

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: P415033

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4241 lumens
Efficiency: N/A
Efficacy: 106.0 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

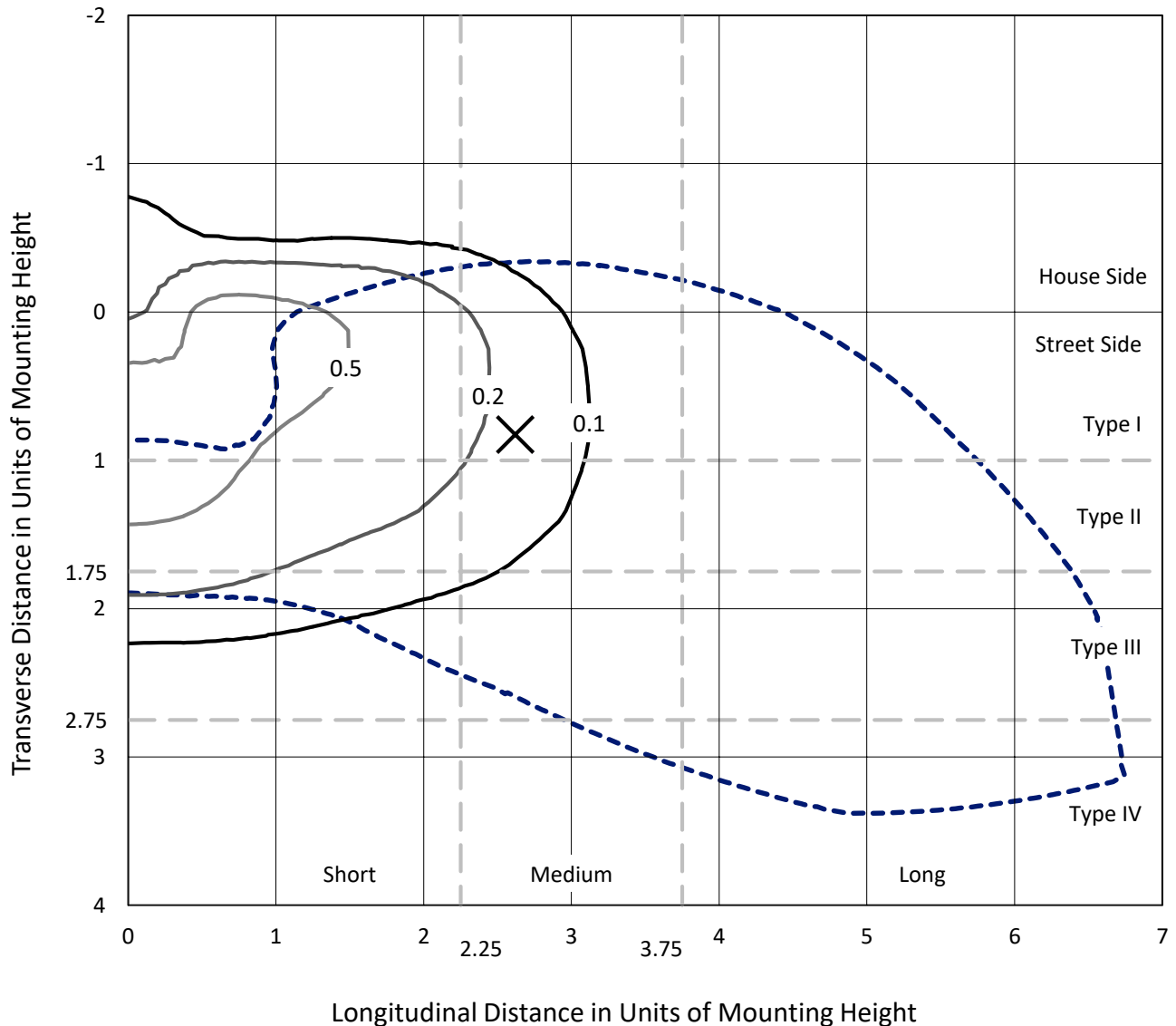
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

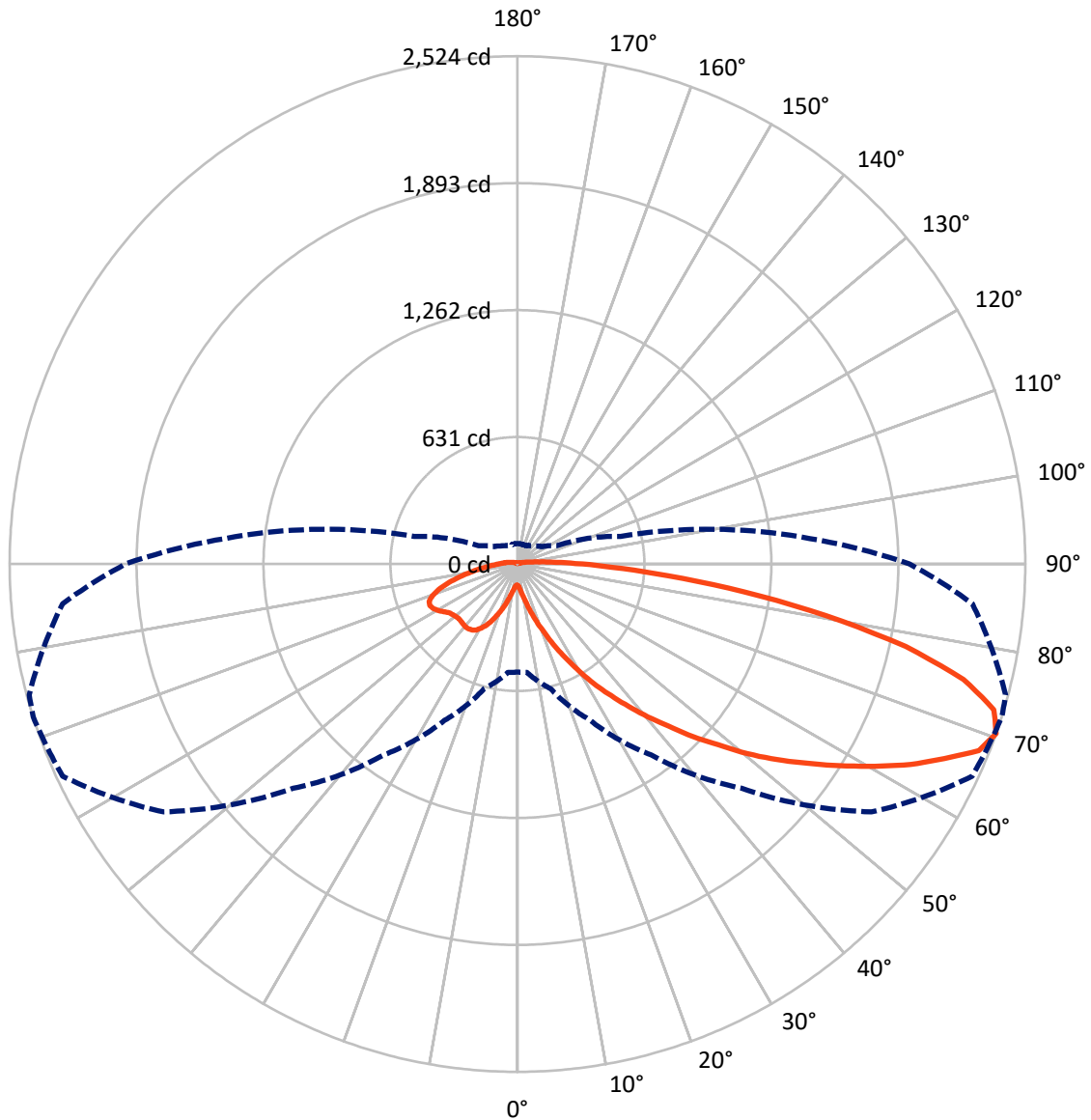
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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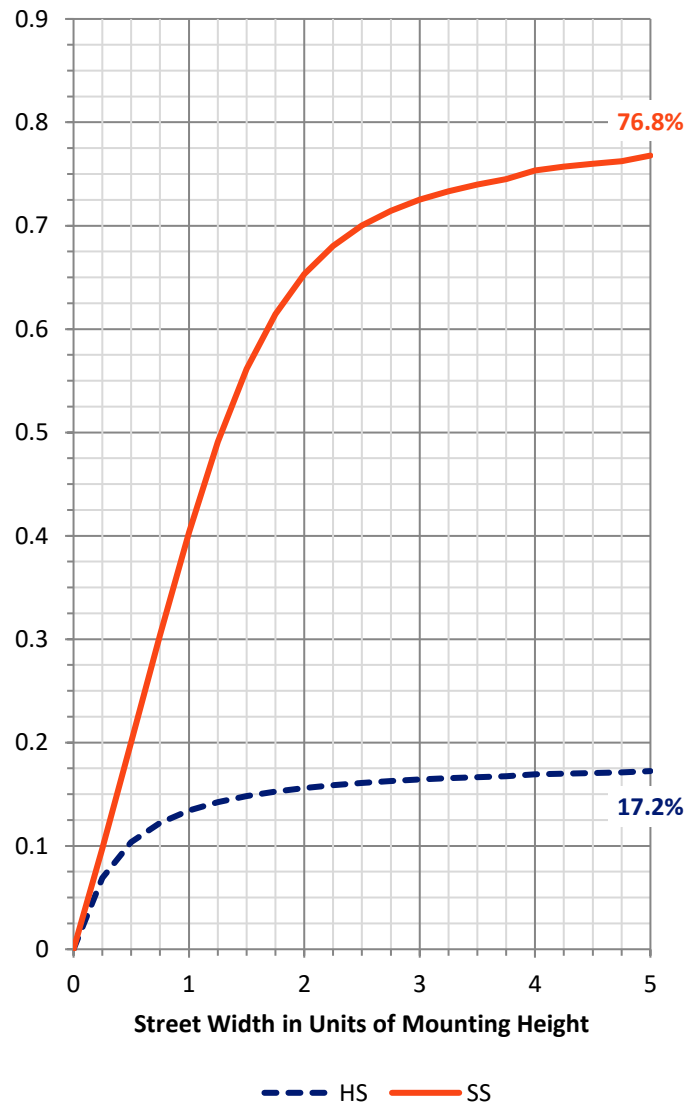
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	762.4	69.2	831.6
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	3329.6	79.9	3409.5
	% Fixture	78.5	1.9	80.4
Total	Lumens	4092.0	149.1	4241.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.3
10°-20°	57.4	1.4
20°-30°	160.2	3.8
30°-40°	332.2	7.8
40°-50°	573.7	13.5
50°-60°	847.3	20.0
60°-70°	1000.1	23.6
70°-80°	793.7	18.7
80°-90°	315.5	7.4
90°-100°	83.4	2.0
100°-110°	32.2	0.8
110°-120°	15.7	0.4
120°-130°	8.9	0.2
130°-140°	5.2	0.1
140°-150°	2.5	0.1
150°-160°	0.8	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4092.0	96.5
0°-180°	4241.0	100.0

Coefficient of Utilization



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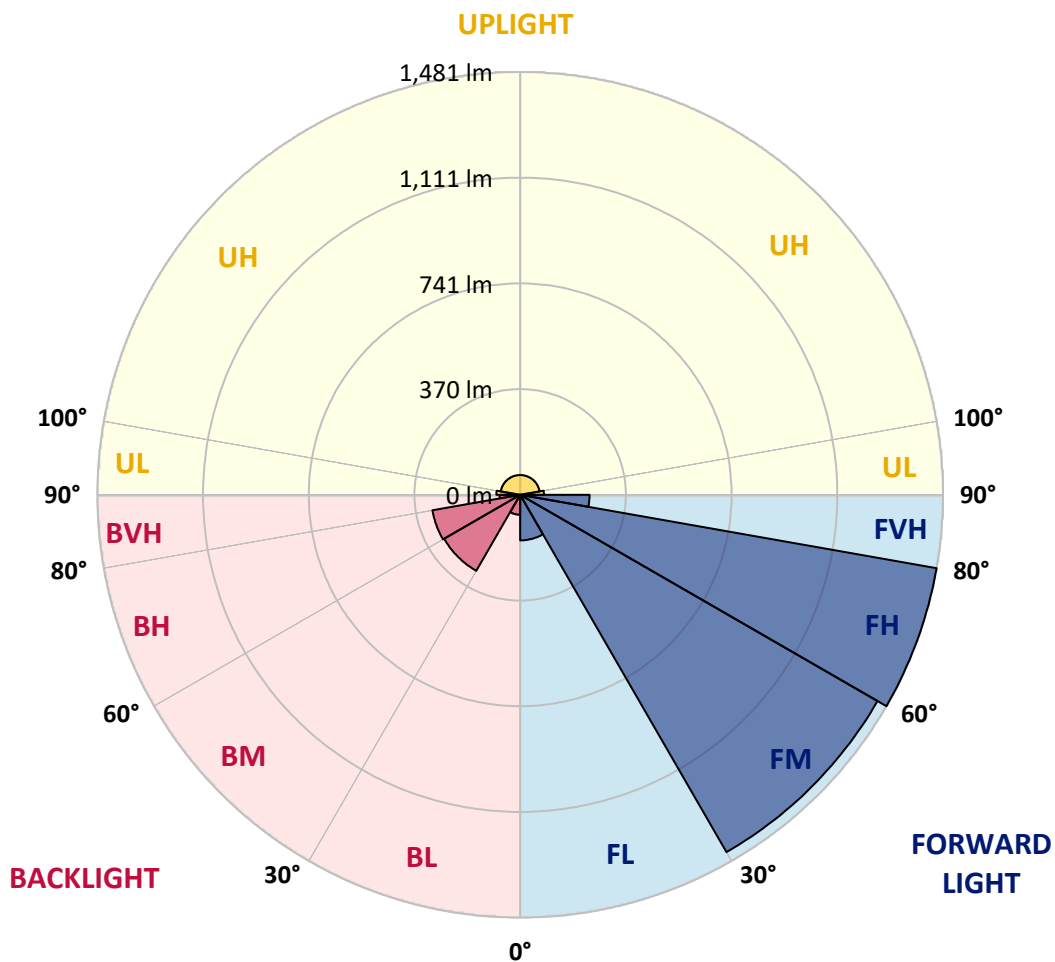
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.6	3.8			
FM	(30°-60°)	1445.5	34.1			
FH	(60°-80°)	1481.5	34.9			G1/1800
FVH	(80°-90°)	243.0	5.7			G3/500
BL	(0°-30°)	69.9	1.6	B0/110		
BM	(30°-60°)	307.6	7.3	B1/1000		
BH	(60°-80°)	312.3	7.4	B1/500		G1/500
BVH	(80°-90°)	72.6	1.7			G1/100
