

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: P415142

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4512 lumens
Efficiency: N/A
Efficacy: 112.8 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: B1 - U3 - G3

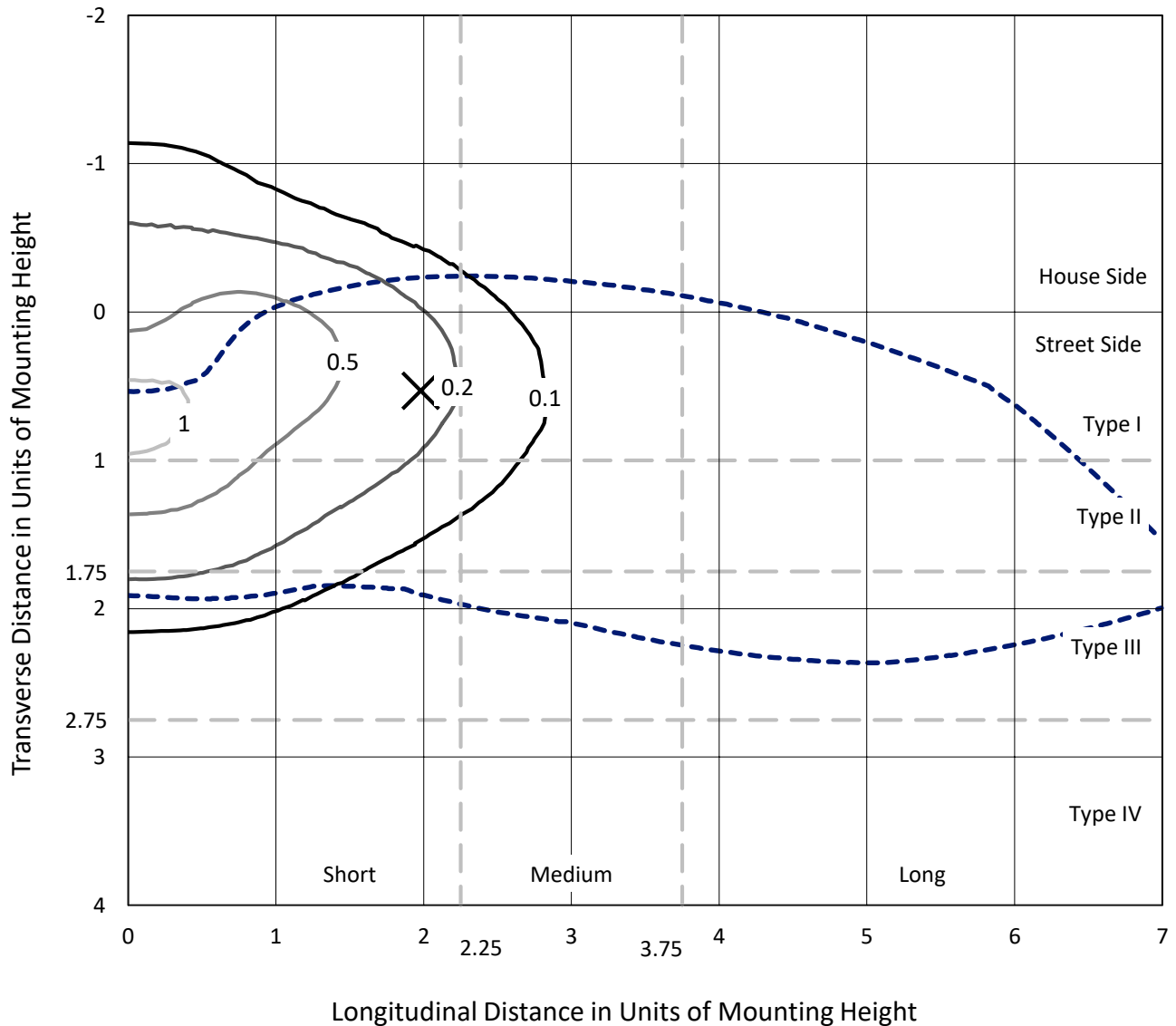
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

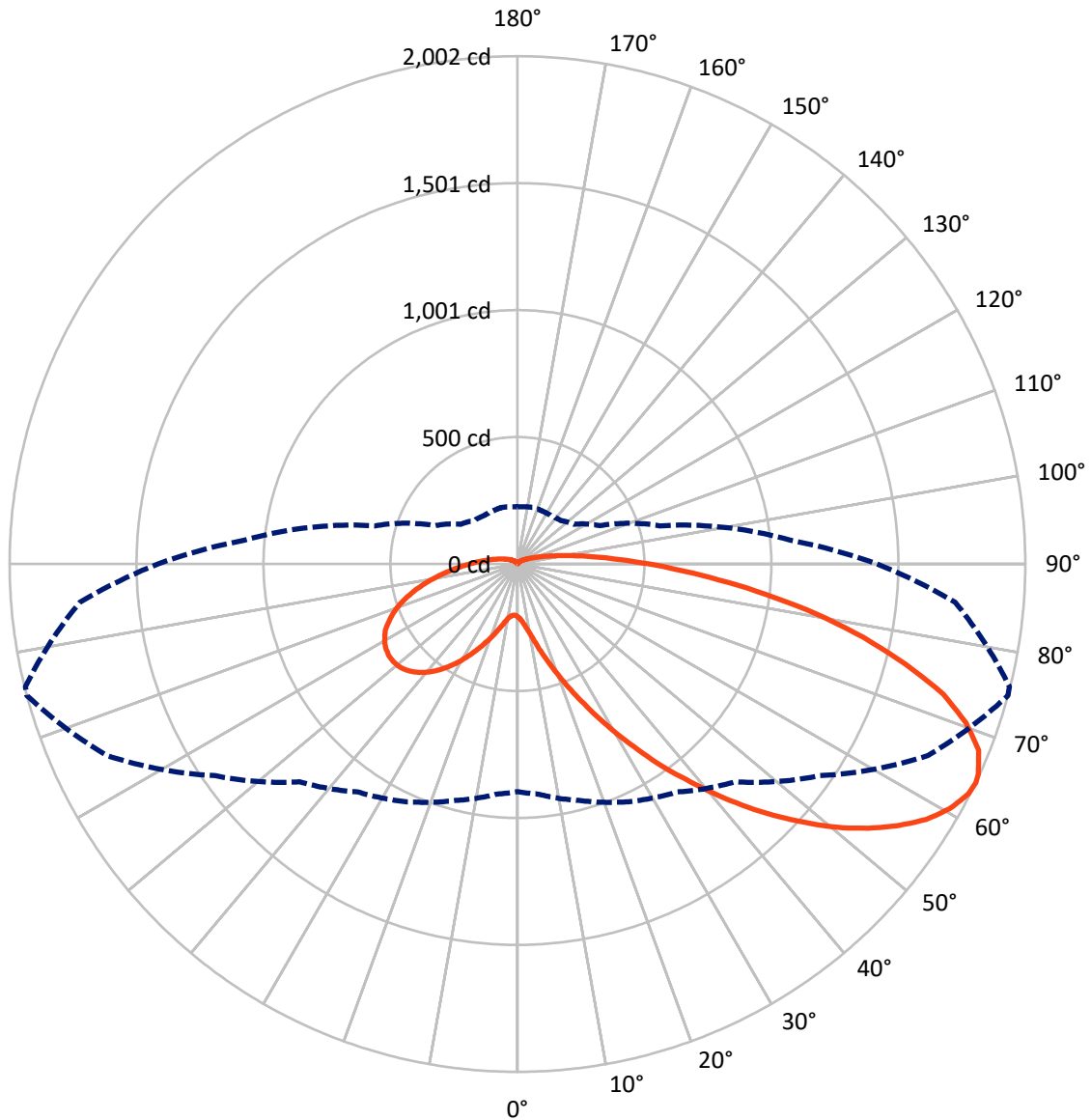
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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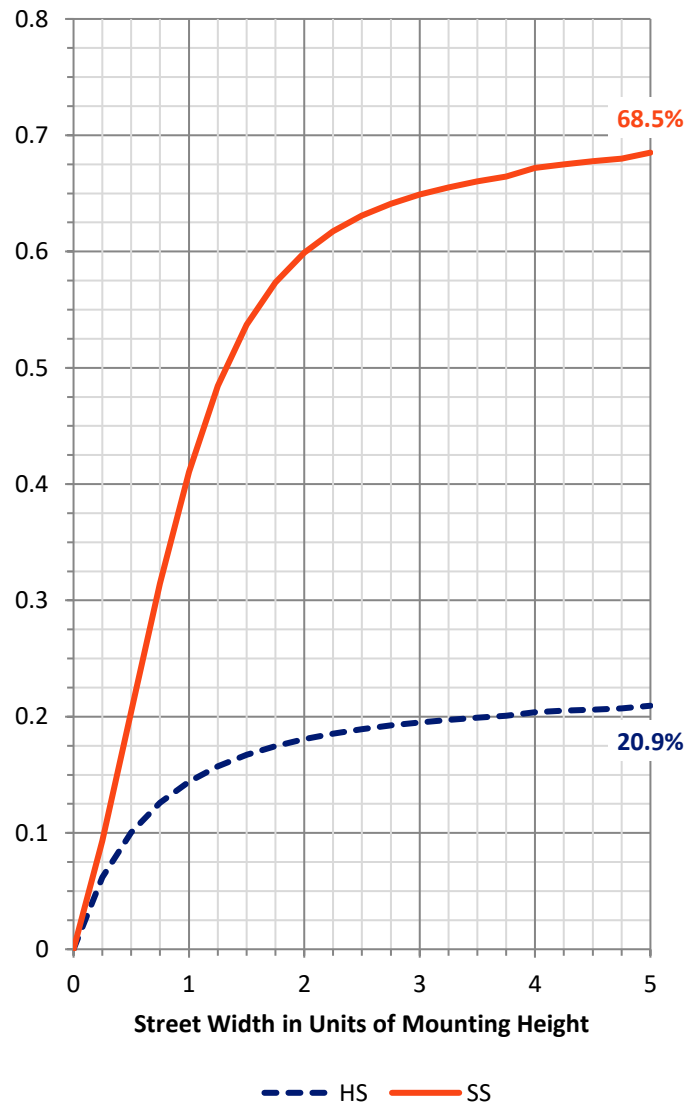
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.2	131.1	1126.2
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3186.4	199.4	3385.8
	% Fixture	70.6	4.4	75.0
Total	Lumens	4181.5	330.5	4512.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.5
10°-20°	91.0	2.0
20°-30°	230.4	5.1
30°-40°	451.2	10.0
40°-50°	701.9	15.6
50°-60°	860.8	19.1
60°-70°	836.8	18.5
70°-80°	631.1	14.0
80°-90°	356.3	7.9
90°-100°	168.1	3.7
100°-110°	81.2	1.8
110°-120°	42.6	0.9
120°-130°	22.9	0.5
130°-140°	11.2	0.2
140°-150°	3.9	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4181.5	92.7
0°-180°	4512.0	100.0



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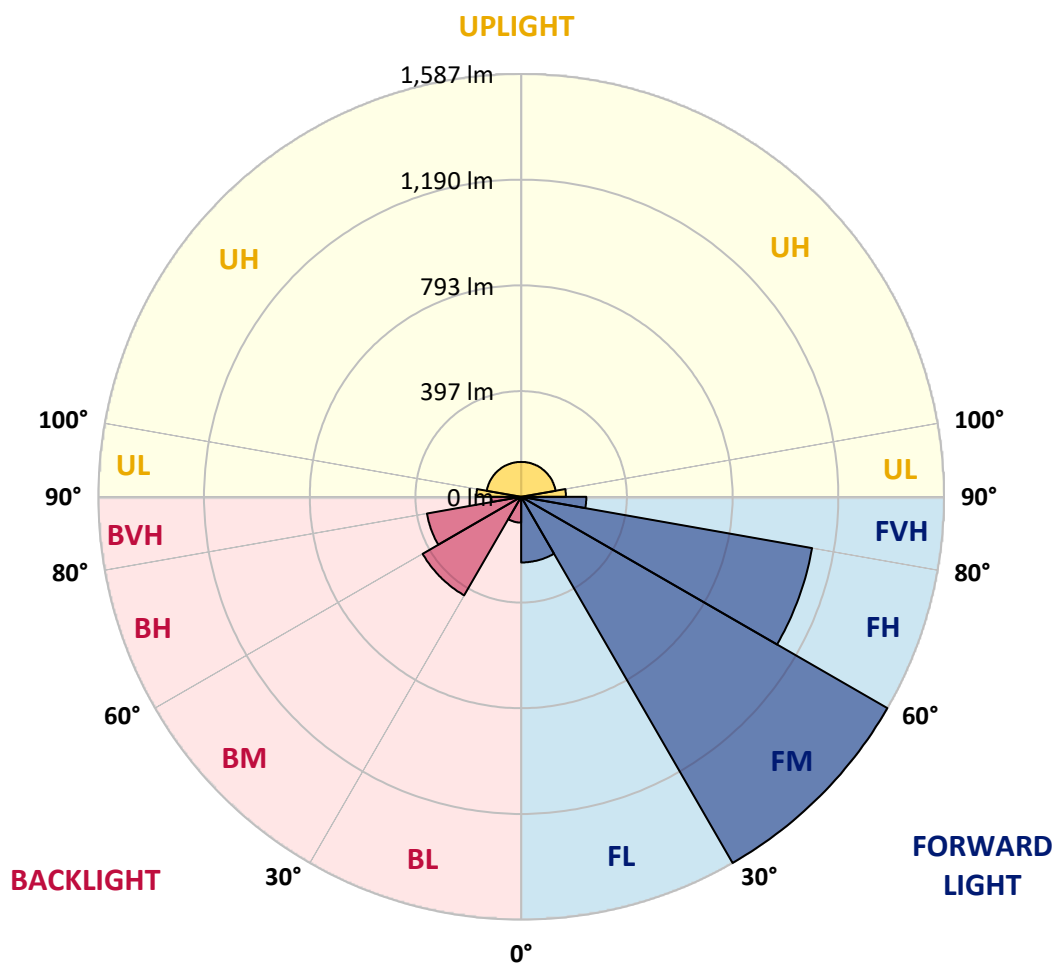
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.5	5.5			
FM	(30°-60°)	1586.9	35.2			
