

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: P255127

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255127
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-AF24-90-D-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA 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: 8462.9 lumens
Efficiency: N/A
Efficacy: 90.0 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: B2 - U3 - G3

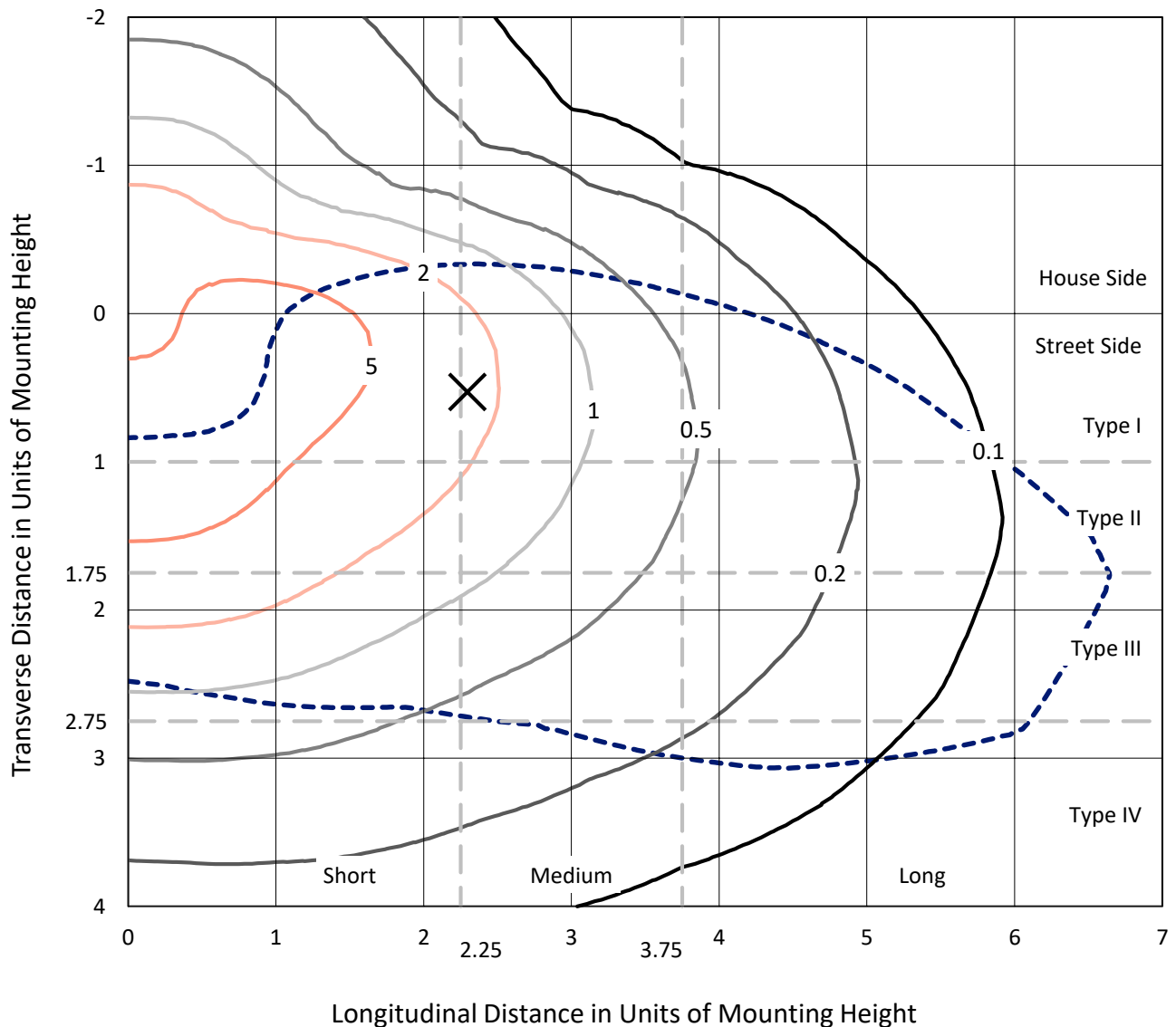
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255127
 CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

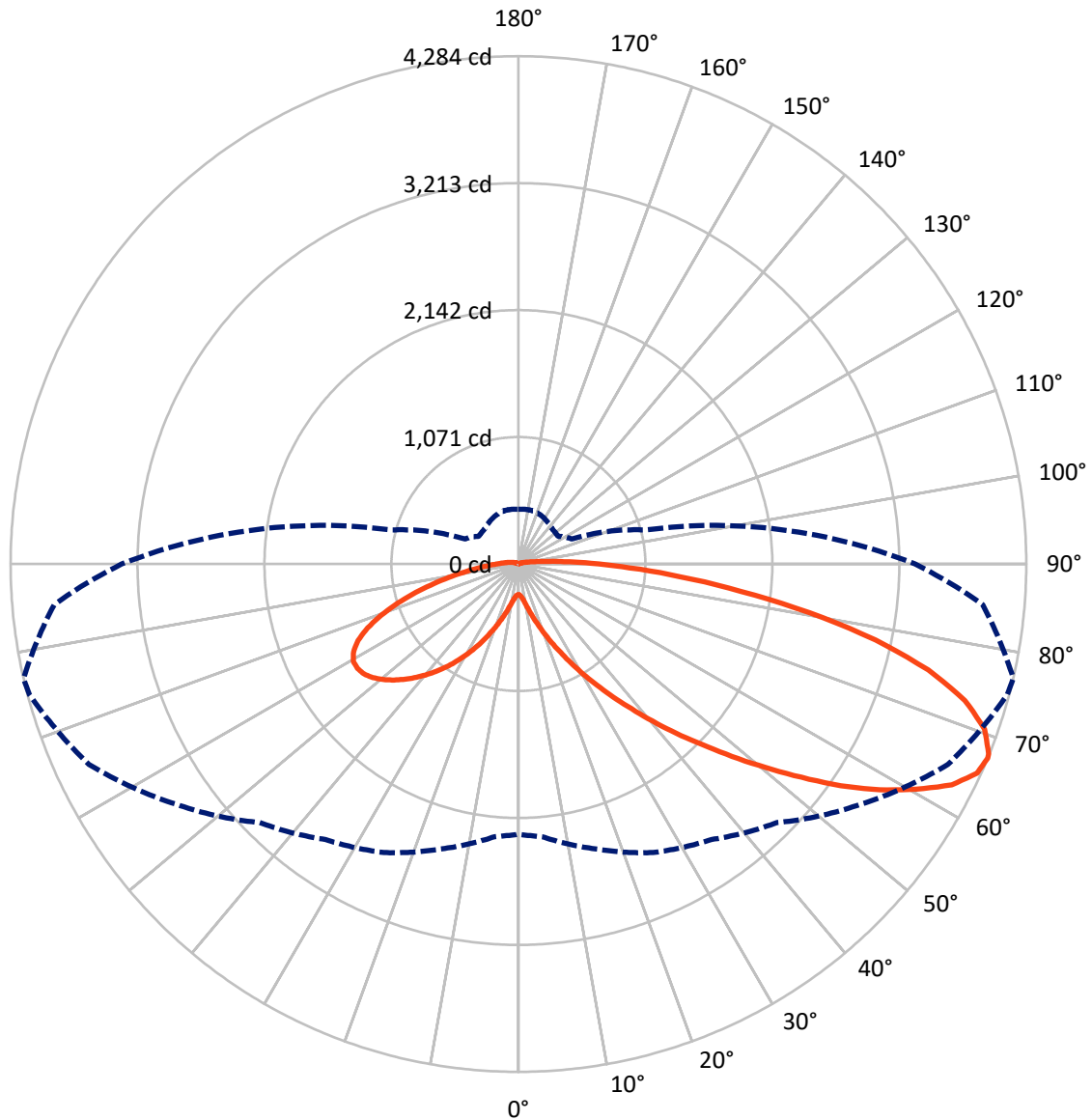


Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

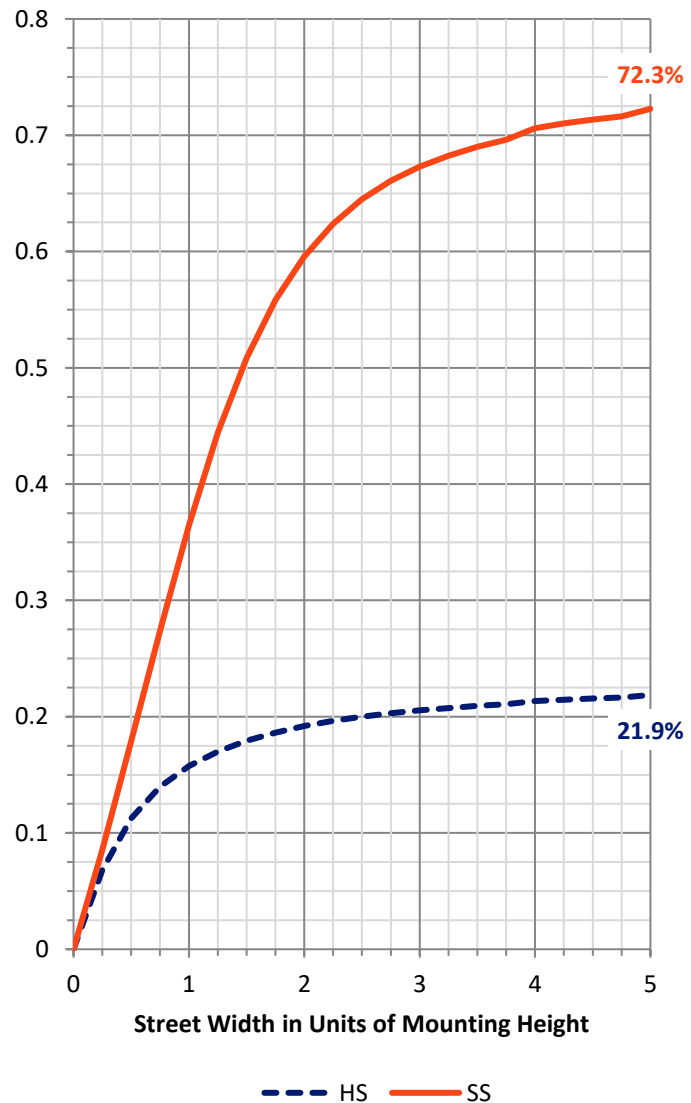
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1932.5	116.7	2049.2
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	6274.6	139.2	6413.7
	% Fixture	74.1	1.6	75.8
Total	Lumens	8207.1	255.8	8462.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.3
10°-20°	125.2	1.5
20°-30°	329.1	3.9
30°-40°	672.8	8.0
40°-50°	1166.3	13.8
50°-60°	1729.9	20.4
60°-70°	2007.4	23.7
70°-80°	1516.4	17.9
80°-90°	631.9	7.5
90°-100°	167.5	2.0
100°-110°	54.4	0.6
110°-120°	21.6	0.3
120°-130°	8.2	0.1
130°-140°	3.1	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8207.1	97.0
0°-180°	8462.9	100.0



REPORT NUMBER: P255127

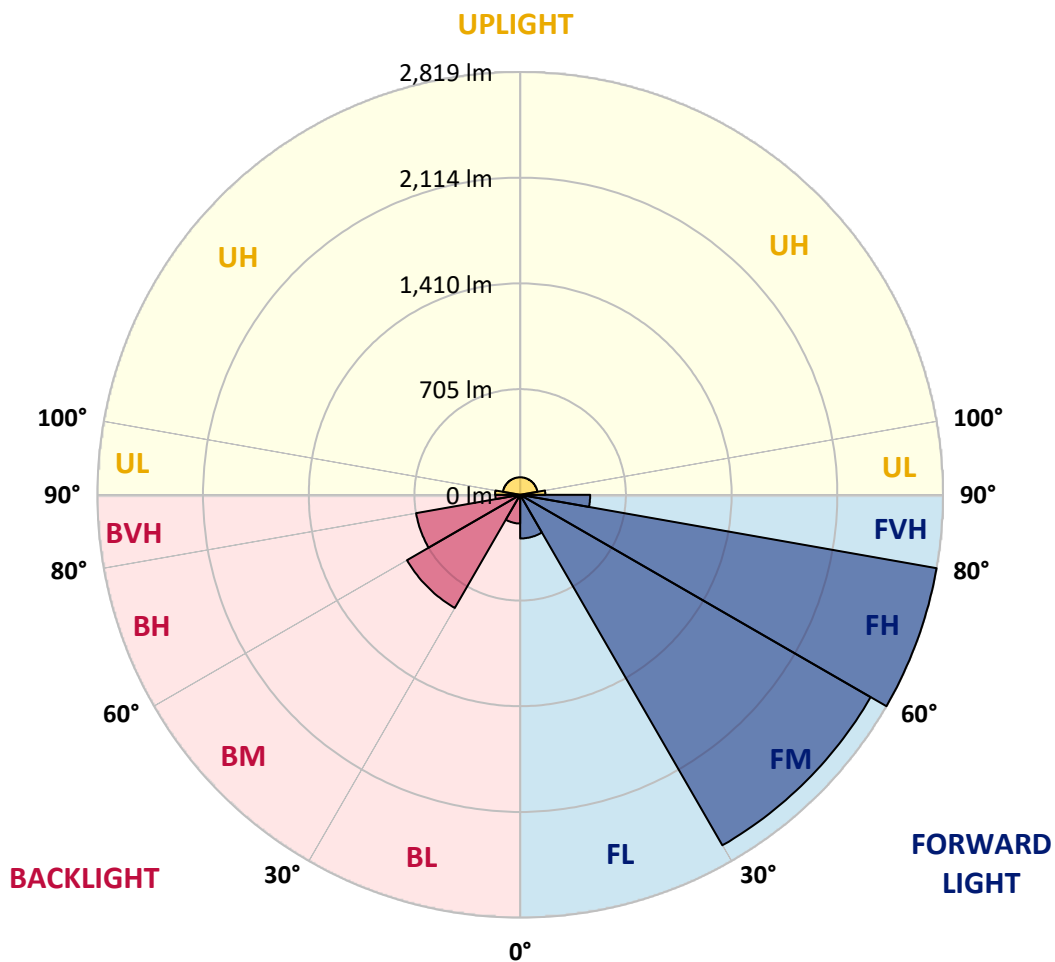
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.9	3.4			
FM (30°-60°)	2697.8	31.9			
