

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: P415411

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
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-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

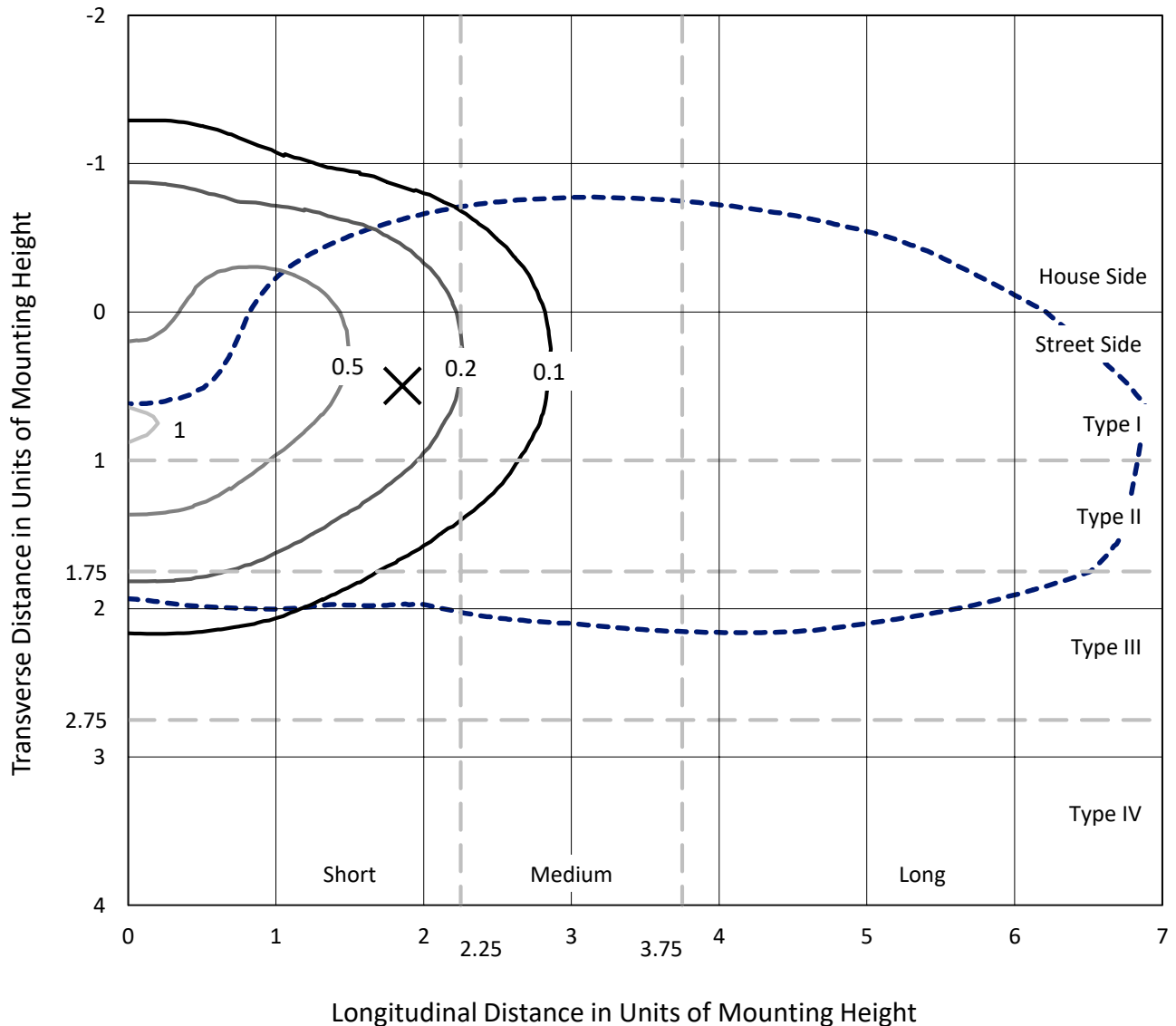
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

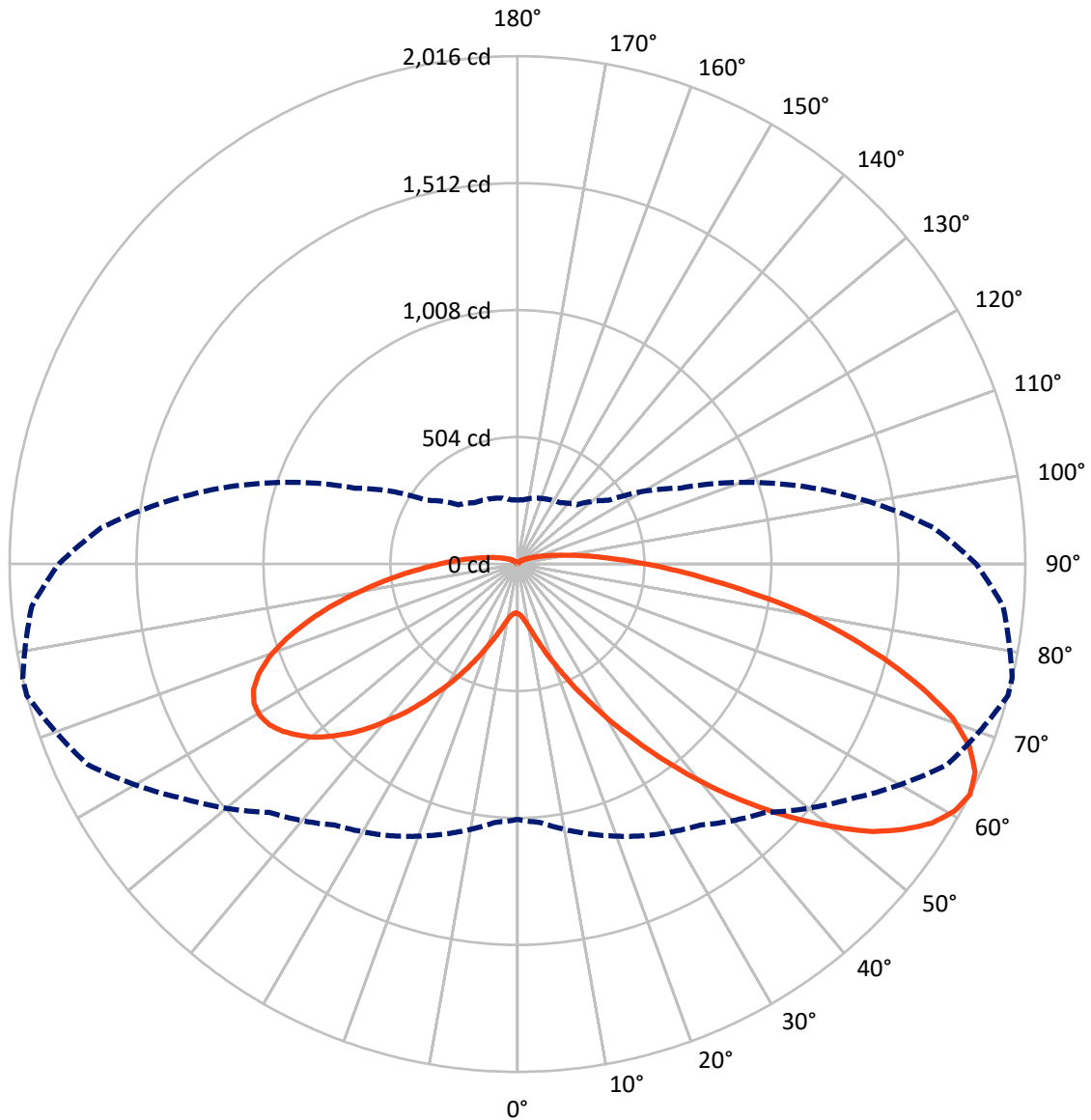


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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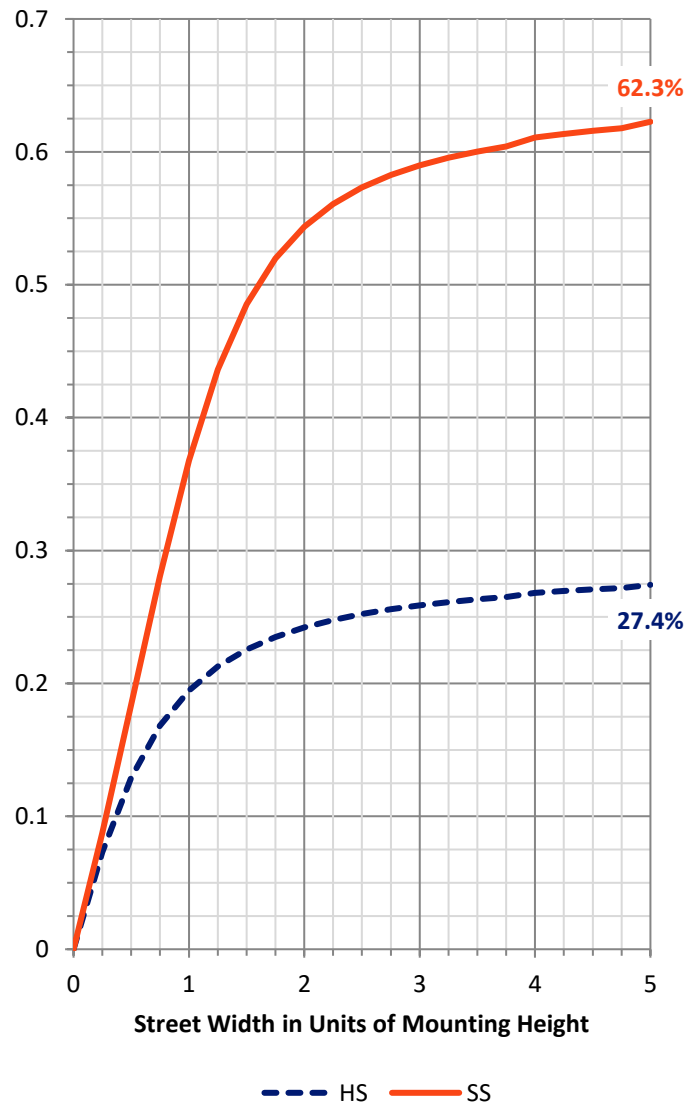
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1431.3	152.2	1583.5
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3212.5	208.9	3421.5
	% Fixture	64.2	4.2	68.4
Total	Lumens	4643.8	361.2	5005.0
	% Fixture	92.8	7.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.4
10°-20°	87.1	1.7
20°-30°	225.4	4.5
30°-40°	461.2	9.2
40°-50°	764.8	15.3
50°-60°	992.2	19.8
60°-70°	977.2	19.5
70°-80°	718.0	14.3
80°-90°	397.4	7.9
90°-100°	187.7	3.7
100°-110°	89.7	1.8
110°-120°	45.7	0.9
120°-130°	23.7	0.5
130°-140°	10.8	0.2
140°-150°	3.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4643.8	92.8
0°-180°	5005.0	100.0

Coefficient of Utilization



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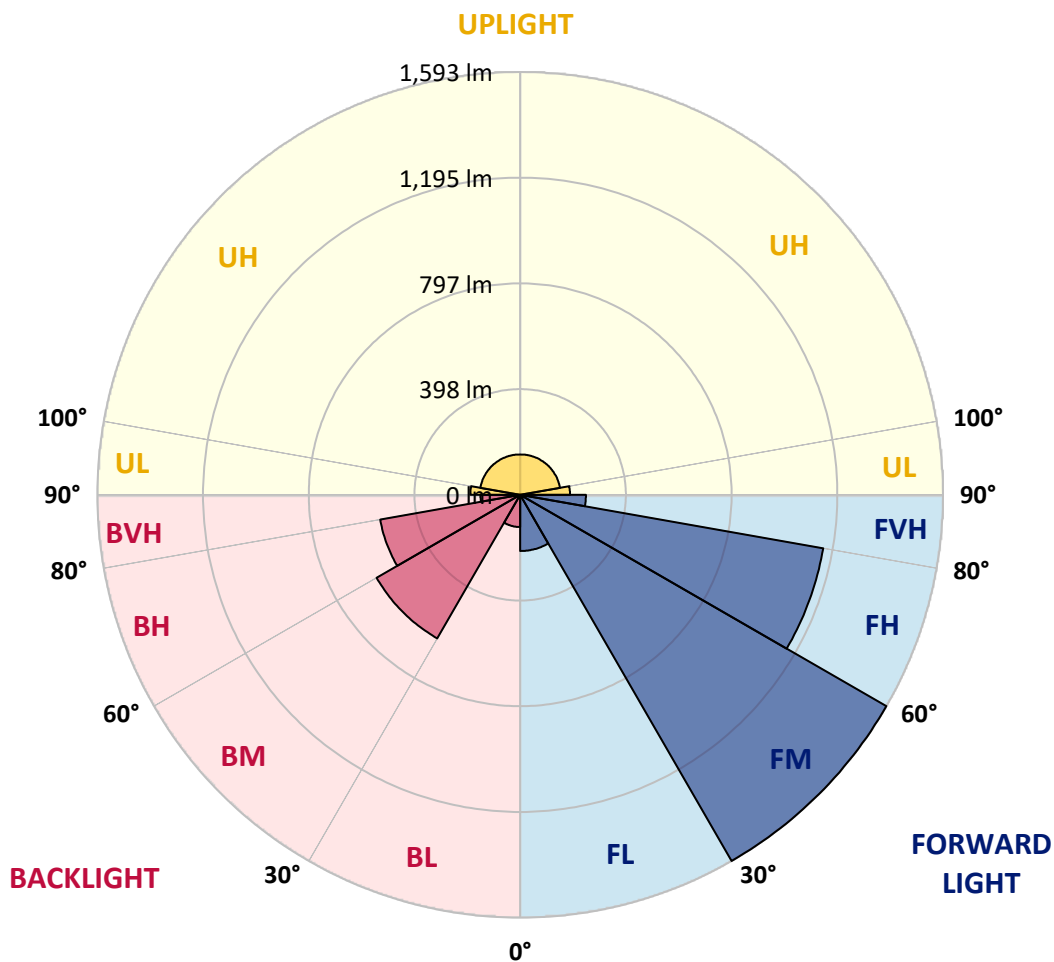
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.7	4.2			
FM	(30°-60°)	1593.3	31.8			
FH	(60°-80°)	1159.8	23.2			G1/1800
FVH	(80°-90°)	247.7	4.9			G3/500
BL	(0°-30°)	121.4	2.4	B1/500		
