

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: P255117

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255117
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-AF24-80-D-U-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7421.9 lumens
Efficiency: N/A
Efficacy: 89.4 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

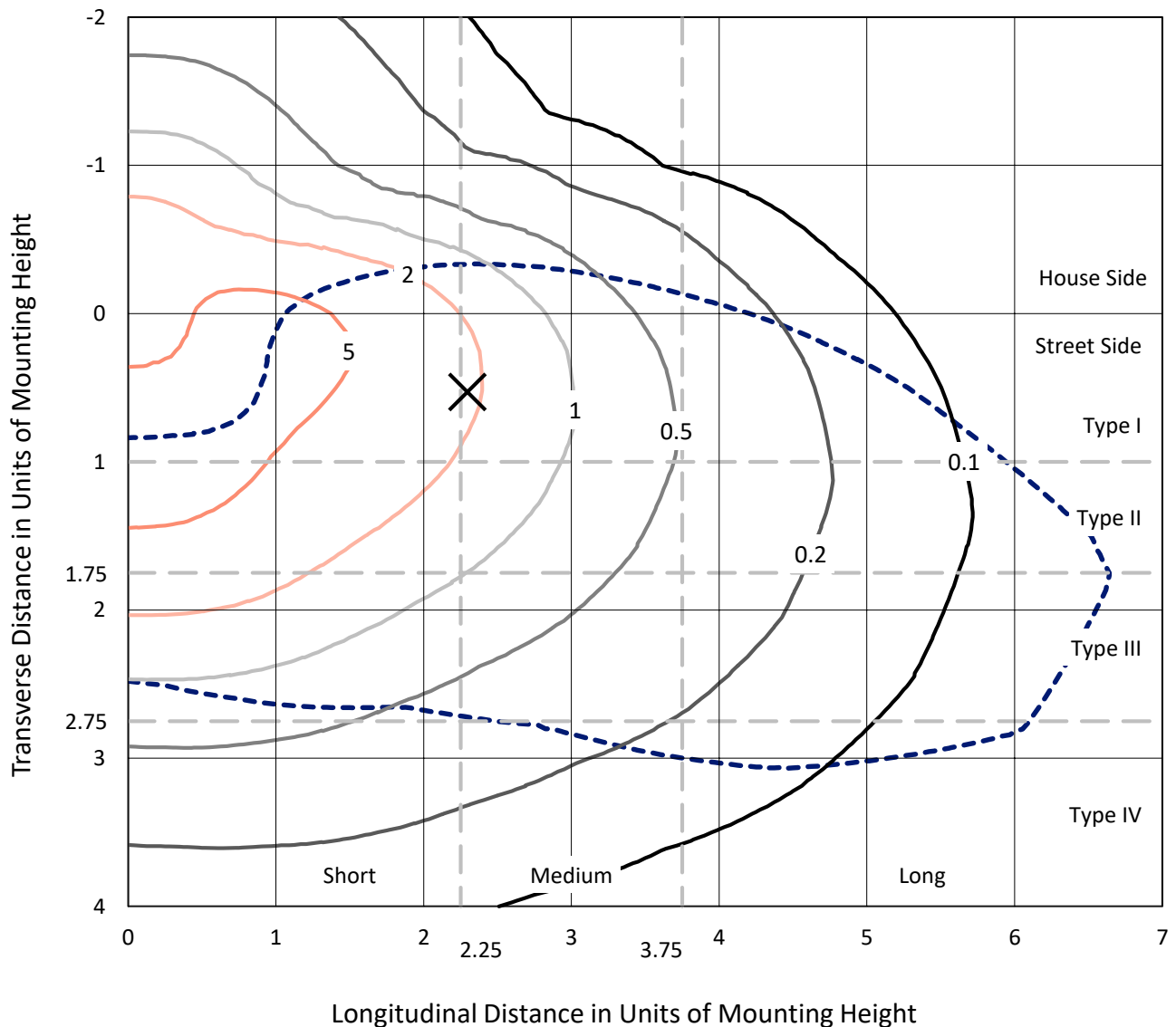
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255117
 CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

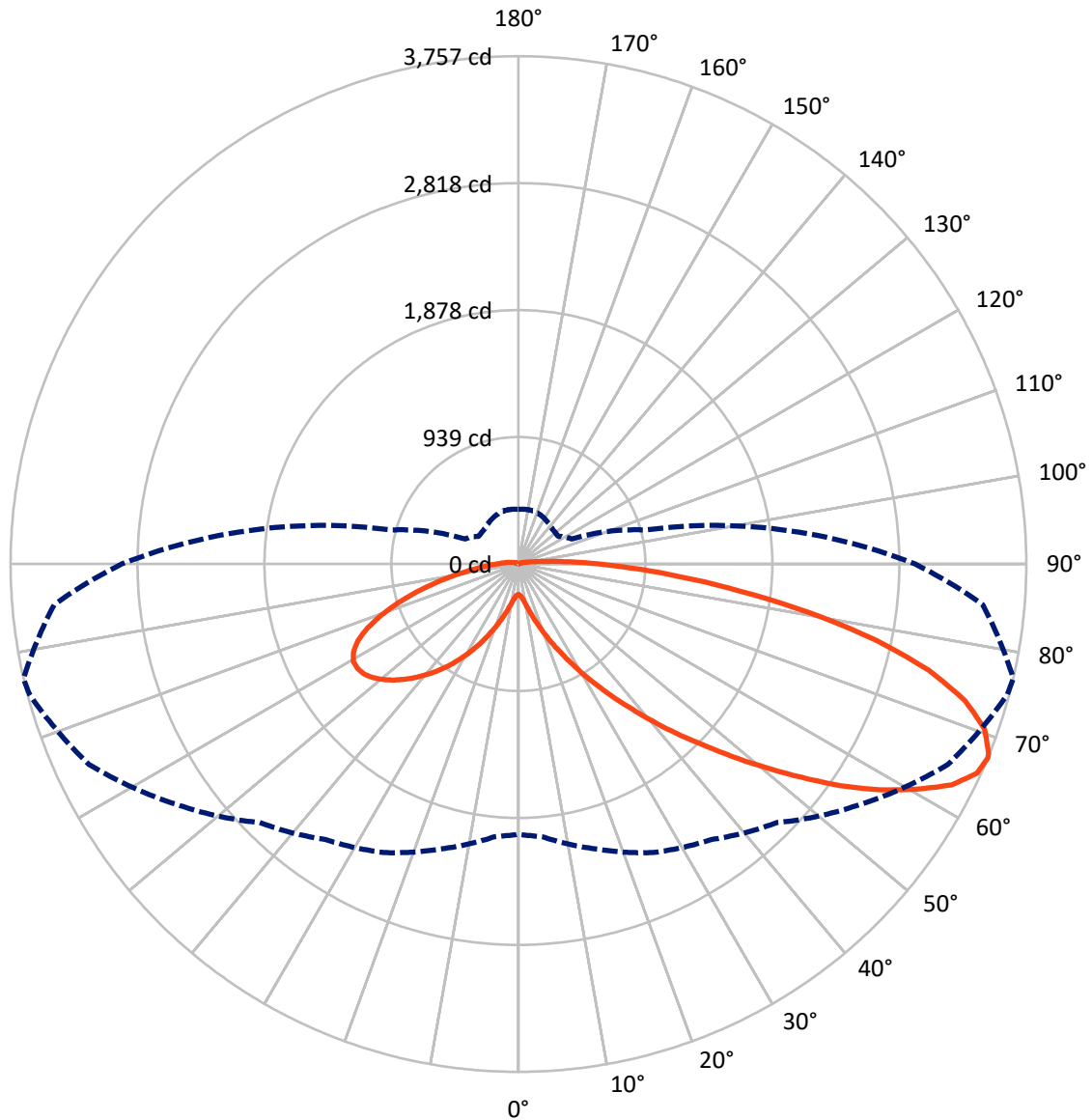


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

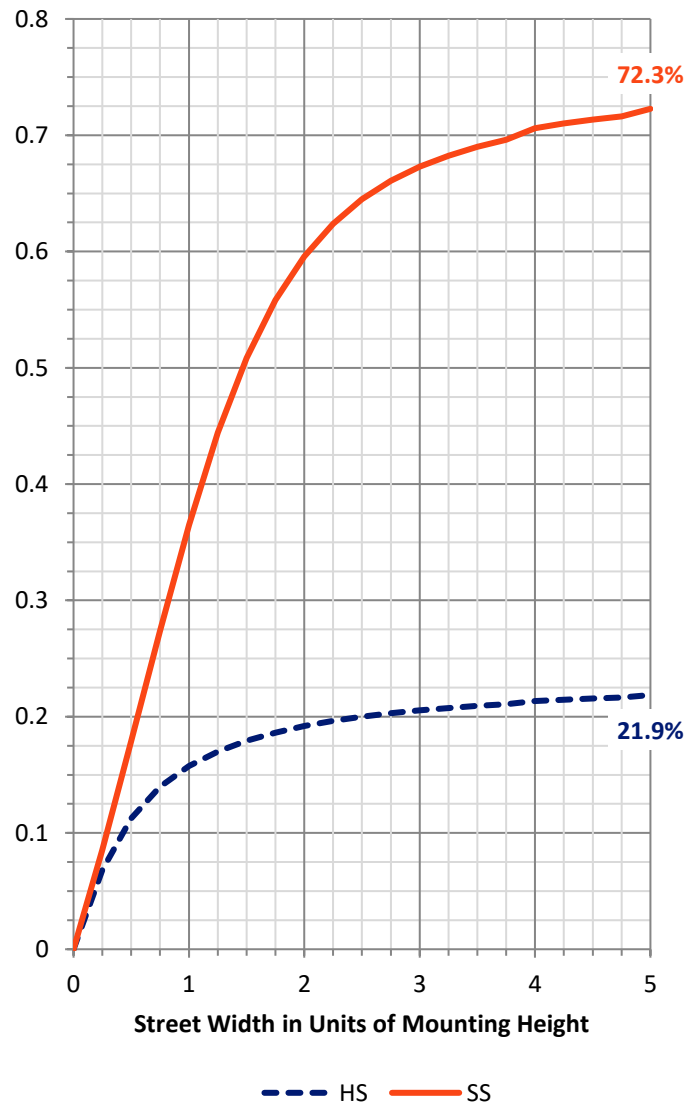
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1694.8	102.3	1797.1
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	5502.8	122.0	5624.8
	% Fixture	74.1	1.6	75.8
Total	Lumens	7197.6	224.3	7421.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.3
10°-20°	109.8	1.5
20°-30°	288.7	3.9
30°-40°	590.1	8.0
40°-50°	1022.9	13.8
50°-60°	1517.1	20.4
60°-70°	1760.5	23.7
70°-80°	1329.9	17.9
80°-90°	554.2	7.5
90°-100°	146.9	2.0
100°-110°	47.7	0.6
110°-120°	18.9	0.3
120°-130°	7.1	0.1
130°-140°	2.7	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7197.6	97.0
0°-180°	7421.9	100.0



REPORT NUMBER: P255117

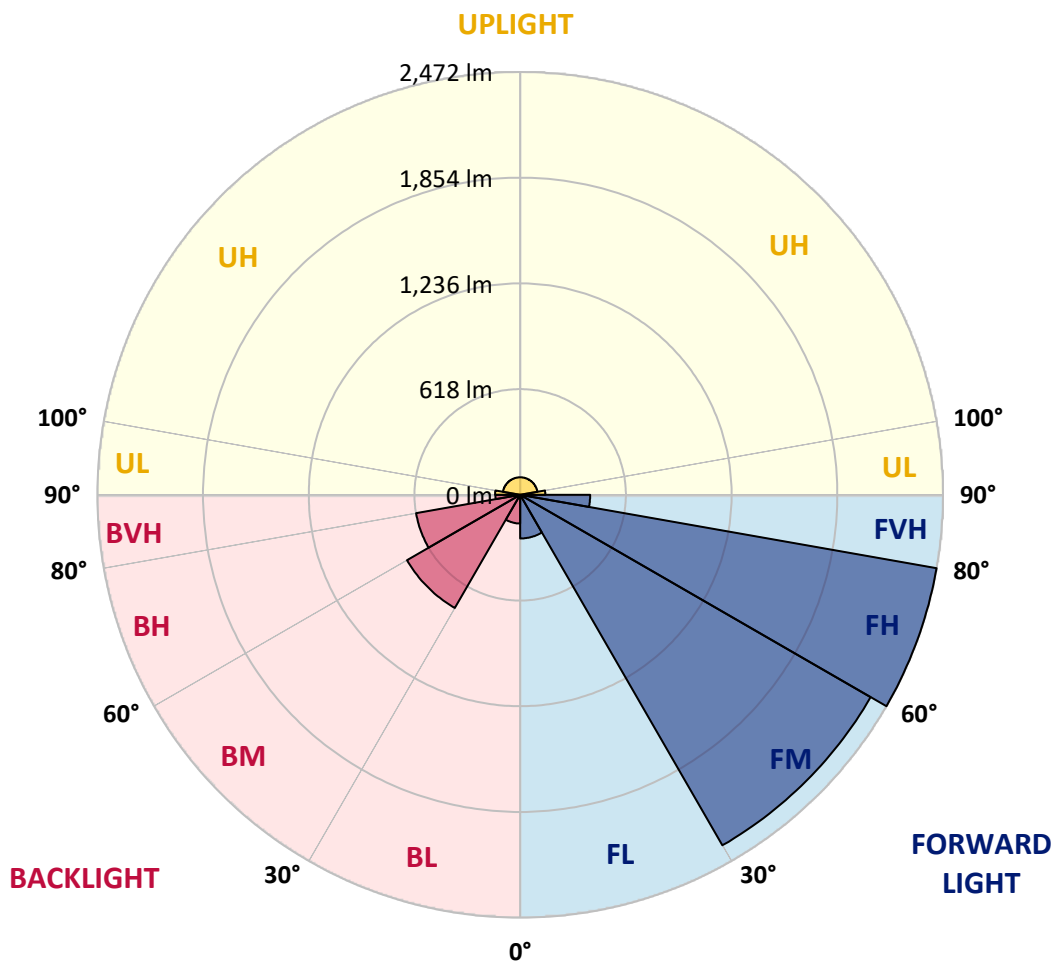
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.1	3.4			
FM	(30°-60°)	2366.0	31.9			
FH	(60°-80°)	2472.5	33.3			G2/5000
FVH	(80°-90°)	409.3	5.5			G3/500
