

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: P695493

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4109 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

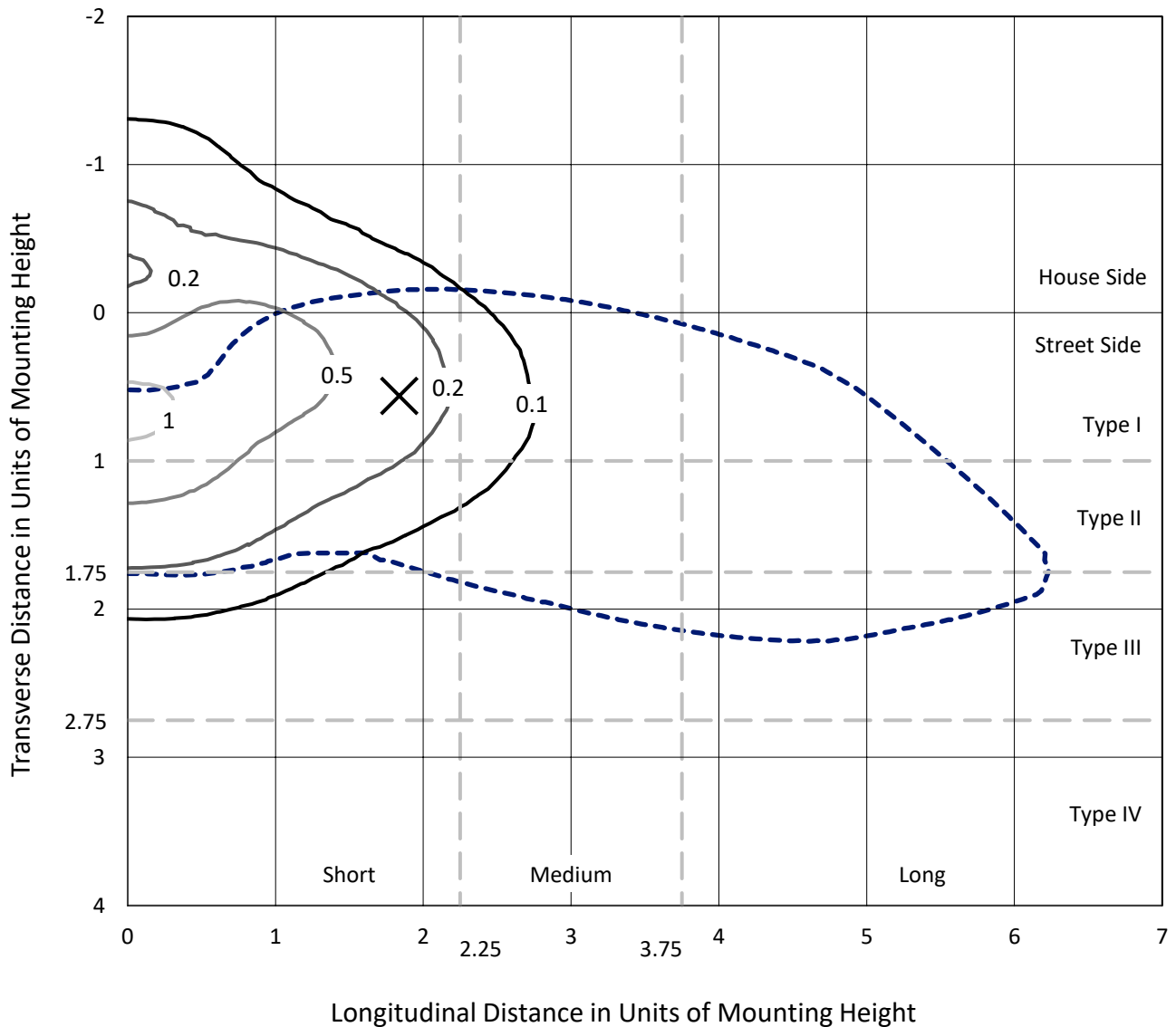
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695493
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

