

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: P254738

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-T2U-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6894.3 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 74
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

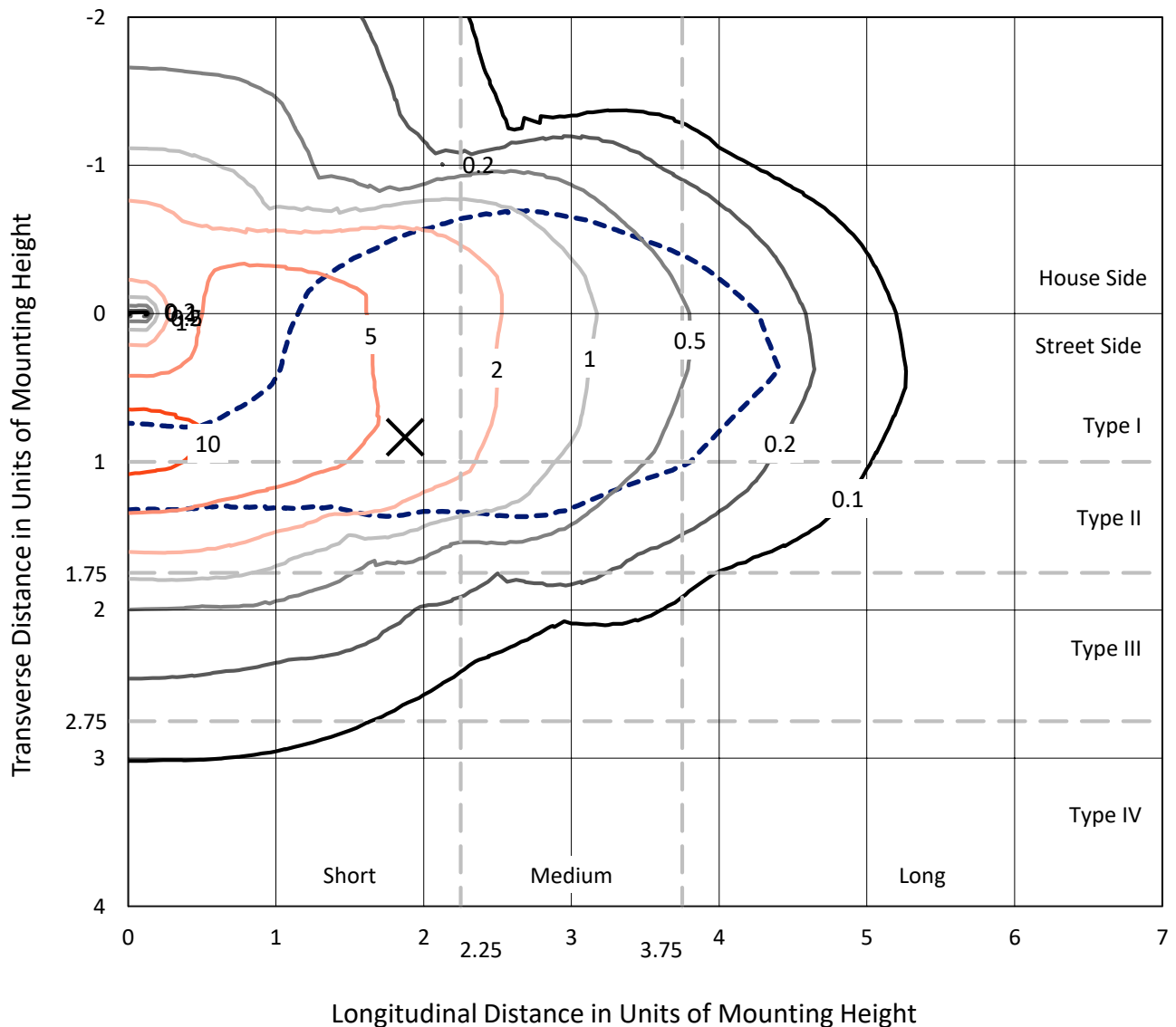


REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

