

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: P255167

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-T4W-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4036 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

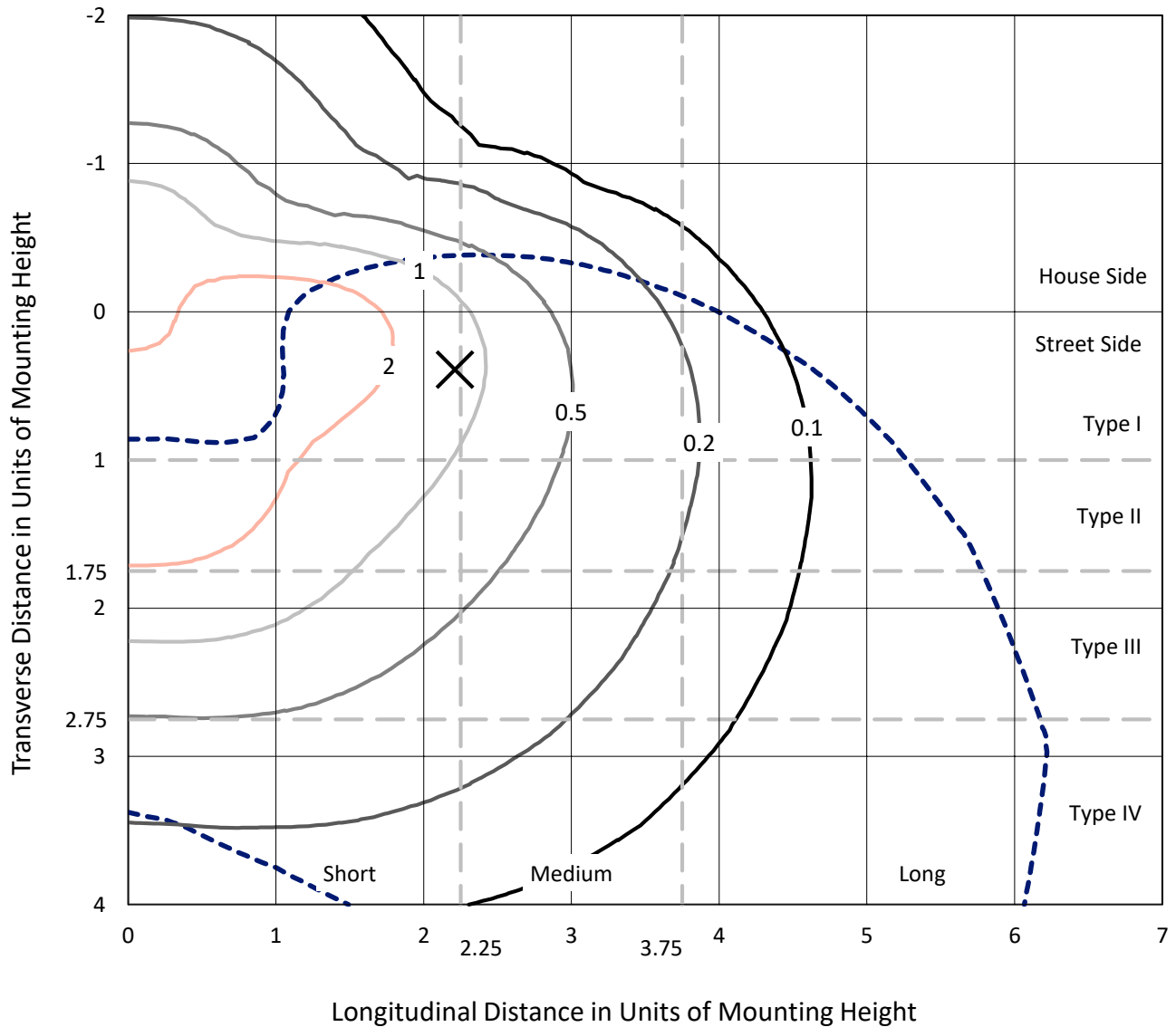
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255167
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

