

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: P695506

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4315.1 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

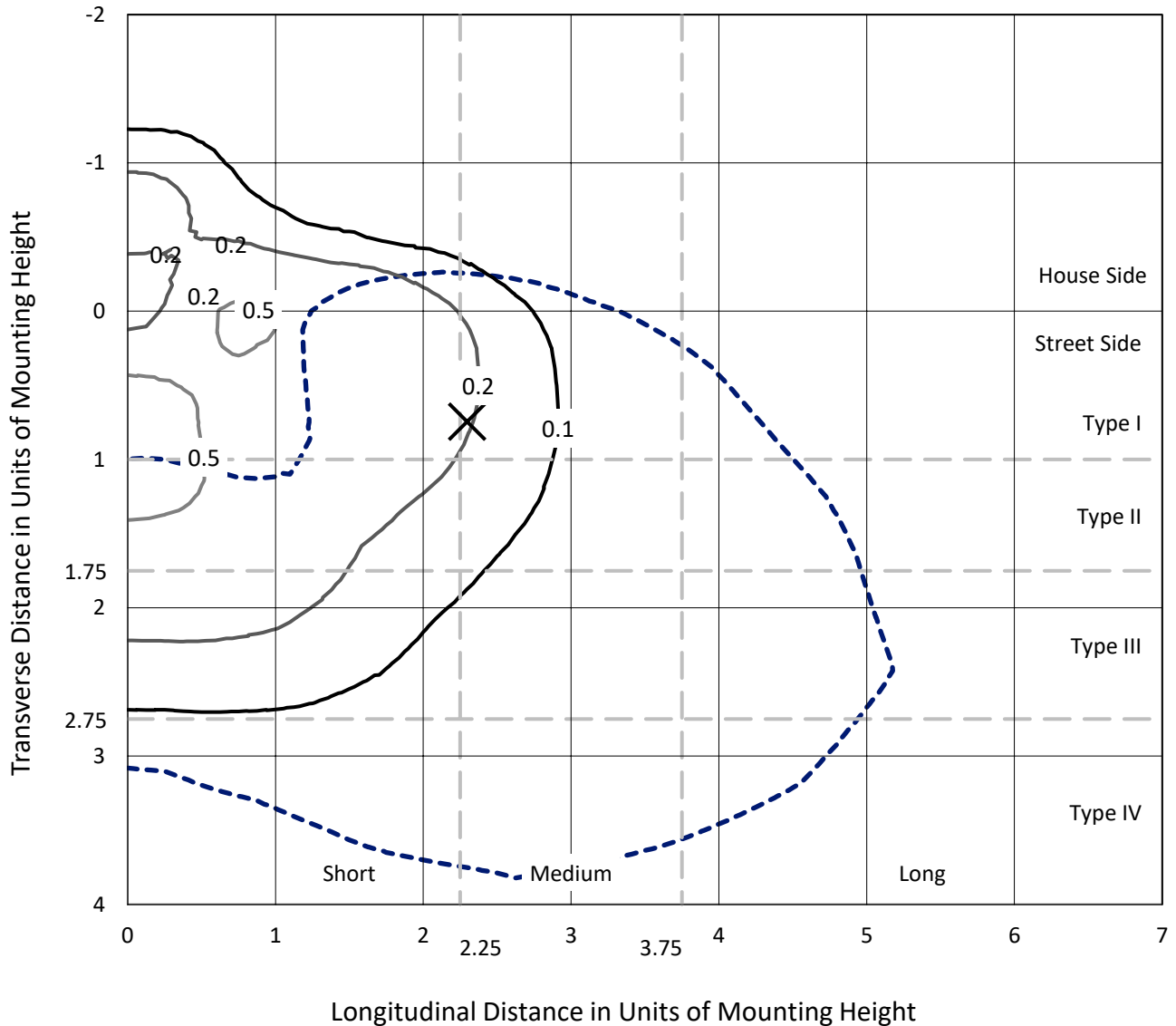
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

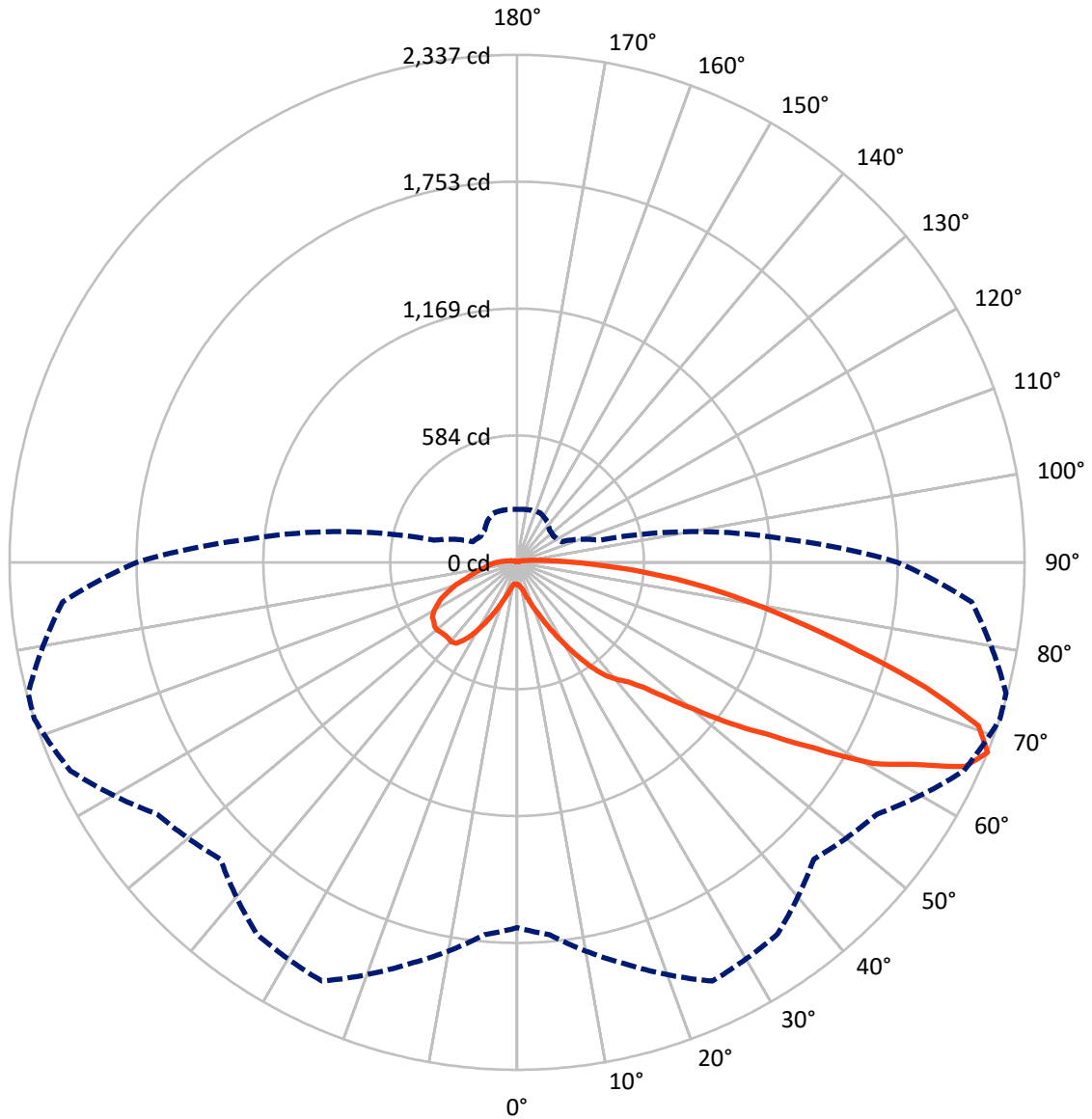
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695506
CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

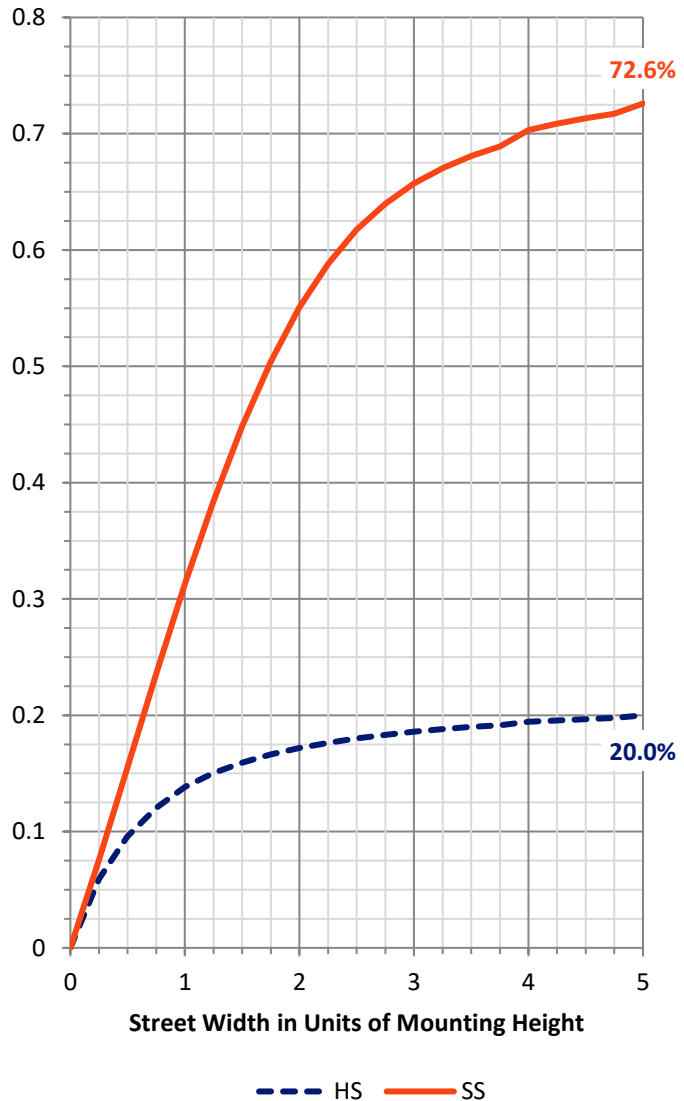
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	910.7	78.3	989.0
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	3242.7	83.4	3326.1
	% Fixture	75.1	1.9	77.1
Total	Lumens	4153.3	161.7	4315.1
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	44.7	1.0
20°-30°	135.4	3.1
30°-40°	304.9	7.1
40°-50°	489.4	11.3
50°-60°	793.2	18.4
60°-70°	1156.9	26.8
70°-80°	867.3	20.1
80°-90°	351.1	8.1
90°-100°	97.5	2.3
100°-110°	32.0	0.7
110°-120°	14.8	0.3
120°-130°	8.9	0.2
130°-140°	5.7	0.1
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4153.3	96.3
0°-180°	4315.1	100.0

Coefficient of Utilization

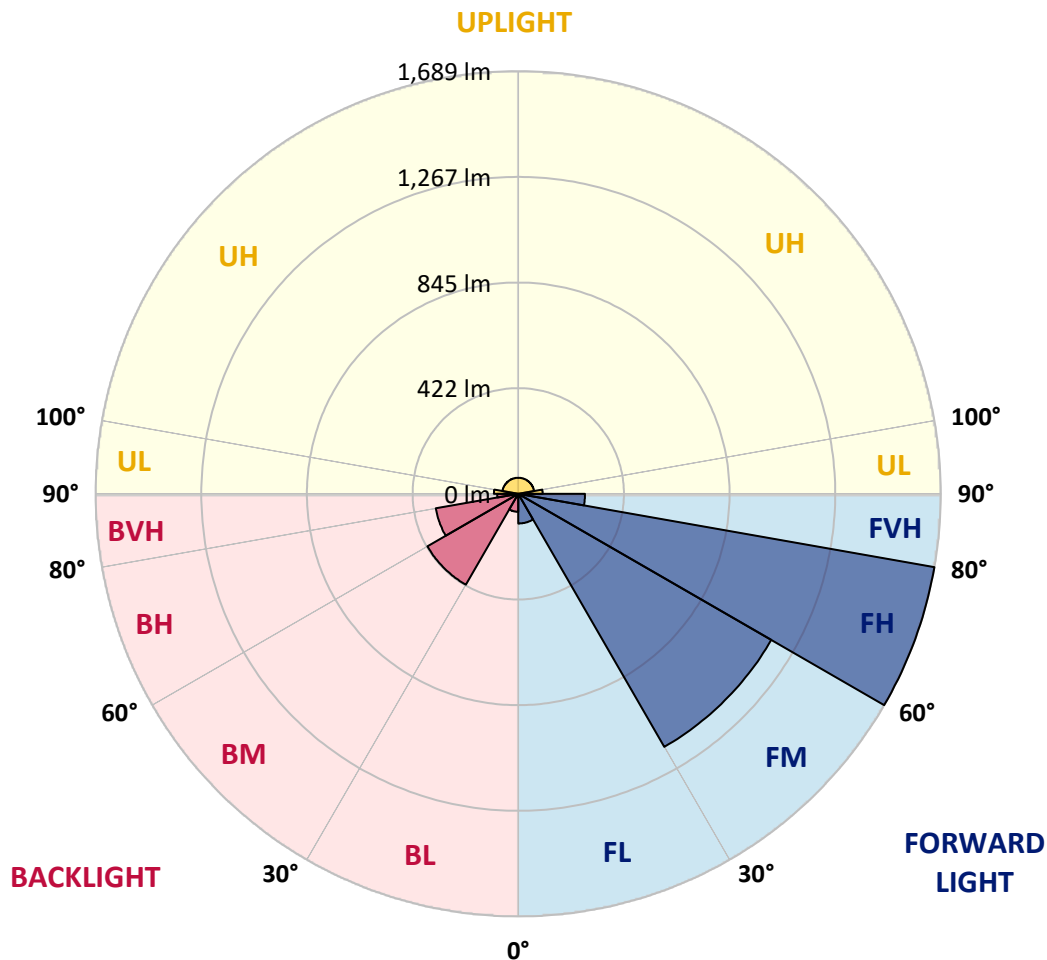


REPORT NUMBER: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.6	2.7			
FM (30°-60°)	1168.1	27.1			
FH (60°-80°)	1689.4	39.2			G1/1800
FVH (80°-90°)	266.6	6.2			G3/500
BL (0°-30°)	71.9	1.7	B0/110		
BM (30°-60°)	419.4	9.7	B1/1000		
