

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: P255221

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255221  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)  
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-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.9 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 - G3

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

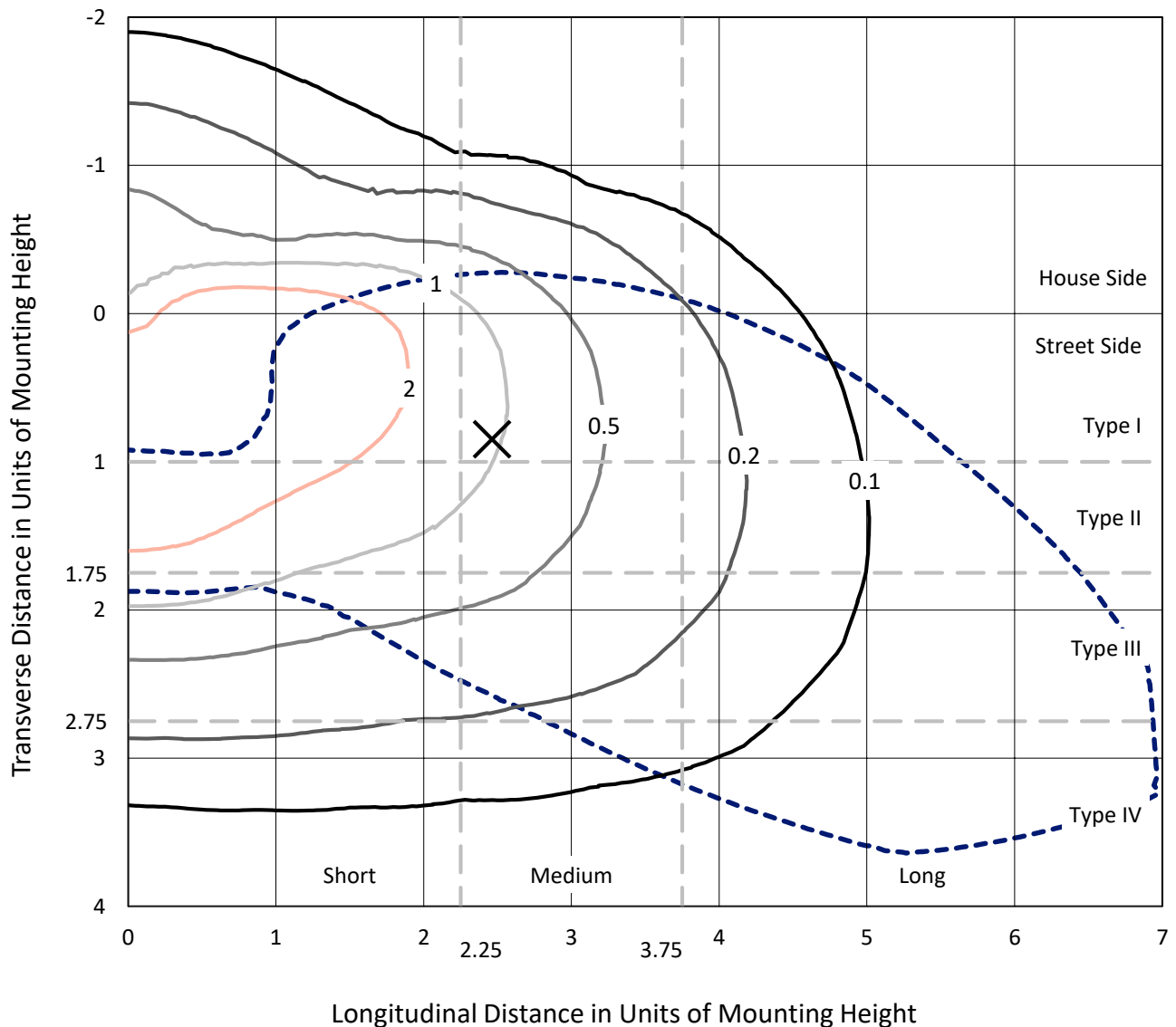


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

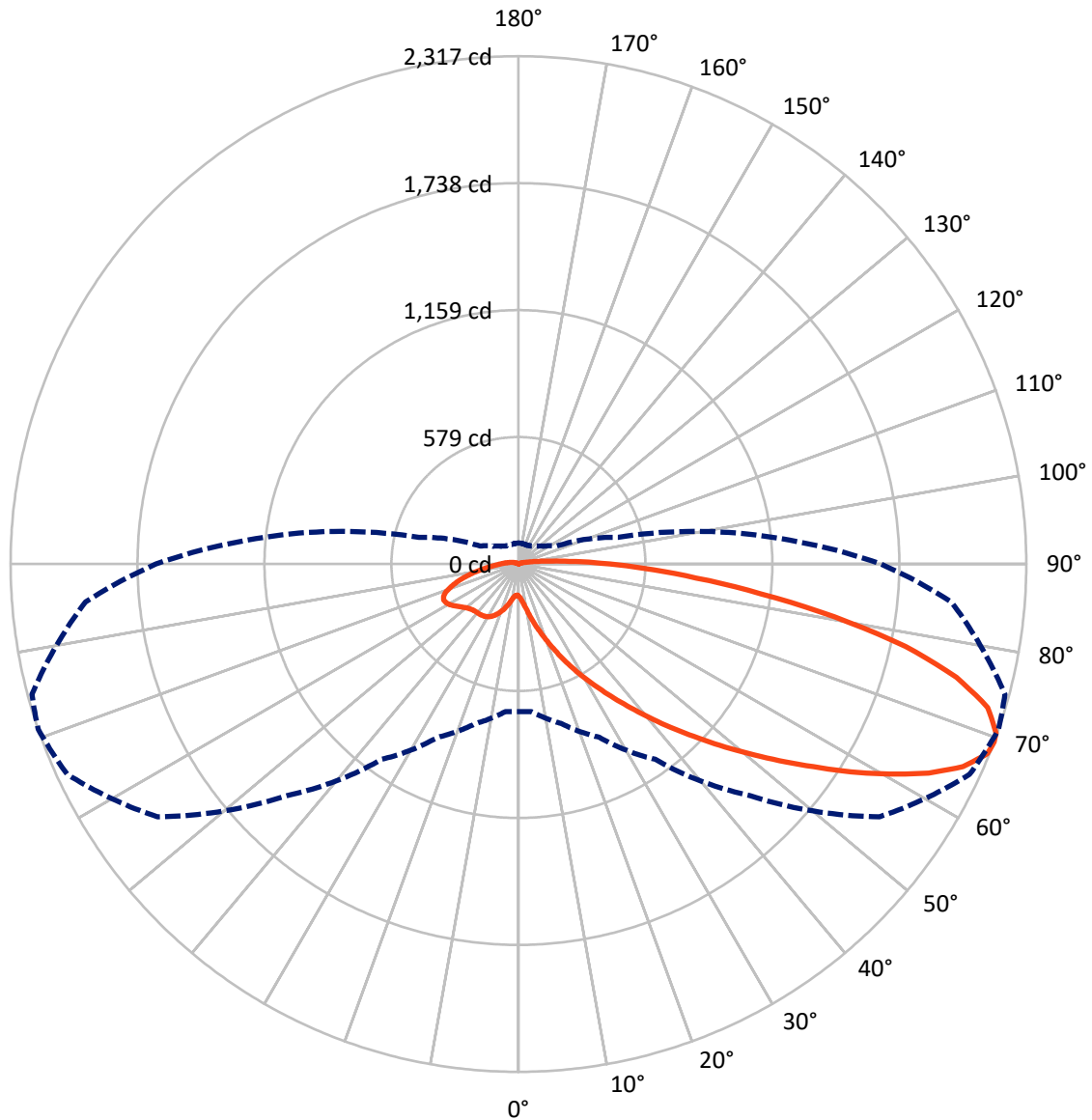


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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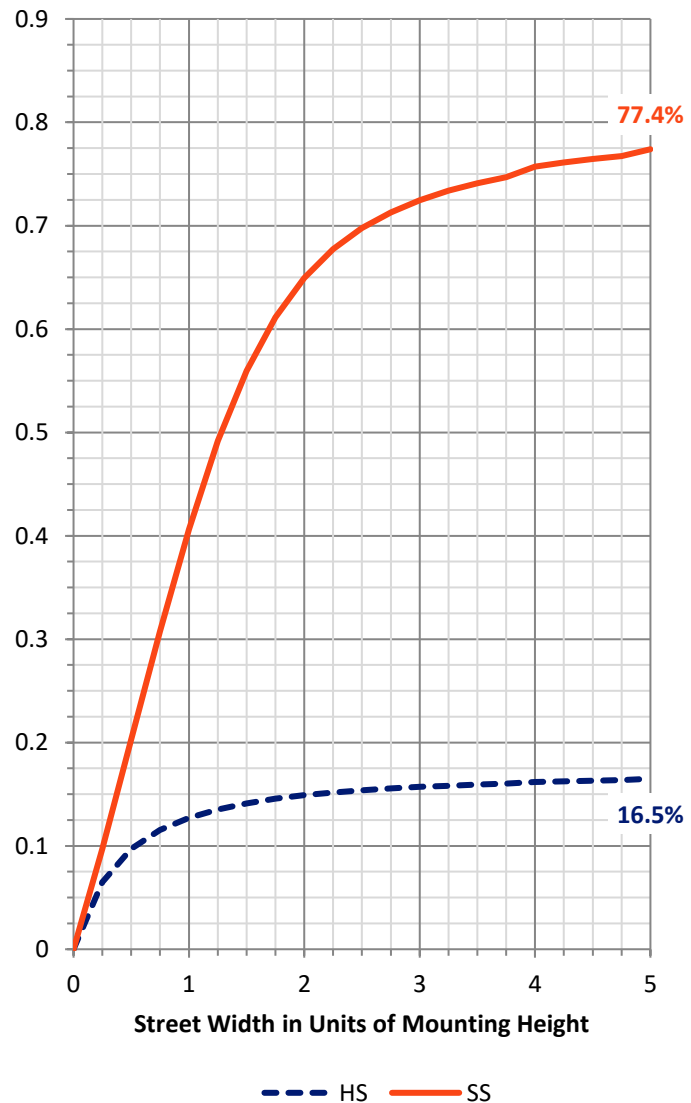
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	668.8	49.7	718.5
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	3097.5	76.9	3174.4
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	3766.3	126.6	3892.9
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	0.4
10°-20°	63.4	1.6
20°-30°	153.1	3.9
30°-40°	298.1	7.7
40°-50°	510.2	13.1
50°-60°	761.3	19.6
60°-70°	915.5	23.5
70°-80°	732.6	18.8
80°-90°	316.7	8.1
90°-100°	85.1	2.2
100°-110°	26.1	0.7
110°-120°	9.9	0.3
120°-130°	3.6	0.1
130°-140°	1.4	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°	3766.3	96.7
0°-180°	3892.9	100.0

**Coefficient of Utilization**



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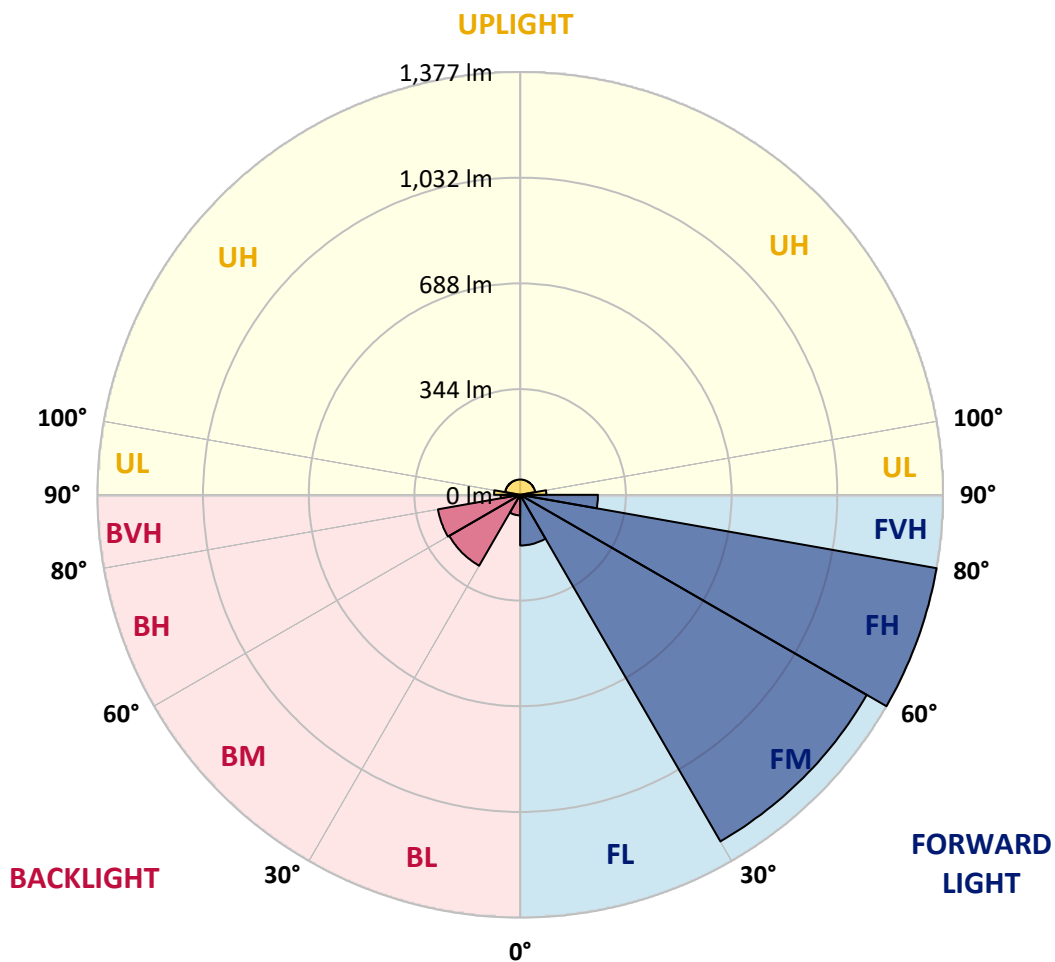