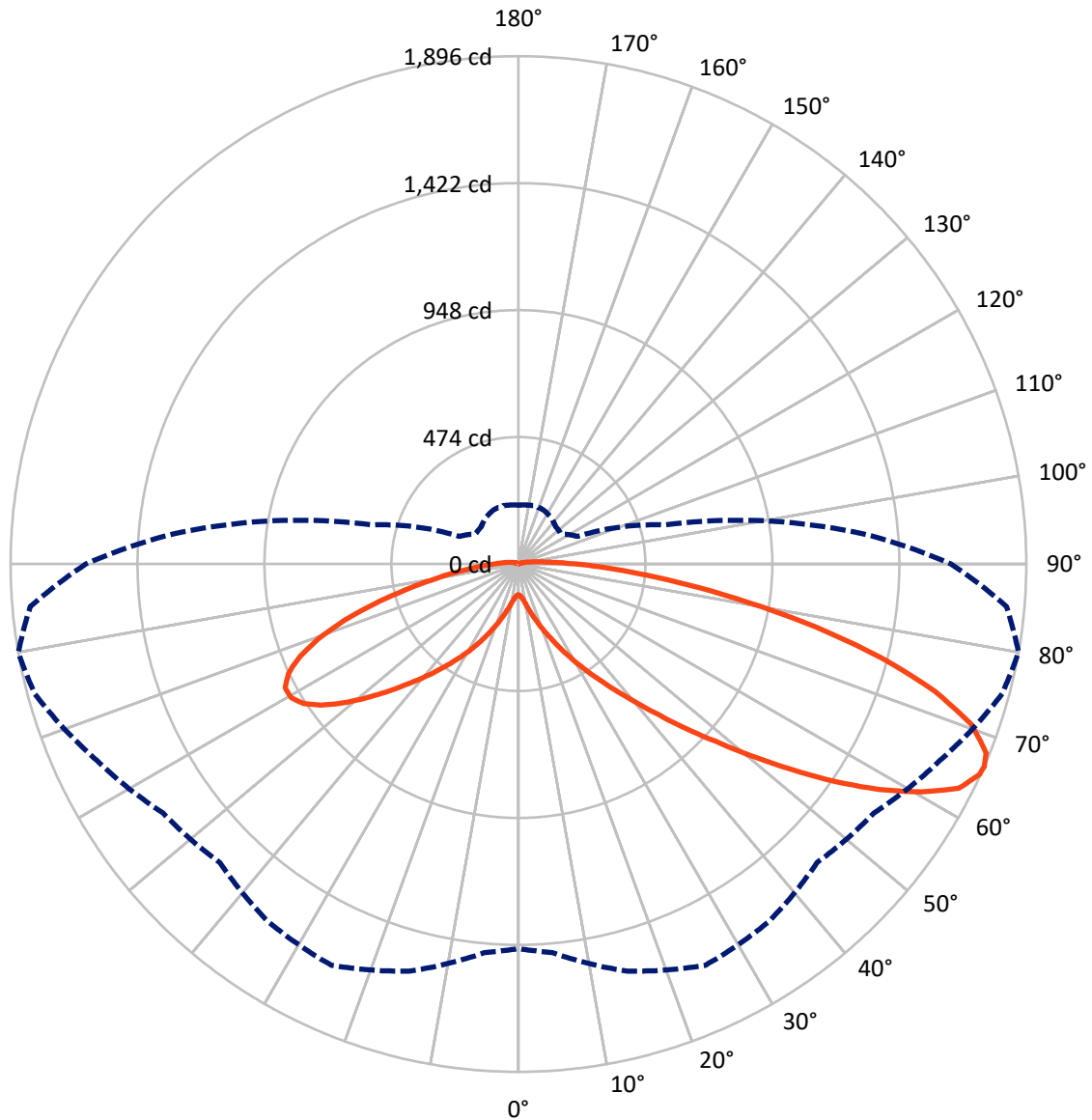


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P255167

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P255167

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

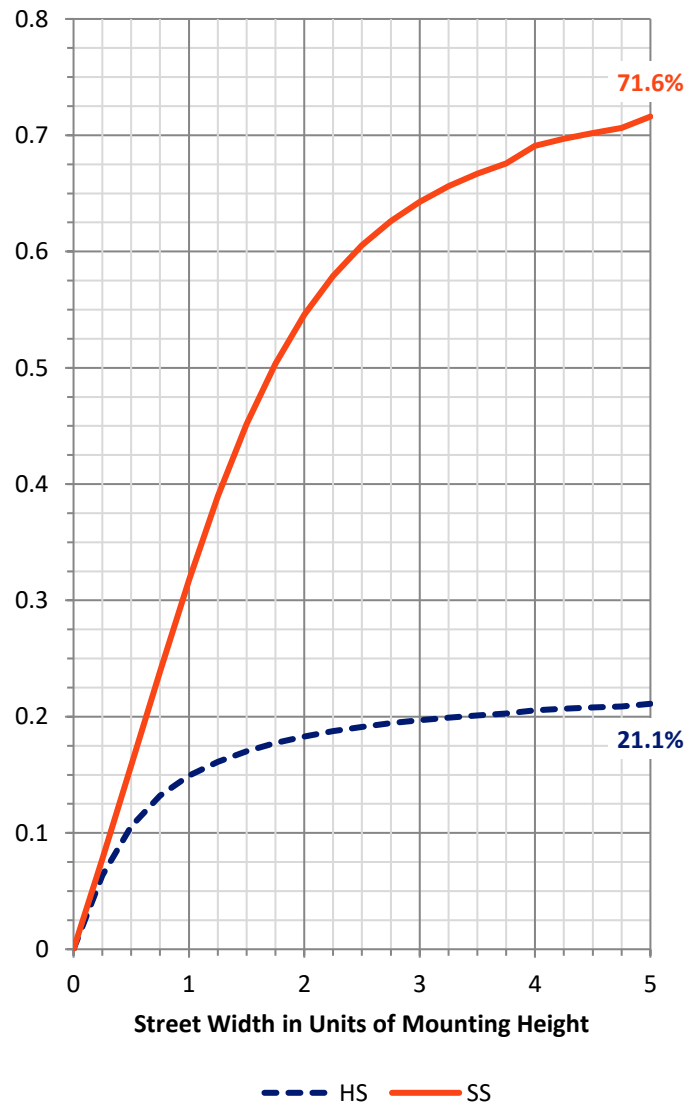
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.0	57.7	952.7
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	3006.0	77.3	3083.3
	% Fixture	74.5	1.9	76.4
Total	Lumens	3901.0	135.0	4036.0
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	54.8	1.4
20°-30°	139.9	3.5
30°-40°	276.8	6.9
40°-50°	479.8	11.9
50°-60°	765.1	19.0
60°-70°	994.7	24.6
70°-80°	822.7	20.4
80°-90°	354.9	8.8
90°-100°	92.6	2.3
100°-110°	27.3	0.7
110°-120°	10.2	0.3
120°-130°	3.5	0.1
130°-140°	1.1	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3901.0	96.7
0°-180°	4036.0	100.0