UL	(90°-100°)	83.4	2.0		U3/500	
UH	(100°-180°)	69.2	1.6		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°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	119.2	119.7	119.2	119.2	118.2	117.7	114.7	112.7	111.2	110.2	108.7
5°	138.1	139.1	138.6	138.6	136.1	134.6	131.1	127.2	124.2	123.7	119.2
7.5°	163.6	163.1	161.1	160.6	159.6	157.1	152.1	146.1	143.1	142.1	135.6
10°	195.0	192.5	193.5	190.0	188.0	184.0	179.5	175.0	169.0	169.0	160.1
12.5°	226.4	231.9	230.4	225.4	221.4	214.9	209.4	207.9	201.0	202.0	193.5
15°	277.8	277.3	272.8	269.3	261.3	253.3	248.3	244.8	242.8	241.4	231.9
17.5°	332.1	329.1	325.6	315.2	303.7	296.7	292.2	288.7	291.2	290.7	279.2
20°	394.9	391.4	386.5	367.5	352.6	341.6	339.1	343.1	344.6	348.6	337.1
22.5°	464.8	463.3	451.3	429.8	404.4	390.0	387.5	396.9	408.4	410.4	402.4
25°	548.5	546.5	530.1	499.2	465.7	443.8	443.8	458.8	477.7	482.2	478.2
27.5°	638.3	633.3	611.9	574.0	528.1	499.7	496.2	523.1	549.5	562.5	557.5
30°	741.5	740.5	705.1	658.7	603.9	558.5	557.0	596.4	633.8	639.8	640.8
32.5°	847.7	856.2	815.3	746.0	679.7	626.3	623.8	668.2	720.1	730.5	730.5
35°	970.4	970.9	920.5	851.7	761.0	700.1	693.1	746.0	803.8	818.3	826.3
37.5°	1094.1	1091.1	1045.7	950.9	849.2	775.9	769.4	831.8	897.6	921.0	919.5
40°	1215.7	1224.2	1166.9	1062.1	939.5	865.2	849.2	922.5	998.3	1024.7	1014.3
42.5°	1346.9	1344.9	1293.5	1176.8	1040.2	951.4	942.0	1017.8	1102.0	1132.0	1122.5
45°	1461.6	1460.6	1404.7	1288.0	1136.4	1051.2	1038.2	1118.5	1224.2	1252.1	1232.7
47.5°	1567.3	1564.8	1506.9	1388.3	1220.7	1146.4	1147.4	1229.7	1341.9	1387.8	1357.8