FH (60°-80°)	2819.2	33.3			G2/5000
FVH (80°-90°)	466.7	5.5			G3/500
BL (0°-30°)	191.4	2.3	B1/500		
BM (30°-60°)	871.3	10.3	B1/1000		
BH (60°-80°)	704.6	8.3	B2/1000		G2/1000
BVH (80°-90°)	165.2	2.0			G2/225
UL (90°-100°)	167.5	2.0		U3/500	
UH (100°-180°)	116.7	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	271.8	271.8	273.7	272.8	272.8	270.8	269.8	266.7	264.7	264.7	263.7
5°	292.0	292.0	293.0	294.0	292.0	290.9	288.0	283.9	280.9	280.9	278.9
7.5°	322.2	322.2	321.3	322.2	321.3	319.3	315.2	313.2	307.1	308.1	305.1
10°	365.7	365.7	363.7	365.7	360.7	358.6	355.6	352.6	345.6	347.5	342.5
12.5°	427.4	427.4	425.3	422.3	415.2	411.2	409.2	407.1	401.1	402.1	396.0
15°	501.1	500.1	498.1	494.0	482.9	477.8	472.8	469.7	464.7	466.8	460.7
17.5°	588.0	585.9	578.9	572.9	561.7	553.6	546.6	543.5	537.5	538.5	530.4
20°	688.0	686.0	676.9	667.8	651.6	640.5	633.4	626.4	620.3	626.4	611.2
22.5°	806.2	808.2	789.0	774.9	750.6	736.5	727.4	721.4	715.2	720.4	703.2
25°	941.6	940.6	919.3	901.2	866.8	842.6	829.4	825.4	822.4	826.4	814.3
27.5°	1097.2	1093.1	1069.9	1031.5	993.1	955.7	938.6	941.6	940.6	943.6	931.5
30°	1269.9	1267.9	1235.6	1181.0	1130.5	1080.0	1063.9	1062.8	1072.0	1078.0	1053.7
32.5°	1460.9	1462.9	1419.4	1348.8	1274.0	1218.4	1203.3	1205.2	1217.4	1216.4	1198.2
35°	1672.0	1672.0	1626.6	1537.7	1438.7	1366.9	1349.8	1368.9	1376.0	1378.0	1350.7
37.5°	1897.3	1894.3	1851.8	1736.7	1623.5	1529.6	1499.2	1523.5	1550.8	1547.7	1519.5
40°	2138.8	2130.7	2075.2	1946.8	1809.4	1696.3	1661.9	1699.3	1738.7	1740.8	1706.4
