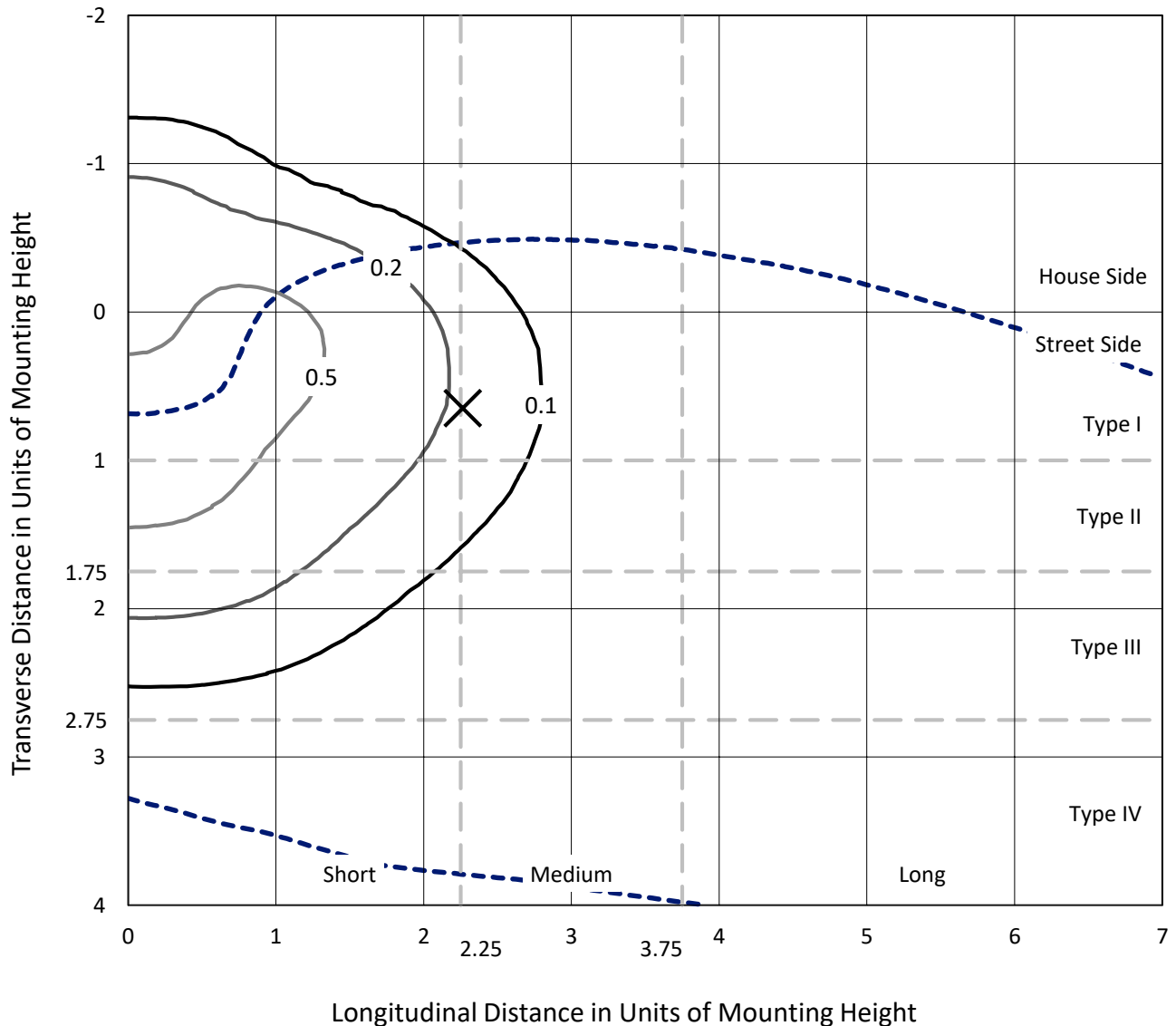
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

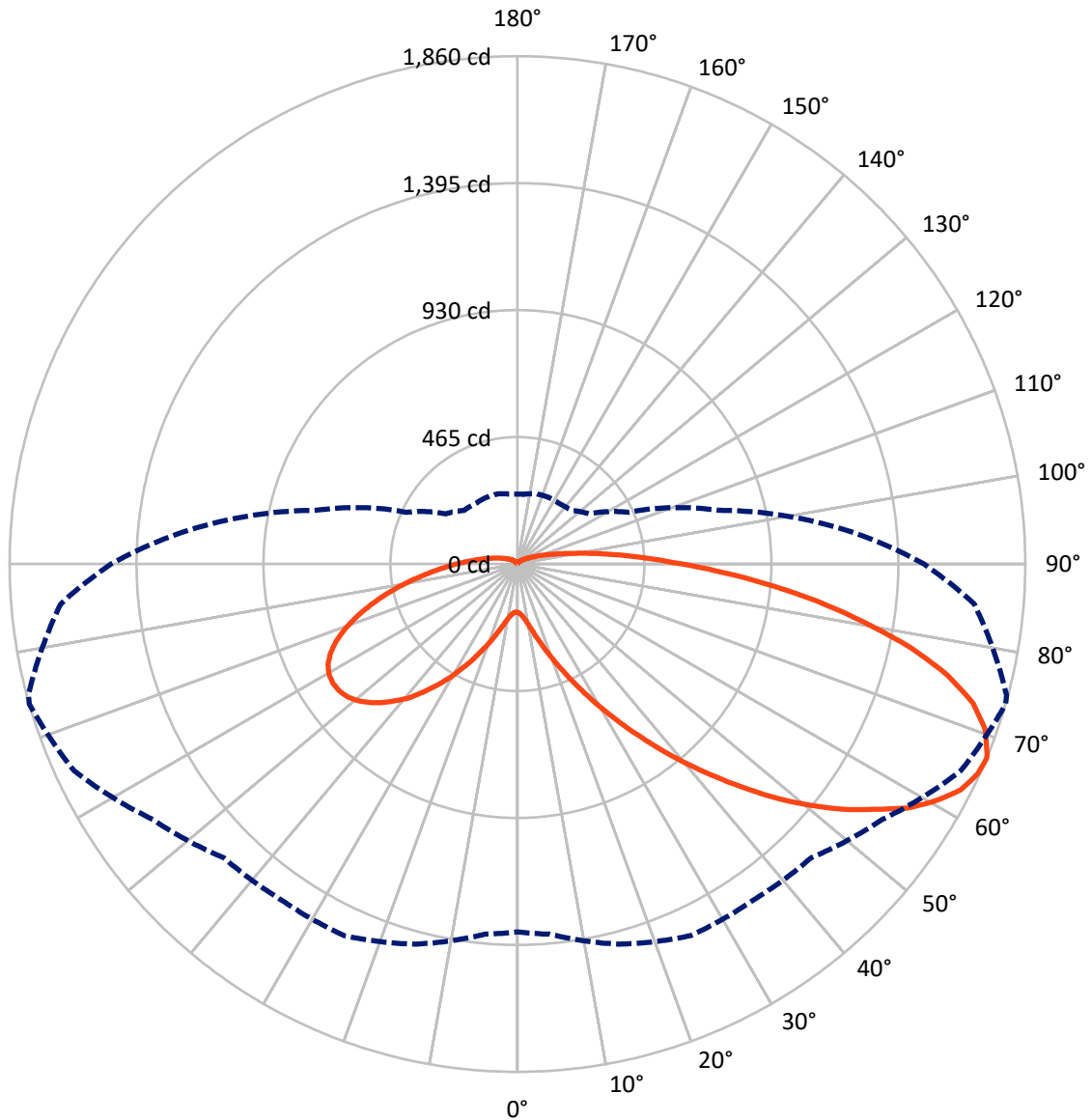
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1210.6	149.7	1360.3
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	3401.1	260.7	3661.7
	% Fixture	67.7	5.2	72.9
Total	Lumens	4611.6	410.4	5022.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.4
10°-20°	77.1	1.5
20°-30°	195.1	3.9
30°-40°	391.4	7.8
40°-50°	657.1	13.1
50°-60°	921.8	18.4
60°-70°	1030.3	20.5
70°-80°	840.5	16.7
80°-90°	479.8	9.6
90°-100°	219.3	4.4
100°-110°	100.4	2.0
110°-120°	49.5	1.0
120°-130°	25.2	0.5
130°-140°	11.7	0.2
140°-150°	3.8	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4611.6	91.8
0°-180°	5022.0	100.0



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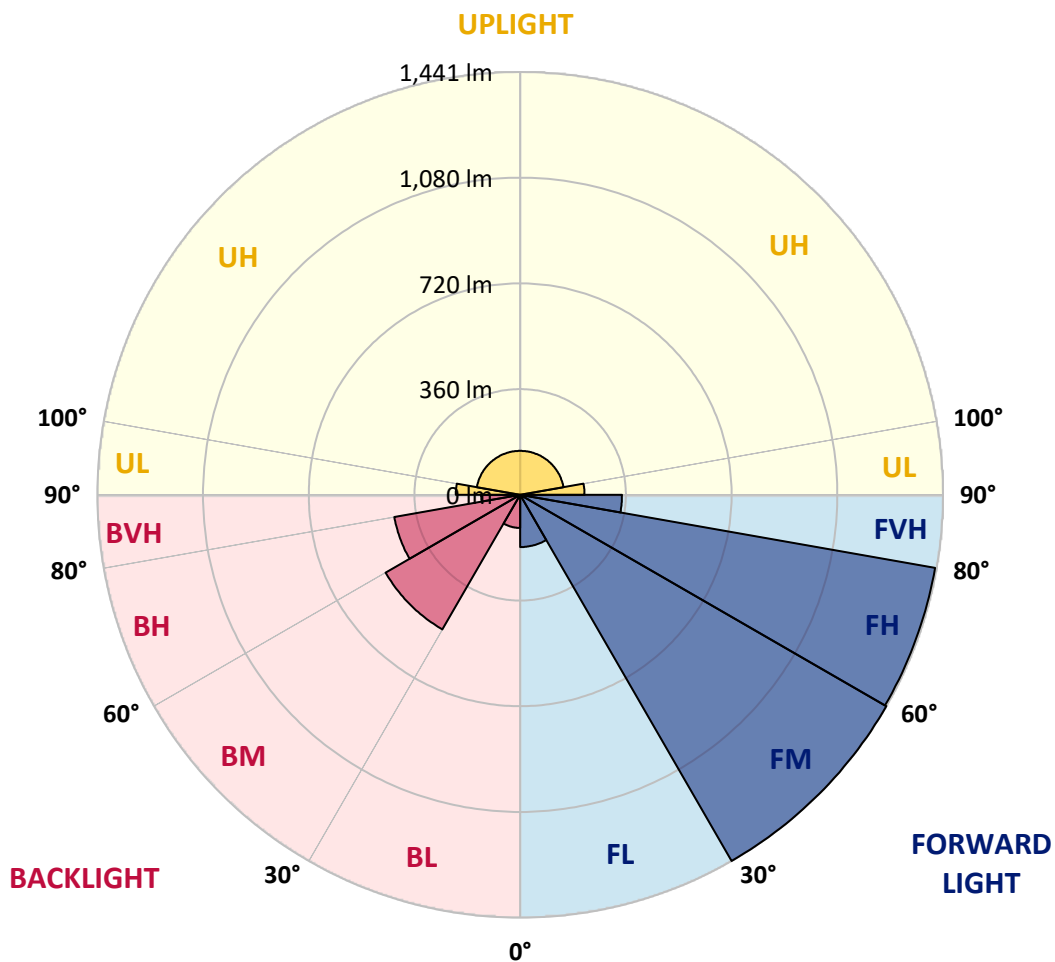
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.0	3.5			
FM	(30°-60°)	1440.7	28.7			
FH	(60°-80°)	1435.5	28.6			G1/1800
FVH	(80°-90°)	346.9	6.9			G3/500
BL	(0°-30°)	112.8	2.2	B1/500		
BM	(30°-60°)	529.6	10.5	B1/1000		
BH	(60°-80°)	435.3	8.7	B1/500		G1/500
BVH	(80°-90°)	132.9	2.6			G2/225
UL	(90°-100°)	219.3	4.4		U3/500	
UH	(100°-180°)	149.7	3.0		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
2.5°	192.5	191.3	191.3	190.1	189.6	187.2	185.4	183.1	181.9	181.3	179.5
5°	210.2	208.5	208.5	207.3	204.9	202.0	197.8	195.5	191.3	191.9	186.6
7.5°	231.5	230.9	229.7	227.3	224.4	220.9	216.7	211.4	206.7	206.7	200.2