50°	1649.1	1640.6	1604.2	1476.0	1312.0	1246.6	1265.6	1362.3	1482.0	1523.4	1491.0
52.5°	1692.9	1680.0	1651.6	1537.4	1398.2	1345.9	1382.3	1497.0	1615.2	1654.6	1619.1
55°	1672.0	1672.0	1656.0	1574.8	1459.6	1436.6	1509.9	1625.6	1748.8	1792.2	1760.8
57.5°	1587.7	1600.7	1608.2	1564.8	1502.0	1526.4	1642.6	1772.2	1890.4	1938.3	1896.9
60°	1440.1	1443.6	1498.5	1510.9	1518.9	1602.7	1780.2	1934.8	2041.0	2078.9	2032.0
62.5°	1231.2	1247.6	1314.5	1406.7	1494.0	1666.0	1924.8	2098.4	2194.1	2219.5	2151.2
65°	998.8	994.8	1118.5	1256.6	1425.2	1684.5	2041.5	2256.9	2331.2	2365.1	2246.5
67.5°	757.5	755.0	869.2	1071.6	1308.5	1665.0	2136.3	2391.6	2473.4	2474.3	2306.3
70°	537.1	541.0	642.3	857.2	1157.9	1576.3	2147.7	2494.3	2524.2	2512.2	2269.9
72.5°	364.5	367.5	463.8	656.7	958.4	1432.6	2052.0	2483.3	2476.3	2442.9	2120.3
75°	234.9	254.8	326.1	499.2	775.9	1225.7	1866.0	2326.2	2289.8	2234.5	1860.5
77.5°	162.1	172.0	226.9	363.5	606.4	1012.3	1602.2	2010.6	1972.7	1904.9	1500.0
80°	109.7	114.2	156.1	271.8	477.2	795.9	1305.5	1618.6	1553.3	1483.5	1125.0
82.5°	73.3	81.8	112.2	195.0	361.0	614.3	992.8	1236.2	1132.5	1072.1	790.4
85°	48.9	53.4	79.8	141.6	261.3	447.3	714.6	839.7	748.5	695.1	505.1
87.5°	32.9	36.9	56.8	101.2	193.5	325.1	478.7	542.5	469.2	435.8	305.7
90°	21.9	24.4	41.9	72.8	136.6	226.9	323.1	335.1	287.7	267.3	187.0
92.5°	15.5	18.0	31.4	53.9	95.7	157.6	207.4	203.0	169.5	159.6	120.7
95°	12.0	14.0	24.4	41.4	69.8	108.2	135.1	123.7	107.2	103.7	83.3
97.5°	10.5	11.5	20.4	33.4	52.9	76.8	87.8	83.8	72.3	70.3	60.8
100°	9.5	10.5	18.0	28.9	42.4	56.3	62.8	58.3	52.4	50.9	44.9
