

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: P695081

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4120.1 lumens  
Efficiency: N/A  
Efficacy: 102.5 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

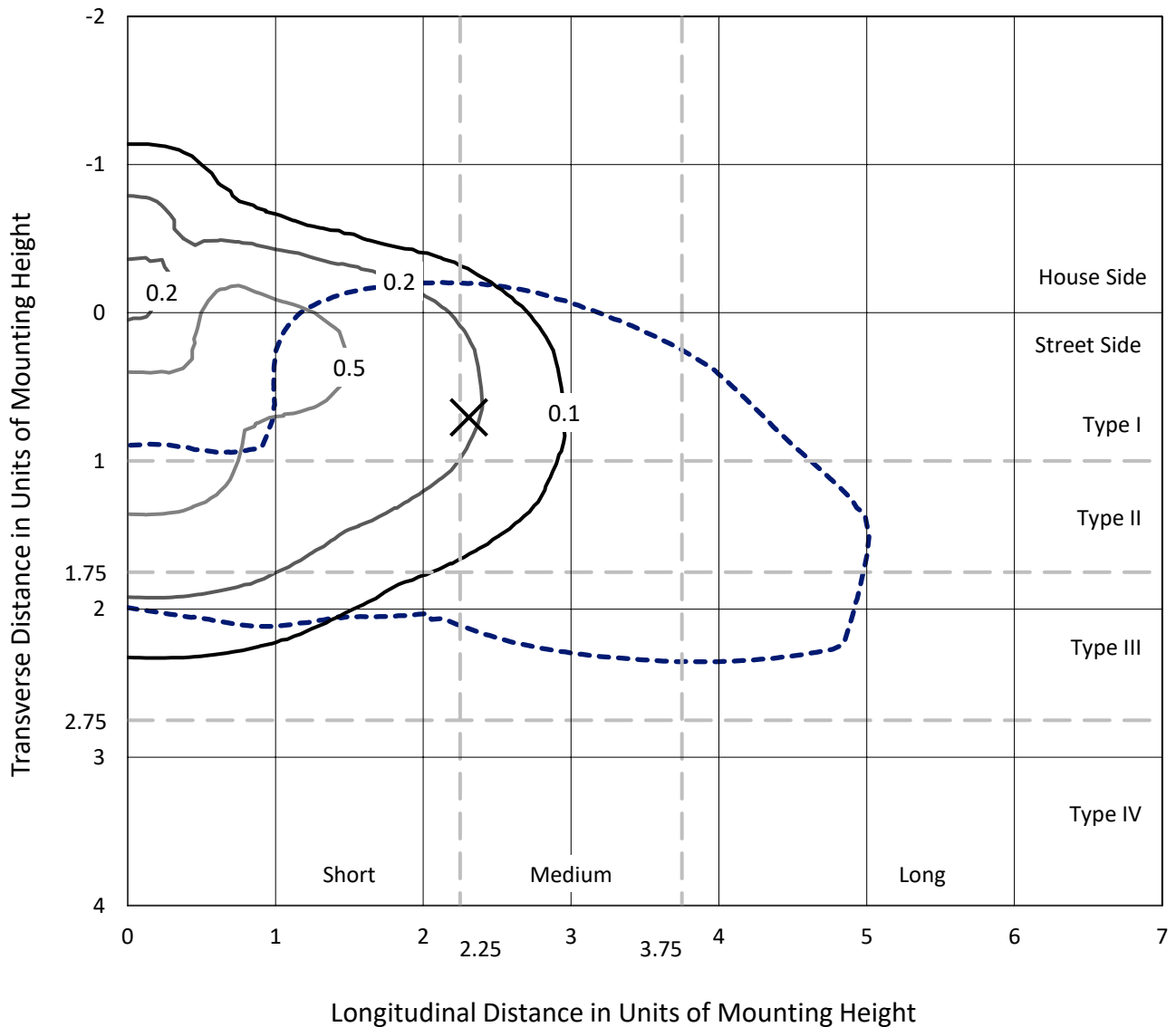
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

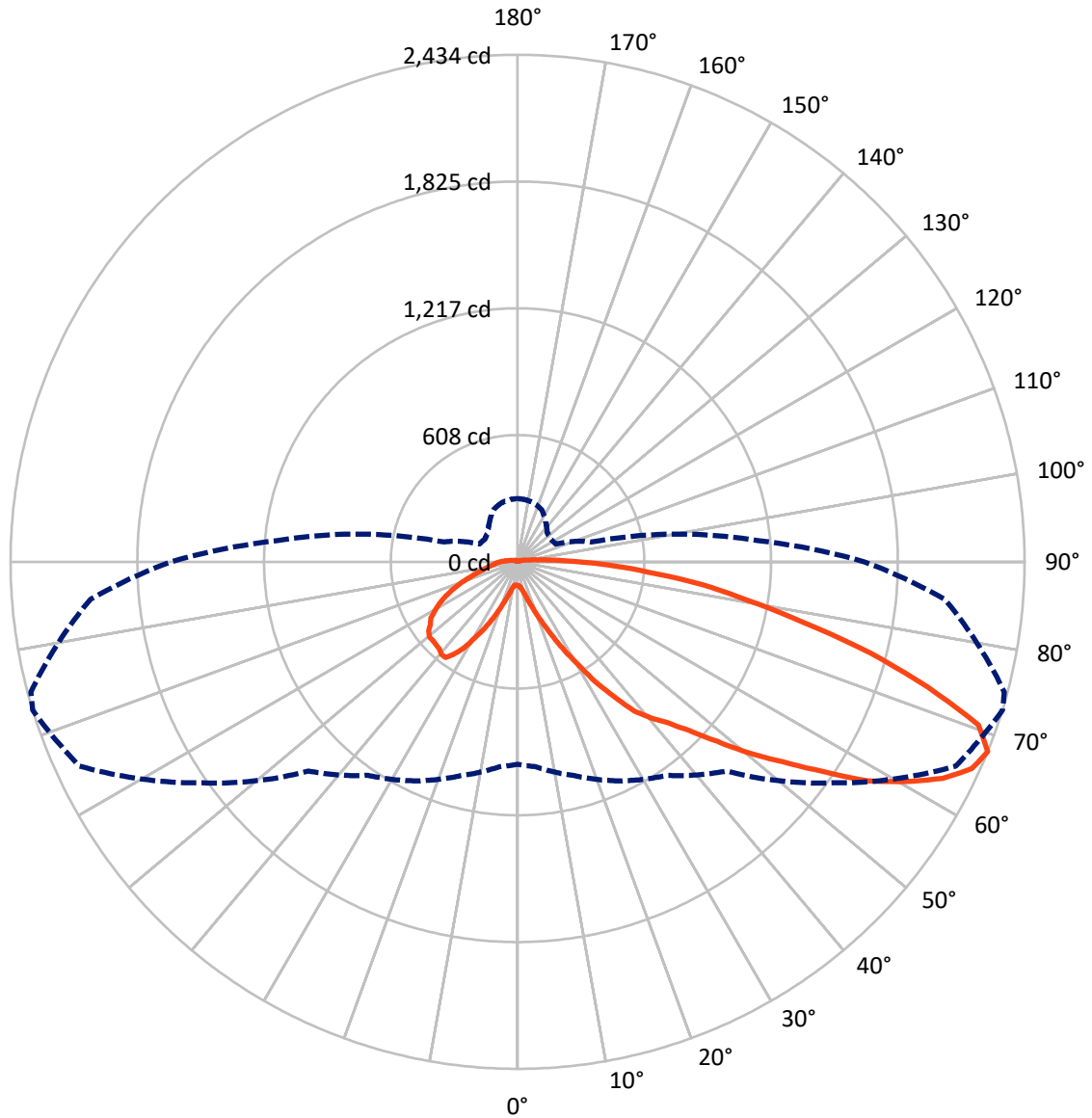
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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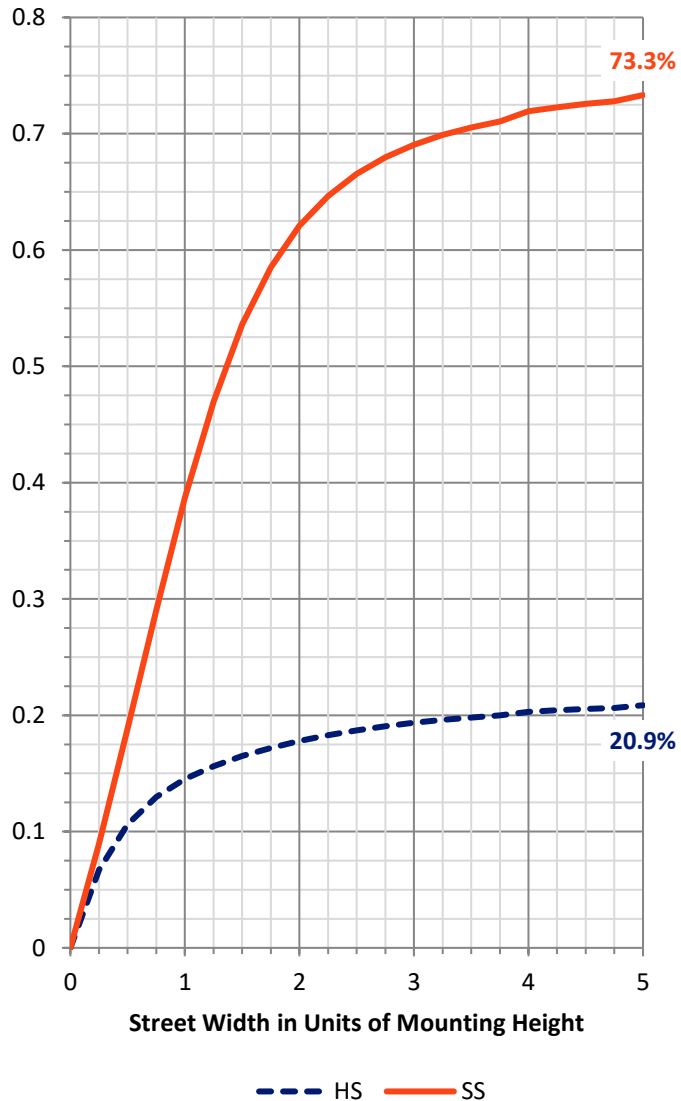
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	901.6	67.4	969.0
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	3082.0	69.0	3151.1
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	3983.6	136.4	4120.1
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	0.3
10°-20°	50.6	1.2
20°-30°	155.8	3.8
30°-40°	358.8	8.7
40°-50°	581.4	14.1
50°-60°	862.5	20.9
60°-70°	1004.3	24.4
70°-80°	689.8	16.7
80°-90°	268.7	6.5
90°-100°	76.3	1.9
100°-110°	27.9	0.7
110°-120°	14.3	0.3
120°-130°	9.0	0.2
130°-140°	6.0	0.1
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3983.6	96.7
0°-180°	4120.1	100.0

**Coefficient of Utilization**

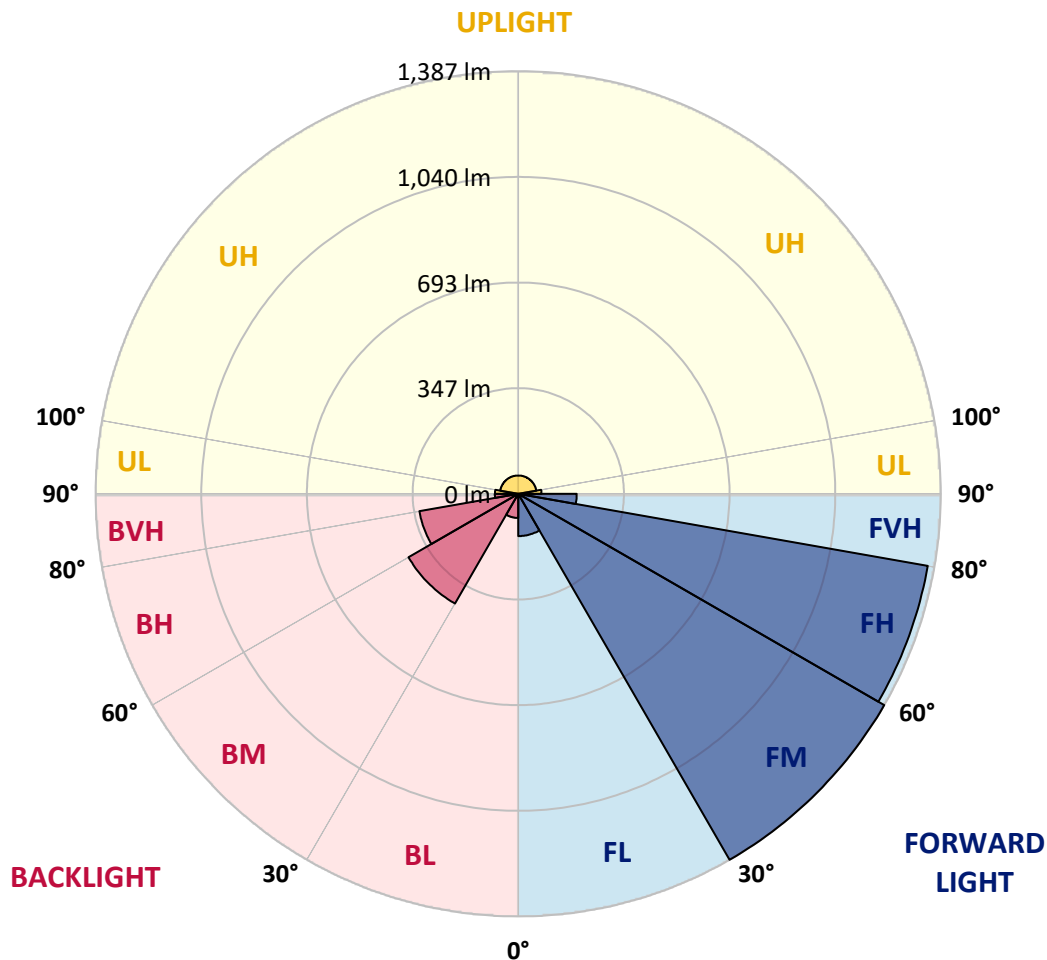


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 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.7	3.4			
FM (30°-60°)	1386.9	33.7			
FH (60°-80°)	1364.6	33.1			G1/1800
FVH (80°-90°)	191.7	4.7			G2/225
BL (0°-30°)	79.3	1.9	B0/110		
