

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: P415158

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4763 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 III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

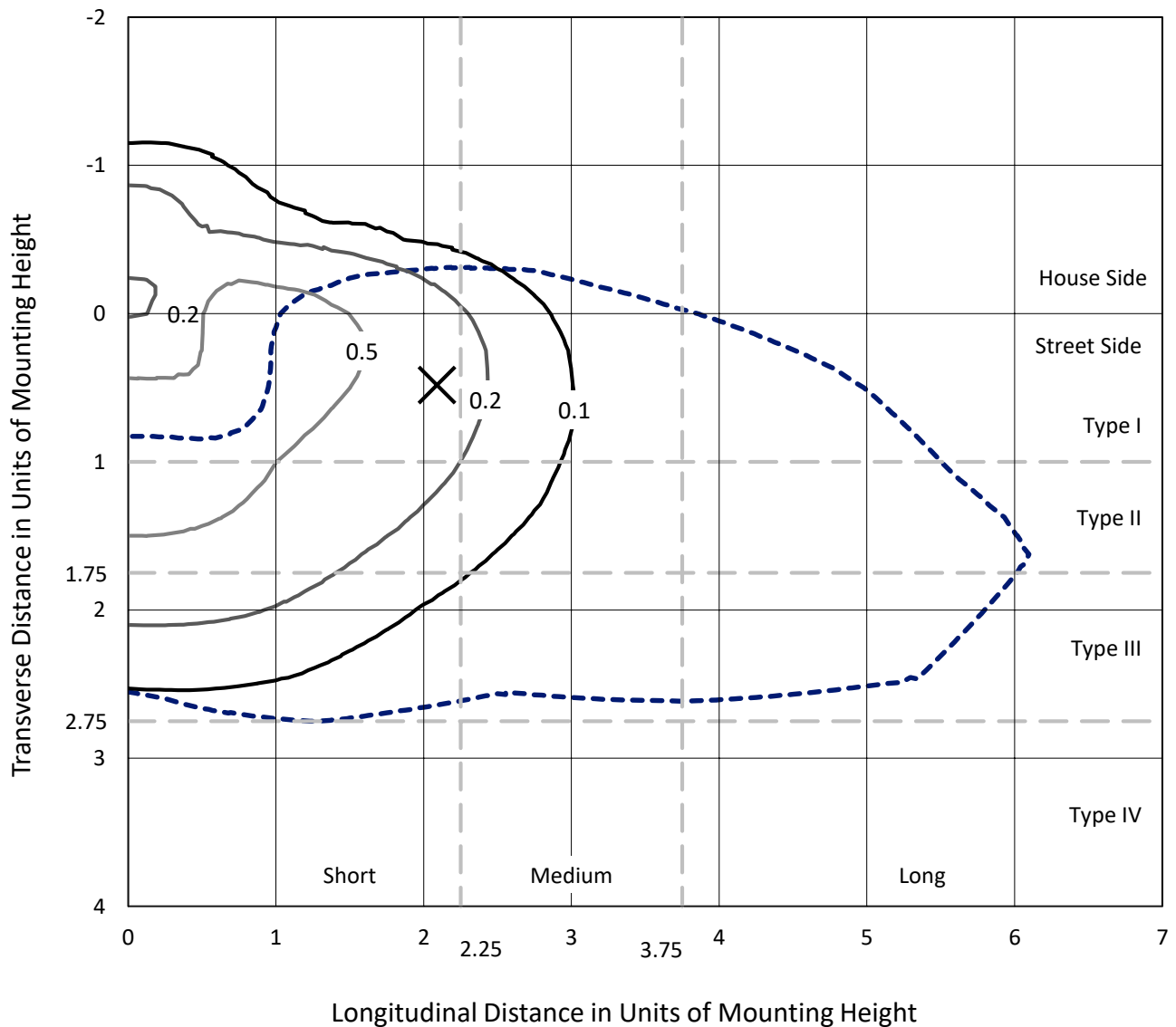
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

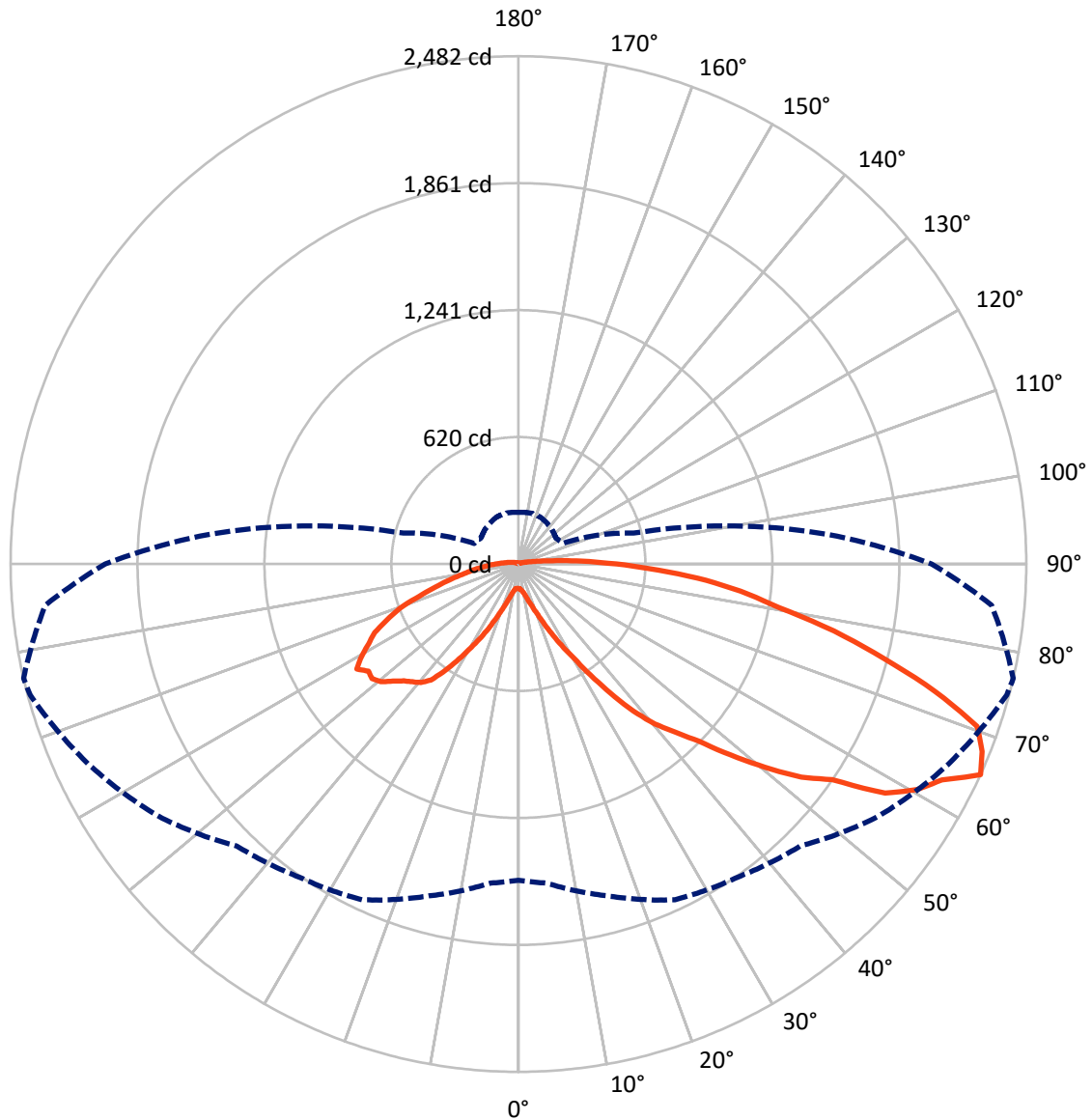
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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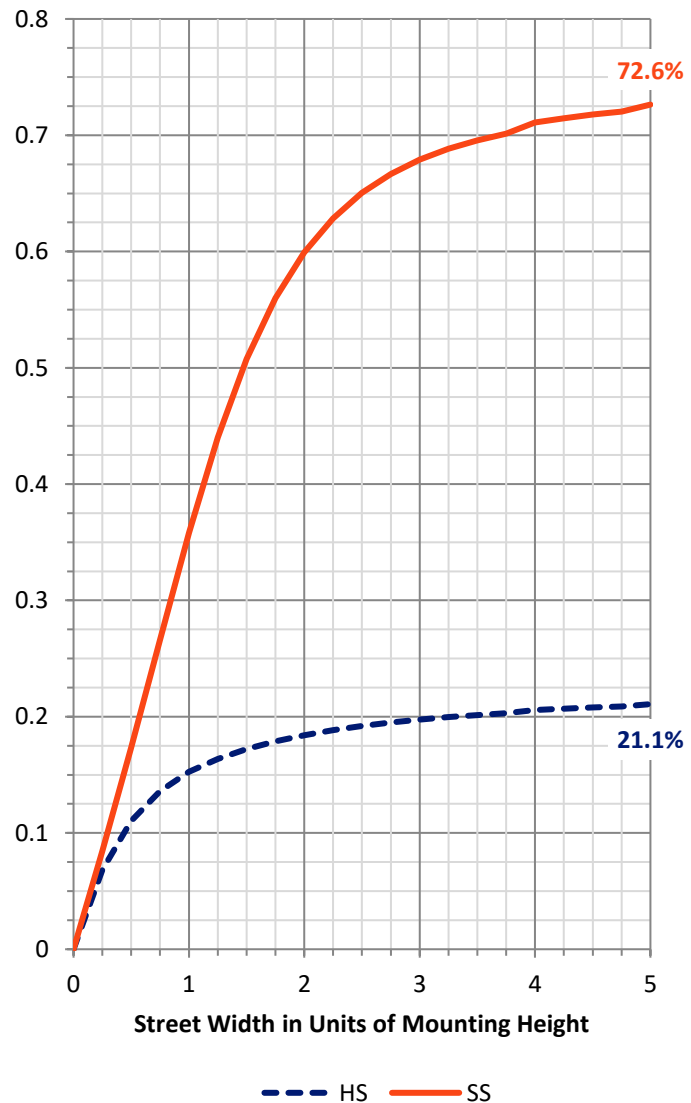
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1049.6	74.6	1124.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3545.5	93.3	3638.8
	% Fixture	74.4	2.0	76.4
Total	Lumens	4595.1	167.9	4763.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.3
10°-20°	52.2	1.1
20°-30°	152.9	3.2
30°-40°	366.0	7.7
40°-50°	659.0	13.8
50°-60°	1002.3	21.0
60°-70°	1182.4	24.8
70°-80°	814.8	17.1
80°-90°	353.3	7.4
90°-100°	103.1	2.2
100°-110°	32.3	0.7
110°-120°	15.1	0.3
120°-130°	8.9	0.2
130°-140°	5.4	0.1
140°-150°	2.3	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4595.1	96.5
0°-180°	4763.0	100.0



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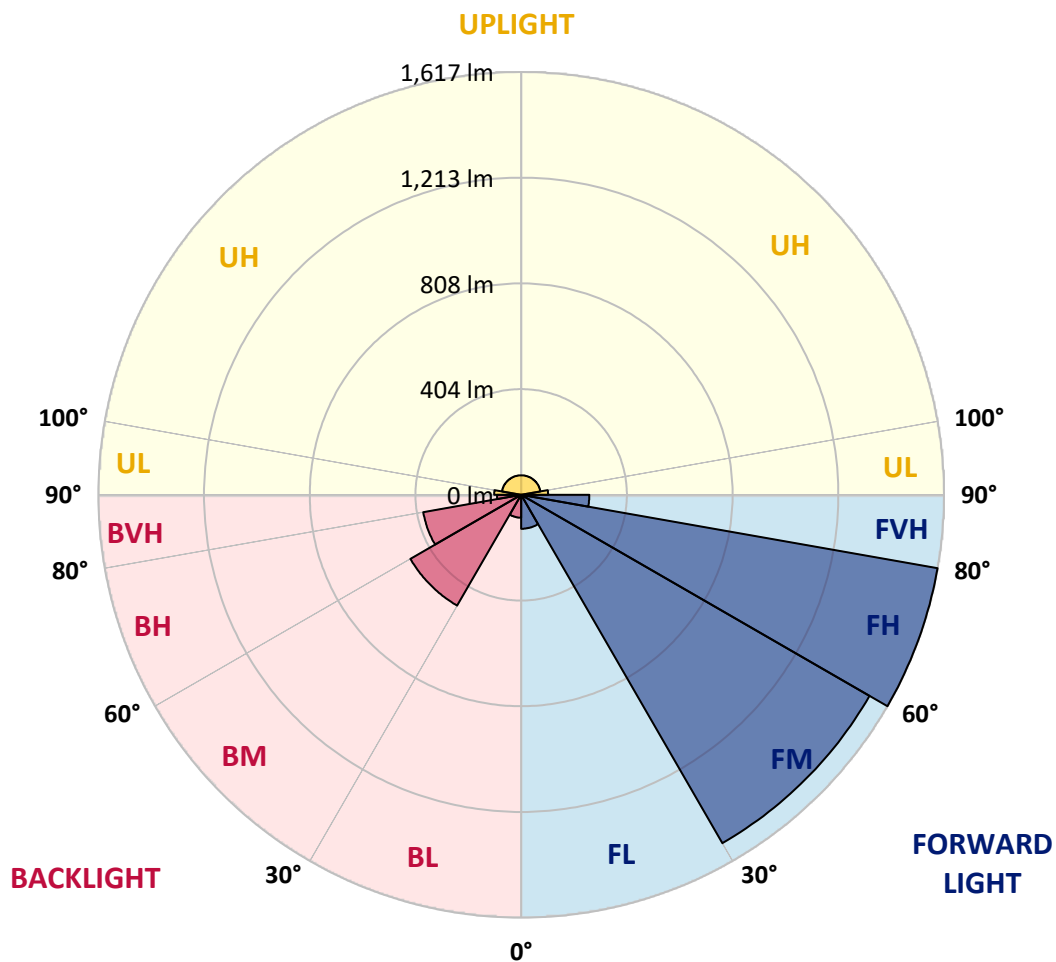
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.8	2.7			
FM	(30°-60°)	1538.1	32.3			
FH	(60°-80°)	1616.9	33.9			G1/1800
FVH	(80°-90°)	260.7	5.5			G3/500
BL	(0°-30°)	87.5	1.8	B0/110		
BM	(30°-60°)	489.2	10.3	B1/1000		
BH	(60°-80°)	380.3	8.0	B1/500		G1/500