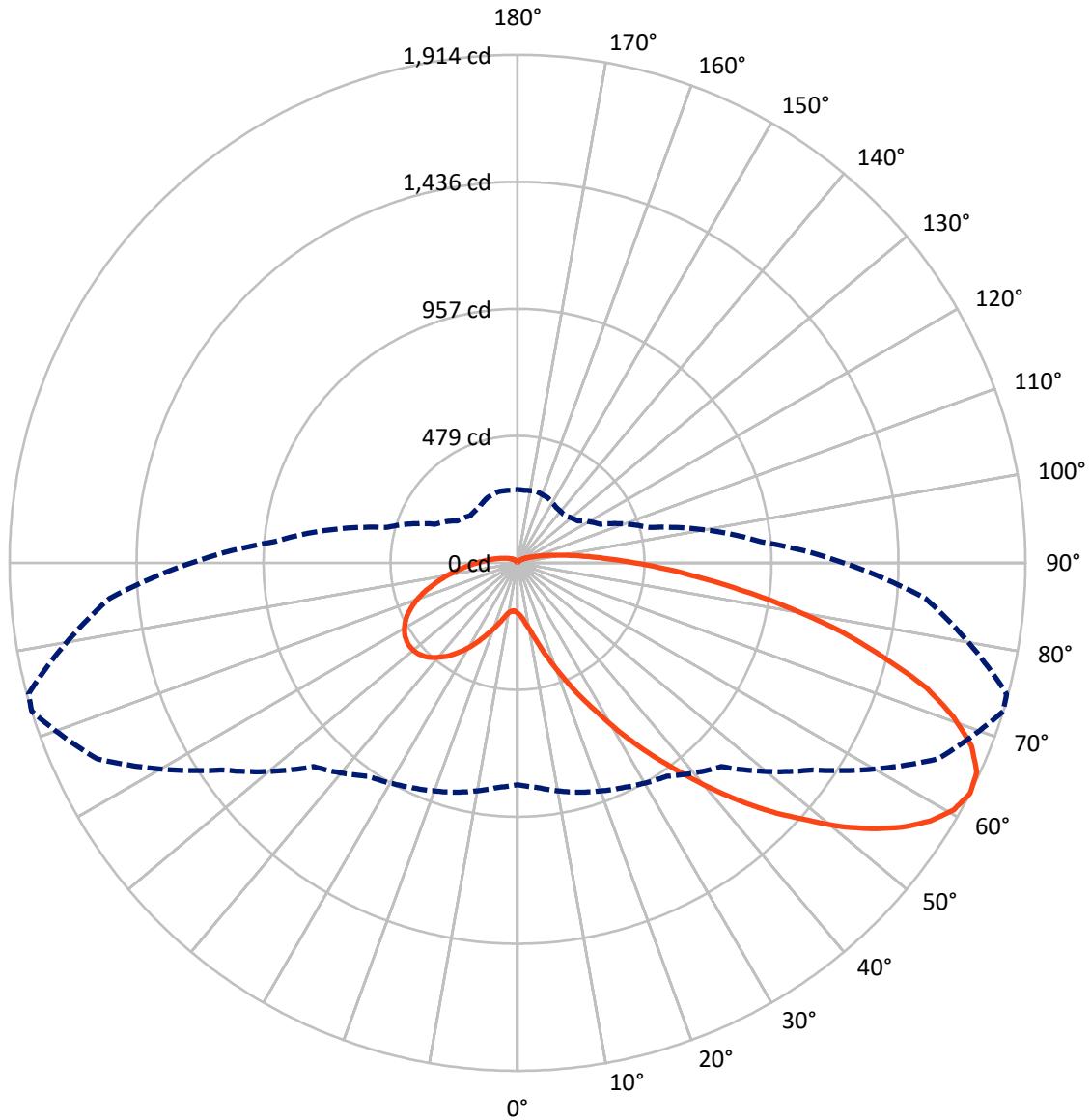
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

REPORT NUMBER: P695493
CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695493
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