10°	259.8	256.3	256.3	253.3	250.4	245.1	239.2	233.3	226.8	226.2	217.3
12.5°	294.1	293.5	289.9	285.8	281.1	275.8	266.3	260.4	253.9	253.3	243.9
15°	334.2	332.5	327.7	326.0	318.9	309.4	301.8	295.8	289.4	287.0	274.6
17.5°	381.5	379.1	377.3	368.5	362.6	354.9	346.0	338.4	327.1	326.0	312.4
20°	437.0	431.7	426.4	419.3	409.8	402.7	393.3	386.2	373.2	373.2	354.9
22.5°	495.4	494.3	489.5	477.7	464.7	457.7	448.8	434.6	424.0	421.0	401.0
25°	566.3	565.1	555.7	543.3	529.7	519.1	504.9	489.5	480.7	480.1	457.7
27.5°	646.6	648.4	631.9	615.9	597.6	580.5	565.1	557.4	545.6	543.9	517.9
30°	743.5	735.8	718.7	695.6	670.2	648.4	632.4	624.8	617.1	616.5	585.2
32.5°	842.1	833.2	818.5	786.6	751.1	717.5	709.8	703.3	694.4	689.7	658.4
35°	951.3	944.2	923.0	881.1	833.8	797.2	781.3	782.4	778.3	775.9	738.1
37.5°	1071.8	1059.4	1030.5	989.7	920.0	880.5	862.2	872.2	869.8	865.1	825.5
40°	1185.2	1183.4	1152.7	1089.5	1019.2	963.1	950.7	967.9	964.9	959.0	915.3
42.5°	1316.3	1303.3	1269.0	1198.2	1113.1	1051.1	1037.5	1062.9	1066.5	1067.7	1009.2
45°	1428.5	1422.6	1390.1	1308.6	1210.6	1143.2	1132.0	1159.2	1171.0	1172.2	1107.8
47.5°	1537.7	1535.3	1502.3	1417.8	1305.6	1234.2	1219.4	1258.4	1283.2	1277.9	1201.7
50°	1619.8	1623.9	1597.4	1517.0	1400.1	1315.1	1318.6	1366.5	1389.5	1386.5	1302.1
52.5°	1690.1	1684.2	1672.9	1596.8	1475.1	1397.2	1401.3	1458.6	1492.8	1491.1	1397.2
55°	1716.0	1714.3	1715.5	1653.5	1536.5	1464.5	1476.9	1557.8	1586.1	1582.6	1474.5
57.5°	1710.7	1709.5	1727.9	1687.1	1586.1	1517.6	1546.0	1639.3	1685.9	1681.2	1556.0
