

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: P415271

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3497 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

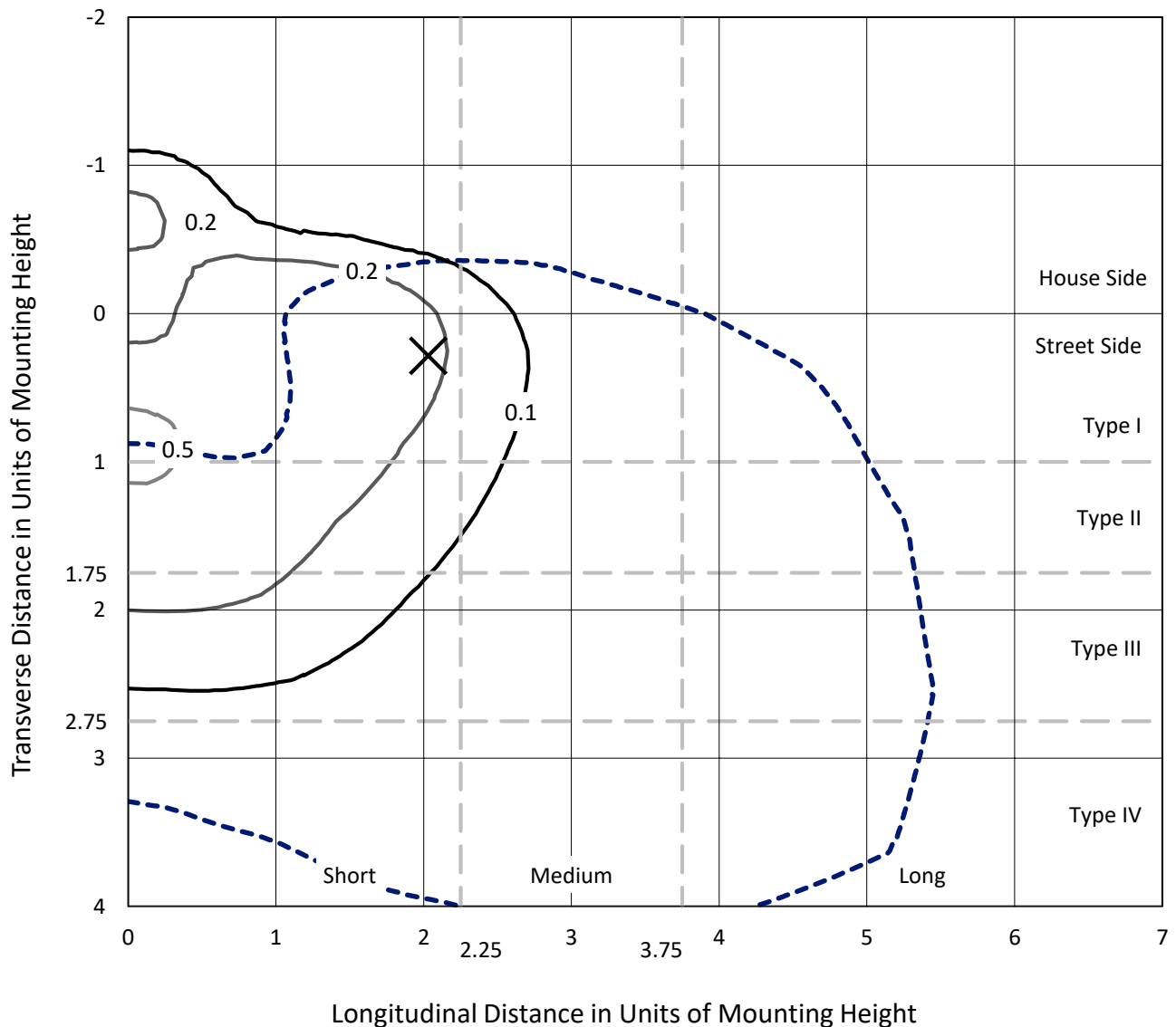


REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

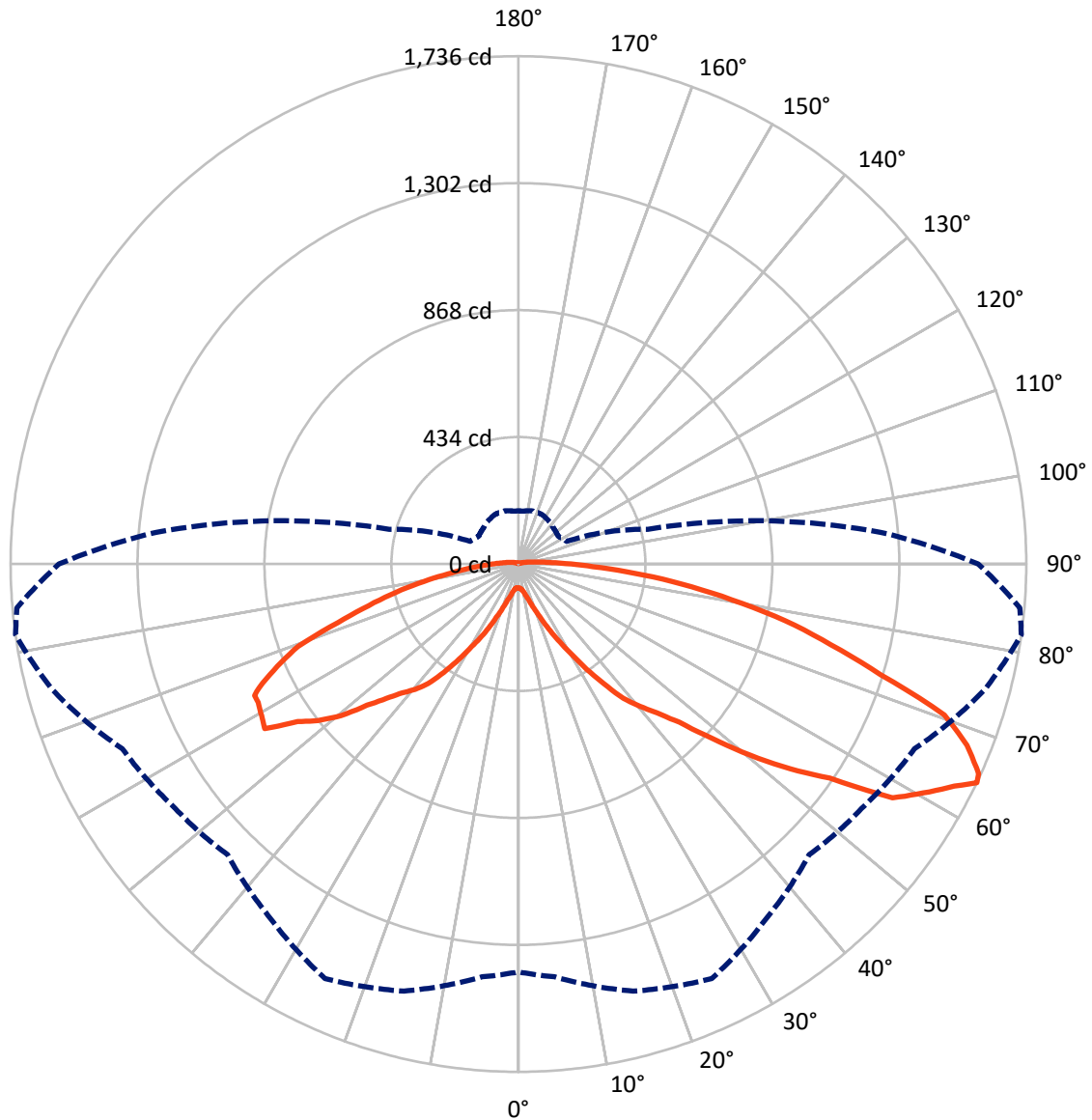


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

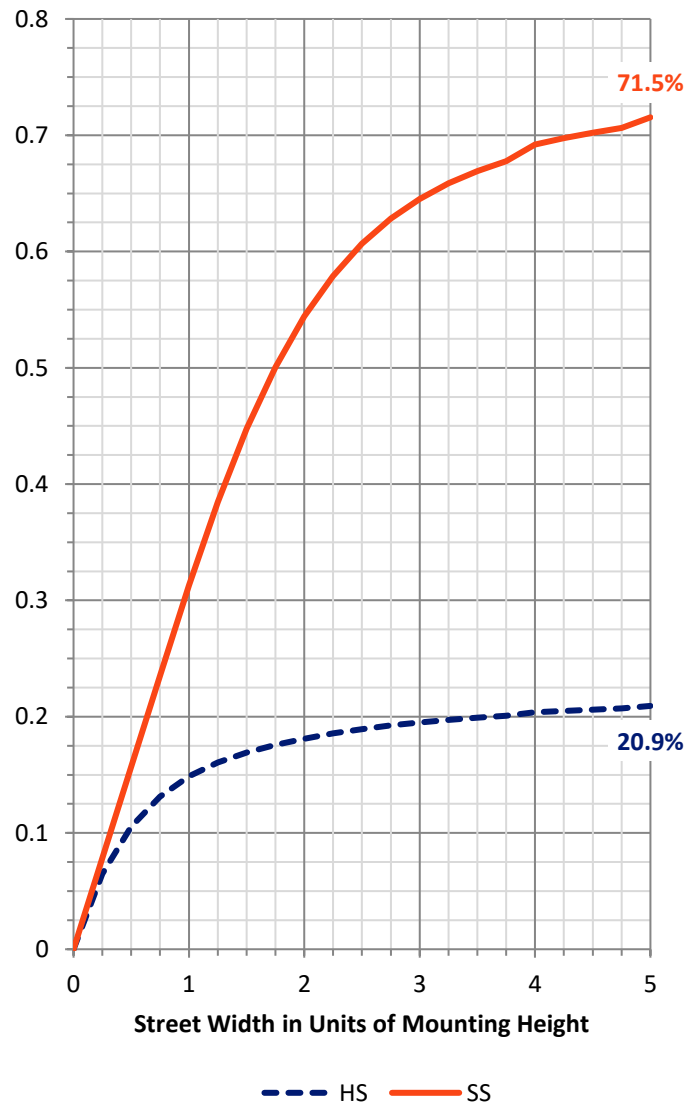
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	768.8	57.6	826.3
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2595.2	75.4	2670.6
	% Fixture	74.2	2.2	76.4
Total	Lumens	3363.9	133.0	3497.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.2
10°-20°	36.0	1.0
20°-30°	103.7	3.0
30°-40°	238.0	6.8
40°-50°	418.0	12.0
50°-60°	671.3	19.2
60°-70°	901.2	25.8
70°-80°	689.0	19.7
80°-90°	298.4	8.5
90°-100°	83.8	2.4
100°-110°	25.4	0.7
110°-120°	11.2	0.3
120°-130°	6.4	0.2
130°-140°	3.9	0.1
140°-150°	1.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3363.9	96.2
0°-180°	3497.0	100.0



REPORT NUMBER: P415271

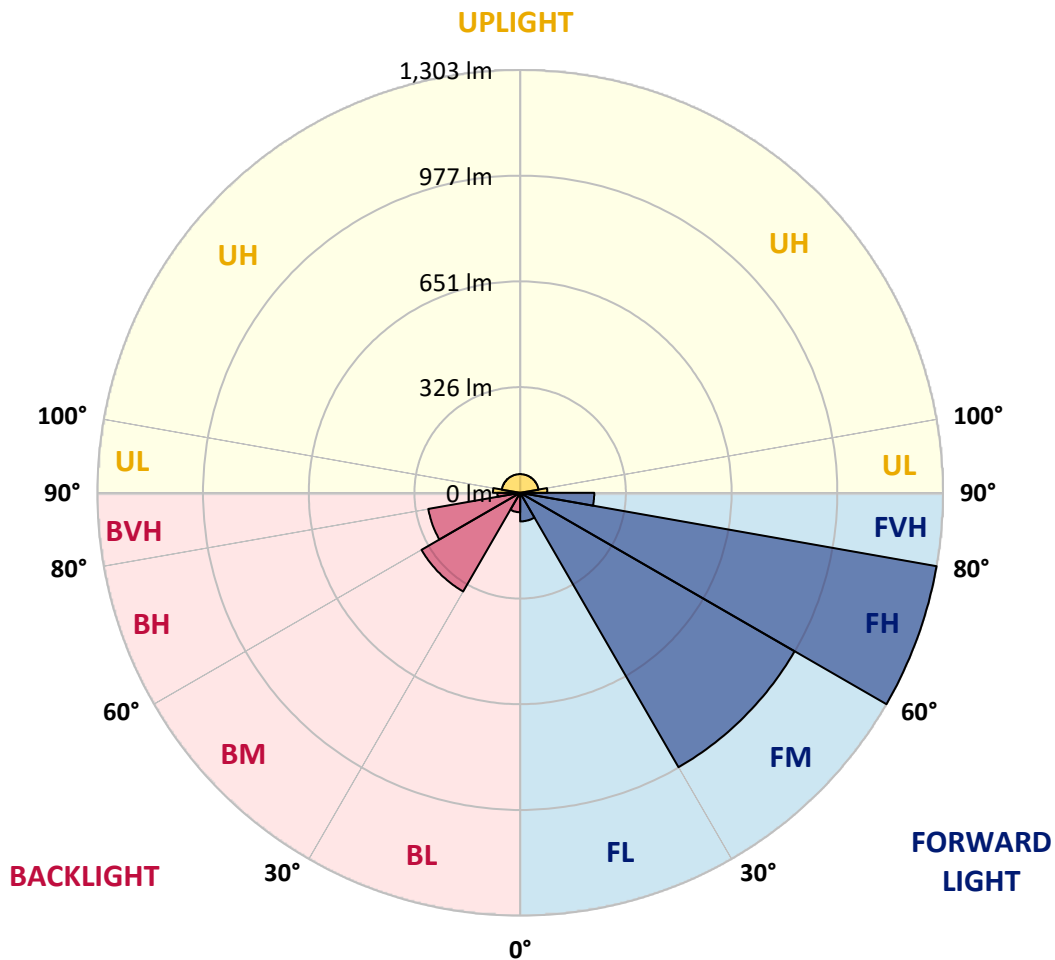
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.1	2.5			
FM	(30°-60°)	976.2	27.9			
FH	(60°-80°)	1302.8	37.3			G1/1800
FVH	(80°-90°)	228.1	6.5			G3/500
BL	(0°-30°)	60.0	1.7	B0/110		
BM	(30°-60°)	351.1	10.0	B1/1000		
BH	(60°-80°)	287.4	8.2	B1/500		G1/500
BVH	(80°-90°)	70.3	2.0			G1/100
UL	(90°-100°)	83.8	2.4		U3/500	
