

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: P695966

Luminaire Tested: **LXF.LXT-PA16-750-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-750-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 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: 6840 lumens
Efficiency: N/A
Efficacy: 95.0 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 - G3

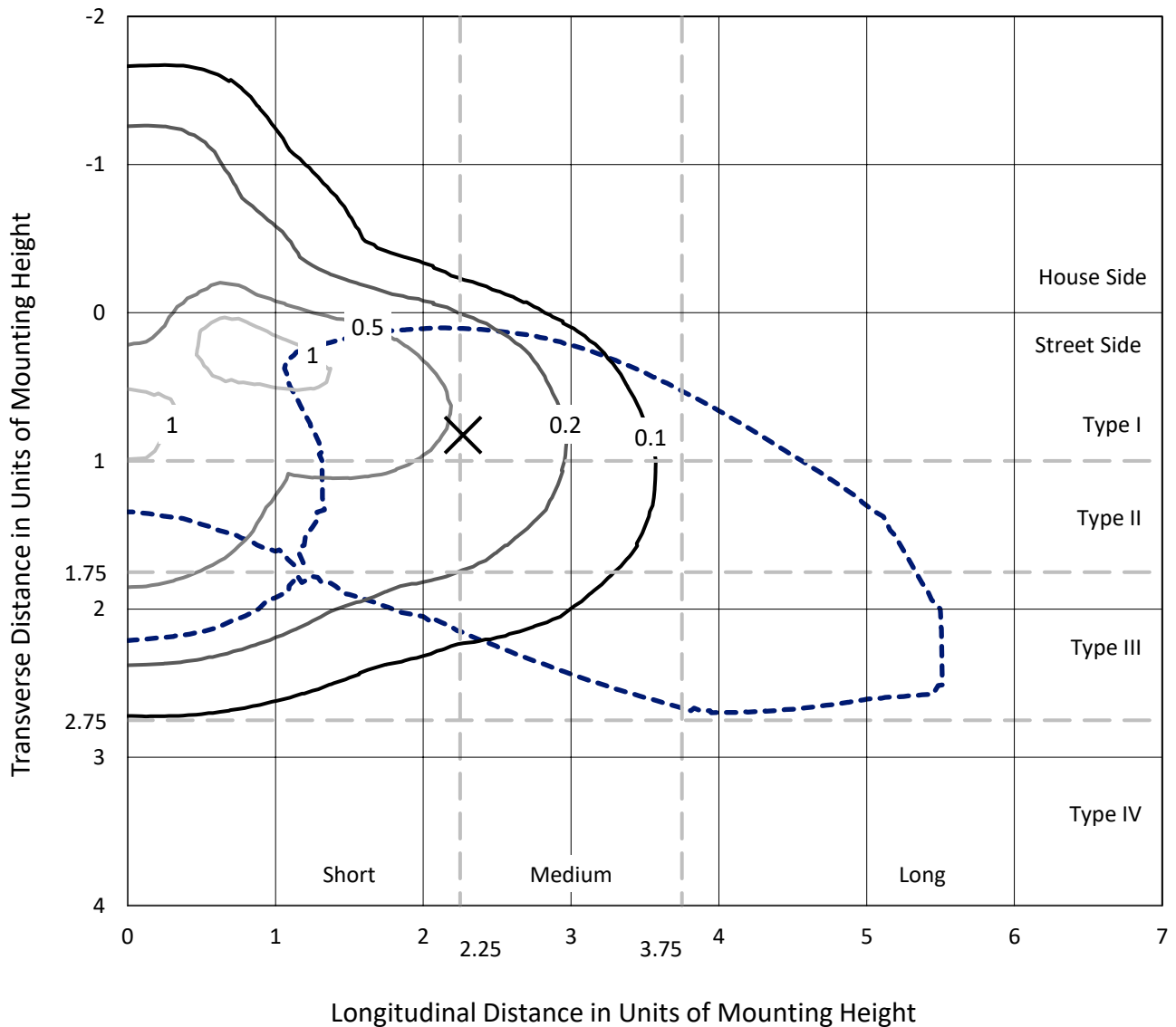
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

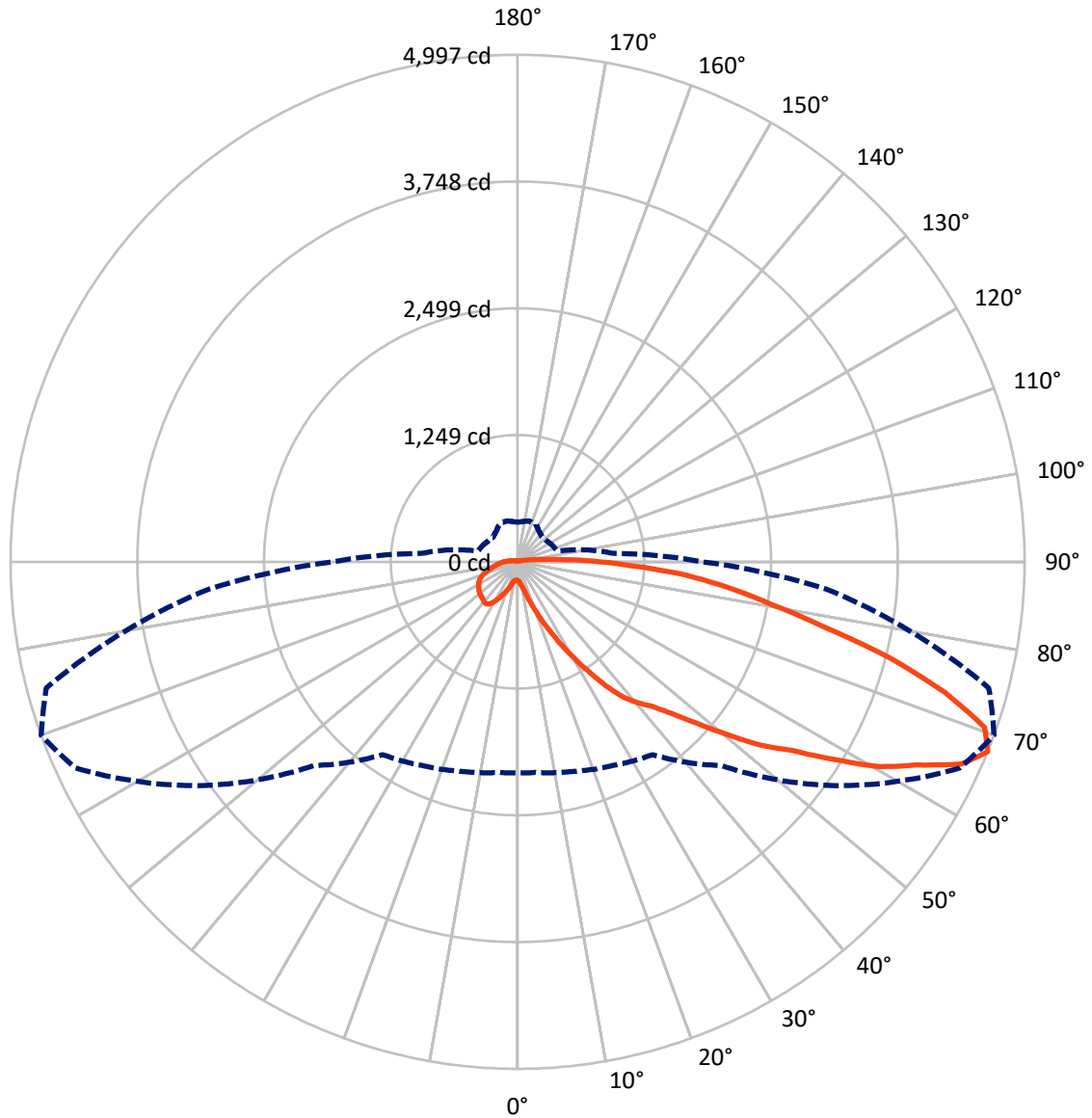
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P695966
CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

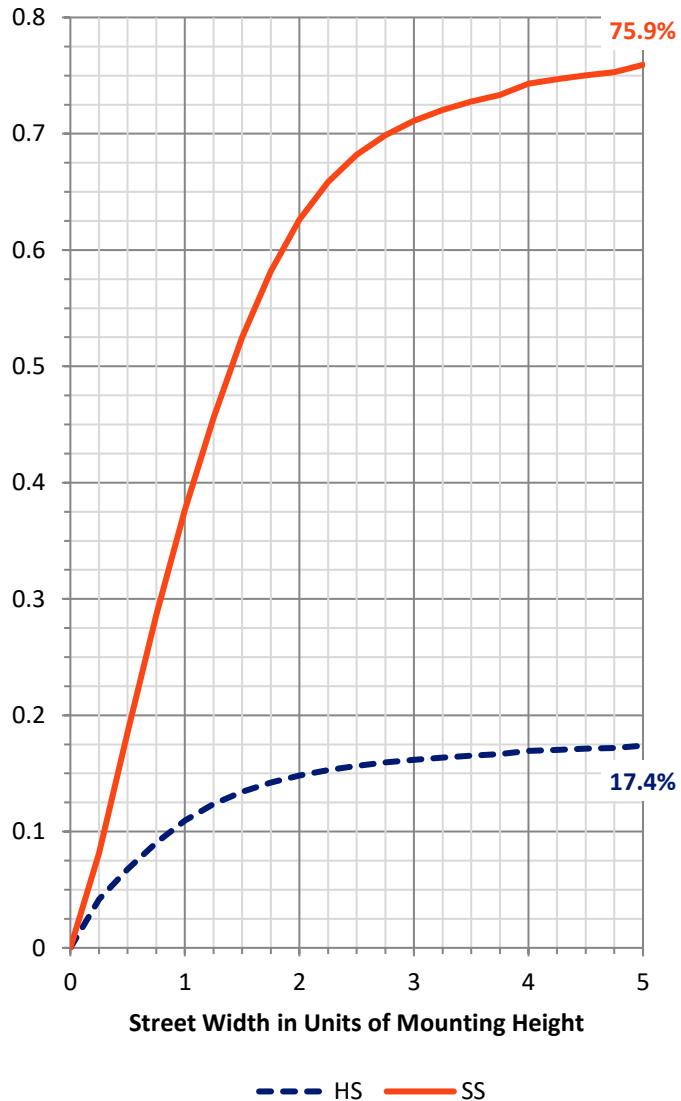
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1249.4	111.7	1361.1
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	5336.4	142.5	5478.9
	% Fixture	78.0	2.1	80.1
Total	Lumens	6585.8	254.2	6840.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	83.4	1.2
20°-30°	246.6	3.6
30°-40°	539.2	7.9
40°-50°	848.6	12.4
50°-60°	1312.2	19.2
60°-70°	1753.8	25.6
70°-80°	1241.0	18.1
80°-90°	541.9	7.9
90°-100°	152.5	2.2
100°-110°	48.9	0.7
110°-120°	23.8	0.3
120°-130°	14.6	0.2
130°-140°	9.5	0.1
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6585.8	96.3
0°-180°	6840.0	100.0

Coefficient of Utilization

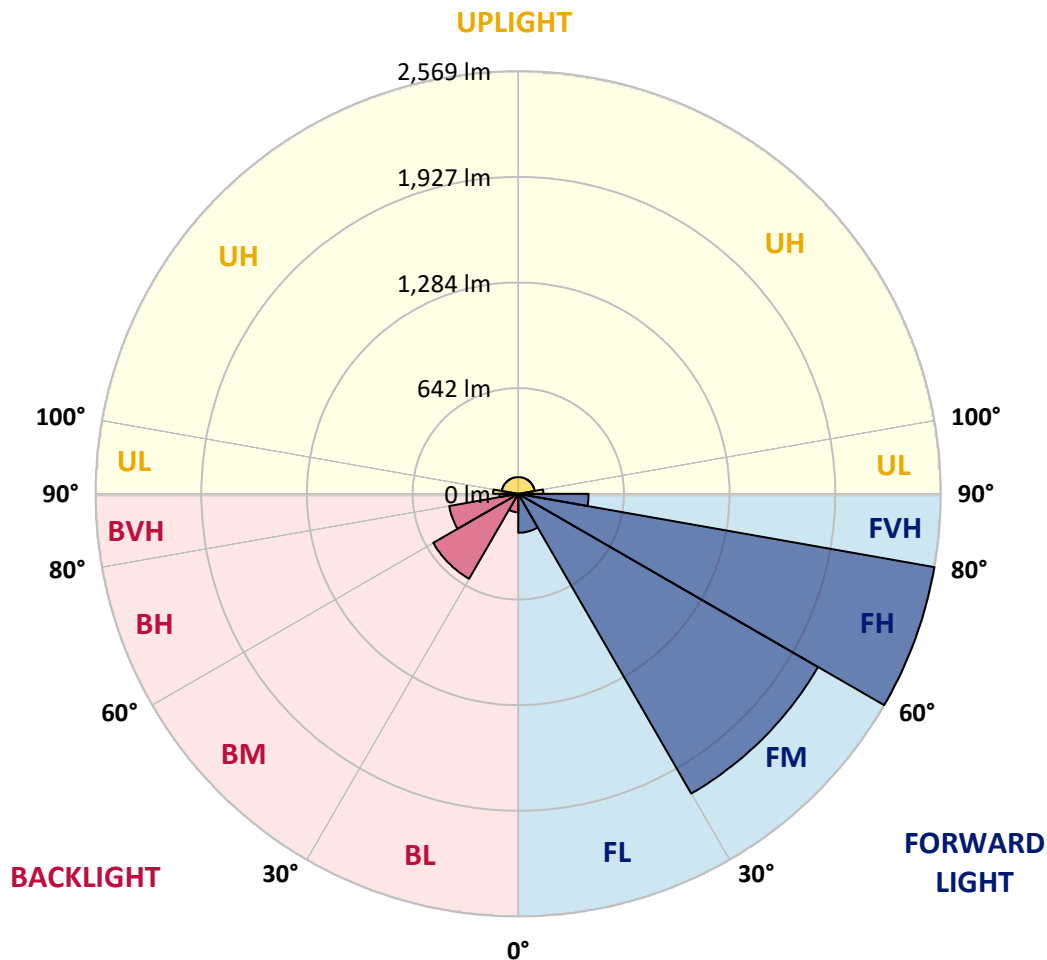


REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.7	3.5			
FM (30°-60°)	2103.5	30.8			
FH (60°-80°)	2568.7	37.6			G2/5000
FVH (80°-90°)	427.5	6.2			G3/500
