

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: P266060

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266060
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3542.2 lumens
Efficiency: N/A
Efficacy: 88.6 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 - U2 - 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

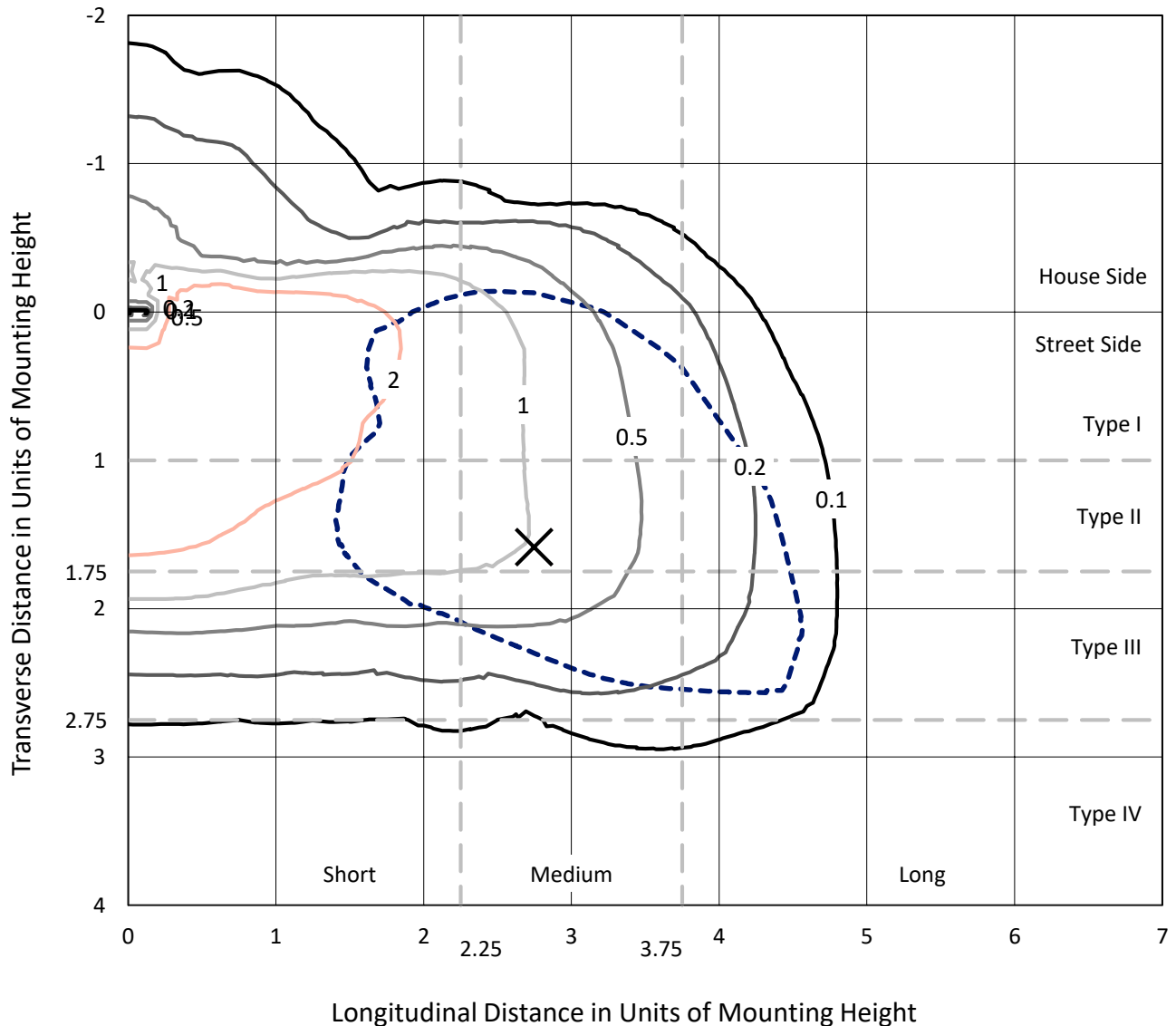


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Iso-Footcandle Lines of Horizontal Illumination

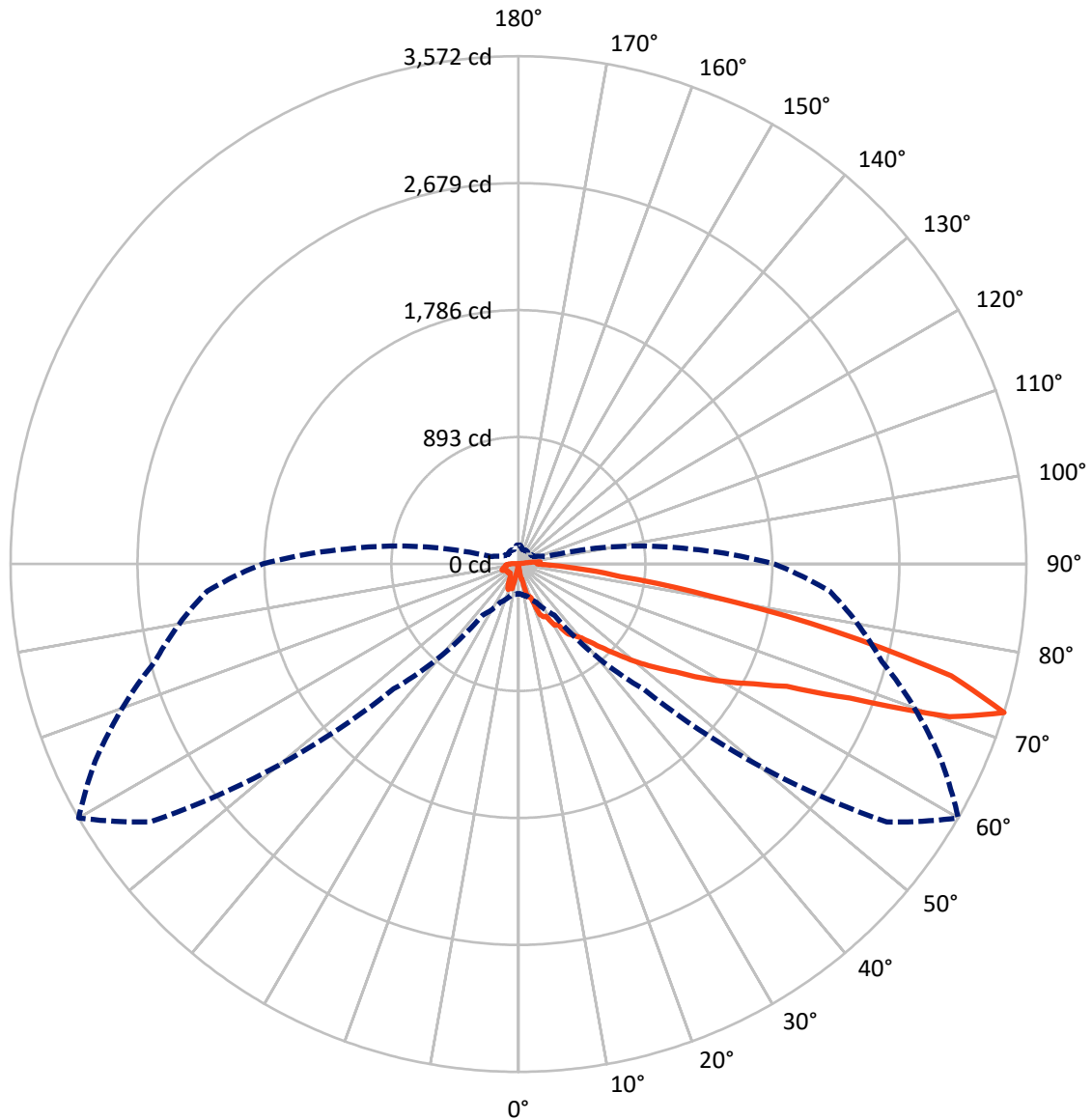
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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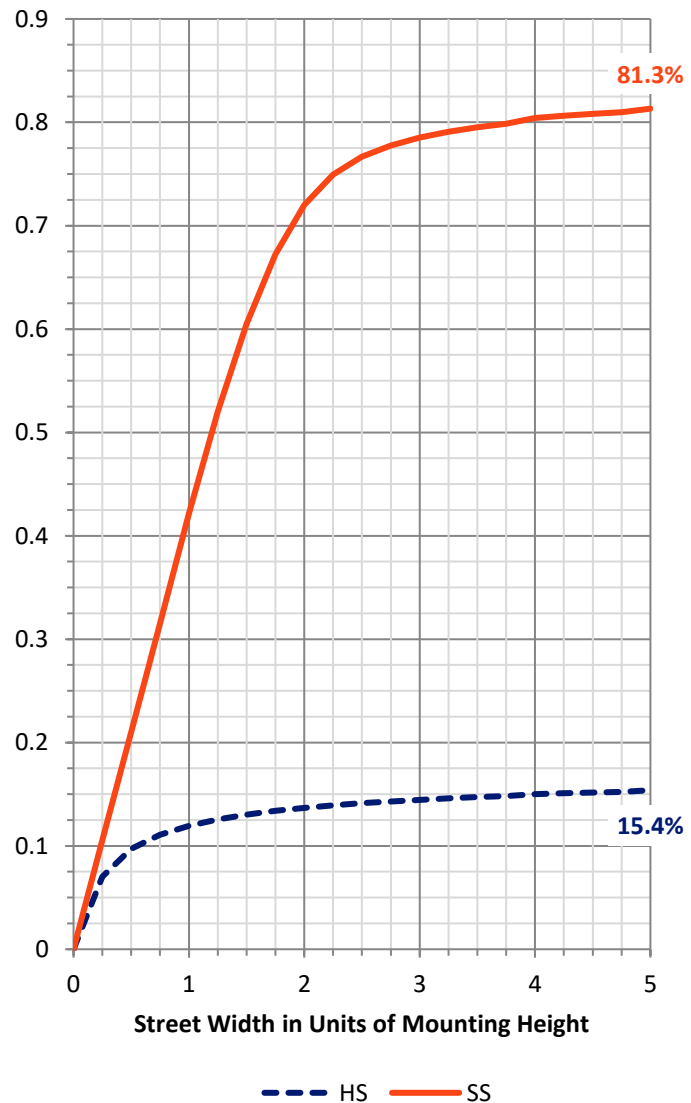
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.8	23.1	597.9
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	2914.8	29.5	2944.3
	% Fixture	82.3	0.8	83.1
Total	Lumens	3489.6	52.6	3542.2
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	47.5	1.3
20°-30°	139.3	3.9
30°-40°	277.4	7.8
40°-50°	477.0	13.5
50°-60°	729.7	20.6
60°-70°	919.8	26.0
70°-80°	732.2	20.7
80°-90°	162.9	4.6
90°-100°	45.8	1.3
100°-110°	4.5	0.1
110°-120°	0.9	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°	3489.6	98.5
0°-180°	3542.2	100.0

Coefficient of Utilization



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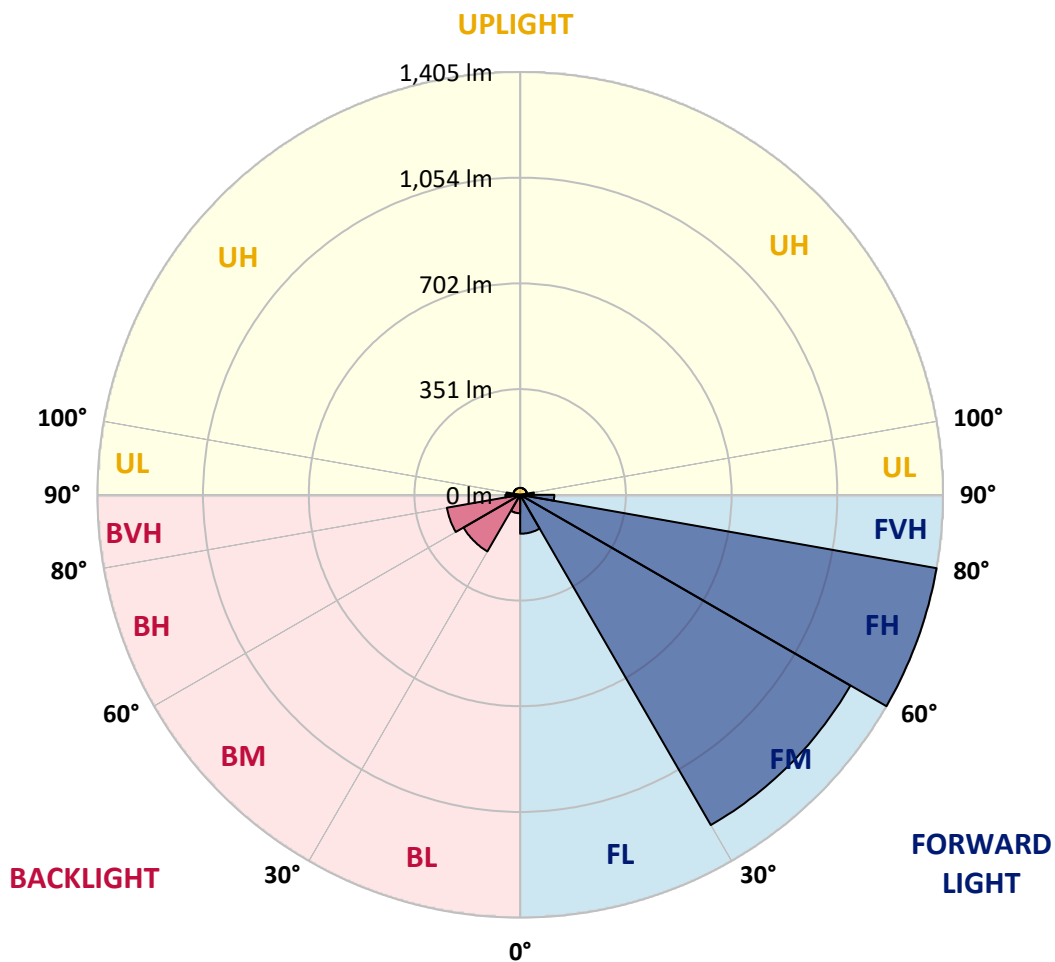