42.5°	2369.2	2362.0	2304.5	2167.0	2002.4	1886.2	1847.9	1889.2	1945.9	1950.9	1889.2
45°	2585.3	2584.3	2531.8	2390.3	2210.5	2076.2	2037.7	2092.3	2171.1	2171.1	2106.5
47.5°	2789.4	2777.3	2742.9	2601.5	2431.8	2273.1	2235.8	2311.6	2420.6	2423.7	2347.9
50°	2946.0	2937.9	2920.7	2792.5	2619.7	2476.2	2441.9	2555.0	2682.3	2693.4	2600.4
52.5°	3054.1	3046.0	3059.1	2959.1	2803.5	2676.2	2664.1	2804.5	2970.2	2988.4	2877.3
55°	3096.5	3099.5	3142.0	3076.3	2953.1	2852.0	2895.5	3069.3	3265.3	3300.6	3155.1
57.5°	3075.3	3084.4	3159.2	3145.1	3059.1	2993.5	3107.6	3325.8	3561.3	3594.5	3427.9
60°	2964.2	2983.3	3093.5	3130.8	3098.5	3119.8	3295.5	3585.5	3842.1	3857.2	3689.6
62.5°	2783.3	2804.5	2949.1	3046.0	3067.2	3165.2	3432.9	3803.7	4075.4	4101.7	3857.2
65°	2526.7	2557.1	2717.7	2886.4	2971.3	3151.1	3522.8	3945.1	4224.0	4251.3	3942.1
67°	2278.2	2308.5	2486.3	2685.3	2836.8	3084.4	3529.9	3997.7	4267.4	4283.6	3931.0
67.5°	2210.5	2241.8	2419.6	2627.8	2794.4	3058.1	3523.9	4002.7	4267.4	4277.6	3915.9
70°	1840.7	1882.1	2063.0	2302.5	2522.7	2876.2	3435.0	3939.1	4191.6	4172.5	3731.0
72.5°	1455.9	1494.2	1671.0	1924.6	2177.1	2601.5	3234.9	3751.2	3961.3	3938.1	3426.9
75°	1088.1	1120.4	1290.1	1536.7	1804.4	2240.8	2921.8	3446.1	3594.5	3570.3	3006.6
77.5°	779.0	805.2	951.7	1178.0	1425.5	1847.9	2500.5	3013.7	3106.6	3078.4	2496.4
80°	535.4	566.8	671.9	873.9	1086.1	1445.7	2016.5	2455.0	2519.6	2490.4	1950.9
82.5°	353.6	370.8	463.7	627.4	804.1	1096.2	1541.7	1904.4	1960.0	1889.2	1446.8
