

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: P255119

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255119
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-AF24-100-D-U-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 8101.6 lumens
Efficiency: N/A
Efficacy: 84.4 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: B2 - U3 - G3

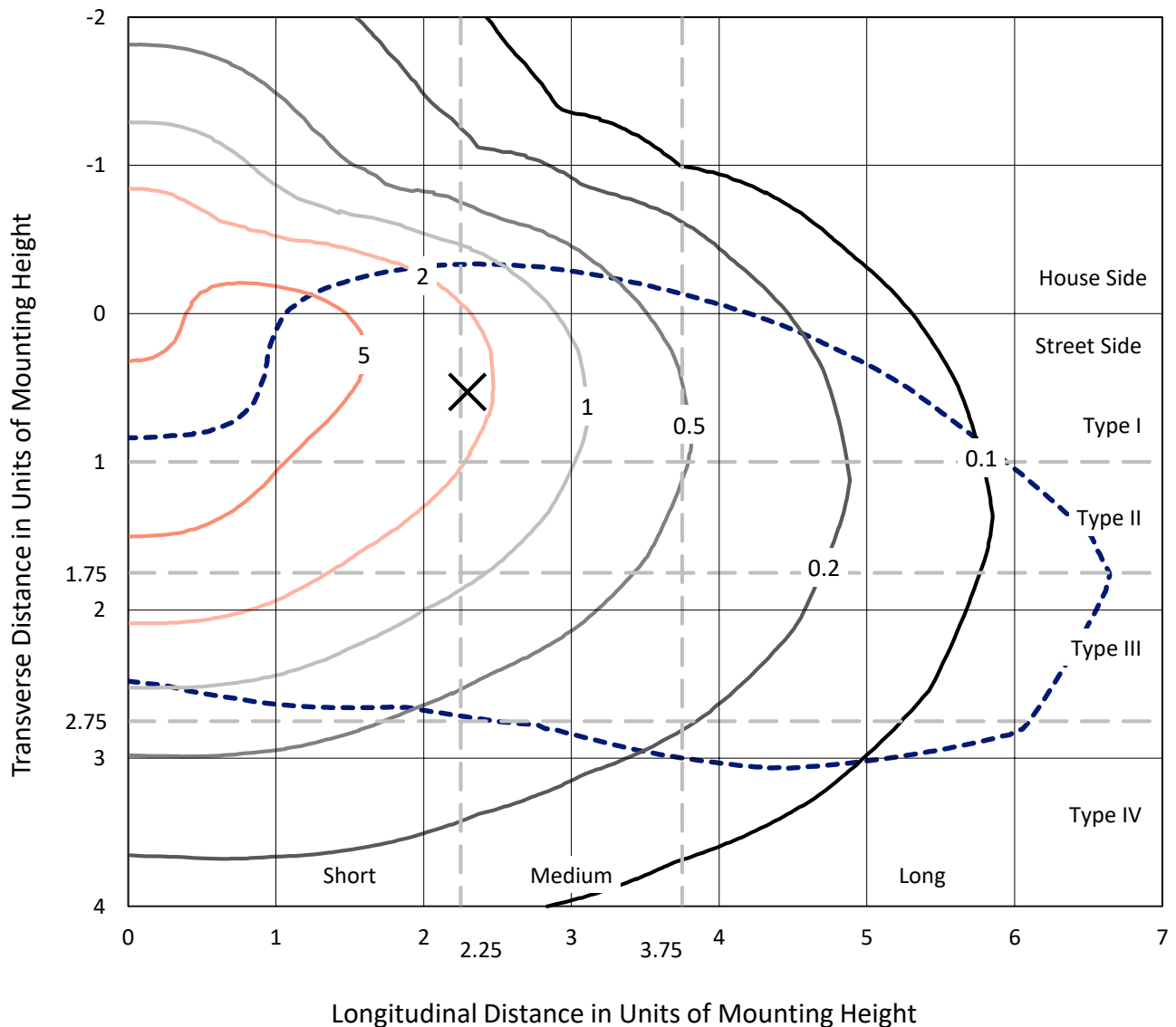
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255119
 CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