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.4	3.7			
FM (30°-60°)	1267.2	35.8			
FH (60°-80°)	1405.0	39.7			G1/1800
FVH (80°-90°)	113.3	3.2			G2/225
BL (0°-30°)	61.3	1.7	B0/110		
BM (30°-60°)	217.0	6.1	B0/220		
BH (60°-80°)	247.0	7.0	B1/500		G1/500
BVH (80°-90°)	49.6	1.4			G1/100
UL (90°-100°)	45.8	1.3		U2/50	
UH (100°-180°)	23.1	0.7		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.7	2.2	1.7	2.2	2.2	1.7	1.3	1.7	1.7	1.7	1.3
5°	108.5	109.9	98.1	76.6	14.8	10.5	3.6	2.2	2.2	1.7	1.7
7.5°	109.4	110.2	115.1	113.2	115.5	110.2	38.4	11.3	4.9	2.2	1.7
10°	117.7	117.1	115.9	118.5	118.0	112.4	108.5	103.8	23.5	3.1	2.6
12.5°	227.0	227.9	222.2	179.5	125.0	115.9	112.0	108.5	88.5	63.2	146.9
15°	228.8	227.5	221.3	231.0	227.5	132.9	186.0	237.5	239.2	177.8	204.4
17.5°	240.6	237.5	230.1	223.6	222.2	265.4	249.6	236.7	240.9	207.0	221.3
20°	327.3	324.2	320.2	312.4	238.0	302.9	302.0	252.3	254.5	413.1	402.6
22.5°	332.6	327.3	324.2	319.8	356.0	297.6	358.2	383.8	385.3	438.4	424.9
25°	441.8	440.1	412.6	332.6	355.1	338.7	411.0	411.9	403.1	461.0	506.4
27.5°	489.3	475.5	450.1	435.3	365.6	404.3	410.0	416.5	523.8	625.0	609.6
30°	657.6	639.2	502.4	489.3	433.2	410.4	473.2	498.1	541.7	627.5	631.4
32.5°	759.1	734.3	665.5	609.6	513.8	451.5	506.4	509.9	545.6	782.2	798.4