102.5°	9.0	9.5	16.0	24.9	34.9	44.4	48.4	43.4	38.9	38.4	34.4
105°	8.5	9.0	14.0	21.4	29.4	36.4	37.9	33.9	30.4	28.9	25.9
107.5°	8.0	8.0	12.5	18.9	25.4	30.4	31.4	27.4	23.4	22.4	20.4
110°	7.5	8.0	11.5	17.0	22.4	26.4	26.4	22.4	18.5	17.5	16.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	7.5	7.5	10.5	15.0	19.9	22.9	22.4	18.5	15.0	13.5	13.5
115°	7.0	7.5	10.0	14.0	18.0	19.9	18.9	15.5	12.0	11.0	11.5
117.5°	7.0	7.5	9.0	12.5	16.0	17.5	16.5	13.0	10.0	9.5	10.5
120°	7.0	7.5	9.0	11.5	14.0	15.5	14.5	11.0	9.0	8.5	9.5
122.5°	7.5	7.5	8.5	10.5	13.0	14.0	12.5	9.5	8.0	7.5	8.5
125°	7.5	7.5	8.5	10.0	12.0	12.5	11.0	8.5	7.0	7.0	8.0
127.5°	7.5	7.5	8.5	9.5	11.0	11.0	10.0	7.5	6.5	6.5	7.5
130°	7.5	7.5	8.0	9.0	10.0	10.0	8.5	6.5	6.0	6.0	7.0
132.5°	8.0	8.0	8.0	8.5	9.0	9.0	7.5	6.0	5.5	5.5	7.0
135°	7.5	7.5	7.5	8.0	8.0	8.0	6.5	5.5	5.0	5.5	6.5
137.5°	7.0	7.0	7.5	7.5	7.5	7.0	5.5	4.5	4.5	5.0	6.0
140°	7.0	6.5	7.0	7.0	6.5	6.0	5.0	4.0	4.0	4.5	5.0
142.5°	6.0	6.0	6.0	6.0	5.5	5.0	4.0	3.5	4.0	4.0	4.5
145°	5.5	5.5	5.5	5.0	5.0	4.0	3.0	3.0	3.0	3.5	4.0
147.5°	4.5	4.5	4.5	4.5	4.0	3.5	2.0	2.5	2.5	2.5	3.0
150°	3.5	3.5	4.0	3.5	3.0	2.5	1.5	2.0	2.5	2.5	2.5
152.5°	3.0	3.0	3.0	3.0	2.5	1.5	1.5	2.0	2.0	2.0	2.5
155°	2.0	2.0	2.0	2.0	1.5	1.0	1.5	1.5	2.0	2.0	2.0
157.5°	1.0	1.0	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
160°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
162.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
165°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
167.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