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.9	4.2			
FM	(30°-60°)	1302.9	33.5			
FH	(60°-80°)	1376.5	35.4			G1/1800
FVH	(80°-90°)	253.2	6.5			G3/500
BL	(0°-30°)	66.9	1.7	B0/110		
BM	(30°-60°)	266.7	6.9	B1/1000		
BH	(60°-80°)	271.6	7.0	B1/500		G1/500
BVH	(80°-90°)	63.5	1.6			G1/100
UL	(90°-100°)	85.1	2.2		U3/500	
UH	(100°-180°)	49.7	1.3		U2/50	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	165.4	165.4	165.0	165.4	163.1	162.0	159.1	156.2	154.3	153.7	149.3
5°	184.8	184.8	184.3	184.3	181.4	179.5	175.6	170.8	168.4	166.4	159.1
7.5°	207.1	206.6	206.2	206.6	204.2	199.8	196.4	190.1	187.7	183.9	174.6
10°	234.3	233.4	233.9	232.4	228.5	226.5	223.1	216.4	213.4	210.6	199.8
12.5°	267.2	267.2	266.3	263.5	259.5	258.5	257.1	253.3	249.3	245.4	230.4
15°	304.2	303.2	301.8	297.8	294.5	292.5	294.5	292.0	289.1	284.3	266.8
17.5°	346.4	344.3	342.0	337.2	331.8	332.8	334.7	332.8	328.9	327.4	306.6
20°	392.9	392.5	387.6	379.3	374.4	371.6	377.0	379.3	376.0	374.4	350.7
22.5°	448.2	444.8	438.4	428.3	419.5	414.7	420.5	429.3	428.3	426.4	401.2
25°	512.8	507.4	501.1	483.2	468.6	460.3	468.6	480.7	485.5	483.6	454.1
27.5°	585.0	577.8	567.5	546.8	523.0	506.4	518.1	534.1	546.2	547.2	511.3
30°	663.6	657.3	643.6	613.2	579.6	559.3	568.4	592.7	609.7	610.8	571.4
32.5°	753.4	746.6	719.4	686.9	643.6	615.5	624.8	656.3	676.7	683.5	636.9
35°	849.8	842.6	819.8	768.8	713.0	676.7	686.9	726.1	750.9	761.1	706.8
37.5°	952.7	940.6	914.4	857.5	794.6	748.0	752.8	798.9	832.9	846.0	784.8
