

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: P255113

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)  
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-T3-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4063.3 lumens  
Efficiency: N/A  
Efficacy: 101.6 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): 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

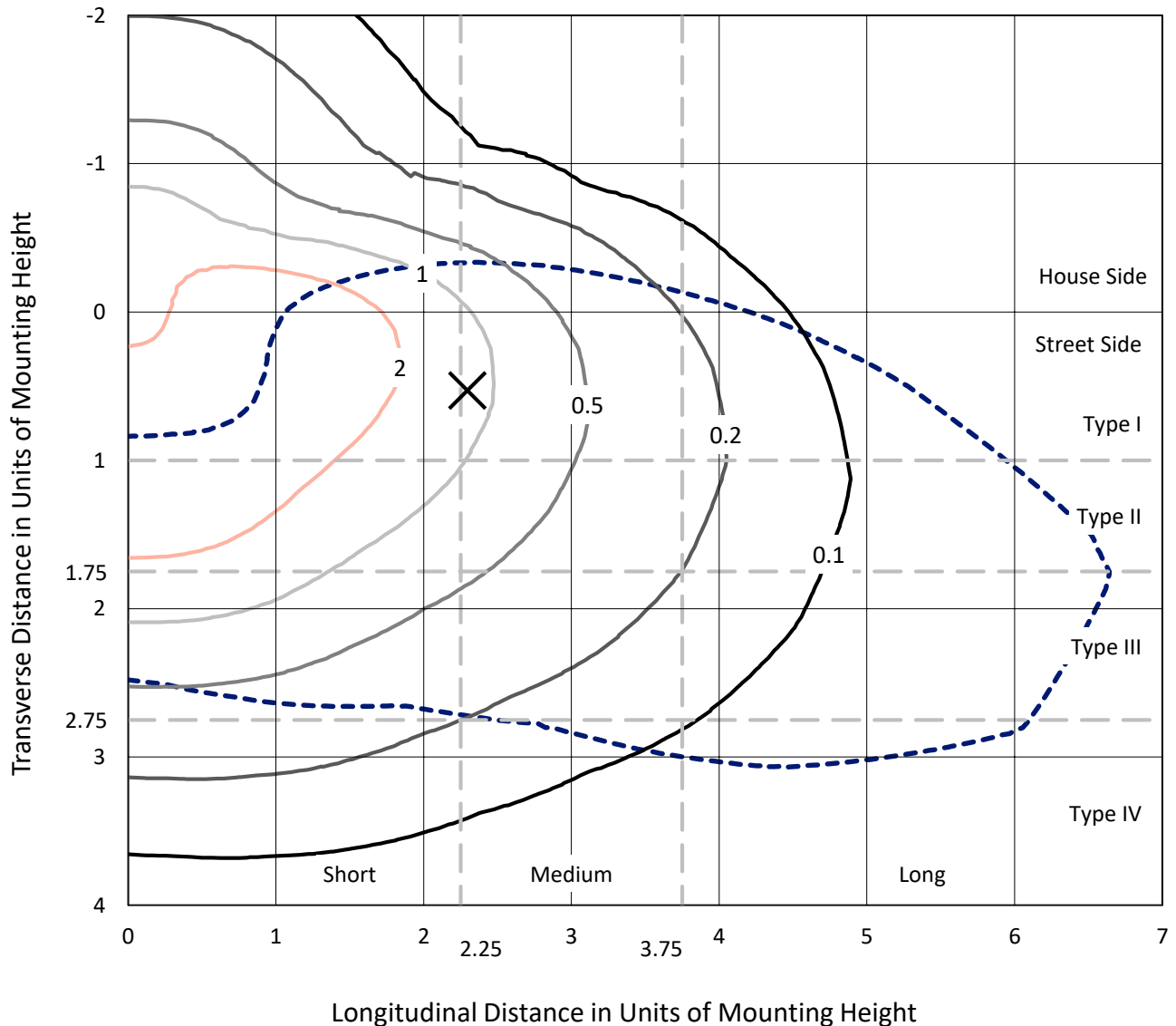


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

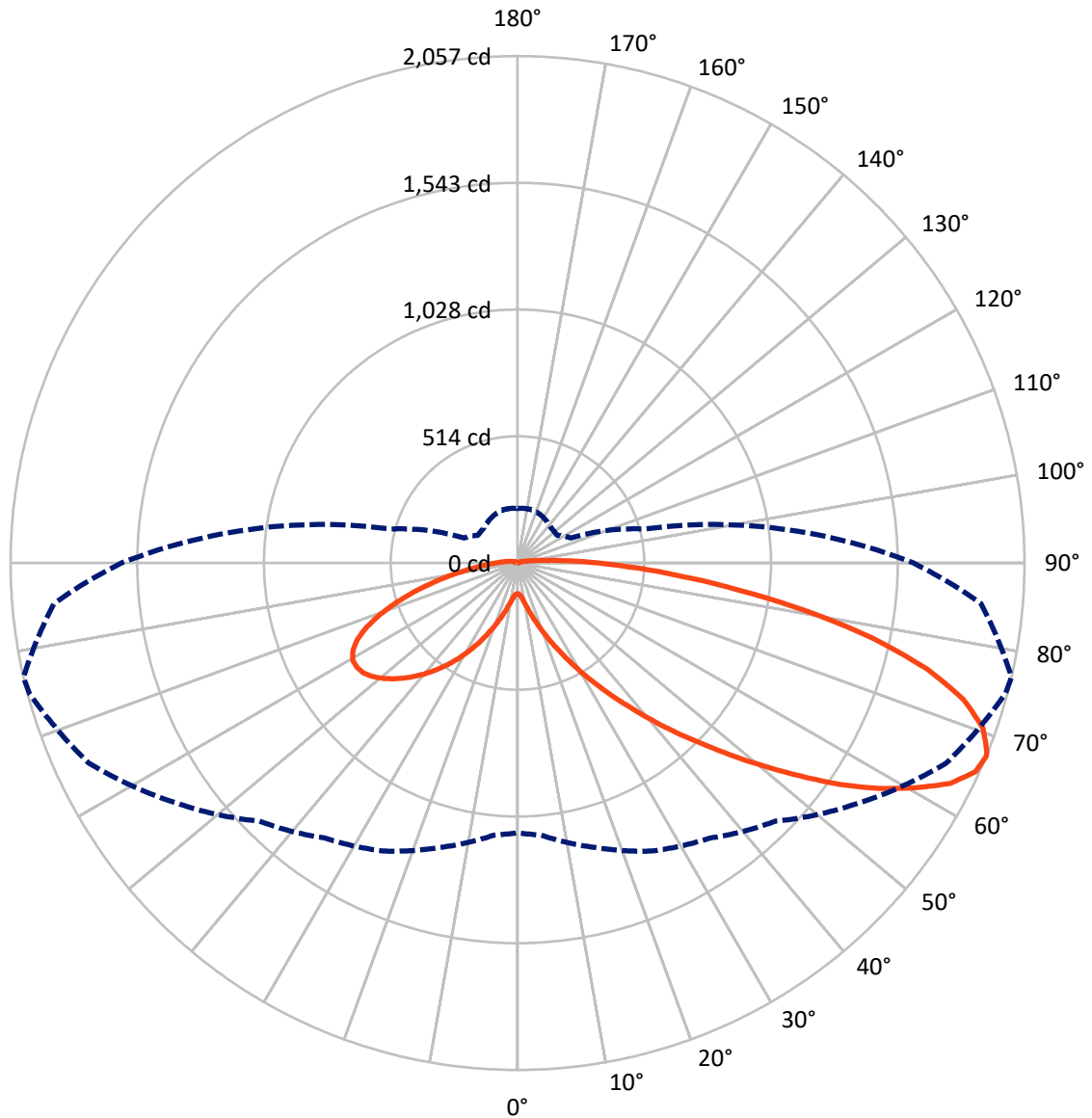


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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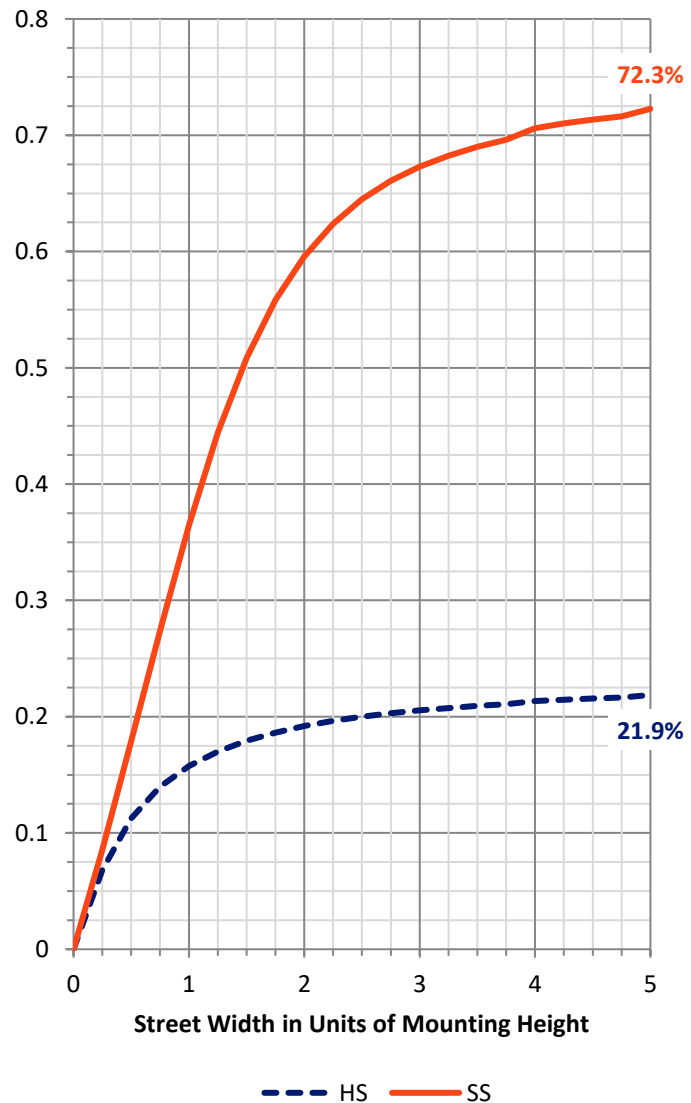
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	927.9	56.0	983.9
	% Fixture	22.8	1.4	24.2
<b>Street Side</b>	Lumens	3012.7	66.8	3079.5
	% Fixture	74.1	1.6	75.8
<b>Total</b>	Lumens	3940.5	122.8	4063.3
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	60.1	1.5
20°-30°	158.0	3.9
30°-40°	323.1	8.0
40°-50°	560.0	13.8
50°-60°	830.6	20.4
60°-70°	963.9	23.7
70°-80°	728.1	17.9
80°-90°	303.4	7.5
90°-100°	80.4	2.0
100°-110°	26.1	0.6
110°-120°	10.4	0.3
120°-130°	3.9	0.1
130°-140°	1.5	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3940.5	97.0
0°-180°	4063.3	100.0

**Coefficient of Utilization**



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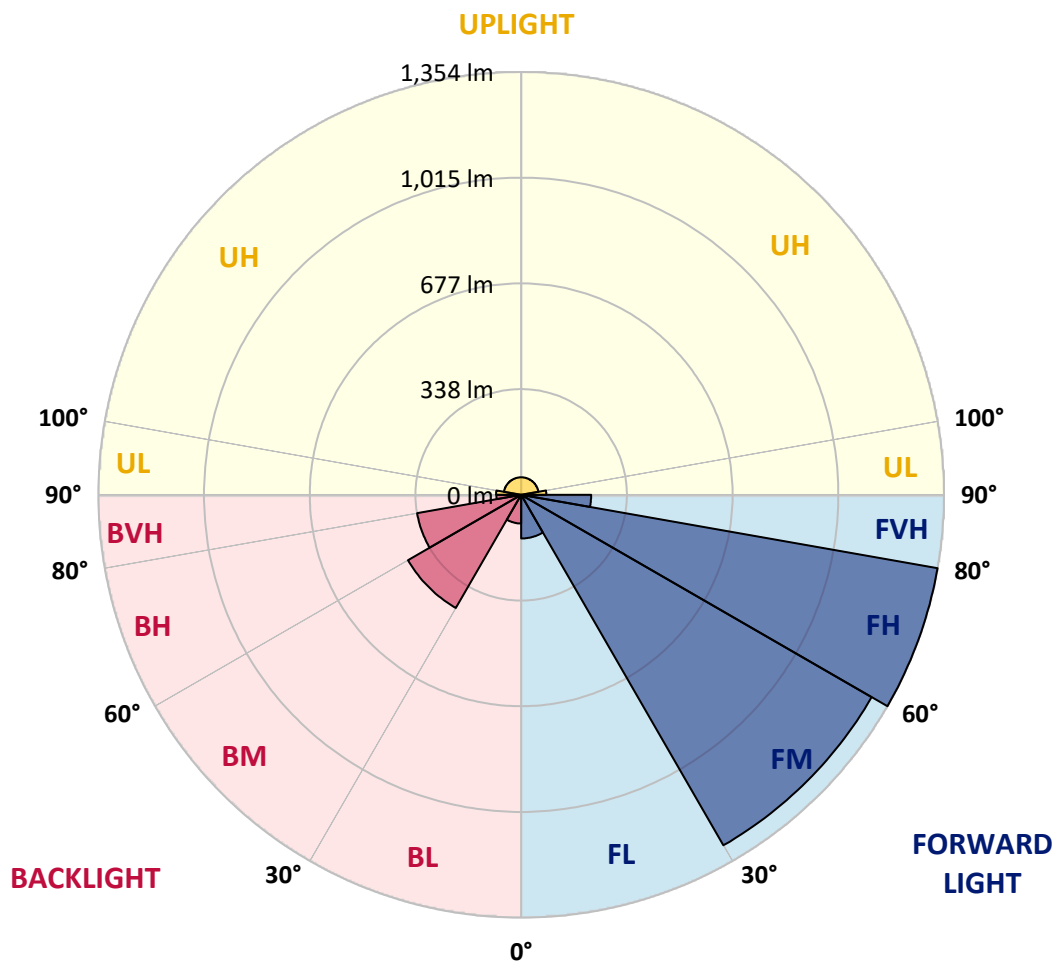
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.7	3.4			