REPORT NUMBER: P255167

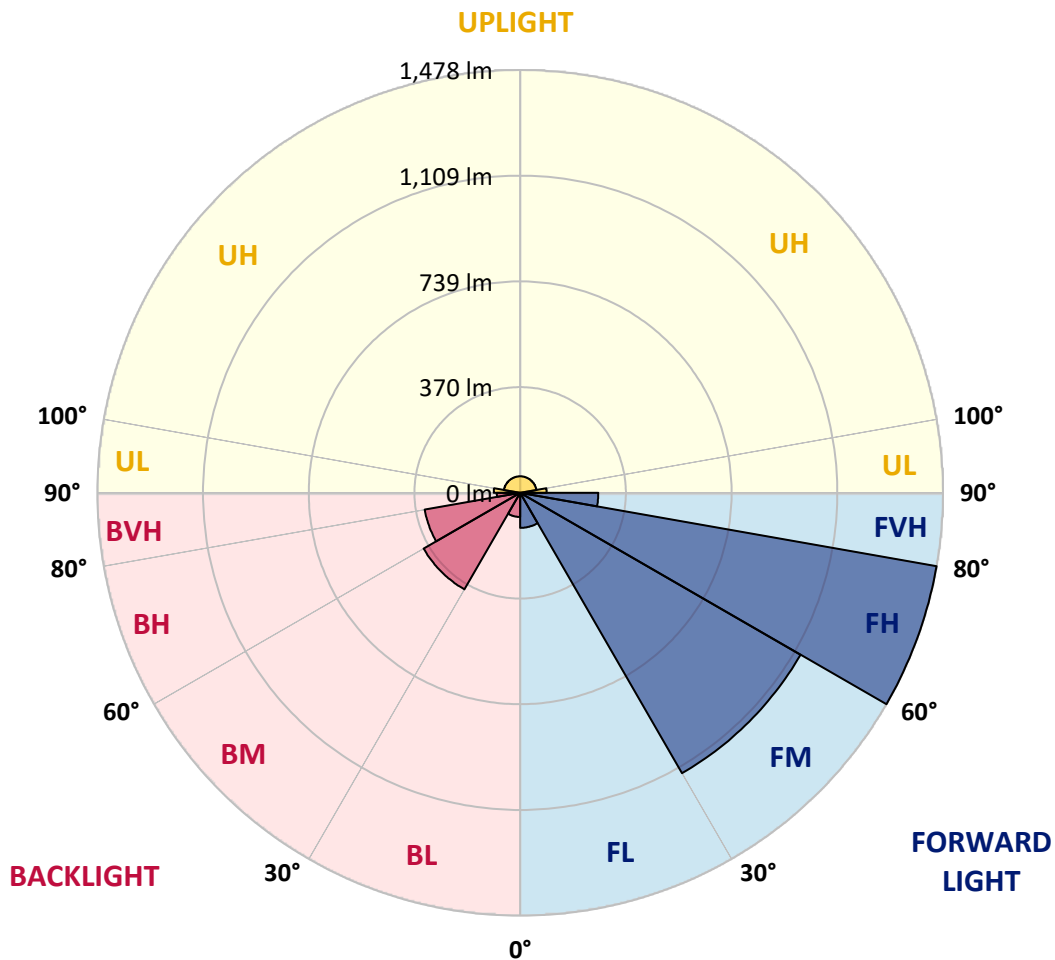
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.6	3.0			
FM (30°-60°)	1131.9	28.0			
FH (60°-80°)	1478.4	36.6			G1/1800
FVH (80°-90°)	273.1	6.8			G3/500
BL (0°-30°)	84.5	2.1	B0/110		
BM (30°-60°)	389.8	9.7	B1/1000		
BH (60°-80°)	339.0	8.4	B1/500		G1/500
BVH (80°-90°)	81.8	2.0			G1/100
UL (90°-100°)	92.6	2.3		U3/500	
UH (100°-180°)	57.7	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P255167

