

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: P695167

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-750-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4831 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

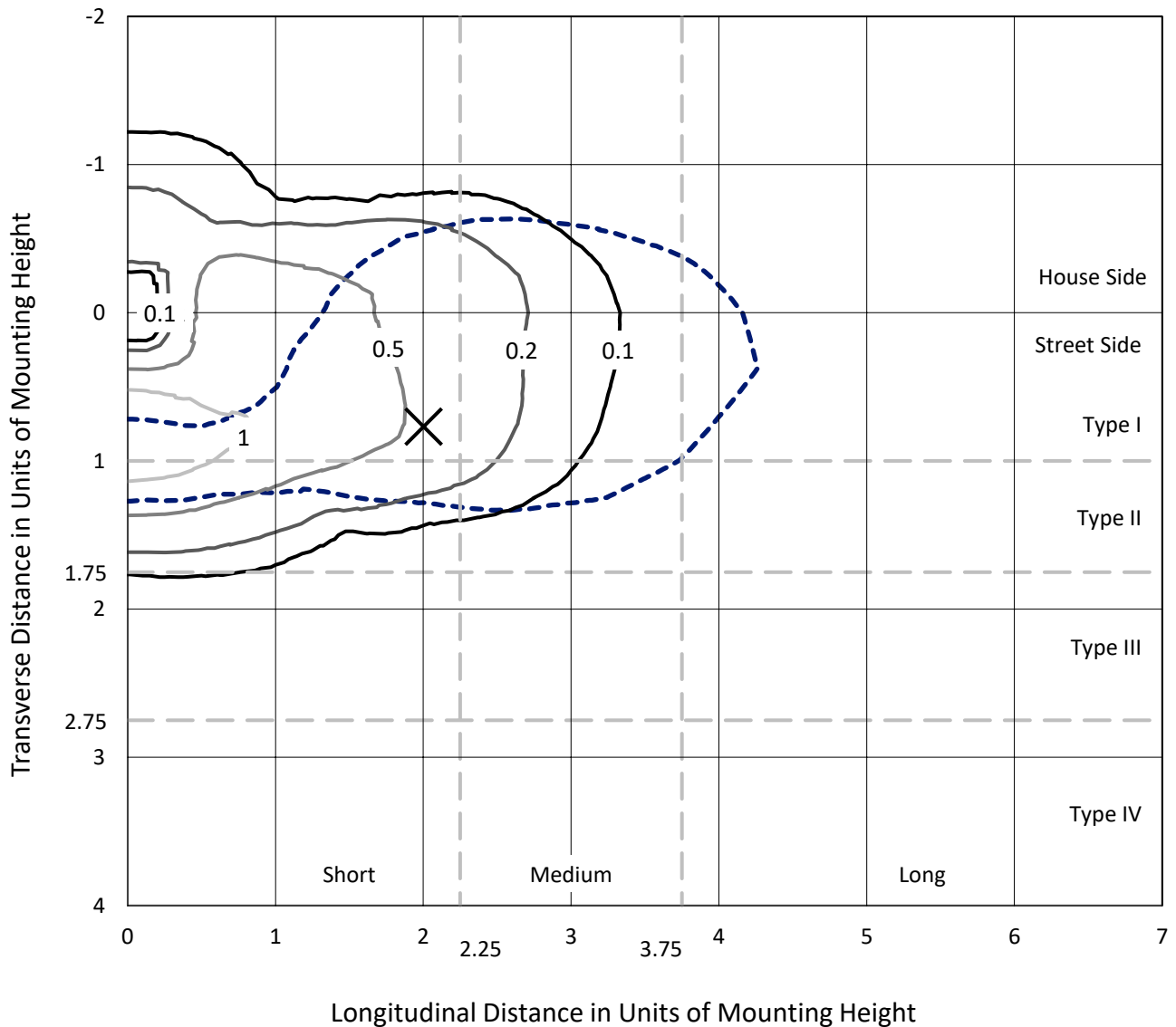
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

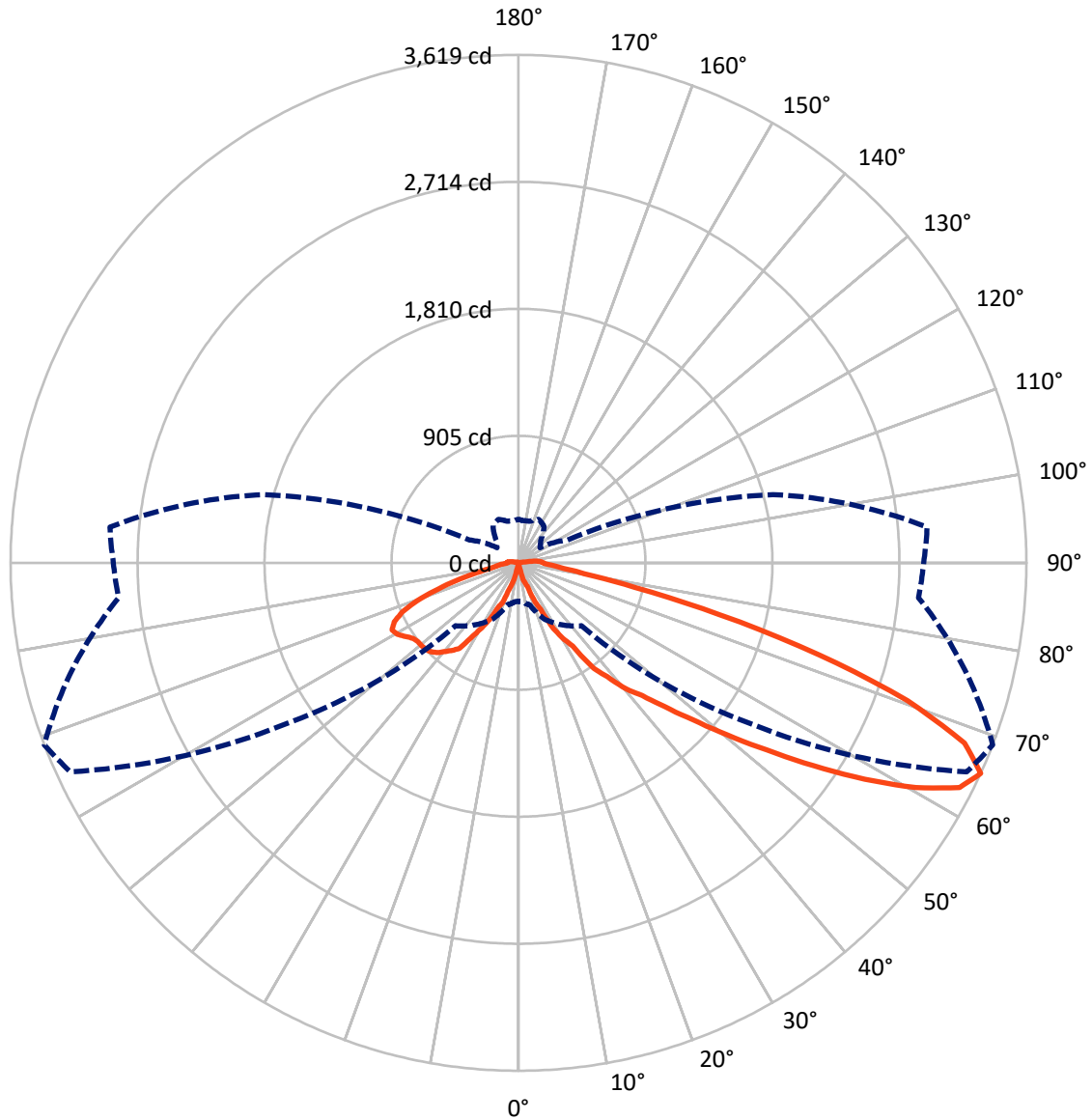
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P695167
CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

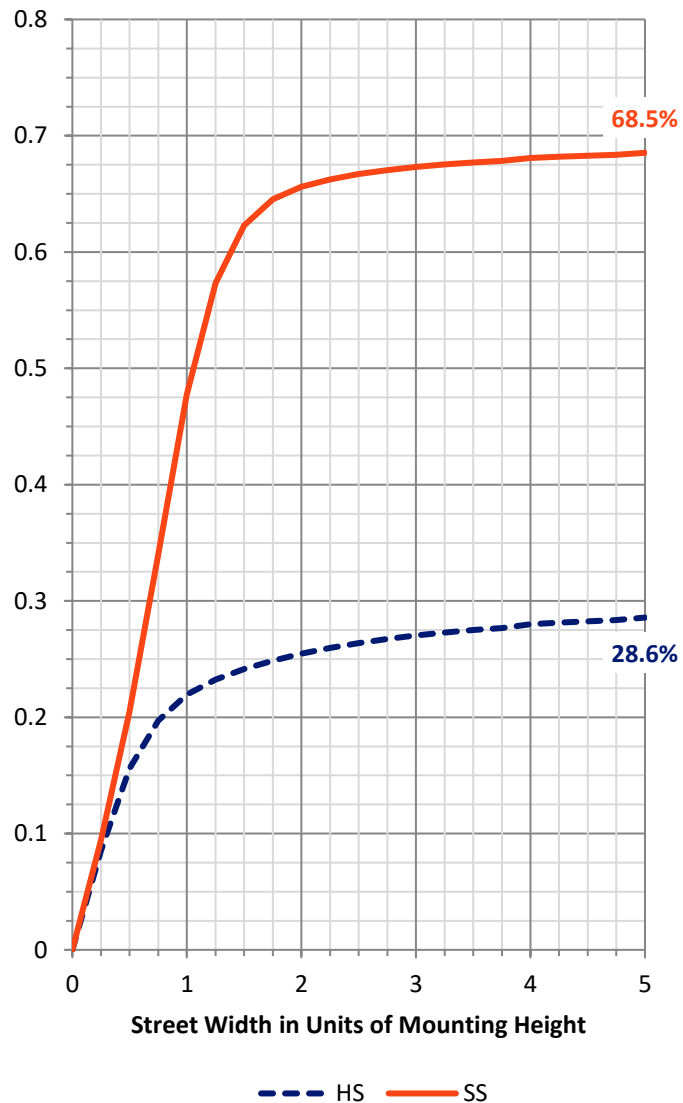
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.3	41.4	1457.7
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3337.4	35.9	3373.3
	% Fixture	69.1	0.7	69.8
Total	Lumens	4753.7	77.3	4831.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	29.2	0.6
20°-30°	186.0	3.9
30°-40°	510.5	10.6
40°-50°	910.2	18.8
50°-60°	1181.4	24.5
60°-70°	1129.7	23.4
70°-80°	651.1	13.5
80°-90°	155.3	3.2
90°-100°	54.8	1.1
100°-110°	9.9	0.2
110°-120°	4.7	0.1
120°-130°	3.8	0.1
130°-140°	2.3	0.0
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4753.7	98.4
0°-180°	4831.0	100.0

Coefficient of Utilization



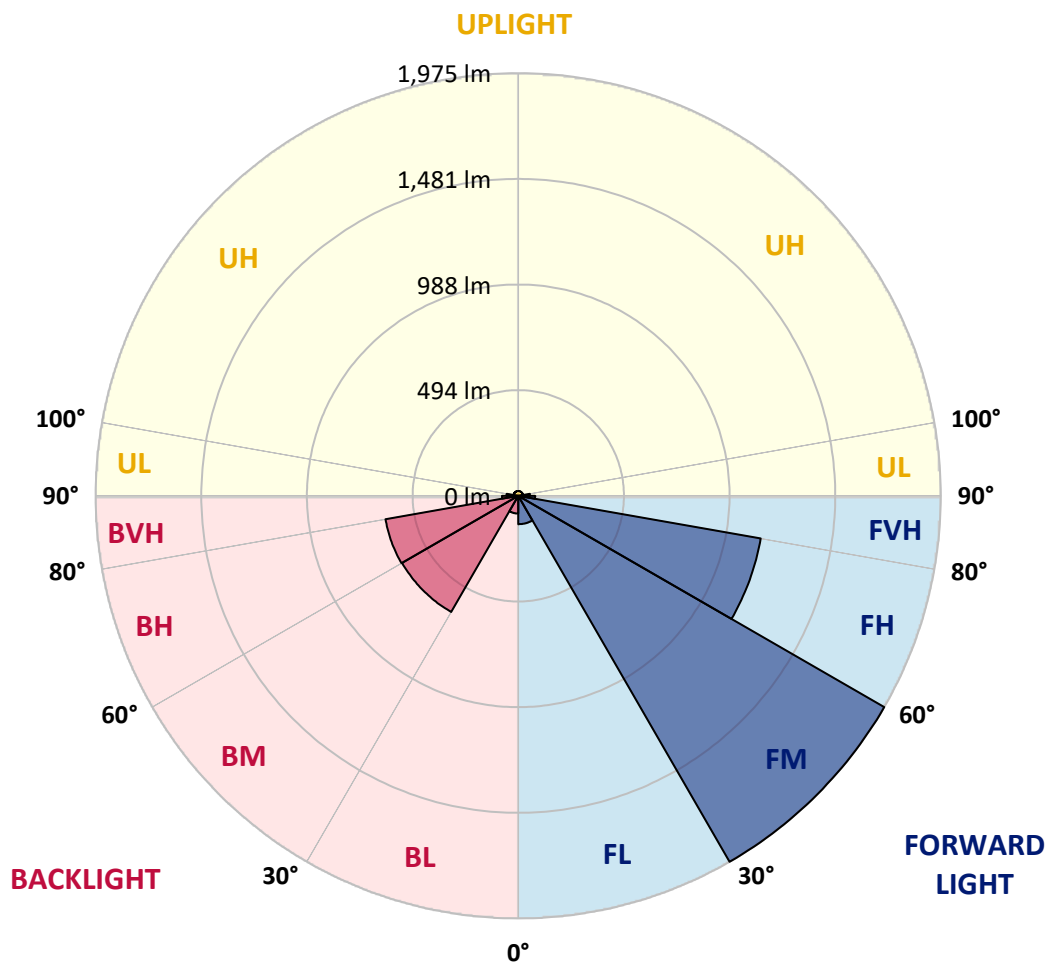
REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.6	2.7			
FM (30°-60°)	1975.1	40.9			
FH (60°-80°)	1150.6	23.8			G1/1800
FVH (80°-90°)	79.1	1.6			G1/100
