

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: P254573

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4117.9 lumens
Efficiency: N/A
Efficacy: 102.9 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 - G1

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

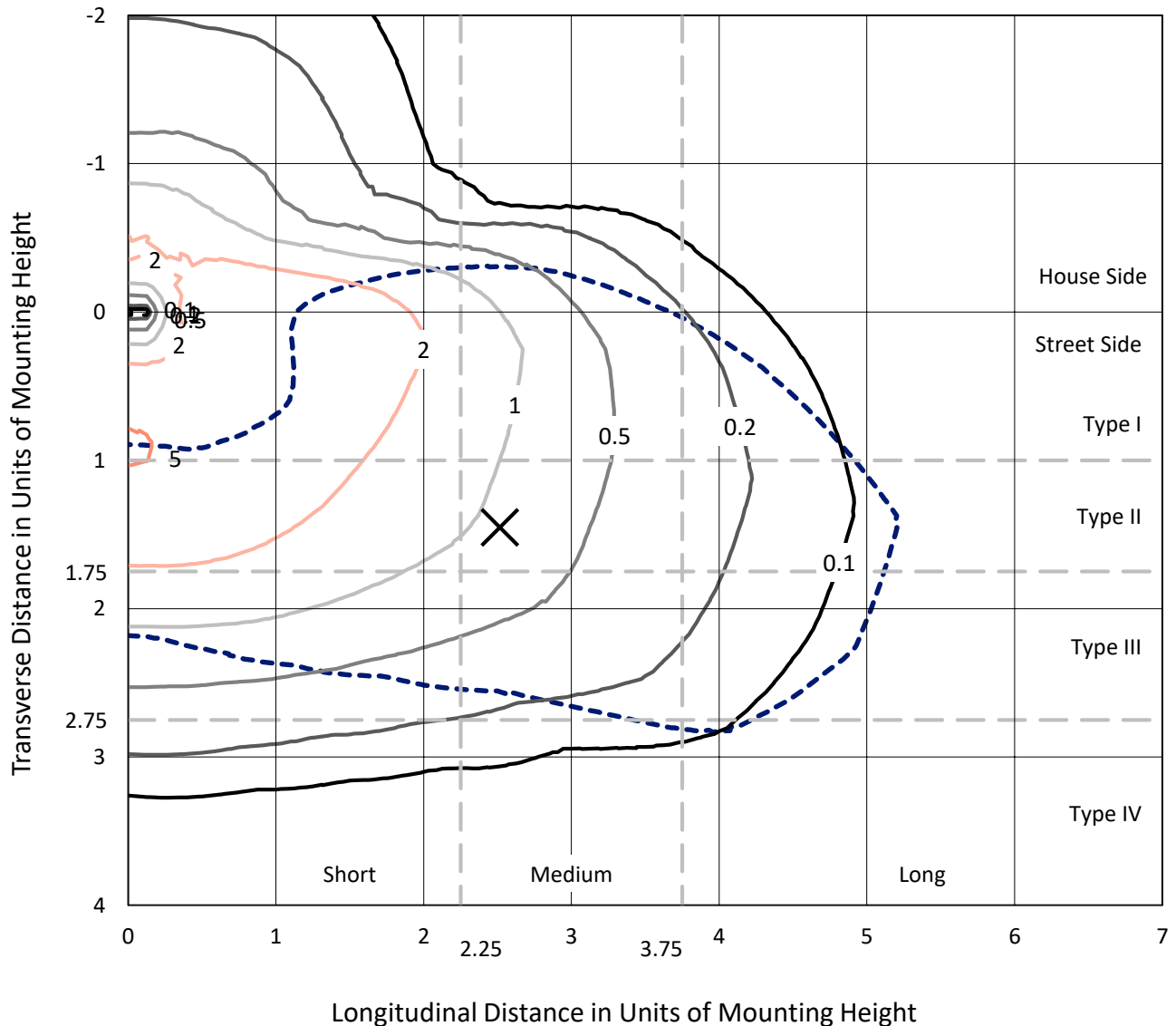


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

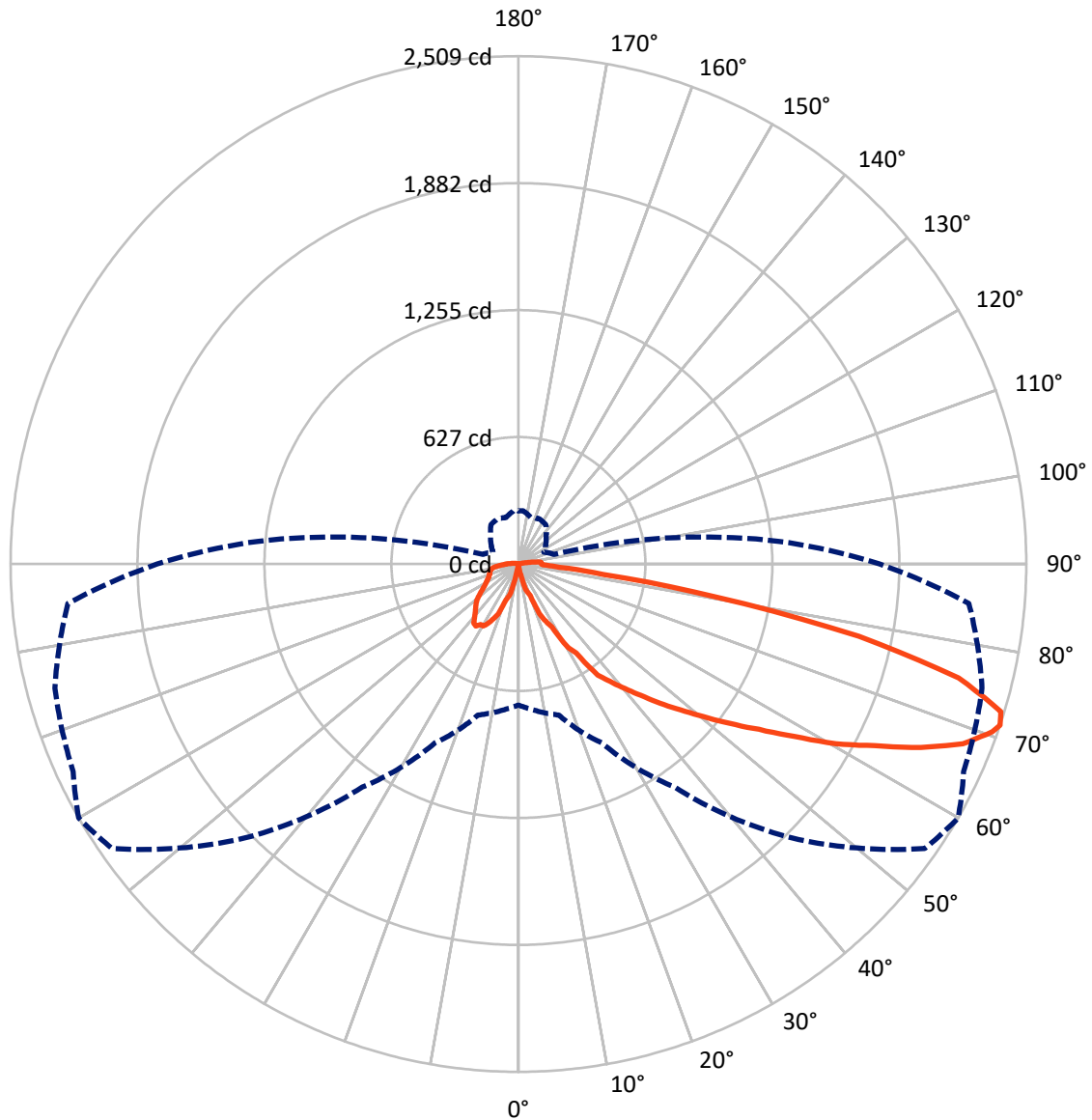


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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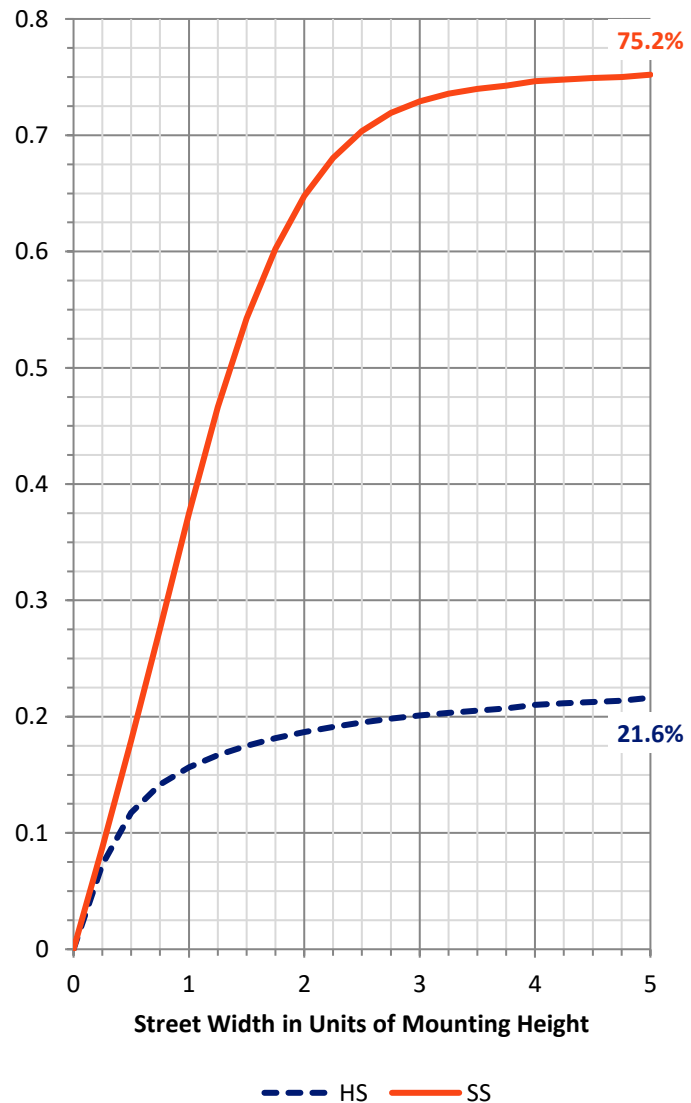
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	935.5	30.3	965.8
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	3122.5	29.5	3152.1
	% Fixture	75.8	0.7	76.5
Total	Lumens	4058.0	59.9	4117.9
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	37.0	0.9
20°-30°	151.8	3.7
30°-40°	341.4	8.3
40°-50°	592.7	14.4
50°-60°	898.1	21.8
60°-70°	1106.8	26.9
70°-80°	754.3	18.3
80°-90°	173.6	4.2
90°-100°	53.0	1.3
100°-110°	5.0	0.1
110°-120°	0.8	0.0
120°-130°	0.5	0.0
130°-140°	0.2	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°	4058.0	98.5
0°-180°	4117.9	100.0



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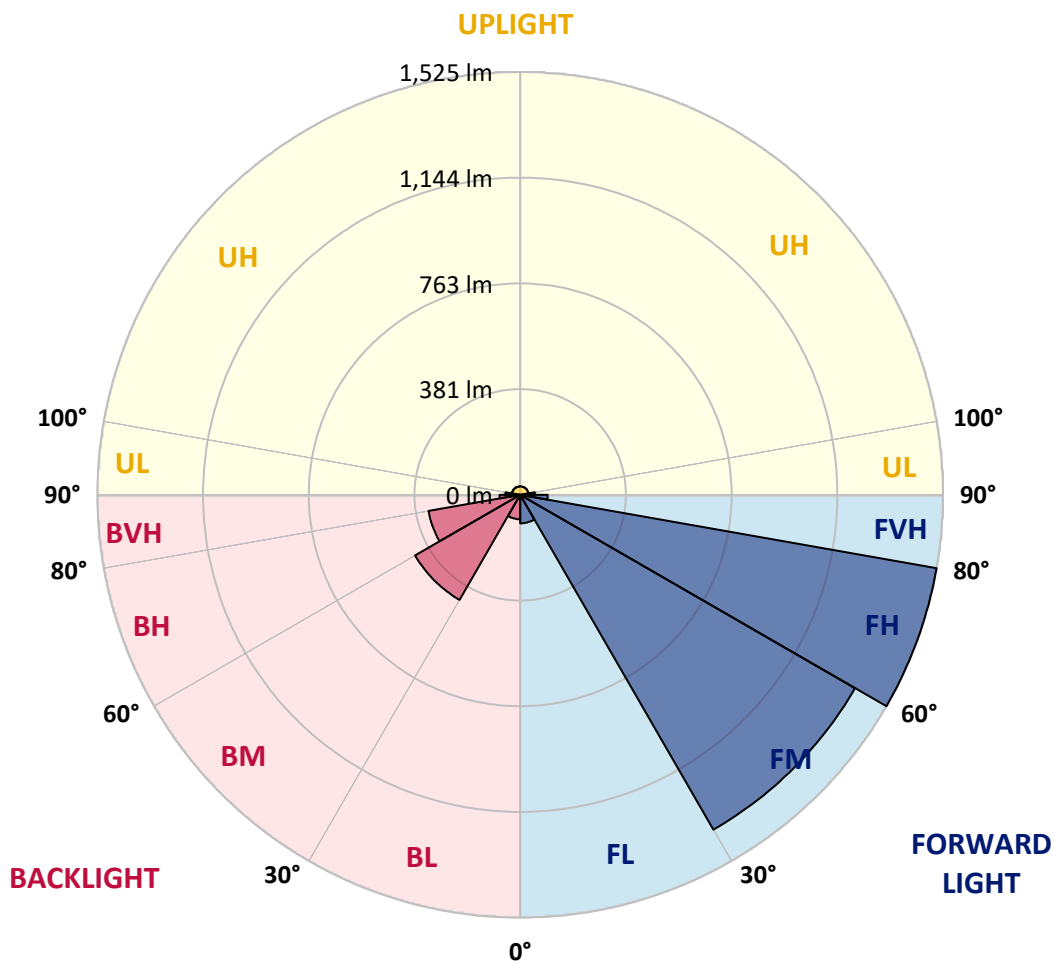
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.9	2.5			
FM	(30°-60°)	1394.8	33.9			
