

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: P414559

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-727-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 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: 3016 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

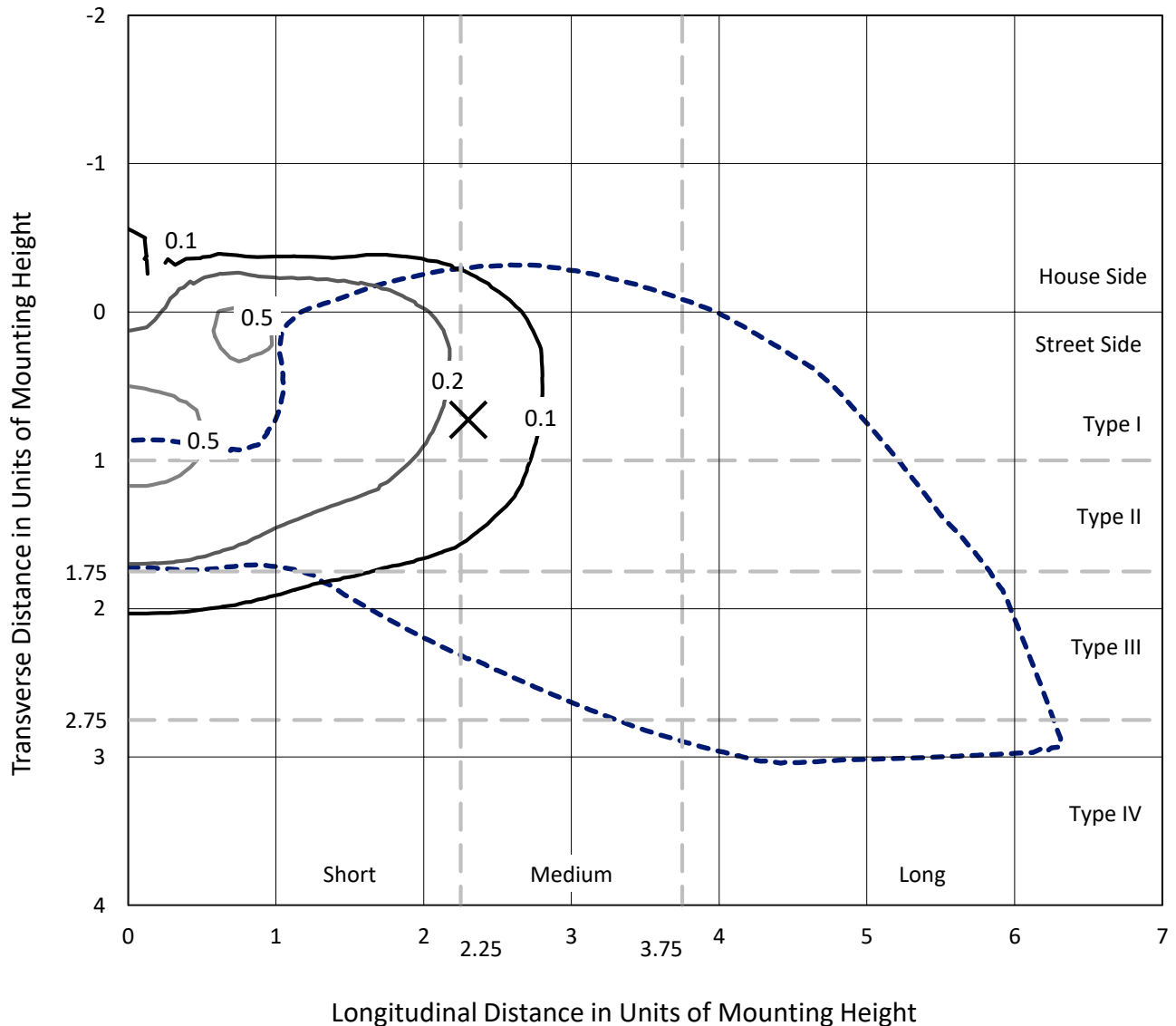
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

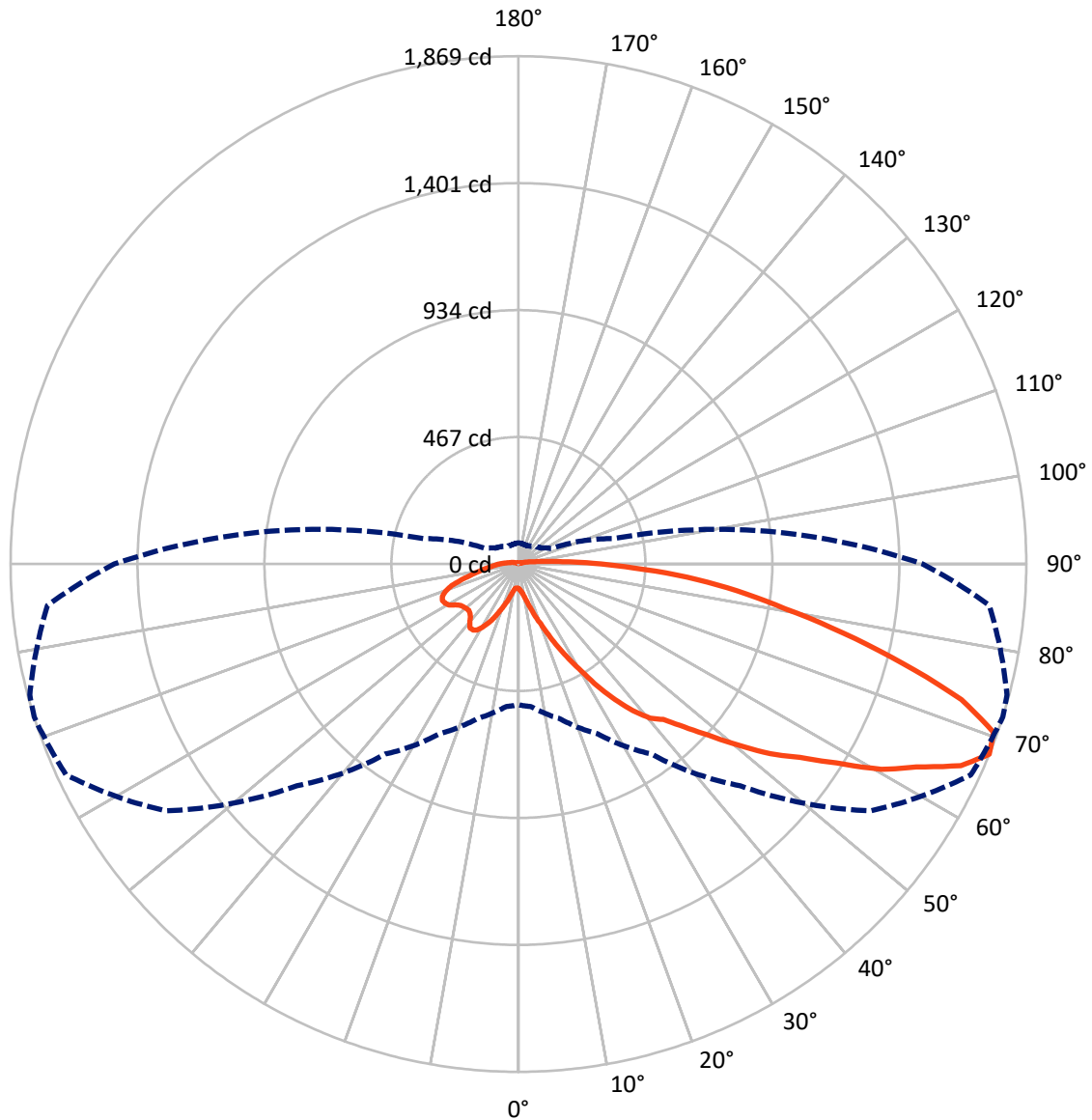
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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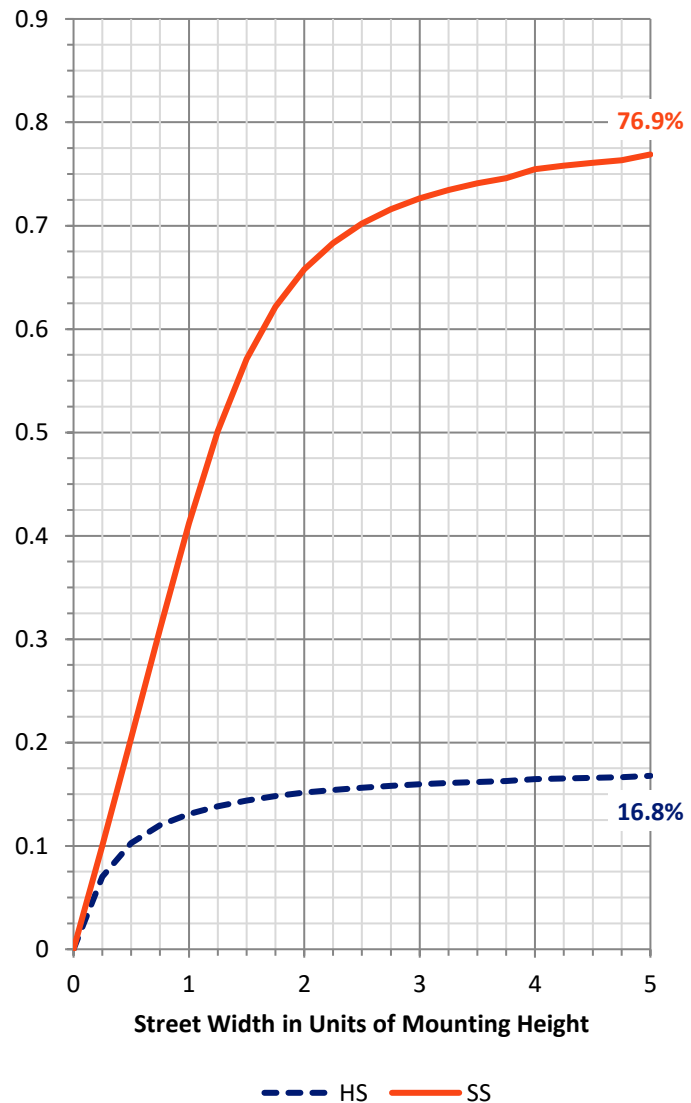
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	527.7	46.4	574.1
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	2376.3	65.6	2441.9
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	2904.0	112.0	3016.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.3
10°-20°	40.7	1.3
20°-30°	112.8	3.7
30°-40°	242.5	8.0
40°-50°	410.5	13.6
50°-60°	602.3	20.0
60°-70°	718.3	23.8
70°-80°	536.4	17.8
80°-90°	231.0	7.7
90°-100°	67.0	2.2
100°-110°	21.8	0.7
110°-120°	10.2	0.3
120°-130°	6.2	0.2
130°-140°	4.0	0.1
140°-150°	1.8	0.1
150°-160°	0.6	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2904.0	96.3
0°-180°	3016.0	100.0

**Coefficient of Utilization**



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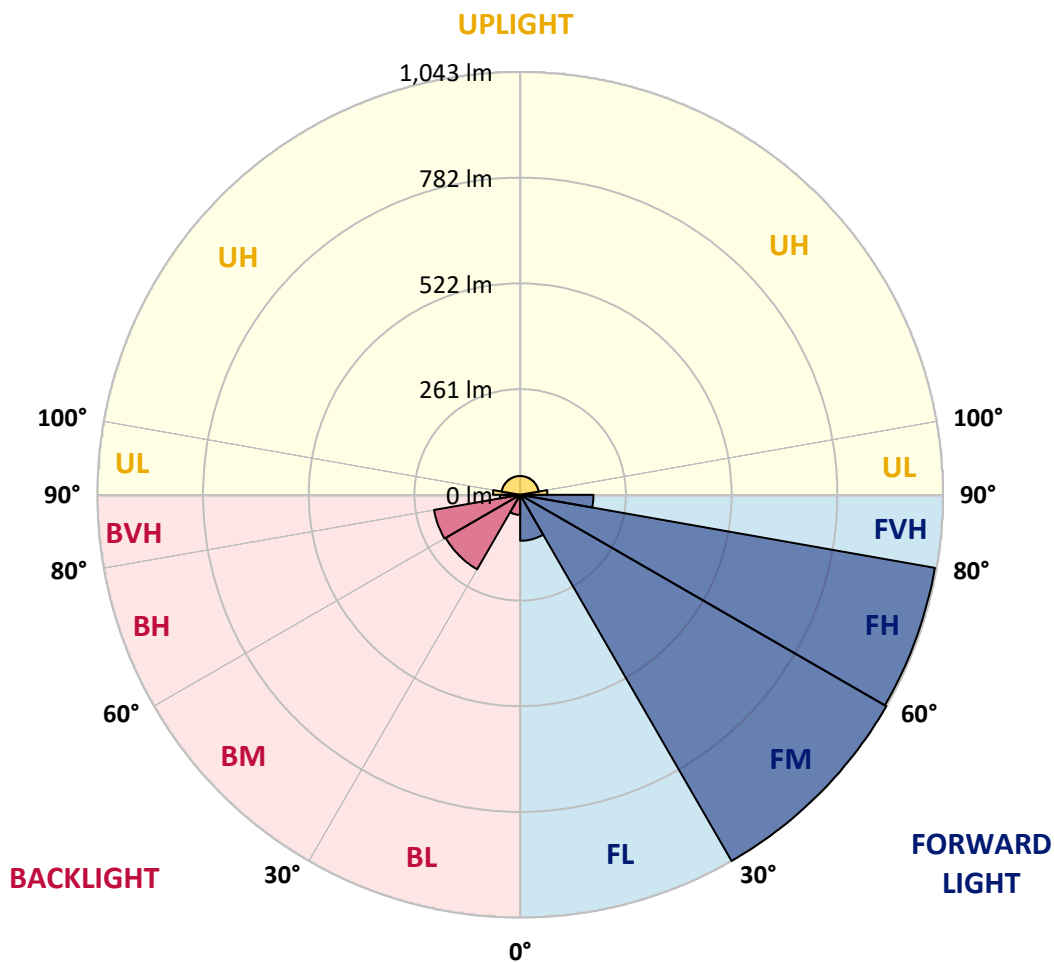
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.5	3.8			
FM	(30°-60°)	1043.1	34.6			
FH	(60°-80°)	1039.0	34.4			G1/1800
FVH	(80°-90°)	180.7	6.0			G2/225
BL	(0°-30°)	49.5	1.6	B0/110		