FM (30°-60°)	1295.3	31.9			
FH (60°-80°)	1353.6	33.3			G1/1800
FVH (80°-90°)	224.1	5.5			G2/225
BL (0°-30°)	91.9	2.3	B0/110		
BM (30°-60°)	418.3	10.3	B1/1000		
BH (60°-80°)	338.3	8.3	B1/500		G1/500
BVH (80°-90°)	79.3	2.0			G1/100
UL (90°-100°)	80.4	2.0		U3/500	
UH (100°-180°)	56.0	1.4		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
2.5°	130.4	130.4	131.4	131.0	131.0	130.0	129.5	128.1	127.1	127.1	126.6
5°	140.2	140.2	140.7	141.2	140.2	139.8	138.2	136.3	134.8	134.8	133.9
7.5°	154.7	154.7	154.3	154.7	154.3	153.3	151.4	150.3	147.5	147.9	146.5
10°	175.6	175.6	174.6	175.6	173.1	172.2	170.8	169.3	165.8	166.8	164.4
12.5°	205.2	205.2	204.2	202.7	199.4	197.4	196.4	195.5	192.7	193.1	190.1
15°	240.6	240.2	239.2	237.2	231.8	229.5	227.0	225.5	223.1	224.1	221.1
17.5°	282.3	281.4	277.9	275.0	269.7	265.8	262.4	261.0	258.1	258.5	254.7
20°	330.3	329.4	325.0	320.6	312.9	307.6	304.2	300.8	297.8	300.8	293.5
22.5°	387.1	388.1	378.8	372.0	360.4	353.7	349.3	346.4	343.4	345.8	337.6
25°	452.2	451.6	441.4	432.6	416.2	404.6	398.2	396.3	394.9	396.8	390.9
27.5°	526.7	524.9	513.7	495.3	476.8	458.9	450.5	452.2	451.6	453.1	447.2
30°	609.7	608.8	593.3	567.0	542.8	518.6	510.8	510.4	514.7	517.6	506.0
32.5°	701.5	702.4	681.6	647.6	611.7	585.0	577.8	578.7	584.5	584.0	575.2
35°	802.8	802.8	780.9	738.3	690.7	656.3	648.0	657.3	660.7	661.7	648.6
37.5°	911.0	909.5	889.2	833.8	779.6	734.4	719.8	731.5	744.6	743.2	729.6