BL	(0°-30°)	167.8	2.3	B1/500		
BM	(30°-60°)	764.1	10.3	B1/1000		
BH	(60°-80°)	617.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	144.9	2.0			G2/225
UL	(90°-100°)	146.9	2.0		U3/500	
UH	(100°-180°)	102.3	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8
2.5°	238.3	238.3	240.2	239.3	239.3	237.4	236.5	234.0	232.1	232.1	231.3
5°	256.1	256.1	257.0	257.9	256.1	255.1	252.5	249.0	246.3	246.3	244.5
7.5°	282.7	282.7	281.8	282.7	281.8	280.0	276.4	274.7	269.4	270.2	267.5
10°	320.7	320.7	318.9	320.7	316.3	314.5	311.8	309.2	302.9	304.9	300.4
12.5°	374.8	374.8	373.0	370.4	364.2	360.7	358.8	357.1	351.7	352.7	347.3
15°	439.4	438.5	436.8	433.2	423.5	419.1	414.6	412.0	407.5	409.4	404.0
17.5°	515.7	513.8	507.7	502.4	492.6	485.5	479.3	476.7	471.4	472.2	465.1
20°	603.3	601.6	593.6	585.6	571.5	561.7	555.6	549.3	544.0	549.3	536.0
22.5°	707.0	708.8	691.9	679.6	658.3	645.9	638.0	632.6	627.2	631.7	616.7
25°	825.8	824.9	806.4	790.4	760.2	738.9	727.4	723.9	721.2	724.7	714.1
27.5°	962.2	958.6	938.3	904.6	871.1	838.1	823.2	825.8	824.9	827.5	816.9
30°	1113.7	1111.9	1083.7	1035.8	991.4	947.2	933.0	932.1	940.0	945.4	924.2
32.5°	1281.2	1282.9	1244.9	1182.8	1117.2	1068.5	1055.2	1057.0	1067.7	1066.8	1050.8
35°	1466.4	1466.4	1426.5	1348.5	1261.7	1198.8	1183.8	1200.5	1206.8	1208.5	1184.6
37.5°	1663.9	1661.3	1624.0	1523.1	1423.8	1341.4	1314.8	1336.1	1360.1	1357.4	1332.5
40°	1875.8	1868.7	1819.9	1707.4	1586.9	1487.7	1457.5	1490.3	1524.8	1526.6	1496.6