UH	(100°-180°)	57.6	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2.5°	87.7	87.3	87.3	87.7	87.7	86.9	85.3	84.1	82.9	82.5	82.1
5°	95.8	95.4	95.0	95.4	94.2	93.0	90.6	88.1	86.5	84.9	84.5
7.5°	106.7	106.3	105.9	105.0	103.4	101.0	97.4	94.2	91.4	89.4	88.5
10°	120.7	119.1	118.7	117.1	114.3	110.3	106.3	102.2	99.0	96.2	95.0
12.5°	140.1	140.1	136.8	133.2	128.4	122.4	117.1	113.9	110.7	109.1	106.7
15°	163.8	163.0	159.8	153.7	145.7	138.9	133.2	129.2	127.2	124.4	123.2
17.5°	190.0	188.4	185.5	176.3	166.6	159.4	152.9	148.9	147.7	145.3	144.9
20°	224.2	221.8	214.9	203.7	190.4	182.3	176.3	171.9	171.5	172.3	171.9
22.5°	264.8	263.2	254.8	234.2	219.4	207.7	199.6	200.4	205.7	208.1	204.9
25°	313.5	315.1	301.1	273.7	254.0	234.2	231.0	235.5	247.1	253.6	254.0
27.5°	371.1	370.7	352.2	322.0	291.4	269.3	264.0	276.9	293.4	302.7	302.7
30°	435.5	441.1	415.0	375.5	332.9	306.7	302.7	322.4	339.7	356.2	361.0
32.5°	521.2	520.0	486.2	438.7	382.0	344.9	341.7	366.7	405.7	428.6	428.6
35°	627.9	623.4	576.4	505.1	429.0	387.6	388.0	422.6	474.1	502.3	505.1
37.5°	719.6	723.3	675.8	589.2	489.8	436.3	441.1	487.8	549.8	582.8	594.1
40°	817.8	819.0	766.7	672.5	555.4	488.2	499.9	553.8	612.6	639.9	650.8
42.5°	904.4	911.6	859.3	756.3	621.8	551.8	557.4	604.5	662.9	695.5	710.8
45°	963.9	968.0	935.8	833.1	693.9	616.6	615.8	659.7	734.9	771.2	795.7
47.5°	1044.8	1055.7	1009.4	910.4	767.9	682.6	675.8	732.1	831.1	889.9	910.8
50°	1139.8	1156.3	1123.7	1004.2	852.5	760.3	761.5	828.7	950.7	1027.5	1049.3
52.5°	1234.4	1240.8	1219.1	1116.9	950.7	850.8	860.5	944.6	1084.7	1163.6	1176.9
