

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: P254681

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-SL3-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3943.1 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

Input Watts (W): 40  
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

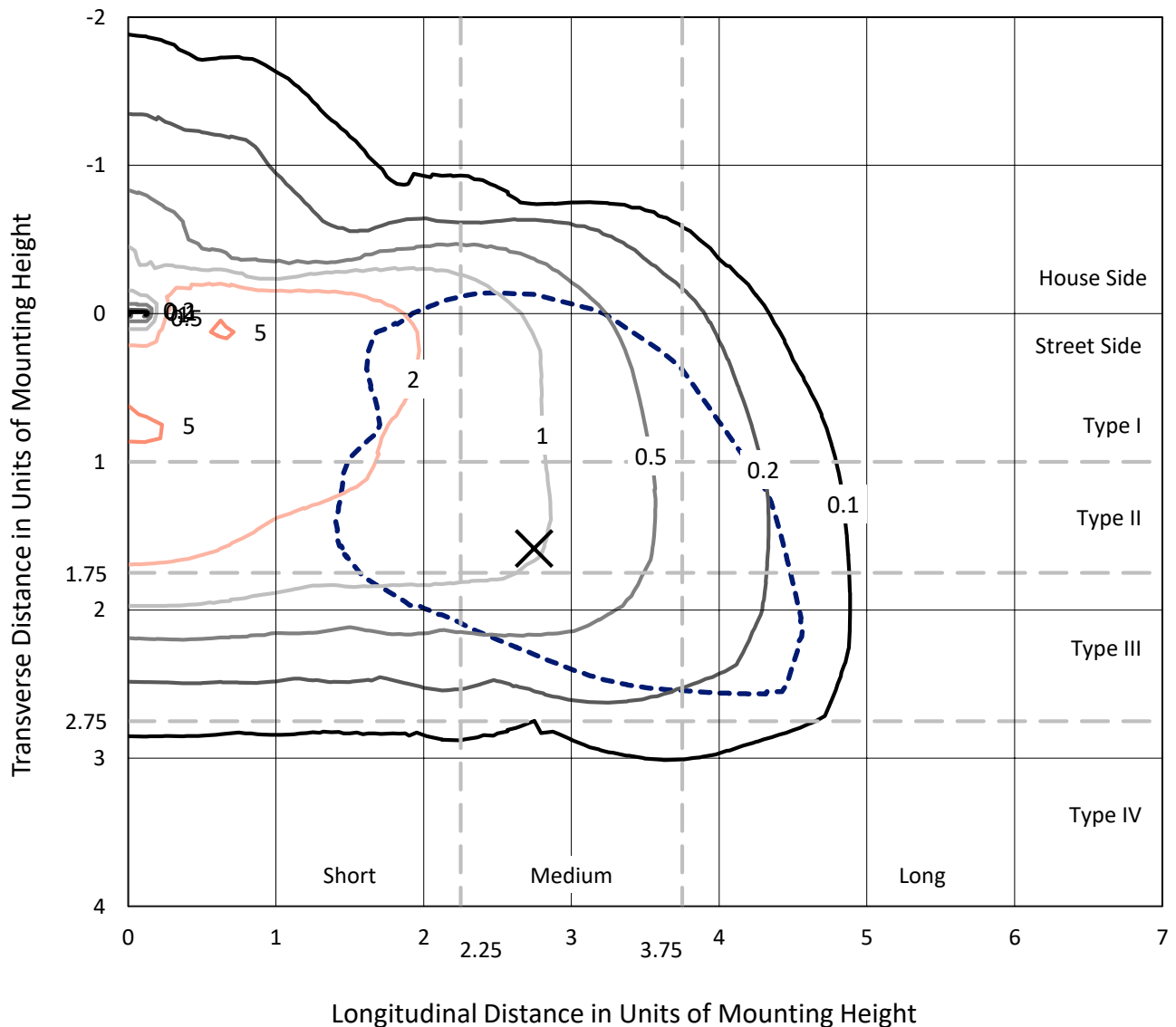


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

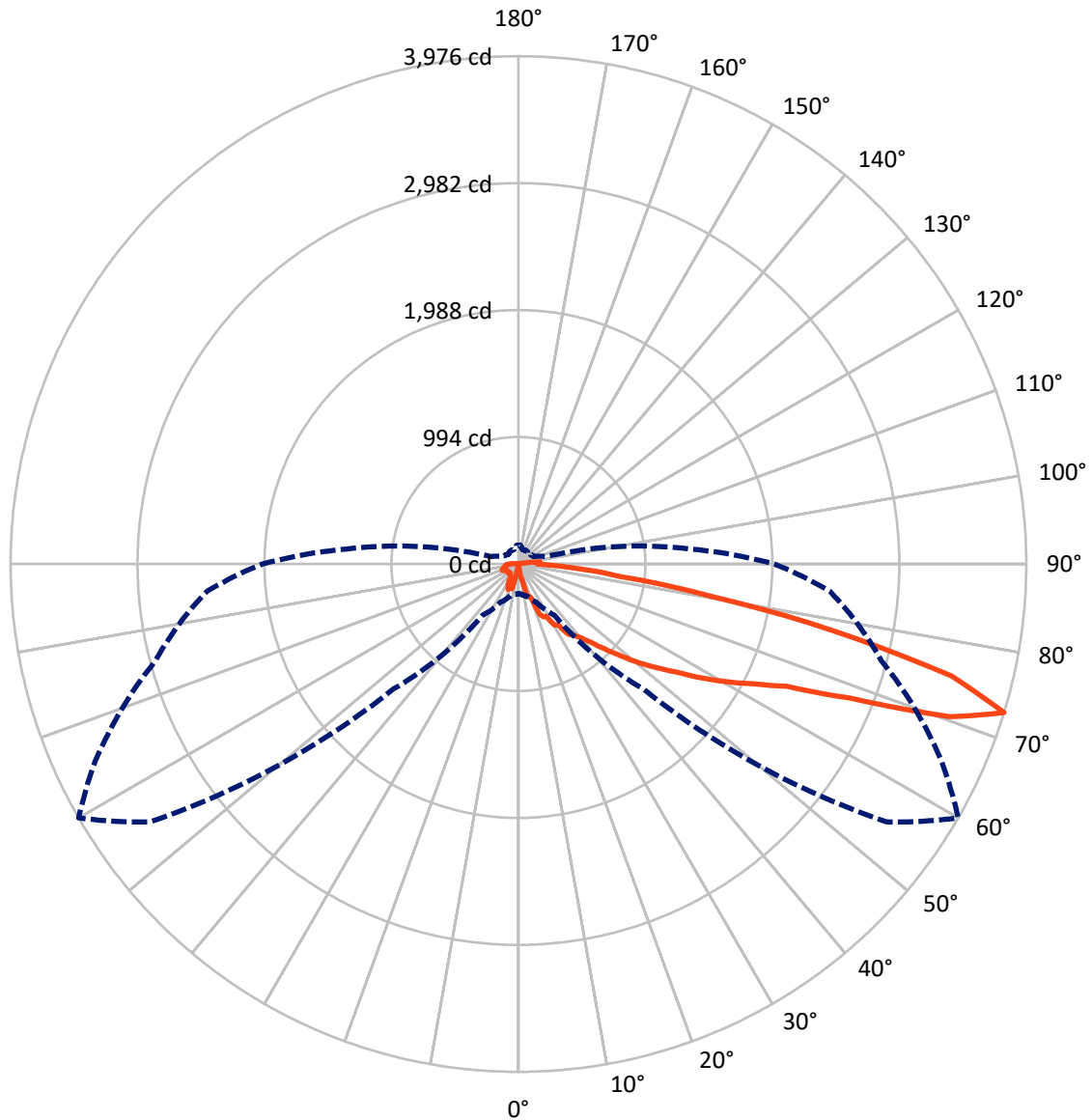


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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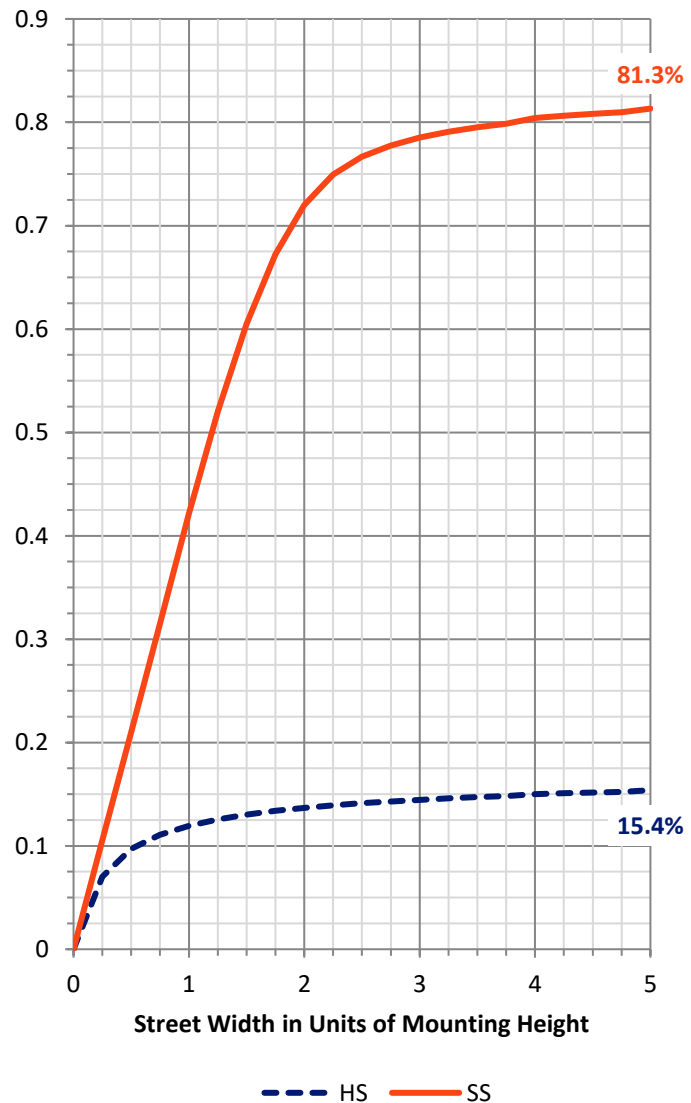
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	639.9	25.6	665.5
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	3244.8	32.8	3277.6
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	3884.7	58.5	3943.1
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	52.9	1.3
20°-30°	155.1	3.9
30°-40°	308.9	7.8
40°-50°	531.0	13.5
50°-60°	812.3	20.6
60°-70°	1023.9	26.0
70°-80°	815.0	20.7
80°-90°	181.3	4.6
90°-100°	51.0	1.3
100°-110°	5.0	0.1
110°-120°	1.0	0.0
120°-130°	0.7	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3884.7	98.5
0°-180°	3943.1	100.0

