

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: P415094

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4622 lumens
Efficiency: N/A
Efficacy: 115.5 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

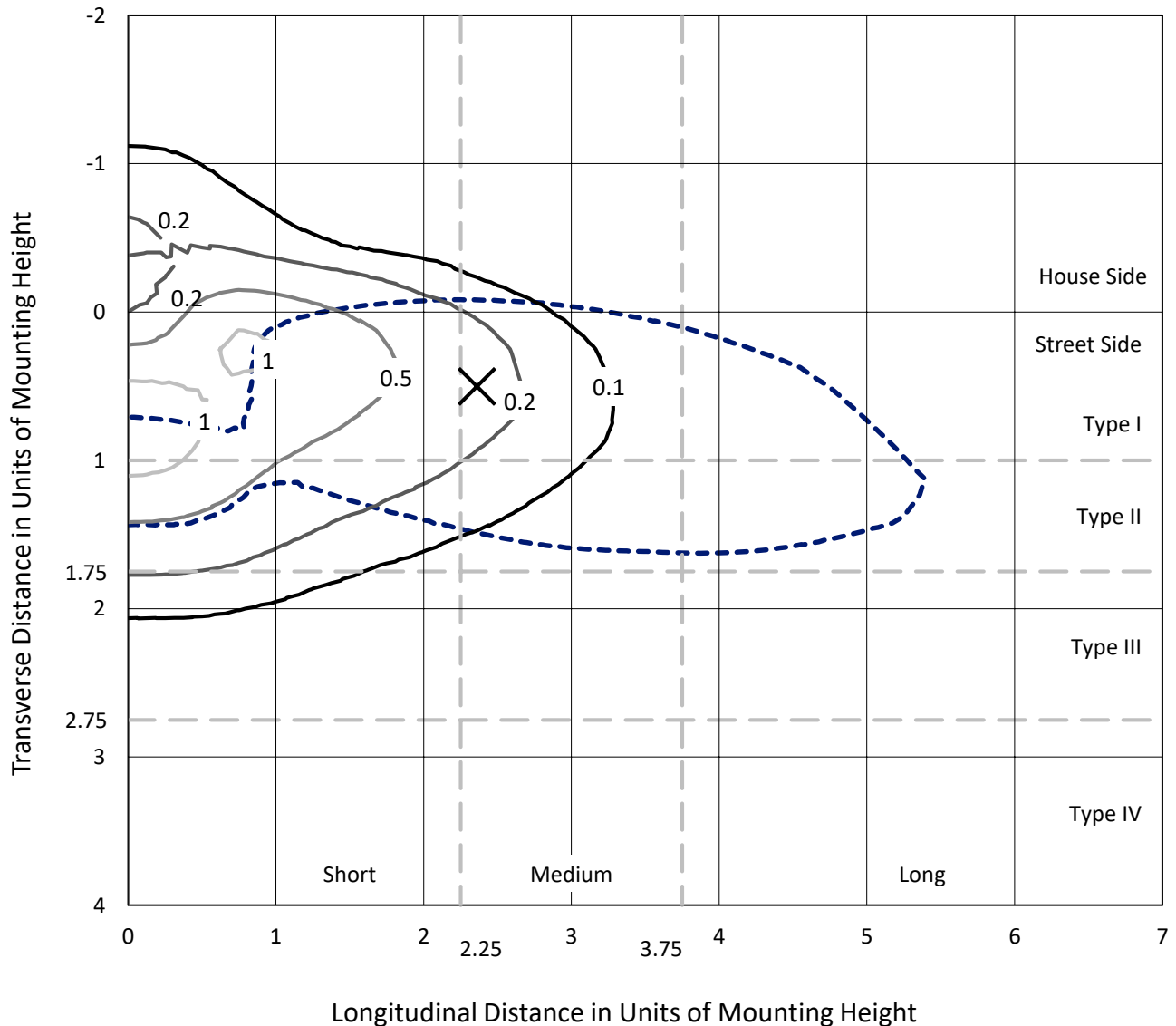


REPORT NUMBER: P415094

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

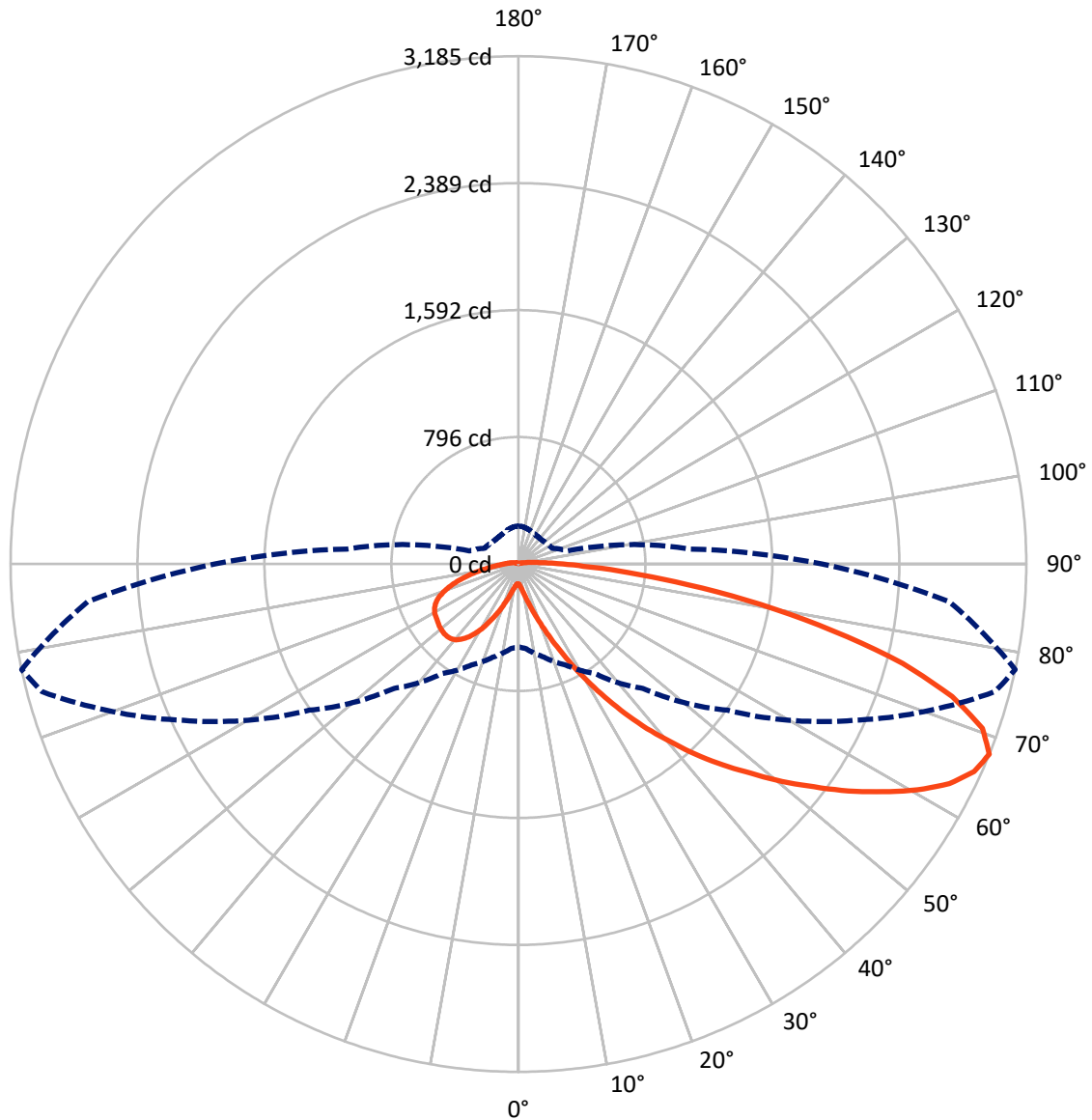


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415094