40°	1053.1	1048.3	1012.9	946.4	870.2	819.8	824.2	878.0	920.7	935.7	868.3
42.5°	1156.0	1144.8	1111.2	1034.1	950.2	895.5	906.1	966.7	1019.2	1035.7	955.6
45°	1254.0	1244.3	1201.6	1119.6	1032.3	977.5	992.5	1067.7	1122.0	1143.8	1055.0
47.5°	1342.7	1330.1	1287.0	1198.1	1112.8	1063.7	1083.2	1172.5	1235.9	1261.2	1166.7
50°	1406.7	1396.6	1352.4	1265.5	1186.5	1154.6	1190.4	1286.4	1358.2	1392.2	1287.8
52.5°	1434.9	1429.9	1387.8	1309.7	1250.6	1244.7	1310.7	1409.1	1490.7	1527.6	1417.4
55°	1424.6	1417.4	1393.6	1331.1	1299.5	1332.5	1436.8	1549.3	1632.8	1672.5	1556.6
57.5°	1367.0	1362.1	1360.2	1320.8	1328.1	1416.4	1561.5	1706.5	1788.5	1820.5	1695.8
60°	1268.9	1266.1	1286.0	1284.1	1335.4	1484.9	1693.0	1872.9	1945.7	1982.5	1832.2
62.5°	1122.9	1129.7	1175.3	1214.6	1311.6	1530.4	1813.2	2024.7	2100.8	2127.6	1937.9
65°	952.2	964.3	1025.5	1105.4	1256.8	1549.3	1921.9	2156.7	2229.4	2239.2	2005.4
67.5°	762.5	782.0	854.7	965.8	1162.7	1532.0	1990.2	2245.4	2308.5	2296.4	2011.1
69°	673.2	675.8	752.8	872.2	1088.0	1494.5	2011.1	2271.6	2317.3	2298.3	1982.5
70°	607.8	611.7	687.9	811.0	1032.7	1458.2	2010.7	2277.9	2312.4	2282.8	1954.8
72.5°	450.1	464.7	540.4	667.5	890.6	1332.5	1945.7	2243.0	2239.6	2186.3	1806.9
75°	326.9	339.0	411.8	537.4	749.9	1167.1	1786.1	2098.5	2065.0	1996.6	1580.9
77.5°	233.4	236.8	301.2	422.5	619.0	977.0	1542.0	1840.4	1805.5	1703.2	1294.7
80°	157.7	160.6	213.4	319.7	498.2	802.8	1269.5	1508.7	1462.0	1351.0	982.8
