

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: P415133

Luminaire Tested: **LXF.LXT-PA1-40-750-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
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-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554 lumens
Efficiency: N/A
Efficacy: 113.8 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

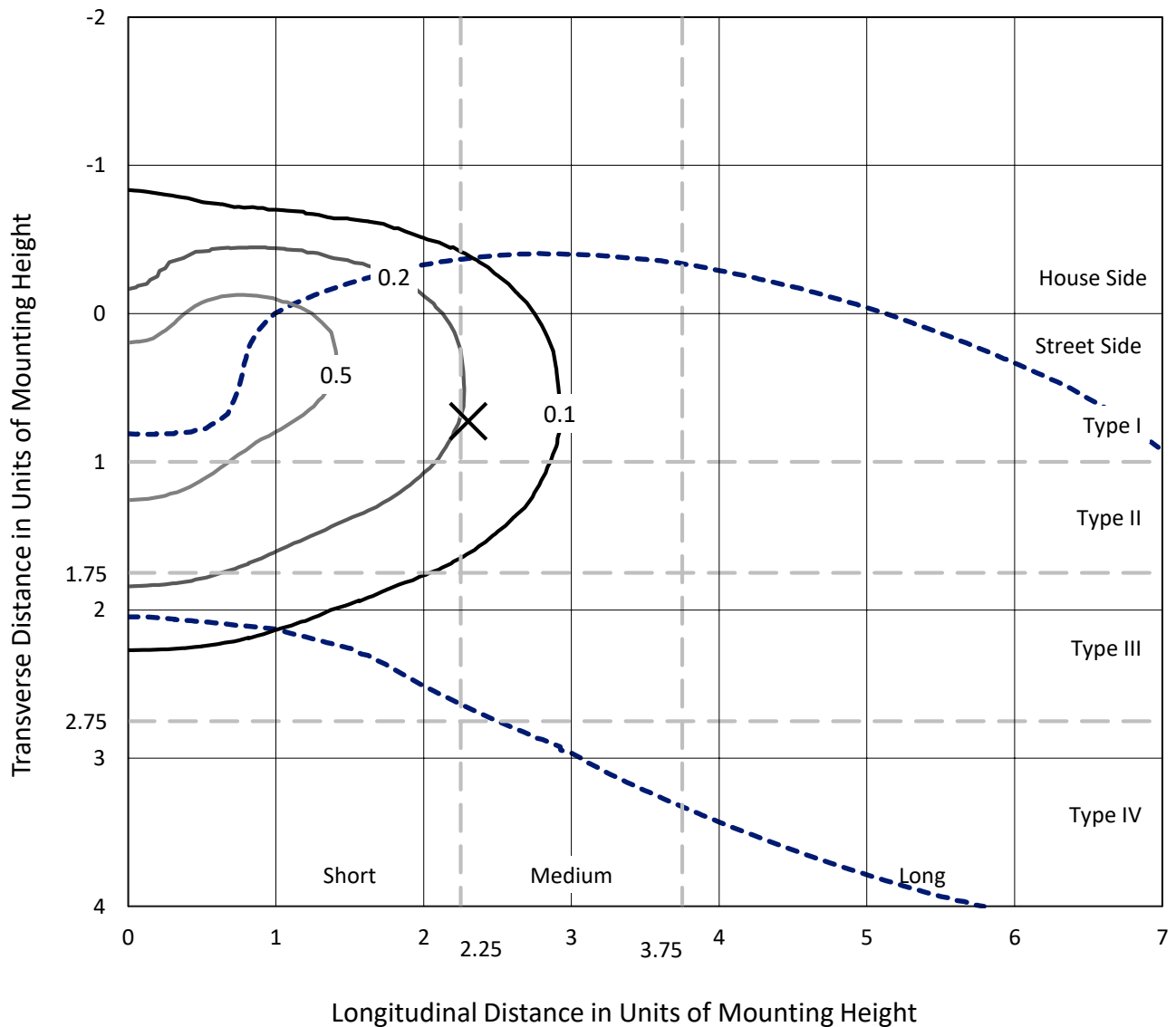
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

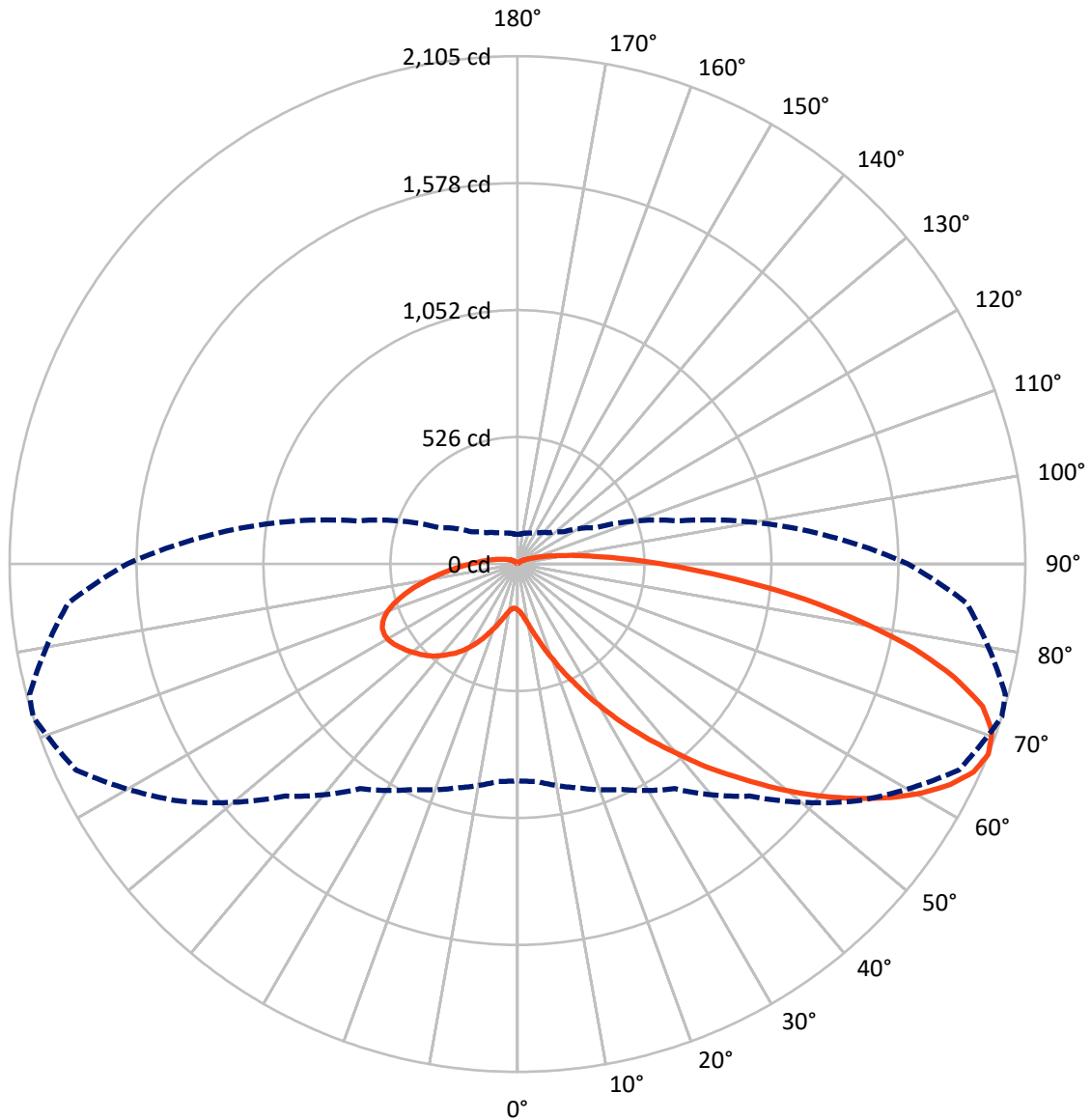
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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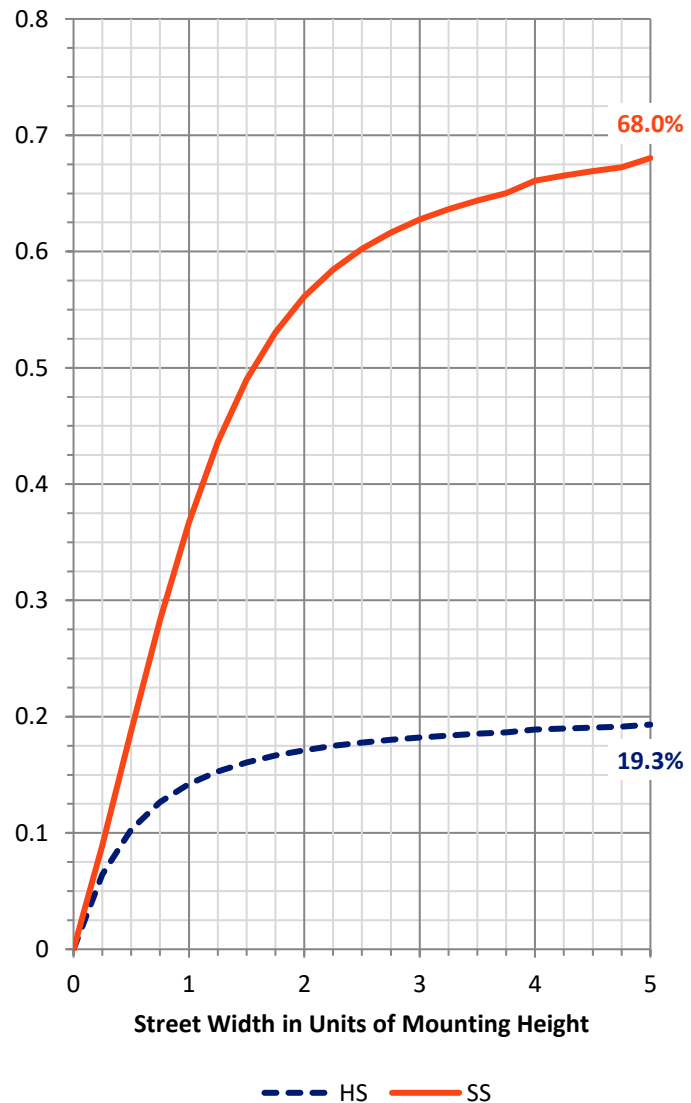
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	924.8	131.5	1056.3
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3242.7	255.0	3497.7
	% Fixture	71.2	5.6	76.8
Total	Lumens	4167.4	386.5	4554.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.4
10°-20°	77.7	1.7
20°-30°	187.6	4.1
30°-40°	357.6	7.9
40°-50°	575.6	12.6
50°-60°	796.5	17.5
60°-70°	915.1	20.1
70°-80°	785.5	17.2
80°-90°	452.2	9.9
90°-100°	204.4	4.5
100°-110°	93.9	2.1
110°-120°	47.2	1.0
120°-130°	24.5	0.5
130°-140°	11.6	0.3
140°-150°	4.0	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4167.4	91.5
0°-180°	4554.0	100.0



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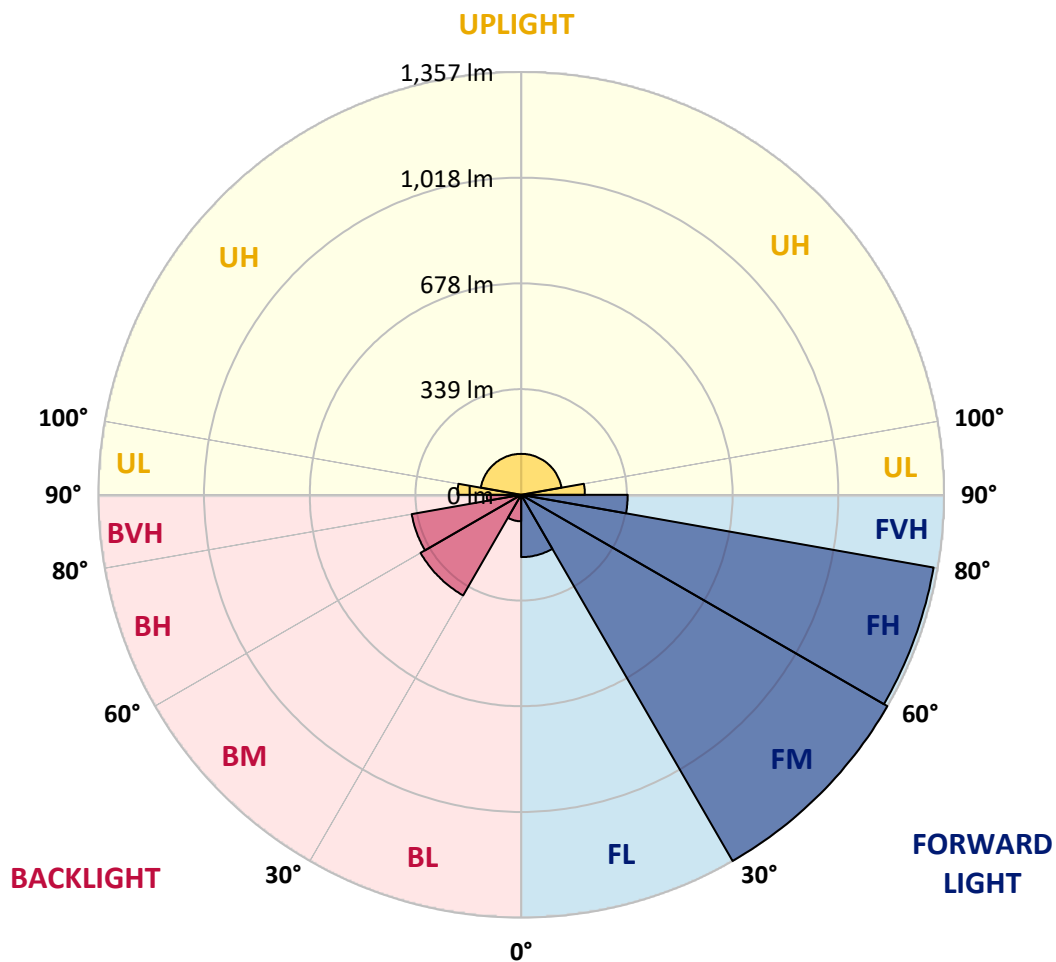
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.0	4.4			