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

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415094

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

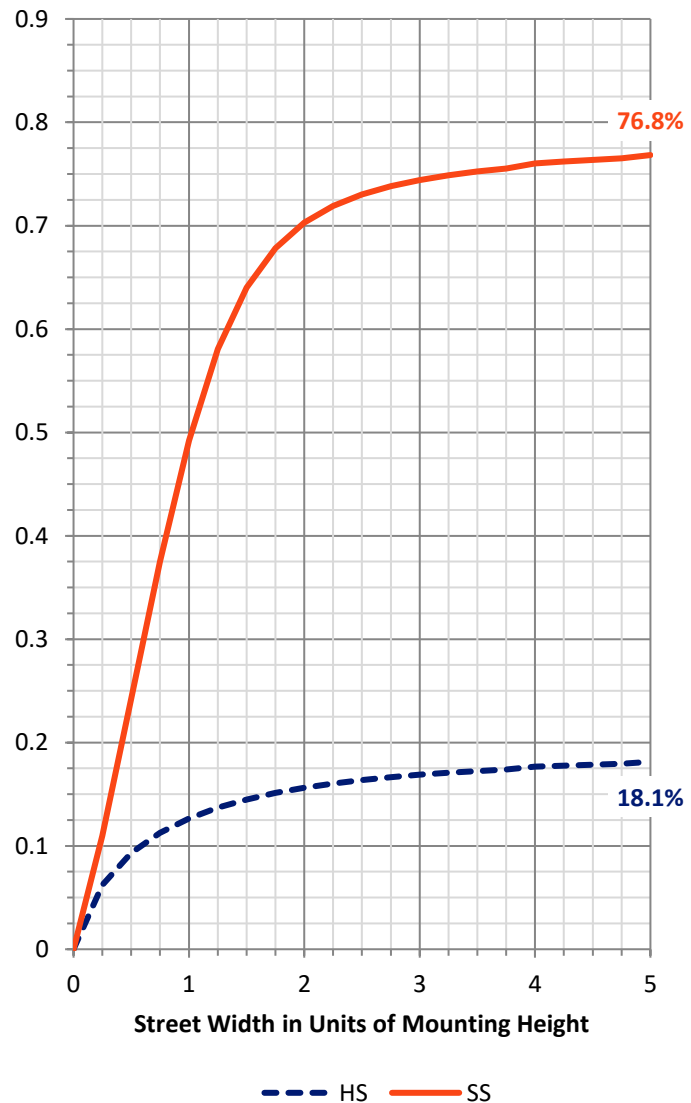
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	878.2	71.3	949.5
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3600.2	72.3	3672.5
	% Fixture	77.9	1.6	79.5
Total	Lumens	4478.4	143.6	4622.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	71.8	1.6
20°-30°	218.8	4.7
30°-40°	489.5	10.6
40°-50°	806.5	17.5
50°-60°	992.7	21.5
60°-70°	962.8	20.8
70°-80°	666.8	14.4
80°-90°	255.2	5.5
90°-100°	73.2	1.6
100°-110°	31.7	0.7
110°-120°	17.1	0.4
120°-130°	10.6	0.2
130°-140°	6.6	0.1
140°-150°	3.2	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4478.4	96.9
0°-180°	4622.0	100.0