FH	(60°-80°)	1525.4	37.0			G1/1800
FVH	(80°-90°)	99.5	2.4			G1/100
BL	(0°-30°)	88.2	2.1	B0/110		
BM	(30°-60°)	437.5	10.6	B1/1000		
BH	(60°-80°)	335.7	8.2	B1/500		G1/500
BVH	(80°-90°)	74.1	1.8			G1/100
UL	(90°-100°)	53.0	1.3		U3/500	
UH	(100°-180°)	30.3	0.7		U2/50	

BUG Rating: B1-U3-G1

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°	2.4	2.9	1.9	2.4	2.4	1.9	1.4	1.4	1.9	1.9	1.4
5°	44.1	44.6	46.6	48.1	16.5	11.7	4.4	2.9	2.4	1.9	1.9
7.5°	55.8	54.8	53.9	51.0	52.5	48.9	29.1	12.1	5.8	2.4	1.9
10°	64.6	64.6	60.2	56.7	56.3	55.2	52.5	48.1	22.8	4.8	3.4
12.5°	117.9	114.5	109.2	89.7	68.4	61.6	60.2	61.6	50.5	49.9	66.9
15°	134.8	135.8	133.0	125.6	121.8	78.5	103.4	128.6	129.0	103.4	116.5
17.5°	175.2	174.2	159.1	145.1	141.2	150.3	150.9	144.5	145.1	129.0	137.2
20°	260.5	262.9	250.3	212.0	171.7	198.5	192.7	167.3	170.8	243.5	251.3
22.5°	305.6	310.6	295.4	279.3	277.0	220.2	248.9	265.8	258.1	287.2	289.1
25°	453.5	440.5	383.7	328.5	335.7	293.5	322.1	313.3	299.8	321.1	371.6
27.5°	493.9	497.2	482.7	454.5	385.1	400.7	365.3	350.7	404.0	450.7	464.3
30°	585.5	585.5	533.6	523.0	492.4	447.8	477.8	473.4	482.7	489.9	515.1
32.5°	711.2	702.9	679.6	599.1	565.6	512.3	551.1	524.5	540.4	639.8	682.1
35°	840.6	840.2	760.7	701.5	633.0	624.9	606.4	675.2	694.3	698.5	740.2
37.5°	1005.6	1007.1	963.8	790.3	719.9	682.1	730.5	734.9	757.2	795.5	808.6