BM (30°-60°)	415.8	10.1	B1/1000		
BH (60°-80°)	329.5	8.0	B1/500		G1/500
BVH (80°-90°)	77.0	1.9			G1/100
UL (90°-100°)	76.3	1.9		U3/500	
UH (100°-180°)	60.2	1.5		U3/500	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	119.4	120.9	120.9	120.9	120.9	119.4	117.9	116.4	116.4	115.0	113.5
5°	134.4	134.4	132.9	132.9	131.4	129.9	126.9	123.9	120.9	120.9	117.9
7.5°	147.8	149.3	149.3	146.3	144.8	141.8	137.3	132.9	129.9	128.4	123.9
10°	168.7	170.2	168.7	165.7	162.7	158.3	152.3	147.8	143.3	140.3	135.9
12.5°	197.1	197.1	195.6	189.6	183.6	179.2	173.2	168.7	162.7	162.7	156.8
15°	231.4	232.9	228.4	223.9	215.0	207.5	200.1	197.1	194.1	194.1	186.6
17.5°	274.7	276.2	270.2	258.3	247.8	241.9	237.4	232.9	229.9	229.9	222.4
20°	338.9	329.9	328.4	303.1	291.1	282.2	279.2	276.2	277.7	274.7	270.2
22.5°	410.6	404.6	395.6	365.8	343.4	329.9	325.5	327.0	331.4	331.4	329.9
25°	495.7	497.1	474.8	437.4	403.1	383.7	382.2	397.1	401.6	404.6	403.1
27.5°	592.7	598.7	562.8	522.5	474.8	441.9	444.9	470.3	485.2	486.7	485.2
30°	718.1	721.1	676.3	613.6	546.4	509.1	518.0	553.9	570.3	576.3	579.3
32.5°	861.4	861.4	810.7	728.6	628.5	576.3	585.2	647.9	686.7	685.3	694.2
35°	998.8	988.3	945.0	840.5	719.6	647.9	670.3	742.0	789.8	798.7	794.2
37.5°	1094.3	1101.8	1061.5	960.0	812.2	722.6	753.9	845.0	907.7	907.7	895.8
40°	1157.0	1166.0	1128.7	1042.1	903.2	804.7	839.0	937.6	985.3	988.3	945.0
42.5°	1224.2	1231.7	1206.3	1116.7	979.4	882.3	913.7	1007.7	1055.5	1054.0	1009.2
