

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: P415287

Luminaire Tested: **LXF.LXT-PA1-40-830-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3711 lumens
Efficiency: N/A
Efficacy: 92.8 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 - G2

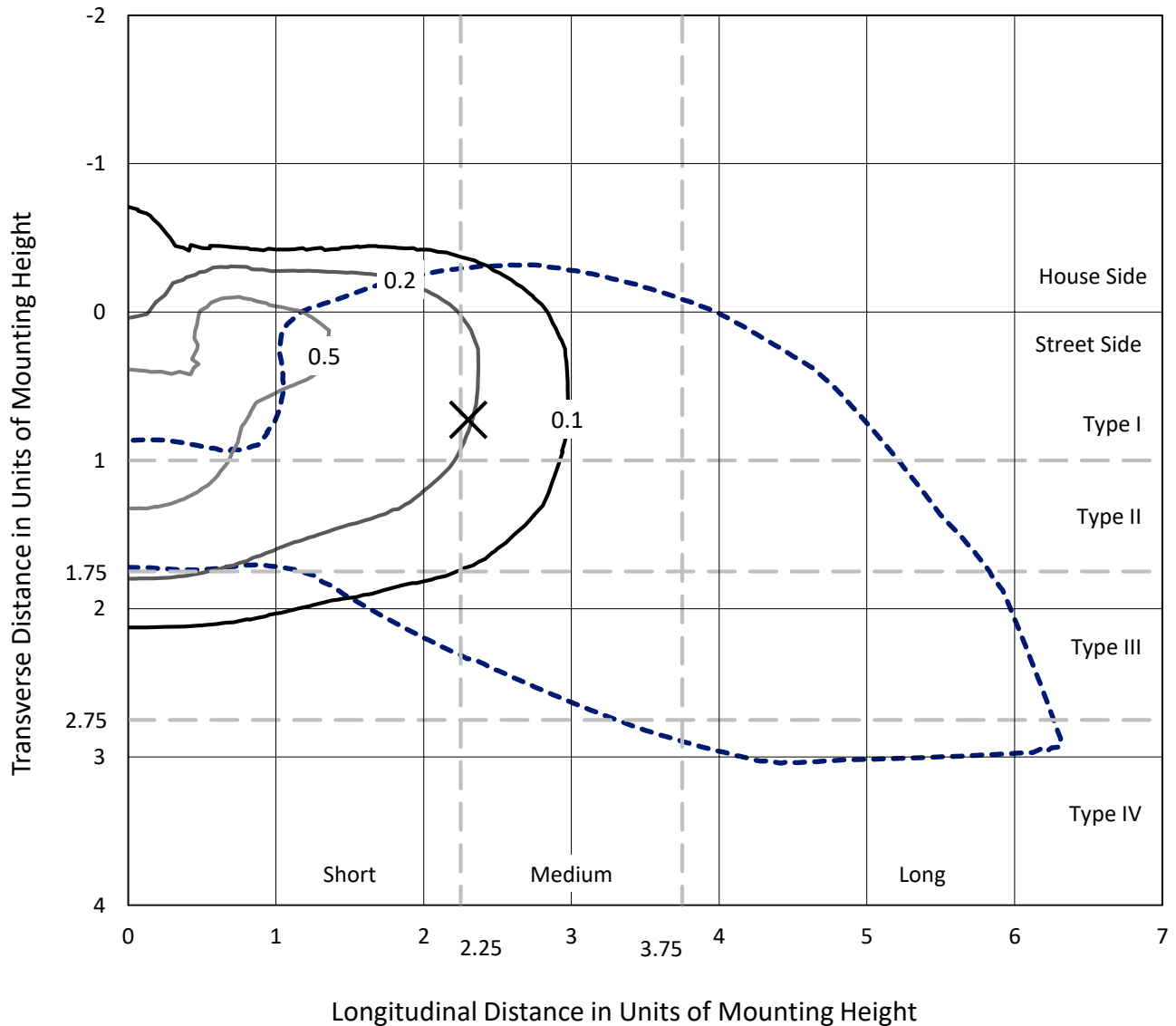
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415287
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

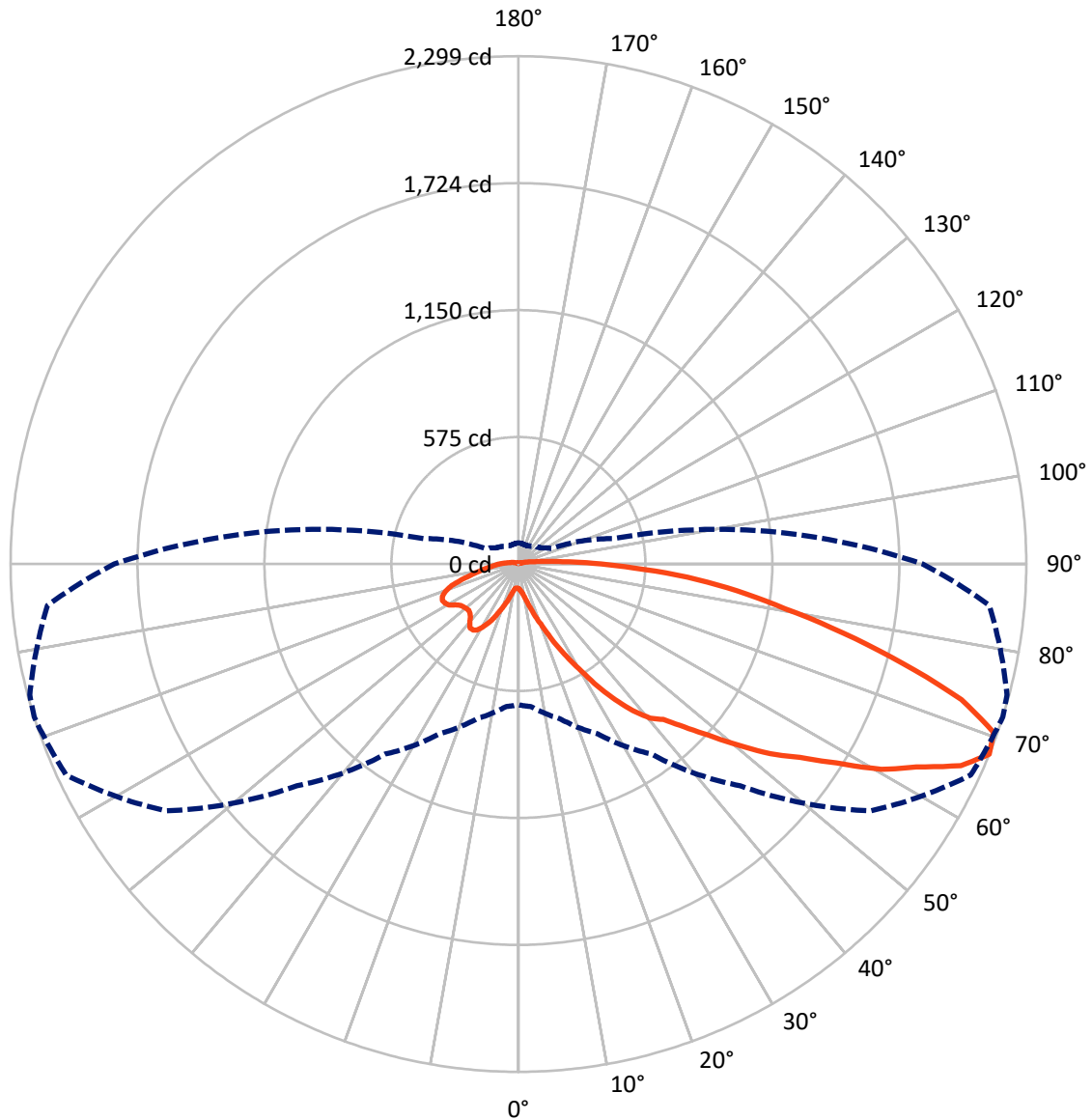
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415287
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415287

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

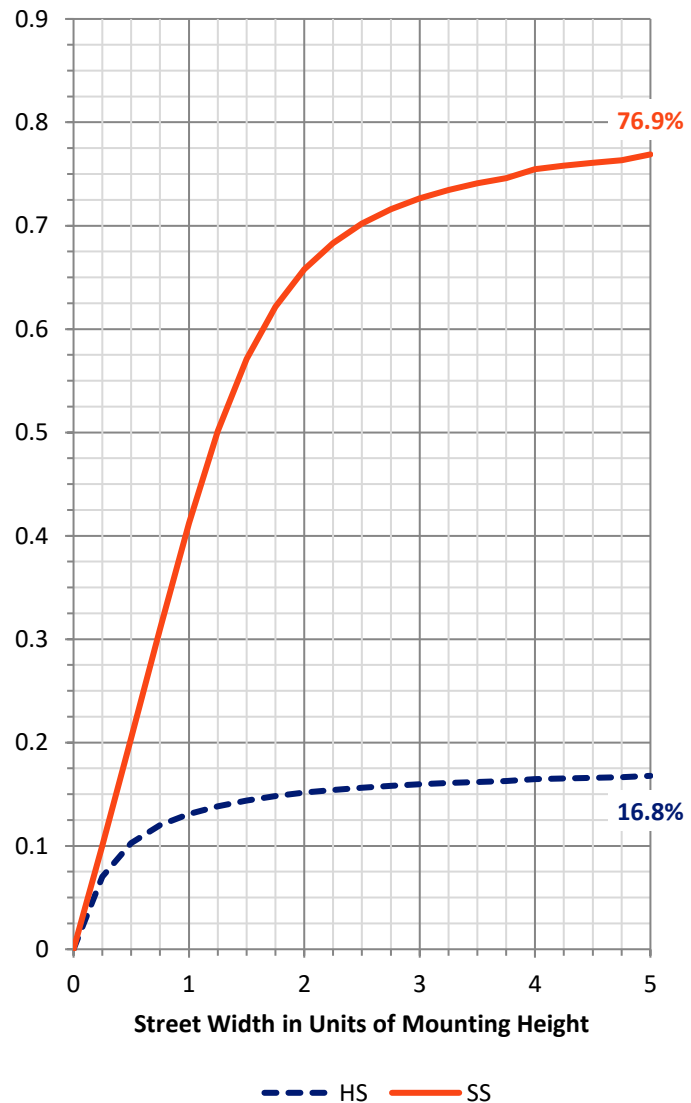
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.3	57.1	706.4
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	2923.9	80.7	3004.6
	% Fixture	78.8	2.2	81.0
Total	Lumens	3573.2	137.8	3711.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.3
10°-20°	50.1	1.3
20°-30°	138.8	3.7
30°-40°	298.4	8.0
40°-50°	505.1	13.6
50°-60°	741.1	20.0
60°-70°	883.8	23.8
70°-80°	660.0	17.8
80°-90°	284.2	7.7
90°-100°	82.5	2.2
100°-110°	26.8	0.7
110°-120°	12.6	0.3
120°-130°	7.7	0.2
130°-140°	4.9	0.1
140°-150°	2.2	0.1
150°-160°	0.8	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	3573.2	96.3
0°-180°	3711.0	100.0



REPORT NUMBER: P415287

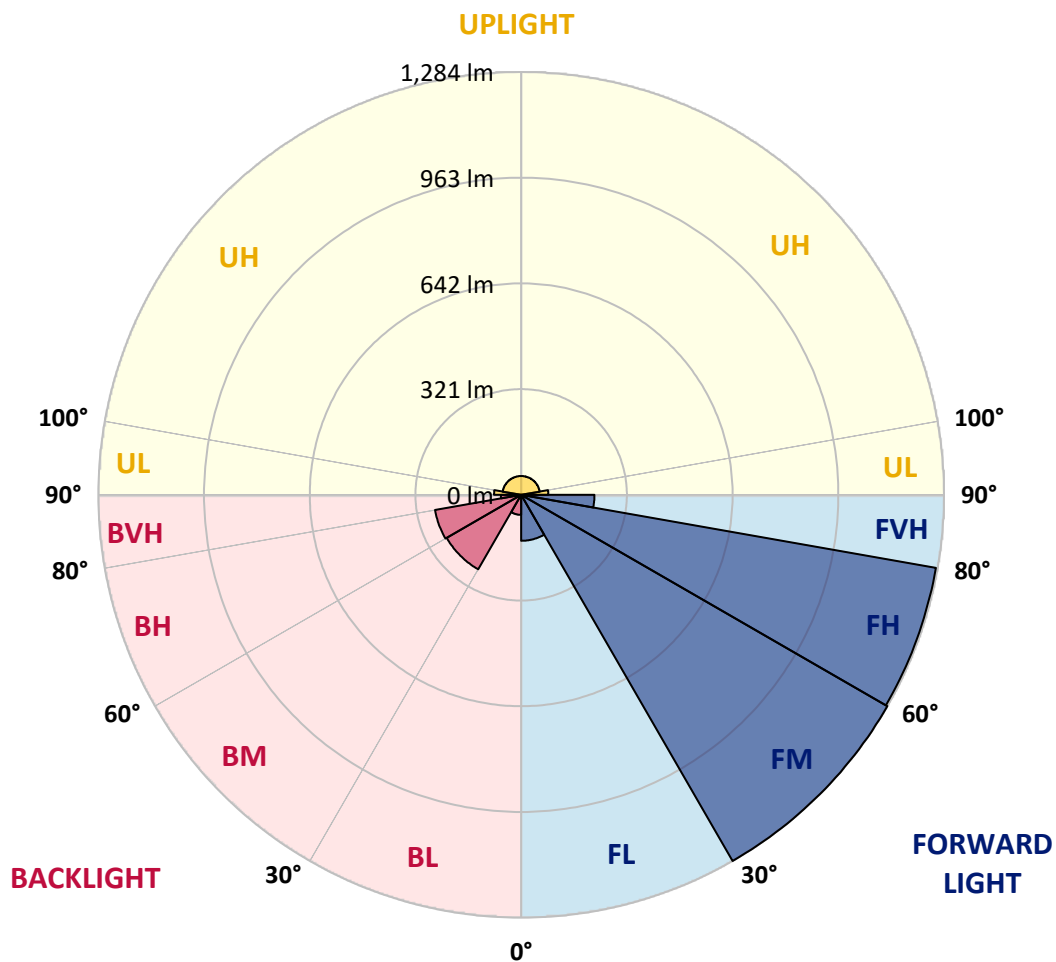