BL (0°-30°)	82.9	1.7	B0/110		
BM (30°-60°)	627.0	13.0	B1/1000		
BH (60°-80°)	630.2	13.0	B2/1000		G2/1000
BVH (80°-90°)	76.2	1.6			G1/100
UL (90°-100°)	54.8	1.1		U3/500	
UH (100°-180°)	22.5	0.5		U2/50	

BUG Rating: B2-U3-G2

Type II Short



REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6
5°	3.3	3.3	3.3	4.9	3.3	3.3	3.3	3.3	3.3	1.6	1.6
7.5°	6.5	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	1.6	1.6
10°	27.8	22.9	18.0	13.1	8.2	4.9	4.9	3.3	3.3	3.3	3.3
12.5°	121.0	116.1	114.4	107.9	36.0	13.1	8.2	13.1	16.3	22.9	27.8
15°	142.2	140.6	137.3	127.5	121.0	89.9	29.4	111.2	121.0	127.5	129.1
17.5°	259.9	237.0	183.1	158.6	140.6	129.1	122.6	142.2	145.5	148.8	153.7
20°	351.5	351.5	336.8	295.9	179.8	214.1	210.9	170.0	178.2	220.7	277.9
22.5°	439.7	434.8	407.0	376.0	369.4	256.7	245.2	297.5	302.4	330.2	330.2
25°	724.2	724.2	642.4	474.1	443.0	372.7	377.6	380.9	369.4	376.0	392.3
27.5°	859.9	848.4	817.4	722.6	549.3	518.2	447.9	446.3	531.3	549.3	560.7
30°	1229.3	1224.4	1049.5	851.7	742.2	599.9	611.4	624.5	624.5	626.1	608.1
32.5°	1486.0	1492.5	1402.6	1132.9	871.3	737.3	740.5	691.5	707.8	820.6	828.8
35°	1736.1	1749.2	1624.9	1378.1	1124.7	913.8	828.8	889.3	923.6	922.0	900.7
37.5°	1989.5	1979.7	1870.1	1592.2	1317.6	1051.1	1010.3	1046.2	1029.9	1051.1	984.1
40°	2167.7	2166.0	2067.9	1817.8	1513.8	1240.8	1139.4	1172.1	1183.5	1175.4	1088.7