45°	1298.9	1309.3	1297.4	1206.3	1055.5	955.5	982.3	1091.3	1154.0	1164.5	1106.3
47.5°	1389.9	1397.4	1383.9	1294.4	1140.6	1030.1	1071.9	1204.8	1286.9	1288.4	1221.2
50°	1440.7	1455.6	1476.5	1406.3	1237.6	1113.7	1177.9	1348.1	1443.7	1461.6	1372.0
52.5°	1472.0	1488.5	1522.8	1507.9	1360.1	1224.2	1319.8	1512.3	1594.5	1619.8	1489.9
55°	1524.3	1542.2	1579.5	1558.6	1455.6	1351.1	1452.6	1679.5	1775.1	1787.0	1672.1
57.5°	1451.1	1469.0	1570.6	1610.9	1521.3	1461.6	1594.5	1866.2	1984.1	2002.0	1842.3
60°	1385.4	1397.4	1464.6	1579.5	1560.1	1540.7	1746.7	2045.3	2142.4	2148.3	1943.8
62.5°	1263.0	1289.9	1367.5	1461.6	1513.8	1569.1	1857.2	2187.1	2288.7	2299.1	2043.8
65°	1092.8	1112.2	1198.8	1333.2	1395.9	1522.8	1903.5	2302.1	2394.7	2388.7	2093.1
67.5°	971.9	986.8	1063.0	1160.0	1251.1	1419.8	1849.7	2320.0	2433.5	2418.5	2057.3
70°	762.9	780.8	867.4	1019.7	1091.3	1258.5	1722.8	2248.4	2346.9	2333.5	1894.5
72.5°	607.6	624.0	706.2	834.5	955.5	1089.8	1554.1	2019.9	2058.8	2024.4	1595.9
75°	444.9	467.3	522.5	639.0	783.8	942.0	1309.3	1716.9	1748.2	1715.4	1295.9
77.5°	307.5	309.0	358.3	468.8	594.2	794.2	1086.9	1425.7	1404.8	1370.5	991.3
80°	197.1	200.1	231.4	303.1	431.5	600.2	877.8	1136.1	1116.7	1101.8	759.9
82.5°	126.9	122.4	149.3	198.6	292.6	435.9	682.3	910.7	889.8	854.0	574.8
85°	80.6	83.6	98.5	129.9	200.1	318.0	509.1	652.4	625.5	592.7	392.6
87.5°	61.2	62.7	71.7	92.6	135.9	223.9	347.9	453.9	435.9	404.6	264.2