**Coefficient of Utilization**



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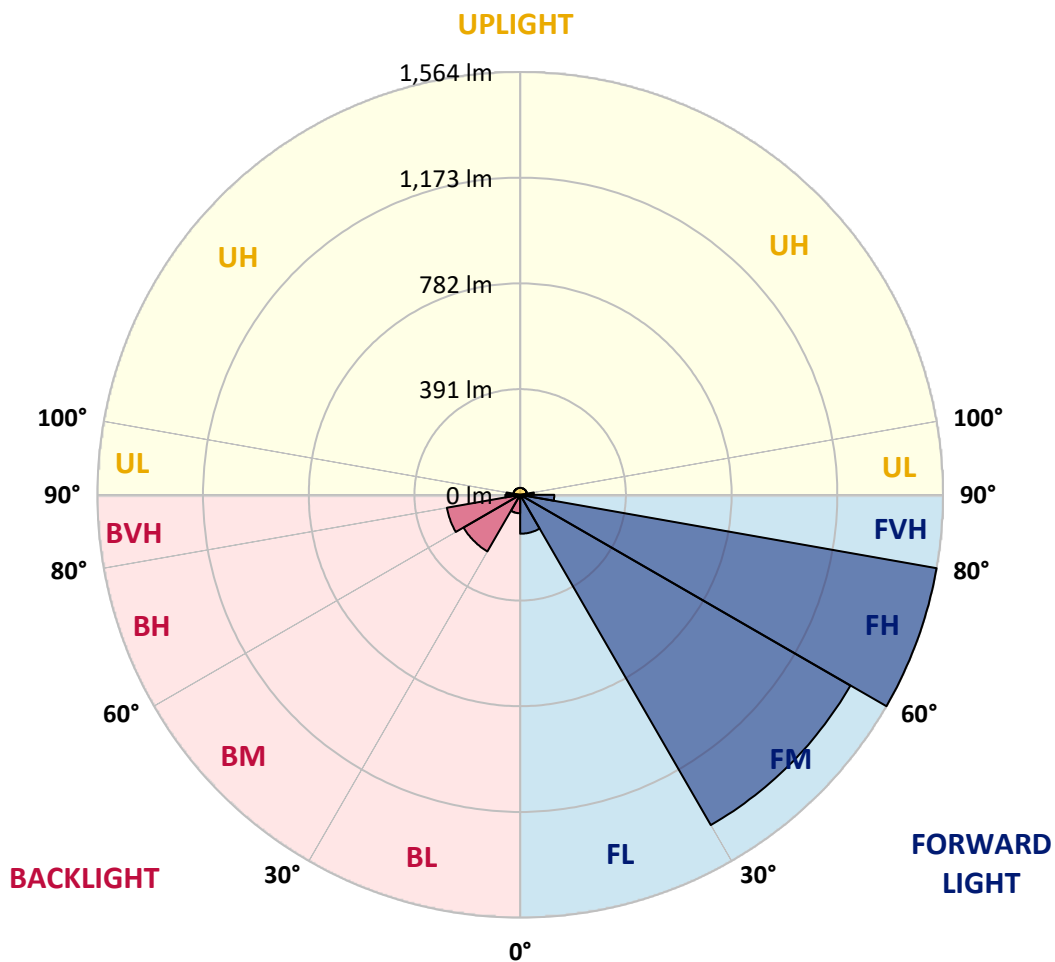
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.0	3.7			
FM (30°-60°)	1410.6	35.8			
FH (60°-80°)	1564.0	39.7			G1/1800
FVH (80°-90°)	126.1	3.2			G2/225
BL (0°-30°)	68.2	1.7	B0/110		
BM (30°-60°)	241.5	6.1	B1/1000		
BH (60°-80°)	274.9	7.0	B1/500		G1/500
BVH (80°-90°)	55.2	1.4			G1/100
UL (90°-100°)	51.0	1.3		U3/500	
UH (100°-180°)	25.6	0.7		U2/50	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.9	2.4	1.9	2.4	2.4	1.9	1.4	1.9	1.9	1.9	1.4
5°	120.8	122.3	109.2	85.3	16.5	11.7	4.0	2.4	2.4	1.9	1.9
7.5°	121.8	122.7	128.1	126.0	128.6	122.7	42.7	12.6	5.4	2.4	1.9
10°	131.0	130.4	129.0	131.9	131.4	125.1	120.8	115.5	26.2	3.4	2.9
12.5°	252.7	253.7	247.4	199.8	139.2	129.0	124.7	120.8	98.5	70.4	163.5
15°	254.7	253.3	246.4	257.1	253.3	147.9	207.1	264.4	266.3	197.9	227.5
17.5°	267.8	264.4	256.1	248.9	247.4	295.4	277.9	263.5	268.2	230.4	246.4
20°	364.3	360.9	356.5	347.8	264.9	337.2	336.2	280.9	283.3	459.9	448.2
22.5°	370.2	364.3	360.9	356.0	396.3	331.3	398.8	427.3	428.9	488.0	473.0
25°	491.8	489.9	459.3	370.2	395.3	377.0	457.5	458.5	448.7	513.2	563.7
27.5°	544.7	529.3	501.1	484.6	407.0	450.1	456.4	463.7	583.1	695.7	678.6
30°	732.0	711.6	559.3	544.7	482.2	456.9	526.8	554.5	603.0	698.5	702.9
32.5°	845.0	817.4	740.8	678.6	572.0	502.6	563.7	567.6	607.4	870.7	888.8
35°	1044.4	1008.0	830.0	755.7	668.0	598.6	584.1	675.2	729.6	909.0	920.2
37.5°	1083.2	1083.2	1032.3	900.9	766.5	671.8	687.4	709.2	765.1	979.0	974.0
40°	1121.5	1125.9	1135.6	1024.0	873.2	779.0	756.7	760.1	812.6	1058.9	1038.1
42.5°	1216.6	1213.3	1229.1	1119.2	1016.7	898.3	861.5	843.1	880.9	1162.3	1119.2
45°	1381.0	1381.0	1368.9	1219.0	1125.4	1017.7	982.8	948.8	962.5	1263.7	1230.1
47.5°	1584.8	1562.0	1497.5	1335.4	1220.5	1129.3	1100.1	1068.7	1075.4	1384.0	1362.6
50°	1737.5	1713.3	1590.2	1419.9	1298.5	1245.7	1231.7	1208.4	1198.7	1498.5	1507.1