40°	1026.9	1023.0	996.3	934.7	868.7	814.4	797.9	815.9	834.8	835.9	819.3
42.5°	1137.5	1134.1	1106.5	1040.4	961.4	905.6	887.1	907.1	934.2	936.7	907.1
45°	1241.3	1240.8	1215.6	1147.7	1061.4	996.9	978.4	1004.6	1042.5	1042.5	1011.4
47.5°	1339.3	1333.5	1317.0	1249.1	1167.6	1091.4	1073.5	1109.8	1162.2	1163.7	1127.3
50°	1414.5	1410.6	1402.4	1340.7	1257.8	1189.0	1172.5	1226.8	1287.8	1293.2	1248.7
52.5°	1466.4	1462.6	1468.8	1420.8	1346.1	1285.0	1279.1	1346.6	1426.2	1434.9	1381.5
55°	1486.8	1488.2	1508.6	1477.0	1417.8	1369.3	1390.3	1473.7	1567.8	1584.7	1514.9
57.5°	1476.5	1480.9	1516.8	1510.1	1468.8	1437.3	1492.1	1596.9	1709.9	1725.9	1645.9
60°	1423.2	1432.4	1485.3	1503.3	1487.8	1498.0	1582.3	1721.5	1844.8	1852.1	1771.5
62.5°	1336.4	1346.6	1415.9	1462.6	1472.7	1519.8	1648.2	1826.3	1956.9	1969.4	1852.1
65°	1213.3	1227.7	1304.9	1385.9	1426.6	1512.9	1691.5	1894.2	2028.1	2041.2	1892.8
67°	1093.8	1108.4	1193.7	1289.4	1362.1	1480.9	1694.8	1919.4	2048.9	2056.7	1887.5
67.5°	1061.4	1076.4	1161.8	1261.7	1341.7	1468.3	1692.0	1921.9	2048.9	2053.8	1880.2
70°	883.8	903.7	990.6	1105.4	1211.2	1381.0	1649.3	1891.3	2012.5	2003.4	1791.5
72.5°	699.0	717.4	802.3	924.2	1045.4	1249.1	1553.2	1801.1	1901.9	1890.8	1645.3
75°	522.5	538.0	619.4	737.8	866.3	1075.8	1402.9	1654.6	1725.9	1714.3	1443.6
77.5°	374.0	386.6	456.9	565.6	684.4	887.1	1200.5	1447.0	1491.6	1478.1	1198.6
80°	257.1	272.2	322.6	419.5	521.5	694.2	968.2	1178.7	1209.8	1195.8	936.7