40°	1135.6	1127.9	1072.6	943.0	828.5	774.7	816.9	809.6	848.0	878.6	897.4
42.5°	1298.1	1293.3	1217.1	1067.3	979.0	893.0	904.6	885.8	913.4	989.6	997.3
45°	1451.0	1441.6	1371.4	1211.2	1118.6	1024.1	998.8	981.3	987.7	1074.0	1103.6
47.5°	1553.3	1542.6	1516.0	1358.7	1286.0	1162.3	1110.4	1075.4	1083.2	1179.8	1228.7
50°	1681.4	1646.0	1622.2	1481.4	1429.5	1329.6	1219.6	1185.6	1203.1	1291.3	1367.5
52.5°	1749.8	1701.7	1702.3	1601.8	1552.8	1482.0	1341.2	1308.3	1331.7	1416.0	1526.6
55°	1698.3	1693.5	1735.7	1678.4	1650.8	1589.7	1472.9	1442.7	1481.0	1579.5	1701.7
57.5°	1625.1	1632.4	1719.2	1746.4	1746.4	1697.4	1618.7	1606.2	1647.4	1747.4	1870.1
60°	1541.2	1559.1	1670.2	1748.2	1806.0	1803.1	1776.4	1802.7	1814.8	1909.9	2075.3
62.5°	1417.9	1426.2	1556.2	1714.4	1808.9	1901.5	1942.3	1975.9	2022.0	2100.0	2250.8
65°	1276.8	1287.0	1417.0	1623.1	1793.0	1966.1	2104.9	2185.8	2199.9	2262.5	2377.5
67.5°	1094.3	1105.6	1219.0	1451.9	1729.9	2018.4	2270.3	2369.2	2345.5	2336.7	2407.5
70°	848.0	847.6	927.5	1141.4	1499.5	1998.2	2416.3	2483.7	2422.1	2374.1	2324.2
71°	696.6	720.3	772.8	975.0	1345.6	1915.2	2451.2	2509.4	2427.4	2371.2	2234.4
72.5°	443.9	471.6	516.1	695.7	1074.0	1700.7	2420.6	2492.4	2409.9	2335.8	2054.0
75°	175.2	181.5	214.3	322.1	582.6	1145.4	2137.3	2246.5	2214.0	2147.1	1646.4
77.5°	105.8	109.2	121.8	161.0	267.2	529.7	1561.1	1719.6	1776.9	1745.9	1133.2