82.5°	101.8	107.2	148.9	234.8	390.0	647.6	1002.7	1168.5	1115.2	1015.8	722.8
85°	71.3	72.7	103.4	169.8	293.1	501.1	761.5	869.7	814.4	732.5	504.4
87.5°	47.5	48.9	72.7	123.3	213.4	366.7	553.5	617.0	569.5	503.4	336.2
90°	30.0	32.4	50.5	87.9	153.7	256.1	382.7	413.3	379.3	325.5	208.5
92.5°	21.3	22.3	35.4	63.1	109.2	175.6	249.7	261.9	232.8	197.4	126.0
95°	14.5	15.6	25.6	45.2	78.5	118.3	159.1	159.6	136.3	116.5	80.1
97.5°	10.7	11.7	19.4	33.5	56.3	81.0	101.4	96.0	82.0	71.3	55.8
100°	8.7	9.2	15.6	25.6	40.8	57.3	66.4	60.2	52.9	47.5	40.8
102.5°	7.3	7.7	13.1	20.9	30.6	40.8	45.2	40.2	35.9	33.0	30.6
105°	6.3	6.8	11.2	17.5	24.7	30.0	32.0	28.6	26.2	24.2	22.8
107.5°	5.8	6.3	9.8	15.1	20.3	24.2	25.2	21.9	19.4	17.5	16.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	5.4	5.8	8.7	13.1	17.5	20.3	19.8	16.9	14.1	12.1	12.1
112.5°	4.8	5.4	7.7	11.7	15.1	16.9	16.5	12.6	10.2	8.7	8.7
115°	4.4	4.8	6.8	10.2	13.1	14.1	13.1	9.8	7.3	5.8	6.8
117.5°	4.0	4.4	5.8	8.7	11.2	11.7	10.2	7.3	5.4	4.4	4.8
120°	4.0	4.0	5.4	7.3	9.2	9.8	8.2	5.4	4.0	3.4	4.0
122.5°	3.4	4.0	4.8	6.3	7.7	7.7	6.3	4.0	2.9	2.9	3.4
125°	3.4	3.4	4.0	5.4	6.3	6.3	4.8	2.9	2.4	2.9	3.4
127.5°	2.9	3.4	4.0	4.8	5.4	5.4	4.0	2.4	2.4	2.4	2.9
130°	2.9	2.9	3.4	4.0	4.4	4.0	2.9	1.9	1.9	2.4	2.9
132.5°	2.9	2.9	2.9	3.4	4.0	2.9	1.9	1.9	1.9	1.9	2.9
135°	2.4	2.4	2.4	2.9	2.9	1.9	1.4	1.4	1.9	1.9	2.4
137.5°	1.9	1.9	1.9	1.9	1.9	1.4	1.0	1.4	1.4	1.9	2.4
140°	1.4	1.4	1.4	1.4	1.4	0.4	1.0	1.0	1.4	1.4	1.9