60°	1670.6	1665.3	1704.8	1690.1	1606.2	1550.7	1600.3	1710.7	1760.9	1759.7	1622.7
62.5°	1580.2	1588.5	1643.4	1657.0	1600.3	1567.8	1632.8	1766.2	1822.3	1818.2	1670.6
65°	1454.4	1475.1	1541.3	1588.5	1560.1	1552.5	1644.6	1791.0	1853.0	1852.5	1687.7
67°	1347.0	1361.1	1441.5	1501.7	1503.5	1521.2	1631.0	1791.6	1860.1	1854.8	1679.4
67.5°	1309.2	1328.1	1409.6	1482.8	1490.5	1512.3	1625.7	1790.5	1855.4	1852.5	1675.3
70°	1137.9	1159.8	1248.9	1341.1	1388.3	1435.5	1577.3	1757.4	1817.6	1811.1	1627.5
72.5°	964.3	995.0	1079.5	1188.7	1257.8	1335.8	1493.4	1674.7	1745.6	1732.0	1534.2
75°	797.8	818.5	900.5	1018.6	1108.4	1214.1	1378.9	1563.1	1626.9	1615.7	1415.5
77.5°	636.0	654.9	734.0	852.7	954.3	1073.0	1244.8	1423.1	1472.8	1466.3	1264.9
80°	501.9	515.5	591.7	697.4	801.9	928.9	1091.9	1251.3	1283.8	1288.5	1099.0
82.5°	386.2	403.9	470.1	563.4	662.0	783.0	924.8	1065.9	1101.9	1090.1	928.9
85°	295.3	310.0	369.1	448.2	546.8	649.0	775.4	891.1	907.0	893.5	752.9
87.5°	230.9	242.1	288.2	364.9	443.5	530.9	631.9	720.4	728.7	726.3	602.9
90°	178.9	189.0	227.3	288.2	360.2	435.2	514.3	576.3	572.2	575.8	475.4
92.5°	140.5	145.9	180.7	234.4	294.7	354.9	415.1	456.5	455.9	445.8	370.8
95°	114.0	116.9	147.0	191.9	240.3	288.2	333.1	359.6	358.4	347.8	289.4
97.5°	92.1	93.9	119.9	157.7	198.4	235.6	268.1	287.0	277.5	273.4	226.8
100°	75.6	76.8	99.2	131.7	165.3	197.2	220.3	227.9	214.9	212.6	178.3
102.5°	64.4	65.0	83.9	111.6	138.2	162.4	179.5	183.1	167.7	168.9	140.5