80°	79.5	82.9	94.1	113.5	178.5	220.2	824.7	988.1	1129.3	1127.9	636.0
82.5°	60.6	62.6	73.2	80.1	133.0	152.3	311.0	420.5	547.2	547.2	315.3
85°	56.3	56.3	59.6	53.9	88.3	109.2	184.8	202.2	213.9	227.0	183.9
87.5°	22.3	21.9	28.6	27.7	38.8	71.8	116.9	122.3	114.5	138.8	158.7
90°	15.1	15.6	12.1	12.1	21.3	66.0	106.7	112.1	105.2	125.1	163.1
92.5°	14.5	15.1	11.2	11.2	16.1	54.8	111.6	113.5	108.1	129.0	165.8
95°	13.1	13.5	9.2	9.2	12.6	33.5	103.8	106.7	92.7	104.4	133.0
97.5°	10.2	10.7	6.3	6.8	9.8	12.6	62.1	66.4	51.9	48.9	57.7
100°	6.8	7.3	4.0	4.8	5.8	5.8	23.8	25.6	23.3	12.6	7.3
102.5°	6.3	6.8	2.9	2.9	2.9	1.9	4.8	7.7	4.4	5.4	6.3
105°	5.8	6.8	1.9	1.4	1.0	1.0	1.4	1.9	2.4	3.4	6.8
107.5°	4.0	4.4	1.0	1.0	0.4	1.0	1.0	1.0	1.4	2.4	6.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.9	1.9	0.4	0.4	0.0	0.4	0.4	1.0	1.4	1.9	2.9
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.4	2.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	1.4	2.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.4	2.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.4	2.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	2.4
125°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	2.4
127.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9
130°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