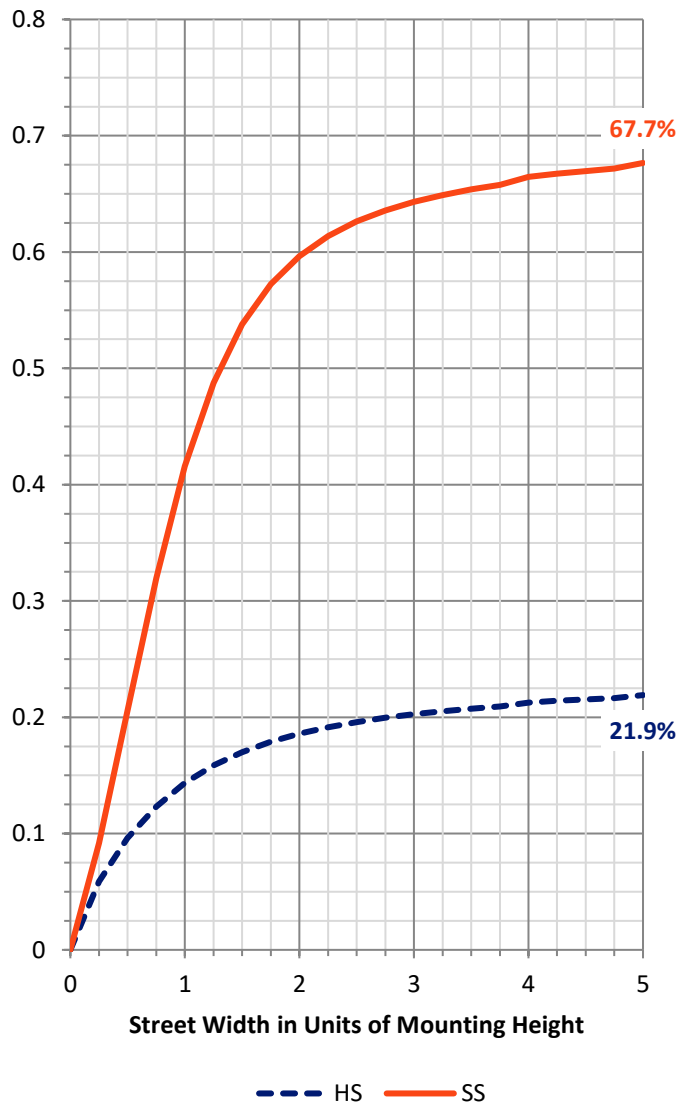
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.5	124.3	1074.8
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2860.6	173.7	3034.3
	% Fixture	69.6	4.2	73.8
Total	Lumens	3811.1	297.9	4109.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.5
10°-20°	83.7	2.0
20°-30°	216.0	5.3
30°-40°	423.1	10.3
40°-50°	646.2	15.7
50°-60°	787.1	19.2
60°-70°	761.2	18.5
70°-80°	562.2	13.7
80°-90°	311.7	7.6
90°-100°	148.0	3.6
100°-110°	72.9	1.8
110°-120°	39.2	1.0
120°-130°	21.8	0.5
130°-140°	11.4	0.3
140°-150°	4.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3811.1	92.7
0°-180°	4109.0	100.0