FM	(30°-60°)	1356.8	29.8			
FH	(60°-80°)	1344.0	29.5			G1/1800
FVH	(80°-90°)	341.9	7.5			G3/500
BL	(0°-30°)	84.9	1.9	B0/110		
BM	(30°-60°)	372.9	8.2	B1/1000		
BH	(60°-80°)	356.6	7.8	B1/500		G1/500
BVH	(80°-90°)	110.4	2.4			G2/225
UL	(90°-100°)	204.4	4.5		U3/500	
UH	(100°-180°)	131.5	2.9		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°	72.5°	75°	85°
0°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
2.5°	213.0	212.4	213.0	211.3	209.7	206.4	204.2	199.8	197.6	196.5	192.2
5°	243.1	242.5	242.0	239.8	234.3	230.5	223.9	216.3	211.3	209.1	202.0
7.5°	275.9	274.8	273.7	268.8	265.0	258.4	248.6	238.7	230.5	228.9	215.7
10°	313.2	312.1	309.9	306.0	298.9	289.6	280.9	266.6	256.2	251.3	237.1
12.5°	351.5	353.7	350.9	343.3	335.1	326.3	313.7	300.0	289.1	285.2	263.3
15°	398.0	399.7	396.9	388.2	379.4	366.3	356.4	342.2	327.4	325.2	301.1
17.5°	449.5	448.9	443.5	435.3	427.6	417.2	403.0	389.8	373.4	369.6	340.0
20°	505.3	503.1	498.2	484.5	477.4	465.4	456.6	438.5	422.7	417.2	387.6
22.5°	561.2	560.1	555.7	543.1	534.3	523.9	510.8	494.4	483.4	472.5	439.6
25°	631.3	624.7	619.2	596.8	588.6	578.7	567.2	553.5	543.1	537.1	499.3
27.5°	701.3	696.4	683.8	667.4	651.5	635.6	630.7	618.7	615.4	610.5	567.7
30°	770.9	768.7	755.0	734.2	711.2	695.9	693.1	694.2	689.3	683.3	637.8
32.5°	849.7	844.8	829.4	801.5	777.4	759.4	759.4	767.0	771.4	765.4	717.2
35°	926.9	922.5	903.4	868.9	842.0	820.1	828.9	847.0	857.4	857.4	797.7