82.5°	169.8	178.0	222.7	301.2	386.1	526.3	740.2	914.4	941.0	907.1	694.7
85°	110.6	112.5	146.5	207.1	278.4	382.2	542.8	671.8	684.0	658.8	494.3
87.5°	68.0	70.8	94.6	135.8	192.1	269.3	383.7	469.6	471.5	451.1	333.8
90°	43.7	45.6	60.6	88.3	130.4	183.3	258.5	311.9	310.4	294.5	212.9
92.5°	30.0	31.0	42.2	60.6	84.9	120.7	165.8	197.0	194.1	184.8	134.4
95°	21.9	22.8	31.0	44.1	59.2	79.5	103.4	119.3	116.0	110.2	84.4
97.5°	16.1	16.9	23.8	33.5	44.1	54.8	66.4	71.3	70.4	67.4	56.3
100°	12.1	13.1	18.5	26.2	34.4	40.8	46.6	47.1	45.6	44.6	40.8
102.5°	10.2	10.7	15.1	21.9	28.2	32.4	35.0	34.4	32.4	32.0	30.0
105°	8.7	9.2	13.1	18.5	23.3	27.2	28.2	26.7	24.2	23.8	22.8
107.5°	7.7	7.7	11.2	16.1	20.3	22.8	23.3	20.9	17.9	17.5	16.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	6.8	6.8	9.8	13.5	17.5	19.4	19.4	16.5	12.6	12.1	12.6
112.5°	5.8	6.3	8.2	11.7	15.1	16.5	16.1	13.1	9.2	8.7	9.2
115°	5.4	5.4	7.3	10.2	12.6	14.1	13.1	9.8	6.8	6.3	6.8
117.5°	4.8	4.8	6.3	8.7	10.7	11.7	10.7	7.7	4.8	4.8	5.4
120°	4.4	4.4	5.4	7.3	9.2	9.8	8.2	5.8	4.0	4.0	4.4
122.5°	4.0	4.0	4.8	6.3	7.7	7.7	6.8	4.4	2.9	2.9	3.4
125°	3.4	4.0	4.4	5.4	6.3	6.3	5.4	3.4	2.4	2.9	3.4
127.5°	3.4	3.4	4.0	4.4	5.4	5.4	4.4	2.4	2.4	2.4	2.9
130°	2.9	2.9	3.4	4.0	4.4	4.4	3.4	1.9	2.4	2.4	2.9
132.5°	2.9	2.9	2.9	3.4	3.4	3.4	2.4	1.9	1.9	2.4	2.4
135°	2.4	2.4	2.4	2.9	2.9	2.4	1.4	1.4	1.9	1.9	2.4
137.5°	1.9	1.9	2.4	1.9	1.9	1.9	1.4	1.4	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.4	1.4	1.0	1.0	1.4	1.4	1.9	1.9