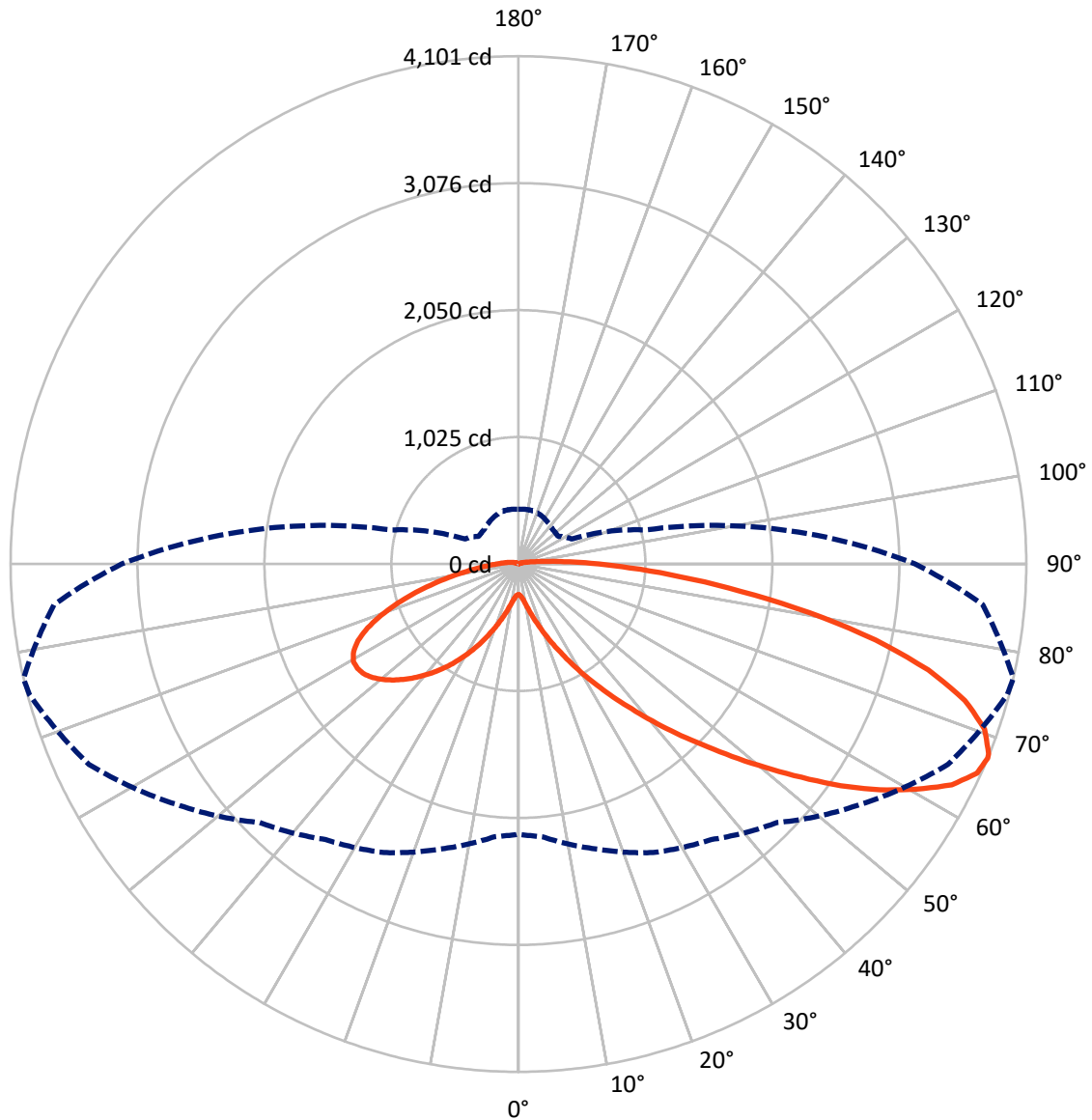
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255119
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P255119