37.5°	1008.5	998.6	978.9	942.8	906.6	890.8	900.6	931.8	947.2	947.2	886.9
40°	1079.6	1079.1	1052.3	1009.0	973.4	949.9	980.0	1021.6	1041.9	1040.2	976.7
42.5°	1150.8	1150.3	1124.5	1076.9	1032.0	1020.0	1057.8	1116.3	1149.2	1149.2	1067.6
45°	1214.9	1210.5	1188.6	1136.0	1094.4	1089.0	1144.8	1219.3	1253.2	1258.7	1166.2
47.5°	1262.0	1258.1	1239.0	1188.1	1148.6	1158.5	1225.8	1320.5	1366.5	1366.0	1266.9
50°	1293.7	1289.9	1273.5	1229.7	1195.7	1220.4	1314.0	1427.9	1485.3	1489.7	1366.5
52.5°	1303.0	1300.8	1292.1	1255.9	1234.0	1276.2	1396.6	1537.4	1602.5	1606.3	1475.5
55°	1287.1	1287.1	1286.6	1264.7	1255.9	1326.0	1482.1	1644.1	1714.7	1721.9	1582.8
57.5°	1249.9	1251.6	1261.4	1254.3	1267.4	1366.0	1554.3	1740.5	1825.9	1830.3	1678.6
60°	1193.5	1190.2	1212.1	1225.3	1260.9	1391.2	1618.4	1837.4	1926.6	1928.3	1762.9
62.5°	1108.1	1109.8	1141.5	1176.0	1237.3	1401.6	1674.8	1922.2	2012.6	2016.4	1828.6
65°	1007.4	1011.2	1054.5	1112.5	1196.8	1390.6	1707.1	1987.4	2077.7	2072.8	1866.4
67.5°	898.4	903.9	960.3	1030.9	1136.6	1360.0	1712.5	2018.6	2104.6	2093.6	1869.7
70°	779.1	793.3	849.7	941.7	1058.8	1301.4	1680.8	2013.1	2086.5	2076.1	1821.0
72.5°	670.7	681.1	742.9	838.8	971.8	1216.5	1613.5	1950.2	2015.9	1995.1	1719.1
75°	562.8	578.7	637.3	739.7	877.6	1111.4	1499.0	1828.6	1869.1	1846.7	1567.5
77.5°	470.8	485.1	543.1	641.7	774.2	1001.4	1349.0	1644.1	1677.5	1654.5	1375.8
80°	383.8	399.7	456.1	553.0	677.2	872.2	1177.1	1428.4	1441.0	1404.9	1164.5