Coefficient of Utilization



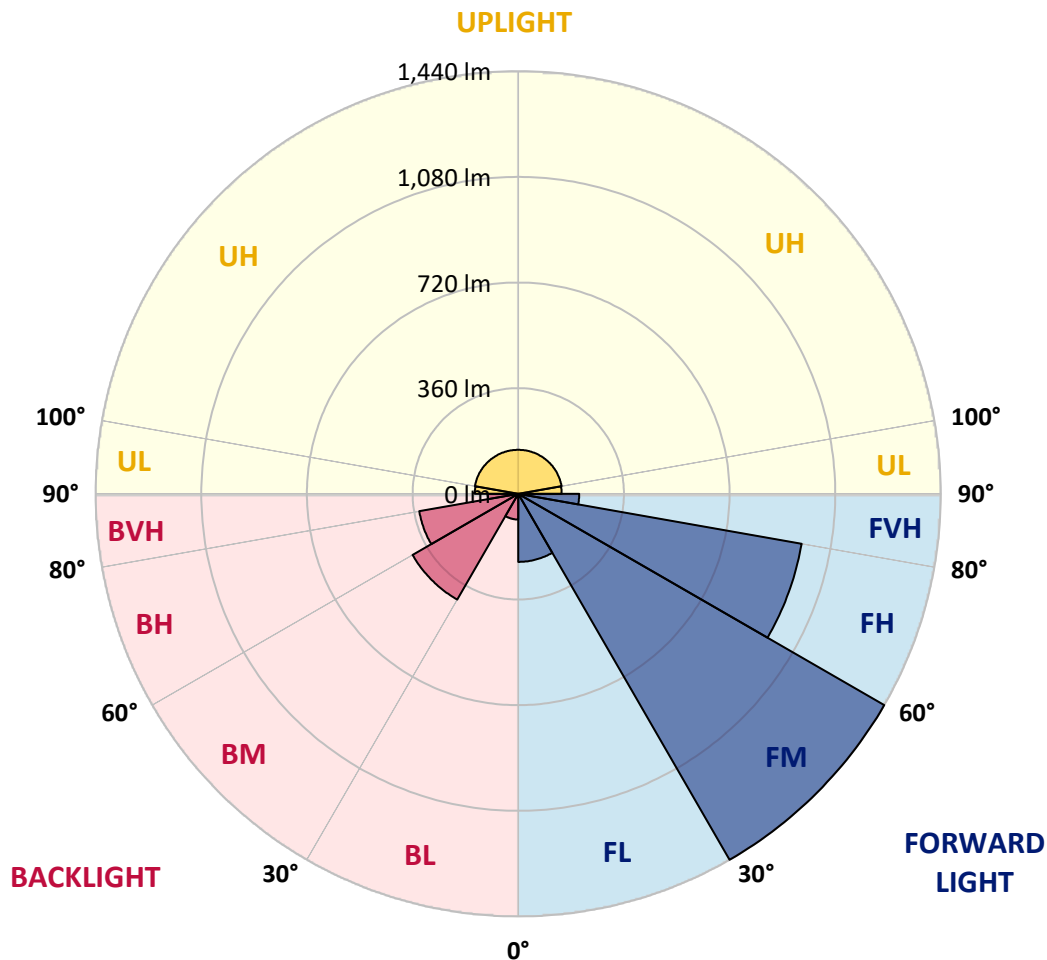
REPORT NUMBER: P695493
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.0	5.6			
FM (30°-60°)	1440.2	35.0			
FH (60°-80°)	980.8	23.9			G1/1800
FVH (80°-90°)	207.6	5.1			G2/225
BL (0°-30°)	87.6	2.1	B0/110		
BM (30°-60°)	416.2	10.1	B1/1000		
BH (60°-80°)	342.6	8.3	B1/500		G1/500
BVH (80°-90°)	104.1	2.5			G2/225
UL (90°-100°)	148.0	3.6		U3/500	
UH (100°-180°)	149.9	3.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short



