

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: P695172

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4670 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

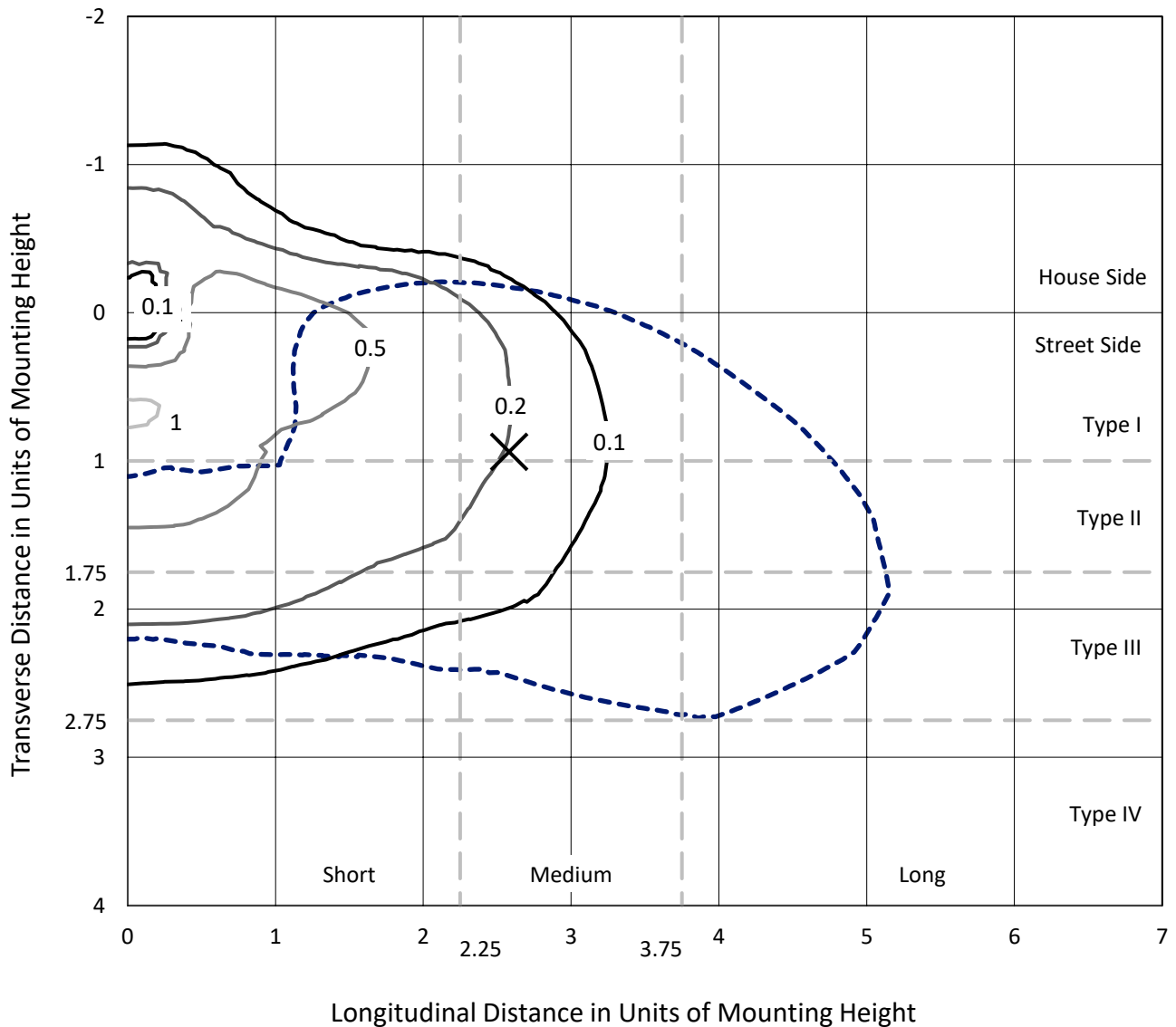
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