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.6	3.8			
FM	(30°-60°)	1283.5	34.6			
FH	(60°-80°)	1278.4	34.4			G1/1800
FVH	(80°-90°)	222.3	6.0			G2/225
BL	(0°-30°)	60.8	1.6	B0/110		
BM	(30°-60°)	261.1	7.0	B1/1000		
BH	(60°-80°)	265.5	7.2	B1/500		G1/500
BVH	(80°-90°)	61.9	1.7			G1/100
UL	(90°-100°)	82.5	2.2		U3/500	
UH	(100°-180°)	57.1	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P415287

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
2.5°	121.8	122.7	123.6	123.1	122.7	121.4	119.2	117.0	114.9	114.9	113.1
5°	139.2	138.8	138.4	138.8	136.6	133.6	130.1	126.2	123.1	122.3	117.9
7.5°	159.2	158.4	159.2	156.6	153.6	149.7	144.5	139.2	134.0	133.1	126.2
10°	183.2	182.3	181.9	179.7	174.0	168.4	163.2	154.9	151.0	149.7	140.5
12.5°	213.2	212.8	210.2	205.8	198.4	192.7	185.3	181.0	177.1	174.0	164.9
15°	247.6	248.4	245.4	236.3	227.1	218.4	214.9	211.5	208.4	207.1	199.3
17.5°	295.9	294.1	287.2	273.2	258.4	251.5	248.4	246.3	249.3	248.4	236.3
20°	355.5	351.1	340.2	316.3	298.0	286.7	284.1	288.0	289.8	294.1	285.9
22.5°	425.5	419.9	401.6	374.6	348.1	326.8	324.1	335.9	346.8	348.1	344.6
25°	493.8	488.6	472.5	437.3	401.6	373.3	367.2	393.3	415.1	419.0	423.8
27.5°	563.9	561.3	537.8	499.5	460.3	424.7	423.8	452.1	486.0	495.1	503.4
30°	643.5	649.6	620.0	571.7	522.5	481.2	479.0	520.8	562.6	582.2	596.1
32.5°	755.8	750.5	713.6	659.6	586.5	538.2	541.3	590.0	660.5	677.0	695.3