BH (60°-80°)	334.9	7.8	B1/500		G1/500
BVH (80°-90°)	84.5	2.0			G1/100
UL (90°-100°)	97.5	2.3		U3/500	
UH (100°-180°)	64.3	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	105.5	103.9	103.9	102.4
5°	116.3	116.3	116.3	116.3	116.3	114.8	111.7	110.1	108.6	107.0	105.5
7.5°	130.3	128.7	128.7	127.2	125.6	124.1	121.0	117.9	114.8	113.2	110.1
10°	147.3	147.3	145.8	142.7	141.1	134.9	131.8	127.2	124.1	122.5	117.9
12.5°	178.3	175.2	173.7	169.0	161.3	153.5	147.3	142.7	139.6	139.6	133.4
15°	214.0	212.5	209.4	197.0	187.7	176.8	169.0	165.9	164.4	161.3	156.6
17.5°	257.4	257.4	251.2	234.2	218.7	207.8	198.5	193.9	192.3	192.3	187.7
20°	313.3	313.3	300.9	276.0	257.4	243.5	232.6	226.4	226.4	224.9	221.8
22.5°	378.4	381.5	362.9	330.3	299.3	279.2	266.7	265.2	265.2	271.4	268.3
25°	454.4	454.4	431.1	389.3	353.6	317.9	308.6	314.8	319.5	325.7	327.2
27.5°	552.1	549.0	510.2	457.5	401.7	362.9	352.0	364.4	378.4	383.1	392.4
30°	663.8	659.1	611.0	536.6	460.6	403.2	398.6	421.8	446.6	451.3	463.7
32.5°	758.4	761.5	707.2	625.0	521.1	452.8	448.2	485.4	516.4	527.3	550.5
35°	873.1	874.7	809.5	705.6	580.0	499.4	497.8	549.0	594.0	607.9	632.7
37.5°	921.2	930.5	880.9	775.4	638.9	549.0	545.9	609.5	660.7	676.2	704.1
40°	970.8	977.0	925.8	826.6	687.0	592.4	594.0	662.2	708.7	727.3	742.9
42.5°	1073.2	1076.3	1006.5	880.9	727.3	637.4	638.9	701.0	753.7	777.0	804.9