52.5°	1770.5	1740.9	1632.4	1471.7	1364.1	1366.0	1380.6	1347.0	1315.6	1621.6	1653.2
55°	1730.3	1713.8	1645.9	1511.0	1425.8	1467.9	1532.0	1489.8	1475.6	1756.5	1794.8
57.5°	1650.3	1643.5	1639.7	1544.1	1467.4	1579.5	1726.4	1679.5	1642.5	1881.2	1897.2
60°	1481.0	1483.4	1527.6	1543.5	1542.6	1696.8	1907.3	1869.5	1798.7	2001.5	2018.4
62.5°	1182.6	1199.6	1315.6	1428.6	1582.8	1876.3	2080.6	2067.4	1991.2	2138.8	2136.3
65°	746.6	779.6	951.7	1207.5	1528.0	2122.3	2360.4	2308.9	2209.5	2297.4	2333.8
67.5°	403.6	415.1	510.8	795.5	1322.8	2237.7	2967.3	2799.0	2569.0	2551.5	2558.3
70°	291.5	294.9	319.7	439.4	827.1	2051.5	3502.9	3580.4	3138.0	2825.1	2645.1
72.5°	230.9	237.2	261.0	330.4	487.1	1382.4	3520.8	3976.3	3656.2	2945.4	2446.4
75°	159.1	168.8	210.6	284.3	439.0	690.3	2864.0	3499.9	3529.5	2702.4	1944.3
77.5°	84.9	86.4	96.0	220.2	416.2	498.2	1850.1	2532.2	2526.3	1900.1	1053.1
80°	68.9	69.8	73.8	95.0	356.5	508.4	992.9	1533.4	1404.8	738.3	383.7
82.5°	45.2	48.1	58.7	64.5	160.1	490.5	589.9	803.3	640.8	266.8	240.6
85°	26.7	29.6	42.7	47.5	76.2	572.4	529.3	483.6	370.2	188.7	181.0
87.5°	9.2	9.2	12.6	16.5	25.2	164.0	276.5	221.2	169.8	125.1	148.9
90°	4.8	5.4	2.9	2.9	11.2	50.5	147.9	147.0	115.5	122.7	159.1
92.5°	5.4	5.4	2.9	2.9	11.7	30.0	157.7	168.8	136.3	137.7	172.2
95°	5.8	6.3	2.4	2.4	11.2	20.9	138.8	171.7	133.4	124.7	149.9
97.5°	6.3	6.8	2.4	1.9	7.3	16.1	69.8	98.0	77.1	58.7	65.4
100°	5.8	6.3	1.4	1.4	3.4	10.7	26.7	36.4	33.0	13.5	7.7
102.5°	5.8	6.3	1.4	1.0	1.4	5.8	5.8	13.5	8.2	4.4	6.3
105°	5.8	6.3	1.4	1.0	0.4	2.9	1.9	2.4	2.9	4.0	7.3
107.5°	3.4	4.0	1.0	1.0	0.4	0.4	1.0	1.0	1.9	2.9	6.3
110°	1.4	1.4	0.4	0.4	0.0	0.4	0.4	1.0	1.9	2.4	3.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4	1.9	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9	3.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9	3.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9	3.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9	3.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9	3.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.9	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	1.4