BM	(30°-60°)	212.2	7.0	B0/220		
BH	(60°-80°)	215.8	7.2	B1/500		G1/500
BVH	(80°-90°)	50.3	1.7			G1/100
UL	(90°-100°)	67.0	2.2		U3/500	
UH	(100°-180°)	46.4	1.5		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	99.0	99.7	100.4	100.1	99.7	98.7	96.9	95.1	93.4	93.4	91.9
5°	113.2	112.8	112.4	112.8	111.0	108.6	105.7	102.5	100.1	99.4	95.8
7.5°	129.4	128.7	129.4	127.3	124.8	121.6	117.4	113.2	108.9	108.2	102.5
10°	148.9	148.2	147.8	146.0	141.4	136.8	132.6	125.9	122.7	121.6	114.2
12.5°	173.3	172.9	170.8	167.3	161.2	156.6	150.6	147.1	143.9	141.4	134.0
15°	201.2	201.9	199.4	192.0	184.6	177.5	174.7	171.9	169.4	168.3	162.0
17.5°	240.5	239.0	233.4	222.1	210.0	204.4	201.9	200.1	202.6	201.9	192.0
20°	288.9	285.4	276.5	257.1	242.2	233.0	230.9	234.1	235.5	239.0	232.3
22.5°	345.8	341.2	326.4	304.5	282.9	265.6	263.4	273.0	281.8	282.9	280.1
25°	401.3	397.1	384.0	355.4	326.4	303.4	298.4	319.7	337.3	340.5	344.4
27.5°	458.3	456.2	437.1	405.9	374.1	345.1	344.4	367.4	395.0	402.4	409.1
30°	523.0	527.9	503.9	464.6	424.7	391.1	389.3	423.3	457.2	473.1	484.4
32.5°	614.2	610.0	579.9	536.1	476.7	437.4	439.9	479.5	536.8	550.2	565.1
35°	718.9	720.3	679.3	611.0	541.0	492.6	490.8	546.0	612.4	623.8	648.5
37.5°	804.8	811.9	781.5	703.0	613.2	550.6	553.0	614.9	684.9	707.6	729.1
40°	897.1	903.5	868.1	791.7	691.7	614.6	618.1	678.2	745.1	763.4	768.7
42.5°	997.9	1004.2	961.5	870.9	757.8	691.7	677.9	723.8	782.2	805.2	809.8
45°	1092.3	1103.3	1060.1	953.7	831.7	761.0	740.1	777.2	853.6	874.8	879.8
47.5°	1121.3	1134.4	1115.6	1028.6	902.4	820.7	806.9	858.6	941.0	972.4	966.1