REPORT NUMBER: P695493

CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	215.6	214.1	215.6	214.1	211.0	207.9	204.8	200.1	198.6	197.0	192.3
5°	251.3	252.8	251.3	245.1	242.0	235.8	229.6	220.3	212.5	211.0	201.7
7.5°	294.7	293.2	291.6	287.0	279.2	268.4	257.5	245.1	234.2	231.1	215.6
10°	345.9	341.3	342.8	332.0	322.6	308.7	294.7	276.1	257.5	254.4	234.2
12.5°	404.9	403.3	400.2	386.2	372.3	356.8	335.1	311.8	291.6	285.4	260.6
15°	476.2	470.0	466.9	451.4	432.8	412.6	386.2	358.3	333.5	328.9	293.2
17.5°	555.3	547.6	538.3	518.1	499.5	473.1	442.1	411.1	381.6	375.4	330.4
20°	637.5	634.4	623.6	598.8	570.8	542.9	508.8	471.6	434.3	426.6	375.4
22.5°	736.8	733.7	715.1	684.1	649.9	617.4	578.6	538.3	496.4	484.0	423.5
25°	845.4	836.1	814.4	775.6	736.8	691.8	653.0	609.6	564.6	549.1	479.3
27.5°	955.5	947.8	918.3	874.9	822.1	772.5	729.1	687.2	634.4	626.7	536.7
30°	1064.1	1064.1	1025.3	975.7	905.9	850.0	808.2	769.4	721.3	710.4	606.5
32.5°	1172.7	1169.6	1137.0	1070.3	992.8	927.6	887.3	854.7	811.3	791.1	682.5
35°	1273.5	1272.0	1228.5	1157.2	1071.9	1003.6	969.5	947.8	904.3	887.3	758.5
37.5°	1366.6	1360.4	1312.3	1239.4	1135.5	1068.8	1048.6	1047.0	1003.6	981.9	839.2
40°	1430.2	1425.5	1383.7	1301.4	1194.4	1129.3	1127.7	1144.8	1113.7	1090.5	923.0
42.5°	1469.0	1462.8	1428.6	1348.0	1240.9	1180.4	1199.1	1242.5	1225.4	1199.1	1008.3
45°	1478.3	1473.6	1445.7	1371.2	1272.0	1222.3	1262.7	1340.2	1337.1	1312.3	1092.0
47.5°	1455.0	1455.0	1436.4	1374.3	1284.4	1250.3	1324.7	1434.8	1441.0	1428.6	1180.4
50°	1410.0	1406.9	1402.3	1352.6	1279.7	1265.8	1372.8	1531.0	1558.9	1540.3	1272.0
52.5°	1334.0	1332.5	1337.1	1309.2	1256.5	1264.2	1406.9	1613.2	1664.4	1647.4	1349.5
55°	1233.2	1230.1	1250.3	1242.5	1211.5	1245.6	1424.0	1679.9	1759.0	1743.5	1425.5
57.5°	1112.2	1106.0	1144.8	1158.7	1149.4	1209.9	1424.0	1726.5	1835.0	1821.1	1484.5
60°	972.6	977.2	1017.6	1056.4	1067.2	1155.6	1400.7	1749.7	1889.3	1880.0	1523.3
62.5°	836.1	850.0	895.0	935.4	981.9	1085.8	1360.4	1748.2	1914.2	1908.0	1543.4
65°	705.8	721.3	766.3	822.1	879.5	1003.6	1298.3	1711.0	1901.7	1898.6	1534.1
67.5°	584.8	595.7	642.2	707.3	775.6	912.1	1211.5	1641.1	1845.9	1847.5	1490.7
70°	480.9	487.1	536.7	601.9	671.7	809.7	1107.5	1531.0	1743.5	1748.2	1408.5
72.5°	395.6	406.4	443.6	504.1	578.6	716.6	997.4	1397.6	1611.7	1610.1	1298.3
75°	322.6	328.9	367.6	421.9	487.1	617.4	878.0	1237.8	1425.5	1437.9	1155.6
77.5°	260.6	265.3	304.0	352.1	415.7	530.5	755.4	1071.9	1247.1	1244.0	1005.2
80°	211.0	217.2	249.7	293.2	350.6	451.4	639.1	898.1	1045.5	1048.6	836.1
82.5°	169.1	175.3	204.8	243.5	299.4	378.5	536.7	752.3	851.6	851.6	690.3
85°	135.0	141.2	169.1	203.2	248.2	321.1	440.5	601.9	679.4	684.1	558.4
87.5°	110.1	113.2	138.1	170.6	209.4	269.9	363.0	476.2	538.3	532.1	439.0
90°	88.4	91.5	113.2	141.2	176.8	226.5	296.3	384.7	417.3	415.7	342.8
92.5°	72.9	74.5	94.6	121.0	150.5	190.8	243.5	299.4	324.2	322.6	271.5
95°	60.5	62.0	80.7	102.4	128.7	161.3	198.6	240.4	255.9	252.8	212.5
97.5°	51.2	51.2	68.3	88.4	111.7	136.5	166.0	192.3	200.1	198.6	170.6
100°	43.4	43.4	57.4	77.6	97.7	117.9	138.1	153.6	156.7	158.2	135.0
102.5°	37.2	38.8	51.2	68.3	83.8	100.8	114.8	125.6	125.6	124.1	107.0
105°	34.1	34.1	43.4	58.9	74.5	86.9	97.7	103.9	100.8	97.7	85.3
107.5°	29.5	29.5	38.8	52.7	65.1	76.0	83.8	85.3	80.7	79.1	71.4
110°	26.4	27.9	34.1	46.5	58.9	66.7	71.4	71.4	66.7	65.1	58.9