35°	884.5	886.3	835.8	751.8	665.7	606.1	603.9	671.8	753.6	767.5	798.0
37.5°	990.3	999.0	961.6	865.0	754.5	677.4	680.5	756.6	842.8	870.6	897.2
40°	1103.8	1111.7	1068.2	974.2	851.0	756.2	760.5	834.5	916.7	939.4	945.9
42.5°	1227.8	1235.7	1183.0	1071.6	932.4	851.0	834.1	890.6	962.4	990.7	996.4
45°	1344.0	1357.5	1304.4	1173.4	1023.3	936.3	910.7	956.3	1050.3	1076.4	1082.5
47.5°	1379.7	1395.8	1372.7	1265.7	1110.4	1009.9	992.9	1056.4	1157.8	1196.5	1188.7
50°	1414.1	1428.8	1414.9	1320.1	1182.6	1095.1	1099.0	1173.0	1287.9	1337.5	1331.4
52.5°	1419.3	1434.5	1420.1	1353.6	1244.4	1181.3	1224.8	1312.2	1426.2	1462.3	1453.6
55°	1428.0	1438.0	1424.9	1349.7	1289.2	1273.1	1355.3	1455.0	1545.5	1588.5	1574.2
57.5°	1307.0	1310.9	1358.4	1338.3	1298.8	1374.9	1502.4	1592.4	1699.0	1763.4	1756.0
60°	1133.0	1141.2	1200.0	1246.1	1292.2	1447.6	1646.8	1783.0	1887.4	1929.6	1889.6
62.5°	989.8	999.0	1060.8	1119.9	1237.0	1479.8	1797.8	1953.6	2022.3	2060.6	2013.2
65°	797.5	804.5	879.8	995.9	1146.9	1467.1	1910.9	2131.1	2200.3	2215.5	2123.7
67.5°	637.4	647.9	724.4	848.4	1050.3	1419.3	1947.9	2259.0	2299.0	2289.9	2139.8
70°	474.3	479.5	573.0	730.5	935.9	1314.9	1912.7	2287.7	2281.6	2269.9	2064.1
72.5°	326.8	325.9	413.8	567.4	816.7	1195.6	1748.6	2125.4	2096.7	2066.3	1805.6
75°	211.0	222.8	277.6	412.5	660.5	1023.3	1536.3	1845.7	1796.9	1748.6	1487.6
77.5°	142.3	150.5	194.9	295.4	504.7	860.6	1322.2	1585.0	1503.7	1459.7	1200.9
