

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: P415088

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-740-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4625 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

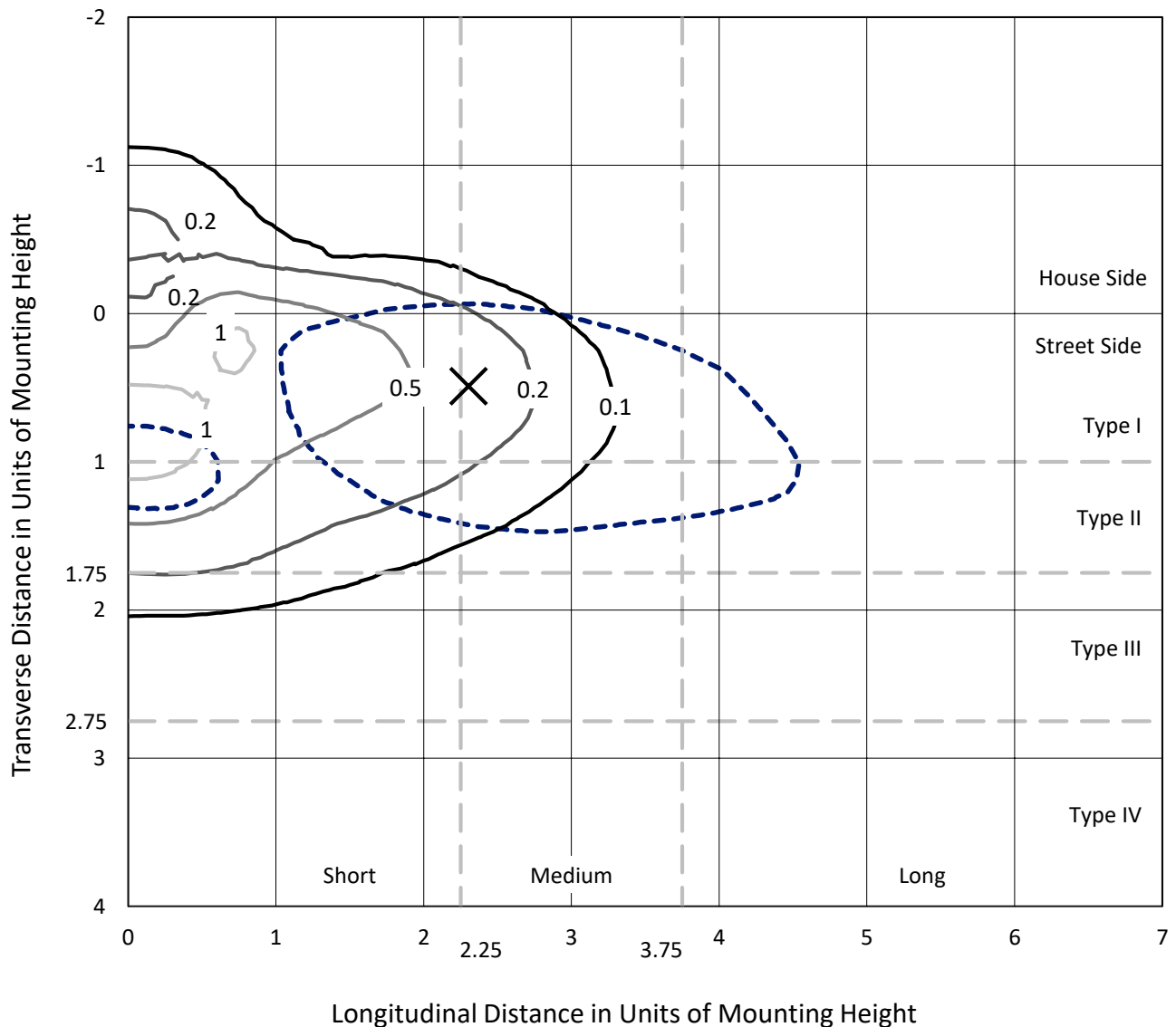
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415088
 CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