142.5°	1.0	1.4	1.4	1.0	1.0	0.4	1.0	1.0	1.4	1.4	1.4
145°	0.4	0.4	1.0	0.4	0.4	0.4	0.4	1.0	1.0	1.4	1.4
147.5°	0.0	0.4	0.4	0.4	0.0	0.0	0.4	0.4	1.0	1.0	1.0
150°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
2.5°	126.0	125.6	124.2	123.3	122.7	122.3	121.8	121.3	121.3	121.3	121.3
5°	132.9	132.4	130.0	128.1	126.6	125.1	124.2	123.3	122.7	122.3	121.8
7.5°	145.0	143.5	140.7	137.2	133.9	131.0	129.0	128.1	126.6	126.0	125.6
10°	163.1	161.4	156.2	150.3	145.0	140.7	137.2	135.4	134.4	133.4	133.4
12.5°	187.7	186.8	177.5	170.2	160.1	153.3	149.3	147.9	147.5	146.5	147.0
15°	217.3	215.3	203.2	192.1	178.5	170.2	164.4	162.0	161.0	159.6	160.1
17.5°	251.3	245.0	230.9	213.9	197.4	187.3	179.5	175.2	173.6	172.7	173.1
20°	288.7	282.3	261.0	236.8	216.9	203.8	193.1	187.7	185.7	185.7	185.7
22.5°	331.8	323.5	293.9	261.4	235.2	216.9	204.8	199.4	197.4	197.4	197.9
25°	381.4	367.6	329.9	287.7	252.7	228.1	215.3	209.6	208.1	208.1	208.5
27.5°	435.1	416.8	366.7	311.4	265.4	235.8	222.2	217.3	216.4	216.4	216.9
30°	493.9	469.6	404.6	332.8	275.0	240.6	226.0	222.2	221.7	222.2	222.2
32.5°	555.9	528.3	442.0	350.7	281.4	243.0	228.5	226.0	225.5	226.5	225.5
35°	623.4	586.5	479.2	365.3	285.2	243.5	229.5	228.1	228.1	227.5	227.0
37.5°	696.1	647.2	513.7	376.0	285.2	242.5	229.0	228.5	228.5	227.5	226.5
40°	779.6	713.0	545.8	382.2	282.3	239.6	228.1	228.1	227.5	225.5	224.6