REPORT NUMBER: P415094

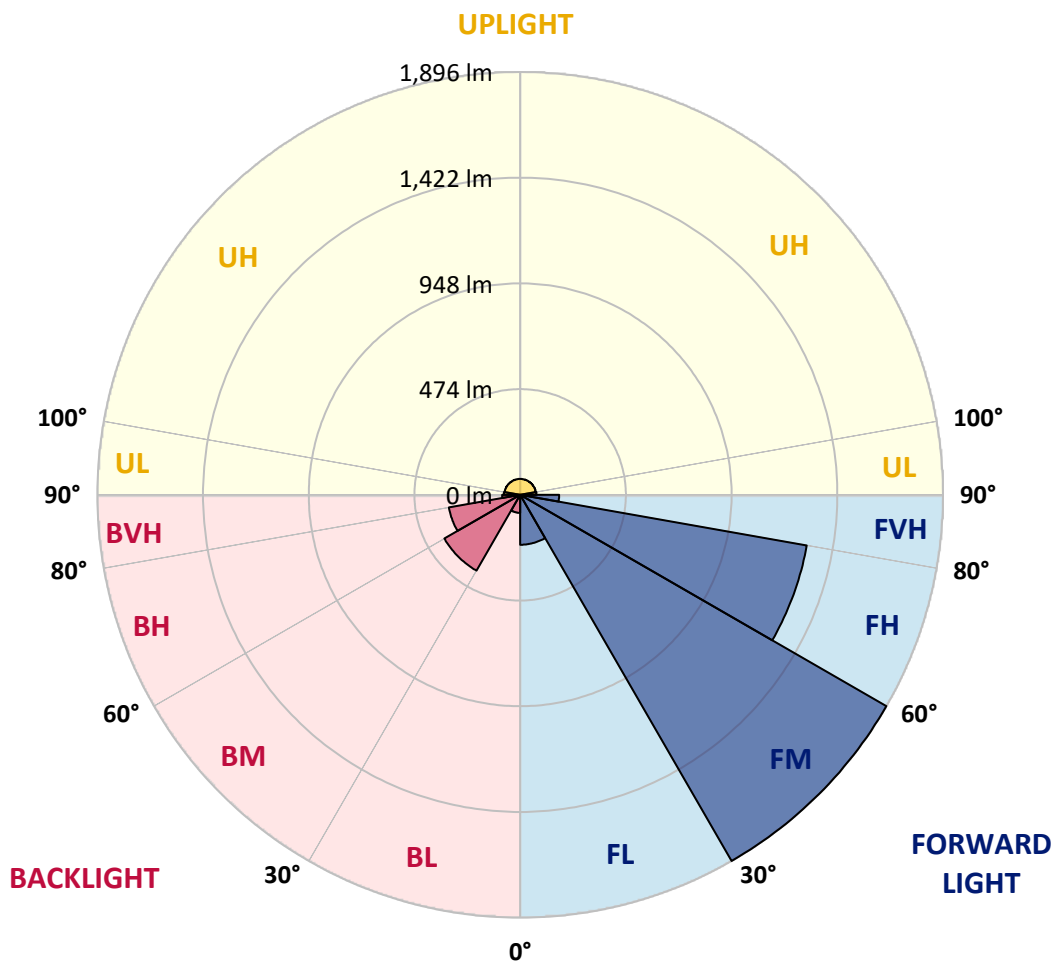
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.0	4.8			
FM	(30°-60°)	1896.4	41.0			
FH	(60°-80°)	1305.0	28.2			G1/1800
FVH	(80°-90°)	174.7	3.8			G2/225
BL	(0°-30°)	80.9	1.7	B0/110		
BM	(30°-60°)	392.3	8.5	B1/1000		
BH	(60°-80°)	324.5	7.0	B1/500		G1/500
BVH	(80°-90°)	80.5	1.7			G1/100
UL	(90°-100°)	73.2	1.6		U3/500	
UH	(100°-180°)	71.3	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P415094