BVH	(80°-90°)	92.6	1.9			G1/100
UL	(90°-100°)	103.1	2.2		U3/500	
UH	(100°-180°)	74.6	1.6		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°	77°	85°
0°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
2.5°	128.7	128.1	128.1	128.7	127.6	126.5	124.8	123.2	121.5	121.5	120.4
5°	139.1	138.5	138.5	138.5	136.3	134.7	130.9	128.7	126.5	125.4	123.7
7.5°	152.8	151.1	151.7	151.1	147.8	144.5	140.7	136.3	133.6	133.0	129.8
10°	170.8	169.7	168.6	166.4	163.2	157.7	152.2	148.4	144.5	144.0	140.2
12.5°	196.5	195.5	193.3	188.3	181.2	174.6	169.2	164.8	162.6	161.5	157.7
15°	227.8	224.5	223.4	215.7	205.9	198.2	192.2	189.4	187.2	187.2	182.3
17.5°	264.4	264.4	259.0	248.6	236.0	226.7	220.6	215.7	217.4	216.8	214.1
20°	309.9	308.8	300.6	286.9	271.6	262.8	255.1	252.4	254.6	256.8	256.8
22.5°	375.6	372.8	360.2	339.4	317.0	302.8	297.3	296.7	305.5	308.2	311.5
25°	449.5	445.7	429.8	404.6	376.7	354.8	347.1	353.1	369.0	375.0	381.6
27.5°	538.7	536.5	512.5	478.0	444.6	416.1	407.3	425.9	447.3	449.5	462.6
30°	653.7	654.8	622.0	572.1	515.2	485.6	475.8	498.2	530.0	532.2	558.4
32.5°	786.7	786.7	737.5	677.2	603.9	562.3	553.0	589.1	638.9	646.6	671.8
35°	956.5	946.6	883.7	797.1	705.2	643.3	642.2	698.6	767.0	774.7	802.1
37.5°	1108.7	1114.7	1050.6	937.9	813.6	742.4	751.7	823.4	909.9	912.1	941.7
40°	1273.5	1280.0	1204.5	1086.8	934.0	854.1	872.7	939.5	1025.5	1027.1	1037.5
42.5°	1402.7	1419.6	1349.0	1226.4	1072.0	981.1	985.5	1047.9	1114.1	1122.4	1129.5
