

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: P695989

Luminaire Tested: **LXF.LXT-PA16-750-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7150 lumens
Efficiency: N/A
Efficacy: 99.3 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: B2 - U3 - G3

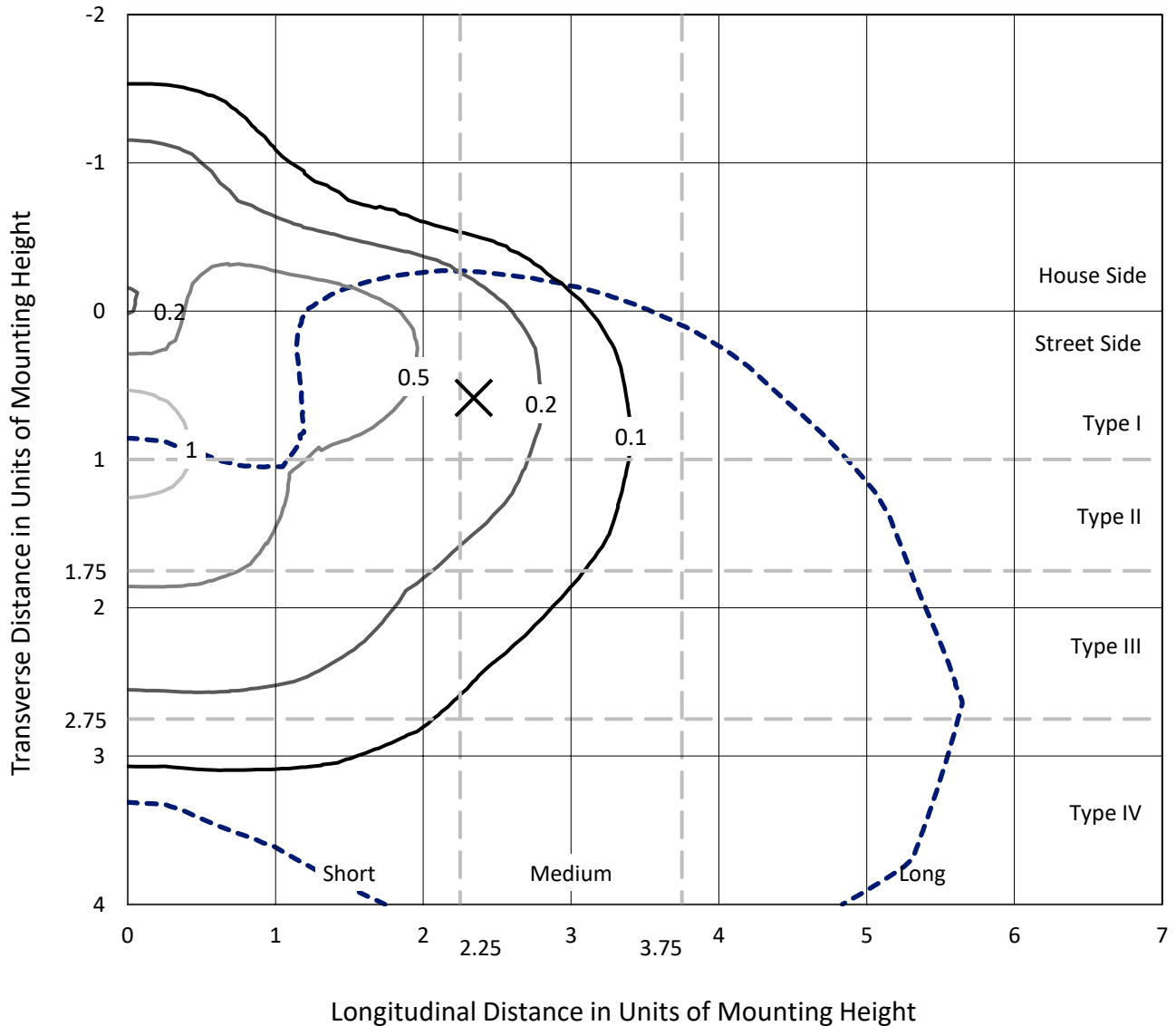
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

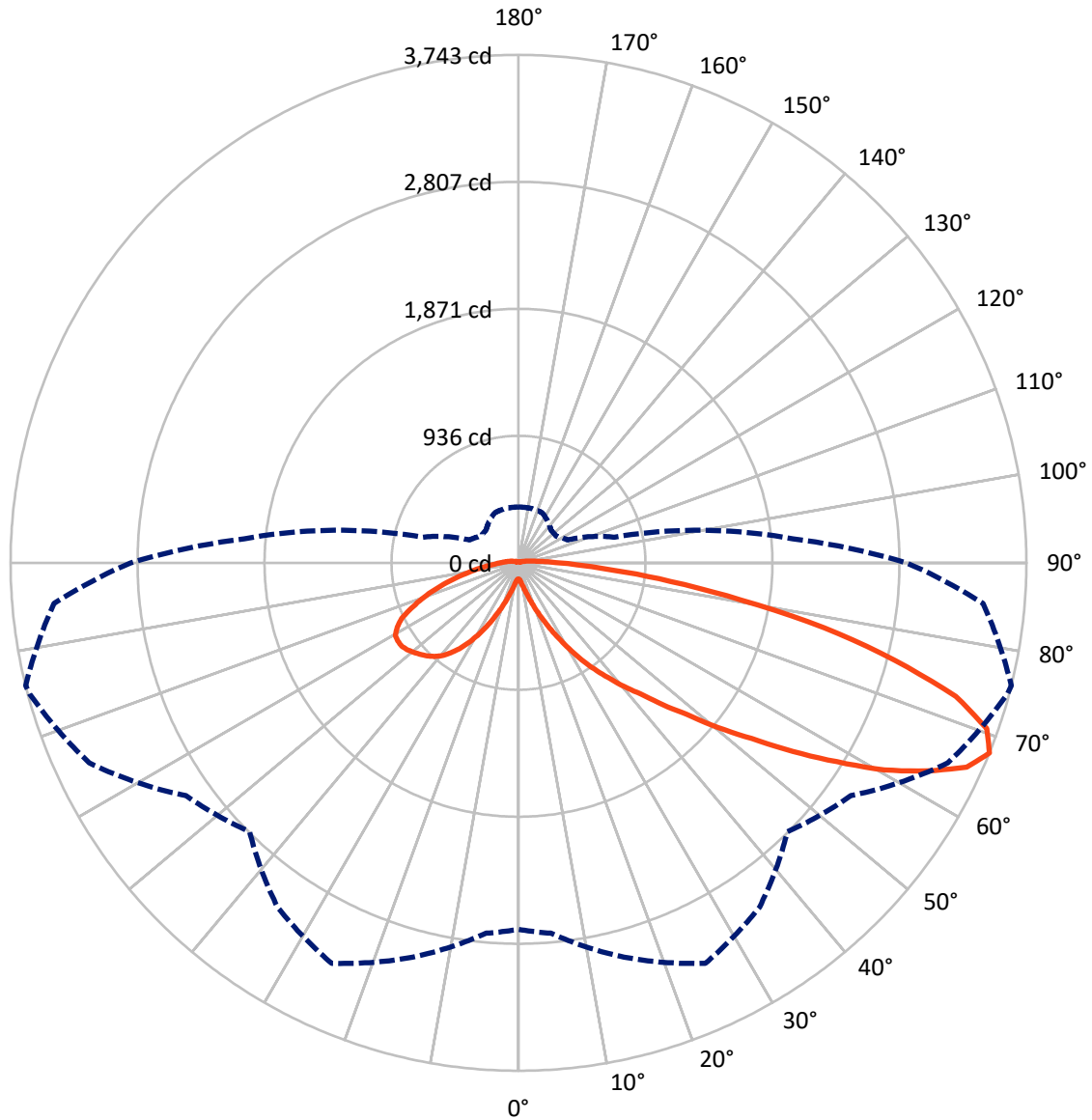
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695989
CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

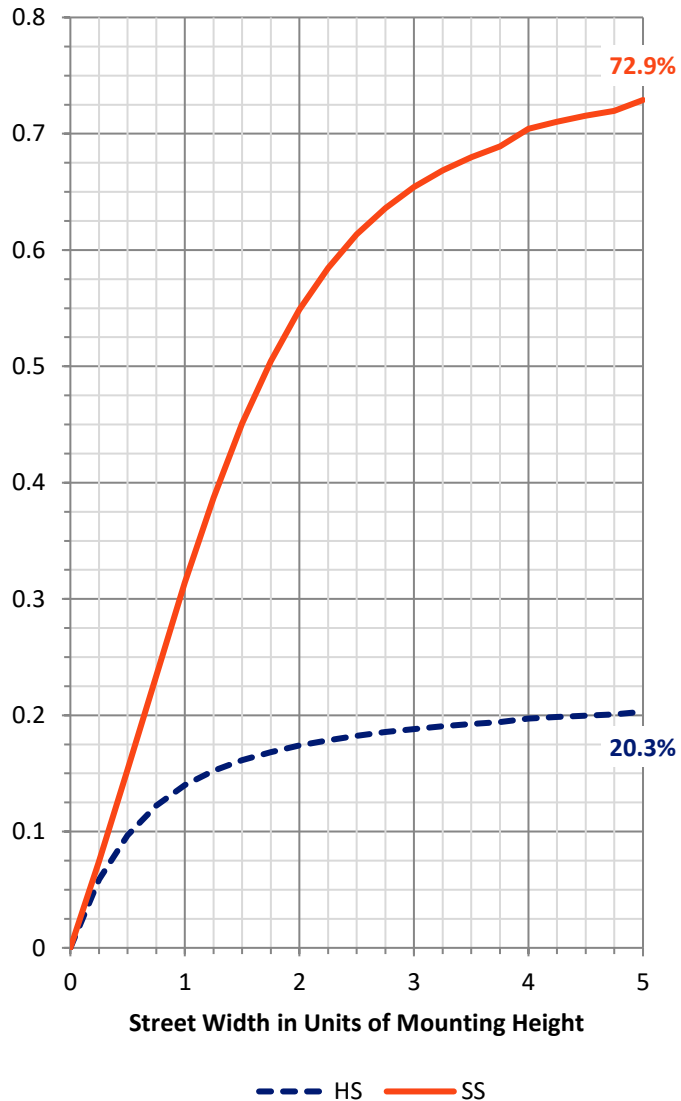
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1531.2	123.5	1654.7
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	5370.5	124.8	5495.3
	% Fixture	75.1	1.7	76.9
Total	Lumens	6901.7	248.3	7150.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	70.6	1.0
20°-30°	223.1	3.1
30°-40°	497.4	7.0
40°-50°	853.6	11.9
50°-60°	1331.6	18.6
60°-70°	1823.2	25.5
70°-80°	1528.0	21.4
80°-90°	560.7	7.8
90°-100°	141.2	2.0
100°-110°	53.7	0.8
110°-120°	25.7	0.4
120°-130°	14.5	0.2
130°-140°	8.5	0.1
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6901.7	96.5
0°-180°	7150.0	100.0

Coefficient of Utilization



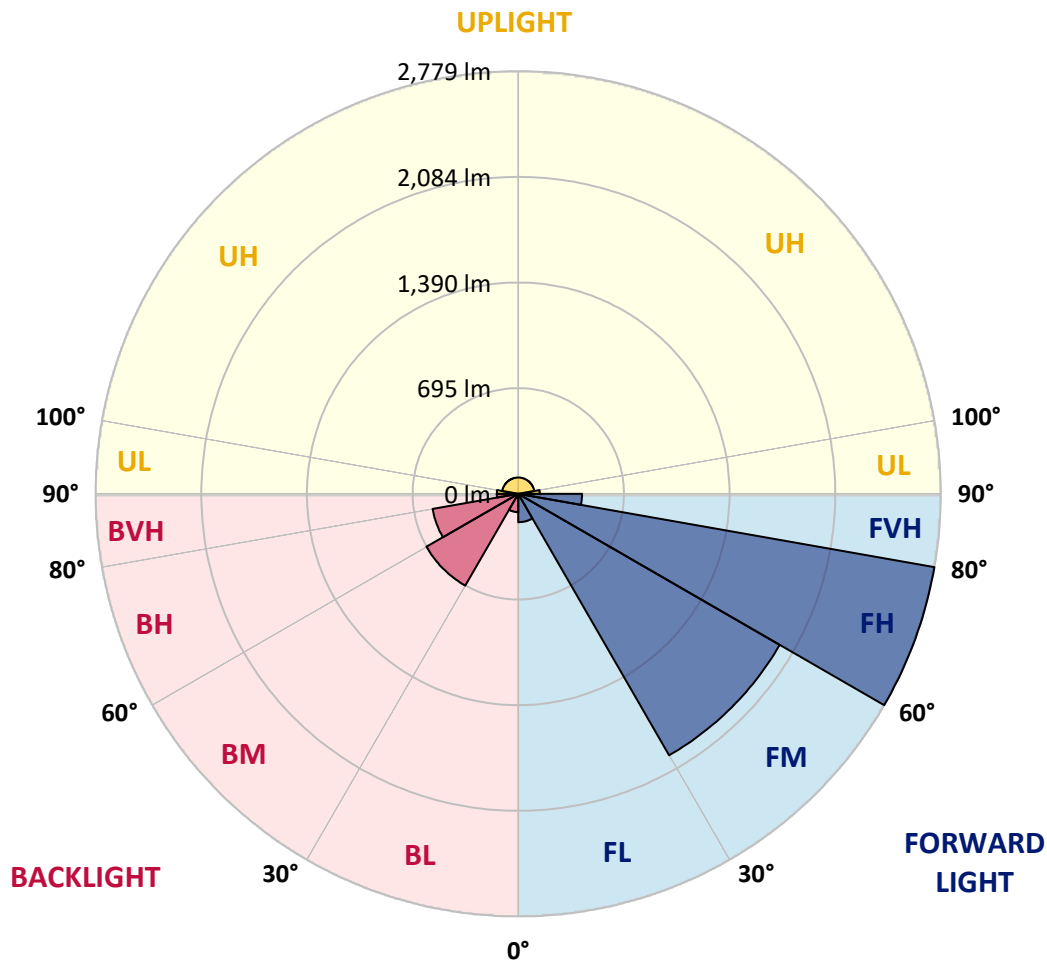
REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.7	2.6			
FM (30°-60°)	1985.4	27.8			
FH (60°-80°)	2779.3	38.9			G2/5000
FVH (80°-90°)	419.2	5.9			G3/500
BL (0°-30°)	120.6	1.7	B1/500		
BM (30°-60°)	697.2	9.8	B1/1000		