BM	(30°-60°)	624.8	12.5	B1/1000		
BH	(60°-80°)	535.4	10.7	B2/1000		G2/1000
BVH	(80°-90°)	149.7	3.0			G2/225
UL	(90°-100°)	187.7	3.7		U3/500	
UH	(100°-180°)	152.2	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6
2.5°	219.1	217.3	216.1	214.3	213.2	210.8	208.4	204.9	201.9	201.3	199.0
5°	242.1	239.1	239.1	236.2	232.1	229.1	224.4	218.5	213.7	210.8	208.4
7.5°	271.6	269.3	266.3	263.9	259.8	254.5	248.0	240.3	230.9	229.1	223.2
10°	304.7	303.5	301.1	296.4	291.1	284.0	275.2	265.7	255.1	253.3	243.3
12.5°	348.4	348.4	344.8	338.3	330.7	317.7	310.0	300.0	287.6	285.8	271.6
15°	402.1	399.7	395.0	383.8	374.9	364.3	354.9	341.9	325.3	322.4	309.4
17.5°	461.2	456.4	454.1	443.4	431.6	418.6	405.7	391.5	373.2	368.5	353.1
20°	527.3	530.2	521.4	509.6	491.9	478.9	464.1	445.8	425.7	422.2	403.9
22.5°	610.5	608.2	595.8	579.2	562.1	548.0	529.1	510.8	483.6	480.1	458.8
25°	702.7	700.3	684.4	663.7	644.2	618.8	597.0	577.5	555.0	549.7	524.3
27.5°	793.0	804.8	780.6	755.2	732.2	703.8	677.9	653.1	627.7	623.5	597.0
30°	916.4	919.4	891.0	856.2	824.9	789.5	762.3	739.9	718.0	704.4	680.2
32.5°	1045.1	1035.7	1013.2	970.7	921.1	881.6	851.5	830.8	810.1	803.0	767.6
35°	1172.7	1172.7	1137.8	1080.6	1015.6	975.5	945.9	933.5	914.6	903.4	863.9
37.5°	1297.8	1296.1	1260.6	1193.3	1126.6	1071.7	1052.8	1038.6	1025.6	1014.4	966.0
40°	1421.3	1418.3	1375.8	1310.2	1232.3	1175.6	1160.3	1162.6	1147.3	1131.9	1083.5
42.5°	1520.5	1519.3	1485.6	1420.1	1326.8	1276.6	1261.2	1275.4	1268.3	1253.6	1196.9