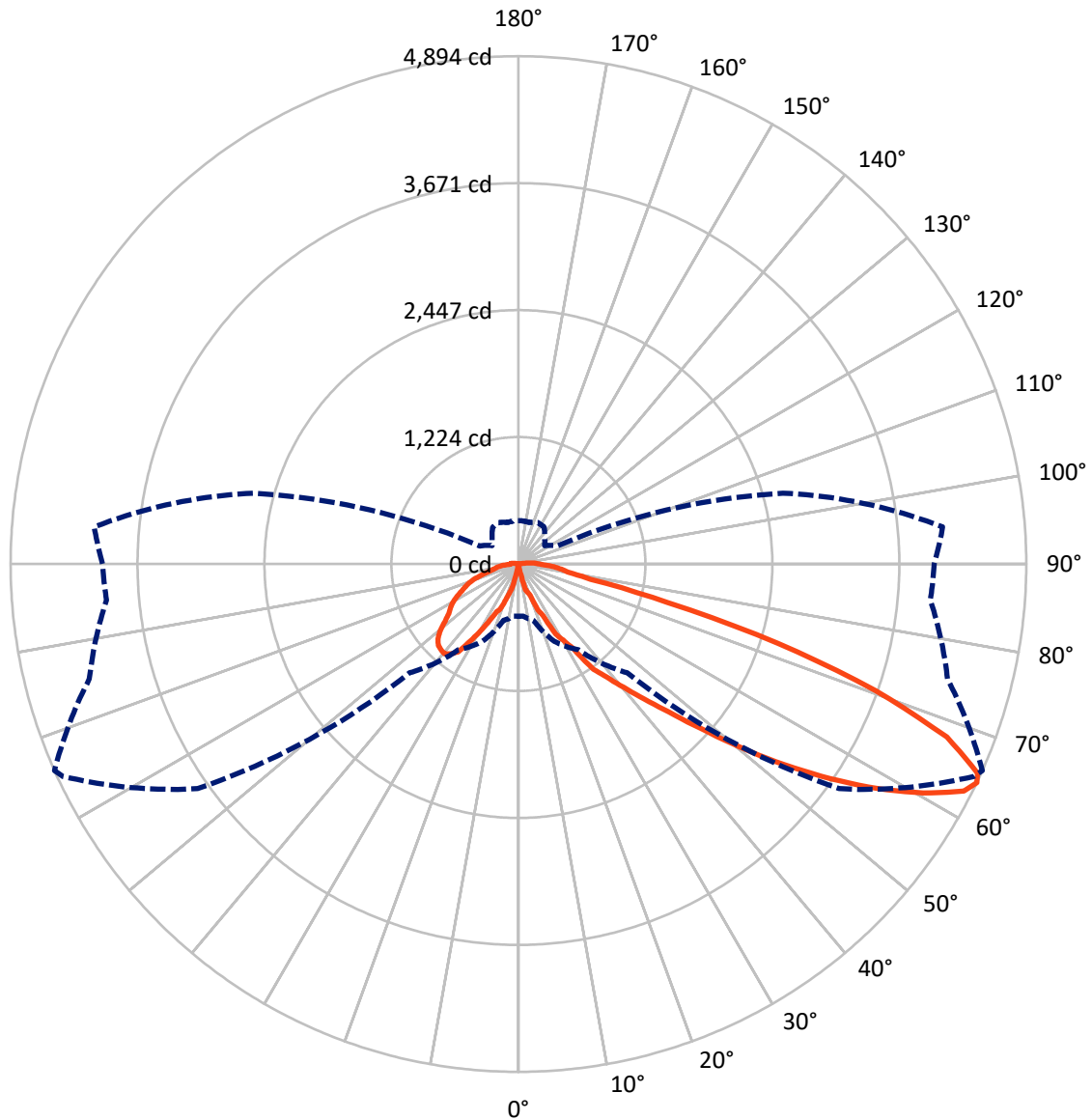


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

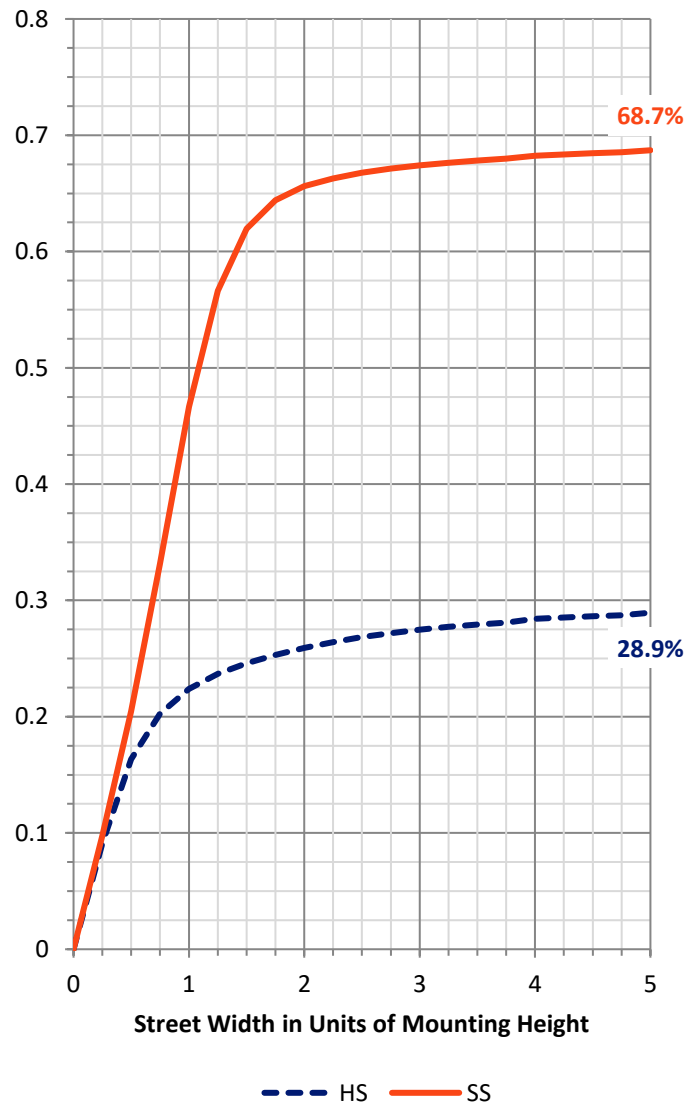
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2040.2	42.2	2082.4
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	4773.5	38.3	4811.8
	% Fixture	69.2	0.6	69.8
Total	Lumens	6813.7	80.5	6894.3
	% Fixture	98.8	1.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	66.8	1.0
20°-30°	269.4	3.9
30°-40°	682.1	9.9
40°-50°	1300.4	18.9
50°-60°	1744.4	25.3
60°-70°	1615.2	23.4
70°-80°	908.4	13.2
80°-90°	222.3	3.2
90°-100°	67.8	1.0
100°-110°	8.1	0.1
110°-120°	2.2	0.0
120°-130°	1.3	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6813.7	98.8
0°-180°	6894.3	100.0