42.5°	2077.7	2071.5	2021.0	1900.6	1756.2	1654.1	1620.6	1656.9	1706.5	1710.9	1656.9
45°	2267.3	2266.5	2220.3	2096.3	1938.6	1820.8	1787.2	1835.0	1904.1	1904.1	1847.3
47.5°	2446.4	2435.7	2405.6	2281.6	2132.6	1993.6	1960.7	2027.2	2122.9	2125.5	2059.1
50°	2583.7	2576.6	2561.5	2448.9	2297.5	2171.6	2141.5	2240.8	2352.4	2362.1	2280.7
52.5°	2678.5	2671.4	2682.9	2595.1	2458.8	2347.1	2336.4	2459.7	2605.0	2620.9	2523.4
55°	2715.6	2718.4	2755.5	2697.9	2589.9	2501.3	2539.3	2691.7	2863.5	2894.6	2767.1
57.5°	2697.1	2705.0	2770.6	2758.1	2682.9	2625.3	2725.4	2916.7	3123.2	3152.4	3006.3
60°	2599.6	2616.4	2713.0	2745.8	2717.4	2736.1	2890.2	3144.5	3369.5	3382.8	3235.7
62.5°	2441.0	2459.7	2586.2	2671.4	2690.0	2776.0	3010.7	3335.9	3574.2	3597.3	3382.8
65°	2216.0	2242.5	2383.4	2531.3	2605.9	2763.5	3089.6	3459.9	3704.4	3728.4	3457.3
67°	1998.1	2024.6	2180.5	2355.1	2488.0	2705.0	3095.8	3506.0	3742.5	3756.8	3447.5
67.5°	1938.6	1966.1	2122.1	2304.5	2450.8	2682.0	3090.4	3510.4	3742.5	3751.4	3434.2
70°	1614.3	1650.7	1809.3	2019.2	2212.4	2522.5	3012.5	3454.6	3676.1	3659.3	3272.1
72.5°	1276.8	1310.4	1465.5	1687.8	1909.5	2281.6	2837.0	3289.8	3474.1	3453.6	3005.4
75°	954.3	982.6	1131.5	1347.6	1582.4	1965.2	2562.3	3022.2	3152.4	3131.3	2636.8
77.5°	683.1	706.2	834.6	1033.1	1250.2	1620.6	2193.0	2643.0	2724.5	2699.7	2189.3
80°	469.6	497.0	589.2	766.5	952.5	1268.0	1768.5	2153.1	2209.8	2184.1	1710.9
82.5°	310.1	325.1	406.7	550.2	705.3	961.4	1352.1	1670.1	1718.8	1656.9	1268.8