140°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.4	1.0	1.0	1.4
142.5°	1.0	0.4	0.4	0.4	0.0	0.0	0.4	0.4	1.0	1.4	1.4
145°	1.4	1.0	1.0	0.4	0.0	0.0	0.4	1.0	1.4	1.4	1.4
147.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.4	1.0	1.4	1.9	1.9
150°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.9	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.4	0.4	1.0
7.5°	1.4	1.4	1.4	1.0	1.0	0.4	89.7	104.4	119.8	117.4	113.9
10°	2.4	2.4	2.4	1.9	5.8	107.7	120.8	115.5	113.0	112.1	113.5
12.5°	165.4	195.0	65.0	9.8	95.6	105.2	107.7	101.8	105.2	106.2	103.4
15°	227.0	222.7	204.8	210.6	187.3	101.4	96.5	143.5	143.1	142.6	142.6
17.5°	245.5	233.4	202.2	213.9	187.3	153.7	119.3	113.9	110.2	110.6	109.6
20°	442.0	413.3	319.7	208.1	164.0	164.4	101.4	87.9	110.2	128.6	131.0
22.5°	445.3	417.7	334.7	269.8	164.0	130.0	99.4	103.8	124.7	136.3	138.2
25°	560.3	506.4	328.9	228.1	164.4	105.8	105.8	100.0	113.5	129.5	131.9
27.5°	639.3	576.8	401.2	223.7	123.7	103.4	94.6	95.6	121.3	132.4	133.0
30°	640.4	566.6	377.4	187.7	102.8	89.7	85.3	100.0	106.2	113.5	113.9
32.5°	832.4	722.3	423.9	150.9	91.7	81.0	85.9	95.0	107.2	125.1	127.1
35°	832.4	710.1	369.2	138.8	86.9	81.5	88.3	101.8	102.3	116.0	118.9
37.5°	855.7	709.2	311.9	116.0	90.6	81.5	92.3	95.6	100.0	113.9	114.5
40°	892.1	719.4	255.1	105.8	89.7	88.7	89.7	94.1	93.1	102.3	102.8
42.5°	952.2	742.2	212.0	102.3	89.3	93.1	90.6	89.3	83.9	110.2	110.6
45°	1040.4	794.1	180.5	102.3	89.7	99.4	93.6	86.4	81.0	133.0	136.8
47.5°	1144.3	859.1	165.8	104.8	91.7	100.8	89.3	86.4	86.4	144.1	146.0
50°	1268.5	933.8	159.1	106.7	98.0	100.0	92.3	91.7	95.6	133.9	133.4
52.5°	1399.9	1026.0	158.1	109.6	102.3	96.0	104.4	98.0	85.3	98.0	98.0
55°	1530.5	1139.5	156.7	110.6	100.0	98.5	106.7	87.3	72.7	79.5	80.6
57.5°	1656.1	1247.6	162.5	106.7	99.4	98.5	101.8	87.3	75.2	81.5	83.5
60°	1784.2	1368.5	197.0	100.8	101.4	96.0	101.4	94.6	82.9	98.5	100.4