82.5°	320.8	329.0	381.6	467.0	581.4	752.3	1000.8	1198.5	1199.0	1155.8	946.1
85°	262.2	267.2	315.4	392.6	490.6	635.6	821.8	965.2	954.3	930.7	729.3
87.5°	212.4	217.4	260.6	330.1	412.8	530.5	670.7	759.9	734.2	715.6	566.1
90°	174.1	179.6	215.2	275.4	346.6	438.0	533.8	587.5	564.5	550.2	436.3
92.5°	142.3	147.8	179.0	230.5	293.5	358.6	424.3	449.5	433.6	417.2	329.0
95°	120.4	121.5	149.5	192.7	242.5	289.6	332.3	347.1	325.2	319.2	254.6
97.5°	99.1	102.4	124.3	162.6	202.6	241.4	263.3	271.0	251.3	238.2	194.9
100°	84.3	86.0	105.1	135.8	168.6	196.5	213.5	209.7	192.2	184.5	147.8
102.5°	72.3	73.9	89.2	117.7	143.4	163.7	171.9	165.9	149.5	144.5	116.1
105°	63.5	64.1	76.6	99.6	121.5	138.5	141.8	132.5	116.6	110.0	91.4
107.5°	56.4	56.9	66.8	86.5	105.1	116.6	117.7	107.3	92.0	87.1	73.4
110°	50.4	51.5	58.6	75.0	90.9	99.6	98.5	87.6	73.4	69.0	60.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	45.4	46.5	52.0	65.7	78.8	86.5	83.8	70.6	58.6	55.8	49.8
115°	41.6	42.7	47.1	58.0	69.5	75.0	70.6	58.6	48.2	44.9	41.6
117.5°	38.9	39.4	42.7	51.5	60.2	64.6	59.7	48.7	39.4	37.2	35.6
120°	36.1	36.7	39.4	45.4	53.1	55.3	50.4	40.0	32.8	31.8	31.2
122.5°	33.9	33.9	36.1	40.5	46.0	47.6	42.7	33.4	27.9	26.8	27.4
125°	31.8	31.8	32.8	36.1	40.0	41.1	35.6	27.9	23.5	23.0	24.1
127.5°	29.6	29.6	30.1	32.3	34.5	34.5	29.6	23.0	20.3	19.7	21.4
130°	27.4	27.4	27.4	28.5	29.6	29.0	24.1	19.2	17.5	17.5	18.6
132.5°	25.2	25.2	25.2	25.2	24.6	23.5	19.7	15.3	15.3	15.3	16.4