90°	46.3	47.8	53.7	67.2	94.1	152.3	231.4	285.1	264.2	247.8	170.2
92.5°	32.8	34.3	40.3	50.8	70.2	106.0	149.3	167.2	155.3	149.3	110.5
95°	23.9	25.4	29.9	37.3	52.3	73.2	94.1	101.5	94.1	91.1	77.6
97.5°	19.4	20.9	22.4	28.4	40.3	53.7	64.2	65.7	64.2	61.2	58.2
100°	16.4	16.4	19.4	22.4	31.4	43.3	47.8	47.8	47.8	47.8	44.8
102.5°	13.4	13.4	16.4	19.4	25.4	34.3	37.3	37.3	35.8	37.3	35.8
105°	11.9	11.9	13.4	16.4	22.4	28.4	29.9	28.4	28.4	28.4	28.4
107.5°	10.5	10.5	11.9	14.9	19.4	23.9	25.4	23.9	22.4	22.4	23.9
110°	9.0	9.0	10.5	11.9	16.4	20.9	20.9	17.9	17.9	17.9	19.4

REPORT NUMBER: P695081  
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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	9.0	9.0	10.5	11.9	14.9	17.9	16.4	14.9	14.9	14.9	16.4
115°	9.0	9.0	9.0	10.5	13.4	14.9	14.9	13.4	11.9	13.4	14.9
117.5°	9.0	9.0	9.0	10.5	11.9	13.4	13.4	11.9	10.5	11.9	13.4
120°	9.0	9.0	9.0	10.5	11.9	11.9	11.9	10.5	10.5	10.5	11.9
122.5°	7.5	7.5	9.0	9.0	10.5	10.5	10.5	9.0	9.0	9.0	11.9
125°	7.5	7.5	9.0	9.0	10.5	10.5	9.0	9.0	9.0	9.0	10.5
127.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.5	9.0	9.0	10.5
130°	9.0	9.0	9.0	9.0	9.0	9.0	7.5	7.5	9.0	9.0	10.5
132.5°	9.0	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	9.0	9.0
135°	9.0	9.0	9.0	9.0	7.5	7.5	6.0	7.5	7.5	7.5	9.0
137.5°	7.5	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5
140°	7.5	6.0	6.0	6.0	6.0	6.0	4.5	4.5	6.0	6.0	7.5
142.5°	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	6.0