35°	938.2	905.5	745.6	678.8	600.1	537.7	524.7	606.5	655.4	816.6	826.6
37.5°	973.0	973.0	927.3	809.3	688.6	603.5	617.5	637.1	687.3	879.4	874.9
40°	1007.4	1011.4	1020.1	919.9	784.4	699.8	679.7	682.8	730.0	951.2	932.5
42.5°	1092.9	1089.9	1104.1	1005.4	913.3	806.9	773.9	757.4	791.3	1044.1	1005.4
45°	1240.6	1240.6	1229.7	1095.0	1011.0	914.2	882.9	852.3	864.6	1135.2	1105.0
47.5°	1423.6	1403.2	1345.2	1199.6	1096.4	1014.5	988.2	960.0	966.0	1243.3	1224.0
50°	1560.8	1539.1	1428.5	1275.5	1166.4	1119.0	1106.4	1085.5	1076.8	1346.1	1353.8
52.5°	1590.4	1563.9	1466.4	1322.0	1225.4	1227.1	1240.2	1210.0	1181.8	1456.7	1485.1
55°	1554.3	1539.5	1478.5	1357.3	1280.8	1318.6	1376.2	1338.3	1325.5	1577.9	1612.3
57.5°	1482.5	1476.4	1473.0	1387.1	1318.2	1418.9	1550.8	1508.7	1475.5	1689.9	1704.3
60°	1330.4	1332.5	1372.3	1386.5	1385.7	1524.2	1713.3	1679.4	1615.8	1798.0	1813.1
62.5°	1062.3	1077.6	1181.8	1283.3	1421.8	1685.5	1869.0	1857.2	1788.7	1921.3	1919.0
65°	670.7	700.3	854.9	1084.7	1372.6	1906.5	2120.4	2074.1	1984.8	2063.8	2096.5
67.5°	362.6	372.9	458.9	714.6	1188.3	2010.1	2665.5	2514.4	2307.7	2292.0	2298.1
70°	261.9	264.9	287.2	394.7	743.0	1842.9	3146.7	3216.3	2818.9	2537.8	2376.1
72.5°	207.4	213.1	234.5	296.8	437.6	1241.8	3162.8	3571.9	3284.4	2645.9	2197.6