45°	1164.7	1178.6	1110.4	966.2	781.6	676.2	679.3	764.6	823.5	856.1	890.2
47.5°	1294.9	1294.9	1239.1	1079.4	862.3	728.9	746.0	854.5	935.2	963.1	1012.7
50°	1411.3	1412.8	1370.9	1201.9	952.2	801.8	832.8	967.7	1070.1	1102.6	1169.3
52.5°	1507.4	1509.0	1479.5	1343.0	1074.7	897.9	933.6	1118.2	1232.9	1273.2	1332.2
55°	1626.8	1619.1	1600.5	1484.2	1214.3	1022.0	1074.7	1277.9	1397.3	1451.6	1522.9
57.5°	1754.0	1744.7	1752.4	1637.7	1374.0	1175.5	1229.8	1448.5	1614.4	1684.2	1766.4
60°	1823.8	1826.9	1885.8	1839.3	1567.9	1366.3	1426.8	1709.0	1881.2	1935.4	1954.1
62.5°	1857.9	1861.0	1961.8	1992.8	1797.4	1566.3	1651.6	1924.6	2048.7	2116.9	2102.9
65°	1848.6	1861.0	2022.3	2107.6	1989.7	1781.9	1873.4	2127.7	2267.3	2303.0	2194.4
67.5°	1682.7	1721.4	1913.7	2127.7	2090.5	1932.3	2022.3	2270.4	2337.1	2330.9	2101.4
70°	1425.2	1436.1	1667.1	1977.3	2061.1	1926.1	2036.2	2241.0	2253.4	2220.8	1895.1
72.5°	1096.4	1122.8	1332.2	1668.7	1856.4	1788.1	1881.2	2042.5	1966.5	1884.3	1529.1
75°	804.9	794.0	969.3	1296.5	1536.9	1546.2	1637.7	1732.3	1619.1	1552.4	1248.4
77.5°	545.9	572.3	697.9	960.0	1208.1	1291.8	1383.3	1395.8	1321.3	1267.0	955.3
80°	373.8	378.4	473.0	701.0	942.9	1060.8	1141.4	1169.3	1062.3	1000.3	721.1
82.5°	214.0	218.7	299.3	504.0	739.7	876.2	958.4	950.7	828.1	766.1	500.9
85°	119.4	121.0	173.7	311.7	556.8	701.0	772.3	710.3	587.8	530.4	328.8
87.5°	71.3	74.4	103.9	200.1	378.4	542.8	578.5	494.7	380.0	338.1	217.1