Coefficient of Utilization



REPORT NUMBER: P254738

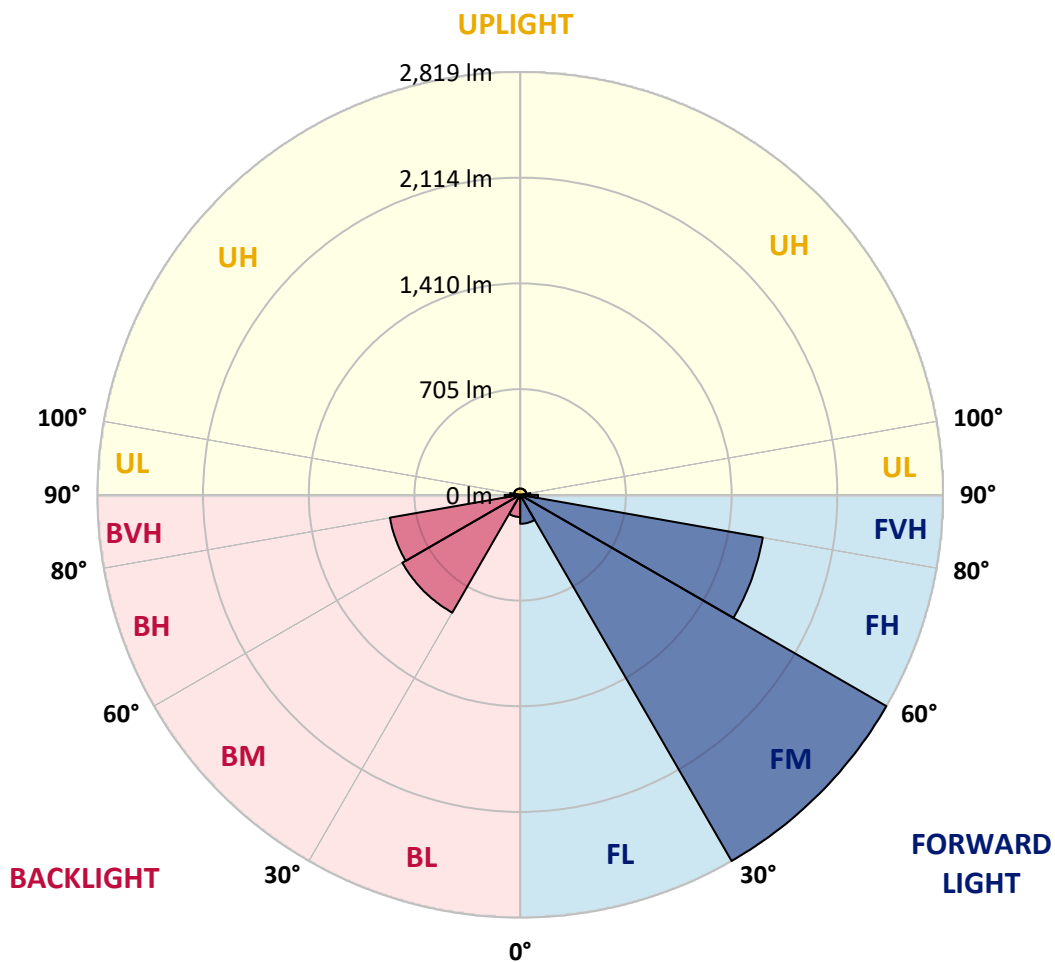
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.1	2.8			
FM (30°-60°)	2819.2	40.9			
FH (60°-80°)	1642.2	23.8			G1/1800
FVH (80°-90°)	119.0	1.7			G2/225
BL (0°-30°)	147.7	2.1	B1/500		
BM (30°-60°)	907.7	13.2	B1/1000		
BH (60°-80°)	881.4	12.8	B2/1000		G2/1000
BVH (80°-90°)	103.4	1.5			G2/225
UL (90°-100°)	67.8	1.0		U3/500	
UH (100°-180°)	42.2	0.6		U2/50	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	8.0	8.0	8.0	9.0	8.0	7.3	6.4	4.9	4.1	2.4	2.4
5°	106.2	106.2	105.3	102.1	31.5	16.2	10.5	6.4	6.4	4.1	2.4
7.5°	119.2	118.3	118.3	115.0	114.2	105.3	53.5	10.5	9.8	5.7	3.3
10°	132.1	128.9	127.3	124.8	125.6	118.3	110.3	51.9	29.9	11.4	9.0
12.5°	244.7	243.2	235.9	198.7	137.7	126.4	124.0	103.8	100.5	86.8	101.3
15°	270.8	265.8	261.0	260.1	246.4	154.0	195.3	255.3	257.8	198.7	214.8
17.5°	316.1	308.0	291.8	279.6	272.4	316.1	290.9	282.1	284.5	243.2	242.3
20°	479.0	478.2	470.2	414.9	311.3	390.7	376.1	322.7	321.0	439.3	428.8
22.5°	565.0	551.2	540.7	522.8	535.0	428.0	457.1	470.2	480.6	504.1	482.3
25°	849.5	779.8	744.9	605.6	637.1	541.5	602.2	551.2	546.3	563.3	607.2
27.5°	979.9	984.0	956.4	907.0	736.0	759.5	672.0	772.5	766.0	779.8	748.1
30°	1305.0	1283.1	1133.1	1084.5	951.5	865.7	926.4	868.9	850.2	834.0	826.8
32.5°	1609.0	1608.2	1567.7	1366.7	1198.0	1013.2	1053.7	965.5	971.1	1076.4	1102.3
35°	2081.5	2050.7	1807.5	1685.1	1431.4	1293.6	1183.4	1255.5	1245.8	1231.3	1241.7
37.5°	2627.8	2588.9	2382.2	1999.7	1735.4	1484.1	1470.3	1418.5	1382.7	1399.1	1409.6
40°	2948.1	2915.6	2734.8	2409.8	2025.5	1816.4	1681.9	1604.9	1561.1	1625.1	1622.7
42.5°	3175.7	3147.4	3043.6	2708.1	2435.7	2212.8	1933.2	1822.9	1777.5	1875.7	1837.5
45°	3291.7	3242.2	3230.0	2977.2	2794.0	2694.3	2280.9	2090.4	2033.7	2138.2	2092.9