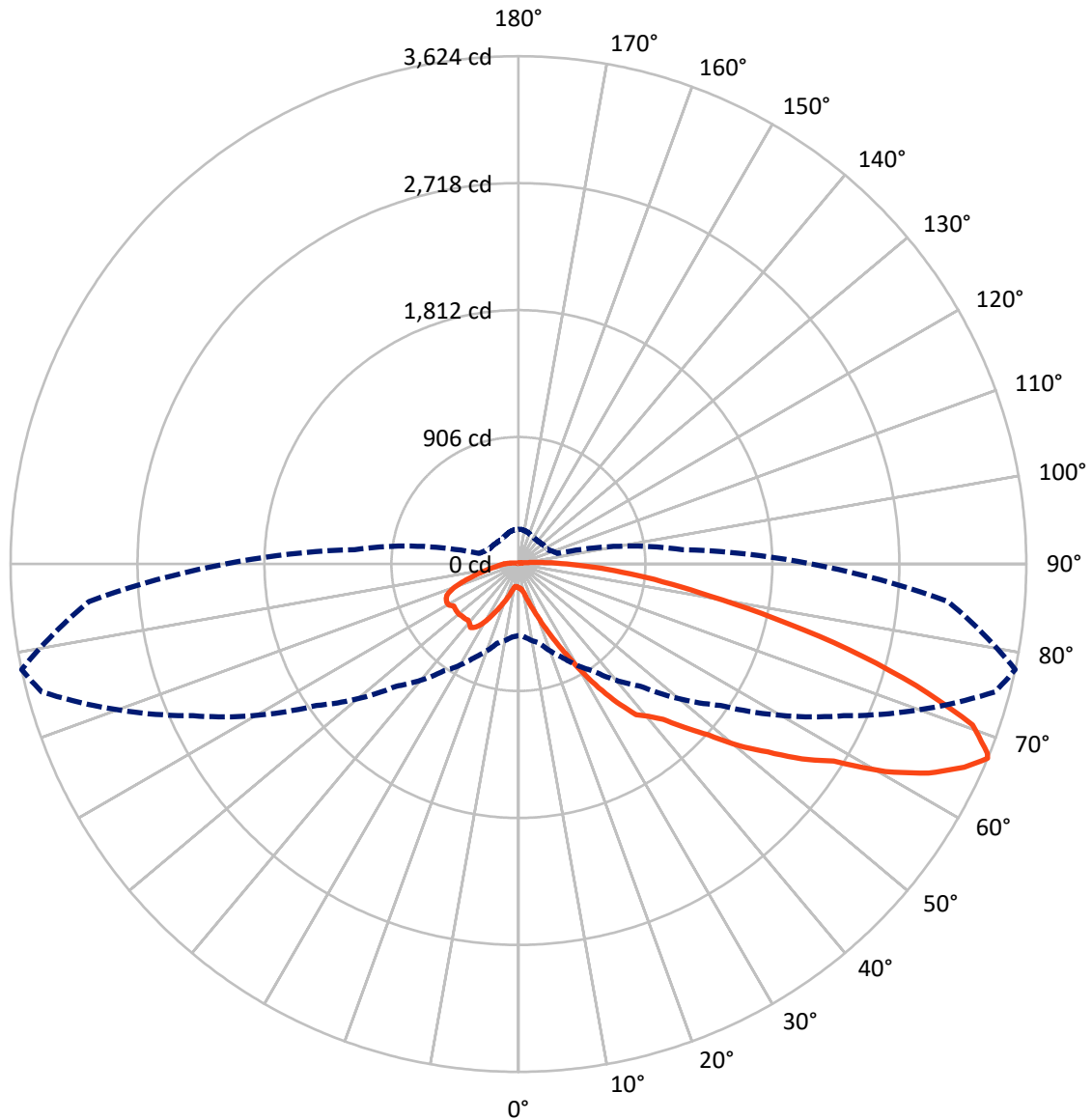
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415088
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P415088