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
2.5°	150.0	148.9	148.9	148.3	146.2	144.0	140.7	136.9	133.6	131.4	129.2
5°	182.3	178.5	179.6	176.3	172.4	168.1	162.0	153.8	146.2	144.5	138.5
7.5°	221.2	216.2	217.9	214.0	206.9	197.6	189.4	177.4	165.9	162.0	153.3
10°	270.4	265.5	262.8	257.3	249.1	237.0	224.4	208.6	192.7	187.2	176.3
12.5°	329.0	325.2	321.3	313.7	300.5	285.2	269.3	251.8	231.0	223.9	206.9
15°	401.8	398.5	390.3	379.9	360.7	343.8	319.7	303.8	278.1	269.3	248.5
17.5°	483.4	476.8	468.6	453.3	431.4	410.0	389.8	362.9	335.0	327.9	302.2
20°	584.1	581.9	566.0	540.3	516.2	487.2	467.5	441.2	410.0	400.2	366.2
22.5°	703.4	699.0	680.4	641.6	605.4	568.2	552.3	525.0	502.5	488.8	444.5
25°	846.8	838.6	808.0	761.4	710.0	665.7	639.4	629.5	612.0	591.2	537.0
27.5°	999.6	1000.1	958.0	889.0	817.3	764.2	743.9	747.8	726.4	714.9	648.7
30°	1188.4	1174.7	1119.5	1034.6	937.7	869.3	857.2	876.4	870.4	847.9	769.7
32.5°	1377.3	1372.4	1303.9	1187.9	1060.9	985.9	977.1	1018.7	1017.1	994.6	895.0
35°	1565.6	1560.1	1475.3	1340.1	1189.5	1103.6	1095.9	1150.7	1170.4	1147.9	1036.2
37.5°	1755.0	1742.4	1657.0	1492.8	1311.6	1211.4	1214.7	1283.7	1329.7	1309.4	1172.6
40°	1922.0	1919.8	1820.1	1633.5	1429.3	1320.9	1342.8	1433.7	1490.1	1462.1	1311.0
42.5°	2050.1	2040.7	1952.6	1750.1	1534.9	1423.3	1461.0	1581.5	1653.7	1634.6	1447.4
45°	2109.2	2103.7	2033.1	1838.2	1617.1	1511.9	1571.6	1718.3	1816.9	1796.1	1587.5
47.5°	2093.3	2088.4	2050.1	1881.5	1671.2	1588.0	1669.1	1851.3	1988.2	1960.3	1727.1
50°	1998.0	2003.0	1990.9	1868.9	1690.4	1636.8	1761.6	1984.4	2155.7	2142.6	1861.7
52.5°	1824.0	1838.2	1857.4	1803.2	1672.9	1658.7	1828.4	2099.9	2322.1	2321.6	2011.2
55°	1597.9	1607.7	1674.5	1664.7	1606.1	1658.1	1877.6	2213.7	2509.3	2512.1	2165.6
57.5°	1358.1	1353.2	1441.9	1493.3	1508.7	1616.0	1901.7	2314.5	2674.6	2693.8	2328.7
60°	1095.9	1114.0	1197.2	1302.3	1359.8	1532.8	1893.5	2385.6	2833.9	2876.1	2477.0
62.5°	890.6	882.4	973.8	1088.3	1204.9	1413.4	1833.8	2419.0	2985.6	3032.7	2613.9
65°	672.8	689.7	772.4	873.7	1012.2	1262.9	1737.5	2401.5	3079.2	3139.4	2699.8
67.5°	518.9	532.1	602.7	697.9	839.2	1103.0	1598.4	2319.9	3093.4	3184.8	2711.9
70°	401.3	411.7	461.5	542.5	677.1	926.8	1403.0	2164.5	3015.7	3086.9	2601.3
72.5°	319.7	324.1	359.1	424.8	534.8	756.0	1190.6	1920.3	2780.8	2844.3	2374.7
75°	251.3	257.8	286.3	335.6	417.7	604.3	973.3	1622.5	2423.4	2489.1	2062.1
77.5°	199.8	206.4	227.7	262.2	324.1	465.8	760.4	1322.0	1978.3	2018.9	1642.8
80°	158.7	162.0	180.1	205.8	251.8	359.1	572.6	1003.4	1498.3	1540.4	1220.7
82.5°	120.4	123.2	141.2	163.7	196.5	272.1	413.8	705.6	1055.4	1066.9	828.8
85°	86.5	91.4	106.2	124.8	150.5	202.5	296.7	479.0	673.3	690.8	525.0
87.5°	61.3	63.5	78.3	95.8	115.0	150.0	206.4	315.3	414.4	409.5	318.6
90°	41.6	43.2	56.4	70.6	87.6	112.2	144.0	198.2	254.5	246.3	199.8
92.5°	27.9	30.7	41.6	53.6	68.4	86.5	102.4	129.7	157.7	150.0	127.0
95°	20.8	21.9	31.7	42.7	54.7	66.2	76.1	88.7	100.7	98.5	87.6
97.5°	16.4	17.5	25.7	35.0	44.3	53.6	59.1	63.5	70.1	69.5	63.0
100°	14.2	14.8	21.9	30.1	38.3	44.9	48.2	49.3	51.5	50.4	48.2
102.5°	12.0	13.1	19.2	26.3	33.4	38.3	40.5	39.4	38.9	37.8	35.6
105°	10.9	11.5	17.0	23.5	29.6	33.4	33.9	32.3	29.6	29.0	27.9
107.5°	10.4	10.9	15.3	21.3	26.3	29.6	29.0	26.8	23.5	22.4	21.9
110°	9.9	10.4	14.2	19.2	24.1	26.3	25.7	22.4	18.6	17.5	18.1