55°	1285.1	1294.4	1300.8	1219.9	1068.6	958.3	975.2	1076.6	1199.0	1291.6	1321.7
57.5°	1333.4	1346.3	1363.2	1308.1	1185.7	1091.1	1107.6	1197.8	1376.5	1508.5	1531.4
60°	1415.1	1426.4	1459.0	1413.9	1293.2	1217.9	1235.2	1362.0	1498.8	1589.8	1592.2
62.5°	1413.9	1431.6	1510.5	1521.8	1408.3	1339.9	1382.1	1450.5	1558.8	1673.1	1670.7
64°	1394.6	1416.7	1511.7	1564.0	1478.3	1405.9	1442.5	1494.0	1651.8	1736.3	1721.0
65°	1380.9	1405.5	1508.1	1574.9	1516.5	1443.3	1470.7	1530.2	1678.7	1729.1	1708.1
67.5°	1305.6	1333.0	1469.1	1573.7	1556.0	1502.1	1510.9	1566.5	1634.1	1653.8	1616.4
70°	1170.8	1185.3	1339.9	1507.7	1517.0	1465.4	1489.6	1518.2	1555.2	1545.5	1496.4
72.5°	924.1	953.9	1110.0	1349.1	1401.8	1364.8	1374.1	1388.2	1350.7	1295.2	1236.8
75°	658.1	684.6	830.3	1064.2	1220.7	1205.8	1218.7	1196.2	1154.7	1104.0	1046.9
77.5°	457.6	466.1	586.4	802.9	975.6	1021.1	1048.9	1017.1	993.7	933.0	887.1
80°	296.2	310.3	386.0	581.6	773.2	866.1	910.8	890.3	836.0	739.0	686.6
82.5°	183.5	194.8	254.4	412.9	613.0	742.2	785.2	757.1	670.1	561.9	509.5
85°	105.0	107.5	148.9	268.9	448.0	589.6	647.2	602.1	501.1	396.4	350.6
87.5°	60.4	62.4	88.9	164.6	309.9	444.3	499.1	433.5	336.5	254.8	224.6
90°	38.6	41.1	57.6	107.5	199.6	317.6	357.8	297.4	225.4	161.4	142.1
92.5°	26.6	27.8	38.6	66.8	128.8	209.7	239.1	198.8	140.5	103.0	91.4
95°	19.3	20.1	27.4	45.5	82.9	131.6	147.7	126.0	92.2	68.4	61.2
97.5°	15.7	16.1	21.3	33.4	57.2	83.7	88.5	78.5	61.2	48.7	45.9