BH (60°-80°)	571.9	8.0	B2/1000		G2/1000
BVH (80°-90°)	141.5	2.0			G2/225
UL (90°-100°)	141.2	2.0		U3/500	
UH (100°-180°)	107.0	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9
2.5°	126.6	126.6	126.6	126.6	129.2	126.6	126.6	124.1	124.1	121.5	121.5
5°	144.7	144.7	144.7	144.7	144.7	142.2	139.6	137.0	134.4	131.8	131.8
7.5°	170.6	170.6	170.6	168.0	165.4	162.8	160.2	155.1	149.9	149.9	144.7
10°	206.8	206.8	206.8	204.2	196.4	191.3	186.1	178.3	175.8	173.2	168.0
12.5°	255.9	255.9	250.7	245.5	235.2	227.4	219.7	211.9	209.3	206.8	199.0
15°	317.9	315.3	310.1	294.6	284.3	271.4	263.6	255.9	248.1	248.1	245.5
17.5°	392.9	390.3	377.3	356.7	341.2	320.5	310.1	305.0	305.0	302.4	297.2
20°	483.3	483.3	465.2	434.2	403.2	377.3	369.6	367.0	367.0	369.6	361.8
22.5°	599.6	597.0	571.2	519.5	475.6	442.0	434.2	434.2	442.0	442.0	439.4
25°	728.8	726.3	679.7	622.9	553.1	516.9	498.8	511.7	529.8	532.4	535.0
27.5°	886.5	876.2	821.9	734.0	643.6	586.7	573.8	594.5	630.6	628.0	633.2
30°	1049.3	1044.2	969.2	860.7	739.2	661.6	651.3	690.1	731.4	734.0	746.9
32.5°	1240.6	1212.2	1142.4	997.6	837.4	741.8	726.3	783.1	845.2	850.3	863.2
35°	1431.8	1429.3	1315.5	1145.0	940.8	816.7	803.8	871.0	958.9	961.5	979.6
37.5°	1625.7	1615.4	1506.8	1289.7	1054.5	902.0	881.3	969.2	1067.4	1072.6	1098.4
40°	1829.9	1816.9	1700.6	1444.8	1173.4	995.1	971.8	1075.2	1188.9	1199.2	1230.3
42.5°	2008.2	2005.6	1894.5	1615.4	1289.7	1085.5	1070.0	1181.1	1315.5	1320.7	1367.2