105°	54.9	55.5	70.3	95.1	117.5	135.8	148.2	146.4	134.0	132.3	112.2
107.5°	47.8	48.4	60.2	81.5	101.0	116.3	122.8	118.7	107.5	105.1	90.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	41.9	42.5	52.0	69.7	86.8	99.8	103.3	96.8	86.8	84.4	74.4
112.5°	37.8	37.8	45.5	60.2	75.6	86.2	87.4	80.9	69.7	68.5	62.0
115°	34.3	34.3	40.2	52.0	65.5	73.8	73.8	66.1	57.3	56.7	52.0
117.5°	31.3	31.3	35.4	45.5	56.7	63.8	62.6	55.5	47.8	47.2	44.9
120°	28.9	28.9	31.9	39.6	49.0	54.3	53.1	46.1	40.2	39.6	38.4
122.5°	26.6	27.2	28.9	34.8	42.5	46.7	45.5	39.6	34.3	33.7	33.7
125°	24.8	24.8	26.0	30.1	36.6	40.2	38.4	32.5	28.9	28.9	28.9
127.5°	23.0	23.0	23.6	26.6	31.3	33.7	31.9	27.2	25.4	24.8	25.4
130°	21.3	21.3	21.8	23.0	26.6	27.8	26.0	23.0	21.3	21.3	21.8
132.5°	19.5	19.5	19.5	20.1	21.8	23.0	21.3	18.9	18.3	18.3	18.9
135°	17.7	18.3	17.7	17.7	18.3	18.3	16.5	15.4	15.4	15.9	16.5
137.5°	15.9	15.9	15.4	14.8	14.8	14.2	13.0	12.4	13.0	13.0	13.6
140°	14.2	14.2	13.6	12.4	11.2	10.6	10.0	9.4	10.6	10.6	11.2
142.5°	12.4	12.4	11.2	10.0	8.3	7.1	6.5	7.1	8.3	8.3	8.9
145°	10.0	10.0	9.4	8.3	5.9	4.7	4.1	5.3	5.9	5.9	6.5
147.5°	8.3	7.7	7.1	5.9	4.1	3.0	2.4	3.5	4.1	4.1	4.7
150°	5.9	5.9	5.3	4.1	2.4	1.2	1.2	1.8	2.4	2.4	3.0
152.5°	4.1	4.1	3.5	2.4	1.2	0.0	0.6	1.2	1.2	1.2	1.8
155°	2.4	2.4	2.4	1.8	0.6	0.0	0.0	0.6	0.6	0.6	1.2
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	1.2	0.6	0.6	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°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