100°	13.3	13.7	17.7	25.8	40.7	54.7	55.9	52.7	43.1	36.2	34.6
102.5°	12.1	12.1	14.9	20.9	30.6	39.0	39.0	36.2	29.8	26.6	26.6
105°	10.9	10.9	12.9	17.3	24.1	30.2	29.8	26.6	22.5	20.1	20.5
107.5°	9.7	9.7	11.3	14.1	19.7	23.7	22.9	19.7	17.3	15.7	16.1



REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	8.9	8.9	10.1	12.1	16.5	19.7	18.5	15.3	12.9	12.9	13.3
112.5°	8.0	8.0	8.9	10.9	14.1	16.1	14.9	12.1	10.5	10.5	10.9
115°	7.2	7.2	8.0	9.7	12.5	13.7	12.5	9.7	8.5	8.9	9.7
117.5°	6.8	6.8	7.6	8.9	10.9	11.7	10.5	8.0	7.2	8.0	8.5
120°	6.4	6.4	7.2	8.5	10.1	10.5	8.9	7.2	6.4	7.2	7.6
122.5°	6.4	6.4	6.8	8.0	9.3	9.3	8.0	6.4	5.6	6.4	6.8
125°	6.4	6.4	6.8	7.6	8.5	8.5	7.2	5.6	5.2	6.0	6.0
127.5°	6.8	6.8	7.2	7.6	8.0	7.6	6.4	5.2	4.8	5.6	5.6
130°	6.8	6.8	6.8	7.2	7.2	6.8	5.6	4.8	4.8	5.2	5.6
132.5°	6.8	6.8	6.8	6.8	6.8	6.0	5.2	4.4	4.8	5.2	5.6
135°	6.4	6.4	6.4	6.4	6.0	5.2	4.4	3.6	4.4	4.8	4.8
137.5°	5.6	6.0	5.6	5.6	5.6	4.8	3.6	3.2	3.6	4.4	4.4
140°	5.2	5.2	5.2	5.2	4.8	4.0	3.2	2.4	2.8	3.6	3.6
142.5°	4.8	4.8	4.8	4.4	4.4	3.6	2.4	2.0	2.4	2.8	2.8
145°	4.0	4.0	4.0	4.0	3.6	2.8	2.0	1.6	2.0	2.4	2.4
147.5°	3.2	3.2	3.2	3.2	2.8	2.4	1.6	1.6	2.0	2.0	2.0
150°	2.4	2.8	2.8	2.8	2.4	2.0	1.2	1.2	1.6	2.0	2.0
152.5°	2.0	2.0	2.0	2.4	2.0	1.2	0.8	1.2	1.6	1.6	1.6
155°	1.2	1.6	1.6	1.6	1.6	1.2	0.8	1.2	1.2	1.6	1.6
157.5°	0.8	0.8	1.2	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2
160°	0.4	0.4	0.8	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2
