

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: P254737

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254737
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-AF24-60-D-U-T2U-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6148 lumens
Efficiency: N/A
Efficacy: 96.1 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): 64
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

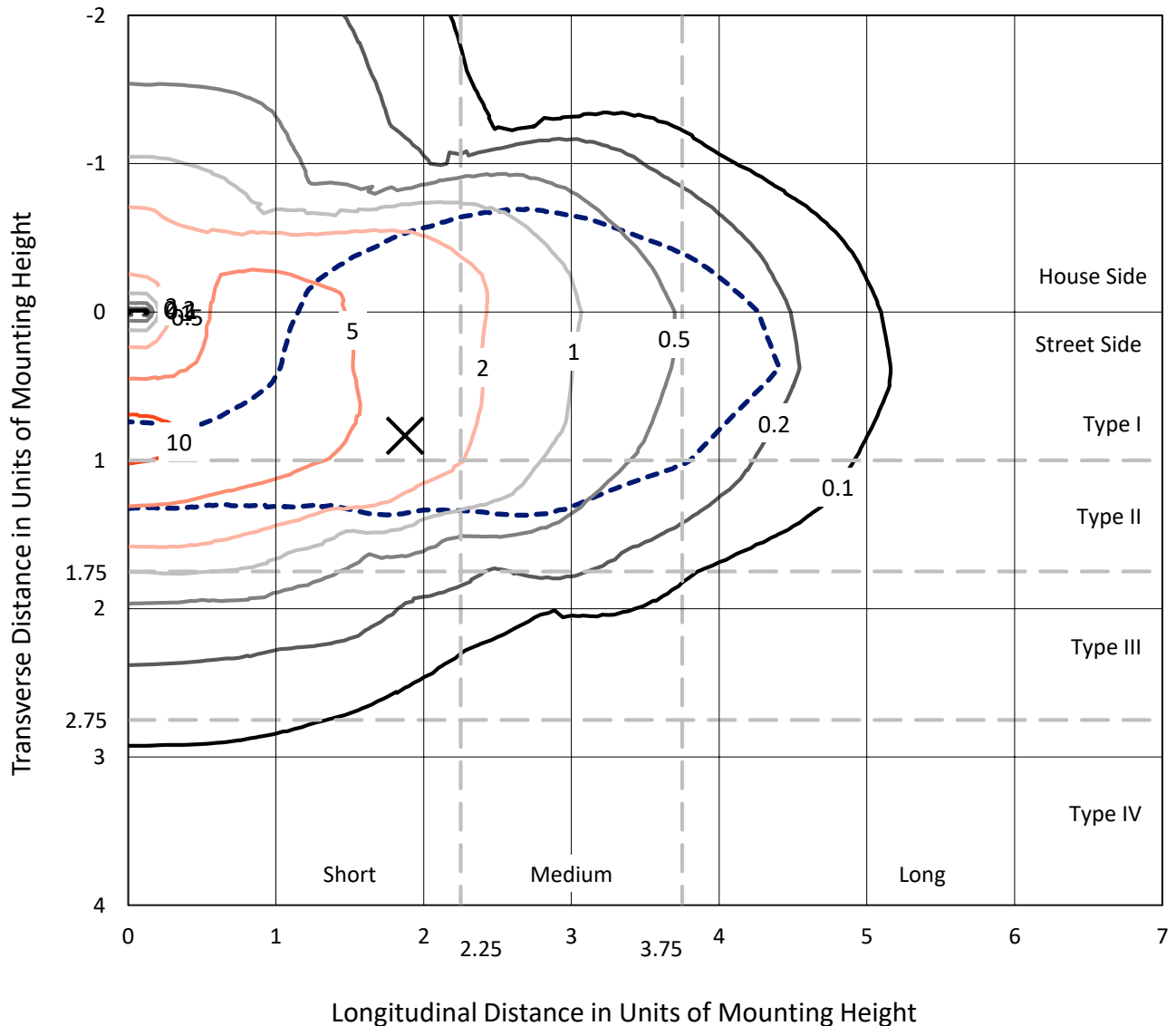


REPORT NUMBER: P254737

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

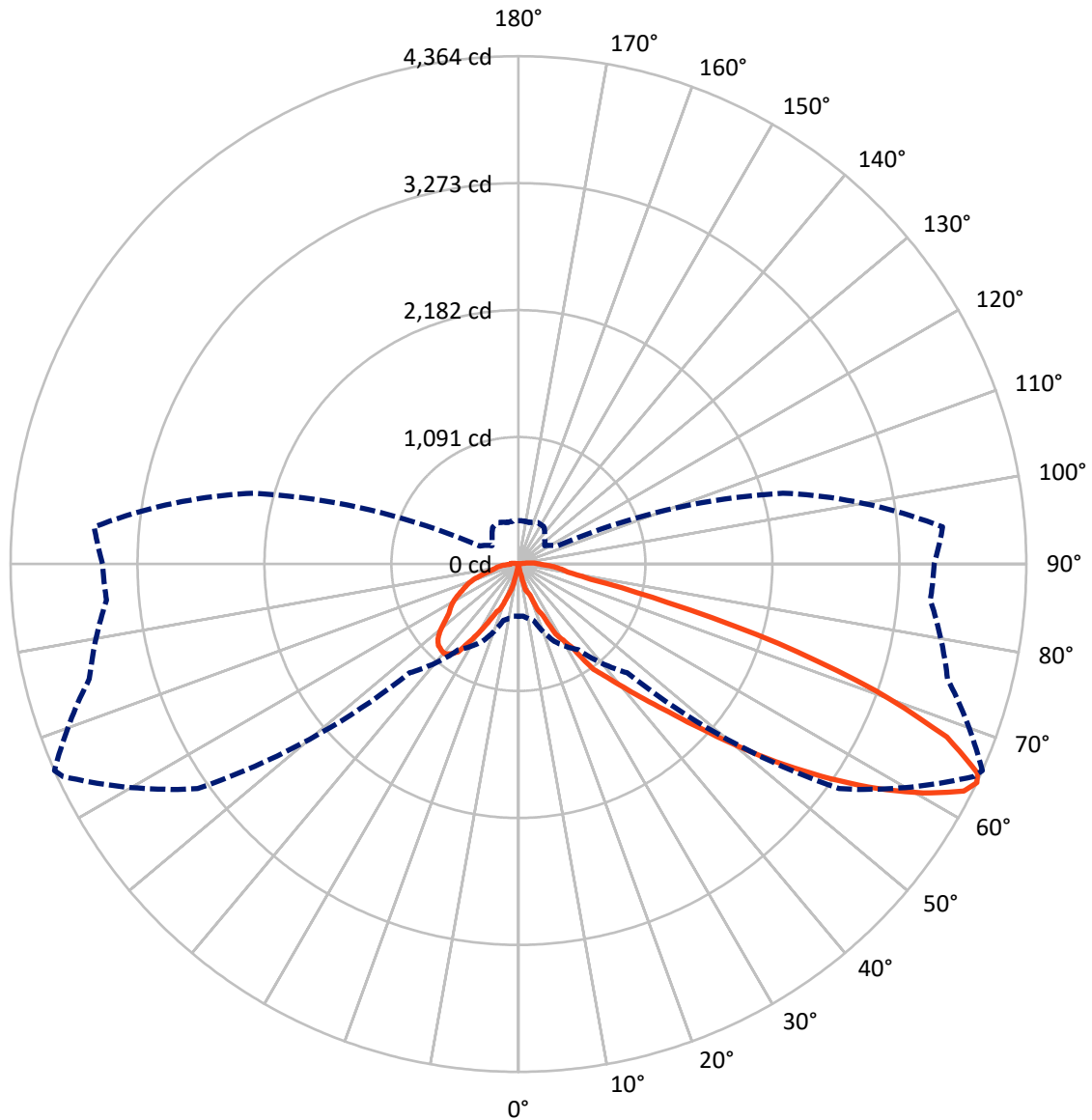


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P254737

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P254737