45°	2204.6	2171.0	2067.7	1785.9	1434.4	1196.7	1181.1	1318.1	1470.6	1491.3	1530.1
47.5°	2359.7	2344.2	2248.6	1972.0	1581.8	1318.1	1302.6	1465.4	1651.5	1669.6	1703.2
50°	2517.4	2499.3	2414.0	2147.8	1742.0	1460.3	1457.7	1651.5	1879.0	1907.4	1943.6
52.5°	2646.6	2636.3	2584.6	2336.4	1912.6	1602.4	1630.9	1871.2	2129.7	2150.4	2186.5
55°	2768.1	2760.3	2750.0	2545.8	2116.8	1791.1	1814.4	2116.8	2414.0	2452.8	2509.6
57.5°	2858.5	2871.5	2892.1	2750.0	2331.3	1979.8	2028.9	2416.6	2729.3	2765.5	2822.3
60°	2920.6	2941.2	3016.2	2954.2	2556.1	2189.1	2292.5	2693.1	3057.5	3098.9	3127.3
62.5°	2928.3	2961.9	3114.4	3127.3	2768.1	2408.8	2525.1	2987.8	3370.3	3378.0	3344.4
65°	2868.9	2894.7	3109.2	3233.3	2956.7	2623.3	2781.0	3290.2	3610.6	3628.7	3473.7
67.5°	2700.9	2739.6	3008.4	3256.6	3096.3	2801.7	2990.3	3489.2	3729.5	3742.5	3434.9
70°	2388.1	2457.9	2778.4	3122.2	3124.7	2899.9	3127.3	3574.5	3675.3	3659.7	3202.3
72.5°	2010.8	2028.9	2383.0	2843.0	3016.2	2897.3	3111.8	3471.1	3398.7	3370.3	2768.1
75°	1470.6	1519.7	1850.5	2411.4	2757.7	2726.7	2928.3	3163.5	2915.4	2863.7	2256.3
77.5°	995.1	1046.7	1307.8	1850.5	2320.9	2421.7	2592.3	2662.1	2346.8	2302.8	1654.1
80°	625.5	661.6	845.2	1292.3	1819.5	1977.2	2106.4	2062.5	1703.2	1661.9	1176.0
82.5°	348.9	367.0	516.9	842.6	1281.9	1504.2	1605.0	1496.5	1173.4	1126.9	762.4
85°	183.5	206.8	292.1	511.7	855.5	1070.0	1150.1	989.9	721.1	705.6	475.6
87.5°	100.8	111.1	168.0	307.6	529.8	726.3	762.4	622.9	447.1	426.5	302.4