135°	22.4	22.4	22.4	21.9	20.8	19.2	15.3	12.6	12.6	13.1	14.2
137.5°	20.3	20.3	19.7	18.6	17.0	14.8	12.0	9.9	10.9	10.9	12.0
140°	17.5	17.5	17.0	15.3	13.1	10.9	8.8	8.2	8.8	9.3	10.4
142.5°	14.8	14.8	14.2	12.6	10.4	7.7	6.0	6.0	7.1	7.1	8.2
145°	12.0	12.0	11.5	9.9	7.1	4.9	3.8	4.4	5.5	5.5	6.0
147.5°	9.3	9.3	8.8	7.1	4.9	3.3	2.2	3.3	3.8	3.8	4.4
150°	6.6	6.6	6.0	4.9	3.3	1.6	1.1	1.6	2.2	2.7	2.7
152.5°	4.4	4.4	3.8	3.3	1.6	0.5	1.1	1.6	1.6	1.6	2.2
155°	2.7	2.2	2.2	1.6	0.5	0.0	0.5	1.1	1.1	1.1	1.6
157.5°	1.1	1.1	1.1	1.1	0.5	0.0	0.5	0.5	0.5	1.1	1.1
160°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
162.5°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
165°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
167.5°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
170°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
172.5°	0.0	0.5	0.5	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
175°	0.0	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.0	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
2.5°	191.1	188.9	185.6	182.3	179.0	176.8	174.6	173.6	171.9	170.3	170.3
5°	197.6	193.3	185.6	177.9	170.8	164.8	158.8	155.5	153.3	151.1	151.7
7.5°	209.7	203.1	190.5	177.9	166.4	156.6	148.4	141.8	137.4	134.7	135.2
10°	226.7	219.5	200.4	182.3	165.9	151.7	140.2	130.9	125.4	122.6	122.6
12.5°	253.5	241.4	216.3	190.5	168.6	149.5	134.7	123.7	116.1	112.8	112.2