45°	1479.9	1492.5	1453.6	1355.6	1193.5	1108.1	1097.7	1148.6	1235.1	1233.0	1243.4
47.5°	1601.4	1616.2	1556.5	1467.3	1330.4	1224.7	1211.6	1277.8	1384.1	1395.0	1385.2
50°	1727.3	1747.0	1703.8	1599.8	1458.5	1355.6	1357.2	1432.8	1556.5	1560.4	1566.4
52.5°	1815.5	1829.7	1812.7	1740.5	1590.5	1496.8	1511.6	1602.0	1723.5	1730.6	1706.5
55°	1829.2	1851.1	1864.8	1848.3	1735.0	1642.5	1680.3	1770.6	1852.7	1858.7	1840.1
57.5°	1824.8	1842.9	1871.9	1884.5	1827.5	1792.5	1841.2	1933.7	2092.0	2112.2	2102.9
60°	1819.9	1833.0	1893.2	1911.8	1879.5	1907.5	1985.2	2150.0	2237.1	2238.7	2153.8
62.5°	1683.0	1704.9	1818.2	1911.8	1903.1	1956.2	2126.5	2240.9	2309.9	2322.5	2241.4
65°	1545.6	1564.7	1678.6	1810.0	1868.0	1948.0	2148.4	2317.0	2470.3	2481.8	2321.4
67.5°	1346.8	1376.9	1501.2	1659.4	1730.6	1858.2	2090.9	2343.8	2439.1	2444.0	2260.6
70°	1097.2	1138.2	1278.4	1445.4	1530.8	1660.0	1962.2	2248.0	2381.0	2378.3	2159.9
72.5°	790.6	827.3	955.4	1153.6	1287.2	1428.4	1726.8	2057.5	2133.0	2130.3	1837.4
75°	537.1	556.8	653.2	834.4	1026.5	1192.4	1487.5	1784.8	1848.9	1844.0	1574.0
77.5°	352.0	374.5	436.9	591.8	770.9	961.9	1248.8	1494.1	1594.8	1576.8	1334.2
80°	215.7	228.3	279.8	399.7	584.2	776.3	1032.6	1264.2	1316.2	1289.9	1089.5
82.5°	134.7	144.5	181.2	263.9	419.4	599.5	847.0	1064.3	1122.4	1092.8	896.2
85°	82.7	87.6	112.8	173.6	284.7	440.7	681.1	863.4	899.0	877.6	675.6
87.5°	60.2	61.3	77.2	117.2	192.2	315.4	501.5	650.4	676.2	636.7	473.6
90°	44.3	46.5	56.9	82.7	133.6	214.1	345.5	457.7	464.3	440.2	316.5