90°	62.0	67.2	98.2	183.5	328.2	454.9	478.1	390.3	279.1	274.0	201.6
92.5°	41.4	43.9	67.2	118.9	206.8	292.1	307.6	242.9	183.5	178.3	144.7
95°	31.0	33.6	51.7	85.3	142.2	199.0	196.4	165.4	124.1	121.5	106.0
97.5°	25.8	28.4	43.9	67.2	103.4	134.4	134.4	108.6	90.5	90.5	82.7
100°	23.3	23.3	36.2	54.3	77.5	98.2	98.2	80.1	67.2	67.2	62.0
102.5°	20.7	20.7	31.0	46.5	62.0	77.5	75.0	62.0	51.7	51.7	49.1
105°	18.1	18.1	28.4	38.8	51.7	62.0	59.4	49.1	41.4	38.8	36.2
107.5°	15.5	15.5	23.3	33.6	46.5	51.7	49.1	41.4	31.0	31.0	28.4
110°	15.5	15.5	20.7	31.0	38.8	43.9	41.4	33.6	25.8	25.8	23.3

REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	12.9	12.9	18.1	25.8	33.6	38.8	36.2	28.4	20.7	20.7	20.7
115°	12.9	12.9	15.5	23.3	28.4	33.6	31.0	23.3	18.1	18.1	18.1
117.5°	12.9	12.9	15.5	20.7	25.8	28.4	25.8	20.7	15.5	15.5	15.5
120°	10.3	10.3	12.9	18.1	23.3	25.8	23.3	18.1	12.9	12.9	15.5
122.5°	10.3	10.3	12.9	15.5	20.7	23.3	20.7	15.5	12.9	12.9	12.9
125°	10.3	10.3	12.9	15.5	18.1	20.7	18.1	12.9	12.9	12.9	12.9
127.5°	10.3	10.3	10.3	12.9	15.5	18.1	15.5	12.9	10.3	10.3	12.9
130°	10.3	10.3	10.3	12.9	15.5	15.5	12.9	10.3	10.3	10.3	12.9
132.5°	10.3	10.3	10.3	10.3	12.9	12.9	12.9	10.3	10.3	10.3	10.3
135°	10.3	10.3	10.3	10.3	12.9	12.9	10.3	10.3	10.3	10.3	10.3
137.5°	10.3	7.8	7.8	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3
140°	7.8	7.8	7.8	7.8	10.3	10.3	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	5.2	7.8	7.8	5.2	5.2	5.2	7.8	7.8