FH	(60°-80°)	1108.6	24.6			G1/1800
FVH	(80°-90°)	244.4	5.4			G3/500
BL	(0°-30°)	96.8	2.1	B0/110		
BM	(30°-60°)	427.1	9.5	B1/1000		
BH	(60°-80°)	359.3	8.0	B1/500		G1/500
BVH	(80°-90°)	111.9	2.5			G2/225
UL	(90°-100°)	168.1	3.7		U3/500	
UH	(100°-180°)	131.1	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	242.5	240.3	239.2	238.7	234.9	231.0	226.6	222.3	217.3	216.2	211.9
5°	280.3	277.6	276.5	273.2	267.7	261.1	251.8	243.1	232.1	232.7	222.8
7.5°	323.5	321.4	318.1	313.1	304.9	296.2	282.5	269.3	254.6	252.9	238.7
10°	372.8	371.2	367.9	360.2	349.8	335.0	321.4	301.6	280.8	279.7	258.9
12.5°	431.9	429.7	420.4	412.8	399.1	385.4	364.6	341.1	318.6	315.9	290.1
15°	498.7	495.4	488.9	476.8	462.0	439.6	417.7	394.2	364.6	359.7	329.6
17.5°	567.2	567.2	558.9	544.7	524.5	504.7	480.7	451.1	413.9	413.3	373.4
20°	653.1	652.0	639.4	618.6	598.4	577.6	548.5	515.2	473.5	469.7	421.0
22.5°	746.2	745.1	729.8	707.3	681.0	651.5	619.2	584.1	538.7	533.8	476.8
25°	846.9	846.4	830.5	796.0	762.6	734.7	701.3	662.4	609.9	608.8	540.3
27.5°	969.5	963.5	938.9	896.7	854.6	818.4	779.6	744.5	692.0	683.8	607.7
30°	1087.8	1084.5	1051.1	1005.7	947.6	900.0	860.6	833.8	779.6	771.9	686.5
32.5°	1209.9	1207.7	1167.2	1114.6	1042.9	983.8	953.1	924.1	872.1	868.8	764.2
35°	1345.1	1336.3	1289.8	1217.5	1134.3	1068.1	1040.7	1027.6	976.1	964.1	849.6