75°	142.9	151.6	189.2	255.4	394.4	620.1	2572.7	3144.0	3170.6	2427.6	1746.6
77.5°	76.3	77.6	86.2	197.8	373.9	447.5	1662.0	2274.7	2269.4	1706.9	946.0
80°	61.9	62.7	66.3	85.3	320.2	456.7	891.9	1377.5	1261.9	663.2	344.7
82.5°	40.6	43.2	52.7	57.9	143.8	440.6	529.9	721.6	575.6	239.7	216.1
85°	24.0	26.6	38.4	42.7	68.5	514.2	475.5	434.4	332.6	169.5	162.6
87.5°	8.3	8.3	11.3	14.8	22.6	147.3	248.4	198.7	152.5	112.4	133.8
90°	4.3	4.9	2.6	2.6	10.1	45.4	132.9	132.1	103.8	110.2	142.9
92.5°	4.9	4.9	2.6	2.6	10.5	26.9	141.7	151.6	122.4	123.7	154.7
95°	5.2	5.7	2.2	2.2	10.1	18.8	124.7	154.2	119.8	112.0	134.7
97.5°	5.7	6.1	2.2	1.7	6.6	14.5	62.7	88.0	69.3	52.7	58.7
100°	5.2	5.7	1.3	1.3	3.1	9.6	24.0	32.7	29.6	12.1	6.9
102.5°	5.2	5.7	1.3	0.9	1.3	5.2	5.2	12.1	7.4	4.0	5.7
105°	5.2	5.7	1.3	0.9	0.4	2.6	1.7	2.2	2.6	3.6	6.6
107.5°	3.1	3.6	0.9	0.9	0.4	0.4	0.9	0.9	1.7	2.6	5.7
110°	1.3	1.3	0.4	0.4	0.0	0.4	0.4	0.9	1.7	2.2	3.1



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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	0.9	1.3	1.7	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7	3.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7	3.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7	3.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7	3.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7	3.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	1.3