147.5°	5.2	5.2	5.2	5.2	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	5.2	5.2	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: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9
2.5°	121.5	118.9	118.9	118.9	118.9	116.3	116.3	116.3	116.3	113.7	116.3
5°	129.2	129.2	126.6	121.5	121.5	118.9	118.9	116.3	116.3	113.7	113.7
7.5°	144.7	142.2	137.0	134.4	129.2	126.6	124.1	121.5	121.5	118.9	118.9
10°	165.4	162.8	155.1	149.9	144.7	139.6	137.0	134.4	131.8	129.2	129.2
12.5°	196.4	191.3	183.5	170.6	165.4	157.7	152.5	149.9	149.9	149.9	147.3
15°	240.4	232.6	219.7	204.2	188.7	178.3	175.8	175.8	175.8	178.3	178.3
17.5°	292.1	281.7	266.2	240.4	219.7	206.8	204.2	204.2	206.8	211.9	211.9
20°	356.7	343.7	320.5	286.9	255.9	237.8	232.6	237.8	248.1	250.7	250.7
22.5°	431.6	421.3	382.5	333.4	294.6	271.4	266.2	271.4	284.3	294.6	297.2
25°	522.1	506.6	452.3	387.7	333.4	305.0	297.2	310.1	328.2	343.7	343.7
27.5°	622.9	604.8	529.8	444.5	372.2	333.4	325.7	343.7	374.8	392.9	395.4
30°	731.4	703.0	604.8	498.8	405.8	359.3	354.1	379.9	416.1	439.4	442.0
32.5°	850.3	803.8	682.3	547.9	436.8	377.3	374.8	408.4	452.3	480.7	483.3
35°	961.5	909.8	752.1	584.1	457.5	390.3	390.3	429.0	480.7	509.2	511.7
37.5°	1070.0	1002.8	811.6	612.5	467.8	395.4	398.0	444.5	496.2	524.7	527.3
40°	1188.9	1103.6	863.2	625.5	470.4	398.0	403.2	452.3	498.8	527.3	527.3
42.5°	1313.0	1209.6	896.8	625.5	465.2	395.4	400.6	449.7	493.7	514.3	516.9
45°	1457.7	1323.3	920.1	615.1	454.9	387.7	395.4	444.5	478.1	488.5	491.1