90°	45.0	48.1	63.6	117.9	243.5	381.5	392.4	311.7	235.7	212.5	147.3
92.5°	29.5	31.0	41.9	72.9	150.4	240.4	251.2	187.7	145.8	130.3	100.8
95°	23.3	23.3	29.5	49.6	93.1	141.1	152.0	113.2	94.6	85.3	69.8
97.5°	18.6	18.6	23.3	35.7	63.6	88.4	91.5	74.4	63.6	62.0	52.7
100°	15.5	17.1	20.2	27.9	45.0	58.9	58.9	51.2	46.5	46.5	41.9
102.5°	14.0	14.0	17.1	23.3	35.7	45.0	43.4	38.8	35.7	35.7	34.1
105°	14.0	12.4	15.5	18.6	27.9	34.1	32.6	29.5	27.9	26.4	26.4
107.5°	12.4	10.9	12.4	15.5	23.3	27.9	26.4	23.3	21.7	20.2	21.7
110°	10.9	10.9	10.9	14.0	18.6	23.3	21.7	18.6	17.1	17.1	17.1

REPORT NUMBER: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.3	9.3	9.3	12.4	15.5	18.6	18.6	15.5	14.0	12.4	14.0
115°	9.3	9.3	9.3	10.9	14.0	17.1	15.5	12.4	10.9	10.9	12.4
117.5°	7.8	7.8	7.8	10.9	12.4	14.0	14.0	10.9	9.3	9.3	10.9
120°	7.8	7.8	7.8	9.3	12.4	12.4	12.4	9.3	9.3	9.3	10.9
122.5°	7.8	7.8	7.8	9.3	10.9	12.4	10.9	9.3	7.8	7.8	9.3
125°	7.8	7.8	7.8	9.3	10.9	10.9	9.3	7.8	7.8	7.8	9.3
127.5°	7.8	7.8	7.8	9.3	9.3	9.3	9.3	7.8	7.8	7.8	9.3
130°	7.8	7.8	7.8	7.8	9.3	9.3	7.8	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.2	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	7.8
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.8
140°	6.2	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	6.2
142.5°	6.2	6.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7