37.5°	1455.7	1449.1	1406.9	1318.8	1220.8	1149.6	1128.8	1120.1	1075.7	1070.8	942.2
40°	1562.4	1557.5	1506.0	1410.8	1299.1	1227.9	1207.1	1221.9	1186.3	1178.7	1035.2
42.5°	1639.6	1633.0	1585.4	1484.1	1367.0	1292.0	1291.4	1325.4	1299.6	1291.4	1131.6
45°	1685.6	1679.0	1639.6	1542.2	1420.1	1347.8	1360.4	1420.1	1412.4	1402.6	1219.7
47.5°	1690.0	1686.1	1657.7	1567.4	1452.4	1391.6	1427.8	1513.2	1521.4	1512.1	1313.9
50°	1650.0	1653.8	1635.8	1564.1	1463.9	1420.1	1482.5	1601.3	1631.4	1620.5	1407.5
52.5°	1574.5	1570.1	1577.8	1526.8	1451.8	1429.9	1519.7	1675.2	1730.5	1719.5	1494.0
55°	1448.6	1451.8	1478.7	1459.5	1414.1	1418.4	1542.2	1733.8	1820.3	1811.5	1572.3
57.5°	1316.1	1308.4	1356.6	1359.9	1347.3	1387.8	1544.9	1778.1	1899.7	1890.3	1639.6
60°	1142.5	1161.1	1204.4	1241.6	1263.5	1336.9	1526.8	1801.1	1957.7	1954.9	1693.8
62.5°	992.5	996.4	1054.9	1111.3	1163.9	1265.2	1486.9	1800.6	1995.5	1992.2	1726.1
64°	897.3	909.9	965.2	1033.6	1096.5	1213.7	1454.0	1785.2	2001.5	1998.7	1731.6
65°	845.3	843.6	909.9	978.8	1046.7	1174.8	1420.6	1768.8	1996.0	1996.0	1729.4
67.5°	702.4	707.9	765.9	845.3	929.0	1071.9	1335.2	1710.2	1959.9	1963.7	1697.6
70°	579.2	587.4	650.9	721.5	814.1	968.4	1229.6	1604.6	1875.0	1880.5	1629.2
72.5°	477.9	487.2	533.8	604.9	707.3	859.5	1110.2	1472.1	1755.1	1757.3	1514.8