85°	202.0	205.5	267.5	378.4	508.6	698.1	991.4	1227.1	1249.3	1203.3	902.8
87.5°	124.0	129.4	172.7	248.1	350.8	491.7	700.9	857.6	861.2	824.1	609.5
90°	79.8	83.2	110.8	161.2	238.3	334.9	472.2	569.7	567.0	537.8	389.0
92.5°	54.9	56.7	77.1	110.8	155.0	220.6	302.9	359.7	354.4	337.6	245.4
95°	39.9	41.6	56.7	80.7	108.0	145.4	188.7	218.0	211.8	201.1	154.2
97.5°	29.3	31.0	43.3	61.1	80.7	100.1	121.4	130.2	128.5	123.1	102.8
100°	22.2	23.9	33.7	47.8	63.0	74.4	85.0	86.0	83.2	81.5	74.4
102.5°	18.6	19.4	27.5	39.9	51.4	59.3	63.8	63.0	59.3	58.5	54.9
105°	16.0	16.8	23.9	33.7	42.5	49.6	51.4	48.7	44.2	43.3	41.6
107.5°	14.2	14.2	20.4	29.3	37.2	41.6	42.5	38.1	32.8	31.9	31.0



REPORT NUMBER: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	12.4	12.4	17.7	24.8	31.9	35.4	35.4	30.1	23.1	22.2	23.1
112.5°	10.6	11.5	15.1	21.3	27.5	30.1	29.3	23.9	16.8	16.0	16.8
115°	9.8	9.8	13.3	18.6	23.1	25.6	23.9	17.7	12.4	11.5	12.4
117.5°	8.8	8.8	11.5	16.0	19.4	21.3	19.4	14.2	8.8	8.8	9.8
120°	7.9	7.9	9.8	13.3	16.8	17.7	15.1	10.6	7.1	7.1	7.9
122.5°	7.1	7.1	8.8	11.5	14.2	14.2	12.4	7.9	5.4	5.4	6.2
125°	6.2	7.1	7.9	9.8	11.5	11.5	9.8	6.2	4.5	5.4	6.2
127.5°	6.2	6.2	7.1	7.9	9.8	9.8	7.9	4.5	4.5	4.5	5.4
130°	5.4	5.4	6.2	7.1	7.9	7.9	6.2	3.5	4.5	4.5	5.4
132.5°	5.4	5.4	5.4	6.2	6.2	6.2	4.5	3.5	3.5	4.5	4.5
135°	4.5	4.5	4.5	5.4	5.4	4.5	2.6	2.6	3.5	3.5	4.5
137.5°	3.5	3.5	4.5	3.5	3.5	3.5	2.6	2.6	3.5	3.5	3.5
140°	3.5	3.5	3.5	2.6	2.6	1.7	1.7	2.6	2.6	3.5	3.5