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

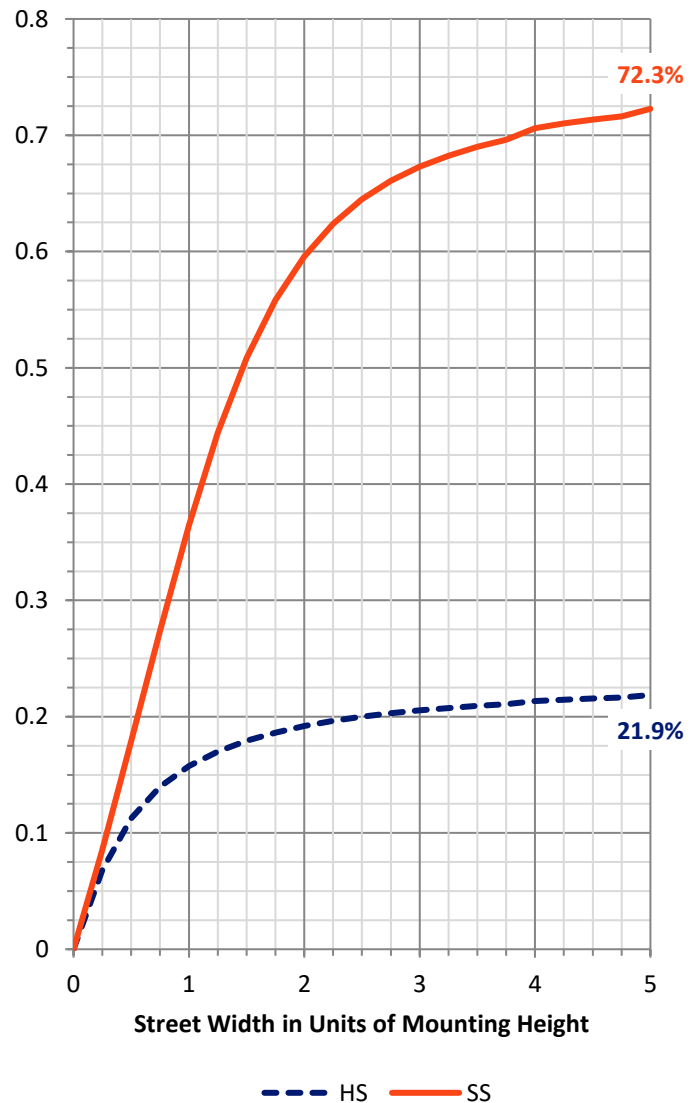
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.0	111.7	1961.7
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	6006.7	133.2	6139.9
	% Fixture	74.1	1.6	75.8
Total	Lumens	7856.7	244.9	8101.6
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	0.3
10°-20°	119.9	1.5
20°-30°	315.1	3.9
30°-40°	644.1	8.0
40°-50°	1116.5	13.8
50°-60°	1656.0	20.4
60°-70°	1921.7	23.7
70°-80°	1451.6	17.9
80°-90°	605.0	7.5
90°-100°	160.4	2.0
100°-110°	52.1	0.6
110°-120°	20.7	0.3
120°-130°	7.8	0.1
130°-140°	3.0	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°	7856.7	97.0
0°-180°	8101.6	100.0



