

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: P415164

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765 lumens
Efficiency: N/A
Efficacy: 119.1 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

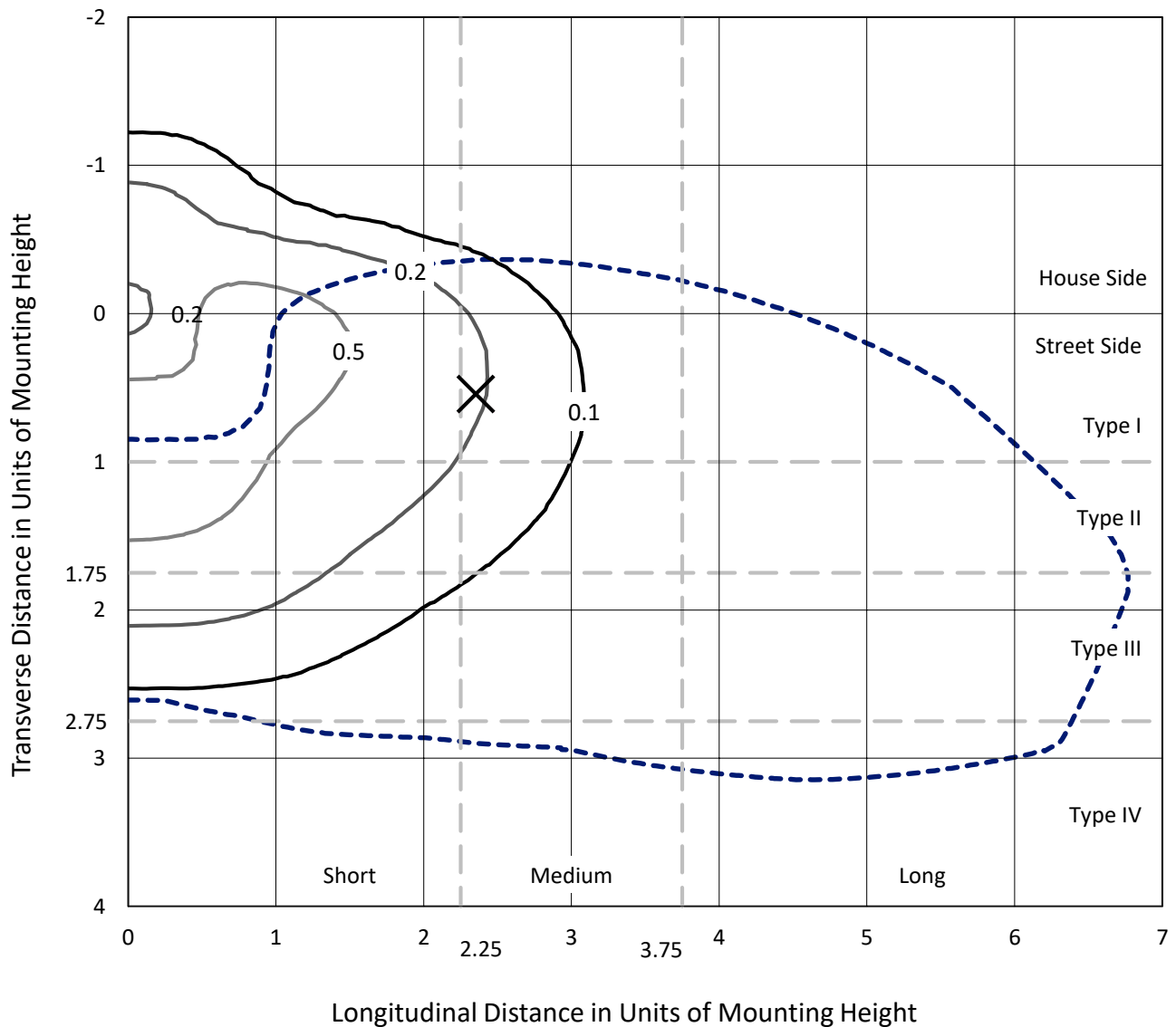
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415164
 CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