170°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
172.5°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
175°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
177.5°	0.0	0.5	1.0	1.0	1.5	1.0	1.0	1.0	1.0	1.0	1.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	107.7	106.7	104.7	102.7	101.2	99.7	98.7	97.2	96.2	96.2	96.2
5°	116.2	115.2	110.2	105.2	100.7	96.7	93.7	90.3	88.8	87.3	87.8
7.5°	133.1	129.7	121.7	113.2	105.7	97.7	91.8	86.8	83.8	81.8	81.8
10°	156.1	150.6	138.6	125.7	113.2	101.7	92.8	85.8	80.8	78.8	78.8
12.5°	185.5	180.0	161.6	142.1	123.2	106.7	95.2	86.3	80.8	78.3	78.3
15°	224.9	215.4	190.5	162.6	135.1	112.7	97.7	90.3	86.8	85.3	85.3
17.5°	271.8	257.8	225.4	183.5	147.1	118.7	104.2	97.2	94.2	93.7	93.7
20°	326.6	309.2	260.3	204.5	156.6	126.2	109.7	103.7	102.7	103.2	103.2
22.5°	389.0	363.5	296.2	223.4	165.6	130.6	113.7	108.7	109.7	112.2	111.7
25°	454.8	427.8	335.6	240.4	171.5	132.6	116.2	113.2	117.2	120.2	120.2
27.5°	531.6	489.7	371.5	252.3	173.0	131.1	116.7	115.2	120.7	125.2	126.2
30°	609.9	556.0	402.4	259.8	170.0	127.7	114.7	115.7	122.2	128.2	128.7
32.5°	689.1	618.8	427.8	261.3	165.1	123.2	112.7	114.7	121.7	128.2	129.2
35°	767.9	677.7	444.8	255.8	157.1	118.7	109.2	112.7	119.7	127.2	128.2
37.5°	845.2	733.5	455.3	246.8	149.1	114.7	106.7	110.2	117.2	125.7	126.7
40°	929.5	793.4	461.3	236.4	141.1	111.2	105.2	108.7	115.7	123.7	125.2
42.5°	1006.8	848.2	461.8	223.4	135.1	109.7	104.2	107.2	113.7	122.2	123.7
45°	1107.5	904.6	461.8	212.4	131.1	109.2	104.2	106.7	112.7	121.7	123.7
47.5°	1202.8	969.4	462.8	203.0	129.2	110.2	105.2	106.2	111.2	121.7	123.7