80°	97.9	101.4	135.3	217.1	375.5	682.7	1082.9	1311.8	1223.0	1170.8	932.0
82.5°	68.7	71.4	94.4	160.1	282.8	509.9	864.5	1091.2	998.1	960.3	724.0
85°	49.6	51.3	67.9	119.2	214.9	382.9	657.9	848.9	767.9	738.8	517.3
87.5°	37.0	38.7	51.3	88.3	165.3	291.1	490.8	607.8	520.8	483.0	326.8
90°	27.4	29.2	39.6	66.1	129.2	219.3	355.5	415.5	338.1	306.3	208.4
92.5°	20.4	21.8	29.6	48.3	98.8	167.9	250.6	262.8	200.1	182.3	131.4
95°	15.2	16.1	22.2	35.2	70.5	122.3	164.0	153.6	117.9	107.0	83.1
97.5°	12.6	13.1	17.4	27.0	49.6	85.7	105.3	94.4	76.1	70.9	57.4
100°	10.4	10.9	13.9	20.4	36.1	58.7	69.6	61.3	53.1	50.9	44.8
102.5°	9.1	9.6	11.7	17.0	27.0	42.2	48.3	43.9	39.2	37.4	34.8
105°	8.3	8.3	10.4	14.4	22.2	31.8	35.2	32.2	29.2	28.3	27.8
107.5°	7.4	7.4	9.1	12.6	18.3	24.8	26.5	23.9	21.3	20.9	22.2
110°	7.0	7.0	8.3	11.3	15.7	20.4	20.9	17.8	16.1	16.1	17.8



REPORT NUMBER: P415287

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.5	6.5	7.8	10.0	13.9	17.0	16.5	13.9	12.6	12.6	14.8
115°	6.5	6.5	7.4	9.6	12.2	14.4	13.5	11.3	10.4	10.4	12.6
117.5°	6.5	7.0	7.4	9.1	11.3	12.6	11.7	9.6	9.1	9.1	11.3
120°	7.0	7.0	7.4	9.1	10.4	10.9	10.0	8.3	7.8	8.3	10.4
122.5°	7.0	7.0	7.8	9.1	10.0	10.0	8.7	7.4	7.4	7.4	9.6
125°	7.4	7.4	7.8	9.1	9.6	9.1	7.8	7.0	7.0	7.4	8.7
127.5°	7.8	7.8	8.3	9.1	9.1	8.3	7.4	6.5	6.5	7.0	8.7
130°	8.7	8.7	8.7	9.1	8.3	7.4	6.5	6.1	6.5	7.0	8.7
132.5°	8.7	8.7	8.7	8.7	7.8	6.5	6.1	5.7	6.5	7.0	8.3