REPORT NUMBER: P255119

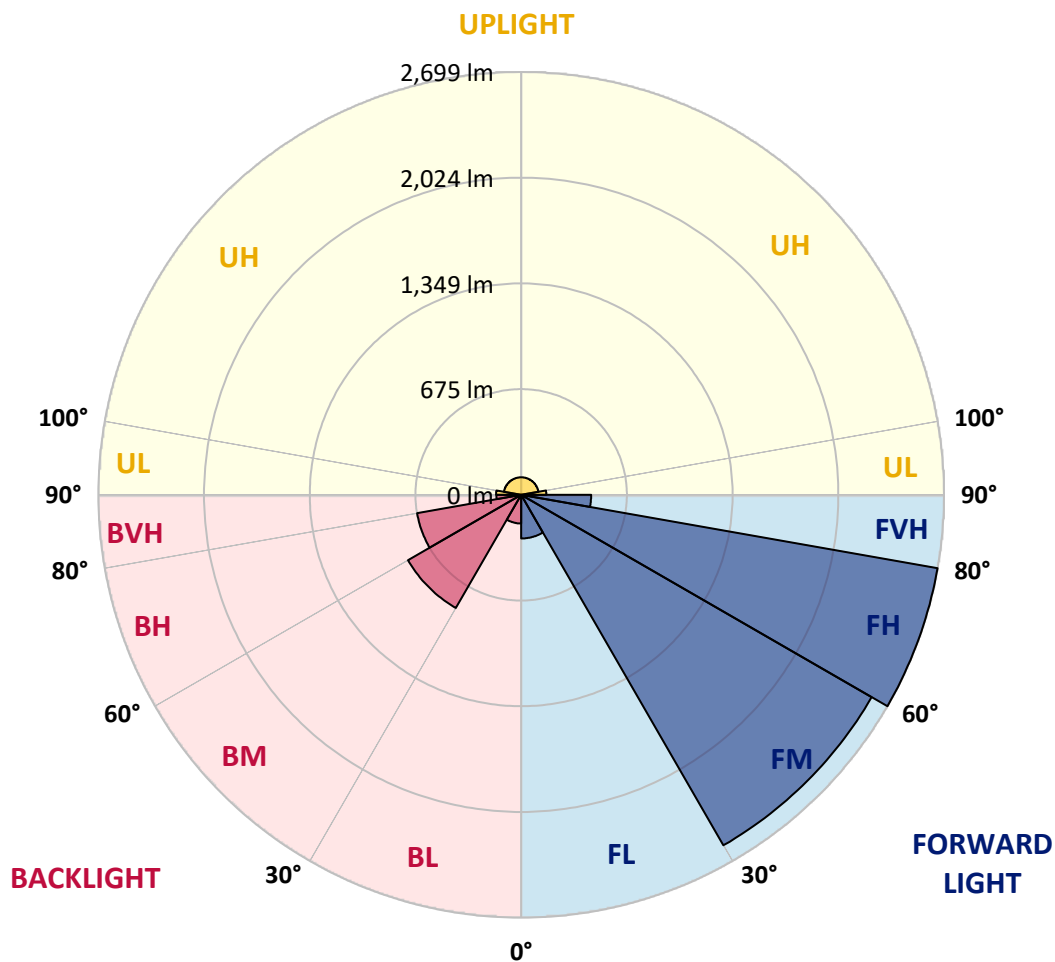
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.5	3.4			
FM (30°-60°)	2582.6	31.9			
FH (60°-80°)	2698.9	33.3			G2/5000
FVH (80°-90°)	446.8	5.5			G3/500
BL (0°-30°)	183.2	2.3	B1/500		
BM (30°-60°)	834.1	10.3	B1/1000		
BH (60°-80°)	674.5	8.3	B2/1000		G2/1000
BVH (80°-90°)	158.2	2.0			G2/225
UL (90°-100°)	160.4	2.0		U3/500	
UH (100°-180°)	111.7	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P255119