50°	1149.2	1161.3	1149.9	1072.8	961.1	890.0	893.2	953.3	1046.7	1087.0	1082.0
52.5°	1153.5	1165.8	1154.2	1100.1	1011.3	960.0	995.4	1066.5	1159.1	1188.5	1181.4
55°	1160.5	1168.7	1158.1	1096.9	1047.7	1034.7	1101.5	1182.5	1256.0	1291.0	1279.4
57.5°	1062.2	1065.4	1104.0	1087.7	1055.5	1117.4	1221.0	1294.2	1380.8	1433.2	1427.2
60°	920.8	927.5	975.3	1012.7	1050.2	1176.5	1338.4	1449.1	1534.0	1568.3	1535.7
62.5°	804.5	811.9	862.1	910.2	1005.3	1202.6	1461.1	1587.7	1643.6	1674.7	1636.1
65°	648.2	653.8	715.0	809.4	932.1	1192.4	1553.0	1732.0	1788.2	1800.6	1726.0
67.5°	518.0	526.5	588.8	689.5	853.6	1153.5	1583.1	1835.9	1868.5	1861.0	1739.0
70°	385.4	389.7	465.7	593.7	760.6	1068.6	1554.5	1859.3	1854.3	1844.8	1677.5
72.5°	265.6	264.9	336.3	461.1	663.7	971.7	1421.2	1727.4	1704.0	1679.3	1467.5
75°	171.5	181.0	225.6	335.2	536.8	831.7	1248.6	1500.0	1460.4	1421.2	1209.0
77.5°	115.6	122.3	158.4	240.1	410.2	699.4	1074.6	1288.2	1222.1	1186.4	976.0
80°	79.6	82.4	110.0	176.5	305.2	554.8	880.1	1066.1	994.0	951.6	757.4
82.5°	55.9	58.0	76.7	130.1	229.8	414.4	702.6	886.9	811.2	780.4	588.4
85°	40.3	41.7	55.2	96.9	174.7	311.2	534.7	689.9	624.1	600.4	420.4
87.5°	30.1	31.5	41.7	71.8	134.4	236.6	398.9	494.0	423.3	392.5	265.6
90°	22.3	23.7	32.2	53.7	105.0	178.2	288.9	337.7	274.8	248.9	169.4
92.5°	16.6	17.7	24.0	39.3	80.3	136.5	203.7	213.6	162.7	148.2	106.8
95°	12.4	13.1	18.0	28.6	57.3	99.4	133.3	124.8	95.8	87.0	67.5
97.5°	10.3	10.6	14.1	21.9	40.3	69.7	85.6	76.7	61.9	57.6	46.7
100°	8.5	8.8	11.3	16.6	29.3	47.7	56.6	49.9	43.1	41.4	36.4