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	123.7	123.3	123.7	123.7	123.3	122.7	121.3	120.3	118.9	117.9	117.4
5°	133.9	133.4	133.4	133.4	132.9	131.9	130.0	128.1	126.0	124.7	124.2
7.5°	148.5	147.0	147.0	146.5	145.6	144.1	141.6	139.8	137.7	135.4	134.4
10°	168.4	167.3	165.8	164.9	162.5	161.0	158.1	155.7	154.3	152.3	150.3
12.5°	192.1	193.5	192.7	188.7	185.7	183.3	179.5	178.0	176.6	174.2	172.6
15°	223.1	224.1	221.7	217.8	212.9	210.0	206.2	202.7	201.8	198.9	196.8
17.5°	258.5	260.5	256.6	250.7	244.5	237.6	234.8	231.4	229.9	227.0	225.1
20°	300.8	302.6	297.3	288.7	279.3	269.7	266.3	262.4	261.9	259.1	257.6
22.5°	350.1	351.7	343.4	330.8	317.7	305.1	299.8	295.9	296.4	293.9	293.5
25°	407.4	408.0	396.3	379.7	359.9	343.0	335.7	333.7	335.7	334.3	333.2
27.5°	472.0	471.5	460.8	435.1	405.1	381.8	373.0	373.4	377.8	378.8	378.8
30°	543.2	545.2	527.2	493.8	454.5	422.5	413.3	415.1	427.9	427.9	427.9
32.5°	626.2	625.7	605.4	556.9	507.8	468.6	456.4	458.4	473.8	481.2	478.8
35°	718.8	718.0	692.7	630.5	566.1	517.6	501.1	510.2	531.6	539.8	537.9
37.5°	818.4	818.4	788.8	712.6	629.7	570.9	553.0	563.1	593.3	606.8	599.5
40°	920.2	920.6	885.8	805.2	701.9	629.2	608.8	626.7	668.8	682.0	677.2
42.5°	1022.0	1019.2	986.6	896.9	779.4	694.6	669.9	700.0	751.3	769.8	762.9
45°	1124.9	1122.9	1093.3	993.3	864.4	765.5	739.6	778.5	845.4	875.0	868.3
47.5°	1224.2	1224.2	1196.6	1090.4	956.6	846.0	822.6	870.7	955.6	988.0	989.6
50°	1317.8	1319.5	1295.6	1196.6	1050.6	934.7	914.4	976.9	1087.4	1122.9	1125.4
52.5°	1405.2	1409.1	1393.6	1307.3	1155.9	1033.7	1019.2	1090.0	1219.5	1271.3	1277.7
55°	1482.8	1484.3	1482.3	1410.1	1264.0	1137.5	1132.6	1217.4	1376.5	1432.4	1432.4
57.5°	1537.2	1545.9	1563.8	1505.1	1376.5	1251.0	1250.0	1349.9	1520.7	1587.1	1583.2
60°	1561.9	1571.5	1617.1	1590.0	1480.9	1364.9	1375.1	1488.2	1674.0	1727.3	1723.9
62.5°	1546.3	1559.0	1633.2	1646.7	1563.8	1471.1	1490.7	1612.3	1781.6	1844.2	1806.4
65°	1474.6	1493.0	1596.9	1659.4	1618.6	1552.2	1589.0	1709.8	1855.3	1892.3	1835.0
66°	1435.3	1455.7	1573.0	1652.1	1629.3	1575.9	1619.7	1735.6	1869.4	1895.6	1829.2
67.5°	1369.8	1386.3	1520.7	1625.9	1634.2	1608.0	1656.1	1760.8	1865.6	1883.0	1797.7
70°	1217.0	1237.4	1385.9	1544.5	1609.4	1628.4	1681.3	1757.9	1818.0	1793.7	1680.3
72.5°	1031.2	1063.3	1210.7	1404.3	1531.4	1597.3	1655.1	1694.3	1691.9	1625.9	1490.7
75°	821.2	841.1	997.3	1206.9	1384.9	1507.6	1565.2	1558.5	1497.8	1398.9	1247.0
77.5°	613.2	633.0	771.7	978.4	1182.0	1337.4	1389.7	1360.2	1247.6	1137.9	991.0
80°	431.7	449.2	565.1	758.1	955.0	1115.2	1158.8	1116.6	978.9	870.2	745.0
82.5°	294.5	302.2	399.3	566.5	744.6	880.8	923.0	868.7	737.3	634.0	536.5
85°	181.0	192.1	271.2	403.6	547.6	652.4	685.4	642.7	529.7	447.2	369.7
87.5°	105.8	112.1	167.8	272.2	393.9	479.7	496.7	456.9	363.3	302.6	245.4
90°	56.7	61.6	96.4	169.8	267.2	331.8	344.3	307.6	237.6	193.1	157.2
92.5°	33.5	36.4	57.7	102.3	171.2	218.3	227.0	197.4	149.3	123.7	102.8
95°	21.9	23.8	37.8	64.0	105.2	138.2	142.6	122.3	94.6	81.5	71.3
97.5°	16.1	16.9	27.2	43.7	66.4	84.9	88.3	75.7	62.6	56.3	51.0
100°	12.6	13.5	20.9	32.0	44.6	54.8	55.8	49.5	43.1	39.8	37.8
102.5°	10.7	11.2	16.9	25.2	33.5	38.8	39.4	35.0	30.6	28.6	28.1
105°	9.2	9.8	14.5	20.9	26.7	30.0	30.0	26.2	22.3	20.9	21.3
107.5°	7.7	8.2	12.1	17.5	22.3	24.7	24.2	20.3	16.5	15.1	15.6