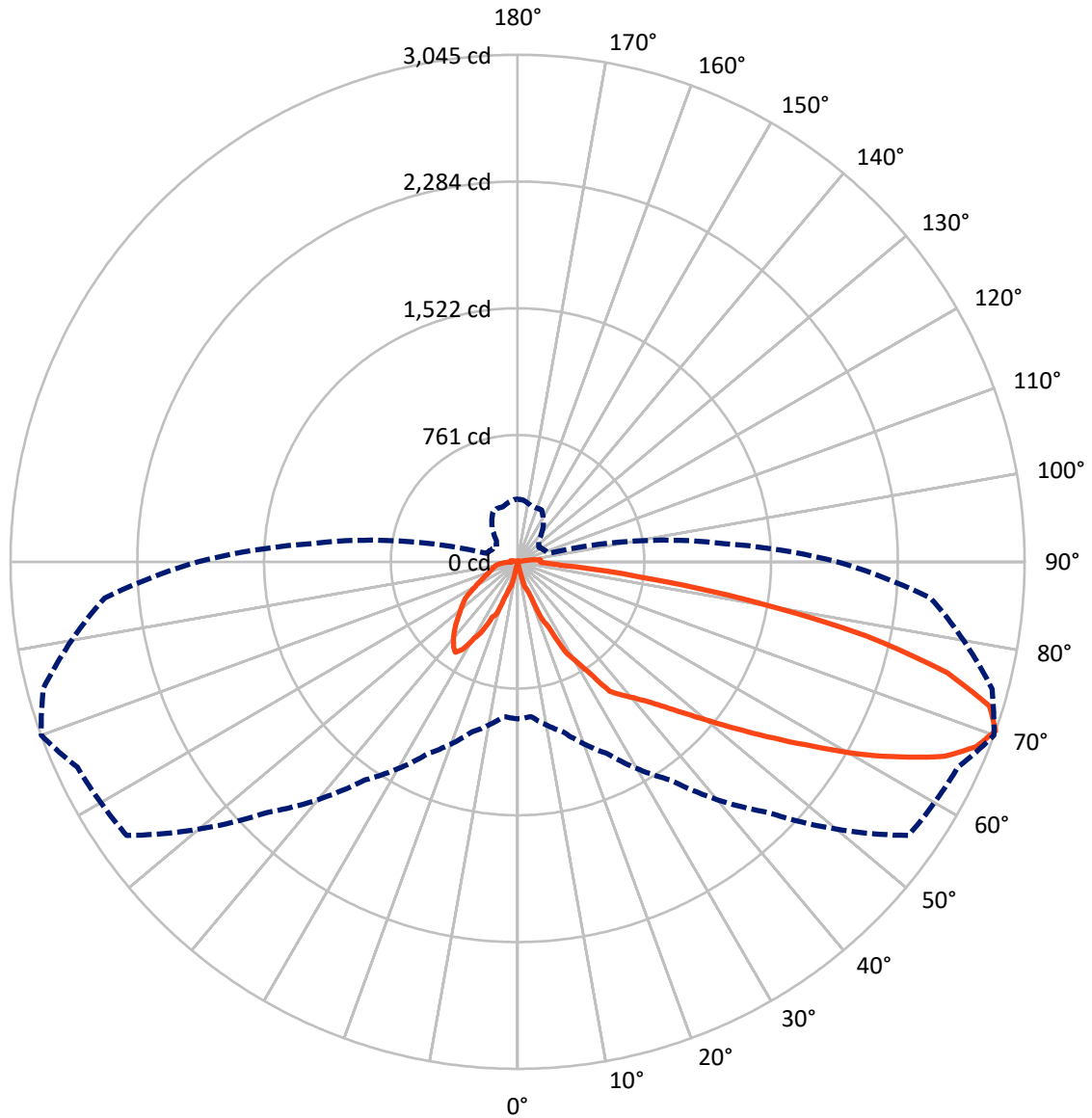
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695172
CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