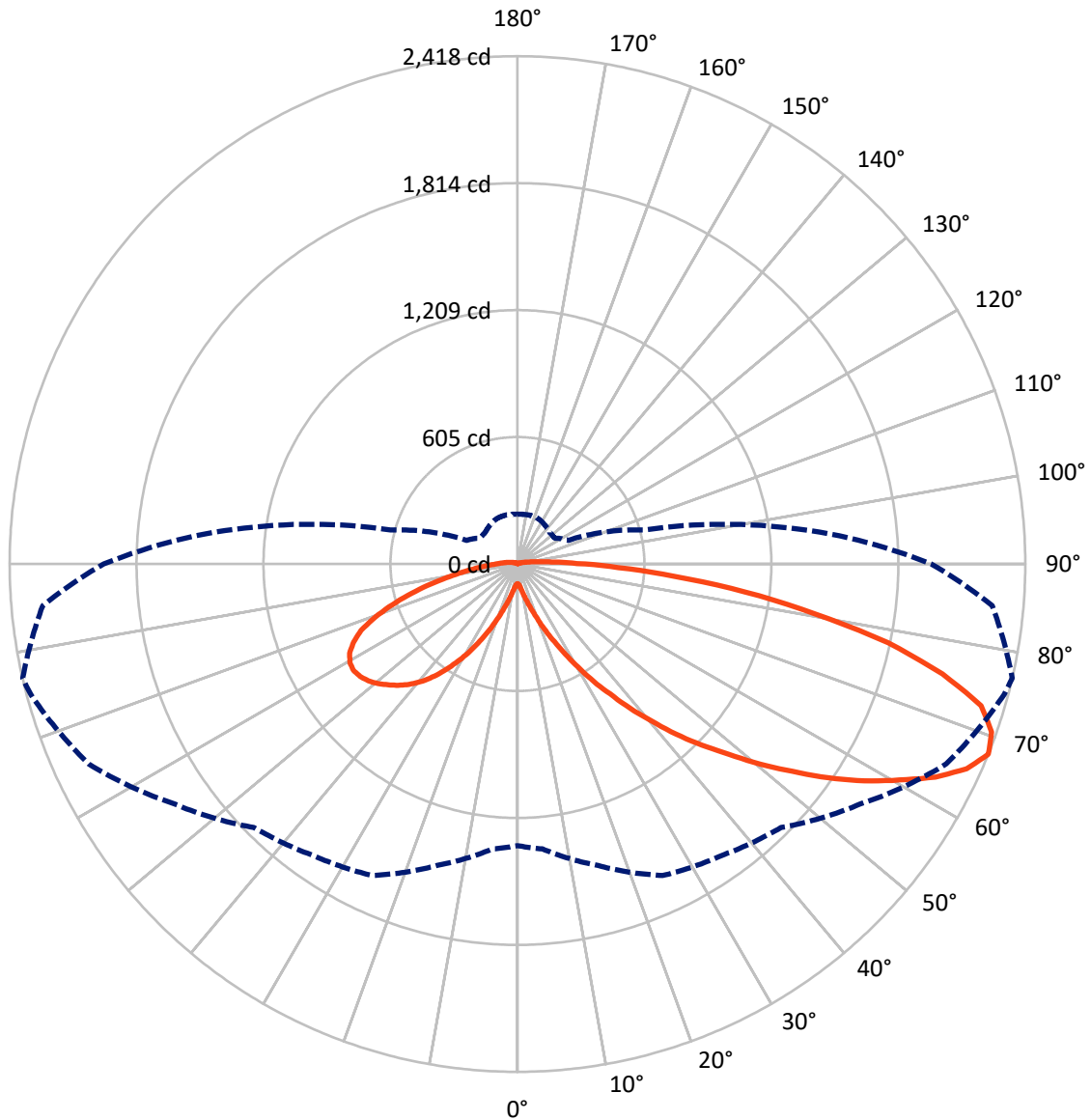
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415164
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415164