15°	285.8	268.8	238.2	206.4	175.2	149.5	130.3	122.6	117.7	115.5	115.0
17.5°	324.1	305.5	263.3	221.2	184.0	152.7	136.3	127.0	121.5	119.4	118.8
20°	365.7	343.8	290.7	239.8	192.7	162.6	142.3	130.9	124.8	122.6	122.6
22.5°	416.6	387.6	320.3	256.2	203.7	170.8	148.4	134.1	128.7	126.5	125.9
25°	469.2	436.3	355.3	273.7	215.7	177.4	152.7	137.4	131.9	129.8	130.3
27.5°	531.1	488.9	389.8	291.3	226.1	181.2	154.9	140.2	134.7	133.0	133.6
30°	595.7	542.6	420.5	309.3	233.2	184.0	156.6	142.3	136.3	135.2	135.2
32.5°	664.1	603.9	452.2	325.2	237.6	184.5	156.6	143.4	137.4	136.9	137.4
35°	734.2	663.0	482.9	337.8	239.8	184.0	156.0	144.5	137.4	137.4	137.4
37.5°	811.9	721.0	508.6	346.6	240.3	182.3	155.5	144.0	137.4	137.4	138.0
40°	891.9	782.9	537.1	353.7	239.8	181.2	154.9	144.0	137.4	137.4	138.0
42.5°	971.2	840.4	563.9	358.1	238.7	180.1	154.4	144.0	137.4	136.3	136.9
45°	1057.2	907.2	589.6	360.8	237.6	179.6	154.4	143.4	137.4	135.2	135.8
47.5°	1137.1	969.1	610.5	364.1	237.1	179.6	154.9	143.4	136.9	134.7	134.7
50°	1227.5	1033.1	631.8	365.2	236.0	179.6	154.9	143.4	136.3	133.0	133.6
52.5°	1316.7	1097.7	652.6	367.4	236.0	180.1	155.5	143.4	135.8	131.4	131.4
55°	1402.1	1155.2	671.2	369.0	236.0	181.2	157.1	143.4	135.2	129.8	129.8
57.5°	1480.4	1214.3	689.8	369.6	236.0	182.3	157.1	144.0	134.7	128.1	128.1
60°	1549.9	1265.2	703.0	370.1	235.4	183.4	158.2	143.4	134.1	126.5	126.5
62.5°	1599.2	1304.1	709.5	368.5	235.4	183.4	158.8	143.4	133.6	125.9	125.4