147.5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	102.4	102.4	100.8	99.3	99.3	99.3	99.3	99.3	97.7	97.7	97.7
5°	103.9	102.4	100.8	99.3	97.7	96.2	94.6	94.6	93.1	93.1	93.1
7.5°	108.6	107.0	102.4	99.3	96.2	94.6	93.1	91.5	89.9	88.4	88.4
10°	116.3	113.2	107.0	102.4	97.7	94.6	91.5	89.9	88.4	88.4	86.8
12.5°	130.3	127.2	117.9	110.1	102.4	97.7	93.1	91.5	91.5	91.5	93.1
15°	153.5	148.9	136.5	125.6	113.2	103.9	100.8	102.4	103.9	105.5	105.5
17.5°	183.0	176.8	162.8	144.2	127.2	116.3	114.8	116.3	119.4	122.5	122.5
20°	217.1	209.4	187.7	165.9	144.2	134.9	130.3	133.4	138.0	144.2	142.7
22.5°	265.2	252.8	226.4	190.8	165.9	153.5	147.3	152.0	161.3	167.5	167.5
25°	319.5	304.0	269.8	221.8	187.7	169.0	165.9	173.7	190.8	200.1	200.1
27.5°	381.5	362.9	316.4	254.3	210.9	186.1	183.0	200.1	221.8	238.8	237.3
30°	454.4	432.7	372.2	288.5	232.6	200.1	203.2	226.4	255.9	276.0	276.0
32.5°	538.1	504.0	426.5	325.7	249.7	212.5	218.7	249.7	285.4	305.5	308.6
35°	617.2	576.9	471.5	353.6	263.6	223.3	231.1	271.4	313.3	338.1	338.1
37.5°	685.5	642.0	507.1	372.2	269.8	229.5	241.9	288.5	328.8	353.6	353.6
40°	718.0	666.9	518.0	375.3	271.4	232.6	248.1	296.2	335.0	355.1	353.6
42.5°	777.0	708.7	519.5	358.2	266.7	234.2	251.2	293.1	322.6	331.9	330.3
45°	856.1	767.7	527.3	342.7	255.9	231.1	248.1	282.3	299.3	300.9	297.8
47.5°	958.4	853.0	538.1	328.8	246.6	226.4	240.4	266.7	276.0	271.4	269.8