135°	7.8	7.8	7.8	7.8	7.0	5.7	5.2	5.2	6.1	6.5	7.8
137.5°	7.0	7.0	7.0	6.5	6.1	5.2	4.4	4.4	5.2	5.7	7.0
140°	6.1	6.1	5.7	5.7	5.2	4.4	3.9	3.9	4.4	4.8	5.7
142.5°	4.8	4.8	4.8	4.8	4.4	3.5	3.0	3.0	3.9	4.4	4.8
145°	3.9	3.9	3.9	3.9	3.5	3.0	2.6	2.6	3.0	3.5	3.9
147.5°	3.0	3.0	3.5	3.5	3.0	2.6	1.7	2.2	2.6	2.6	3.0
150°	2.6	2.6	2.6	3.0	2.2	1.7	1.3	1.7	2.2	2.2	2.6
152.5°	2.2	2.2	2.2	2.2	1.7	0.9	1.3	1.7	1.7	2.2	2.2
155°	1.3	1.3	1.7	1.7	1.3	0.9	1.3	1.3	1.7	1.7	2.2
157.5°	0.9	0.9	1.3	1.3	1.3	0.9	0.9	1.3	1.3	1.3	1.7
160°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
162.5°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
165°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
167.5°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
170°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
172.5°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
175°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
177.5°	0.0	0.4	0.9	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P415287

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
2.5°	111.8	110.9	109.2	107.5	105.7	104.0	103.6	102.7	102.2	101.8	102.2
5°	116.2	113.6	109.6	105.7	102.2	99.2	97.0	94.9	93.1	92.2	92.2
7.5°	124.0	119.7	113.1	106.6	100.5	95.3	91.8	88.8	86.6	85.7	85.3
10°	136.2	131.0	121.4	110.9	101.8	94.0	88.8	85.3	83.1	81.8	81.8
12.5°	157.5	151.4	136.2	120.1	105.3	94.4	87.5	84.0	81.8	81.4	81.8