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	855.6	70.0	925.6
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	3624.9	74.5	3699.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	4480.5	144.5	4625.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.4
10°-20°	71.9	1.6
20°-30°	215.8	4.7
30°-40°	494.0	10.7
40°-50°	789.0	17.1
50°-60°	972.4	21.0
60°-70°	1013.5	21.9
70°-80°	657.1	14.2
80°-90°	249.8	5.4
90°-100°	77.2	1.7
100°-110°	29.7	0.6
110°-120°	16.0	0.3
120°-130°	10.6	0.2
130°-140°	7.0	0.2
140°-150°	3.1	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4480.5	96.9
0°-180°	4625.0	100.0



REPORT NUMBER: P415088

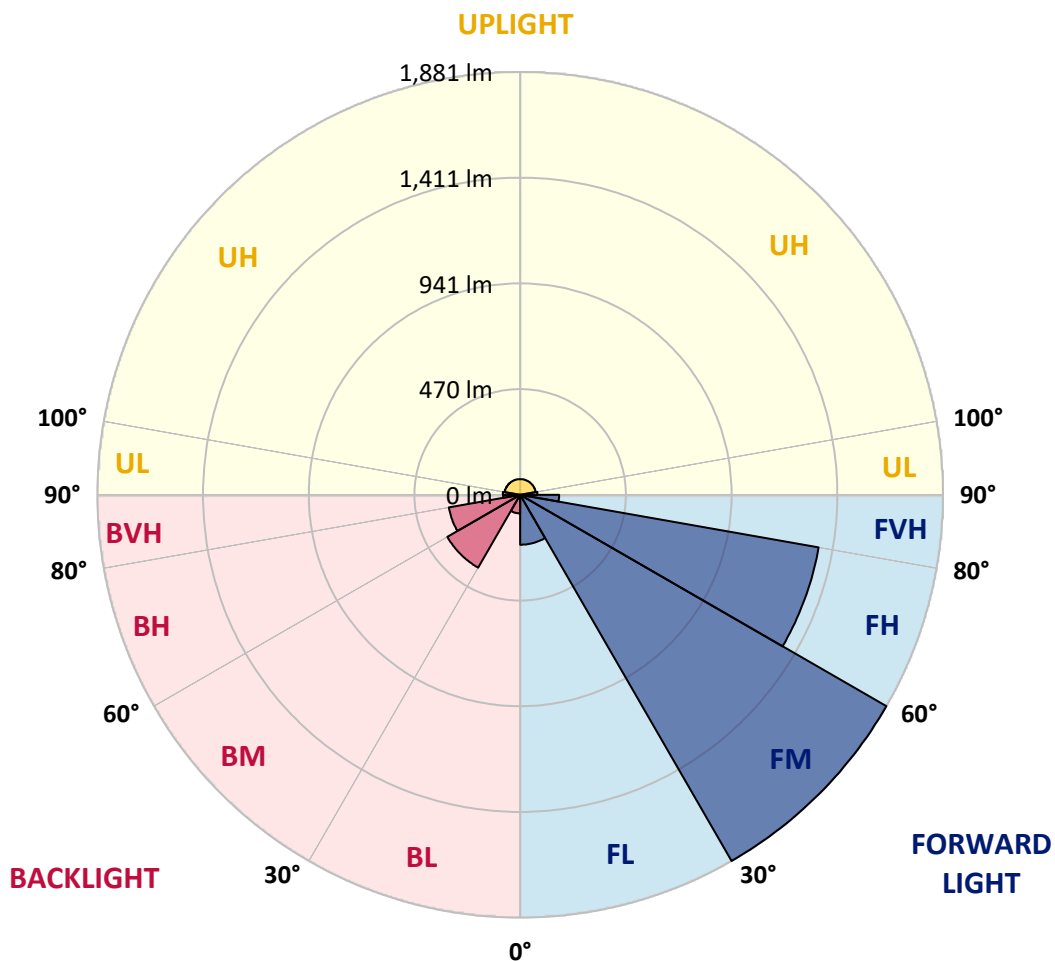
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.1	4.8			
FM	(30°-60°)	1881.2	40.7			
FH	(60°-80°)	1348.3	29.2			G1/1800
FVH	(80°-90°)	173.3	3.7			G2/225
BL	(0°-30°)	82.6	1.8	B0/110		
BM	(30°-60°)	374.1	8.1	B1/1000		
BH	(60°-80°)	322.4	7.0	B1/500		G1/500
BVH	(80°-90°)	76.5	1.7			G1/100
UL	(90°-100°)	77.2	1.7		U3/500	
UH	(100°-180°)	70.0	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P415088