50°	1099.5	950.7	553.6	313.3	240.4	218.7	232.6	255.9	262.1	252.8	251.2
52.5°	1237.6	1048.4	559.9	297.8	234.2	214.0	228.0	251.2	252.8	237.3	235.7
55°	1405.1	1153.8	552.1	280.7	231.1	212.5	228.0	248.1	241.9	226.4	223.3
57.5°	1614.4	1288.7	550.5	265.2	224.9	212.5	229.5	245.0	240.4	229.5	228.0
60°	1744.7	1346.1	525.7	255.9	220.2	215.6	232.6	249.7	243.5	231.1	229.5
62.5°	1837.7	1370.9	488.5	245.0	217.1	215.6	237.3	251.2	241.9	232.6	231.1
65°	1864.1	1346.1	449.7	234.2	212.5	215.6	238.8	249.7	245.0	238.8	238.8
67.5°	1752.4	1234.5	393.9	224.9	206.3	210.9	235.7	251.2	248.1	245.0	243.5
70°	1549.3	1076.3	342.7	212.5	195.4	203.2	231.1	251.2	251.2	249.7	249.7
72.5°	1236.0	831.2	276.0	198.5	183.0	193.9	224.9	246.6	245.0	243.5	241.9
75°	991.0	656.0	234.2	179.9	170.6	181.4	215.6	237.3	234.2	234.2	232.6
77.5°	746.0	496.3	198.5	162.8	155.1	170.6	201.6	221.8	220.2	218.7	215.6
80°	539.7	367.5	169.0	147.3	142.7	156.6	184.5	201.6	201.6	201.6	200.1
82.5°	390.8	271.4	147.3	133.4	130.3	142.7	165.9	179.9	186.1	190.8	187.7
85°	257.4	190.8	130.3	121.0	121.0	131.8	150.4	162.8	172.1	176.8	175.2
87.5°	175.2	145.8	114.8	107.0	110.1	121.0	138.0	147.3	155.1	159.7	158.2
90°	124.1	113.2	97.7	91.5	94.6	108.6	124.1	131.8	134.9	136.5	134.9
92.5°	88.4	83.7	77.5	74.4	79.1	94.6	108.6	111.7	111.7	110.1	107.0
95°	66.7	63.6	62.0	58.9	65.1	79.1	89.9	89.9	89.9	85.3	85.3