42.5°	860.5	781.4	576.3	383.2	277.4	235.8	226.5	227.5	226.5	222.7	221.7
45°	950.8	855.7	603.4	381.8	270.6	231.8	225.1	227.0	225.1	220.2	219.3
47.5°	1055.6	935.7	627.2	376.0	261.9	227.5	223.1	225.5	224.6	218.7	217.8
50°	1163.2	1015.8	646.2	367.6	253.3	223.7	221.7	225.1	224.1	217.8	216.9
52.5°	1275.7	1098.7	659.7	354.5	243.9	219.7	220.2	224.6	224.6	218.3	217.3
55°	1387.3	1173.9	666.1	338.0	234.3	216.4	218.7	224.6	226.0	219.7	218.7
57.5°	1490.2	1234.5	662.6	319.1	225.1	212.5	217.8	224.1	227.0	221.1	220.2
60°	1576.1	1287.8	648.0	298.9	217.3	209.1	216.4	224.1	227.5	223.1	222.2
62.5°	1628.4	1306.7	618.5	277.0	209.6	205.2	213.9	223.1	227.0	223.7	222.7
65°	1638.6	1292.2	576.3	256.1	202.2	200.8	210.0	220.2	225.5	223.7	222.2
67°	1606.5	1249.1	532.1	239.6	196.0	196.4	206.6	217.3	223.7	223.1	221.1
67.5°	1592.5	1233.1	520.9	235.2	195.0	195.0	205.6	216.4	223.1	222.7	221.1
70°	1498.4	1137.1	456.9	214.9	187.3	188.7	199.4	211.5	218.7	219.3	218.3
72.5°	1348.5	1002.7	392.5	195.5	178.5	180.5	191.1	203.2	211.5	212.5	211.0
75°	1151.0	844.5	328.5	178.0	168.8	170.2	181.0	192.7	201.2	202.7	201.2
77.5°	951.7	675.7	268.2	161.4	157.2	159.6	168.8	179.5	187.7	188.7	187.7
80°	728.1	512.8	213.9	146.0	144.5	147.0	154.7	164.0	171.2	172.2	171.2
82.5°	534.6	376.0	169.3	130.4	130.0	132.4	138.8	147.5	153.3	153.7	152.3
85°	381.4	265.4	134.8	113.5	114.5	115.5	121.3	128.1	132.9	133.4	130.4
87.5°	255.6	181.0	105.2	97.5	98.5	98.5	101.8	107.7	111.1	110.6	108.1