140°	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.0
142.5°	1.0	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	1.0	1.0
145°	1.0	1.0	0.4	0.4	0.0	0.0	0.4	0.4	1.0	1.0	1.0
147.5°	1.4	1.4	0.4	0.0	0.0	0.0	0.4	0.4	1.0	1.0	1.4
150°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.4	1.0	0.4	0.4	0.4	0.4	0.4	0.4
5°	1.4	1.4	1.4	1.4	1.4	1.0	1.9	2.9	3.4	4.0	4.0
7.5°	1.9	1.9	1.9	1.9	1.9	4.0	24.2	53.9	61.6	66.0	64.6
10°	3.4	3.4	2.9	3.4	12.1	60.2	73.2	78.5	79.5	82.9	85.9
12.5°	71.8	61.6	29.1	16.5	62.1	78.1	84.4	88.8	93.6	116.5	104.4
15°	118.9	121.3	118.9	131.0	146.5	88.3	104.8	160.1	173.6	177.5	176.6
17.5°	140.7	137.7	137.7	167.8	173.6	172.7	166.8	178.5	181.9	187.7	185.7
20°	262.0	262.9	246.9	195.0	185.3	232.4	186.8	186.3	222.2	255.1	256.1
22.5°	292.0	294.5	286.7	289.1	242.5	240.2	234.3	246.0	260.0	266.4	264.4
25°	396.3	369.2	319.7	297.8	294.0	245.5	276.5	253.7	255.6	259.1	261.4
27.5°	480.3	476.8	444.8	363.3	294.0	297.8	266.4	262.0	291.0	294.0	294.5
30°	520.1	511.4	475.4	382.3	322.7	285.2	259.5	279.9	275.6	278.5	278.5
32.5°	693.2	689.3	610.2	392.5	312.4	263.9	265.8	265.4	290.6	298.9	296.8
35°	739.8	732.5	615.5	445.8	296.4	266.4	250.3	269.3	269.3	272.6	271.6
37.5°	797.5	785.3	624.3	426.8	306.2	250.3	245.0	250.3	263.9	267.8	265.4
40°	877.1	849.4	617.1	395.4	285.7	247.9	235.8	245.5	244.5	239.6	237.2