2.5°	178.3	177.2	176.0	174.2	173.0	171.8	170.7	170.1	170.1	169.5	170.1
5°	184.8	183.1	179.5	176.6	173.0	170.7	168.3	167.1	165.9	165.3	165.3
7.5°	196.6	194.3	188.4	183.1	177.7	173.6	170.7	167.7	166.5	165.9	165.9
10°	213.8	210.2	201.4	193.7	186.0	180.7	175.4	172.4	170.7	169.5	169.5
12.5°	238.0	232.1	220.9	207.9	197.8	190.7	184.2	181.3	180.7	180.7	180.7
15°	270.5	262.2	245.1	229.7	214.9	202.5	197.8	197.8	197.2	196.6	197.2
17.5°	304.1	294.7	273.4	253.9	235.6	223.2	215.5	213.8	213.2	212.6	213.2
20°	344.3	332.5	307.7	281.1	258.1	246.2	235.6	230.9	230.3	230.9	229.7
22.5°	389.7	376.8	340.1	308.3	282.9	266.3	253.9	247.4	248.6	248.6	248.0
25°	444.7	424.6	381.5	338.4	307.7	284.6	270.5	264.0	264.6	265.7	266.9
27.5°	500.2	477.1	422.2	369.7	329.5	302.9	286.4	279.3	278.7	282.3	281.7
30°	565.1	535.6	467.1	401.6	349.6	315.9	298.8	292.9	292.3	295.3	295.8
32.5°	634.8	598.2	513.8	433.4	367.3	327.1	307.7	303.5	302.3	305.3	305.9
35°	711.0	664.3	559.2	461.2	382.1	334.8	314.7	310.0	308.3	311.2	312.4
37.5°	784.8	730.5	605.9	486.0	393.9	339.5	317.7	314.2	311.8	313.6	314.2
40°	862.7	804.9	653.1	508.4	401.0	341.9	318.9	315.3	313.0	313.0	313.0
42.5°	948.4	873.4	691.5	524.4	405.1	341.3	317.7	313.6	310.6	308.3	308.3
45°	1036.4	947.2	731.1	537.4	405.7	338.4	314.7	311.2	306.5	301.8	301.2
47.5°	1122.0	1013.9	765.9	544.5	403.9	334.2	310.6	305.9	301.8	294.7	294.7
50°	1205.2	1080.6	794.8	548.0	398.6	329.5	306.5	301.8	296.4	287.0	285.8