75°	388.7	399.1	446.2	508.0	596.7	742.3	979.9	1328.1	1580.5	1591.4	1367.0
77.5°	316.4	327.4	370.6	426.5	510.8	635.0	850.7	1161.7	1394.9	1401.5	1197.8
80°	255.7	267.2	305.5	358.0	431.4	540.9	729.8	991.4	1194.5	1194.5	1023.7
82.5°	207.5	217.3	251.8	297.3	364.1	456.6	613.1	823.9	987.6	988.1	845.8
85°	167.5	173.5	207.5	247.4	302.7	382.7	506.9	670.6	796.5	785.0	681.6
87.5°	134.7	140.1	168.6	207.5	251.3	319.2	416.1	545.8	626.3	630.1	544.2
90°	108.4	111.7	138.0	170.8	211.3	263.9	338.3	434.1	492.7	487.8	426.5
92.5°	88.1	92.0	114.4	144.0	177.9	221.7	278.7	343.8	381.6	382.7	333.4
95°	72.3	74.5	95.3	121.5	152.2	185.6	227.2	273.7	299.5	296.2	259.5
97.5°	60.2	61.3	80.5	104.0	129.2	156.6	189.4	217.9	232.1	229.9	203.1
100°	50.9	52.0	68.4	90.3	111.7	133.6	156.6	175.7	180.7	177.9	159.9
102.5°	44.3	44.9	58.6	78.3	96.4	114.4	130.3	142.3	141.8	141.8	126.5
105°	38.9	39.4	50.9	68.4	84.9	99.1	110.0	116.1	113.9	112.8	101.3
107.5°	35.0	35.6	44.9	60.2	75.0	85.9	94.2	95.8	91.4	90.3	82.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	31.8	31.8	39.4	53.1	66.2	75.0	80.5	80.5	73.9	73.4	67.9
112.5°	29.0	29.6	35.6	47.1	58.6	66.2	69.5	66.8	60.8	60.2	57.5
115°	26.8	27.4	31.8	42.2	52.0	58.6	60.2	56.4	50.4	49.8	47.6
117.5°	25.2	25.7	29.0	37.2	46.5	51.5	52.0	48.2	42.2	41.6	41.1
120°	24.1	24.1	26.8	33.4	41.1	45.4	44.9	41.1	36.1	35.6	35.6