BL (0°-30°)	112.3	1.6	B1/500		
BM (30°-60°)	596.5	8.7	B1/1000		
BH (60°-80°)	426.1	6.2	B1/500		G1/500
BVH (80°-90°)	114.5	1.7			G2/225
UL (90°-100°)	152.5	2.2		U3/500	
UH (100°-180°)	101.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	196.5	196.5	199.1	196.5	196.5	196.5	193.9	191.3	188.7	188.7	186.1
5°	217.1	217.1	217.1	217.1	214.6	212.0	209.4	204.2	201.6	199.1	193.9
7.5°	243.0	243.0	243.0	243.0	240.4	237.8	230.1	222.3	219.7	217.1	206.8
10°	281.8	281.8	281.8	276.6	274.0	268.8	261.1	253.3	248.2	243.0	227.5
12.5°	333.5	330.9	330.9	325.7	315.4	305.0	302.5	294.7	289.5	284.4	266.3
15°	398.1	398.1	398.1	385.2	374.8	364.5	361.9	354.2	354.2	346.4	323.1
17.5°	470.5	470.5	460.1	447.2	439.5	434.3	436.9	434.3	431.7	421.4	390.3
20°	550.6	548.0	535.1	517.0	506.7	511.8	519.6	527.4	524.8	511.8	467.9
22.5°	654.0	648.9	625.6	599.7	576.5	584.2	610.1	635.9	643.7	623.0	568.7
25°	765.2	765.2	731.6	692.8	664.4	661.8	698.0	770.4	775.5	772.9	695.4
27.5°	912.5	904.8	858.3	801.4	747.1	749.7	806.5	902.2	933.2	930.6	827.2
30°	1072.8	1070.2	1015.9	933.2	840.2	827.2	920.3	1065.1	1103.8	1119.3	979.7
32.5°	1196.9	1209.8	1142.6	1062.5	941.0	907.4	1023.7	1217.6	1295.1	1300.3	1121.9
35°	1336.5	1336.5	1271.9	1171.0	1028.9	984.9	1129.7	1383.0	1501.9	1512.3	1266.7
37.5°	1393.4	1411.5	1362.3	1266.7	1111.6	1052.1	1238.3	1569.2	1690.7	1726.8	1372.7
40°	1468.3	1483.8	1429.6	1326.2	1178.8	1121.9	1331.3	1708.7	1827.7	1845.8	1406.3
42.5°	1613.1	1626.0	1545.9	1401.1	1235.7	1181.4	1398.5	1801.8	1946.6	1975.0	1463.2