47.5°	1623.1	1442.2	938.2	599.6	442.0	379.9	390.3	431.6	460.1	460.1	460.1
50°	1832.5	1576.6	953.7	573.8	426.5	372.2	382.5	421.3	436.8	431.6	431.6
52.5°	2059.9	1723.9	964.0	547.9	410.9	361.8	374.8	410.9	418.7	405.8	405.8
55°	2313.2	1897.1	964.0	522.1	395.4	354.1	369.6	400.6	403.2	390.3	385.1
57.5°	2556.1	2034.1	951.1	493.7	379.9	346.3	364.4	395.4	395.4	382.5	379.9
60°	2773.2	2160.7	930.4	467.8	369.6	341.2	364.4	392.9	392.9	382.5	382.5
62.5°	2928.3	2202.0	878.8	444.5	359.3	341.2	367.0	395.4	398.0	392.9	390.3
65°	2967.1	2181.4	819.3	418.7	348.9	338.6	372.2	403.2	405.8	403.2	403.2
67.5°	2858.5	2028.9	728.8	398.0	341.2	338.6	374.8	408.4	410.9	410.9	410.9
70°	2576.8	1801.4	646.1	374.8	333.4	336.0	379.9	413.5	413.5	413.5	413.5
72.5°	2178.8	1512.0	560.9	354.1	320.5	330.8	379.9	410.9	410.9	408.4	408.4
75°	1721.3	1196.7	480.7	333.4	305.0	320.5	374.8	403.2	400.6	398.0	395.4
77.5°	1274.2	889.1	403.2	305.0	286.9	307.6	359.3	385.1	382.5	379.9	374.8
80°	878.8	620.3	336.0	276.5	263.6	286.9	336.0	359.3	356.7	351.5	351.5
82.5°	571.2	426.5	271.4	242.9	237.8	263.6	310.1	328.2	323.1	317.9	315.3
85°	369.6	289.5	217.1	206.8	211.9	235.2	271.4	286.9	284.3	279.1	274.0
87.5°	242.9	206.8	170.6	170.6	180.9	206.8	232.6	240.4	237.8	237.8	232.6
90°	170.6	155.1	139.6	142.2	155.1	178.3	191.3	193.8	191.3	193.8	188.7
92.5°	126.6	118.9	113.7	118.9	131.8	149.9	157.7	152.5	155.1	155.1	152.5
95°	98.2	95.6	95.6	100.8	113.7	126.6	129.2	121.5	126.6	126.6	124.1