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

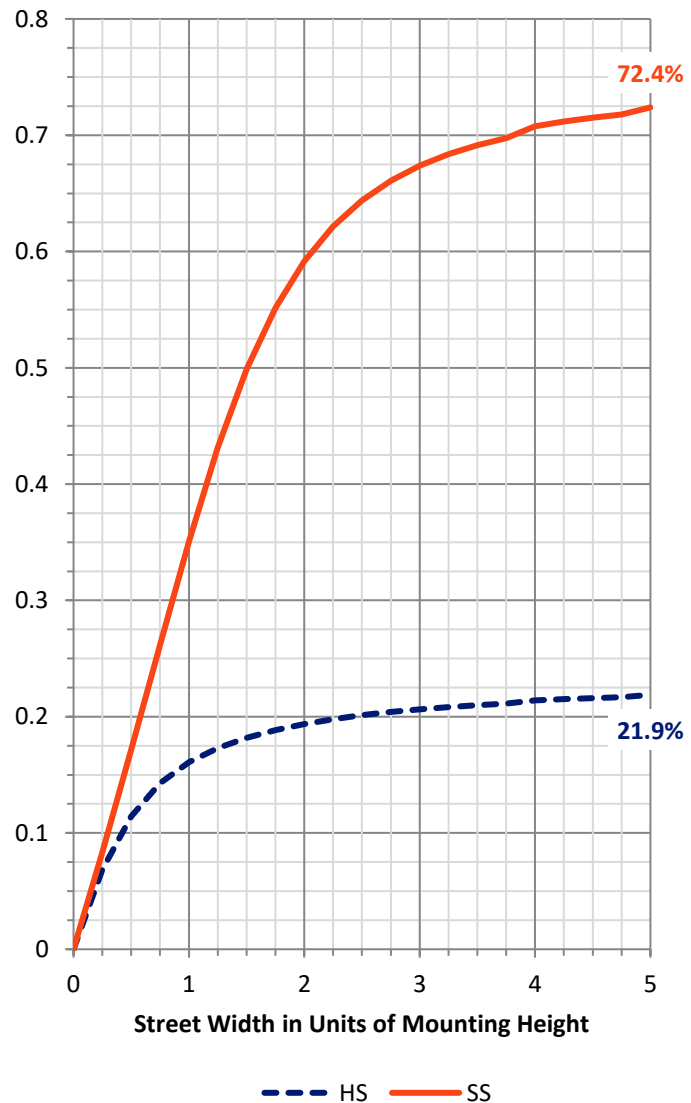
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1087.1	71.6	1158.7
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	3526.6	79.7	3606.3
	% Fixture	74.0	1.7	75.7
Total	Lumens	4613.7	151.3	4765.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.2
10°-20°	55.3	1.2
20°-30°	165.1	3.5
30°-40°	365.7	7.7
40°-50°	654.9	13.7
50°-60°	980.8	20.6
60°-70°	1156.1	24.3
70°-80°	882.7	18.5
80°-90°	342.2	7.2
90°-100°	87.2	1.8
100°-110°	33.0	0.7
110°-120°	15.5	0.3
120°-130°	8.3	0.2
130°-140°	4.6	0.1
140°-150°	2.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4613.7	96.8
0°-180°	4765.0	100.0



