

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: P255122

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255122
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 4297.4 lumens
Efficiency: N/A
Efficacy: 107.4 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

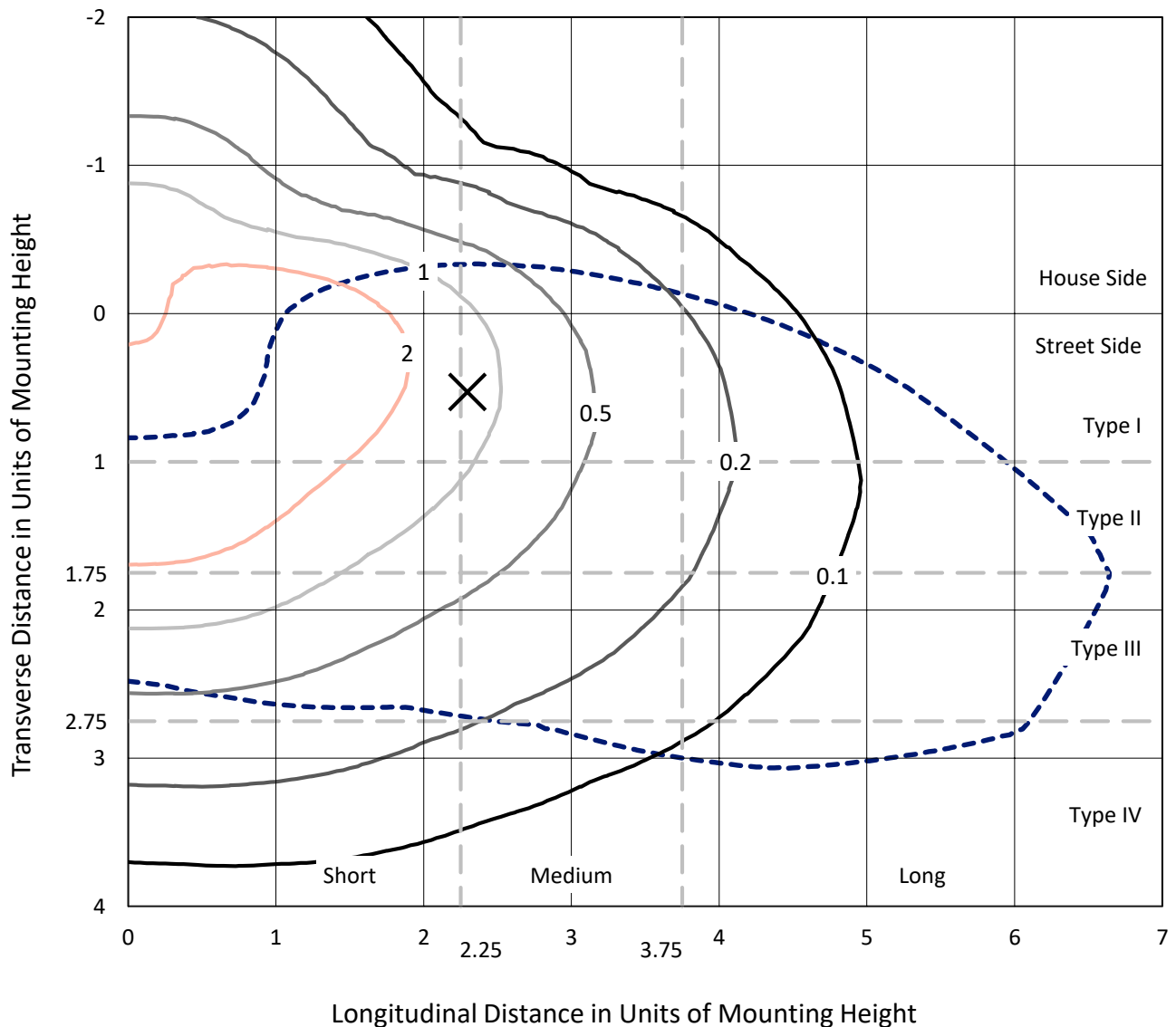
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255122
 CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