REPORT NUMBER: P255167

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	6.8	7.3	10.7	15.1	19.4	20.9	19.8	16.1	11.7	10.7	11.2
112.5°	6.3	6.3	9.2	13.1	16.5	17.5	16.1	12.1	8.2	7.7	8.2
115°	5.4	5.8	7.7	11.2	13.5	14.5	13.1	9.2	5.8	5.8	6.3
117.5°	4.8	5.4	6.8	9.2	11.7	12.1	10.7	7.3	4.4	4.4	4.8
120°	4.4	4.4	5.8	7.7	9.8	9.8	8.2	5.4	3.4	3.4	4.0
122.5°	4.0	4.4	4.8	6.3	7.7	7.7	6.3	4.0	2.9	2.9	3.4
125°	3.4	4.0	4.4	5.4	6.3	6.3	4.8	2.9	2.4	2.9	2.9
127.5°	3.4	3.4	4.0	4.4	5.4	4.8	4.0	1.9	2.4	2.4	2.9
130°	2.9	2.9	3.4	3.4	4.0	4.0	2.9	1.9	1.9	2.4	2.4
132.5°	2.4	2.4	2.9	2.9	3.4	2.9	1.9	1.4	1.9	1.9	2.4
135°	1.9	1.9	1.9	2.4	2.4	1.9	1.4	1.4	1.9	1.9	1.9
137.5°	1.9	1.4	1.9	1.9	1.4	1.0	1.0	1.0	1.4	1.9	1.9
140°	1.0	1.0	1.0	1.0	1.0	0.4	0.4	1.0	1.4	1.4	1.9
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.4	1.4
145°	0.0	0.0	0.4	0.4	0.0	0.0	0.4	0.4	1.0	1.0	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	116.9	116.4	114.9	113.9	113.0	112.1	112.1	112.1	111.6	111.1	111.1
5°	123.3	122.3	120.3	118.3	116.0	113.9	113.0	112.5	111.6	110.6	110.6
7.5°	133.4	131.9	128.5	124.7	122.3	119.3	118.3	117.4	116.0	114.9	114.5
10°	148.9	146.5	141.2	136.3	131.4	127.7	126.0	125.1	124.2	124.2	124.2
12.5°	169.8	166.8	160.1	151.4	145.6	139.8	137.7	137.2	137.7	138.2	138.2
15°	194.1	189.1	180.5	168.8	160.5	154.3	152.3	152.3	153.3	153.7	153.7
17.5°	222.2	216.4	201.8	188.3	177.0	170.2	167.3	167.3	169.3	170.2	170.8
20°	251.8	245.4	228.9	207.1	193.1	185.3	181.9	182.4	184.7	187.3	187.7
22.5°	285.7	278.4	253.7	227.0	208.5	198.5	194.5	196.0	199.8	203.2	204.2
25°	324.5	315.3	282.8	248.3	222.7	209.0	206.2	209.0	214.9	219.3	219.7
27.5°	366.7	355.1	312.4	267.8	233.3	215.9	213.9	219.7	226.5	231.8	232.8
30°	413.8	399.3	343.4	284.7	241.6	221.1	219.3	227.0	235.2	241.6	242.5
32.5°	466.1	446.3	373.4	299.3	246.4	223.1	222.2	231.4	241.6	247.9	248.8
35°	523.0	496.7	405.5	311.0	248.3	222.7	222.2	232.8	243.5	249.7	250.3
37.5°	585.9	554.0	436.1	319.7	247.9	220.7	220.7	231.8	242.0	247.9	247.9
40°	658.8	616.0	469.5	325.5	245.4	217.3	217.8	228.1	237.6	241.6	242.0
42.5°	741.7	687.8	500.1	327.9	240.6	213.4	213.4	223.7	231.4	233.3	233.3
45°	836.7	767.9	533.6	327.4	235.8	209.0	209.6	218.3	224.1	224.6	224.1
47.5°	950.8	860.5	565.1	325.5	228.9	204.7	206.2	213.9	218.3	217.8	217.3
50°	1075.8	960.4	596.1	321.1	223.1	201.8	203.8	211.0	214.9	213.4	212.5