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	260.1	260.1	262.1	261.1	261.1	259.2	258.2	255.3	253.4	253.4	252.4
5°	279.4	279.4	280.5	281.5	279.4	278.5	275.7	271.7	268.9	268.9	266.9
7.5°	308.5	308.5	307.6	308.5	307.6	305.6	301.8	299.8	294.0	295.0	292.0
10°	350.0	350.0	348.2	350.0	345.3	343.3	340.5	337.5	330.7	332.7	327.9
12.5°	409.0	409.0	407.2	404.3	397.4	393.7	391.7	389.7	383.9	384.9	379.1
15°	479.7	478.8	476.8	473.0	462.2	457.5	452.7	449.7	444.9	446.9	441.0
17.5°	562.9	560.9	554.2	548.4	537.8	530.0	523.3	520.3	514.5	515.4	507.7
20°	658.7	656.6	648.0	639.2	623.8	613.2	606.4	599.7	593.9	599.7	585.1
22.5°	771.8	773.8	755.3	741.8	718.6	705.0	696.3	690.5	684.7	689.5	673.1
25°	901.4	900.4	880.1	862.7	829.9	806.6	794.0	790.2	787.2	791.1	779.6
27.5°	1050.3	1046.4	1024.2	987.4	950.7	914.9	898.4	901.4	900.4	903.3	891.7
30°	1215.7	1213.8	1182.8	1130.7	1082.2	1033.9	1018.4	1017.4	1026.2	1032.0	1008.8
32.5°	1398.5	1400.4	1358.8	1291.1	1219.6	1166.4	1151.9	1153.8	1165.5	1164.4	1147.0
35°	1600.6	1600.6	1557.2	1472.0	1377.2	1308.6	1292.1	1310.4	1317.2	1319.2	1293.1
37.5°	1816.3	1813.3	1772.8	1662.5	1554.2	1464.3	1435.2	1458.5	1484.7	1481.7	1454.6
40°	2047.4	2039.8	1986.6	1863.8	1732.2	1623.8	1591.0	1626.8	1664.4	1666.4	1633.5
42.5°	2268.0	2261.2	2206.1	2074.5	1916.9	1805.7	1768.9	1808.6	1862.8	1867.6	1808.6
45°	2474.9	2473.9	2423.7	2288.3	2116.2	1987.5	1950.8	2002.9	2078.4	2078.4	2016.5
47.5°	2670.3	2658.8	2625.8	2490.4	2328.0	2176.1	2140.3	2212.8	2317.3	2320.2	2247.7
50°	2820.2	2812.5	2796.1	2673.2	2507.8	2370.5	2337.6	2445.9	2567.8	2578.4	2489.5
52.5°	2923.7	2915.9	2928.5	2832.8	2683.9	2562.0	2550.3	2684.8	2843.5	2860.9	2754.4
55°	2964.3	2967.3	3007.8	2945.0	2827.0	2730.3	2771.9	2938.2	3125.8	3159.7	3020.4
57.5°	2944.0	2952.7	3024.3	3010.7	2928.5	2865.7	2974.9	3183.9	3409.2	3441.1	3281.6
60°	2837.6	2856.0	2961.5	2997.2	2966.3	2986.6	3154.9	3432.4	3678.1	3692.6	3532.1
62.5°	2664.5	2684.8	2823.2	2915.9	2936.3	3030.1	3286.4	3641.3	3901.5	3926.7	3692.6
65°	2418.9	2447.9	2601.7	2763.1	2844.3	3016.5	3372.5	3776.8	4043.6	4069.8	3773.9
67°	2181.0	2210.0	2380.2	2570.7	2715.7	2952.7	3379.3	3827.1	4085.2	4100.7	3763.2
67.5°	2116.2	2146.1	2316.3	2515.5	2675.1	2927.6	3373.4	3831.8	4085.2	4094.9	3748.6
70°	1762.2	1801.8	1975.0	2204.1	2414.9	2753.5	3288.2	3771.0	4012.8	3994.3	3571.6
72.5°	1393.7	1430.4	1599.7	1842.4	2084.2	2490.4	3096.9	3591.1	3792.2	3770.0	3280.6
75°	1041.7	1072.6	1235.0	1471.0	1727.4	2145.2	2797.0	3299.0	3441.1	3417.9	2878.2
77.5°	745.7	770.9	911.0	1127.7	1364.6	1768.9	2393.7	2885.0	2974.0	2946.9	2389.8
80°	512.7	542.6	643.2	836.6	1039.7	1384.0	1930.4	2350.1	2412.1	2384.0	1867.6
82.5°	338.4	355.0	443.9	600.6	769.8	1049.3	1475.9	1823.1	1876.3	1808.6	1385.0
85°	220.4	224.4	292.0	413.0	555.1	762.1	1082.2	1339.5	1363.7	1313.4	985.5
87.5°	135.4	141.2	188.6	270.9	383.0	536.8	765.1	936.3	940.0	899.4	665.4
90°	87.1	90.9	120.8	176.0	260.1	365.6	515.4	621.9	619.0	587.0	424.6
92.5°	60.0	62.0	84.1	120.8	169.3	240.8	330.7	392.7	386.9	368.5	267.9
95°	43.4	45.5	62.0	88.1	118.0	158.7	206.0	237.9	231.2	219.5	168.3
97.5°	31.9	33.9	47.4	66.7	88.1	109.3	132.5	142.1	140.3	134.4	112.2
100°	24.1	26.1	36.7	52.2	68.7	81.3	92.9	93.9	90.9	88.9	81.3
102.5°	20.3	21.3	29.9	43.4	56.0	64.8	69.6	68.7	64.8	63.8	60.0
105°	17.4	18.3	26.1	36.7	46.4	54.2	56.0	53.2	48.4	47.4	45.5
107.5°	15.6	15.6	22.3	31.9	40.7	45.5	46.4	41.6	35.8	34.9	33.9