45°	1760.4	1773.4	1701.0	1530.4	1308.1	1238.3	1463.2	1954.3	2130.1	2156.0	1548.5
47.5°	1959.5	1964.7	1869.0	1675.1	1416.6	1305.5	1561.4	2158.6	2378.3	2409.3	1664.8
50°	2176.6	2184.4	2060.3	1843.2	1540.7	1419.2	1701.0	2391.2	2673.0	2722.1	1832.8
52.5°	2393.8	2370.5	2259.4	2034.5	1706.2	1556.2	1863.9	2688.5	3001.3	3029.7	1987.9
55°	2639.4	2603.2	2463.6	2205.1	1889.7	1732.0	2117.2	2975.4	3280.5	3301.2	2158.6
57.5°	2895.3	2861.7	2683.3	2393.8	2075.8	1982.8	2396.4	3290.8	3670.8	3725.1	2419.6
60°	2939.2	2921.2	2791.9	2569.6	2282.6	2254.2	2737.6	3707.0	4100.0	4102.5	2639.4
62.5°	2885.0	2877.2	2758.3	2605.8	2440.3	2536.0	3192.6	4102.5	4410.2	4381.7	2835.8
65°	2623.9	2595.4	2595.4	2520.5	2481.7	2791.9	3593.3	4477.4	4805.7	4717.8	3022.0
67.5°	2081.0	2083.6	2137.9	2215.4	2318.8	2838.4	3846.6	4808.3	4997.0	4808.3	3042.7
70°	1465.7	1504.5	1620.9	1794.1	1998.3	2629.0	3859.5	4769.5	4880.7	4694.5	2908.2
72.5°	1072.8	1041.8	1132.3	1290.0	1597.6	2262.0	3528.7	4399.8	4405.0	4131.0	2517.9
75°	726.4	729.0	793.6	930.6	1160.7	1840.6	3065.9	3810.4	3794.9	3479.5	2099.1
77.5°	483.4	488.6	548.0	656.6	873.8	1476.1	2564.4	3151.2	3081.4	2866.9	1682.9
80°	330.9	343.8	377.4	455.0	635.9	1168.5	2104.3	2585.1	2528.2	2321.4	1357.2
82.5°	237.8	240.4	274.0	333.5	455.0	894.4	1713.9	2168.9	2091.3	1869.0	1083.2
85°	181.0	181.0	204.2	245.6	328.3	682.5	1367.5	1726.8	1657.0	1445.1	809.1
87.5°	131.8	134.4	149.9	186.1	243.0	517.0	1049.5	1240.8	1129.7	997.8	555.8