52.5°	1211.2	1064.7	623.8	314.3	216.8	199.4	202.7	210.0	213.4	211.0	211.0
55°	1351.4	1168.0	645.6	304.2	211.5	197.9	203.2	210.0	213.9	211.5	211.5
57.5°	1478.5	1256.8	655.8	292.5	207.1	197.4	204.2	212.5	215.9	213.9	213.9
60°	1578.4	1318.9	649.0	278.9	202.7	196.8	206.2	215.3	219.3	216.8	216.8
62.5°	1638.1	1346.5	624.8	264.4	199.4	197.4	209.0	219.7	222.7	219.7	218.7
65°	1635.6	1317.8	584.0	248.8	196.0	197.4	211.0	222.2	224.6	221.1	219.7
66°	1614.3	1293.2	563.1	243.0	195.0	196.8	211.5	222.2	225.1	221.1	219.7
67.5°	1574.0	1242.3	528.7	233.9	192.7	196.4	212.0	222.7	224.6	221.1	219.3
70°	1446.9	1129.2	464.3	218.3	188.3	194.1	210.6	221.1	222.7	219.7	217.8
72.5°	1256.8	968.7	398.7	202.7	182.4	188.7	206.6	216.4	218.7	215.9	213.9
75°	1032.7	785.8	333.2	187.7	173.6	181.0	198.9	208.5	211.5	209.0	206.6
77.5°	802.7	601.5	270.6	173.1	163.5	171.2	188.3	196.8	199.8	196.8	195.5
80°	595.7	444.8	217.3	157.7	151.9	159.1	175.2	182.9	185.7	182.4	181.4
82.5°	427.3	322.6	173.1	140.6	137.7	144.5	159.1	165.8	168.4	166.4	163.1
85°	285.7	222.2	136.8	122.3	122.7	129.0	141.2	145.6	148.5	146.5	143.5
87.5°	193.5	152.3	108.1	103.8	105.2	109.6	120.7	124.2	126.0	123.7	123.3
90°	126.0	105.2	85.9	87.9	89.7	93.1	100.0	101.4	103.8	101.4	100.8
92.5°	85.9	77.1	69.8	73.2	75.7	78.1	82.0	82.9	84.9	82.9	82.0
95°	63.1	59.6	56.7	61.0	63.6	65.0	67.4	66.9	68.4	66.4	65.4
97.5°	48.1	46.1	46.6	50.5	52.9	53.9	54.8	53.9	54.3	52.3	51.5
100°	37.3	36.4	37.8	41.7	43.7	43.7	44.1	43.1	42.2	40.2	38.8
102.5°	28.6	28.6	30.6	34.4	35.9	35.9	35.4	34.0	32.4	30.6	30.6
105°	21.9	22.3	25.2	28.6	29.6	29.1	29.1	27.2	25.2	22.8	22.8
107.5°	16.5	16.9	19.8	23.3	24.2	24.2	23.3	21.3	18.9	16.9	16.9



REPORT NUMBER: P255167

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.1	13.1	16.1	18.9	19.8	19.4	18.9	16.5	14.1	12.6	12.1
112.5°	9.2	9.8	12.6	15.1	16.1	16.1	15.1	12.6	10.2	9.2	9.2
115°	6.8	7.7	9.8	12.1	12.6	12.6	11.7	9.8	7.3	6.3	6.8
117.5°	5.4	5.8	7.7	9.8	9.8	9.8	8.7	6.8	5.4	4.8	4.8
120°	4.4	4.8	5.8	7.3	7.3	7.3	6.3	4.8	4.0	3.4	4.0
122.5°	3.4	4.0	4.4	5.4	5.4	5.4	4.8	3.4	2.4	2.4	2.9
125°	3.4	3.4	3.4	4.0	4.0	4.0	3.4	2.4	1.9	1.9	1.9
127.5°	2.9	2.9	2.9	2.9	2.9	2.4	1.9	1.4	1.0	1.4	1.4
130°	2.9	2.9	2.4	2.4	1.9	1.4	1.0	0.4	0.4	1.0	1.0
132.5°	2.4	2.4	2.4	1.9	1.4	1.0	0.4	0.0	0.0	0.4	0.4
135°	2.4	2.4	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	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)