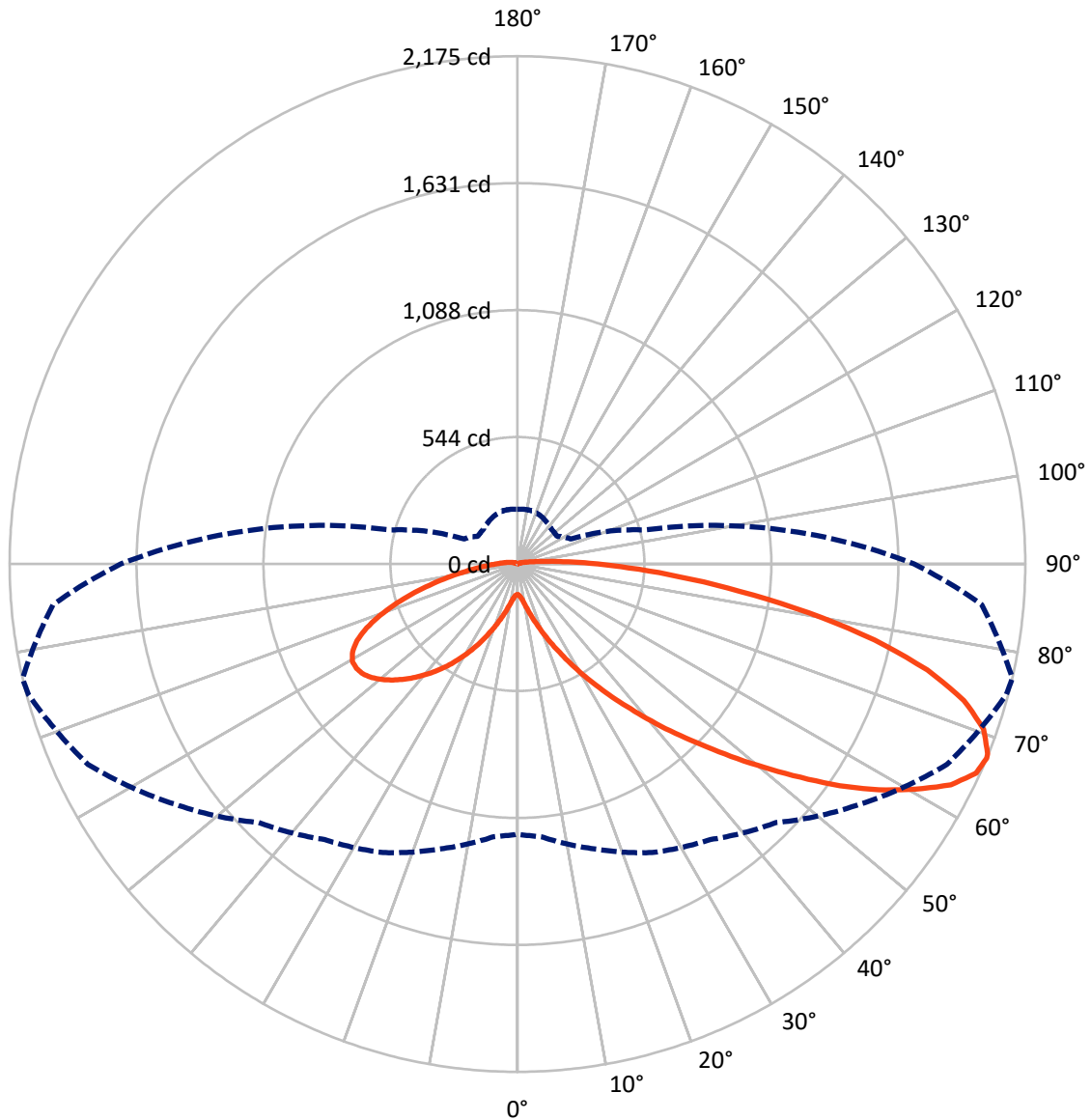


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255122

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255122

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

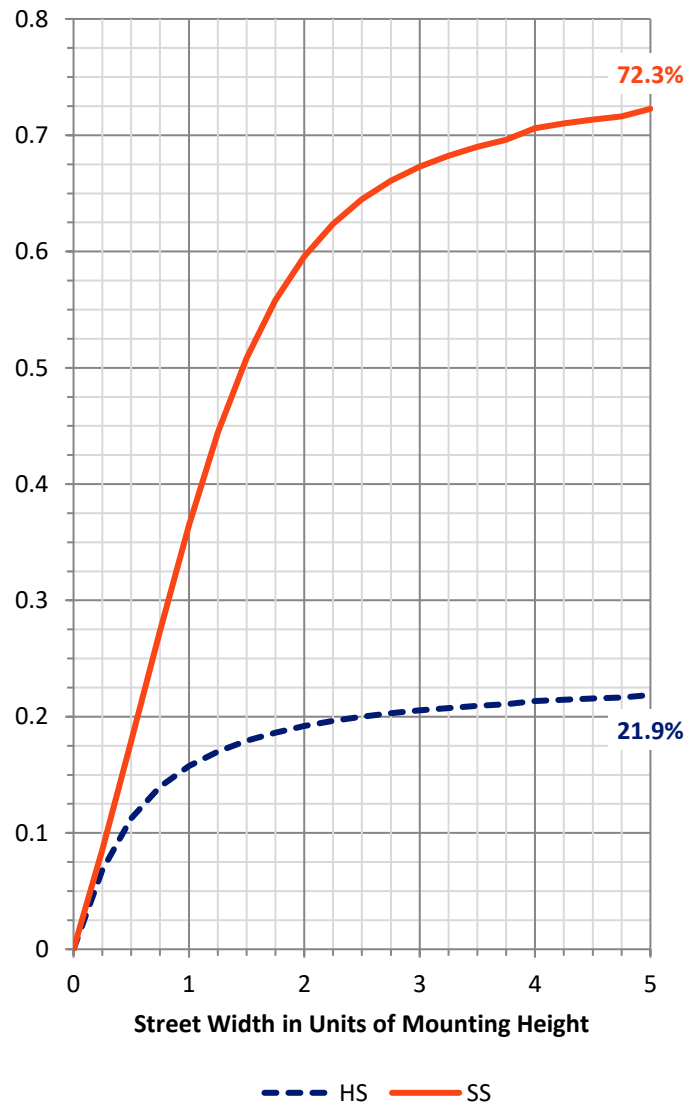
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	981.3	59.2	1040.5
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	3186.2	70.6	3256.8
	% Fixture	74.1	1.6	75.8
Total	Lumens	4167.5	129.8	4297.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.3
10°-20°	63.6	1.5
20°-30°	167.1	3.9
30°-40°	341.7	8.0
40°-50°	592.2	13.8
50°-60°	878.4	20.4
60°-70°	1019.4	23.7
70°-80°	770.0	17.9
80°-90°	320.9	7.5
90°-100°	85.1	2.0
100°-110°	27.7	0.6
110°-120°	10.9	0.3
120°-130°	4.1	0.1
130°-140°	1.6	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°	4167.5	97.0
0°-180°	4297.4	100.0