142.5°	1.0	1.0	1.0	1.4	1.0	0.4	0.4	1.0	1.4	1.4	1.9
145°	0.4	0.4	1.0	1.0	0.4	0.0	0.4	1.0	1.0	1.4	1.4
147.5°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	1.0	1.0	1.4
150°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.4	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	1.0
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°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	147.9	146.5	143.1	139.8	136.3	133.9	131.9	131.4	130.0	128.6	129.0
5°	155.7	152.3	146.5	139.2	132.4	126.6	122.3	118.3	116.0	113.0	113.5
7.5°	169.8	164.4	154.3	142.1	131.0	121.8	113.0	108.1	104.4	102.3	101.8
10°	191.1	183.9	166.8	149.3	132.4	118.9	108.1	101.8	98.0	95.6	95.6
12.5°	221.2	210.6	186.3	161.0	137.7	119.3	106.7	100.4	96.5	95.0	95.0
15°	254.1	240.2	207.6	173.1	143.1	120.7	107.2	100.4	97.0	95.6	95.0
17.5°	291.0	272.2	228.5	183.3	147.5	123.7	107.7	100.4	97.0	96.0	95.6
20°	330.8	307.0	249.7	193.1	150.9	124.2	107.2	100.0	97.5	97.0	97.0
22.5°	375.5	344.3	270.2	201.2	152.9	122.7	105.8	99.4	98.0	98.5	98.5
25°	422.1	383.2	289.6	206.2	150.9	119.3	104.4	99.4	99.0	100.4	100.4
27.5°	471.5	422.1	306.6	209.6	147.0	114.5	101.8	99.4	100.0	101.8	101.8
30°	523.4	461.8	321.1	209.1	142.1	110.6	100.4	99.0	100.8	103.8	103.8
32.5°	578.2	503.0	333.2	206.2	136.3	107.7	99.0	99.4	102.3	105.8	106.2
35°	634.5	541.8	343.0	200.4	131.0	105.2	99.0	100.4	103.8	107.7	108.1
37.5°	697.1	585.5	351.7	195.0	127.1	104.4	99.4	100.8	104.8	109.2	110.2