90°	85.3	90.5	100.8	134.4	181.0	367.1	731.6	811.7	736.8	617.8	359.3
92.5°	54.3	54.3	64.6	90.5	131.8	250.8	460.1	480.8	416.2	377.4	219.7
95°	36.2	38.8	46.5	62.0	93.1	170.6	276.6	279.2	245.6	206.8	139.6
97.5°	31.0	31.0	36.2	46.5	69.8	116.3	162.9	157.7	142.2	126.7	98.2
100°	25.9	25.9	31.0	38.8	56.9	85.3	103.4	100.8	93.1	90.5	77.6
102.5°	23.3	23.3	25.9	33.6	46.5	67.2	75.0	69.8	67.2	67.2	59.5
105°	20.7	20.7	23.3	28.4	38.8	54.3	56.9	51.7	51.7	49.1	46.5
107.5°	18.1	18.1	20.7	23.3	33.6	43.9	43.9	38.8	38.8	38.8	38.8
110°	18.1	18.1	18.1	20.7	28.4	36.2	36.2	31.0	31.0	28.4	31.0

REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	15.5	15.5	15.5	20.7	25.9	31.0	28.4	25.9	23.3	23.3	25.9
115°	15.5	12.9	15.5	18.1	23.3	25.9	25.9	20.7	20.7	20.7	23.3
117.5°	12.9	12.9	12.9	15.5	20.7	23.3	20.7	18.1	18.1	18.1	20.7
120°	12.9	12.9	12.9	15.5	20.7	20.7	18.1	15.5	15.5	15.5	18.1
122.5°	12.9	12.9	12.9	15.5	18.1	18.1	18.1	15.5	15.5	15.5	18.1
125°	12.9	12.9	12.9	15.5	18.1	18.1	15.5	12.9	12.9	12.9	18.1
127.5°	12.9	12.9	12.9	15.5	15.5	15.5	12.9	12.9	12.9	12.9	15.5
130°	12.9	12.9	12.9	15.5	15.5	12.9	12.9	12.9	12.9	12.9	15.5
132.5°	12.9	12.9	12.9	15.5	15.5	12.9	12.9	10.3	12.9	12.9	15.5
135°	12.9	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9
137.5°	12.9	12.9	12.9	12.9	12.9	10.3	7.8	10.3	10.3	10.3	12.9
140°	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	7.8	10.3	10.3
142.5°	10.3	10.3	10.3	10.3	7.8	7.8	5.2	7.8	7.8	7.8	10.3
145°	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8	7.8