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: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2.5°	81.7	81.3	80.5	79.7	79.3	79.3	78.5	78.1	76.9	76.9	76.5
5°	83.3	82.5	80.9	79.3	78.1	77.7	76.9	75.7	74.9	74.5	74.5
7.5°	86.9	85.7	82.5	80.5	78.9	77.7	76.9	75.7	74.9	74.5	74.5
10°	93.0	91.0	87.3	83.7	81.3	79.7	78.9	78.5	78.1	77.7	77.7
12.5°	104.6	101.8	95.8	91.4	86.5	84.1	83.3	84.1	86.1	86.9	87.3
15°	120.7	117.1	109.9	101.8	94.6	90.6	92.2	96.2	99.8	101.4	101.0
17.5°	140.9	135.2	126.4	115.5	105.4	103.4	105.0	109.5	114.7	117.1	116.7
20°	166.6	162.2	148.9	131.2	119.9	116.7	117.9	123.6	131.2	133.6	134.4
22.5°	202.0	195.6	175.1	150.5	135.6	129.6	130.8	138.1	148.5	154.2	155.4
25°	247.9	241.1	210.9	173.5	150.1	140.9	145.7	155.4	172.3	181.1	180.3
27.5°	301.1	289.4	249.9	201.6	167.0	152.5	159.8	175.5	193.2	204.5	203.7
30°	350.2	340.1	287.4	227.4	181.5	163.8	171.5	191.6	212.1	225.8	226.6
32.5°	423.8	405.3	331.2	249.5	193.2	173.1	180.3	204.9	228.6	245.1	244.7
35°	499.9	479.0	379.5	275.3	203.3	179.1	186.8	214.5	240.7	260.4	260.8
37.5°	580.0	550.6	422.6	292.2	211.3	182.7	190.4	221.4	254.8	277.3	278.1
40°	633.9	600.5	448.8	301.1	213.7	185.1	193.6	226.2	257.2	273.7	275.3
42.5°	694.3	647.2	462.5	293.8	210.9	184.7	194.4	222.6	246.7	258.4	259.6
45°	777.6	714.4	477.3	282.5	203.3	183.5	191.2	212.9	228.6	233.0	233.0
47.5°	885.9	796.1	502.3	270.5	195.2	179.9	185.5	199.6	205.7	204.9	202.9
50°	1015.9	912.0	532.5	260.0	187.6	175.5	179.1	187.2	189.2	186.8	185.5