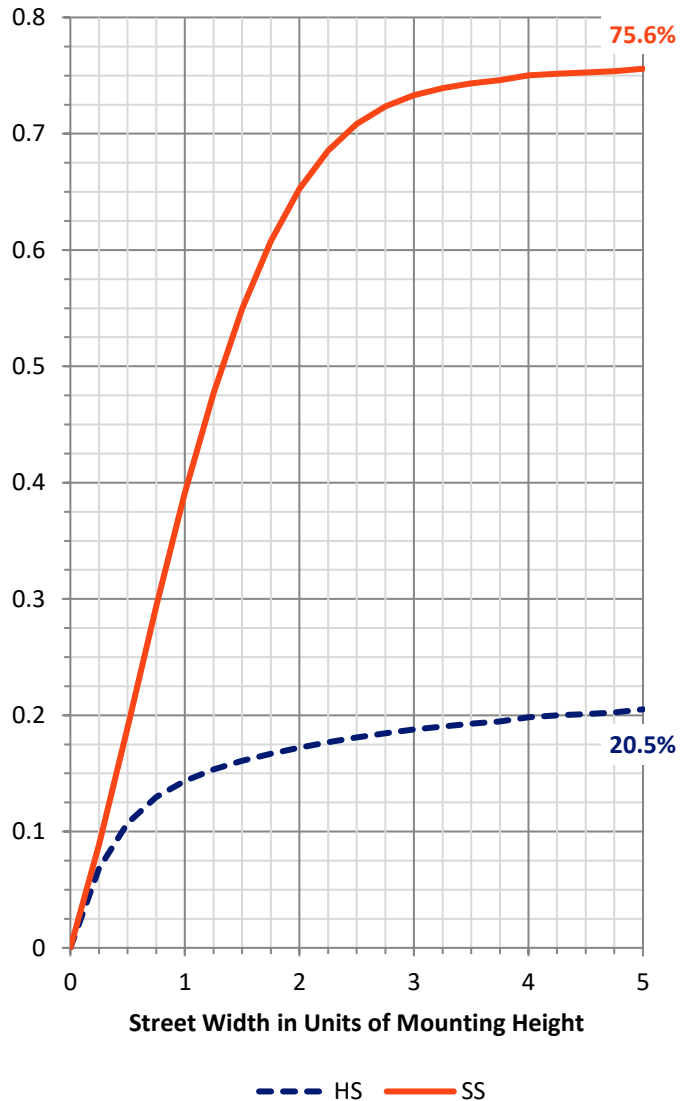
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1016.2	50.4	1066.6
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	3559.1	44.3	3603.4
	% Fixture	76.2	0.9	77.2
Total	Lumens	4575.4	94.7	4670.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	33.3	0.7
20°-30°	190.8	4.1
30°-40°	440.5	9.4
40°-50°	645.2	13.8
50°-60°	954.3	20.4
60°-70°	1251.6	26.8
70°-80°	850.1	18.2
80°-90°	209.1	4.5
90°-100°	68.7	1.5
100°-110°	12.2	0.3
110°-120°	4.9	0.1
120°-130°	3.8	0.1
130°-140°	2.7	0.1
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4575.4	98.0
0°-180°	4670.0	100.0