122.5°	23.0	23.0	24.6	29.6	36.1	40.0	39.4	35.0	30.7	30.7	30.7
125°	21.9	21.9	23.0	26.8	32.3	35.0	33.9	30.1	26.3	26.3	27.4
127.5°	20.8	20.8	21.4	23.5	28.5	30.1	29.0	25.2	23.0	23.0	23.5
130°	19.7	19.7	19.7	21.4	24.6	25.7	24.6	21.4	19.7	19.7	20.8
132.5°	18.6	18.6	18.6	18.6	20.8	21.9	20.3	17.5	17.0	17.5	18.1
135°	17.5	17.5	17.0	16.4	17.5	18.1	16.4	14.8	14.8	14.8	15.9
137.5°	16.4	15.9	15.3	14.8	14.2	14.2	13.1	11.5	12.6	12.6	13.7
140°	14.8	14.2	13.7	12.6	11.5	10.9	9.9	9.3	10.4	10.4	10.9
142.5°	13.1	12.6	12.0	10.4	8.8	7.7	6.6	7.1	8.2	8.2	8.8
145°	10.9	10.9	9.9	8.2	6.6	5.5	4.4	4.9	6.0	6.0	6.6
147.5°	9.3	8.8	8.2	6.6	4.4	3.3	2.2	3.3	4.4	4.4	4.9
150°	7.1	6.6	6.0	4.4	2.7	1.1	1.1	2.2	2.7	2.7	3.3
152.5°	4.9	4.9	4.4	2.7	1.1	0.0	0.5	1.1	1.6	1.6	2.2
155°	3.3	2.7	2.2	1.6	0.5	0.0	0.0	0.5	1.1	1.1	1.1
157.5°	1.6	1.6	1.1	1.1	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	209.1	206.9	202.0	197.6	193.3	189.4	187.2	184.5	183.9	183.4	183.4
5°	216.8	211.9	202.0	192.7	183.9	176.8	171.4	165.9	163.1	162.0	161.5
7.5°	229.9	222.3	206.4	192.2	179.0	168.1	159.3	152.7	148.9	146.7	146.2
10°	248.0	237.0	215.1	195.4	177.9	163.7	152.7	145.1	140.1	138.0	137.4
12.5°	276.5	258.9	231.6	203.7	180.7	163.1	150.5	142.3	140.1	138.0	138.0
15°	308.8	291.2	253.5	219.0	189.4	166.4	155.5	150.0	146.7	145.1	144.5