52.5°	1145.5	1005.4	553.4	250.7	182.7	171.5	173.9	179.9	179.9	172.7	171.5
55°	1264.2	1089.9	547.8	233.0	179.1	169.4	171.9	176.3	172.7	164.2	162.6
57.5°	1456.2	1236.0	562.3	215.7	173.9	169.0	172.3	175.1	169.8	161.8	160.2
60°	1490.4	1230.0	528.1	204.9	170.2	170.2	173.9	177.1	173.5	166.2	165.8
62.5°	1537.9	1235.6	476.1	189.2	167.8	171.1	177.5	182.3	181.9	176.7	175.9
64°	1571.3	1243.7	457.6	181.9	165.8	171.1	180.3	187.6	187.6	181.5	181.5
65°	1538.3	1213.1	443.9	178.3	163.8	171.1	181.9	190.8	190.0	185.1	184.3
67.5°	1438.5	1113.7	386.0	170.2	159.4	171.1	186.3	196.0	197.2	193.2	191.6
70°	1316.5	1005.0	335.7	161.0	155.0	169.0	186.3	199.2	201.2	196.8	195.6
72.5°	1073.0	808.2	276.9	150.9	148.5	164.2	183.9	197.6	199.6	194.4	192.8
75°	899.5	660.1	229.4	141.3	141.7	158.2	177.9	190.4	190.4	184.7	182.3
77.5°	741.0	532.9	190.0	132.0	133.6	150.5	167.0	175.1	172.7	167.4	164.2
80°	555.0	402.5	156.6	122.0	123.6	138.1	151.7	157.4	155.0	148.5	147.7
82.5°	406.1	289.4	133.6	111.5	112.7	124.4	134.4	139.3	141.3	136.0	134.4
85°	266.8	204.1	114.7	101.0	101.8	110.7	117.1	121.1	125.6	124.0	123.2
87.5°	174.3	141.3	97.0	88.9	89.8	97.0	101.4	105.4	114.3	115.5	113.9
90°	117.1	99.0	80.1	76.9	78.1	84.1	86.5	90.6	100.2	101.8	101.8
92.5°	78.5	70.8	64.8	64.8	66.8	72.0	72.4	73.7	81.7	83.7	82.9
95°	55.1	52.7	52.3	53.1	55.5	59.6	57.6	56.7	62.0	62.4	61.6
97.5°	42.3	41.5	42.3	43.5	44.7	48.7	46.7	44.7	47.1	46.3	47.1
100°	33.8	33.4	34.6	34.6	35.8	39.4	37.8	36.6	37.0	35.4	35.4