142.5°	1.7	2.6	2.6	1.7	1.7	0.9	1.7	1.7	2.6	2.6	2.6
145°	0.9	0.9	1.7	0.9	0.9	0.9	0.9	1.7	1.7	2.6	2.6
147.5°	0.0	0.9	0.9	0.9	0.0	0.0	0.9	0.9	1.7	1.7	1.7
150°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	1.7	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8
2.5°	230.3	229.5	226.8	225.1	224.2	223.3	222.4	221.5	221.5	221.5	221.5
5°	242.8	241.9	237.4	234.0	231.3	228.6	226.8	225.1	224.2	223.3	222.4
7.5°	265.0	262.2	257.0	250.7	244.5	239.3	235.7	234.0	231.3	230.3	229.5
10°	297.7	295.0	285.2	274.7	265.0	257.0	250.7	247.3	245.4	243.6	243.6
12.5°	342.8	341.1	324.3	311.0	292.4	280.0	272.9	270.2	269.4	267.5	268.4
15°	396.9	393.5	371.3	350.8	326.0	311.0	300.4	296.0	294.1	291.5	292.4
17.5°	459.0	447.4	421.7	390.7	360.7	342.0	327.8	319.8	317.2	315.4	316.3
20°	527.1	515.7	476.7	432.3	396.1	372.1	352.7	342.8	339.4	339.4	339.4
22.5°	606.1	591.0	536.9	477.6	429.7	396.1	373.8	364.2	360.7	360.7	361.5
25°	696.4	671.6	602.4	525.4	461.6	416.4	393.5	382.7	380.1	380.1	381.0
27.5°	794.8	761.1	669.9	568.8	484.7	430.6	405.8	396.9	395.2	395.2	396.1
30°	901.9	857.6	738.9	607.8	502.4	439.4	412.9	405.8	405.0	405.8	405.8
32.5°	1015.3	964.9	807.2	640.6	513.8	443.9	417.4	412.9	412.0	413.8	412.0
35°	1138.6	1071.2	875.3	667.1	520.9	444.8	419.1	416.4	416.4	415.5	414.6
37.5°	1271.4	1181.9	938.3	686.7	520.9	443.0	418.3	417.4	417.4	415.5	413.8
40°	1423.8	1302.5	996.8	698.1	515.7	437.7	416.4	416.4	415.5	412.0	410.3
42.5°	1571.8	1427.4	1052.6	700.0	506.9	430.6	413.8	415.5	413.8	406.7	405.0