45°	1599.6	1594.3	1567.7	1501.0	1416.5	1363.4	1367.5	1401.8	1393.5	1386.4	1316.2
47.5°	1632.6	1632.1	1617.3	1559.4	1481.5	1444.3	1467.9	1515.7	1518.7	1512.8	1434.2
50°	1623.8	1626.1	1625.0	1589.5	1525.8	1506.9	1552.3	1633.8	1643.3	1637.4	1556.5
52.5°	1571.8	1573.0	1592.5	1577.1	1541.1	1546.4	1627.3	1731.8	1764.9	1749.0	1664.5
55°	1462.0	1476.8	1515.1	1524.0	1519.3	1555.3	1672.2	1809.8	1860.0	1854.7	1758.4
57.5°	1348.6	1341.5	1396.5	1439.0	1463.8	1531.7	1687.0	1865.3	1940.9	1933.8	1842.3
60°	1183.3	1193.9	1261.2	1322.1	1374.6	1475.0	1673.4	1894.8	1993.4	1989.3	1903.7
62.5°	1014.4	1029.8	1109.5	1190.4	1265.4	1394.7	1622.6	1883.6	2016.4	2015.9	1936.1
65°	855.6	872.1	945.3	1043.4	1139.0	1286.0	1534.0	1835.8	1997.0	1998.1	1930.2
67.5°	714.5	723.3	800.1	908.1	1001.4	1158.5	1420.1	1741.3	1935.6	1942.1	1883.0
70°	588.7	595.2	669.6	765.8	873.9	1016.2	1281.9	1620.2	1832.8	1835.2	1798.0
72.5°	483.0	488.9	560.4	646.0	745.8	891.6	1139.6	1454.9	1678.1	1701.7	1666.9
75°	386.2	398.0	459.4	542.6	631.8	761.7	989.0	1277.2	1504.5	1524.6	1519.3
77.5°	314.7	330.7	379.7	451.1	533.2	646.0	838.5	1101.8	1320.9	1337.4	1341.5
80°	253.9	265.7	314.7	377.9	447.6	545.6	700.9	930.6	1136.1	1137.8	1136.1
82.5°	206.1	214.9	258.6	315.9	377.3	458.8	587.5	776.5	931.8	950.7	954.2
85°	167.7	174.2	212.0	263.3	315.3	384.4	484.8	634.2	757.0	776.5	770.0
87.5°	134.6	143.5	173.6	217.3	265.7	320.6	403.3	513.1	611.1	619.4	618.2
90°	110.4	113.4	143.5	180.7	224.4	266.3	329.5	413.3	486.5	501.3	491.3