140°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.9	0.9	1.3
142.5°	0.9	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.9	1.3	1.3
145°	1.3	0.9	0.9	0.4	0.0	0.0	0.4	0.9	1.3	1.3	1.3
147.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.4	0.9	1.3	1.7	1.7
150°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.9	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.4	0.4	0.9
7.5°	1.3	1.3	1.3	0.9	0.9	0.4	80.6	93.8	107.6	105.5	102.3
10°	2.2	2.2	2.2	1.7	5.2	96.7	108.5	103.8	101.5	100.7	102.0
12.5°	148.6	175.2	58.4	8.8	85.9	94.5	96.7	91.4	94.5	95.4	92.9
15°	203.9	200.1	184.0	189.2	168.3	91.1	86.7	128.9	128.5	128.1	128.1
17.5°	220.5	209.7	181.6	192.1	168.3	138.1	107.2	102.3	99.0	99.4	98.5
20°	397.1	371.3	287.2	186.9	147.3	147.7	91.1	79.0	99.0	115.5	117.7
22.5°	400.0	375.2	300.7	242.4	147.3	116.8	89.3	93.2	112.0	122.4	124.1
25°	503.3	454.9	295.5	204.9	147.7	95.0	95.0	89.8	102.0	116.3	118.5
27.5°	574.3	518.1	360.4	201.0	111.1	92.9	85.0	85.9	109.0	118.9	119.5
30°	575.3	509.0	339.0	168.6	92.3	80.6	76.6	89.8	95.4	102.0	102.3
32.5°	747.7	648.8	380.8	135.6	82.4	72.8	77.2	85.3	96.3	112.4	114.2
35°	747.7	637.9	331.7	124.7	78.1	73.2	79.3	91.4	91.9	104.2	106.8