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	190.5	190.0	189.4	188.3	186.1	183.9	180.7	176.3	173.0	172.4	169.2
5°	214.6	213.0	213.0	210.2	205.8	201.5	194.9	187.2	181.2	177.9	173.0
7.5°	244.2	240.9	242.0	237.6	231.6	223.9	213.5	203.1	191.6	188.3	181.2
10°	279.7	277.6	275.4	269.9	262.8	250.7	240.9	225.5	210.2	205.8	194.9
12.5°	323.0	323.5	317.0	310.9	298.9	286.9	274.8	260.0	243.1	238.1	223.9
15°	383.8	383.2	376.1	362.4	347.6	334.5	324.6	308.8	292.3	286.9	265.5
17.5°	454.9	453.3	447.8	423.7	408.9	398.5	384.3	374.4	350.9	344.9	318.6
20°	558.9	549.1	536.5	504.2	482.3	469.2	457.7	445.1	419.9	409.5	378.3
22.5°	674.4	679.4	656.4	606.6	569.9	545.8	533.8	527.2	508.0	500.9	453.8
25°	817.9	817.9	781.7	727.0	679.4	634.5	631.7	639.4	613.7	608.7	558.9
27.5°	969.0	975.0	927.4	868.8	796.5	744.0	741.2	747.8	745.6	731.4	660.2
30°	1141.4	1135.9	1082.3	1011.1	915.3	853.5	845.8	893.4	897.2	887.4	809.7
32.5°	1342.3	1337.9	1270.6	1160.6	1042.3	971.2	976.1	1043.4	1069.7	1052.7	961.8
35°	1586.5	1591.9	1486.3	1331.4	1175.3	1093.2	1098.7	1183.0	1232.3	1211.5	1109.1
37.5°	1837.2	1838.8	1741.9	1532.3	1318.2	1201.6	1214.8	1317.7	1381.2	1364.2	1223.5
40°	1996.0	2012.4	1919.3	1720.0	1468.8	1310.0	1321.0	1422.8	1460.0	1428.3	1262.9
42.5°	2135.0	2147.6	2052.9	1838.8	1583.2	1406.9	1403.1	1480.3	1533.9	1514.2	1344.0
45°	2203.4	2228.1	2142.7	1921.5	1663.7	1482.5	1452.9	1568.4	1687.7	1663.1	1475.3
47.5°	2153.6	2183.7	2147.6	1964.8	1699.8	1530.1	1536.7	1695.4	1849.8	1822.4	1618.8
50°	1991.0	2027.2	2039.2	1932.5	1709.1	1553.6	1623.7	1837.2	2044.1	2038.7	1795.0
52.5°	1795.0	1814.2	1866.8	1835.0	1674.6	1581.0	1717.9	1974.6	2244.5	2227.5	1941.2
55°	1613.8	1639.0	1682.3	1663.7	1589.2	1584.3	1792.3	2127.9	2457.4	2455.3	2125.2
57.5°	1364.2	1399.2	1490.1	1500.5	1478.6	1564.0	1846.5	2248.3	2645.8	2653.4	2309.6
60°	1047.2	1076.8	1214.8	1324.8	1344.0	1516.4	1873.9	2380.8	2967.7	3007.6	2632.1
62.5°	849.1	854.5	959.1	1096.5	1226.8	1429.4	1878.3	2548.3	3249.0	3285.2	2825.3
65°	635.6	634.5	730.8	887.4	1068.6	1327.5	1864.6	2600.9	3401.8	3494.3	3009.8
67°	510.8	522.8	584.7	733.6	931.7	1232.3	1758.4	2562.0	3521.7	3623.5	3077.1
67.5°	491.1	497.1	553.5	694.2	900.5	1203.8	1727.2	2552.2	3521.1	3607.6	3056.9
70°	392.0	400.2	441.2	534.3	720.4	1017.1	1507.6	2323.3	3312.5	3438.5	2871.3
72.5°	302.7	309.3	338.3	408.9	548.5	819.0	1247.1	1999.2	2868.6	2968.2	2434.5
75°	230.5	232.7	260.0	308.2	418.8	624.6	962.9	1574.4	2358.9	2434.5	1978.4
77.5°	178.5	183.4	204.2	236.5	310.9	470.2	724.8	1226.3	1876.6	1865.1	1504.4
80°	139.0	143.4	158.8	181.2	233.2	345.4	530.5	906.6	1370.8	1384.5	1101.4
82.5°	111.7	115.0	125.4	141.8	179.6	262.8	387.6	677.7	1042.3	1037.4	807.5
85°	89.2	91.4	99.1	113.3	138.5	199.3	286.3	503.6	735.8	741.8	551.3
87.5°	69.5	72.3	81.0	89.8	109.5	151.6	211.3	349.3	489.4	494.3	378.8
90°	54.2	55.8	63.5	72.8	88.7	115.0	152.7	239.2	315.3	309.3	243.6
92.5°	40.0	41.6	48.7	57.5	69.0	88.7	110.0	153.3	184.5	188.3	152.2
95°	28.5	30.1	36.1	42.7	52.6	67.3	78.3	97.4	113.3	110.0	97.4
97.5°	21.9	22.4	26.8	31.8	40.0	52.0	58.0	67.3	74.5	72.8	67.9
100°	17.5	18.1	21.4	24.1	31.2	41.1	46.5	51.5	55.8	54.2	52.0
102.5°	14.8	15.3	17.5	19.7	25.7	34.5	37.8	41.1	42.7	42.7	41.6
105°	12.6	13.1	14.8	17.0	21.9	28.5	30.7	32.3	33.9	33.4	33.4
107.5°	11.5	11.5	13.1	14.8	19.2	24.1	25.2	25.7	26.3	26.3	27.4