85°	230.4	234.4	305.1	431.4	579.9	796.1	1130.5	1399.2	1424.5	1372.0	1029.5
87.5°	141.5	147.5	197.0	282.8	400.1	560.7	799.1	977.9	982.0	939.6	695.1
90°	90.9	94.9	126.3	183.8	271.8	381.9	538.5	649.6	646.6	613.3	443.6
92.5°	62.6	64.7	87.9	126.3	176.8	251.5	345.6	410.2	404.1	384.9	279.9
95°	45.4	47.5	64.7	92.0	123.3	165.7	215.2	248.6	241.4	229.3	175.7
97.5°	33.3	35.4	49.5	69.7	92.0	114.2	138.4	148.5	146.5	140.5	117.2
100°	25.3	27.3	38.4	54.5	71.7	84.9	97.0	98.0	94.9	93.0	84.9
102.5°	21.2	22.2	31.3	45.4	58.6	67.7	72.7	71.7	67.7	66.7	62.6
105°	18.2	19.2	27.3	38.4	48.5	56.6	58.6	55.5	50.5	49.5	47.5
107.5°	16.2	16.2	23.2	33.3	42.5	47.5	48.5	43.5	37.3	36.4	35.4



REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	14.1	14.1	20.3	28.3	36.4	40.4	40.4	34.4	26.3	25.3	26.3
112.5°	12.2	13.1	17.2	24.2	31.3	34.4	33.3	27.3	19.2	18.2	19.2
115°	11.2	11.2	15.1	21.2	26.3	29.3	27.3	20.3	14.1	13.1	14.1
117.5°	10.1	10.1	13.1	18.2	22.2	24.2	22.2	16.2	10.1	10.1	11.2
120°	9.1	9.1	11.2	15.1	19.2	20.3	17.2	12.2	8.1	8.1	9.1
122.5°	8.1	8.1	10.1	13.1	16.2	16.2	14.1	9.1	6.0	6.0	7.1
125°	7.1	8.1	9.1	11.2	13.1	13.1	11.2	7.1	5.0	6.0	7.1
127.5°	7.1	7.1	8.1	9.1	11.2	11.2	9.1	5.0	5.0	5.0	6.0
130°	6.0	6.0	7.1	8.1	9.1	9.1	7.1	4.1	5.0	5.0	6.0
132.5°	6.0	6.0	6.0	7.1	7.1	7.1	5.0	4.1	4.1	5.0	5.0
135°	5.0	5.0	5.0	6.0	6.0	5.0	3.1	3.1	4.1	4.1	5.0
137.5°	4.1	4.1	5.0	4.1	4.1	4.1	3.1	3.1	4.1	4.1	4.1
140°	4.1	4.1	4.1	3.1	3.1	2.0	2.0	3.1	3.1	4.1	4.1
142.5°	2.0	3.1	3.1	2.0	2.0	1.0	2.0	2.0	3.1	3.1	3.1