102.5°	7.4	7.8	9.5	13.8	21.9	34.3	39.3	35.7	31.8	30.4	28.3
105°	6.7	6.7	8.5	11.7	18.0	25.8	28.6	26.2	23.7	23.0	22.6
107.5°	6.0	6.0	7.4	10.3	14.9	20.2	21.6	19.4	17.3	17.0	18.0
110°	5.7	5.7	6.7	9.2	12.7	16.6	17.0	14.5	13.1	13.1	14.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.3	5.3	6.4	8.1	11.3	13.8	13.4	11.3	10.3	10.3	12.0
115°	5.3	5.3	6.0	7.8	9.9	11.7	11.0	9.2	8.5	8.5	10.3
117.5°	5.3	5.7	6.0	7.4	9.2	10.3	9.5	7.8	7.4	7.4	9.2
120°	5.7	5.7	6.0	7.4	8.5	8.8	8.1	6.7	6.4	6.7	8.5
122.5°	5.7	5.7	6.4	7.4	8.1	8.1	7.1	6.0	6.0	6.0	7.8
125°	6.0	6.0	6.4	7.4	7.8	7.4	6.4	5.7	5.7	6.0	7.1
127.5°	6.4	6.4	6.7	7.4	7.4	6.7	6.0	5.3	5.3	5.7	7.1
130°	7.1	7.1	7.1	7.4	6.7	6.0	5.3	5.0	5.3	5.7	7.1
132.5°	7.1	7.1	7.1	7.1	6.4	5.3	5.0	4.6	5.3	5.7	6.7
135°	6.4	6.4	6.4	6.4	5.7	4.6	4.2	4.2	5.0	5.3	6.4
137.5°	5.7	5.7	5.7	5.3	5.0	4.2	3.5	3.5	4.2	4.6	5.7
140°	5.0	5.0	4.6	4.6	4.2	3.5	3.2	3.2	3.5	3.9	4.6
142.5°	3.9	3.9	3.9	3.9	3.5	2.8	2.5	2.5	3.2	3.5	3.9
145°	3.2	3.2	3.2	3.2	2.8	2.5	2.1	2.1	2.5	2.8	3.2
147.5°	2.5	2.5	2.8	2.8	2.5	2.1	1.4	1.8	2.1	2.1	2.5
150°	2.1	2.1	2.1	2.5	1.8	1.4	1.1	1.4	1.8	1.8	2.1
152.5°	1.8	1.8	1.8	1.8	1.4	0.7	1.1	1.4	1.4	1.8	1.8
155°	1.1	1.1	1.4	1.4	1.1	0.7	1.1	1.1	1.4	1.4	1.8
157.5°	0.7	0.7	1.1	1.1	1.1	0.7	0.7	1.1	1.1	1.1	1.4
160°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
162.5°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
165°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
167.5°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