50°	1313.5	1031.7	470.7	196.0	128.7	112.2	106.7	105.7	109.7	120.7	123.2
52.5°	1423.7	1114.0	480.7	191.0	129.7	114.2	107.7	105.7	108.2	118.2	121.2
55°	1544.3	1192.3	491.7	191.5	131.6	116.2	109.2	105.2	106.2	114.2	117.2
57.5°	1665.0	1284.0	515.6	194.5	134.1	118.7	110.7	105.2	103.7	109.7	112.2
60°	1770.7	1364.8	540.5	201.0	137.6	121.2	111.7	104.7	101.7	105.2	107.2
62.5°	1882.4	1453.1	560.5	206.4	141.6	123.2	111.7	104.2	100.2	102.7	103.7
65°	1955.2	1505.5	571.0	213.4	145.6	124.7	112.2	103.2	99.7	101.2	102.2
67.5°	1992.6	1513.9	564.0	215.9	149.1	125.7	111.7	102.2	100.2	101.2	102.2
70°	1948.3	1457.6	530.6	214.4	150.1	125.7	110.7	101.2	100.2	101.7	102.2
72.5°	1787.7	1321.9	481.2	206.9	148.6	123.7	109.2	99.7	99.7	102.2	102.2
75°	1539.4	1127.0	416.4	195.5	144.6	120.7	106.2	97.2	98.2	101.7	101.7
77.5°	1232.7	891.6	343.1	179.0	137.1	115.7	102.2	93.7	96.2	100.2	99.7
80°	917.5	664.2	276.3	160.6	127.2	108.7	96.7	89.8	93.2	96.7	95.7
82.5°	611.4	466.2	218.4	141.1	116.7	101.7	90.8	84.3	88.8	92.3	90.8
85°	396.9	310.7	169.0	121.7	105.7	93.7	83.3	78.3	82.8	85.8	84.3
87.5°	247.3	208.4	128.7	103.7	94.2	84.8	76.8	71.3	75.8	78.8	76.8
90°	163.6	139.6	101.2	89.8	83.8	76.3	68.8	64.8	69.3	70.3	68.8
92.5°	107.7	98.7	82.3	76.8	73.8	67.8	62.3	58.8	62.3	62.8	61.8
95°	77.3	74.8	67.8	66.8	65.3	60.3	55.8	52.9	54.9	55.4	53.4
97.5°	58.8	58.3	57.8	57.8	56.8	53.4	49.4	46.9	47.9	47.4	45.9
100°	45.9	46.9	48.4	49.4	48.9	46.4	43.4	41.4	41.9	39.9	38.4
102.5°	35.9	37.9	40.4	41.9	41.9	39.9	38.4	36.4	34.9	32.4	31.9
105°	28.4	29.9	33.4	35.9	35.9	34.9	33.4	30.9	29.4	26.4	26.4