15°	191.0	181.4	159.2	136.2	113.6	95.3	86.6	85.3	86.1	86.6	86.6
17.5°	230.2	217.1	188.8	154.0	122.7	99.2	90.1	89.2	90.5	91.8	92.7
20°	274.1	257.1	216.2	171.0	128.8	104.9	93.5	91.8	94.9	97.5	97.0
22.5°	329.8	309.4	251.0	184.0	133.1	106.2	94.9	93.1	98.3	101.4	102.2
25°	402.9	373.7	291.9	198.0	135.7	104.4	94.0	94.4	102.2	108.3	109.6
27.5°	482.5	440.3	329.8	209.3	135.7	100.1	92.7	97.9	108.8	116.6	117.5
30°	569.5	510.8	362.9	218.0	131.8	95.7	91.4	99.6	110.5	118.8	119.7
32.5°	662.2	583.9	397.2	221.0	126.2	92.2	90.1	98.3	107.5	114.9	116.6
35°	744.4	649.2	410.7	216.7	118.3	89.6	87.0	94.0	103.1	112.3	112.7
37.5°	830.2	711.4	416.8	204.5	110.5	87.0	84.4	90.9	101.8	112.7	114.0
40°	866.7	727.5	399.4	187.5	103.1	85.3	83.1	90.5	102.2	113.1	114.9
42.5°	904.1	743.1	378.1	163.2	98.3	84.8	84.4	90.5	100.1	108.8	110.1
45°	968.1	777.9	368.5	146.6	95.7	86.1	85.7	89.2	96.2	104.0	106.6
47.5°	1059.5	830.6	363.7	136.2	95.7	88.3	87.0	87.9	92.2	99.2	101.4
50°	1176.5	903.7	369.8	130.5	97.9	91.4	88.8	87.5	89.2	96.6	99.2
52.5°	1274.8	973.7	377.2	129.7	101.4	95.3	91.4	87.5	88.8	97.5	100.5
55°	1377.9	1040.3	385.5	131.8	105.7	98.3	93.1	88.3	89.2	97.5	100.9
57.5°	1527.6	1153.4	406.8	136.6	110.1	101.8	95.3	89.6	88.8	95.3	97.9
60°	1664.2	1261.3	438.6	145.8	115.3	105.3	97.5	90.5	88.3	92.7	94.4
62.5°	1746.9	1319.6	450.8	154.5	120.5	108.3	98.3	90.5	89.6	93.5	94.9
65°	1832.2	1375.3	455.5	161.4	123.6	110.1	98.3	91.4	91.4	94.0	94.4