92.5°	33.4	34.5	42.7	58.6	92.0	146.2	230.5	306.6	300.6	283.6	196.5
95°	24.1	24.6	30.7	41.6	64.6	98.0	146.7	192.2	173.0	165.9	119.4
97.5°	19.7	20.3	24.6	32.3	47.6	69.0	94.7	114.4	101.8	97.5	76.6
100°	17.0	17.0	20.8	26.8	37.2	51.5	63.0	71.7	65.7	63.5	54.2
102.5°	15.3	15.3	18.1	22.4	30.7	40.5	46.5	49.3	46.0	44.3	40.0
105°	13.7	13.7	15.9	19.2	25.7	32.8	35.6	36.1	32.8	32.3	30.7
107.5°	12.6	12.6	14.2	17.0	21.9	27.4	28.5	26.8	25.2	24.1	24.1
110°	10.9	11.5	12.6	14.8	19.2	23.0	23.0	20.8	18.6	18.6	19.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	10.4	10.4	11.5	13.7	17.0	19.7	18.6	16.4	14.8	14.8	15.9
115°	9.3	9.3	10.4	12.6	15.3	17.0	15.9	13.7	12.0	12.6	13.7
117.5°	8.8	8.8	9.9	11.5	13.7	14.8	13.7	11.5	10.4	10.9	12.6
120°	8.8	8.8	9.9	10.9	12.6	13.1	12.0	9.9	9.3	9.3	10.9
122.5°	8.8	8.8	9.3	10.9	12.0	12.0	10.4	8.8	8.2	8.2	9.9
125°	8.8	8.8	9.9	10.9	10.9	10.9	9.3	7.7	7.1	7.7	8.8
127.5°	9.3	9.3	9.9	10.4	10.4	9.9	8.2	7.1	6.6	7.1	8.2
130°	9.3	9.3	9.9	10.4	9.9	8.8	7.7	6.6	6.6	6.6	8.2
132.5°	9.3	9.3	9.9	9.9	9.3	7.7	6.6	5.5	6.0	6.6	7.7
135°	8.8	8.8	8.8	8.8	8.2	7.1	5.5	4.9	5.5	6.0	7.1
137.5°	8.2	8.2	8.2	8.2	7.1	6.0	4.4	3.8	4.9	4.9	6.0
140°	7.1	7.1	7.7	7.1	6.6	4.9	3.8	2.7	3.8	3.8	4.9
142.5°	6.6	6.6	6.6	6.6	5.5	4.4	2.7	2.7	3.3	3.3	3.8
145°	5.5	5.5	6.0	5.5	4.4	3.3	2.2	2.2	2.7	2.7	3.3
147.5°	4.4	4.9	4.9	4.4	3.8	2.7	1.6	1.6	2.2	2.2	2.7
150°	3.8	3.8	3.8	3.8	2.7	1.6	1.1	1.6	2.2	2.2	2.2
152.5°	2.7	2.7	3.3	3.3	2.2	1.1	1.1	1.6	1.6	1.6	2.2
155°	2.2	2.2	2.7	2.2	1.6	0.5	1.1	1.1	1.6	1.6	1.6