62.5°	1939.4	1534.9	268.2	106.2	102.8	97.5	100.8	100.4	86.4	94.1	96.0
65°	2161.5	1720.2	310.4	125.1	107.2	101.8	100.8	108.7	96.5	91.7	92.3
67.5°	2313.9	1787.6	301.2	141.2	117.9	104.8	109.2	116.9	103.4	104.4	103.8
70°	2286.2	1667.8	261.9	148.9	124.7	107.7	117.9	116.5	108.7	123.7	122.7
72.5°	2003.4	1352.0	222.2	136.8	122.7	108.7	119.8	119.3	117.9	148.5	148.5
75°	1492.2	907.1	192.7	125.6	117.4	107.7	117.4	118.3	117.4	151.9	152.9
77.5°	732.5	453.1	163.5	113.0	108.7	110.2	116.0	116.5	114.9	147.5	147.5
80°	327.4	248.3	124.7	95.0	104.8	116.0	116.5	112.1	113.9	139.8	139.2
82.5°	227.0	178.5	81.5	83.5	117.4	125.6	118.9	109.6	108.1	127.7	125.6
85°	165.0	131.4	49.9	70.8	128.6	118.9	112.5	99.0	94.6	108.1	105.8
87.5°	133.0	104.8	30.6	59.2	117.4	104.4	93.6	81.5	75.7	83.5	79.5
90°	143.5	113.0	30.6	51.5	96.5	78.1	68.9	60.6	54.8	55.2	52.9
92.5°	154.7	120.3	32.4	42.7	71.3	45.2	46.1	42.2	33.5	30.0	27.2
95°	119.3	90.2	28.6	35.4	42.7	27.7	35.4	32.0	22.8	16.1	13.5
97.5°	52.9	42.7	25.6	28.2	30.0	22.8	30.0	25.6	13.5	7.7	6.8
100°	6.3	10.7	22.3	27.2	21.9	15.6	19.8	15.6	5.8	1.9	1.4
102.5°	6.8	4.8	9.8	24.2	12.6	4.8	5.8	5.8	2.4	1.0	1.0
105°	7.3	5.4	4.0	12.6	2.9	1.0	0.4	0.4	0.4	1.0	1.0
107.5°	6.8	4.8	2.4	1.9	1.4	1.0	0.0	0.0	0.0	1.0	1.4
110°	4.0	3.4	2.4	1.9	1.4	1.0	0.0	0.0	0.0	1.4	1.9



REPORT NUMBER: P254681

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-CL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	1.9	2.4
115°	3.4	2.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	2.4	2.9
117.5°	4.0	3.4	1.9	1.4	1.0	0.0	0.0	0.0	0.0	2.9	2.9
120°	4.0	3.4	1.9	1.4	0.4	0.0	0.0	0.0	0.0	2.4	2.9
122.5°	4.0	3.4	1.9	1.0	0.4	0.0	0.0	0.0	0.0	2.4	2.9
125°	3.4	3.4	1.9	1.0	0.4	0.0	0.0	0.0	0.0	2.4	2.4
127.5°	3.4	2.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	1.9	2.4
130°	2.9	2.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	1.4	1.9
132.5°	2.4	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0
135°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)