REPORT NUMBER: P415164

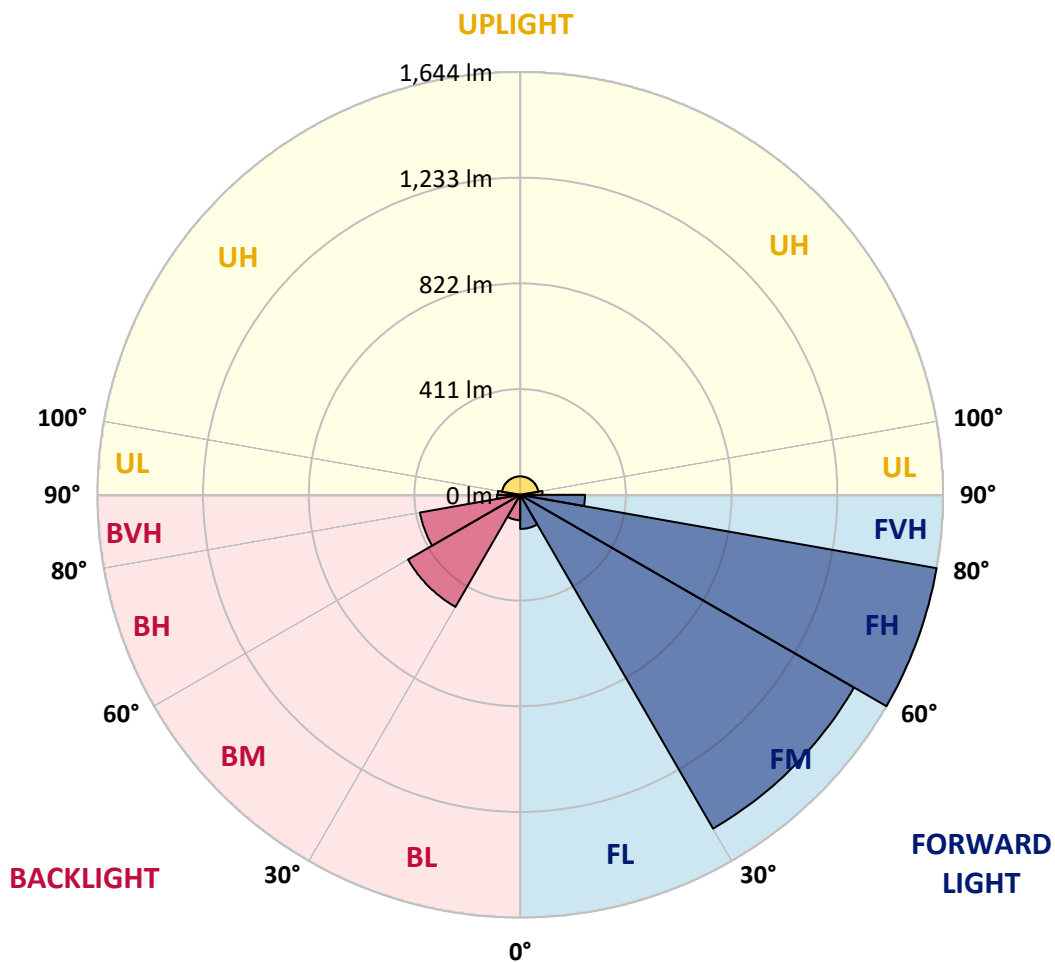
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.8	2.8			
FM	(30°-60°)	1498.2	31.4			
FH	(60°-80°)	1643.5	34.5			G1/1800
FVH	(80°-90°)	252.0	5.3			G3/500
BL	(0°-30°)	98.4	2.1	B0/110		
BM	(30°-60°)	503.2	10.6	B1/1000		
BH	(60°-80°)	395.3	8.3	B1/500		G1/500
BVH	(80°-90°)	90.2	1.9			G1/100
UL	(90°-100°)	87.2	1.8		U3/500	
UH	(100°-180°)	71.6	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415164