REPORT NUMBER: P415094

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	9.9	9.9	13.1	17.5	21.9	23.5	22.4	19.2	15.3	14.8	15.3
115°	9.3	9.9	12.6	16.4	19.7	21.3	19.7	16.4	13.1	12.6	13.1
117.5°	9.3	9.9	12.0	15.3	18.6	19.2	17.5	14.2	10.9	10.9	12.0
120°	9.3	9.9	11.5	14.2	17.0	17.5	15.9	12.6	9.9	9.9	10.9
122.5°	9.9	9.9	10.9	13.7	15.9	16.4	14.2	10.9	9.3	9.3	10.4
125°	9.9	9.9	10.9	12.6	14.8	14.8	13.1	9.9	8.2	8.2	9.9
127.5°	9.9	9.9	10.9	12.0	13.7	13.7	12.0	9.3	7.7	7.7	9.3
130°	9.9	10.4	10.4	11.5	12.6	12.6	10.9	8.2	7.7	7.7	8.8
132.5°	10.4	10.4	10.4	10.9	12.0	11.5	9.3	7.7	7.1	7.1	8.2
135°	9.9	9.9	9.9	10.4	10.9	10.4	8.2	6.6	6.6	7.1	7.7
137.5°	9.9	9.9	9.9	9.3	9.9	9.3	7.7	6.0	6.0	6.6	7.1
140°	8.8	9.3	8.8	8.8	8.8	8.2	6.6	4.9	5.5	6.0	6.0
142.5°	8.2	8.2	8.2	7.7	7.7	7.1	5.5	4.4	4.9	4.9	5.5
145°	7.7	7.7	7.1	6.6	6.6	5.5	4.4	3.8	4.4	4.4	4.9
147.5°	6.6	6.6	6.6	5.5	4.9	4.4	2.7	2.7	3.3	3.8	3.8
150°	5.5	5.5	5.5	4.9	3.8	3.3	2.2	2.7	2.7	2.7	3.3
152.5°	4.4	4.4	4.4	3.8	3.3	2.2	1.6	2.2	2.2	2.2	2.7
155°	2.7	2.7	2.7	2.7	2.2	1.1	1.6	1.6	2.2	2.2	2.2
157.5°	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
160°	0.5	0.5	1.1	1.1	1.6	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: P415094