REPORT NUMBER: P415088

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	10.4	10.9	12.0	13.1	17.0	21.4	21.4	20.8	20.8	20.8	22.4
112.5°	9.9	10.4	10.9	12.6	15.9	18.6	18.1	17.0	17.0	17.5	19.2
115°	9.9	9.9	10.4	12.0	14.8	17.0	15.9	14.2	14.2	14.8	16.4
117.5°	9.9	9.9	10.9	12.0	14.2	15.3	14.2	12.6	12.0	12.6	14.2
120°	10.4	10.4	10.9	12.0	13.1	14.2	13.1	11.5	10.9	11.5	13.1
122.5°	10.9	10.9	10.9	12.0	12.6	13.1	12.0	10.4	9.9	10.4	12.0
125°	11.5	11.5	11.5	12.0	12.6	12.0	10.9	9.9	9.9	9.9	11.5
127.5°	12.6	12.6	12.6	12.6	12.0	11.5	10.4	9.3	9.9	9.9	10.9
130°	13.7	13.7	13.1	12.6	12.0	10.9	9.9	8.8	9.3	9.9	10.9
132.5°	14.2	13.7	13.1	12.0	11.5	9.9	8.8	8.2	8.8	9.3	10.4
135°	13.1	13.1	12.0	10.9	10.4	8.8	7.7	7.7	8.2	8.8	9.3
137.5°	11.5	11.5	10.9	9.9	9.3	8.2	7.1	6.6	7.7	8.2	8.8
140°	9.9	9.9	9.3	8.2	7.7	7.1	6.0	5.5	6.6	7.1	7.7
142.5°	8.2	8.2	7.7	6.6	6.6	6.0	4.9	4.9	6.0	6.0	6.6
145°	6.6	6.6	6.6	5.5	5.5	4.9	3.8	4.4	4.9	5.5	5.5
147.5°	5.5	5.5	5.5	4.4	4.4	3.8	2.7	3.3	3.8	4.4	4.4
150°	4.4	4.4	4.4	3.8	3.3	2.7	2.2	2.7	2.7	3.3	3.3
152.5°	3.3	3.3	3.3	2.7	2.7	1.6	1.6	2.2	2.2	2.7	2.7
155°	2.2	2.2	2.7	2.2	1.6	1.1	1.6	1.6	2.2	2.2	2.2
157.5°	1.6	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
160°	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	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: P415088