42.5°	960.1	927.1	617.6	366.2	269.8	244.5	232.8	230.9	228.1	220.2	218.7
45°	1067.7	1002.7	624.9	346.0	256.1	242.5	230.0	221.2	216.9	209.1	207.6
47.5°	1190.5	1083.8	622.3	329.4	242.5	236.8	221.2	212.9	210.6	199.8	198.5
50°	1314.2	1162.3	624.3	307.0	227.0	230.4	218.7	207.1	202.7	190.6	190.1
52.5°	1458.7	1244.3	611.8	275.0	209.1	222.2	220.2	208.5	208.5	190.6	189.2
55°	1601.8	1344.7	601.0	241.1	197.0	215.3	223.1	218.7	217.9	193.1	191.6
57.5°	1743.0	1431.1	566.6	211.5	189.2	209.6	230.0	225.6	222.7	202.7	198.5
60°	1895.3	1544.1	501.6	188.3	184.8	204.8	231.8	231.4	214.9	212.9	210.6
62.5°	2009.9	1609.6	417.7	172.7	178.5	203.2	230.9	230.9	216.9	216.4	215.3
65°	2064.1	1617.8	315.8	160.6	172.2	200.8	227.5	236.8	225.6	227.0	225.1
67.5°	2036.5	1555.2	237.7	149.9	166.4	198.9	228.1	243.5	233.4	248.3	246.0
70°	1890.4	1394.1	195.5	142.6	164.4	195.5	234.8	245.5	238.6	262.9	260.0
71°	1784.2	1290.4	182.4	138.2	164.4	193.6	236.2	246.0	237.7	264.4	262.0
72.5°	1604.3	1107.5	168.4	131.9	163.5	192.7	236.2	245.5	240.6	270.6	266.4
75°	1208.9	760.1	150.9	128.6	162.5	189.7	231.4	241.1	236.8	259.5	258.5
77.5°	774.7	444.3	134.8	128.1	158.7	188.3	225.1	232.4	224.6	243.9	243.0
80°	426.4	255.1	119.8	119.8	150.9	184.8	215.3	216.9	209.1	224.1	217.9
82.5°	253.3	181.0	99.4	105.2	139.8	175.6	204.8	197.9	189.7	217.3	184.8
85°	170.8	140.7	68.4	81.0	125.6	152.3	182.4	171.7	157.7	158.7	151.4