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2
150°	5.2	5.2	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2
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: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	186.1	183.5	183.5	181.0	178.4	178.4	178.4	178.4	175.8	175.8	175.8
5°	191.3	188.7	183.5	178.4	173.2	168.0	168.0	165.4	165.4	162.9	160.3
7.5°	201.6	196.5	186.1	178.4	170.6	162.9	160.3	157.7	155.1	152.5	152.5
10°	222.3	212.0	196.5	181.0	168.0	157.7	152.5	149.9	147.4	144.8	144.8
12.5°	253.3	243.0	217.1	191.3	170.6	157.7	149.9	147.4	144.8	144.8	144.8
15°	305.0	286.9	248.2	212.0	178.4	160.3	152.5	155.1	160.3	160.3	160.3
17.5°	364.5	341.2	284.4	235.2	193.9	173.2	168.0	173.2	178.4	181.0	181.0
20°	434.3	398.1	323.1	258.5	212.0	196.5	191.3	196.5	204.2	209.4	209.4
22.5°	522.2	465.3	364.5	281.8	235.2	219.7	217.1	222.3	232.7	243.0	240.4
25°	623.0	548.0	411.0	307.6	266.3	245.6	248.2	258.5	276.6	286.9	292.1
27.5°	734.2	633.3	457.6	343.8	294.7	274.0	279.2	297.3	325.7	343.8	343.8
30°	853.1	716.1	504.1	380.0	325.7	302.5	312.8	346.4	377.4	400.7	400.7
32.5°	969.4	796.2	540.3	421.4	359.3	330.9	346.4	390.3	431.7	457.6	460.1
35°	1059.9	845.3	558.4	452.4	387.8	354.2	374.8	436.9	491.2	519.6	522.2
37.5°	1111.6	860.8	561.0	475.7	411.0	374.8	403.3	475.7	535.1	563.6	563.6
40°	1103.8	829.8	542.9	488.6	426.5	392.9	429.1	511.8	571.3	592.0	586.8
42.5°	1119.3	816.9	529.9	483.4	431.7	403.3	444.6	529.9	579.1	586.8	581.6
45°	1137.4	798.8	517.0	478.2	429.1	408.4	452.4	529.9	571.3	568.7	563.6