92.5°	89.2	93.9	119.3	152.9	187.2	223.8	273.4	339.5	385.0	393.8	389.1
95°	75.0	77.4	100.4	128.1	157.7	190.7	225.6	271.0	304.7	307.6	308.8
97.5°	62.6	65.0	83.8	109.2	134.6	161.2	187.8	221.4	243.9	243.3	241.5
100°	53.7	54.9	72.0	95.1	117.5	137.0	157.7	178.3	191.9	196.0	189.5
102.5°	46.6	47.2	62.0	82.1	101.0	118.1	133.4	148.2	153.5	154.1	151.2
105°	41.3	41.9	54.3	70.9	88.0	101.0	112.8	121.6	124.0	124.0	120.5
107.5°	36.6	37.2	46.6	62.6	77.9	88.6	96.8	101.6	100.4	99.8	97.4
110°	33.7	33.7	41.3	55.5	67.9	77.4	83.8	84.4	81.5	81.5	79.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	30.7	30.7	36.6	49.0	60.2	68.5	72.6	71.4	67.3	66.1	66.1
115°	28.3	28.3	32.5	43.1	53.7	60.2	63.2	60.2	55.5	54.9	54.3
117.5°	26.6	26.6	29.5	38.4	47.2	53.1	54.9	52.0	46.6	46.1	46.1
120°	24.8	24.8	27.2	33.7	41.9	46.6	47.8	44.3	39.0	39.0	39.6
122.5°	23.6	23.6	24.8	30.1	37.2	41.3	41.3	37.8	33.1	33.1	33.7
125°	22.4	22.4	23.0	26.6	32.5	36.0	35.4	31.3	28.3	28.3	28.9
127.5°	21.3	21.3	21.3	23.6	28.3	31.3	30.7	26.6	24.2	24.2	25.4
130°	20.1	20.1	19.5	20.7	24.2	26.6	25.4	22.4	20.7	20.7	21.8
132.5°	18.9	18.9	17.7	18.3	20.7	21.8	20.7	18.3	17.7	17.7	18.3
135°	17.7	17.1	16.5	15.9	17.1	17.7	16.5	14.8	14.8	14.8	15.9
137.5°	15.9	15.9	14.8	13.6	13.6	13.6	13.0	11.2	11.8	12.4	13.0
140°	14.8	14.8	13.6	11.8	10.6	10.6	9.4	8.9	9.4	10.0	10.6
142.5°	13.0	13.0	11.8	10.0	8.3	7.1	6.5	5.9	7.1	7.7	7.7
145°	11.2	11.2	10.0	7.7	5.9	4.1	3.5	4.1	4.7	5.3	5.9
147.5°	9.4	8.9	7.7	5.9	3.0	1.8	1.2	2.4	3.0	3.0	3.5