145°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.1	3.1
147.5°	0.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	2.0	2.0
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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



REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	262.7	261.7	258.6	256.7	255.6	254.6	253.6	252.6	252.6	252.6	252.6
5°	276.8	275.8	270.8	266.7	263.7	260.6	258.6	256.7	255.6	254.6	253.6
7.5°	302.1	299.0	293.0	285.9	278.9	272.8	268.7	266.7	263.7	262.7	261.7
10°	339.4	336.4	325.3	313.2	302.1	293.0	285.9	281.8	279.9	277.8	277.8
12.5°	391.0	388.9	369.8	354.7	333.4	319.3	311.2	308.1	307.1	305.1	306.1
15°	452.7	448.6	423.3	400.1	371.7	354.7	342.5	337.5	335.4	332.4	333.4
17.5°	523.3	510.1	480.9	445.5	411.2	389.9	373.8	364.7	361.7	359.7	360.7
20°	601.1	588.0	543.5	493.1	451.6	424.3	402.1	391.0	387.0	387.0	387.0
22.5°	691.0	673.8	612.2	544.5	490.0	451.6	426.4	415.2	411.2	411.2	412.1
25°	794.1	765.8	687.0	599.1	526.3	474.9	448.6	436.5	433.4	433.4	434.4
27.5°	906.2	867.9	763.7	648.7	552.6	491.0	462.7	452.7	450.6	450.6	451.6
30°	1028.5	977.9	842.6	693.0	572.9	501.1	470.8	462.7	461.7	462.7	462.7
32.5°	1157.8	1100.2	920.3	730.4	585.9	506.2	475.9	470.8	469.7	471.8	469.7
35°	1298.2	1221.4	998.2	760.8	594.0	507.2	477.8	474.9	474.9	473.8	472.8
37.5°	1449.7	1347.7	1069.9	783.0	594.0	505.1	476.9	475.9	475.9	473.8	471.8
40°	1623.5	1485.1	1136.6	796.1	588.0	499.1	474.9	474.9	473.8	469.7	467.8