47.5°	1186.6	796.2	509.3	475.7	426.5	405.9	452.4	527.4	558.4	545.5	540.3
50°	1253.8	806.5	504.1	470.5	424.0	400.7	447.2	522.2	550.6	537.7	532.5
52.5°	1315.8	811.7	493.8	465.3	421.4	398.1	444.6	522.2	545.5	519.6	511.8
55°	1395.9	837.6	480.8	455.0	416.2	392.9	442.1	517.0	522.2	491.2	486.0
57.5°	1543.3	886.7	470.5	442.1	408.4	390.3	436.9	498.9	506.7	478.2	470.5
60°	1651.9	922.9	460.1	431.7	395.5	382.6	424.0	488.6	491.2	452.4	444.6
62.5°	1747.5	948.7	442.1	418.8	387.8	374.8	411.0	465.3	457.6	424.0	421.4
65°	1840.6	969.4	429.1	400.7	372.3	359.3	395.5	434.3	436.9	408.4	403.3
67.5°	1822.5	948.7	403.3	380.0	354.2	341.2	367.1	413.6	416.2	395.5	390.3
70°	1713.9	878.9	372.3	356.7	328.3	315.4	338.6	385.2	392.9	377.4	374.8
72.5°	1483.8	760.0	330.9	323.1	299.9	286.9	310.2	349.0	361.9	349.0	343.8
75°	1248.6	641.1	294.7	286.9	271.4	258.5	276.6	312.8	328.3	325.7	325.7
77.5°	1000.4	514.4	261.1	255.9	243.0	232.7	248.2	279.2	299.9	302.5	297.3
80°	804.0	418.8	230.1	227.5	219.7	212.0	219.7	245.6	268.8	274.0	271.4
82.5°	646.3	349.0	204.2	204.2	196.5	191.3	196.5	219.7	248.2	258.5	255.9
85°	496.3	286.9	183.5	181.0	175.8	173.2	178.4	193.9	224.9	237.8	237.8
87.5°	361.9	227.5	162.9	157.7	155.1	155.1	157.7	173.2	201.6	212.0	209.4
90°	250.8	175.8	139.6	134.4	131.8	134.4	139.6	152.5	173.2	175.8	175.8
92.5°	170.6	134.4	116.3	111.2	111.2	116.3	121.5	131.8	144.8	142.2	139.6
95°	118.9	100.8	93.1	90.5	90.5	95.6	100.8	111.2	118.9	113.7	111.2
97.5°	87.9	80.1	77.6	75.0	72.4	80.1	82.7	87.9	95.6	93.1	90.5