45°	1736.5	1563.0	1102.2	697.3	494.4	423.5	411.2	414.6	411.2	402.3	400.4
47.5°	1928.0	1709.2	1145.6	686.7	478.4	415.5	407.5	412.0	410.3	399.6	397.8
50°	2124.6	1855.3	1180.2	671.6	462.5	408.4	405.0	411.2	409.4	397.8	396.1
52.5°	2330.3	2006.9	1205.0	647.7	445.7	401.4	402.3	410.3	410.3	398.7	396.9
55°	2534.0	2144.2	1216.5	617.6	428.0	395.2	399.6	410.3	412.9	401.4	399.6
57.5°	2721.8	2254.9	1210.3	583.0	411.2	388.1	397.8	409.4	414.6	404.0	402.3
60°	2878.7	2352.4	1183.8	545.8	396.9	381.9	395.2	409.4	415.5	407.5	405.8
62.5°	2974.4	2387.0	1129.6	505.9	382.7	374.8	390.7	407.5	414.6	408.4	406.7
65°	2992.9	2360.3	1052.6	467.8	369.6	366.8	383.6	402.3	412.0	408.4	405.8
67°	2934.4	2281.6	972.0	437.7	358.0	358.8	377.5	396.9	408.4	407.5	404.0
67.5°	2908.8	2252.3	951.5	429.7	356.1	356.1	375.7	395.2	407.5	406.7	404.0
70°	2737.0	2076.8	834.6	392.5	342.0	344.7	364.2	386.3	399.6	400.4	398.7
72.5°	2463.1	1831.4	716.7	357.1	326.0	329.6	349.1	371.3	386.3	388.1	385.4
75°	2102.5	1542.5	599.9	325.1	308.3	311.0	330.5	351.7	367.6	370.4	367.6
77.5°	1738.5	1234.2	489.9	295.0	287.1	291.5	308.3	327.8	342.8	344.7	342.8
80°	1329.9	936.6	390.7	266.7	264.1	268.4	282.7	299.5	312.8	314.5	312.8
82.5°	976.4	686.7	309.2	238.3	237.4	241.9	253.4	269.4	280.0	280.9	278.2
85°	696.4	484.7	246.3	207.4	209.1	210.9	221.5	234.0	242.8	243.6	238.3
87.5°	467.0	330.5	192.3	178.1	179.8	179.8	186.1	196.6	202.9	202.0	197.5
90°	304.9	225.1	155.0	151.6	152.4	152.4	155.0	162.1	167.5	164.8	162.1