87.5°	141.6	112.1	35.9	52.9	97.5	111.6	135.4	124.7	110.2	108.1	101.8
90°	140.7	109.2	28.6	47.5	78.1	86.4	104.8	94.6	86.4	89.7	84.9
92.5°	141.6	108.1	29.6	40.8	64.0	65.0	85.9	82.0	74.8	76.2	71.3
95°	113.5	84.9	28.6	32.4	36.4	34.4	52.9	52.9	45.6	43.1	40.3
97.5°	47.5	42.2	26.7	26.2	25.6	18.9	30.6	35.0	23.8	16.1	14.1
100°	7.3	12.1	22.3	24.7	17.9	11.2	19.4	22.3	12.6	2.4	1.9
102.5°	7.3	6.3	9.2	18.5	10.7	2.9	7.7	12.6	6.3	1.4	1.9
105°	7.7	6.3	4.0	9.8	2.4	1.0	0.4	3.4	1.0	1.4	1.4
107.5°	7.3	5.8	2.4	1.9	1.4	0.4	0.0	0.0	0.0	1.4	1.9



REPORT NUMBER: P254573

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.0	3.4	2.4	1.4	1.0	0.4	0.0	0.0	0.0	1.4	1.9
112.5°	2.4	2.9	1.9	1.4	0.4	0.4	0.0	0.0	0.0	1.9	2.4
115°	2.9	2.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	1.9	2.4
117.5°	2.9	2.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	1.9	2.4
120°	2.9	2.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	1.9	2.4
122.5°	2.9	2.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	1.4	1.9
125°	2.4	2.4	1.9	1.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9
127.5°	2.4	2.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4
130°	2.4	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	1.0
132.5°	1.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	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)