52.5°	1281.4	1141.5	816.7	546.8	390.9	323.0	301.2	297.0	290.5	279.3	279.3
55°	1356.4	1197.6	830.3	539.1	381.5	315.9	296.4	292.3	285.2	273.4	272.2
57.5°	1417.8	1237.7	835.6	527.3	370.8	308.3	291.7	287.6	281.1	268.1	268.1
60°	1469.8	1271.4	832.0	512.0	359.0	301.2	285.8	283.4	277.5	265.1	265.1
62.5°	1499.9	1285.0	818.5	492.5	345.5	293.5	280.5	279.3	274.0	262.2	262.2
65°	1506.4	1276.1	790.7	468.3	331.9	284.6	274.6	274.0	270.5	259.2	258.1
67°	1488.7	1253.1	760.0	447.6	320.1	277.5	269.3	269.3	266.3	256.3	255.7
67.5°	1482.2	1244.2	751.7	442.3	317.7	276.4	268.1	268.7	265.7	255.7	253.9
70°	1425.5	1184.6	700.9	412.2	301.2	265.7	260.4	261.0	258.6	251.0	249.2
72.5°	1337.5	1099.0	641.3	383.2	284.6	255.1	249.8	252.2	249.8	243.9	240.3
75°	1218.8	994.4	579.3	350.2	268.1	242.1	238.6	239.8	239.2	233.3	230.3
77.5°	1078.9	879.3	513.2	319.5	249.8	229.1	225.6	227.3	226.2	220.9	217.3
80°	927.1	757.6	449.4	288.8	230.9	214.4	210.8	211.4	210.8	205.5	200.8
82.5°	778.3	638.3	384.4	258.6	212.6	198.4	194.3	193.7	192.5	186.6	183.1
85°	642.5	524.4	328.3	229.7	193.7	180.7	177.2	174.8	173.0	166.5	164.2
87.5°	512.0	428.7	277.5	204.9	174.8	164.2	159.4	155.3	152.4	146.4	144.1
90°	408.6	345.5	236.8	179.5	157.7	148.2	141.7	136.4	132.9	126.4	122.8
92.5°	324.2	275.2	199.0	157.7	141.1	132.9	127.0	120.5	115.7	107.5	105.7
95°	256.9	221.4	167.7	138.2	125.2	118.1	112.8	105.7	99.2	90.9	89.2
97.5°	203.1	180.7	141.1	121.1	110.4	104.5	99.2	92.1	85.0	76.8	75.6
100°	162.4	145.3	121.1	105.7	98.6	92.7	87.4	80.9	72.0	63.8	63.8