Coefficient of Utilization

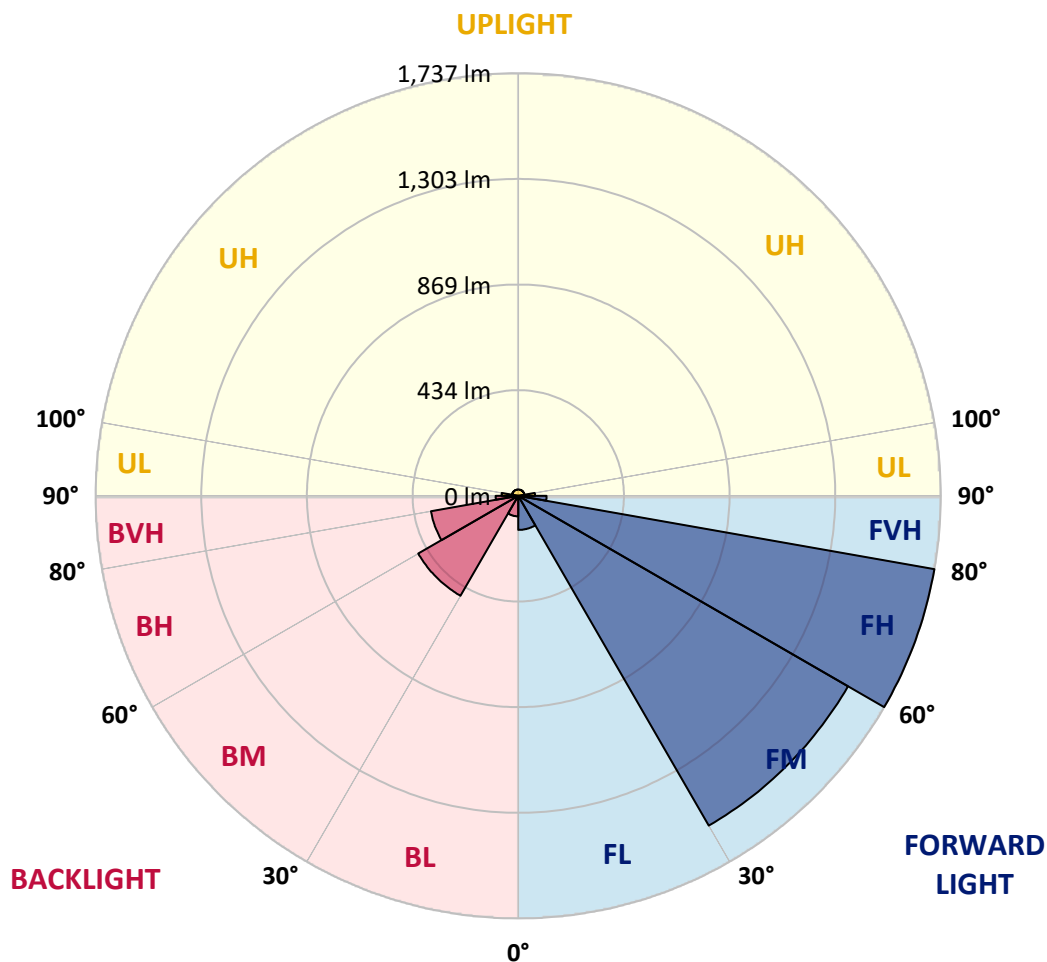


REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.2	3.0			
FM (30°-60°)	1565.4	33.5			
FH (60°-80°)	1737.3	37.2			G1/1800
FVH (80°-90°)	116.2	2.5			G2/225
BL (0°-30°)	84.3	1.8	B0/110		
BM (30°-60°)	474.6	10.2	B1/1000		
BH (60°-80°)	364.4	7.8	B1/500		G1/500
BVH (80°-90°)	92.9	2.0			G1/100
UL (90°-100°)	68.7	1.5		U3/500	
UH (100°-180°)	26.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	3.3	3.3
5°	3.3	3.3	3.3	3.3	4.9	4.9	3.3	3.3	3.3	3.3	3.3
7.5°	4.9	3.3	3.3	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3
10°	27.8	29.4	19.6	11.4	8.2	4.9	4.9	4.9	4.9	4.9	4.9
12.5°	150.4	148.7	145.5	101.3	36.0	11.4	8.2	14.7	18.0	22.9	32.7
15°	170.0	171.6	166.7	165.1	155.3	58.8	31.1	137.3	150.4	152.0	152.0
17.5°	237.0	235.3	212.5	186.3	174.9	181.4	145.5	163.4	170.0	173.2	174.9
20°	398.8	397.1	392.2	335.0	215.7	264.8	256.6	194.5	205.9	264.8	336.7
22.5°	444.5	441.3	434.7	418.4	433.1	302.3	294.2	341.6	371.0	389.0	387.3
25°	681.5	688.0	567.1	470.7	478.9	413.5	444.5	441.3	433.1	436.4	441.3
27.5°	758.3	751.8	742.0	694.6	532.8	562.2	506.6	563.8	616.1	645.6	637.4
30°	972.4	970.8	854.7	773.0	699.5	609.6	630.8	710.9	693.0	697.9	671.7
32.5°	1135.9	1134.2	1117.9	954.4	792.6	689.7	748.5	751.8	797.5	887.4	895.6
35°	1199.6	1193.1	1181.6	1062.3	902.1	812.3	791.0	929.9	956.1	959.3	936.5
37.5°	1265.0	1256.8	1247.0	1114.6	1010.0	861.3	907.0	1013.3	1013.3	1034.5	977.3
40°	1302.6	1302.6	1300.9	1158.7	1059.0	905.4	964.2	1077.0	1073.7	1088.5	1034.5
42.5°	1349.9	1345.0	1363.0	1204.5	1109.7	951.2	1019.8	1137.5	1147.3	1184.9	1111.3
45°	1417.0	1423.5	1431.7	1302.6	1178.3	1018.2	1085.2	1232.3	1242.1	1292.7	1222.5
47.5°	1490.5	1498.7	1528.1	1405.5	1289.5	1103.2	1140.8	1340.1	1363.0	1425.1	1363.0
50°	1582.0	1583.7	1626.1	1508.5	1431.7	1224.1	1242.1	1444.7	1505.2	1560.8	1523.2
52.5°	1647.4	1653.9	1706.2	1640.9	1562.4	1369.6	1389.2	1580.4	1675.2	1743.8	1696.4
55°	1704.6	1709.5	1758.5	1742.2	1671.9	1480.7	1580.4	1763.4	1869.7	1928.5	1908.9
57.5°	1725.8	1730.7	1804.3	1817.4	1783.0	1621.2	1781.4	1944.8	2087.0	2152.4	2119.7
60°	1711.1	1711.1	1801.0	1871.3	1905.6	1776.5	1993.9	2149.1	2342.0	2386.1	2397.5