42.5°	1792.2	1627.6	1200.2	798.1	577.9	491.0	471.8	473.8	471.8	463.7	461.7
45°	1980.1	1782.2	1256.8	795.1	563.7	482.9	468.8	472.8	468.8	458.7	456.6
47.5°	2198.4	1948.8	1306.3	783.0	545.5	473.8	464.7	469.7	467.8	455.6	453.6
50°	2422.7	2115.6	1345.7	765.8	527.3	465.7	461.7	468.8	466.8	453.6	451.6
52.5°	2657.0	2288.3	1374.0	738.5	508.2	457.7	458.7	467.8	467.8	454.6	452.7
55°	2889.4	2444.9	1387.1	704.2	487.9	450.6	455.6	467.8	470.8	457.7	455.6
57.5°	3103.6	2571.2	1380.1	664.8	468.8	442.5	453.6	466.8	472.8	460.7	458.7
60°	3282.4	2682.3	1349.8	622.4	452.7	435.5	450.6	466.8	473.8	464.7	462.7
62.5°	3391.5	2721.7	1288.1	576.8	436.5	427.4	445.5	464.7	472.8	465.7	463.7
65°	3412.8	2691.4	1200.2	533.5	421.3	418.3	437.4	458.7	469.7	465.7	462.7
67°	3346.1	2601.5	1108.3	499.1	408.2	409.2	430.4	452.7	465.7	464.7	460.7
67.5°	3316.7	2568.1	1085.0	490.0	406.1	406.1	428.3	450.6	464.7	463.7	460.7
70°	3120.7	2368.1	951.7	447.5	389.9	393.0	415.2	440.5	455.6	456.6	454.6
72.5°	2808.6	2088.3	817.3	407.1	371.7	375.8	398.0	423.3	440.5	442.5	439.5
75°	2397.4	1758.9	683.9	370.8	351.6	354.7	376.9	401.1	419.3	422.3	419.3
77.5°	1982.2	1407.4	558.7	336.4	327.3	332.4	351.6	373.8	391.0	393.0	391.0
80°	1516.4	1067.9	445.5	304.1	301.1	306.1	322.2	341.5	356.6	358.6	356.6
82.5°	1113.4	783.0	352.6	271.8	270.8	275.8	289.0	307.1	319.3	320.3	317.2
85°	794.1	552.6	280.9	236.4	238.4	240.5	252.6	266.7	276.8	277.8	271.8
87.5°	532.4	376.9	219.2	203.1	205.1	205.1	212.2	224.3	231.4	230.4	225.3