92.5°	196.6	157.7	127.7	129.4	129.4	127.7	128.5	133.9	136.5	133.9	131.9
95°	133.9	116.1	106.3	108.9	110.0	106.3	106.3	108.9	110.8	107.2	104.6
97.5°	96.5	89.5	87.7	92.1	91.2	88.6	86.9	87.7	88.6	84.1	82.4
100°	72.6	70.9	71.8	77.1	76.2	73.5	71.8	70.9	70.0	65.5	64.7
102.5°	56.7	55.8	59.3	63.8	63.0	60.2	58.5	57.6	55.8	50.5	50.5
105°	43.3	44.2	48.7	53.2	52.2	50.5	48.7	47.0	43.3	39.0	39.0
107.5°	32.8	34.5	39.9	44.2	43.3	41.6	39.9	38.1	33.7	30.1	30.1



REPORT NUMBER: P255117

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.8	26.6	31.9	36.3	35.4	34.5	32.8	30.1	25.6	23.1	22.2
112.5°	18.6	20.4	25.6	29.3	29.3	28.3	26.6	23.9	19.4	17.7	16.8
115°	14.2	16.0	20.4	23.1	23.1	22.2	21.3	18.6	14.2	13.3	13.3
117.5°	11.5	12.4	16.0	18.6	18.6	17.7	16.8	14.2	10.6	10.6	10.6
120°	8.8	9.8	12.4	14.2	14.2	13.3	12.4	10.6	7.9	7.9	7.9
122.5°	7.9	7.9	9.8	11.5	10.6	10.6	9.8	7.9	6.2	6.2	6.2
125°	6.2	7.1	7.9	8.8	7.9	7.9	7.1	6.2	5.4	5.4	5.4
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	5.4	4.5	3.5	4.5	4.5
130°	5.4	5.4	5.4	5.4	4.5	4.5	3.5	2.6	2.6	3.5	3.5
132.5°	5.4	5.4	5.4	4.5	3.5	2.6	2.6	1.7	2.6	2.6	2.6
135°	4.5	4.5	4.5	3.5	2.6	1.7	0.9	0.9	1.7	1.7	1.7
137.5°	4.5	4.5	3.5	3.5	2.6	0.9	0.0	0.9	0.9	0.9	0.9
140°	3.5	3.5	3.5	2.6	1.7	0.9	0.0	0.0	0.9	0.9	0.0
142.5°	3.5	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.9	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	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)