97.5°	77.5	77.5	80.1	85.3	95.6	106.0	106.0	100.8	103.4	103.4	103.4
100°	62.0	62.0	67.2	72.4	82.7	90.5	87.9	82.7	85.3	82.7	80.1
102.5°	49.1	51.7	56.9	62.0	69.8	75.0	75.0	69.8	69.8	67.2	67.2
105°	38.8	41.4	46.5	54.3	59.4	64.6	64.6	59.4	54.3	51.7	51.7
107.5°	31.0	33.6	38.8	43.9	51.7	54.3	54.3	49.1	43.9	38.8	38.8
110°	25.8	28.4	33.6	38.8	43.9	46.5	46.5	41.4	36.2	31.0	31.0

REPORT NUMBER: P695989
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	23.3	28.4	33.6	36.2	38.8	38.8	36.2	28.4	25.8	25.8
115°	18.1	20.7	23.3	28.4	31.0	33.6	33.6	28.4	23.3	20.7	20.7
117.5°	18.1	18.1	20.7	25.8	28.4	31.0	28.4	25.8	20.7	18.1	18.1
120°	15.5	18.1	20.7	20.7	25.8	25.8	25.8	20.7	18.1	18.1	18.1
122.5°	15.5	15.5	18.1	20.7	20.7	23.3	23.3	18.1	15.5	15.5	15.5
125°	12.9	15.5	15.5	18.1	20.7	20.7	20.7	15.5	15.5	15.5	15.5
127.5°	12.9	12.9	15.5	15.5	18.1	18.1	18.1	15.5	12.9	12.9	12.9
130°	12.9	12.9	12.9	12.9	15.5	15.5	15.5	12.9	12.9	12.9	12.9
132.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	10.3	12.9	12.9
135°	10.3	10.3	10.3	10.3	12.9	12.9	10.3	10.3	10.3	10.3	10.3
137.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
140°	10.3	10.3	10.3	7.8	10.3	10.3	7.8	7.8	7.8	10.3	10.3
142.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	5.2	5.2	7.8	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	5.2	5.2	7.8	5.2
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	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

(END OF REPORT)