90°	166.8	123.3	84.9	82.9	83.5	83.5	84.9	88.7	91.7	90.2	88.7
92.5°	107.7	86.4	69.8	70.8	70.8	69.8	70.4	73.2	74.8	73.2	72.3
95°	73.2	63.6	58.2	59.6	60.2	58.2	58.2	59.6	60.6	58.7	57.3
97.5°	52.9	48.9	48.1	50.5	49.9	48.5	47.5	48.1	48.5	46.1	45.2
100°	39.8	38.8	39.4	42.2	41.7	40.2	39.4	38.8	38.4	35.9	35.4
102.5°	31.0	30.6	32.4	35.0	34.4	33.0	32.0	31.5	30.6	27.7	27.7
105°	23.8	24.2	26.7	29.1	28.6	27.7	26.7	25.6	23.8	21.3	21.3
107.5°	17.9	18.9	21.9	24.2	23.8	22.8	21.9	20.9	18.5	16.5	16.5



REPORT NUMBER: P255113

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	14.5	17.5	19.8	19.4	18.9	17.9	16.5	14.1	12.6	12.1
112.5°	10.2	11.2	14.1	16.1	16.1	15.6	14.5	13.1	10.7	9.8	9.2
115°	7.7	8.7	11.2	12.6	12.6	12.1	11.7	10.2	7.7	7.3	7.3
117.5°	6.3	6.8	8.7	10.2	10.2	9.8	9.2	7.7	5.8	5.8	5.8
120°	4.8	5.4	6.8	7.7	7.7	7.3	6.8	5.8	4.4	4.4	4.4
122.5°	4.4	4.4	5.4	6.3	5.8	5.8	5.4	4.4	3.4	3.4	3.4
125°	3.4	4.0	4.4	4.8	4.4	4.4	4.0	3.4	2.9	2.9	2.9
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.4	1.9	2.4	2.4
130°	2.9	2.9	2.9	2.9	2.4	2.4	1.9	1.4	1.4	1.9	1.9
132.5°	2.9	2.9	2.9	2.4	1.9	1.4	1.4	1.0	1.4	1.4	1.4
135°	2.4	2.4	2.4	1.9	1.4	1.0	0.4	0.4	1.0	1.0	1.0
137.5°	2.4	2.4	1.9	1.9	1.4	0.4	0.0	0.4	0.4	0.4	0.4
140°	1.9	1.9	1.9	1.4	1.0	0.4	0.0	0.0	0.4	0.4	0.0
142.5°	1.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0
145°	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	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)