47.5°	3232.4	3178.2	3225.3	3064.7	3116.6	3112.6	2712.9	2401.6	2364.4	2451.9	2383.8
50°	2957.7	2926.1	3027.5	3049.3	3281.9	3451.3	3193.5	2731.6	2778.6	2736.4	2690.2
52.5°	2505.5	2492.4	2654.6	2836.9	3256.8	3673.4	3636.1	3109.3	3214.6	3026.6	2965.0
55°	2024.8	2027.2	2203.9	2419.5	2995.1	3705.1	4021.2	3560.0	3650.0	3319.2	3233.3
57.5°	1478.5	1543.3	1745.1	1928.3	2497.3	3497.5	4259.5	4010.6	4085.2	3621.5	3478.0
60°	958.9	982.4	1225.6	1516.5	1841.6	2868.6	4351.9	4423.2	4480.7	3935.2	3711.5
62.5°	633.0	635.5	736.0	1071.5	1273.4	2002.0	4126.5	4763.6	4818.8	4176.8	3910.1
64°	504.1	503.3	562.5	822.7	1010.7	1481.7	3774.0	4842.3	4894.2	4281.4	3984.6
65°	445.0	444.1	487.2	661.4	864.0	1184.3	3422.1	4813.9	4864.1	4328.3	4004.9
67.5°	377.7	379.3	396.4	454.7	625.7	712.5	2093.6	4411.1	4452.4	4291.9	3934.4
70°	348.5	350.1	370.4	381.8	493.7	529.3	910.2	3603.0	3650.7	4125.7	3772.2
72.5°	307.2	309.6	336.4	365.6	391.4	439.3	579.5	2479.5	2616.4	3577.8	3554.3
75°	257.0	259.4	284.5	322.7	341.2	358.3	501.7	1315.5	1485.7	2692.7	3167.7
77.5°	209.9	211.5	232.6	258.6	310.4	278.1	439.3	672.7	713.3	1703.8	2342.5
80°	154.8	156.5	179.1	207.5	240.7	242.3	362.3	484.7	487.2	932.1	1264.4
82.5°	106.2	107.0	129.7	145.9	170.2	224.5	290.2	399.6	419.9	553.6	581.1
85°	72.9	73.8	87.5	93.2	107.0	124.0	209.9	313.7	344.5	397.1	348.5
87.5°	34.9	36.5	38.1	40.5	42.2	43.8	89.9	231.0	243.2	265.1	275.6
90°	29.2	29.2	22.7	21.9	25.1	25.9	41.3	197.0	193.0	253.7	273.9
92.5°	29.2	29.2	21.1	20.2	22.7	21.9	29.9	162.1	157.3	249.6	270.8
95°	25.1	25.9	17.1	16.2	19.4	17.8	23.5	94.8	100.5	175.9	200.2
97.5°	21.1	21.1	13.0	13.0	13.7	13.0	15.4	34.9	38.9	74.7	88.4
100°	15.4	16.2	8.0	9.0	9.0	8.0	8.0	14.6	16.2	20.2	19.4
102.5°	13.0	14.6	5.7	6.4	4.9	4.9	4.1	6.4	6.4	10.5	15.4
105°	9.8	11.4	4.1	4.1	3.3	3.3	1.6	4.9	4.9	9.0	16.2
107.5°	5.7	6.4	2.4	2.4	2.4	3.3	1.6	3.3	4.1	7.3	13.7



REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	2.4	2.4	0.8	1.6	0.8	2.4	1.6	3.3	4.1	3.3	7.3
112.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	1.6	4.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	1.6	4.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.1
120°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.1
122.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.3
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.3
127.5°	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4
130°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
135°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
137.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8
147.5°	4.1	4.1	3.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8
150°	3.3	3.3	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8
152.5°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	2.4	3.3	3.3	4.1	4.1	4.9	4.9	4.9	4.9	4.1	4.1
5°	2.4	3.3	3.3	4.1	4.9	6.4	7.3	9.0	9.0	9.8	9.8
7.5°	3.3	3.3	4.1	4.9	7.3	12.1	36.5	116.0	119.9	130.4	131.3
10°	8.0	9.0	9.0	9.8	23.5	119.2	133.8	139.5	146.7	147.5	146.7
12.5°	107.0	102.9	98.9	30.8	117.6	143.4	147.5	155.5	159.6	171.9	171.9
15°	216.5	216.5	209.1	230.2	208.3	159.6	171.9	269.9	279.6	287.0	282.9
17.5°	245.7	245.7	240.7	291.8	313.7	252.9	276.4	297.5	304.0	305.6	304.8
20°	441.7	436.9	393.9	358.3	327.4	401.2	338.8	306.4	364.7	422.3	425.6
22.5°	480.6	474.1	463.6	470.2	430.4	413.3	388.3	407.7	420.6	423.2	423.9
25°	606.3	602.2	523.6	501.0	540.7	461.2	466.9	399.6	406.9	415.8	414.9
27.5°	751.3	738.4	698.7	599.9	565.8	543.9	441.0	422.3	466.9	469.3	467.7
30°	834.0	797.6	724.6	740.9	611.2	520.4	437.7	442.6	423.2	423.9	425.6
32.5°	1112.0	1068.3	974.3	861.6	652.5	489.6	423.9	397.1	428.8	434.5	436.9
35°	1215.8	1176.9	1095.9	1019.7	664.7	466.9	377.0	389.1	389.8	391.4	393.2
37.5°	1360.1	1305.7	1238.6	1068.3	660.6	411.0	367.2	368.8	394.8	399.6	402.1
40°	1537.6	1468.8	1393.4	1090.2	595.8	389.8	359.0	371.3	380.1	377.7	379.3
42.5°	1747.6	1654.3	1549.0	1064.3	505.0	380.1	359.0	367.2	368.8	361.5	361.5
45°	1989.1	1885.4	1681.1	1035.1	435.3	383.4	367.2	362.3	354.2	343.6	341.2
47.5°	2253.4	2132.5	1802.7	978.3	386.7	381.0	372.0	354.2	345.3	336.4	336.4
50°	2536.2	2408.9	1906.5	890.8	364.0	377.0	369.7	359.0	349.3	333.1	332.3
52.5°	2807.0	2703.2	2035.3	771.7	342.1	380.1	388.3	364.7	350.9	329.1	329.1
55°	3068.8	3008.8	2151.2	677.6	333.1	370.4	398.8	378.5	349.3	332.3	333.1
57.5°	3329.7	3322.5	2284.2	614.4	322.7	364.7	412.6	389.1	364.7	347.8	347.8
60°	3626.5	3659.6	2455.2	543.9	321.0	358.3	418.3	406.9	378.5	375.3	376.1
62.5°	3881.8	3968.6	2585.6	462.0	310.4	353.5	428.0	423.9	395.5	392.3	397.1
64°	4007.4	4103.8	2636.8	411.0	308.0	356.6	432.0	441.0	414.2	417.5	417.5
65°	4052.8	4147.6	2651.2	377.0	305.6	358.3	432.8	446.7	418.3	417.5	417.5
67.5°	4054.4	4127.4	2600.3	323.4	295.0	357.5	436.9	462.0	434.5	453.1	445.8
70°	3958.8	3864.0	2402.5	286.2	293.5	358.3	433.6	453.9	429.6	471.8	467.7
72.5°	3695.2	3355.0	1908.9	252.1	296.6	353.5	416.6	432.8	414.9	476.6	472.5
75°	3122.3	2614.8	1175.3	235.9	292.6	336.4	396.4	393.9	385.0	423.9	421.5
77.5°	2145.6	1720.9	562.5	230.2	287.0	312.9	351.9	347.8	338.0	354.2	349.3
80°	1110.5	909.5	339.6	210.8	266.7	271.5	287.0	290.2	279.6	283.7	277.2
82.5°	525.2	479.8	285.2	192.1	228.6	201.0	222.9	233.5	214.8	215.6	193.0
85°	328.4	334.8	235.0	149.1	154.0	122.4	154.8	166.2	142.7	121.6	116.0
87.5°	272.4	284.5	173.5	83.5	71.3	62.4	87.5	91.6	65.7	55.0	51.1
90°	281.3	290.2	171.0	66.4	56.7	47.0	64.0	56.7	40.5	35.6	32.4
92.5°	278.8	282.9	169.4	64.0	53.5	42.9	54.3	43.8	31.5	27.6	25.1
95°	209.9	225.3	137.0	62.4	47.0	34.9	40.5	34.1	21.9	19.4	17.8
97.5°	86.8	102.1	81.1	59.2	36.5	25.9	26.8	23.5	13.0	11.4	10.5
100°	17.1	26.8	42.9	42.9	17.8	13.7	13.7	13.0	6.4	5.7	4.9
102.5°	17.1	16.2	19.4	23.5	8.0	4.1	4.9	6.4	4.1	5.7	5.7
105°	17.8	17.1	10.5	6.4	4.9	2.4	1.6	1.6	3.3	6.4	7.3
107.5°	16.2	16.2	7.3	4.9	4.1	3.3	0.8	0.8	2.4	7.3	8.0