REPORT NUMBER: P695493
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	24.8	24.8	31.0	41.9	51.2	58.9	62.0	60.5	55.8	54.3	49.6
115°	23.3	23.3	27.9	37.2	46.5	52.7	54.3	51.2	46.5	45.0	41.9
117.5°	21.7	21.7	24.8	32.6	41.9	46.5	48.1	43.4	38.8	38.8	37.2
120°	20.2	20.2	23.3	29.5	37.2	41.9	41.9	37.2	34.1	32.6	32.6
122.5°	20.2	20.2	21.7	26.4	32.6	35.7	37.2	32.6	29.5	27.9	27.9
125°	18.6	18.6	20.2	23.3	29.5	32.6	31.0	27.9	24.8	24.8	24.8
127.5°	18.6	18.6	18.6	21.7	24.8	27.9	27.9	24.8	21.7	21.7	23.3
130°	17.1	17.1	17.1	18.6	21.7	24.8	23.3	20.2	18.6	18.6	20.2
132.5°	17.1	17.1	17.1	17.1	18.6	21.7	20.2	17.1	17.1	17.1	17.1
135°	15.5	15.5	15.5	15.5	17.1	17.1	17.1	15.5	14.0	15.5	15.5
137.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.4	12.4	12.4	14.0
140°	12.4	12.4	12.4	12.4	10.9	10.9	10.9	9.3	10.9	10.9	12.4
142.5°	12.4	12.4	10.9	10.9	9.3	9.3	7.8	7.8	9.3	9.3	9.3
145°	10.9	10.9	9.3	7.8	6.2	6.2	6.2	6.2	6.2	7.8	7.8
147.5°	7.8	7.8	7.8	6.2	4.7	3.1	3.1	4.7	4.7	4.7	6.2
150°	6.2	6.2	6.2	4.7	3.1	1.6	1.6	3.1	3.1	3.1	4.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P695493

CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	190.8	189.2	184.6	181.5	178.4	176.8	173.7	172.2	172.2	170.6	172.2
5°	197.0	192.3	183.0	175.3	167.5	161.3	156.7	153.6	152.0	150.5	148.9
7.5°	207.9	200.1	186.1	173.7	161.3	152.0	144.3	139.6	136.5	133.4	133.4
10°	223.4	212.5	192.3	175.3	159.8	147.4	136.5	130.3	127.2	124.1	124.1
12.5°	246.6	232.7	206.3	179.9	161.3	145.8	135.0	127.2	124.1	122.5	121.0
15°	276.1	259.0	224.9	193.9	167.5	147.4	136.5	133.4	130.3	128.7	128.7
17.5°	310.2	287.0	245.1	207.9	178.4	156.7	145.8	141.2	139.6	138.1	136.5
20°	347.5	321.1	268.4	223.4	190.8	172.2	156.7	152.0	150.5	148.9	148.9
22.5°	392.4	356.8	293.2	240.4	206.3	184.6	170.6	162.9	161.3	161.3	159.8
25°	439.0	400.2	321.1	259.0	221.8	198.6	183.0	175.3	173.7	175.3	175.3
27.5°	493.3	443.6	350.6	279.2	237.3	209.4	195.4	187.7	187.7	190.8	190.8
30°	552.2	488.6	380.0	299.4	251.3	220.3	206.3	201.7	203.2	204.8	206.3
32.5°	609.6	536.7	408.0	319.5	262.1	229.6	217.2	215.6	217.2	220.3	220.3
35°	676.3	591.0	435.9	336.6	271.5	237.3	226.5	228.0	231.1	234.2	235.8
37.5°	743.0	639.1	463.8	349.0	279.2	245.1	235.8	238.9	242.0	248.2	248.2
40°	806.6	688.7	485.5	359.9	285.4	249.7	242.0	248.2	254.4	257.5	257.5
42.5°	873.3	738.4	508.8	367.6	290.1	254.4	248.2	257.5	263.7	265.3	265.3
45°	941.6	780.2	525.9	373.8	293.2	257.5	252.8	262.1	269.9	271.5	271.5
47.5°	1002.1	819.0	538.3	375.4	293.2	259.0	255.9	266.8	274.6	274.6	274.6
50°	1065.7	857.8	546.0	376.9	294.7	260.6	257.5	269.9	277.7	276.1	277.7
52.5°	1120.0	888.8	549.1	373.8	293.2	259.0	259.0	273.0	280.8	277.7	277.7
55°	1168.0	912.1	547.6	369.2	290.1	259.0	259.0	273.0	280.8	277.7	277.7
57.5°	1203.7	926.1	541.4	363.0	287.0	257.5	259.0	273.0	280.8	277.7	277.7
60°	1225.4	927.6	529.0	355.2	282.3	254.4	255.9	271.5	279.2	276.1	276.1
62.5°	1228.5	919.8	513.4	344.4	276.1	251.3	254.4	269.9	277.7	274.6	276.1
65°	1211.5	896.6	493.3	332.0	269.9	246.6	251.3	266.8	274.6	273.0	273.0
67.5°	1168.0	856.3	465.4	316.4	260.6	240.4	246.6	260.6	271.5	268.4	268.4
70°	1098.2	800.4	435.9	299.4	248.2	232.7	238.9	254.4	263.7	262.1	262.1
72.5°	1006.7	733.7	400.2	279.2	235.8	223.4	231.1	245.1	252.8	252.8	251.3
75°	896.6	659.3	361.4	257.5	221.8	212.5	221.8	232.7	238.9	237.3	235.8
77.5°	778.7	578.6	324.2	235.8	206.3	200.1	207.9	220.3	223.4	221.8	218.7
80°	659.3	496.4	287.0	212.5	189.2	184.6	192.3	201.7	204.8	200.1	198.6
82.5°	550.7	414.2	249.7	190.8	172.2	169.1	176.8	183.0	183.0	179.9	175.3
85°	445.2	349.0	218.7	169.1	155.1	153.6	159.8	162.9	161.3	156.7	152.0
87.5°	358.3	285.4	187.7	150.5	138.1	136.5	141.2	142.7	139.6	133.4	130.3
90°	290.1	234.2	161.3	133.4	122.5	122.5	124.1	124.1	119.4	111.7	108.6
92.5°	231.1	192.3	139.6	116.3	110.1	107.0	108.6	107.0	100.8	96.2	91.5
95°	186.1	158.2	121.0	103.9	97.7	94.6	96.2	93.1	85.3	79.1	76.0
97.5°	150.5	130.3	103.9	91.5	86.9	83.8	83.8	79.1	74.5	66.7	63.6
100°	121.0	107.0	90.0	80.7	76.0	74.5	72.9	69.8	63.6	55.8	54.3
102.5°	97.7	90.0	77.6	71.4	68.3	66.7	65.1	60.5	54.3	46.5	46.5
105°	80.7	76.0	68.3	63.6	60.5	58.9	57.4	52.7	46.5	40.3	40.3
107.5°	66.7	63.6	58.9	55.8	54.3	52.7	51.2	46.5	40.3	34.1	35.7
110°	57.4	54.3	51.2	49.6	49.6	48.1	45.0	41.9	35.7	31.0	31.0