42.5°	2290.3	2278.8	2237.9	2050.0	1770.4	1492.5	1309.4	1332.3	1293.1	1324.1	1214.6
45°	2340.9	2326.2	2319.7	2177.5	1992.7	1876.7	1551.4	1505.6	1461.4	1523.6	1361.7
47.5°	2272.3	2252.7	2290.3	2246.1	2167.7	2146.4	1834.2	1675.6	1669.1	1716.5	1544.8
50°	2050.0	2015.6	2117.0	2195.4	2251.0	2332.8	2151.3	1947.0	1925.7	1929.0	1716.5
52.5°	1696.8	1698.5	1819.5	1961.7	2218.3	2365.5	2455.4	2288.6	2215.1	2179.1	1889.7
55°	1355.2	1366.6	1458.2	1584.1	1948.6	2332.8	2687.5	2674.4	2550.2	2421.0	2074.5
57.5°	974.3	998.8	1139.4	1226.0	1577.5	2103.9	2803.6	3017.7	2909.8	2671.1	2272.3
60°	557.4	586.9	740.5	936.7	1208.1	1677.2	2746.3	3370.8	3253.1	2934.3	2470.1
62.5°	354.7	362.9	429.9	635.9	789.6	1103.4	2504.4	3585.0	3526.1	3176.3	2684.2
65°	274.6	277.9	310.6	444.6	539.5	634.3	1969.8	3524.5	3619.3	3343.0	2860.8
67.5°	251.7	251.7	261.6	318.8	408.7	400.5	1273.5	3156.7	3428.0	3365.9	2919.6
70°	235.4	238.7	250.1	258.3	322.0	302.4	685.0	2497.9	2942.5	3142.0	2900.0
72.5°	206.0	209.2	224.0	245.2	250.1	245.2	382.5	1660.9	2236.3	2638.5	2741.4
75°	174.9	176.6	186.4	220.7	219.1	197.8	317.1	992.3	1481.1	1935.5	2324.6
77.5°	143.9	148.8	160.2	178.2	199.4	156.9	282.8	583.6	845.2	1217.9	1611.8
80°	106.3	109.5	121.0	147.1	160.2	135.7	233.8	379.3	474.1	631.0	776.5
82.5°	76.8	78.5	88.3	106.3	114.4	116.1	183.1	305.7	325.3	348.2	349.8
85°	47.4	45.8	47.4	55.6	70.3	75.2	132.4	243.6	245.2	237.0	233.8