170°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
172.5°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
175°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
177.5°	0.0	0.4	0.7	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	90.9	90.2	88.8	87.3	85.9	84.5	84.2	83.5	83.1	82.7	83.1
5°	94.4	92.3	89.1	85.9	83.1	80.6	78.9	77.1	75.7	75.0	75.0
7.5°	100.8	97.2	91.9	86.6	81.7	77.4	74.6	72.1	70.4	69.7	69.3
10°	110.7	106.4	98.7	90.2	82.7	76.4	72.1	69.3	67.5	66.5	66.5
12.5°	128.0	123.1	110.7	97.6	85.6	76.7	71.1	68.2	66.5	66.1	66.5
15°	155.2	147.5	129.4	110.7	92.3	77.4	70.4	69.3	70.0	70.4	70.4
17.5°	187.1	176.5	153.5	125.2	99.7	80.6	73.2	72.5	73.6	74.6	75.3
20°	222.8	209.0	175.7	139.0	104.7	85.2	76.0	74.6	77.1	79.2	78.9
22.5°	268.0	251.4	204.0	149.6	108.2	86.3	77.1	75.7	79.9	82.4	83.1
25°	327.4	303.7	237.3	160.9	110.3	84.9	76.4	76.7	83.1	88.0	89.1
27.5°	392.2	357.9	268.0	170.1	110.3	81.3	75.3	79.6	88.4	94.8	95.5
30°	462.9	415.1	294.9	177.2	107.1	77.8	74.3	81.0	89.8	96.5	97.2
32.5°	538.2	474.5	322.8	179.6	102.5	75.0	73.2	79.9	87.3	93.4	94.8
35°	605.0	527.6	333.8	176.1	96.2	72.8	70.7	76.4	83.8	91.2	91.6
37.5°	674.7	578.1	338.8	166.2	89.8	70.7	68.6	73.9	82.7	91.6	92.6
40°	704.4	591.2	324.6	152.4	83.8	69.3	67.5	73.6	83.1	91.9	93.4
42.5°	734.8	604.0	307.3	132.6	79.9	69.0	68.6	73.6	81.3	88.4	89.5
45°	786.8	632.3	299.5	119.2	77.8	70.0	69.7	72.5	78.1	84.5	86.6
47.5°	861.0	675.0	295.6	110.7	77.8	71.8	70.7	71.4	75.0	80.6	82.4
50°	956.2	734.4	300.6	106.1	79.6	74.3	72.1	71.1	72.5	78.5	80.6
52.5°	1036.1	791.4	306.6	105.4	82.4	77.4	74.3	71.1	72.1	79.2	81.7