67.5°	1829.1	1363.1	444.2	164.9	126.2	110.9	98.3	91.4	92.2	94.9	95.3
70°	1749.1	1293.1	415.9	164.5	125.7	109.6	96.6	90.9	94.4	97.5	97.9
72.5°	1514.1	1111.7	370.3	159.2	121.8	106.2	94.0	90.1	95.3	99.6	99.6
75°	1242.2	905.4	305.9	149.2	117.0	101.8	90.1	87.0	93.5	99.6	99.6
77.5°	978.5	708.8	248.0	136.2	110.1	96.6	85.3	81.8	89.2	94.9	94.4
80°	760.1	537.3	199.3	123.1	102.2	90.9	79.6	75.7	82.2	86.1	85.3
82.5°	583.0	413.8	164.5	110.9	94.4	84.4	74.0	70.5	76.6	79.2	78.3
85°	398.1	296.3	134.9	97.5	84.4	76.6	68.3	65.7	72.7	75.7	74.8
87.5°	262.8	203.6	112.7	85.7	74.4	68.7	61.8	60.9	68.7	71.8	71.4
90°	173.6	142.3	95.7	74.4	64.8	60.0	55.7	55.7	62.7	65.3	63.5
92.5°	114.4	100.9	75.7	63.1	55.3	52.2	49.6	49.2	55.3	56.1	54.8
95°	77.9	70.9	59.2	52.2	46.6	44.8	42.6	43.5	47.4	46.6	45.2
97.5°	55.7	54.0	47.9	42.6	38.7	38.3	37.4	37.9	40.0	38.3	37.4
100°	44.4	43.1	39.6	35.7	33.1	32.6	32.2	32.6	33.9	32.2	31.3
102.5°	35.7	35.7	33.1	30.0	27.8	28.3	28.3	28.3	28.7	26.1	26.1
105°	28.7	28.7	27.8	25.2	23.9	23.9	24.4	24.4	24.4	22.6	22.6
107.5°	23.1	23.9	23.5	21.3	20.4	20.9	20.9	20.4	20.4	19.6	19.6
110°	18.7	19.6	19.6	18.3	17.8	18.3	17.8	17.4	17.0	17.0	17.0



REPORT NUMBER: P415287

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.7	16.5	17.0	16.1	15.7	15.7	15.2	14.8	14.8	15.2	15.2
115°	13.5	14.4	14.8	13.9	13.9	13.9	13.1	12.6	12.6	13.5	13.5