REPORT NUMBER: P255119

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	13.5	13.5	19.3	27.1	34.9	38.7	38.7	32.9	25.1	24.1	25.1
112.5°	11.6	12.6	16.4	23.2	29.9	32.9	31.9	26.1	18.3	17.4	18.3
115°	10.6	10.6	14.5	20.3	25.1	28.1	26.1	19.3	13.5	12.6	13.5
117.5°	9.8	9.8	12.6	17.4	21.3	23.2	21.3	15.6	9.8	9.8	10.6
120°	8.7	8.7	10.6	14.5	18.3	19.3	16.4	11.6	7.7	7.7	8.7
122.5°	7.7	7.7	9.8	12.6	15.6	15.6	13.5	8.7	5.8	5.8	6.8
125°	6.8	7.7	8.7	10.6	12.6	12.6	10.6	6.8	4.8	5.8	6.8
127.5°	6.8	6.8	7.7	8.7	10.6	10.6	8.7	4.8	4.8	4.8	5.8
130°	5.8	5.8	6.8	7.7	8.7	8.7	6.8	3.9	4.8	4.8	5.8
132.5°	5.8	5.8	5.8	6.8	6.8	6.8	4.8	3.9	3.9	4.8	4.8
135°	4.8	4.8	4.8	5.8	5.8	4.8	2.9	2.9	3.9	3.9	4.8
137.5°	3.9	3.9	4.8	3.9	3.9	3.9	2.9	2.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	2.9	2.9	1.9	1.9	2.9	2.9	3.9	3.9
142.5°	1.9	2.9	2.9	1.9	1.9	1.0	1.9	1.9	2.9	2.9	2.9
145°	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.9	1.9	2.9	2.9
147.5°	0.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.9	1.9	1.9
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9	1.9
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: P255119

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	251.4	250.5	247.6	245.7	244.7	243.7	242.8	241.8	241.8	241.8	241.8
5°	265.0	264.1	259.2	255.3	252.4	249.5	247.6	245.7	244.7	243.7	242.8
7.5°	289.2	286.3	280.5	273.7	266.9	261.1	257.3	255.3	252.4	251.4	250.5
10°	324.9	322.1	311.4	299.8	289.2	280.5	273.7	269.9	267.9	265.9	265.9
12.5°	374.3	372.3	354.0	339.5	319.1	305.6	297.8	295.0	294.0	292.0	293.1
15°	433.3	429.4	405.3	383.0	355.9	339.5	327.9	323.1	321.1	318.2	319.1
17.5°	501.0	488.4	460.4	426.5	393.7	373.3	357.9	349.2	346.3	344.2	345.3
20°	575.5	562.9	520.3	472.0	432.3	406.2	384.9	374.3	370.4	370.4	370.4
22.5°	661.6	645.0	586.0	521.2	469.0	432.3	408.2	397.4	393.7	393.7	394.7
25°	760.2	733.1	657.6	573.5	503.9	454.5	429.4	417.8	414.8	414.8	415.8
27.5°	867.5	830.8	731.2	620.9	529.1	470.1	442.9	433.3	431.3	431.3	432.3
30°	984.5	936.3	806.6	663.4	548.4	479.7	450.7	442.9	442.0	442.9	442.9
32.5°	1108.3	1053.3	881.0	699.3	560.9	484.6	455.5	450.7	449.7	451.7	449.7
35°	1242.9	1169.3	955.6	728.2	568.7	485.5	457.5	454.5	454.5	453.7	452.7
37.5°	1387.8	1290.2	1024.2	749.5	568.7	483.6	456.4	455.5	455.5	453.7	451.7
40°	1554.2	1421.7	1088.0	762.1	562.9	477.8	454.5	454.5	453.7	449.7	447.8
42.5°	1715.7	1558.0	1149.0	764.0	553.2	470.1	451.7	453.7	451.7	443.9	442.0
45°	1895.6	1706.1	1203.2	761.1	539.6	462.2	448.7	452.7	448.7	439.1	437.1
47.5°	2104.6	1865.6	1250.6	749.5	522.3	453.7	444.9	449.7	447.8	436.2	434.3
50°	2319.2	2025.2	1288.2	733.1	504.9	445.9	442.0	448.7	446.9	434.3	432.3
52.5°	2543.7	2190.6	1315.4	707.0	486.5	438.1	439.1	447.8	447.8	435.2	433.3
55°	2766.0	2340.6	1327.9	674.1	467.1	431.3	436.2	447.8	450.7	438.1	436.2
57.5°	2971.1	2461.4	1321.2	636.4	448.7	423.6	434.3	446.9	452.7	441.0	439.1
60°	3142.3	2567.8	1292.1	595.8	433.3	416.9	431.3	446.9	453.7	444.9	442.9
62.5°	3246.7	2605.5	1233.1	552.2	417.8	409.0	426.5	444.9	452.7	445.9	443.9
65°	3267.1	2576.5	1149.0	510.7	403.2	400.4	418.8	439.1	449.7	445.9	442.9
67°	3203.3	2490.4	1061.0	477.8	390.7	391.7	412.0	433.3	445.9	444.9	441.0
67.5°	3175.2	2458.6	1038.7	469.0	388.8	388.8	410.0	431.3	444.9	443.9	441.0
70°	2987.5	2267.0	911.0	428.4	373.3	376.2	397.4	421.6	436.2	437.1	435.2
72.5°	2688.7	1999.1	782.4	389.7	355.9	359.8	381.1	405.3	421.6	423.6	420.7
75°	2295.1	1683.8	654.8	355.0	336.5	339.5	360.8	383.9	401.4	404.3	401.4
77.5°	1897.5	1347.2	534.9	322.1	313.3	318.2	336.5	357.9	374.3	376.2	374.3
80°	1451.7	1022.2	426.5	291.0	288.2	293.1	308.5	326.9	341.4	343.3	341.4
82.5°	1065.9	749.5	337.5	260.1	259.2	264.1	276.7	294.0	305.6	306.6	303.6
85°	760.2	529.1	268.9	226.2	228.3	230.2	241.8	255.3	265.0	265.9	260.1
87.5°	509.7	360.8	209.9	194.4	196.3	196.3	203.1	214.7	221.5	220.4	215.7
90°	332.7	245.7	169.3	165.4	166.4	166.4	169.3	177.0	182.8	179.8	177.0
92.5°	214.7	172.2	139.3	141.2	141.2	139.3	140.3	146.1	148.9	146.1	144.1
95°	146.1	126.7	116.1	119.0	119.9	116.1	116.1	119.0	120.8	117.0	114.1
97.5°	105.4	97.7	95.7	100.6	99.7	96.7	94.7	95.7	96.7	91.9	89.9
100°	79.3	77.3	78.3	84.1	83.1	80.3	78.3	77.3	76.4	71.6	70.6
102.5°	62.0	60.9	64.8	69.6	68.7	65.8	63.8	62.9	60.9	55.1	55.1
105°	47.4	48.4	53.2	58.0	57.1	55.1	53.2	51.3	47.4	42.5	42.5
107.5°	35.8	37.7	43.4	48.4	47.4	45.5	43.4	41.6	36.7	32.9	32.9