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	167.5	166.4	163.7	160.9	158.2	156.0	153.3	152.7	152.7	151.6	151.6
5°	169.7	166.4	159.9	154.4	148.4	143.4	139.6	138.0	136.3	135.2	134.1
7.5°	174.6	169.2	158.2	149.5	140.7	133.0	127.6	124.8	123.2	121.5	122.1
10°	186.1	177.9	162.0	147.8	134.7	124.3	117.7	114.4	113.3	111.7	111.7
12.5°	210.8	199.8	176.8	152.7	132.5	118.2	110.6	109.5	110.6	112.2	112.2
15°	249.6	233.2	199.8	166.4	137.4	117.2	112.8	116.1	119.9	122.1	122.1
17.5°	297.3	274.8	227.2	182.3	144.5	127.0	121.5	125.9	130.8	134.1	134.1
20°	349.8	319.7	255.1	196.0	154.9	140.7	134.7	138.5	145.1	150.0	149.5
22.5°	418.2	374.4	287.4	208.0	167.5	153.3	149.5	154.4	164.2	170.8	171.3
25°	503.1	442.9	325.2	223.9	179.0	164.2	165.3	174.1	187.2	194.3	194.3
27.5°	593.4	517.3	357.5	239.8	191.1	175.7	181.2	193.2	207.5	215.7	216.8
30°	712.8	613.1	398.0	255.7	201.5	187.2	193.8	208.0	218.4	223.4	223.9
32.5°	834.3	704.0	430.3	272.1	211.3	195.4	201.5	215.1	224.4	229.9	229.4
35°	944.3	777.4	449.4	279.7	220.1	201.5	204.2	219.0	224.4	227.7	227.2
37.5°	1028.6	829.9	456.6	281.4	223.4	204.2	205.3	217.9	225.5	231.6	230.5
40°	1042.9	822.8	429.7	271.5	222.8	204.2	206.4	220.6	228.8	231.6	231.0
42.5°	1095.4	842.5	406.7	254.0	216.2	203.6	208.6	221.7	225.5	223.9	222.3
45°	1186.8	884.1	400.2	245.3	208.0	202.0	209.7	219.0	218.4	215.1	214.0
47.5°	1277.2	924.1	385.9	241.4	205.8	201.5	209.1	215.7	217.3	214.0	213.0
50°	1392.1	977.2	374.4	235.9	206.4	201.5	208.0	215.7	216.8	211.3	210.8
52.5°	1495.1	1013.9	357.5	231.0	206.9	203.1	208.0	215.7	216.2	210.8	209.7
55°	1602.3	1052.7	340.0	226.1	208.6	204.7	209.7	216.2	216.8	213.0	211.9
57.5°	1709.6	1086.7	320.3	222.3	210.2	208.0	210.8	216.8	221.2	220.1	220.1
60°	1928.6	1184.1	317.0	222.8	211.9	210.8	211.9	219.5	227.7	225.0	225.5
62.5°	2015.1	1204.9	310.9	229.9	216.8	213.0	213.5	221.7	230.5	234.3	233.8
65°	2093.9	1206.6	298.9	234.9	222.8	214.6	214.6	222.3	237.0	245.8	245.8
67°	2089.6	1173.7	290.1	235.4	225.5	216.2	214.0	222.3	237.6	247.4	248.0
67.5°	2064.4	1152.4	286.9	235.4	226.1	216.2	213.5	221.7	237.6	248.0	248.0
70°	1912.7	1040.1	265.5	229.4	224.4	213.5	210.2	216.2	234.3	248.5	248.5
72.5°	1584.3	856.2	235.4	214.6	214.0	206.4	201.5	208.0	225.5	240.3	239.8
75°	1280.5	684.3	205.3	192.7	198.2	192.7	188.9	193.8	210.8	225.5	224.4
77.5°	956.9	514.0	177.4	171.9	179.6	175.7	172.4	177.4	193.8	208.0	205.8
80°	707.3	396.3	154.4	152.2	157.7	156.6	155.5	157.7	171.9	181.2	179.6
82.5°	520.6	301.6	133.0	131.4	138.0	138.0	138.0	139.6	150.0	153.3	151.6
85°	370.1	227.2	117.2	112.8	118.2	121.0	122.6	123.2	128.6	129.2	125.4
87.5°	260.6	179.0	105.1	95.8	98.5	104.6	107.3	106.8	108.9	107.3	103.5
90°	181.7	140.7	95.3	81.6	81.6	87.6	92.0	91.4	92.0	87.6	83.8
92.5°	128.1	106.2	80.5	67.3	66.2	72.3	76.1	75.5	75.5	71.2	67.3
95°	85.9	78.3	64.1	54.2	52.6	57.5	61.3	60.2	60.2	55.8	54.2
97.5°	63.5	59.7	52.6	46.0	42.7	45.4	48.2	48.2	48.7	46.0	44.3
100°	49.8	48.2	44.9	39.4	36.1	36.7	38.3	38.3	40.5	38.3	37.2
102.5°	41.6	40.5	37.8	33.9	31.2	30.7	31.8	32.3	35.0	33.4	32.8
105°	34.5	33.9	32.3	29.0	26.8	26.8	26.8	27.4	30.1	29.0	29.0
107.5°	27.9	27.9	27.9	25.2	23.5	23.5	23.0	23.5	25.7	25.7	25.7