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	99.1	98.5	99.1	99.1	99.6	98.5	97.4	96.9	96.3	96.3	95.8
5°	109.5	108.4	108.9	109.5	108.9	107.8	106.2	105.7	104.6	104.6	103.5
7.5°	124.3	124.3	123.7	122.6	123.7	122.1	121.0	120.4	118.8	118.2	117.7
10°	146.7	145.6	145.1	144.0	142.9	142.3	140.1	140.1	137.4	138.5	136.9
12.5°	175.7	173.5	174.1	171.9	168.6	166.4	165.3	164.8	164.8	164.8	164.2
15°	210.8	209.1	208.6	203.6	200.4	197.6	195.4	196.0	198.7	199.3	197.1
17.5°	250.7	253.5	248.5	244.2	239.2	233.8	233.8	233.8	235.9	237.6	236.5
20°	306.6	301.1	295.6	288.5	280.3	275.9	273.7	280.3	284.1	286.9	285.8
22.5°	367.9	362.4	356.4	344.9	333.4	325.2	325.2	333.4	342.1	345.4	346.5
25°	437.4	440.7	425.9	408.4	387.6	380.5	381.6	393.6	406.7	409.5	416.0
27.5°	523.3	523.3	510.8	482.8	455.5	441.2	442.3	462.0	481.7	485.6	490.5
30°	627.9	624.1	607.1	569.9	533.7	506.9	511.8	535.9	567.1	570.4	576.4
32.5°	744.5	744.0	711.1	665.1	613.1	581.4	583.6	618.6	657.5	666.8	673.3
35°	873.7	877.0	834.3	767.5	707.3	664.6	671.7	711.7	757.1	759.3	767.5
37.5°	1021.5	1019.9	969.0	896.1	806.4	760.9	755.5	809.6	857.3	871.5	867.1
40°	1185.2	1167.7	1118.4	1028.1	917.5	856.7	857.8	913.7	978.3	982.6	981.5
42.5°	1346.7	1339.0	1279.3	1157.3	1039.0	967.3	970.0	1023.7	1090.5	1107.5	1095.4
45°	1520.8	1501.6	1437.0	1311.1	1167.1	1089.4	1082.3	1142.5	1215.8	1229.0	1217.5
47.5°	1661.5	1649.4	1592.5	1458.4	1304.5	1204.9	1193.9	1267.8	1351.6	1352.7	1335.7
50°	1778.1	1772.0	1727.1	1608.3	1437.6	1334.1	1322.6	1395.9	1483.5	1497.8	1473.1
52.5°	1878.8	1868.9	1846.5	1729.3	1558.5	1444.7	1443.0	1523.5	1633.0	1639.6	1616.0
55°	1911.1	1917.1	1913.8	1831.2	1677.3	1554.2	1567.8	1676.2	1774.2	1797.2	1752.9
57.5°	1906.2	1906.2	1937.4	1899.6	1756.7	1653.2	1682.8	1813.6	1941.2	1948.3	1895.2
60°	1831.7	1833.3	1908.3	1918.7	1813.6	1738.1	1807.6	1953.2	2084.1	2088.4	2038.6
62.5°	1724.4	1720.6	1830.6	1883.2	1820.8	1788.5	1896.8	2075.3	2218.7	2233.5	2158.5
65°	1556.9	1564.0	1682.8	1787.4	1783.5	1807.6	1966.4	2185.3	2328.2	2349.6	2241.2
67.5°	1340.7	1361.5	1486.3	1636.3	1694.3	1774.2	1992.1	2252.7	2399.4	2418.0	2269.1
70°	1110.7	1105.8	1241.0	1429.3	1542.7	1688.8	1963.6	2255.4	2401.0	2395.0	2209.4
72.5°	842.5	863.3	984.8	1176.4	1344.5	1526.8	1871.1	2185.3	2309.1	2308.0	2051.8
75°	598.9	611.5	718.8	910.4	1110.7	1337.4	1686.6	2032.6	2123.5	2090.6	1823.5
77.5°	395.2	406.7	499.3	673.9	859.5	1099.2	1438.6	1766.0	1838.3	1804.3	1532.3
80°	245.8	251.3	321.3	459.8	624.6	851.8	1164.9	1444.1	1472.6	1438.1	1179.7
82.5°	146.2	150.5	200.9	295.1	445.1	620.2	878.1	1106.9	1116.2	1092.7	850.7
85°	89.8	95.8	128.1	197.1	296.7	437.4	612.0	769.1	775.7	748.3	562.2
87.5°	58.6	61.9	87.0	128.1	199.8	292.9	410.0	511.8	497.1	480.1	355.3
90°	40.0	42.2	59.7	88.1	135.2	193.8	259.5	320.2	296.7	283.6	215.7
92.5°	27.9	30.1	43.8	63.5	93.6	129.7	168.6	191.6	181.7	175.7	135.8
95°	21.9	23.0	33.4	49.3	69.5	92.0	111.7	118.8	112.8	108.4	91.4
97.5°	17.5	18.6	27.9	40.0	54.2	68.4	77.7	79.9	73.9	71.7	63.5
100°	14.8	15.9	23.5	33.4	44.3	54.2	58.0	57.5	52.6	51.5	46.0
102.5°	13.1	13.7	20.8	29.0	37.8	43.8	46.0	43.2	38.3	37.8	34.5
105°	11.5	12.6	18.1	25.2	32.3	37.2	37.2	33.9	28.5	27.9	26.3
107.5°	10.9	10.9	15.9	21.9	27.9	31.2	31.2	27.4	22.4	21.3	20.3
110°	9.9	10.4	14.2	19.2	24.1	26.8	26.3	21.9	17.0	16.4	15.9