65°	1627.1	1317.8	705.7	363.5	234.3	183.4	158.2	142.9	132.5	124.8	124.3
67.5°	1617.8	1303.0	689.3	355.9	231.6	182.9	158.2	141.8	132.5	124.3	123.2
70°	1567.5	1258.7	658.1	344.4	227.8	180.7	156.0	140.2	131.4	123.7	122.6
72.5°	1468.9	1169.4	612.6	326.3	221.2	177.4	153.3	137.4	129.2	122.1	120.4
75°	1332.0	1063.2	557.3	307.7	213.0	173.0	150.0	134.7	126.5	119.9	118.3
77.5°	1156.3	921.4	496.0	283.6	202.6	167.0	145.6	130.3	122.6	116.6	114.4
80°	974.0	776.3	429.8	258.4	191.6	159.3	139.1	124.8	117.7	112.2	109.5
82.5°	788.4	637.8	367.9	234.3	179.0	150.6	132.5	118.8	112.2	106.2	103.5
85°	621.9	504.2	308.2	209.1	165.9	141.8	124.8	111.7	105.7	99.1	96.4
87.5°	484.0	400.2	257.9	186.1	151.7	131.9	116.6	104.6	97.5	91.4	89.2
90°	377.2	315.4	215.7	164.2	139.1	122.1	107.9	96.9	89.8	83.8	81.0
92.5°	287.4	249.7	180.7	145.1	126.5	112.2	99.6	89.2	82.1	75.6	72.8
95°	225.0	198.2	152.7	127.6	113.9	101.8	91.4	81.6	73.9	66.8	65.2
97.5°	174.6	158.8	128.7	111.7	102.9	92.0	82.7	73.9	66.2	59.1	57.5
100°	138.0	126.5	109.0	99.1	91.4	82.7	74.5	66.8	58.6	50.9	50.4
102.5°	109.0	104.0	92.5	87.1	81.0	74.5	67.3	59.1	50.9	43.8	43.3
105°	89.2	84.9	79.4	76.1	72.3	66.2	59.7	52.6	44.3	37.8	37.8
107.5°	72.3	70.1	67.3	66.8	64.1	59.1	53.7	46.5	38.3	32.8	32.8
110°	59.1	58.6	58.6	58.6	56.9	53.1	47.6	40.5	32.3	28.5	28.5



REPORT NUMBER: P415133

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	49.8	49.8	50.4	51.5	50.4	46.5	41.6	35.0	27.9	24.6	24.6