REPORT NUMBER: P255122

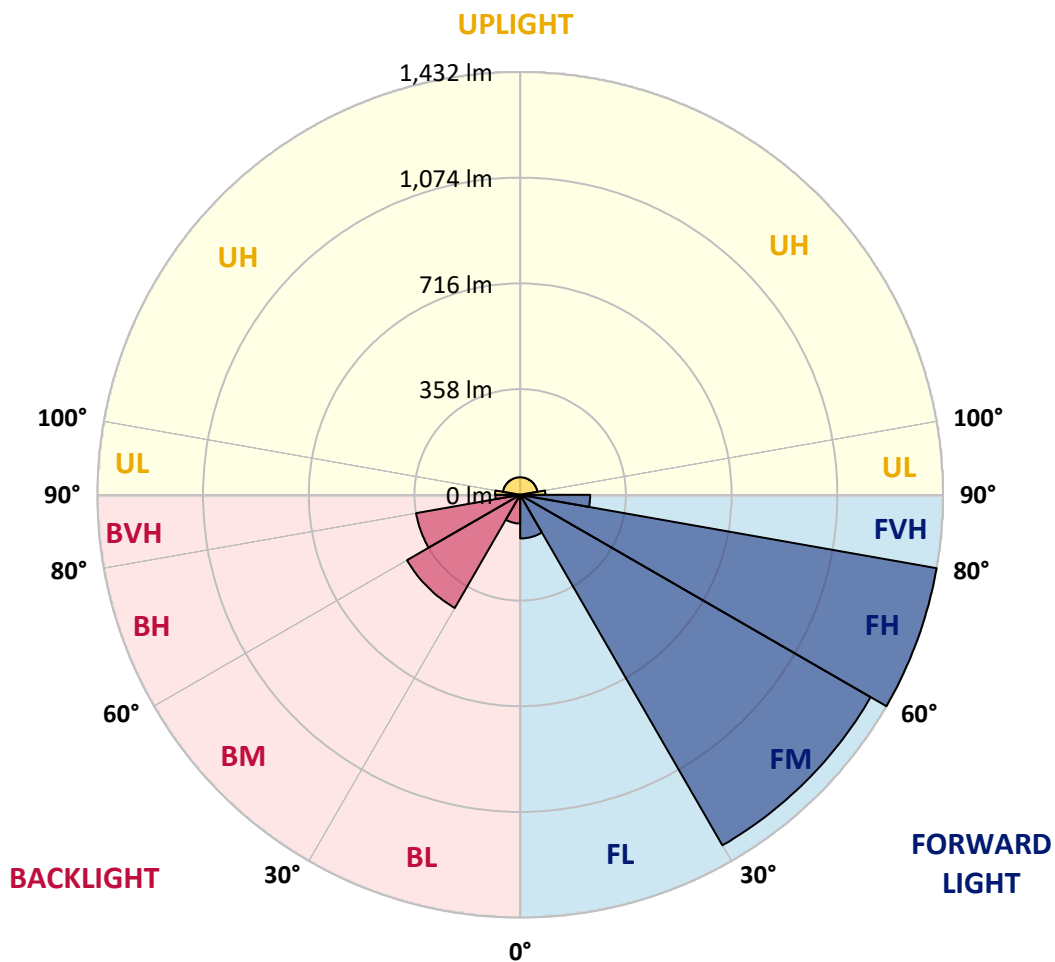
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.7	3.4			
FM	(30°-60°)	1369.9	31.9			
FH	(60°-80°)	1431.6	33.3			G1/1800
FVH	(80°-90°)	237.0	5.5			G3/500
BL	(0°-30°)	97.2	2.3	B0/110		
BM	(30°-60°)	442.4	10.3	B1/1000		
BH	(60°-80°)	357.8	8.3	B1/500		G1/500
BVH	(80°-90°)	83.9	2.0			G1/100
UL	(90°-100°)	85.1	2.0		U3/500	
UH	(100°-180°)	59.2	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P255122