87.5°	21.3	21.3	16.3	19.6	22.9	22.9	68.7	192.9	192.9	183.1	189.6
90°	22.9	22.9	16.3	16.3	18.0	16.3	39.2	163.5	173.3	173.3	191.3
92.5°	24.5	22.9	18.0	16.3	16.3	14.7	24.5	130.8	156.9	173.3	197.8
95°	22.9	22.9	16.3	14.7	14.7	13.1	19.6	89.9	125.9	140.6	168.4
97.5°	16.3	16.3	11.4	11.4	13.1	11.4	14.7	37.6	49.0	63.8	85.0
100°	11.4	11.4	8.2	8.2	8.2	8.2	9.8	16.3	19.6	16.3	19.6
102.5°	9.8	11.4	6.5	6.5	6.5	4.9	6.5	8.2	9.8	11.4	14.7
105°	9.8	9.8	4.9	4.9	4.9	4.9	3.3	6.5	6.5	8.2	14.7
107.5°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	4.9	6.5	8.2	14.7
110°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	6.5	6.5	11.4

REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	4.9	4.9	8.2
115°	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	4.9	4.9	8.2
117.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
120°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
122.5°	4.9	4.9	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
125°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	3.3	3.3	4.9	6.5
127.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	6.5
130°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	6.5
132.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9
135°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
137.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