40°	764.5	633.0	358.1	188.3	124.2	104.8	100.4	101.8	105.2	110.2	111.1
42.5°	836.3	681.6	364.8	182.9	121.8	105.2	101.8	102.3	105.8	111.1	112.1
45°	917.8	735.9	372.6	178.0	121.3	107.2	102.8	102.3	105.2	112.1	112.5
47.5°	1010.8	803.8	384.1	174.6	121.3	108.6	103.8	102.3	104.8	112.1	113.0
50°	1112.8	875.0	398.2	173.6	122.7	110.6	104.8	102.3	104.4	110.2	111.1
52.5°	1221.0	955.6	417.2	174.2	124.7	112.1	105.8	101.8	102.8	107.2	107.7
55°	1341.2	1041.5	438.4	177.0	127.7	113.9	106.2	100.8	100.8	103.8	103.8
57.5°	1459.1	1130.8	461.8	180.5	131.4	116.0	106.2	100.0	99.4	101.4	101.4
60°	1568.3	1205.4	484.6	184.8	134.8	116.9	105.8	99.0	98.0	99.4	100.0
62.5°	1659.4	1266.1	498.7	189.7	137.7	117.4	104.8	98.0	97.0	98.5	98.5
65°	1699.2	1295.2	501.6	193.1	140.7	116.9	103.4	96.5	96.0	97.0	97.5
67.5°	1692.4	1278.7	487.6	193.5	141.6	116.5	101.8	95.0	95.0	96.0	96.0
69°	1653.6	1243.3	469.6	192.7	141.6	114.9	100.4	94.1	94.6	95.6	95.6
70°	1616.8	1205.4	452.2	190.1	141.2	113.9	99.0	93.1	94.1	95.0	95.0
72.5°	1475.1	1081.7	406.0	182.4	137.2	110.6	96.0	90.2	92.3	94.1	93.6
75°	1269.9	917.2	351.7	170.2	131.0	105.8	92.3	86.9	89.7	92.3	91.7
77.5°	1022.0	733.4	294.9	156.2	123.3	99.4	87.3	82.9	86.4	89.3	88.7
80°	777.6	563.2	239.6	140.7	113.0	92.7	82.0	78.1	82.5	84.9	84.4
82.5°	568.4	411.8	188.3	125.1	103.4	85.3	75.7	72.7	77.1	79.5	78.5
85°	394.3	287.7	145.6	108.1	92.7	77.1	68.9	66.9	70.8	72.7	71.8
87.5°	260.5	194.1	112.5	93.6	82.5	69.4	62.6	60.6	64.5	65.4	65.0