90°	347.5	256.7	176.8	172.8	173.8	173.8	176.8	184.8	191.0	187.9	184.8
92.5°	224.3	179.8	145.5	147.5	147.5	145.5	146.5	152.5	155.6	152.5	150.6
95°	152.5	132.4	121.2	124.3	125.3	121.2	121.2	124.3	126.3	122.2	119.2
97.5°	110.2	102.0	100.0	105.1	104.0	101.1	99.0	100.0	101.1	96.0	93.9
100°	82.9	80.8	81.8	87.9	86.8	83.9	81.8	80.8	79.8	74.8	73.8
102.5°	64.7	63.6	67.7	72.7	71.7	68.7	66.7	65.7	63.6	57.6	57.6
105°	49.5	50.5	55.5	60.7	59.6	57.6	55.5	53.5	49.5	44.5	44.5
107.5°	37.3	39.4	45.4	50.5	49.5	47.5	45.4	43.5	38.4	34.4	34.4



REPORT NUMBER: P255127

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.3	30.3	36.4	41.4	40.4	39.4	37.3	34.4	29.3	26.3	25.3
112.5°	21.2	23.2	29.3	33.3	33.3	32.3	30.3	27.3	22.2	20.3	19.2
115°	16.2	18.2	23.2	26.3	26.3	25.3	24.2	21.2	16.2	15.1	15.1
117.5°	13.1	14.1	18.2	21.2	21.2	20.3	19.2	16.2	12.2	12.2	12.2
120°	10.1	11.2	14.1	16.2	16.2	15.1	14.1	12.2	9.1	9.1	9.1
122.5°	9.1	9.1	11.2	13.1	12.2	12.2	11.2	9.1	7.1	7.1	7.1
125°	7.1	8.1	9.1	10.1	9.1	9.1	8.1	7.1	6.0	6.0	6.0
127.5°	7.1	7.1	7.1	7.1	7.1	7.1	6.0	5.0	4.1	5.0	5.0
130°	6.0	6.0	6.0	6.0	5.0	5.0	4.1	3.1	3.1	4.1	4.1
132.5°	6.0	6.0	6.0	5.0	4.1	3.1	3.1	2.0	3.1	3.1	3.1
135°	5.0	5.0	5.0	4.1	3.1	2.0	1.0	1.0	2.0	2.0	2.0
137.5°	5.0	5.0	4.1	4.1	3.1	1.0	0.0	1.0	1.0	1.0	1.0
140°	4.1	4.1	4.1	3.1	2.0	1.0	0.0	0.0	1.0	1.0	0.0
142.5°	4.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
145°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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)