150°	7.1	7.1	5.9	4.1	1.8	0.0	0.6	1.2	1.8	1.8	2.4
152.5°	5.3	4.7	4.1	2.4	0.0	0.0	0.0	0.0	0.6	1.2	1.2
155°	3.0	3.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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°	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6
2.5°	197.8	196.0	193.7	191.9	190.1	187.8	186.6	184.8	184.8	184.8	186.0
5°	204.9	202.5	197.2	192.5	187.8	184.2	180.7	178.3	177.1	176.0	176.6
7.5°	217.9	214.9	206.7	198.4	191.9	185.4	180.7	176.6	174.8	174.2	174.2
10°	238.0	232.6	220.2	209.0	199.6	190.7	184.2	178.9	176.6	174.8	174.8
12.5°	265.1	257.4	242.7	227.3	213.2	201.3	191.9	187.8	186.0	184.8	185.4
15°	301.1	292.9	270.4	250.4	232.1	216.1	207.3	203.1	200.8	199.6	199.0
17.5°	343.1	331.3	304.1	278.1	255.1	237.4	226.1	219.7	215.5	213.2	213.7
20°	389.1	373.8	338.9	310.6	281.1	263.3	246.2	235.6	230.3	229.1	229.7
22.5°	441.1	425.1	385.0	343.7	312.9	286.4	265.7	252.1	245.6	245.0	245.0
25°	502.5	481.2	434.0	382.0	342.5	308.8	284.6	268.1	261.0	258.6	258.6
27.5°	572.2	543.8	485.4	425.7	371.4	328.9	300.5	281.7	274.0	272.2	272.2
30°	648.9	619.4	545.0	467.1	399.2	346.6	314.7	294.6	284.6	282.2	282.8
32.5°	733.4	695.0	601.1	511.3	423.4	360.8	324.2	304.1	292.9	289.9	289.9
35°	824.9	780.0	667.8	554.4	446.4	372.0	331.3	310.6	298.2	295.2	294.6
37.5°	927.6	871.5	736.9	594.0	464.7	379.1	336.0	314.7	301.1	297.0	296.4
40°	1035.1	970.7	800.7	630.0	480.1	383.2	337.2	316.5	302.3	295.8	295.2
42.5°	1135.5	1064.6	873.3	663.1	489.5	385.0	336.6	315.9	301.1	292.3	291.7