90°	165.4	130.0	89.3	80.6	72.7	61.6	55.8	54.8	57.7	58.2	56.7
92.5°	105.8	89.3	72.3	69.4	63.6	54.8	49.9	48.5	51.0	51.0	49.5
95°	73.2	66.4	59.2	59.6	55.2	48.1	43.7	43.1	44.1	43.1	42.7
97.5°	52.9	50.5	48.9	51.0	48.1	41.7	38.4	37.3	37.8	36.4	35.9
100°	40.2	39.8	40.8	42.7	40.8	35.9	33.0	32.4	32.0	29.6	29.6
102.5°	31.0	31.0	33.5	36.4	34.4	30.6	28.6	27.7	26.2	23.8	23.3
105°	23.8	24.2	27.7	30.0	29.1	25.6	24.2	22.8	20.9	18.5	18.5
107.5°	17.9	18.9	22.3	24.7	23.8	21.3	19.8	18.5	16.5	14.1	14.5



REPORT NUMBER: P255221

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	14.5	17.9	19.8	19.4	17.9	16.5	15.1	12.6	10.7	11.2
112.5°	10.2	11.2	14.1	16.1	16.1	14.5	13.1	11.7	9.2	8.2	8.2
115°	7.7	8.7	11.2	12.6	12.6	11.2	10.2	8.7	6.8	6.3	6.3
117.5°	5.8	6.8	8.7	10.2	9.8	8.7	7.7	6.8	5.4	4.8	4.8
120°	4.8	5.4	6.8	7.7	7.3	6.8	5.8	4.8	4.0	4.0	4.0
122.5°	4.0	4.4	5.4	5.8	5.4	4.8	4.4	3.4	2.9	2.9	2.9
125°	3.4	4.0	4.4	4.4	4.0	3.4	2.9	2.4	1.9	2.4	2.4
127.5°	3.4	3.4	4.0	3.4	2.9	2.4	1.9	1.4	1.4	1.9	1.9
130°	2.9	3.4	3.4	2.9	2.4	1.4	1.4	1.0	1.0	1.4	1.4
132.5°	2.9	2.9	2.9	2.4	1.9	1.0	0.4	0.4	1.0	1.0	1.0
135°	2.4	2.9	2.4	1.9	1.4	1.0	0.0	0.4	0.4	0.4	0.4
137.5°	2.4	2.4	2.4	1.9	1.0	0.4	0.0	0.0	0.4	0.0	0.0
140°	1.9	1.9	1.9	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.0	0.4	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°	1.4	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	0.0	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)