145°	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5
147.5°	4.5	3.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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: P695081  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	113.5	112.0	112.0	110.5	109.0	109.0	107.5	107.5	107.5	107.5	106.0
5°	116.4	115.0	112.0	109.0	106.0	104.5	103.0	101.5	100.0	100.0	100.0
7.5°	120.9	119.4	115.0	110.5	106.0	101.5	98.5	97.0	95.5	94.1	94.1
10°	132.9	128.4	120.9	113.5	107.5	101.5	97.0	94.1	92.6	91.1	91.1
12.5°	149.3	147.8	135.9	123.9	113.5	104.5	98.5	97.0	95.5	95.5	94.1
15°	180.6	174.7	161.2	141.8	125.4	112.0	107.5	106.0	109.0	109.0	110.5
17.5°	215.0	207.5	189.6	165.7	143.3	128.4	122.4	123.9	126.9	129.9	129.9
20°	259.8	252.3	228.4	194.1	167.2	149.3	141.8	141.8	147.8	152.3	152.3
22.5°	321.0	307.5	273.2	226.9	191.1	170.2	159.7	158.3	165.7	170.2	170.2
25°	392.6	373.2	328.4	267.2	216.5	186.6	174.7	176.2	185.1	192.6	192.6
27.5°	467.3	446.4	383.7	304.6	240.4	198.6	188.1	194.1	206.0	213.5	215.0
30°	558.4	530.0	441.9	341.9	258.3	209.0	198.6	207.5	222.4	232.9	234.4
32.5°	661.4	625.5	515.1	379.2	271.7	215.0	204.5	222.4	240.4	255.3	255.3
35°	759.9	712.1	568.8	407.6	279.2	216.5	210.5	232.9	253.8	267.2	267.2
37.5°	848.0	786.8	613.6	422.5	279.2	216.5	212.0	237.4	256.8	265.7	264.2
40°	882.3	809.2	615.1	415.0	274.7	213.5	210.5	234.4	249.3	252.3	249.3
42.5°	934.6	845.0	604.6	389.7	259.8	209.0	206.0	223.9	232.9	232.9	229.9