REPORT NUMBER: P255119

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.1	29.1	34.9	39.7	38.7	37.7	35.8	32.9	28.1	25.1	24.1
112.5°	20.3	22.3	28.1	31.9	31.9	30.9	29.1	26.1	21.3	19.3	18.3
115°	15.6	17.4	22.3	25.1	25.1	24.1	23.2	20.3	15.6	14.5	14.5
117.5°	12.6	13.5	17.4	20.3	20.3	19.3	18.3	15.6	11.6	11.6	11.6
120°	9.8	10.6	13.5	15.6	15.6	14.5	13.5	11.6	8.7	8.7	8.7
122.5°	8.7	8.7	10.6	12.6	11.6	11.6	10.6	8.7	6.8	6.8	6.8
125°	6.8	7.7	8.7	9.8	8.7	8.7	7.7	6.8	5.8	5.8	5.8
127.5°	6.8	6.8	6.8	6.8	6.8	6.8	5.8	4.8	3.9	4.8	4.8
130°	5.8	5.8	5.8	5.8	4.8	4.8	3.9	2.9	2.9	3.9	3.9
132.5°	5.8	5.8	5.8	4.8	3.9	2.9	2.9	1.9	2.9	2.9	2.9
135°	4.8	4.8	4.8	3.9	2.9	1.9	1.0	1.0	1.9	1.9	1.9
137.5°	4.8	4.8	3.9	3.9	2.9	1.0	0.0	1.0	1.0	1.0	1.0
140°	3.9	3.9	3.9	2.9	1.9	1.0	0.0	0.0	1.0	1.0	0.0
142.5°	3.9	3.9	2.9	1.9	1.0	0.0	0.0	0.0	1.0	0.0	0.0
145°	2.9	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	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)