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
2.5°	127.5	125.9	123.2	120.4	117.7	115.0	112.8	112.2	110.6	110.6	110.0
5°	135.2	132.5	125.4	119.9	113.9	108.9	105.1	103.5	101.8	100.7	100.7
7.5°	148.9	142.9	132.5	123.2	115.0	107.8	102.9	100.2	98.0	96.9	96.9
10°	167.5	159.8	144.0	130.3	118.2	109.5	104.0	100.7	99.1	98.0	97.4
12.5°	194.9	183.9	160.9	141.2	125.9	115.0	107.8	105.7	106.2	106.2	106.2
15°	232.1	216.2	185.0	158.2	136.3	122.1	117.1	117.1	118.8	119.3	118.2
17.5°	280.3	258.9	215.1	175.2	149.4	134.7	129.2	129.2	131.9	133.6	133.6
20°	339.4	308.7	246.9	197.6	164.8	148.9	142.3	142.9	146.2	148.3	148.3
22.5°	407.3	371.1	287.4	220.6	181.7	161.5	154.4	154.9	160.4	163.1	164.2
25°	495.4	439.6	327.9	244.1	197.6	173.5	166.4	167.0	174.1	177.9	177.9
27.5°	588.5	515.7	369.0	267.1	211.3	184.5	177.4	179.0	186.7	190.0	191.0
30°	687.5	596.7	410.0	286.8	222.2	192.7	185.6	188.9	196.0	200.9	201.4
32.5°	797.6	676.1	442.9	302.7	231.6	199.8	192.7	197.6	203.6	209.1	209.7
35°	912.5	754.9	471.9	313.7	237.6	205.8	198.2	203.1	209.1	214.0	213.5
37.5°	1015.4	819.5	491.0	318.0	240.9	209.1	202.0	206.9	212.4	216.2	216.2
40°	1116.7	886.8	500.3	314.8	240.9	210.8	203.6	209.1	214.0	216.2	216.2
42.5°	1213.1	936.6	498.7	308.2	239.8	211.3	204.7	209.7	214.0	215.1	215.1
45°	1296.3	982.6	488.8	297.2	235.9	210.8	205.3	209.7	212.9	212.9	213.5
47.5°	1394.8	1018.7	474.6	285.7	231.6	209.7	204.2	209.1	211.8	211.8	211.3
50°	1483.5	1053.8	455.4	273.2	227.7	208.6	203.6	208.6	211.8	210.8	210.8
52.5°	1577.6	1085.0	435.7	261.7	223.9	208.0	203.6	208.6	211.8	211.3	211.8
55°	1664.7	1116.2	411.1	251.3	221.7	207.5	204.2	209.1	213.5	213.5	212.9
57.5°	1776.3	1132.6	391.9	244.1	219.5	207.5	204.7	210.2	215.7	216.2	216.8
60°	1855.2	1153.9	376.1	239.8	219.5	208.6	206.4	211.8	219.0	221.7	223.3
62.5°	1912.7	1152.8	356.9	237.6	220.1	209.7	208.0	213.5	222.8	226.6	228.8
65°	1942.8	1133.1	337.2	235.9	220.6	210.8	209.1	214.6	225.5	232.6	234.8
67.5°	1903.3	1080.0	317.0	233.2	220.1	210.2	209.7	215.7	227.2	236.5	237.6
70°	1807.6	990.3	292.9	227.2	217.9	208.6	208.0	212.9	225.5	236.5	237.6
72.5°	1625.8	876.4	264.9	218.4	212.9	204.7	203.1	208.0	220.1	231.0	231.0
75°	1382.8	744.5	237.6	205.8	203.1	198.2	196.5	199.3	209.7	220.1	220.6
77.5°	1082.8	592.8	208.6	188.3	191.0	187.2	185.6	187.2	196.5	203.6	204.2
80°	823.9	451.6	180.6	167.5	174.1	173.0	171.3	170.8	177.4	182.8	181.2
82.5°	568.2	321.3	149.4	145.6	152.7	154.4	153.8	150.0	154.9	159.3	156.6
85°	366.8	227.2	124.8	123.2	129.7	132.5	131.9	129.2	130.3	135.2	129.7
87.5°	237.0	163.1	102.9	101.8	107.3	110.6	110.6	105.1	107.3	112.2	106.2
90°	148.3	115.5	85.9	85.4	89.2	90.9	88.7	85.4	86.5	89.2	87.0
92.5°	105.1	87.0	71.7	71.7	72.8	73.9	72.8	69.0	71.2	71.2	71.2
95°	76.6	69.0	62.4	61.3	60.8	60.2	59.7	56.9	59.1	58.6	56.9
97.5°	58.6	55.3	53.1	52.6	51.5	50.9	50.4	48.2	49.8	48.7	47.6
100°	46.0	45.4	45.4	45.4	44.3	42.7	42.7	42.2	42.2	40.5	40.5
102.5°	36.7	36.7	38.9	39.4	38.3	37.2	37.2	36.7	36.1	33.9	33.4
105°	29.0	30.1	33.4	33.9	33.4	32.3	31.7	31.7	30.7	27.9	27.9
107.5°	23.5	24.6	28.5	29.6	29.0	28.5	27.9	27.4	26.3	23.5	23.5
110°	19.2	20.8	24.1	25.7	25.2	24.6	24.6	23.5	22.4	20.3	20.3