45°	1015.2	900.2	606.1	364.3	243.3	200.1	198.6	215.0	225.4	228.4	225.4
47.5°	1113.7	968.9	607.6	341.9	228.4	192.6	194.1	213.5	223.9	221.0	219.5
50°	1243.6	1060.0	615.1	321.0	219.5	186.6	194.1	215.0	222.4	216.5	213.5
52.5°	1339.2	1113.7	601.7	301.6	213.5	185.1	197.1	218.0	222.4	213.5	213.5
55°	1479.5	1188.4	573.3	276.2	207.5	186.6	200.1	221.0	222.4	215.0	213.5
57.5°	1603.4	1255.6	556.9	253.8	201.5	189.6	204.5	225.4	228.4	223.9	222.4
60°	1660.1	1272.0	513.6	238.9	197.1	192.6	210.5	232.9	243.3	240.4	241.9
62.5°	1728.8	1275.0	471.8	225.4	195.6	195.6	218.0	247.8	261.3	261.3	262.8
65°	1724.3	1236.1	422.5	213.5	194.1	198.6	226.9	261.3	277.7	282.2	283.7
67.5°	1664.6	1160.0	368.8	201.5	191.1	200.1	234.4	274.7	294.1	301.6	303.1
70°	1479.5	1018.2	315.0	191.1	185.1	197.1	235.9	282.2	301.6	309.0	310.5
72.5°	1213.8	807.7	256.8	176.2	174.7	188.1	229.9	277.7	292.6	295.6	298.6
75°	968.9	640.5	213.5	159.7	159.7	173.2	213.5	255.3	265.7	268.7	264.2
77.5°	725.6	485.2	177.7	144.8	144.8	158.3	192.6	225.4	234.4	232.9	234.4
80°	549.4	367.3	150.8	129.9	129.9	140.3	171.7	200.1	207.5	204.5	203.0
82.5°	412.0	274.7	131.4	116.4	116.4	125.4	149.3	173.2	179.2	179.2	174.7
85°	282.2	197.1	115.0	103.0	103.0	110.5	128.4	146.3	155.3	153.8	150.8
87.5°	197.1	149.3	101.5	92.6	91.1	97.0	110.5	126.9	137.3	138.8	135.9
90°	135.9	112.0	88.1	79.1	79.1	83.6	95.5	109.0	119.4	120.9	117.9
92.5°	95.5	85.1	73.2	67.2	65.7	71.7	79.1	88.1	94.1	94.1	95.5