107.5°	22.4	24.4	28.4	30.4	30.9	29.9	28.9	26.9	24.4	21.4	21.4
110°	18.0	19.4	23.9	25.9	26.4	25.9	24.9	22.4	19.9	18.0	18.0



REPORT NUMBER: P415033

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.0	16.5	19.9	21.9	22.9	22.4	21.4	18.9	16.5	15.0	15.0
115°	13.0	14.5	17.0	18.9	19.4	19.4	18.0	16.5	13.5	13.0	13.0
117.5°	11.5	12.5	15.0	16.5	17.5	17.0	15.5	14.0	12.0	11.5	11.5
120°	10.5	11.5	13.5	15.0	15.0	14.5	13.5	12.0	10.5	10.0	10.5
122.5°	9.5	10.5	12.0	13.0	13.0	13.0	12.0	10.5	9.0	9.0	9.5
125°	9.0	9.5	11.0	11.5	12.0	11.5	10.5	9.0	8.0	8.5	8.5
127.5°	8.5	9.0	10.0	10.5	10.5	10.0	9.0	8.0	7.0	7.5	8.0
130°	8.0	8.5	9.0	9.5	9.5	9.0	8.0	7.0	6.5	7.0	7.0
132.5°	7.0	7.5	8.0	8.5	8.0	8.0	7.0	6.0	6.0	6.5	6.5
135°	6.5	7.0	7.0	7.5	7.0	7.0	6.0	5.5	5.5	6.0	6.0
137.5°	6.0	6.5	6.5	6.5	6.0	6.0	5.5	5.0	5.0	5.0	5.5
140°	5.5	5.5	5.5	5.5	5.0	5.0	4.5	4.0	4.5	4.5	4.5
142.5°	5.0	5.0	5.0	4.5	4.5	4.0	3.5	3.5	4.0	4.0	4.0
145°	4.0	4.0	4.0	3.5	3.5	3.0	3.0	3.0	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0
150°	3.0	3.0	3.0	2.5	2.0	2.0	1.5	2.0	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.0	1.0	1.5	2.0	2.0	2.0	2.0
155°	2.0	2.0	2.5	2.0	1.5	0.5	1.0	1.5	1.5	1.5	1.5
157.5°	2.0	2.0	2.0	1.5	1.0	0.5	1.0	1.0	1.5	1.0	1.5
160°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	1.0	1.0
162.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	0.5	0.5	0.5
165°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
170°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
175°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)