REPORT NUMBER: P695493
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.1	46.5	45.0	45.0	43.4	41.9	40.3	35.7	31.0	27.9	27.9
115°	41.9	40.3	40.3	40.3	38.8	38.8	35.7	32.6	26.4	24.8	24.8
117.5°	35.7	35.7	35.7	35.7	35.7	34.1	32.6	27.9	23.3	21.7	21.7
120°	32.6	32.6	31.0	31.0	31.0	31.0	27.9	24.8	20.2	20.2	20.2
122.5°	27.9	27.9	27.9	27.9	27.9	26.4	24.8	21.7	18.6	18.6	18.6
125°	24.8	24.8	24.8	26.4	24.8	24.8	21.7	18.6	15.5	17.1	17.1
127.5°	23.3	23.3	23.3	21.7	21.7	21.7	18.6	15.5	14.0	15.5	15.5
130°	20.2	20.2	20.2	20.2	20.2	18.6	17.1	14.0	12.4	14.0	14.0
132.5°	18.6	18.6	18.6	17.1	17.1	15.5	14.0	12.4	10.9	12.4	12.4
135°	15.5	15.5	15.5	15.5	14.0	14.0	12.4	9.3	10.9	10.9	10.9
137.5°	14.0	14.0	14.0	12.4	12.4	10.9	9.3	7.8	9.3	9.3	9.3
140°	12.4	12.4	12.4	10.9	9.3	9.3	7.8	7.8	7.8	9.3	9.3
142.5°	9.3	9.3	9.3	9.3	7.8	6.2	6.2	6.2	7.8	7.8	7.8
145°	7.8	7.8	7.8	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	4.7	4.7	3.1	3.1	4.7	6.2	6.2	6.2
150°	4.7	4.7	4.7	3.1	3.1	1.6	3.1	3.1	4.7	4.7	4.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)