140°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	3.3	4.9	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
5°	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3
7.5°	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3
10°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12.5°	26.2	24.5	21.3	11.4	4.9	3.3	3.3	3.3	4.9	6.5	6.5
15°	132.4	134.0	130.8	117.7	29.4	8.2	4.9	14.7	55.6	96.4	67.0
17.5°	153.7	155.3	152.0	148.8	135.7	60.5	39.2	129.1	134.0	143.9	140.6
20°	282.8	279.5	233.8	173.3	156.9	145.5	122.6	148.8	156.9	160.2	160.2
22.5°	328.6	326.9	320.4	302.4	186.4	217.4	194.5	163.5	268.1	281.2	279.5
25°	380.9	371.1	353.1	336.8	322.0	238.7	240.3	259.9	274.6	276.3	276.3
27.5°	546.0	532.9	503.5	418.5	377.6	297.5	300.8	266.5	268.1	322.0	331.9
30°	593.4	572.2	541.1	524.7	434.8	349.8	287.7	305.7	315.5	313.9	317.1
32.5°	791.2	760.1	652.3	586.9	479.0	338.4	300.8	295.9	295.9	322.0	325.3
35°	853.3	807.6	748.7	732.4	487.1	331.9	284.4	289.3	326.9	331.9	330.2
37.5°	926.9	863.1	804.3	765.1	510.0	307.3	269.7	291.0	302.4	302.4	300.8
40°	1008.6	944.9	884.4	774.9	485.5	282.8	271.4	276.3	284.4	279.5	277.9
42.5°	1128.0	1043.0	989.0	774.9	423.4	268.1	264.8	264.8	271.4	266.5	264.8
45°	1273.5	1175.4	1077.3	763.4	359.6	259.9	261.6	259.9	266.5	259.9	258.3
47.5°	1427.1	1325.8	1157.4	735.6	310.6	253.4	266.5	258.3	259.9	250.1	248.5