37.5°	768.7	637.1	280.2	104.2	81.4	73.2	82.9	85.9	89.8	102.3	102.9
40°	801.4	646.2	229.2	95.0	80.6	79.7	80.6	84.5	83.6	91.9	92.3
42.5°	855.4	666.7	190.4	91.9	80.2	83.6	81.4	80.2	75.4	99.0	99.4
45°	934.6	713.3	162.1	91.9	80.6	89.3	84.1	77.6	72.8	119.5	122.9
47.5°	1027.9	771.7	148.9	94.1	82.4	90.5	80.2	77.6	77.6	129.4	131.2
50°	1139.5	838.8	142.9	95.8	88.0	89.8	82.9	82.4	85.9	120.3	119.8
52.5°	1257.5	921.7	142.0	98.5	91.9	86.2	93.8	88.0	76.6	88.0	88.0
55°	1374.9	1023.6	140.8	99.4	89.8	88.5	95.8	78.4	65.3	71.4	72.4
57.5°	1487.7	1120.7	146.0	95.8	89.3	88.5	91.4	78.4	67.6	73.2	75.0
60°	1602.8	1229.3	177.0	90.5	91.1	86.2	91.1	85.0	74.5	88.5	90.2
62.5°	1742.2	1378.8	240.9	95.4	92.3	87.6	90.5	90.2	77.6	84.5	86.2
65°	1941.7	1545.3	278.8	112.4	96.3	91.4	90.5	97.6	86.7	82.4	82.9
67.5°	2078.6	1605.8	270.6	126.8	105.9	94.1	98.1	105.0	92.9	93.8	93.2
70°	2053.7	1498.2	235.3	133.8	112.0	96.7	105.9	104.7	97.6	111.1	110.2
72.5°	1799.7	1214.5	199.6	122.9	110.2	97.6	107.6	107.2	105.9	133.4	133.4
75°	1340.5	814.9	173.1	112.8	105.5	96.7	105.5	106.3	105.5	136.5	137.4
77.5°	658.0	407.0	146.9	101.5	97.6	99.0	104.2	104.7	103.2	132.5	132.5
80°	294.1	223.0	112.0	85.3	94.1	104.2	104.7	100.7	102.3	125.6	125.0
82.5°	203.9	160.3	73.2	75.0	105.5	112.8	106.8	98.5	97.1	114.7	112.8