REPORT NUMBER: P415088

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.5	23.5	24.1	21.9	20.8	20.8	20.3	20.8	23.0	23.5	23.5
112.5°	20.3	20.3	20.8	19.7	18.6	18.6	18.1	18.1	20.3	21.9	21.9
115°	17.5	18.1	18.1	17.5	17.0	16.4	15.9	16.4	18.6	20.3	20.3
117.5°	15.3	15.9	16.4	15.9	15.3	14.8	14.2	14.8	17.0	19.2	19.2
120°	13.7	14.2	14.8	14.8	14.2	13.7	12.6	13.7	15.3	17.5	18.1
122.5°	12.6	13.1	13.1	13.1	13.1	12.0	11.5	12.0	13.7	15.9	16.4
125°	12.0	12.0	12.6	12.6	12.0	10.9	10.4	10.9	12.0	13.7	14.2
127.5°	11.5	11.5	12.0	12.0	10.9	9.9	9.3	9.9	10.9	12.0	12.0
130°	11.5	11.5	11.5	10.9	10.4	9.3	8.2	8.8	9.9	10.9	10.9
132.5°	10.9	10.4	10.4	10.4	9.3	8.2	7.7	7.7	8.8	9.9	9.9
135°	9.9	9.9	9.3	9.3	8.8	7.1	6.6	6.6	7.7	8.8	8.8
137.5°	8.8	8.8	8.2	8.2	7.7	6.6	5.5	6.0	7.1	7.1	7.7
140°	7.7	7.7	7.1	7.1	6.6	5.5	4.4	4.9	6.0	6.0	6.6
142.5°	6.6	6.6	6.6	6.0	5.5	4.4	3.8	4.4	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.9	4.4	3.3	2.7	3.8	4.9	4.4	4.4
147.5°	4.4	4.4	4.4	4.4	3.3	2.7	2.2	3.3	3.8	3.8	3.8
150°	3.3	3.3	3.3	3.3	2.7	1.6	1.6	2.7	3.3	3.3	3.3
152.5°	2.7	2.7	2.7	3.3	2.7	1.1	1.1	2.2	2.7	2.7	2.7
155°	2.2	2.2	2.7	2.7	2.2	1.1	0.5	1.6	2.2	2.2	2.2
157.5°	1.6	1.6	2.2	2.2	1.6	1.1	0.5	1.1	2.2	1.6	1.6
160°	1.1	1.6	1.6	1.6	1.6	1.1	0.0	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)