157.5°	1.1	1.1	1.6	1.6	1.1	0.5	0.5	1.1	1.1	1.1	1.6
160°	0.5	0.5	1.6	1.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
2.5°	119.9	118.8	118.3	117.2	116.1	115.0	115.0	115.0	114.4	113.9	114.4
5°	122.1	121.5	118.8	116.6	114.4	113.3	112.2	111.7	111.7	110.6	110.6
7.5°	128.1	125.9	122.1	118.3	116.1	113.9	112.2	111.7	111.1	110.0	110.0
10°	137.4	134.7	130.3	124.3	120.4	116.6	115.0	115.0	114.4	113.9	113.9
12.5°	154.9	151.7	144.0	135.8	128.1	122.6	121.5	123.2	126.5	127.0	127.0
15°	180.7	176.8	167.0	153.8	141.8	134.1	135.2	139.6	144.0	145.6	145.6
17.5°	212.4	208.0	193.8	174.6	158.8	151.7	151.1	157.1	163.2	166.4	166.4
20°	255.1	248.0	229.4	202.0	180.1	171.9	168.6	174.1	183.4	187.2	186.1
22.5°	308.2	300.0	273.7	232.1	204.8	190.0	185.6	191.6	203.1	208.0	207.5
25°	378.3	370.1	327.4	269.9	228.9	205.9	203.1	211.9	228.9	238.7	237.6
27.5°	459.9	446.2	389.3	312.1	252.4	219.0	219.5	234.3	251.8	262.8	261.7
30°	546.9	529.4	451.7	352.6	274.3	233.8	232.7	250.2	268.3	279.8	279.8
32.5°	661.9	636.2	523.9	391.5	291.3	245.3	241.4	261.2	279.8	291.8	291.3
35°	785.1	750.6	599.5	432.5	305.5	251.3	246.9	267.2	286.3	300.6	300.6
37.5°	926.4	867.8	670.1	461.0	315.4	254.6	248.6	271.6	295.1	309.9	308.8
40°	1000.8	935.1	704.1	473.6	317.0	255.1	251.3	275.4	295.1	300.6	297.8
42.5°	1084.0	999.2	718.3	458.3	311.0	254.0	252.9	271.6	280.3	278.7	277.0
45°	1189.2	1074.7	732.0	439.1	296.7	252.4	250.2	261.2	261.7	255.1	252.9
47.5°	1323.3	1178.8	754.4	416.1	282.5	248.6	245.8	250.8	241.4	229.4	225.6