50°	1602.0	1492.5	1240.8	686.6	282.8	253.4	264.8	259.9	255.0	245.2	243.6
52.5°	1778.6	1667.4	1338.8	626.1	263.2	248.5	266.5	264.8	258.3	243.6	243.6
55°	1960.0	1883.2	1451.6	573.8	241.9	246.8	274.6	274.6	261.6	241.9	240.3
57.5°	2154.6	2102.3	1575.9	554.2	222.3	237.0	287.7	291.0	266.5	240.3	240.3
60°	2381.8	2403.1	1708.3	531.3	209.2	228.9	294.3	305.7	273.0	240.3	240.3
62.5°	2664.6	2725.1	1832.5	479.0	197.8	217.4	300.8	322.0	292.6	268.1	269.7
65°	2886.9	2922.9	1876.7	384.2	186.4	222.3	317.1	341.7	305.7	302.4	310.6
67.5°	3009.5	2993.2	1809.6	292.6	173.3	219.1	312.2	354.7	320.4	328.6	333.5
70°	3006.3	2886.9	1587.3	225.6	161.8	215.8	317.1	349.8	328.6	351.5	366.2
72.5°	2797.0	2525.7	1203.2	196.2	161.8	212.5	309.0	336.8	330.2	353.1	364.5
75°	2247.8	1919.2	825.5	171.6	153.7	202.7	294.3	313.9	300.8	320.4	326.9
77.5°	1489.2	1262.0	461.0	155.3	152.0	186.4	268.1	277.9	263.2	276.3	281.2
80°	698.0	582.0	256.7	143.9	147.1	165.1	220.7	235.4	212.5	225.6	225.6
82.5°	320.4	295.9	194.5	130.8	132.4	125.9	171.6	194.5	173.3	179.8	173.3
85°	215.8	217.4	155.3	111.2	107.9	89.9	135.7	150.4	130.8	135.7	114.4
87.5°	188.0	192.9	124.2	71.9	62.1	55.6	88.3	91.5	67.0	55.6	53.9
90°	192.9	194.5	114.4	53.9	37.6	29.4	47.4	45.8	29.4	26.2	26.2
92.5°	199.4	199.4	116.1	57.2	37.6	27.8	42.5	34.3	26.2	22.9	22.9
95°	181.5	171.6	101.4	57.2	36.0	24.5	34.3	29.4	22.9	22.9	21.3