100°	69.8	67.2	64.6	62.0	59.5	64.6	67.2	72.4	77.6	72.4	72.4
102.5°	56.9	56.9	54.3	51.7	51.7	54.3	56.9	59.5	62.0	59.5	56.9
105°	46.5	46.5	46.5	43.9	43.9	46.5	49.1	49.1	51.7	46.5	46.5
107.5°	38.8	38.8	41.4	38.8	38.8	41.4	41.4	41.4	41.4	38.8	38.8
110°	33.6	33.6	33.6	33.6	33.6	36.2	36.2	36.2	36.2	33.6	31.0

REPORT NUMBER: P695966
 CATALOG NUMBER: LXF.LXT-PA16-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.4	28.4	28.4	28.4	28.4	31.0	31.0	31.0	31.0	28.4	28.4
115°	23.3	25.9	25.9	25.9	25.9	25.9	28.4	25.9	25.9	25.9	25.9
117.5°	20.7	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
120°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	23.3	23.3
122.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	20.7	20.7	20.7
125°	18.1	18.1	18.1	18.1	15.5	15.5	18.1	18.1	18.1	18.1	18.1
127.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	18.1
130°	15.5	15.5	15.5	15.5	12.9	12.9	12.9	15.5	15.5	15.5	15.5
132.5°	15.5	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	15.5	15.5
135°	12.9	12.9	12.9	12.9	10.3	10.3	12.9	12.9	12.9	12.9	12.9
137.5°	12.9	12.9	10.3	10.3	10.3	10.3	10.3	10.3	12.9	12.9	12.9
140°	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3	10.3	10.3
142.5°	10.3	7.8	7.8	7.8	5.2	5.2	7.8	10.3	10.3	10.3	10.3
145°	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8	7.8	7.8	7.8
147.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8	7.8
150°	5.2	5.2	5.2	2.6	2.6	2.6	5.2	7.8	7.8	5.2	5.2
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)