45°	1246.5	1159.7	940.0	693.2	495.4	383.8	334.2	312.9	298.8	287.6	286.4
47.5°	1362.8	1263.0	1001.4	715.1	497.8	380.3	331.3	310.6	294.6	282.2	281.1
50°	1467.9	1351.6	1058.7	732.2	496.6	374.9	326.5	307.0	291.1	276.9	275.7
52.5°	1570.6	1444.3	1103.6	741.6	490.7	369.0	322.4	302.9	287.0	272.2	270.4
55°	1663.9	1517.5	1143.7	745.8	483.0	361.4	316.5	299.4	283.4	267.5	265.7
57.5°	1736.0	1586.6	1173.3	740.4	471.2	352.5	310.6	294.1	279.3	263.3	261.6
60°	1789.1	1632.1	1186.8	730.4	457.6	342.5	303.5	288.7	275.2	259.8	258.0
62.5°	1821.0	1657.4	1183.9	712.7	440.5	332.4	297.0	283.4	271.0	255.7	254.5
65°	1815.7	1647.4	1161.5	684.4	422.2	319.4	287.0	276.3	265.1	250.9	249.2
67.5°	1772.6	1606.7	1116.0	648.9	401.5	306.5	277.5	266.9	257.4	245.0	241.5
70°	1695.8	1531.7	1050.4	604.6	377.9	291.7	266.3	256.3	248.0	236.2	232.6
72.5°	1566.5	1422.4	967.2	558.6	352.5	274.6	251.5	243.3	234.4	225.0	220.8
75°	1418.9	1285.4	869.2	504.3	325.3	257.4	236.2	227.9	219.7	209.6	206.1
77.5°	1258.3	1130.2	767.6	456.4	297.6	238.0	219.1	212.0	203.7	193.1	188.9
80°	1066.4	964.2	659.6	401.5	269.8	219.1	201.3	193.7	184.8	174.8	170.6
82.5°	893.4	803.0	559.8	351.9	242.1	199.6	184.2	173.0	164.7	154.7	147.6
85°	730.4	667.2	469.4	302.3	216.1	179.5	164.2	154.7	145.3	133.4	128.7
87.5°	587.5	533.8	385.6	261.0	190.7	160.0	145.8	136.4	125.8	113.4	109.2
90°	464.7	431.6	320.6	224.4	168.9	143.5	129.3	119.3	107.5	96.2	93.9
92.5°	368.5	345.4	265.1	190.7	148.8	127.0	114.0	103.9	92.1	80.9	77.4