102.5°	27.0	27.0	28.2	28.6	29.4	32.2	31.8	30.6	29.8	28.2	28.6
105°	20.9	21.3	22.9	23.3	24.6	27.0	26.6	25.0	24.1	22.1	22.5
107.5°	16.9	17.7	18.9	19.3	20.5	22.5	21.7	20.1	18.9	18.1	18.1



REPORT NUMBER: P415271

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.1	14.5	15.7	16.1	17.3	18.9	18.5	16.5	14.9	14.5	14.9
112.5°	11.7	12.5	13.3	13.7	14.9	16.1	14.9	13.3	12.1	12.5	12.5
115°	10.1	10.5	11.3	11.7	12.5	13.7	12.5	10.9	10.1	10.5	10.9
117.5°	9.3	9.7	10.1	10.1	10.9	11.7	10.5	9.3	8.9	9.3	9.7
120°	8.0	8.5	8.9	9.3	9.7	10.1	9.3	8.0	7.6	8.5	8.5
122.5°	7.2	7.6	7.6	8.0	8.5	8.9	8.0	7.2	6.8	7.2	7.6
125°	6.4	6.8	7.2	7.2	7.6	7.6	7.2	6.4	6.4	6.8	6.8
127.5°	6.0	6.4	6.4	6.8	6.8	6.8	6.4	5.6	6.0	6.4	6.4
130°	6.0	6.0	6.0	6.0	6.0	6.0	5.6	5.2	5.6	6.0	6.0
132.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.8	4.8	5.2	5.6	5.6
135°	5.2	5.2	4.8	4.8	4.8	4.8	4.4	4.4	4.4	4.8	4.8
137.5°	4.4	4.4	4.0	4.0	4.0	4.0	3.6	3.6	4.0	4.4	4.4
140°	3.6	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.6	3.6	4.0
142.5°	2.8	2.8	2.8	2.4	2.4	2.8	2.8	2.8	3.2	3.2	3.2
145°	2.4	2.4	2.4	2.0	2.0	2.4	2.4	2.4	2.8	2.8	2.8
147.5°	2.0	2.0	2.0	1.6	1.2	2.0	2.0	2.0	2.4	2.0	2.0
150°	2.0	2.0	1.6	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.2	0.8	0.8	1.2	1.6	1.2	1.2	1.2
155°	1.6	1.6	1.2	1.2	0.8	0.4	0.8	1.2	0.8	0.8	0.8
157.5°	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4	0.4
160°	1.2	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.4	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)