50°	1467.3	1299.2	782.4	396.4	269.4	243.6	240.9	239.3	229.9	217.9	215.7
52.5°	1592.7	1380.8	790.0	375.6	260.6	240.3	237.1	235.4	226.7	213.0	210.2
55°	1704.9	1450.3	763.2	344.4	253.5	238.2	237.1	237.1	227.8	213.5	210.8
57.5°	1926.6	1616.7	773.1	312.6	244.2	237.6	239.3	239.8	231.0	217.4	214.6
60°	1933.2	1585.0	715.6	290.2	236.0	237.6	241.4	242.5	236.5	227.2	225.6
62.5°	1996.2	1586.1	638.4	261.2	230.5	236.5	243.1	246.9	247.5	242.0	240.9
65°	2019.2	1563.1	582.5	238.2	222.8	233.8	243.6	252.9	256.2	253.5	252.4
67.5°	1931.0	1457.4	506.4	222.8	215.2	229.4	243.1	254.6	261.7	263.3	263.3
70°	1814.9	1338.6	438.5	208.0	207.0	223.4	239.3	254.6	264.4	268.8	268.8
72.5°	1520.4	1099.4	361.9	192.7	196.0	214.1	231.0	249.7	260.6	264.4	262.8
75°	1271.8	905.0	297.8	179.6	185.1	202.6	219.5	237.6	245.3	247.5	245.8
77.5°	1075.8	752.8	244.7	167.5	171.9	187.8	203.1	215.7	220.6	219.5	216.8
80°	867.2	587.5	200.9	152.8	157.1	169.7	180.7	190.5	195.5	192.7	191.1
82.5°	690.4	467.0	171.4	139.6	141.3	151.7	159.3	167.0	175.2	173.0	168.6
85°	510.8	343.8	145.6	125.4	125.4	133.0	136.9	144.0	155.5	154.9	153.3
87.5°	349.3	244.7	123.7	111.1	110.6	115.0	117.2	124.8	139.6	140.2	138.5
90°	229.9	167.5	103.5	96.4	95.3	98.5	100.2	106.8	118.8	119.9	117.7
92.5°	149.5	116.1	84.9	81.6	81.0	83.8	83.2	87.6	95.8	95.3	93.6
95°	95.8	81.0	69.0	67.3	65.7	69.0	67.9	69.0	73.4	72.3	72.3
97.5°	66.2	61.9	56.9	54.2	53.1	56.4	55.3	55.3	57.5	55.3	54.2
100°	50.9	49.3	47.1	44.9	42.7	45.4	45.4	45.4	47.1	43.8	42.7