85°	148.2	118.0	44.8	63.6	115.5	106.8	101.1	88.9	85.0	97.1	95.0
87.5°	119.5	94.1	27.5	53.2	105.5	93.8	84.1	73.2	68.0	75.0	71.4
90°	128.9	101.5	27.5	46.3	86.7	70.2	61.9	54.4	49.2	49.6	47.5
92.5°	139.0	108.1	29.1	38.4	64.0	40.6	41.4	37.9	30.1	26.9	24.4
95°	107.2	81.0	25.7	31.8	38.4	24.9	31.8	28.7	20.5	14.5	12.1
97.5°	47.5	38.4	23.0	25.3	26.9	20.5	26.9	23.0	12.1	6.9	6.1
100°	5.7	9.6	20.0	24.4	19.7	14.0	17.8	14.0	5.2	1.7	1.3
102.5°	6.1	4.3	8.8	21.7	11.3	4.3	5.2	5.2	2.2	0.9	0.9
105°	6.6	4.9	3.6	11.3	2.6	0.9	0.4	0.4	0.4	0.9	0.9
107.5°	6.1	4.3	2.2	1.7	1.3	0.9	0.0	0.0	0.0	0.9	1.3
110°	3.6	3.1	2.2	1.7	1.3	0.9	0.0	0.0	0.0	1.3	1.7



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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	1.7	1.3	0.9	0.4	0.0	0.0	0.0	1.7	2.2
115°	3.1	2.6	1.7	1.3	0.9	0.4	0.0	0.0	0.0	2.2	2.6
117.5°	3.6	3.1	1.7	1.3	0.9	0.0	0.0	0.0	0.0	2.6	2.6
120°	3.6	3.1	1.7	1.3	0.4	0.0	0.0	0.0	0.0	2.2	2.6
122.5°	3.6	3.1	1.7	0.9	0.4	0.0	0.0	0.0	0.0	2.2	2.6
125°	3.1	3.1	1.7	0.9	0.4	0.0	0.0	0.0	0.0	2.2	2.2
127.5°	3.1	2.6	1.7	0.9	0.4	0.0	0.0	0.0	0.0	1.7	2.2
130°	2.6	2.6	1.3	0.9	0.4	0.0	0.0	0.0	0.0	1.3	1.7
132.5°	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.9
135°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	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)