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	138.0	138.0	139.0	138.5	138.5	137.5	137.0	135.4	134.4	134.4	133.9
5°	148.2	148.2	148.7	149.2	148.2	147.7	146.2	144.1	142.6	142.6	141.6
7.5°	163.7	163.7	163.2	163.7	163.2	162.1	160.1	159.1	156.0	156.5	155.0
10°	185.7	185.7	184.6	185.7	183.1	182.1	180.6	179.0	175.4	176.5	173.9
12.5°	217.0	217.0	215.9	214.4	210.8	208.8	207.8	206.7	203.7	204.2	201.1
15°	254.4	253.9	252.9	250.8	245.2	242.6	240.1	238.6	236.0	237.0	233.9
17.5°	298.6	297.6	294.0	290.9	285.2	281.1	277.5	276.0	272.9	273.4	269.3
20°	349.3	348.3	343.7	339.1	330.9	325.3	321.6	318.0	315.0	318.0	310.4
22.5°	409.4	410.4	400.7	393.5	381.2	374.0	369.4	366.3	363.2	365.8	357.0
25°	478.1	477.6	466.9	457.6	440.2	427.9	421.1	419.1	417.6	419.6	413.5
27.5°	557.1	555.1	543.3	523.8	504.3	485.3	476.6	478.1	477.6	479.2	473.0
30°	644.9	643.8	627.4	599.8	574.1	548.4	540.2	539.7	544.3	547.4	535.1
32.5°	741.8	742.9	720.8	684.9	646.9	618.7	611.0	612.0	618.2	617.7	608.5
35°	849.0	849.0	825.9	780.8	730.5	694.1	685.4	695.1	698.8	699.8	685.9
37.5°	963.4	961.9	940.4	881.9	824.4	776.7	761.3	773.7	787.5	785.9	771.6
40°	1086.1	1082.0	1053.7	988.6	918.8	861.3	843.9	862.9	882.9	883.9	866.4
42.5°	1203.0	1199.4	1170.2	1100.4	1016.8	957.8	938.4	959.3	988.1	990.6	959.3
45°	1312.9	1312.3	1285.6	1213.8	1122.5	1054.3	1034.7	1062.4	1102.4	1102.4	1069.6
47.5°	1416.5	1410.2	1392.8	1321.0	1234.8	1154.3	1135.3	1173.8	1229.2	1230.7	1192.2
50°	1496.0	1491.9	1483.2	1418.0	1330.2	1257.4	1239.9	1297.4	1362.1	1367.7	1320.5
52.5°	1550.9	1546.7	1553.5	1502.6	1423.6	1359.0	1352.9	1424.2	1508.2	1517.5	1461.1
55°	1572.4	1573.9	1595.5	1562.1	1499.5	1448.3	1470.3	1558.6	1658.1	1676.0	1602.1
57.5°	1561.6	1566.2	1604.2	1597.0	1553.5	1520.1	1578.0	1688.9	1808.4	1825.4	1740.7
60°	1505.2	1515.0	1570.8	1589.9	1573.4	1584.2	1673.4	1820.8	1951.0	1958.7	1873.5
62.5°	1413.4	1424.2	1497.5	1546.7	1557.5	1607.3	1743.2	1931.5	2069.5	2082.8	1958.7
65°	1283.1	1298.4	1380.1	1465.7	1508.8	1600.1	1788.9	2003.3	2144.9	2158.7	2001.8
67°	1156.9	1172.2	1262.5	1363.6	1440.5	1566.2	1792.5	2030.0	2167.0	2175.2	1996.2
67.5°	1122.5	1138.3	1228.7	1334.3	1419.0	1552.9	1789.4	2032.6	2167.0	2172.1	1988.4
70°	934.7	955.7	1047.6	1169.1	1281.0	1460.6	1744.2	2000.3	2128.6	2118.7	1894.6
72.5°	739.3	758.7	848.5	977.3	1105.6	1321.0	1642.7	1904.8	2011.5	1999.8	1740.1
75°	552.5	569.0	655.1	780.3	916.3	1137.8	1483.7	1749.9	1825.4	1813.0	1526.8
77.5°	395.6	408.9	483.2	598.2	723.8	938.4	1269.7	1530.3	1577.5	1563.2	1267.6
80°	271.9	287.8	341.2	443.8	551.5	734.2	1024.0	1246.7	1279.5	1264.6	990.6
82.5°	179.5	188.3	235.5	318.5	408.4	556.6	782.9	967.0	995.2	959.3	734.7
85°	116.9	119.0	155.0	219.0	294.5	404.3	574.1	710.5	723.3	696.6	522.7
87.5°	71.8	74.9	100.0	143.6	203.2	284.7	405.8	496.6	498.7	477.1	352.9
90°	46.1	48.2	64.1	93.4	138.0	194.0	273.4	329.9	328.4	311.4	225.3
92.5°	31.8	32.8	44.6	64.1	89.8	127.8	175.4	208.3	205.2	195.5	142.1
95°	23.1	24.1	32.8	46.6	62.6	84.1	109.3	126.2	122.7	116.4	89.3
97.5°	16.9	18.0	25.2	35.4	46.6	58.0	70.3	75.4	74.4	71.3	59.5
100°	12.8	13.8	19.5	27.7	36.4	43.1	49.2	49.7	48.2	47.2	43.1
102.5°	10.7	11.3	15.9	23.1	29.8	34.4	36.9	36.4	34.4	33.9	31.8
105°	9.2	9.7	13.8	19.5	24.7	28.7	29.8	28.2	25.7	25.2	24.1
107.5°	8.2	8.2	11.8	16.9	21.6	24.1	24.7	22.1	19.0	18.5	18.0