17.5°	350.4	323.5	278.1	235.4	200.4	178.5	164.2	158.2	154.9	153.3	152.7
20°	393.1	361.3	305.5	253.5	215.1	192.7	175.7	166.4	163.1	161.5	161.0
22.5°	444.0	405.7	333.9	272.6	232.1	205.8	186.7	175.7	171.9	170.3	170.8
25°	496.0	454.9	364.6	292.9	248.0	216.8	197.1	184.5	181.8	179.6	179.6
27.5°	559.5	504.7	395.8	315.9	261.7	226.6	206.4	193.8	188.9	188.9	188.3
30°	626.3	557.9	429.7	335.6	273.7	235.4	213.5	202.0	197.1	196.5	196.5
32.5°	691.4	614.8	463.1	355.3	283.0	241.4	220.1	209.1	203.1	202.6	203.1
35°	767.5	672.8	494.3	371.2	291.2	246.4	225.0	215.1	208.6	208.0	208.0
37.5°	839.8	732.5	524.5	383.8	296.7	249.6	228.8	220.1	213.0	212.4	211.9
40°	915.3	788.9	551.8	394.2	299.5	251.8	231.0	223.4	216.8	214.6	214.6
42.5°	992.0	845.8	574.8	400.2	301.1	252.4	232.7	225.5	219.5	215.7	215.7
45°	1063.7	894.5	594.0	403.5	301.1	252.9	233.8	227.2	221.7	216.8	216.2
47.5°	1142.5	943.8	608.8	404.0	299.5	251.8	234.3	228.8	222.8	217.3	216.8
50°	1211.5	990.3	618.1	402.4	297.3	251.3	234.9	229.4	224.5	217.9	217.9
52.5°	1272.3	1027.6	622.5	398.0	294.5	250.2	234.9	230.5	226.1	219.0	218.4
55°	1325.9	1056.6	621.9	391.4	290.1	248.5	234.3	230.5	227.2	219.5	219.5
57.5°	1371.9	1076.8	617.0	383.8	285.8	247.4	234.3	231.0	228.3	221.2	221.2
60°	1403.1	1088.3	607.1	374.5	281.4	245.3	233.8	231.6	229.9	222.8	223.4
62.5°	1417.9	1086.7	591.8	364.6	276.5	243.1	232.7	231.0	230.5	225.0	225.0