117.5°	12.2	12.6	13.1	12.6	12.2	12.2	11.7	10.9	10.9	11.7	12.2
120°	10.9	11.3	11.7	11.3	10.9	10.4	10.0	9.6	9.6	10.9	10.9
122.5°	10.0	10.4	10.4	10.0	9.6	9.6	9.1	8.7	8.7	9.6	10.0
125°	9.6	9.6	9.6	9.1	8.7	8.3	7.8	7.8	7.8	8.7	8.7
127.5°	9.1	9.1	8.7	8.3	7.8	7.4	7.4	7.0	7.0	7.8	8.3
130°	9.1	9.1	8.3	7.8	7.4	6.5	6.5	6.1	6.5	7.4	7.4
132.5°	8.7	8.7	7.8	7.4	6.5	6.1	5.7	5.7	5.7	6.5	7.0
135°	8.3	7.8	7.0	6.5	5.7	5.2	5.2	5.2	5.2	6.1	6.1
137.5°	7.4	7.0	6.1	5.7	5.2	4.8	4.4	4.4	4.8	5.2	5.7
140°	6.1	6.1	5.2	4.8	4.4	3.9	3.9	3.9	4.4	4.8	4.8
142.5°	5.2	5.2	4.4	3.9	3.5	3.0	3.5	3.5	3.9	4.4	4.4
145°	4.4	3.9	3.9	3.0	3.0	2.6	2.6	3.0	3.5	3.9	3.9
147.5°	3.5	3.5	3.0	2.6	2.2	2.2	2.2	2.6	3.0	3.0	3.5
150°	3.0	3.0	2.6	2.6	1.7	1.3	1.7	2.6	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	2.2	1.7	0.9	1.3	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.2	1.7	1.3	0.4	1.3	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	0.9	0.4	0.9	1.3	1.3	1.3	1.7
160°	1.3	1.3	1.3	1.3	0.9	0.4	0.9	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	1.3	0.9	0.9	0.9
165°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.9	0.9
167.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4
170°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4
172.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4
175°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4
177.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)