97.5°	111.2	101.4	75.2	57.2	29.4	21.3	26.2	22.9	16.3	14.7	14.7
100°	31.1	26.2	47.4	45.8	21.3	14.7	18.0	14.7	9.8	8.2	6.5
102.5°	14.7	14.7	24.5	29.4	11.4	8.2	9.8	9.8	8.2	8.2	6.5
105°	14.7	14.7	11.4	13.1	6.5	4.9	4.9	6.5	6.5	8.2	8.2
107.5°	14.7	16.3	9.8	6.5	6.5	4.9	3.3	4.9	6.5	8.2	9.8
110°	13.1	13.1	8.2	6.5	4.9	4.9	3.3	4.9	6.5	9.8	9.8

REPORT NUMBER: P695167
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	9.8	6.5	6.5	4.9	4.9	3.3	3.3	6.5	9.8	11.4
115°	8.2	8.2	6.5	4.9	3.3	3.3	3.3	3.3	6.5	11.4	13.1
117.5°	8.2	8.2	4.9	3.3	3.3	3.3	3.3	3.3	6.5	13.1	13.1
120°	8.2	8.2	4.9	3.3	3.3	3.3	3.3	4.9	8.2	13.1	14.7
122.5°	8.2	8.2	4.9	3.3	3.3	3.3	3.3	4.9	8.2	13.1	14.7
125°	8.2	8.2	4.9	3.3	3.3	3.3	3.3	4.9	8.2	13.1	13.1
127.5°	6.5	6.5	4.9	3.3	3.3	3.3	3.3	3.3	6.5	11.4	13.1
130°	6.5	6.5	4.9	3.3	3.3	3.3	3.3	3.3	6.5	11.4	11.4
132.5°	4.9	4.9	3.3	3.3	3.3	1.6	3.3	3.3	6.5	9.8	9.8
135°	3.3	3.3	3.3	1.6	1.6	1.6	3.3	3.3	4.9	6.5	8.2
137.5°	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3	4.9	4.9	4.9
140°	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	4.9	4.9
142.5°	1.6	1.6	1.6	1.6	3.3	1.6	3.3	3.3	3.3	4.9	4.9
145°	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	4.9	4.9
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9	4.9
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	4.9
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)