95°	70.2	65.7	58.2	52.3	52.3	58.2	62.7	64.2	68.7	68.7	67.2
97.5°	53.7	52.3	47.8	41.8	40.3	46.3	47.8	49.3	52.3	50.8	49.3
100°	44.8	43.3	38.8	34.3	32.8	37.3	38.8	40.3	43.3	40.3	40.3
102.5°	35.8	35.8	32.8	28.4	28.4	31.4	32.8	34.3	35.8	34.3	32.8
105°	29.9	29.9	28.4	25.4	23.9	26.9	28.4	28.4	29.9	28.4	28.4
107.5°	23.9	25.4	23.9	20.9	20.9	22.4	23.9	23.9	23.9	23.9	23.9
110°	20.9	20.9	20.9	17.9	19.4	20.9	20.9	20.9	20.9	20.9	20.9

REPORT NUMBER: P695081  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	17.9	17.9	16.4	16.4	17.9	17.9	17.9	17.9	17.9	17.9
115°	16.4	16.4	16.4	14.9	14.9	16.4	14.9	14.9	14.9	16.4	16.4
117.5°	14.9	14.9	14.9	13.4	13.4	13.4	13.4	13.4	13.4	14.9	14.9
120°	13.4	13.4	13.4	11.9	11.9	11.9	11.9	11.9	11.9	13.4	13.4
122.5°	11.9	11.9	11.9	11.9	10.5	11.9	10.5	10.5	10.5	11.9	11.9
125°	10.5	11.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	11.9
127.5°	10.5	10.5	10.5	10.5	9.0	9.0	9.0	9.0	9.0	10.5	10.5
130°	10.5	10.5	10.5	9.0	9.0	9.0	7.5	7.5	9.0	9.0	10.5
132.5°	10.5	10.5	9.0	9.0	7.5	7.5	7.5	7.5	9.0	9.0	9.0
135°	9.0	9.0	9.0	7.5	7.5	7.5	6.0	7.5	7.5	9.0	9.0
137.5°	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5	7.5
140°	7.5	7.5	6.0	6.0	6.0	4.5	4.5	6.0	6.0	7.5	7.5
142.5°	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
145°	4.5	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5	6.0	6.0
147.5°	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	4.5
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)