REPORT NUMBER: P415164

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	9.3	9.3	12.6	17.0	20.8	23.0	21.9	18.1	13.7	13.1	12.6
115°	8.8	8.8	11.5	15.3	18.6	20.3	18.6	14.8	10.9	10.4	10.9
117.5°	8.2	8.8	10.4	13.7	16.4	17.5	15.9	12.6	9.3	8.8	9.3
120°	8.2	8.2	9.9	12.0	14.2	15.3	13.7	10.4	7.7	7.7	8.2
122.5°	8.2	8.2	9.3	10.9	12.6	13.1	11.5	8.8	7.1	7.1	7.7
125°	7.7	7.7	8.8	9.9	11.5	11.5	10.4	7.7	6.0	6.0	7.1
127.5°	7.7	7.7	8.2	9.3	10.4	10.4	8.8	6.6	5.5	6.0	6.6
130°	7.1	7.1	7.7	8.2	9.3	8.8	7.7	6.0	4.9	5.5	6.0
132.5°	7.1	7.1	7.1	7.7	8.2	7.7	6.6	4.9	4.9	4.9	5.5
135°	6.6	6.6	7.1	7.1	7.1	6.6	5.5	4.4	4.4	4.4	4.9
137.5°	6.6	6.6	6.6	6.6	6.6	6.0	4.9	3.8	3.8	3.8	4.4
140°	6.0	6.0	6.0	5.5	5.5	4.9	3.8	3.3	3.3	3.3	3.8
142.5°	5.5	5.5	5.5	4.9	4.9	3.8	3.3	2.7	2.7	3.3	3.3
145°	4.9	4.9	4.9	4.4	3.8	3.3	2.2	2.2	2.7	2.7	3.3
147.5°	3.8	3.8	3.8	3.8	2.7	2.7	1.6	2.2	2.2	2.7	2.7
150°	3.3	3.3	3.3	3.3	2.2	1.6	1.1	1.6	2.2	2.2	2.2
152.5°	2.7	2.7	2.7	2.7	1.6	1.1	1.1	1.6	1.6	1.6	2.2
155°	1.6	1.6	2.2	1.6	1.1	0.5	1.1	1.1	1.6	1.6	1.6
157.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1	1.6
160°	0.5	0.5	1.1	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1
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



REPORT NUMBER: P415164

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	95.3	95.8	95.3	94.7	94.7	94.2	94.2	94.2	94.2	93.6	93.6
5°	104.0	103.5	102.9	101.8	100.7	99.6	99.6	99.1	98.5	98.0	98.0
7.5°	116.1	116.1	115.0	113.3	111.7	110.6	109.5	108.9	107.3	107.3	106.7
10°	134.7	134.7	131.4	129.7	127.0	124.3	123.2	121.5	120.4	119.9	119.3
12.5°	161.5	159.8	156.6	151.1	145.6	141.2	138.5	137.4	138.0	138.0	138.5
15°	196.0	192.7	187.8	177.4	167.5	160.9	159.3	159.3	159.8	159.8	160.4
17.5°	237.0	232.1	221.2	208.0	193.8	185.0	181.2	181.2	182.3	183.9	185.6
20°	286.9	282.5	265.5	242.5	221.2	209.7	203.1	202.5	204.7	209.7	208.6
22.5°	343.2	338.3	313.1	279.7	250.2	231.6	224.4	226.6	232.1	235.4	235.4
25°	411.1	402.9	365.1	316.4	278.6	252.4	243.1	246.3	254.6	258.4	260.0
27.5°	483.9	473.0	422.6	356.4	301.1	269.3	259.5	263.9	273.7	279.7	281.4
30°	570.4	551.3	482.8	393.6	321.3	281.4	271.0	279.2	290.1	297.3	298.9
32.5°	661.3	631.7	534.8	425.4	336.1	289.6	279.2	289.0	301.1	309.3	309.8
35°	752.2	718.2	592.3	451.1	343.8	293.4	282.5	294.0	307.1	313.7	315.3
37.5°	850.7	803.6	642.1	467.5	347.1	292.9	282.5	294.0	306.6	312.0	313.1
40°	945.4	887.4	686.5	477.4	346.0	288.5	278.6	290.7	301.6	305.5	304.9
42.5°	1051.6	968.4	722.1	477.9	338.3	281.9	273.7	284.1	291.8	291.2	291.8
45°	1152.9	1054.4	748.3	474.1	327.9	273.7	267.1	276.5	279.2	276.5	275.9
47.5°	1264.0	1139.7	769.1	464.2	315.3	266.1	260.0	267.1	267.7	261.7	260.6
50°	1381.7	1225.1	788.3	446.2	300.5	257.3	253.5	259.5	258.4	248.5	246.9
52.5°	1496.7	1311.6	800.3	424.3	285.8	249.6	248.0	254.0	250.7	239.2	237.0
55°	1619.3	1391.6	802.5	402.4	271.5	243.1	243.1	249.6	245.8	233.8	232.1
57.5°	1739.2	1475.3	794.3	373.9	257.8	235.9	239.2	246.9	244.2	232.1	231.0
60°	1851.4	1538.3	771.9	347.1	245.2	231.0	236.5	245.2	243.1	233.2	232.1
62.5°	1938.5	1579.9	736.3	320.8	234.3	226.1	233.8	242.5	243.1	234.8	235.4
65°	1979.0	1579.9	684.8	294.5	224.4	221.2	231.0	240.9	242.0	237.0	237.0
67.5°	1970.2	1539.4	626.8	267.1	215.1	215.1	227.2	237.6	239.8	237.6	237.6
70°	1877.7	1429.9	547.4	245.2	205.8	208.0	221.2	232.1	235.4	235.9	235.4
72.5°	1727.1	1265.1	465.3	222.3	196.0	200.9	213.5	224.4	228.8	229.9	229.4
75°	1494.5	1074.1	384.8	203.1	185.6	191.6	204.7	214.0	219.0	221.2	220.1
77.5°	1201.1	852.3	315.3	183.9	173.5	180.1	192.7	200.4	206.4	209.1	206.9
80°	915.3	634.5	250.7	164.8	158.8	165.9	176.8	185.0	190.5	191.6	190.0
82.5°	649.8	450.0	200.9	146.7	142.9	148.9	158.8	164.2	170.8	170.3	167.0
85°	425.9	305.5	157.7	127.6	125.9	129.7	137.4	140.7	147.3	147.3	143.4
87.5°	277.0	202.5	124.3	107.3	108.9	112.2	116.1	118.8	121.5	122.1	118.8
90°	176.8	138.5	99.1	91.4	93.1	95.8	95.8	95.3	99.6	100.7	98.0
92.5°	116.1	98.5	82.1	77.7	78.8	79.4	79.4	77.2	81.0	81.6	79.4
95°	81.6	73.9	67.9	66.8	66.8	66.8	65.7	63.0	66.2	66.2	65.1
97.5°	61.3	57.5	56.9	56.9	56.9	56.4	54.7	53.6	54.7	54.7	54.2
100°	46.0	45.4	47.1	48.2	48.7	48.2	47.1	45.4	45.4	43.2	43.8
102.5°	35.0	36.1	39.4	41.1	41.1	41.1	40.5	38.3	37.2	35.0	34.5
105°	27.4	28.5	32.3	34.5	35.0	35.6	34.5	32.3	30.1	27.9	27.4
107.5°	21.3	23.0	26.3	29.0	30.1	30.1	29.6	27.4	24.6	21.9	21.9
110°	17.5	18.6	21.9	24.6	25.7	25.7	25.2	22.4	19.7	17.5	17.5