64°	1416.8	1079.0	581.4	357.5	273.2	242.0	232.1	230.5	231.0	226.1	226.1
65°	1409.7	1068.1	570.4	352.0	270.4	240.9	231.0	229.9	231.0	226.1	226.1
67.5°	1375.2	1034.1	542.5	338.3	263.3	236.0	227.7	227.2	228.8	225.5	225.0
70°	1306.8	980.5	512.4	320.8	254.6	230.5	222.8	222.3	224.5	221.7	220.6
72.5°	1213.7	906.0	475.7	302.7	244.2	222.8	216.2	215.7	216.8	215.1	213.5
75°	1096.5	818.4	434.7	282.5	232.7	213.0	206.9	205.8	207.5	205.3	204.2
77.5°	966.3	721.5	391.4	261.1	217.9	202.0	196.0	194.3	194.3	191.6	188.9
80°	822.8	622.5	348.2	239.2	202.6	188.3	183.4	181.2	179.6	175.2	172.4
82.5°	687.1	529.4	303.8	216.8	186.1	173.5	168.6	165.9	162.0	156.6	152.7
85°	558.9	440.7	263.3	192.7	169.7	157.7	153.8	148.9	144.0	138.0	133.0
87.5°	448.9	360.8	227.2	171.4	151.1	141.8	137.4	130.8	125.9	119.3	115.0
90°	356.4	295.6	194.3	150.5	134.7	126.5	122.6	116.1	108.9	101.8	98.0
92.5°	287.4	240.9	167.5	133.0	120.4	113.3	108.4	101.8	93.6	86.5	83.8
95°	228.3	194.9	142.9	117.7	106.8	100.2	95.3	89.2	80.5	72.3	70.1
97.5°	180.7	160.4	122.1	103.5	94.7	89.2	83.8	78.3	69.5	61.3	60.2
100°	145.1	130.3	104.6	91.4	83.8	78.8	74.5	68.4	60.2	51.5	51.5
102.5°	117.2	107.8	89.8	80.5	74.5	70.1	65.7	60.2	52.0	44.3	43.8
105°	95.8	89.2	77.2	71.2	66.2	63.0	58.6	52.6	44.9	37.8	37.2
107.5°	79.9	73.9	66.8	63.0	59.1	55.8	52.6	46.5	38.9	32.8	32.8