102.5°	130.5	119.3	101.6	92.7	86.8	82.1	77.4	70.9	61.4	52.6	52.6
105°	105.7	98.6	87.4	80.9	76.8	73.2	68.5	60.8	51.4	44.3	44.3
107.5°	86.8	81.5	75.0	70.3	67.9	64.4	60.2	52.6	43.7	37.2	37.2



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	72.0	68.5	63.8	62.0	60.2	57.3	52.6	45.5	36.6	31.9	31.9
112.5°	60.2	58.5	54.9	54.3	53.1	50.8	46.1	39.0	30.7	27.8	27.8
115°	51.4	50.2	47.8	47.8	46.7	44.9	40.2	33.7	26.6	23.6	24.2
117.5°	43.7	43.1	41.9	41.9	41.3	39.6	34.8	28.9	22.4	21.3	21.3
120°	38.4	37.8	37.2	36.6	36.6	34.3	30.1	24.2	19.5	18.9	18.9
122.5°	33.1	33.1	32.5	32.5	31.9	29.5	26.0	20.7	17.1	16.5	16.5
125°	28.9	28.9	28.3	28.3	27.8	26.0	22.4	17.7	14.8	14.8	14.8
127.5°	25.4	25.4	24.8	24.8	24.2	21.8	18.9	14.8	13.0	13.0	13.6
130°	22.4	22.4	21.8	21.3	20.7	18.9	15.4	12.4	11.2	11.8	11.8
132.5°	19.5	18.9	18.9	18.3	17.1	15.4	13.0	10.6	10.0	10.6	10.6
135°	16.5	16.5	15.9	15.4	14.2	13.0	10.6	8.9	8.9	9.4	9.4
137.5°	14.2	14.2	13.6	12.4	11.8	10.0	8.3	7.1	7.7	8.3	8.3
140°	11.2	11.8	11.2	10.0	8.9	7.7	6.5	5.9	6.5	7.1	7.7
142.5°	9.4	9.4	8.9	7.7	6.5	5.3	4.7	4.7	5.9	6.5	6.5
145°	7.1	7.1	6.5	5.9	4.1	3.5	3.0	4.1	4.7	5.3	5.3
147.5°	4.7	4.7	4.7	3.5	2.4	1.8	1.8	3.0	4.1	4.1	4.1
150°	3.0	3.0	3.0	2.4	1.2	0.6	1.2	2.4	3.0	3.5	3.5
152.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.8	2.4	2.4	2.4
155°	1.2	1.2	1.2	0.6	0.6	0.0	0.6	1.2	1.8	1.8	1.8
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6	0.6
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)