97.5°	51.2	51.2	51.2	48.1	52.7	63.6	71.3	69.8	69.8	66.7	66.7
100°	41.9	41.9	41.9	40.3	43.4	51.2	54.3	54.3	55.8	54.3	54.3
102.5°	34.1	34.1	34.1	34.1	35.7	41.9	45.0	43.4	45.0	45.0	45.0
105°	27.9	27.9	29.5	27.9	31.0	35.7	35.7	35.7	37.2	34.1	35.7
107.5°	21.7	23.3	23.3	23.3	26.4	29.5	31.0	29.5	29.5	27.9	27.9
110°	18.6	20.2	20.2	20.2	21.7	24.8	26.4	24.8	23.3	23.3	23.3

REPORT NUMBER: P695506
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	17.1	17.1	17.1	18.6	21.7	21.7	20.2	18.6	18.6	18.6
115°	14.0	14.0	15.5	15.5	17.1	18.6	18.6	17.1	15.5	17.1	17.1
117.5°	12.4	12.4	14.0	14.0	14.0	15.5	15.5	14.0	14.0	15.5	15.5
120°	10.9	12.4	12.4	12.4	12.4	14.0	14.0	12.4	12.4	14.0	14.0
122.5°	10.9	10.9	10.9	10.9	12.4	12.4	12.4	10.9	10.9	12.4	12.4
125°	9.3	10.9	10.9	10.9	10.9	10.9	10.9	9.3	10.9	10.9	12.4
127.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.9	10.9
130°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.8	9.3	9.3	9.3
132.5°	9.3	9.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.3	9.3
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.3	9.3
137.5°	7.8	7.8	6.2	6.2	6.2	6.2	6.2	6.2	7.8	7.8	7.8
140°	6.2	6.2	6.2	4.7	4.7	4.7	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2
145°	4.7	4.7	4.7	3.1	3.1	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	3.1
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)