REPORT NUMBER: P415094

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	18.1	20.8	22.4	22.4	21.9	21.3	20.8	19.2	17.5	17.5
115°	14.2	15.9	18.6	19.7	19.7	19.2	18.6	18.1	16.4	15.3	15.9
117.5°	13.1	14.2	16.4	17.5	17.5	17.0	16.4	15.9	14.8	14.2	14.2
120°	12.0	13.1	14.8	15.9	15.9	15.3	14.8	14.2	13.1	13.1	13.1
122.5°	10.9	12.0	13.7	14.2	14.2	13.7	13.1	12.6	11.5	12.0	12.0
125°	10.4	10.9	12.0	13.1	13.1	12.6	12.0	10.9	10.4	10.9	10.9
127.5°	9.9	10.4	11.5	12.0	12.0	11.5	10.4	9.9	9.3	9.9	9.9
130°	9.3	9.9	10.4	10.9	10.9	9.9	9.3	8.8	8.8	9.3	9.3
132.5°	8.8	9.3	9.3	9.9	9.9	9.3	8.2	7.7	7.7	8.2	8.2
135°	8.2	8.2	8.8	8.8	8.8	8.2	7.1	6.6	7.1	7.7	7.7
137.5°	7.1	7.7	7.7	8.2	7.7	7.1	6.0	6.0	6.6	6.6	6.6
140°	6.6	6.6	7.1	7.1	6.6	6.0	5.5	4.9	5.5	6.0	6.0
142.5°	6.0	6.0	6.0	6.0	6.0	4.9	4.4	4.4	4.9	4.9	4.9
145°	4.9	4.9	5.5	4.9	4.9	3.8	3.3	3.8	4.4	4.4	4.4
147.5°	3.8	4.4	4.4	4.4	3.8	2.7	2.2	3.3	3.8	3.8	3.8
150°	3.3	3.3	3.3	3.3	3.3	2.2	1.6	2.7	3.3	3.3	3.3
152.5°	2.7	2.7	3.3	3.3	2.7	1.6	1.1	2.2	2.7	2.7	2.2
155°	2.2	2.2	2.7	2.7	2.2	1.1	1.1	1.6	2.2	2.2	1.6
157.5°	1.6	2.2	2.2	2.2	1.6	1.1	0.5	1.1	1.6	1.6	1.6
160°	1.6	1.6	1.6	2.2	1.6	1.1	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)