62.5°	1662.1	1675.2	1784.7	1894.2	1993.9	1928.5	2209.6	2402.5	2580.6	2621.5	2595.3
65°	1554.2	1557.5	1673.5	1845.1	2003.7	2093.6	2485.8	2616.5	2817.6	2802.9	2691.7
67.5°	1349.9	1327.1	1428.4	1670.3	1895.8	2178.6	2716.2	2798.0	2966.3	2917.3	2667.2
70°	943.0	933.2	1057.4	1269.9	1598.4	2129.5	2865.0	2917.3	3044.7	2949.9	2489.1
72.5°	447.8	483.8	545.9	727.3	1108.1	1797.8	2824.1	2905.8	2963.0	2855.2	2162.2
75°	196.1	201.0	233.7	330.1	570.4	1135.9	2471.1	2610.0	2667.2	2544.6	1703.0
77.5°	140.6	140.6	155.3	179.8	259.9	542.6	1683.4	2067.4	2141.0	2021.7	1193.1
80°	109.5	109.5	120.9	137.3	161.8	223.9	1049.2	1385.9	1412.1	1235.5	665.2
82.5°	81.7	85.0	94.8	103.0	119.3	153.6	449.4	712.6	730.5	573.6	348.1
85°	58.8	58.8	65.4	65.4	78.4	119.3	232.1	261.5	259.9	230.4	215.7
87.5°	19.6	19.6	16.3	19.6	32.7	75.2	145.5	147.1	140.6	160.2	181.4
90°	22.9	22.9	16.3	18.0	24.5	68.6	140.6	140.6	134.0	143.8	181.4
92.5°	24.5	24.5	18.0	18.0	21.2	60.5	142.2	148.7	140.6	145.5	179.8
95°	24.5	24.5	18.0	16.3	19.6	40.9	137.3	137.3	132.4	129.1	142.2
97.5°	14.7	14.7	11.4	13.1	16.3	21.2	81.7	85.0	75.2	58.8	76.8
100°	9.8	9.8	8.2	9.8	11.4	11.4	39.2	40.9	31.1	14.7	16.3
102.5°	9.8	9.8	6.5	8.2	6.5	6.5	11.4	14.7	9.8	9.8	13.1
105°	9.8	11.4	4.9	4.9	4.9	4.9	4.9	9.8	8.2	8.2	13.1
107.5°	9.8	9.8	4.9	4.9	4.9	4.9	3.3	4.9	6.5	8.2	14.7
110°	4.9	6.5	3.3	4.9	3.3	4.9	3.3	4.9	6.5	6.5	11.4

REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.3	3.3	1.6	3.3	3.3	3.3	3.3	4.9	4.9	4.9	8.2
115°	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3	4.9	4.9	8.2
117.5°	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	4.9	8.2
120°	4.9	3.3	1.6	1.6	1.6	1.6	3.3	3.3	4.9	4.9	8.2
122.5°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
125°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
127.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	8.2
130°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	6.5
132.5°	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	6.5
135°	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	4.9
137.5°	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
150°	4.9	4.9	4.9	3.3	3.3	1.6	3.3	3.3	3.3	3.3	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

REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
7.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
10°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
12.5°	29.4	29.4	22.9	11.4	4.9	3.3	3.3	3.3	4.9	8.2	6.5
15°	155.3	155.3	152.0	138.9	29.4	8.2	6.5	14.7	65.4	117.7	119.3
17.5°	178.1	176.5	173.2	165.1	147.1	52.3	50.7	137.3	147.1	153.6	155.3
20°	335.0	331.8	256.6	183.0	160.2	158.5	138.9	155.3	160.2	163.4	165.1
22.5°	382.4	377.5	359.6	317.1	183.0	215.7	202.7	168.3	251.7	269.7	269.7
25°	439.6	426.6	390.6	341.6	312.2	227.2	233.7	245.1	259.9	263.1	263.1
27.5°	625.9	614.5	562.2	375.9	335.0	268.0	271.3	248.4	261.5	299.1	304.0
30°	655.4	637.4	590.0	464.1	348.1	300.7	259.9	290.9	305.6	304.0	305.6
32.5°	872.7	854.7	758.3	477.2	374.3	282.7	284.4	290.9	300.7	317.1	328.5
35°	907.0	887.4	777.9	542.6	357.9	281.1	281.1	294.2	338.3	344.8	344.8
37.5°	944.6	928.3	769.8	506.6	361.2	281.1	272.9	300.7	318.7	317.1	317.1
40°	1010.0	983.9	748.5	462.5	328.5	269.7	272.9	282.7	292.5	282.7	277.8
42.5°	1086.8	1039.4	720.7	416.8	302.3	255.0	258.2	261.5	261.5	243.5	241.9
45°	1184.9	1096.6	683.1	374.3	277.8	237.0	245.1	240.2	240.2	225.5	223.9
47.5°	1296.0	1155.5	637.4	336.7	256.6	220.6	232.1	227.2	230.4	217.4	215.7
50°	1425.1	1232.3	593.3	308.9	238.6	212.5	219.0	225.5	230.4	214.1	212.5
52.5°	1560.8	1307.5	562.2	277.8	222.3	202.7	223.9	225.5	228.8	212.5	212.5
55°	1727.5	1400.6	524.6	255.0	210.8	194.5	235.3	235.3	230.4	215.7	214.1
57.5°	1907.3	1493.8	454.3	233.7	201.0	189.6	240.2	248.4	237.0	219.0	219.0
60°	2074.0	1586.9	374.3	217.4	191.2	187.9	243.5	255.0	245.1	228.8	228.8
62.5°	2201.4	1632.7	313.8	204.3	179.8	183.0	241.9	268.0	264.8	256.6	256.6
65°	2216.1	1591.8	263.1	192.8	170.0	181.4	238.6	281.1	282.7	295.8	297.4
67.5°	2137.7	1461.1	223.9	183.0	161.8	176.5	240.2	308.9	317.1	341.6	338.3
70°	1922.0	1248.6	194.5	171.6	155.3	178.1	269.7	343.2	341.6	372.6	375.9
72.5°	1604.9	988.8	176.5	165.1	158.5	191.2	304.0	353.0	346.5	380.8	377.5
75°	1217.6	697.9	161.8	156.9	153.6	194.5	312.2	343.2	330.1	353.0	349.7
77.5°	800.8	459.2	147.1	147.1	148.7	186.3	299.1	326.9	310.5	325.2	323.6
80°	451.1	272.9	132.4	138.9	142.2	178.1	279.5	304.0	287.6	299.1	299.1
82.5°	271.3	194.5	116.0	127.5	130.7	176.5	261.5	282.7	268.0	274.6	266.4
85°	184.7	142.2	91.5	107.9	122.6	170.0	246.8	261.5	235.3	230.4	223.9
87.5°	150.4	111.1	50.7	68.6	91.5	145.5	196.1	197.8	173.2	170.0	168.3
90°	147.1	103.0	36.0	37.6	60.5	101.3	129.1	124.2	116.0	117.7	116.0
92.5°	143.8	98.1	39.2	40.9	60.5	80.1	109.5	107.9	99.7	107.9	106.2
95°	122.6	85.0	40.9	44.1	52.3	49.0	80.1	85.0	78.4	83.4	85.0
97.5°	63.7	45.8	39.2	44.1	39.2	29.4	47.4	53.9	40.9	32.7	36.0
100°	21.2	14.7	39.2	45.8	29.4	21.2	34.3	39.2	24.5	9.8	9.8
102.5°	13.1	13.1	27.8	36.0	21.2	11.4	22.9	27.8	18.0	8.2	8.2
105°	13.1	13.1	11.4	19.6	8.2	6.5	8.2	14.7	9.8	8.2	8.2
107.5°	14.7	13.1	6.5	6.5	6.5	4.9	4.9	6.5	6.5	8.2	8.2
110°	13.1	11.4	6.5	6.5	4.9	4.9	4.9	4.9	6.5	9.8	9.8

REPORT NUMBER: P695172
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

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