55°	1119.9	845.5	313.3	107.1	85.9	79.9	75.7	71.8	72.5	79.2	82.0
57.5°	1241.5	937.4	330.6	111.0	89.5	82.7	77.4	72.8	72.1	77.4	79.6
60°	1352.6	1025.1	356.4	118.5	93.7	85.6	79.2	73.6	71.8	75.3	76.7
62.5°	1419.7	1072.5	366.3	125.5	97.9	88.0	79.9	73.6	72.8	76.0	77.1
65°	1489.0	1117.8	370.2	131.2	100.4	89.5	79.9	74.3	74.3	76.4	76.7
67.5°	1486.6	1107.9	361.0	134.0	102.5	90.2	79.9	74.3	75.0	77.1	77.4
70°	1421.5	1050.9	338.0	133.7	102.2	89.1	78.5	73.9	76.7	79.2	79.6
72.5°	1230.6	903.5	300.9	129.4	99.0	86.3	76.4	73.2	77.4	81.0	81.0
75°	1009.6	735.9	248.6	121.3	95.1	82.7	73.2	70.7	76.0	81.0	81.0
77.5°	795.3	576.0	201.6	110.7	89.5	78.5	69.3	66.5	72.5	77.1	76.7
80°	617.8	436.7	162.0	100.1	83.1	73.9	64.7	61.5	66.8	70.0	69.3
82.5°	473.8	336.3	133.7	90.2	76.7	68.6	60.1	57.3	62.2	64.4	63.6
85°	323.6	240.8	109.6	79.2	68.6	62.2	55.5	53.4	59.1	61.5	60.8
87.5°	213.6	165.5	91.6	69.7	60.5	55.9	50.2	49.5	55.9	58.3	58.0
90°	141.1	115.6	77.8	60.5	52.7	48.8	45.3	45.3	50.9	53.0	51.6
92.5°	93.0	82.0	61.5	51.3	44.9	42.4	40.3	40.0	44.9	45.6	44.6
95°	63.3	57.6	48.1	42.4	37.8	36.4	34.7	35.4	38.5	37.8	36.8
97.5°	45.3	43.8	38.9	34.7	31.5	31.1	30.4	30.8	32.5	31.1	30.4
100°	36.1	35.0	32.2	29.0	26.9	26.5	26.2	26.5	27.6	26.2	25.5
102.5°	29.0	29.0	26.9	24.4	22.6	23.0	23.0	23.0	23.3	21.2	21.2
105°	23.3	23.3	22.6	20.5	19.4	19.4	19.8	19.8	19.8	18.4	18.4
107.5°	18.7	19.4	19.1	17.3	16.6	17.0	17.0	16.6	16.6	15.9	15.9
110°	15.2	15.9	15.9	14.9	14.5	14.9	14.5	14.1	13.8	13.8	13.8



REPORT NUMBER: P414559