102.5°	39.4	38.9	38.9	37.2	35.6	37.8	38.3	38.9	38.3	35.0	34.5
105°	31.2	31.2	32.3	30.7	30.1	31.8	32.3	31.8	31.8	29.0	29.0
107.5°	24.6	25.7	26.8	25.7	25.7	26.8	26.8	26.8	25.7	24.1	24.6
110°	20.3	21.4	23.0	21.9	21.9	23.0	22.4	21.9	21.4	20.8	20.8



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	18.1	19.2	18.6	19.2	19.7	19.2	18.1	18.1	18.1	18.6
115°	14.8	15.9	17.0	16.4	16.4	17.0	15.9	15.3	15.3	15.9	15.9
117.5°	13.1	14.2	14.8	14.8	14.2	14.8	13.7	13.1	13.7	14.2	14.2
120°	12.0	12.6	13.1	13.1	12.6	12.6	12.0	11.5	12.0	12.6	13.1
122.5°	10.9	11.5	11.5	12.0	11.5	10.9	10.4	10.4	10.9	11.5	11.5
125°	9.9	10.4	10.4	10.4	10.4	9.9	9.3	9.3	9.9	10.4	10.9
127.5°	8.8	9.3	9.3	9.9	9.3	8.8	8.2	8.8	9.3	9.9	9.9
130°	8.8	8.8	8.8	8.8	8.2	7.7	7.7	7.7	8.8	9.3	9.3
132.5°	8.2	8.8	8.2	8.2	7.7	6.6	6.6	7.1	8.2	8.8	8.8
135°	7.7	7.7	7.1	7.1	6.6	6.0	5.5	6.6	7.1	7.7	7.7
137.5°	6.6	6.6	6.0	5.5	5.5	4.9	4.9	5.5	6.6	7.1	7.1
140°	4.9	5.5	4.9	4.4	4.4	3.8	4.4	4.9	6.0	6.0	6.0
142.5°	3.8	4.4	3.8	3.3	3.3	3.3	3.3	4.4	5.5	5.5	5.5
145°	3.3	3.3	3.3	2.7	2.2	2.2	2.7	3.8	4.9	4.9	4.9
147.5°	2.7	2.7	2.7	2.2	1.6	1.6	2.2	3.3	3.8	3.8	3.8
150°	2.2	2.2	2.2	2.2	1.6	1.1	1.6	2.7	3.3	3.3	3.3
152.5°	2.2	2.2	2.2	1.6	1.1	0.5	1.1	2.2	2.7	2.7	2.7
155°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.6	2.2	2.2	2.2
157.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.5	1.6	2.2	1.6	1.6
160°	1.1	1.1	1.1	1.1	0.5	0.0	0.5	1.1	1.6	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

(END OF REPORT)