115°	42.2	42.7	44.3	44.9	44.3	41.6	36.7	30.1	23.5	21.4	21.9
117.5°	36.7	36.7	38.9	40.0	39.4	36.7	31.8	25.7	20.3	19.2	19.2
120°	31.8	32.8	34.5	35.0	34.5	31.8	27.9	21.9	17.5	17.0	17.0
122.5°	27.9	28.5	30.1	31.2	30.1	27.9	23.5	18.6	14.8	14.8	15.3
125°	24.6	25.2	26.3	27.4	26.3	23.5	20.3	15.3	13.1	13.1	13.1
127.5°	21.9	22.4	23.5	23.5	22.4	20.3	17.0	13.1	10.9	11.5	11.5
130°	19.2	19.7	20.3	20.3	19.7	17.5	14.2	10.9	9.9	10.4	10.4
132.5°	17.0	17.5	17.5	17.5	16.4	14.8	12.0	9.3	8.8	9.3	9.3
135°	14.8	14.8	15.3	14.8	13.7	12.0	9.3	7.7	7.7	8.2	8.2
137.5°	12.6	13.1	13.1	12.0	10.9	9.3	7.7	6.6	6.6	7.1	7.1
140°	10.4	10.9	10.4	9.9	8.8	7.7	6.0	4.9	5.5	6.0	6.0
142.5°	8.8	8.8	8.8	7.7	6.6	5.5	4.4	4.4	4.9	4.9	5.5
145°	6.6	6.6	6.6	6.0	4.9	3.8	3.3	3.3	3.8	4.4	4.4
147.5°	4.9	4.9	4.9	4.4	3.3	2.7	2.2	2.7	3.3	3.8	3.3
150°	3.3	3.3	3.3	2.7	2.2	1.6	1.6	2.2	2.7	2.7	2.7
152.5°	2.2	2.2	2.2	2.2	1.6	0.5	1.1	1.6	2.2	2.2	2.2
155°	1.6	1.6	1.6	1.6	1.1	0.0	0.5	1.1	1.6	1.6	1.6
157.5°	1.1	1.1	1.1	1.1	0.5	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.5	1.1	1.1	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.0
165°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
167.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
170°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
172.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
175°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)