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	15.3	18.6	20.8	21.9	22.4	21.3	19.2	16.4	14.2	14.2
115°	12.0	13.1	15.9	17.5	18.6	18.6	18.1	15.9	13.7	12.0	12.0
117.5°	10.4	11.5	13.7	15.3	15.9	16.4	15.3	13.7	11.5	10.4	10.4
120°	9.3	9.9	12.0	13.1	13.7	13.7	13.1	11.5	9.9	9.3	9.3
122.5°	8.2	9.3	10.4	11.5	12.0	12.0	11.5	9.9	8.8	8.2	8.8
125°	7.7	8.2	9.3	10.4	10.4	10.4	9.9	8.8	7.7	7.7	7.7
127.5°	7.1	7.7	8.2	8.8	9.3	9.3	8.8	7.7	7.1	7.1	7.1
130°	6.6	7.1	7.7	7.7	8.2	8.2	7.7	6.6	6.6	6.6	6.6
132.5°	6.0	6.6	6.6	7.1	7.1	7.1	6.6	6.0	6.0	6.0	6.0
135°	5.5	5.5	6.0	6.0	6.0	6.0	5.5	5.5	5.5	5.5	5.5
137.5°	4.9	4.9	5.5	4.9	5.5	4.9	4.9	4.4	4.9	4.9	4.9
140°	4.4	4.4	4.4	4.4	4.4	4.4	3.8	3.8	4.4	4.4	4.4
142.5°	3.8	3.8	3.8	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8
145°	3.3	3.3	3.3	2.7	2.7	2.2	2.7	2.7	3.3	3.3	3.3
147.5°	2.7	2.7	2.7	2.7	2.2	1.6	1.6	2.2	2.7	2.7	2.7
150°	2.2	2.7	2.7	2.2	1.6	1.1	1.1	1.6	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.6	1.1	0.5	0.5	1.1	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	1.1	1.1	1.1	1.1
157.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.5	1.1	0.5	0.5
160°	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.5	0.5	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)