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.7	13.4	13.8	13.1	12.7	12.7	12.4	12.0	12.0	12.4	12.4
115°	11.0	11.7	12.0	11.3	11.3	11.3	10.6	10.3	10.3	11.0	11.0
117.5°	9.9	10.3	10.6	10.3	9.9	9.9	9.5	8.8	8.8	9.5	9.9
120°	8.8	9.2	9.5	9.2	8.8	8.5	8.1	7.8	7.8	8.8	8.8
122.5°	8.1	8.5	8.5	8.1	7.8	7.8	7.4	7.1	7.1	7.8	8.1
125°	7.8	7.8	7.8	7.4	7.1	6.7	6.4	6.4	6.4	7.1	7.1
127.5°	7.4	7.4	7.1	6.7	6.4	6.0	6.0	5.7	5.7	6.4	6.7
130°	7.4	7.4	6.7	6.4	6.0	5.3	5.3	5.0	5.3	6.0	6.0
132.5°	7.1	7.1	6.4	6.0	5.3	5.0	4.6	4.6	4.6	5.3	5.7
135°	6.7	6.4	5.7	5.3	4.6	4.2	4.2	4.2	4.2	5.0	5.0
137.5°	6.0	5.7	5.0	4.6	4.2	3.9	3.5	3.5	3.9	4.2	4.6
140°	5.0	5.0	4.2	3.9	3.5	3.2	3.2	3.2	3.5	3.9	3.9
142.5°	4.2	4.2	3.5	3.2	2.8	2.5	2.8	2.8	3.2	3.5	3.5
145°	3.5	3.2	3.2	2.5	2.5	2.1	2.1	2.5	2.8	3.2	3.2
147.5°	2.8	2.8	2.5	2.1	1.8	1.8	1.8	2.1	2.5	2.5	2.8
150°	2.5	2.5	2.1	2.1	1.4	1.1	1.4	2.1	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	1.8	1.4	0.7	1.1	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.4	1.1	0.4	1.1	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	0.7	0.4	0.7	1.1	1.1	1.1	1.4
160°	1.1	1.1	1.1	1.1	0.7	0.4	0.7	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	1.1	0.7	0.7	0.7
165°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.7	0.7
167.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4
170°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4
172.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4
175°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4
177.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)