REPORT NUMBER: P254738

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.0	9.0	5.7	4.1	4.1	3.3	0.8	0.0	2.4	8.0	9.0
112.5°	4.9	4.9	4.9	3.3	2.4	2.4	0.8	0.0	2.4	9.0	9.8
115°	4.9	4.9	4.1	3.3	2.4	1.6	0.0	0.0	2.4	9.8	10.5
117.5°	4.9	4.9	4.1	2.4	1.6	0.8	0.0	0.0	2.4	9.8	10.5
120°	4.9	4.9	4.1	2.4	1.6	0.8	0.0	0.0	2.4	9.0	9.8
122.5°	4.9	4.9	4.1	2.4	1.6	0.8	0.0	0.0	2.4	7.3	8.0
125°	4.1	4.1	3.3	2.4	1.6	0.8	0.0	0.0	1.6	6.4	6.4
127.5°	3.3	4.1	3.3	2.4	1.6	0.8	0.0	0.0	1.6	4.9	5.7
130°	3.3	3.3	2.4	2.4	1.6	0.8	0.0	0.0	0.8	4.1	4.9
132.5°	2.4	2.4	1.6	1.6	1.6	0.8	0.0	0.0	0.0	1.6	2.4
135°	0.8	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8
137.5°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
145°	0.8	1.6	1.6	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.8	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)