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	65.7	63.5	58.0	55.3	53.1	49.8	46.5	40.5	33.4	29.0	29.0
112.5°	55.8	53.7	50.9	49.3	47.1	44.9	41.1	35.6	29.0	25.7	25.7
115°	47.1	46.0	44.3	43.2	42.2	40.0	36.1	30.7	24.6	22.4	23.0
117.5°	41.1	40.5	39.4	38.9	37.8	35.0	31.8	26.8	21.4	20.3	20.3
120°	35.6	35.6	34.5	34.5	33.4	31.2	27.4	23.0	18.6	18.1	18.1
122.5°	31.2	31.2	30.7	30.7	29.6	27.4	24.1	19.7	15.9	15.9	16.4
125°	27.4	27.4	26.8	26.8	26.3	24.1	20.8	17.0	14.2	14.2	14.2
127.5°	24.1	24.1	24.1	23.5	22.4	20.8	17.5	14.2	12.6	12.6	12.6
130°	21.4	21.4	20.8	20.8	19.7	17.5	14.8	12.0	10.4	11.5	11.5
132.5°	18.6	18.6	18.6	17.5	16.4	14.8	12.0	9.9	9.3	9.9	9.9
135°	15.9	16.4	15.9	15.3	14.2	12.0	9.9	8.2	8.2	8.8	8.8
137.5°	13.7	13.7	13.7	12.6	11.5	9.9	7.7	6.6	7.1	7.7	7.7
140°	11.5	11.5	10.9	10.4	9.3	7.7	6.0	4.9	6.0	6.6	6.6
142.5°	9.3	9.3	8.8	8.2	6.6	5.5	3.8	3.8	4.9	5.5	5.5
145°	7.1	7.1	6.6	6.0	4.9	3.3	2.7	3.3	4.4	4.4	4.4
147.5°	4.9	4.9	4.9	3.8	2.7	1.6	1.1	2.2	3.3	3.3	3.8
150°	3.3	3.3	3.3	2.7	1.6	0.5	0.5	1.6	2.2	2.7	2.7
152.5°	2.2	2.2	2.2	1.6	1.1	0.0	0.0	1.1	1.6	1.6	1.6
155°	1.1	1.1	1.1	1.1	0.5	0.0	0.0	0.5	1.1	1.1	1.1
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	1.1	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	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)