95°	296.4	274.0	217.3	166.5	130.5	111.6	100.4	90.9	79.1	67.9	65.5
97.5°	236.8	219.1	178.3	139.9	114.6	99.2	89.2	79.1	67.3	57.3	56.1
100°	185.4	174.8	147.6	120.5	101.0	88.0	78.5	69.7	57.9	47.8	47.2
102.5°	148.2	142.3	122.8	103.9	88.6	77.9	70.3	60.8	50.2	40.7	40.2
105°	119.3	115.7	102.2	89.2	78.5	69.7	62.6	53.1	42.5	34.8	34.8
107.5°	96.8	93.9	85.6	76.2	69.1	62.6	54.9	46.6	36.6	30.1	30.1
110°	79.1	77.9	72.6	66.1	60.8	55.5	48.4	40.2	31.3	26.6	26.6



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	66.1	65.5	61.4	57.9	53.7	49.0	43.1	35.4	27.2	23.0	23.6
115°	54.9	54.9	52.6	50.2	47.2	43.7	37.8	30.1	23.0	20.7	20.7
117.5°	46.6	46.1	45.5	43.7	41.9	38.4	32.5	26.0	19.5	18.3	18.9
120°	40.2	40.2	39.0	38.4	36.6	33.1	28.3	21.8	16.5	16.5	16.5
122.5°	34.2	34.8	33.7	33.1	31.9	29.5	24.2	18.3	14.8	14.2	14.8
125°	30.1	30.1	29.5	28.9	27.8	24.8	20.7	15.4	12.4	13.0	13.0
127.5°	25.4	26.0	25.4	24.8	24.2	21.3	17.1	12.4	10.6	11.2	11.2
130°	22.4	22.4	21.8	21.3	20.1	17.7	14.2	10.0	9.4	10.0	10.0
132.5°	18.9	18.9	18.9	17.7	16.5	14.8	11.2	8.3	7.7	8.9	8.9
135°	15.9	15.9	15.9	14.8	13.6	11.2	8.3	6.5	6.5	7.7	7.7
137.5°	13.0	13.6	13.0	11.8	10.6	8.9	6.5	4.7	5.3	6.5	6.5
140°	10.6	10.6	10.0	9.4	7.7	5.9	4.1	3.5	4.7	5.3	5.3
142.5°	8.3	8.3	7.7	6.5	5.3	4.1	2.4	2.4	3.5	4.1	4.1
145°	5.9	5.9	5.3	4.1	3.0	1.8	0.6	1.2	2.4	3.0	3.0
147.5°	3.5	3.5	3.5	3.0	1.8	0.6	0.0	0.6	1.2	1.8	1.8
150°	2.4	2.4	2.4	1.8	1.2	0.0	0.0	0.0	0.6	1.2	1.2
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)