REPORT NUMBER: P255122

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	7.2	7.2	10.2	14.3	18.5	20.6	20.6	17.5	13.3	12.8	13.3
112.5°	6.1	6.6	8.7	12.3	15.9	17.5	16.9	13.8	9.7	9.2	9.7
115°	5.6	5.6	7.7	10.7	13.3	14.8	13.8	10.2	7.2	6.6	7.2
117.5°	5.1	5.1	6.6	9.2	11.3	12.3	11.3	8.2	5.1	5.1	5.6
120°	4.6	4.6	5.6	7.7	9.7	10.2	8.7	6.1	4.1	4.1	4.6
122.5°	4.1	4.1	5.1	6.6	8.2	8.2	7.2	4.6	3.1	3.1	3.6
125°	3.6	4.1	4.6	5.6	6.6	6.6	5.6	3.6	2.6	3.1	3.6
127.5°	3.6	3.6	4.1	4.6	5.6	5.6	4.6	2.6	2.6	2.6	3.1
130°	3.1	3.1	3.6	4.1	4.6	4.6	3.6	2.0	2.6	2.6	3.1
132.5°	3.1	3.1	3.1	3.6	3.6	3.6	2.6	2.0	2.0	2.6	2.6
135°	2.6	2.6	2.6	3.1	3.1	2.6	1.5	1.5	2.0	2.0	2.6
137.5°	2.0	2.0	2.6	2.0	2.0	2.0	1.5	1.5	2.0	2.0	2.0
140°	2.0	2.0	2.0	1.5	1.5	1.0	1.0	1.5	1.5	2.0	2.0
142.5°	1.0	1.5	1.5	1.0	1.0	0.5	1.0	1.0	1.5	1.5	1.5
145°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5
147.5°	0.0	0.5	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0	1.0
150°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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



REPORT NUMBER: P255122

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	133.4	132.9	131.3	130.3	129.8	129.3	128.8	128.3	128.3	128.3	128.3
5°	140.6	140.0	137.5	135.4	133.9	132.4	131.3	130.3	129.8	129.3	128.8
7.5°	153.4	151.8	148.7	145.2	141.6	138.5	136.5	135.4	133.9	133.4	132.9
10°	172.4	170.8	165.2	159.1	153.4	148.7	145.2	143.1	142.1	141.1	141.1
12.5°	198.6	197.5	187.8	180.0	169.3	162.1	158.0	156.5	156.0	155.0	155.5
15°	229.9	227.8	214.9	203.2	188.8	180.0	173.9	171.3	170.3	168.8	169.3
17.5°	265.8	259.1	244.2	226.3	208.8	198.0	189.9	185.2	183.6	182.6	183.1
20°	305.2	298.6	276.0	250.3	229.3	215.4	204.2	198.6	196.5	196.5	196.5
22.5°	350.9	342.2	310.9	276.5	248.8	229.3	216.5	210.8	208.8	208.8	209.3
25°	403.2	388.8	348.8	304.2	267.3	241.1	227.8	221.7	220.0	220.0	220.5
27.5°	460.2	440.7	387.8	329.4	280.6	249.3	235.0	229.9	228.8	228.8	229.3
30°	522.2	496.6	427.9	351.9	290.9	254.4	239.1	235.0	234.5	235.0	235.0
32.5°	587.9	558.6	467.4	370.9	297.6	257.1	241.6	239.1	238.6	239.6	238.6
35°	659.2	620.2	506.9	386.3	301.7	257.6	242.6	241.1	241.1	240.6	240.1
37.5°	736.2	684.4	543.3	397.6	301.7	256.6	242.1	241.6	241.6	240.6	239.6
40°	824.4	754.1	577.1	404.3	298.6	253.4	241.1	241.1	240.6	238.6	237.5
42.5°	910.1	826.4	609.5	405.3	293.5	249.3	239.6	240.6	239.6	235.5	234.5
45°	1005.6	905.0	638.2	403.8	286.2	245.2	238.0	240.1	238.0	232.9	231.9
47.5°	1116.3	989.6	663.4	397.6	277.0	240.6	236.0	238.6	237.5	231.4	230.4
50°	1230.2	1074.3	683.3	388.8	267.8	236.5	234.5	238.0	237.0	230.4	229.3
52.5°	1349.3	1162.0	697.8	375.0	258.1	232.4	232.9	237.5	237.5	230.9	229.9
55°	1467.2	1241.6	704.4	357.6	247.8	228.8	231.4	237.5	239.1	232.4	231.4
57.5°	1576.0	1305.6	700.8	337.6	238.0	224.7	230.4	237.0	240.1	233.9	232.9
60°	1666.8	1362.1	685.4	316.0	229.9	221.2	228.8	237.0	240.6	236.0	235.0
62.5°	1722.2	1382.1	654.1	293.0	221.7	217.0	226.3	236.0	240.1	236.5	235.5
65°	1733.0	1366.7	609.5	270.9	213.9	212.4	222.2	232.9	238.6	236.5	235.0
67°	1699.1	1321.0	562.8	253.4	207.2	207.8	218.5	229.9	236.5	236.0	233.9
67.5°	1684.3	1304.1	551.0	248.8	206.2	206.2	217.5	228.8	236.0	235.5	233.9
70°	1584.8	1202.5	483.2	227.3	198.0	199.6	210.8	223.7	231.4	231.9	230.9
72.5°	1426.2	1060.4	415.0	206.7	188.8	190.9	202.1	214.9	223.7	224.7	223.2
75°	1217.4	893.1	347.3	188.3	178.5	180.0	191.4	203.7	212.9	214.4	212.9
77.5°	1006.6	714.6	283.7	170.8	166.2	168.8	178.5	189.9	198.6	199.6	198.6
80°	770.1	542.3	226.3	154.5	152.8	155.5	163.7	173.4	181.1	182.1	181.1
82.5°	565.4	397.6	179.0	138.0	137.5	140.0	146.7	156.0	162.1	162.6	161.1
85°	403.2	280.6	142.6	120.1	121.1	122.1	128.3	135.4	140.6	141.1	138.0
87.5°	270.4	191.4	111.3	103.1	104.1	104.1	107.7	113.9	117.4	116.9	114.4
90°	176.5	130.3	89.8	87.8	88.3	88.3	89.8	93.9	97.0	95.4	93.9
92.5°	113.9	91.3	73.9	74.9	74.9	73.9	74.4	77.4	79.0	77.4	76.4
95°	77.4	67.2	61.6	63.1	63.6	61.6	61.6	63.1	64.1	62.1	60.6
97.5°	56.0	51.9	50.7	53.4	52.9	51.4	50.2	50.7	51.4	48.7	47.7
100°	42.0	41.0	41.5	44.6	44.1	42.6	41.5	41.0	40.5	38.0	37.4
102.5°	32.8	32.3	34.4	36.9	36.4	34.9	33.9	33.3	32.3	29.3	29.3
105°	25.2	25.7	28.2	30.8	30.3	29.3	28.2	27.2	25.2	22.6	22.6
107.5°	19.0	20.0	23.1	25.7	25.2	24.1	23.1	22.1	19.5	17.5	17.5



REPORT NUMBER: P255122

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.3	15.3	18.5	21.1	20.6	20.0	19.0	17.5	14.8	13.3	12.8
112.5°	10.7	11.8	14.8	16.9	16.9	16.4	15.3	13.8	11.3	10.2	9.7
115°	8.2	9.2	11.8	13.3	13.3	12.8	12.3	10.7	8.2	7.7	7.7
117.5°	6.6	7.2	9.2	10.7	10.7	10.2	9.7	8.2	6.1	6.1	6.1
120°	5.1	5.6	7.2	8.2	8.2	7.7	7.2	6.1	4.6	4.6	4.6
122.5°	4.6	4.6	5.6	6.6	6.1	6.1	5.6	4.6	3.6	3.6	3.6
125°	3.6	4.1	4.6	5.1	4.6	4.6	4.1	3.6	3.1	3.1	3.1
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.1	2.6	2.0	2.6	2.6
130°	3.1	3.1	3.1	3.1	2.6	2.6	2.0	1.5	1.5	2.0	2.0
132.5°	3.1	3.1	3.1	2.6	2.0	1.5	1.5	1.0	1.5	1.5	1.5
135°	2.6	2.6	2.6	2.0	1.5	1.0	0.5	0.5	1.0	1.0	1.0
137.5°	2.6	2.6	2.0	2.0	1.5	0.5	0.0	0.5	0.5	0.5	0.5
140°	2.0	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.5	0.5	0.0
142.5°	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0
145°	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	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)