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL-7030

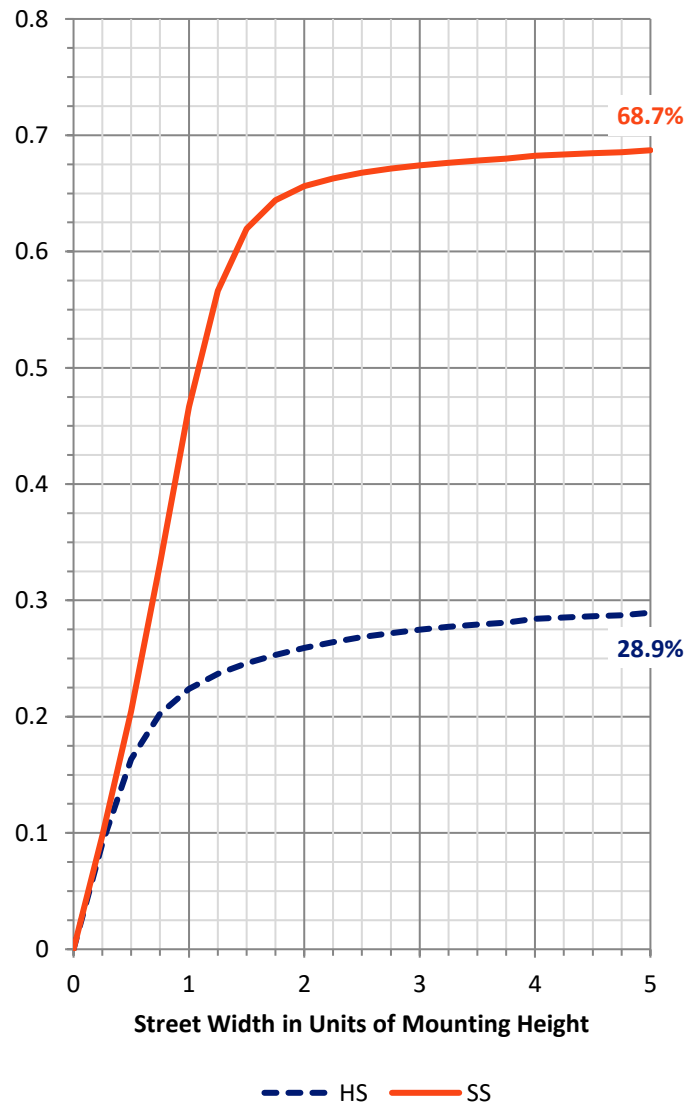
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1819.4	37.6	1857.0
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	4256.8	34.2	4291.0
	% Fixture	69.2	0.6	69.8
Total	Lumens	6076.2	71.8	6148.0
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	59.6	1.0
20°-30°	240.3	3.9
30°-40°	608.2	9.9
40°-50°	1159.7	18.9
50°-60°	1555.6	25.3
60°-70°	1440.4	23.4
70°-80°	810.1	13.2
80°-90°	198.3	3.2
90°-100°	60.5	1.0
100°-110°	7.2	0.1
110°-120°	1.9	0.0
120°-130°	1.2	0.0
130°-140°	0.4	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°	6076.2	98.8
0°-180°	6148.0	100.0



REPORT NUMBER: P254737

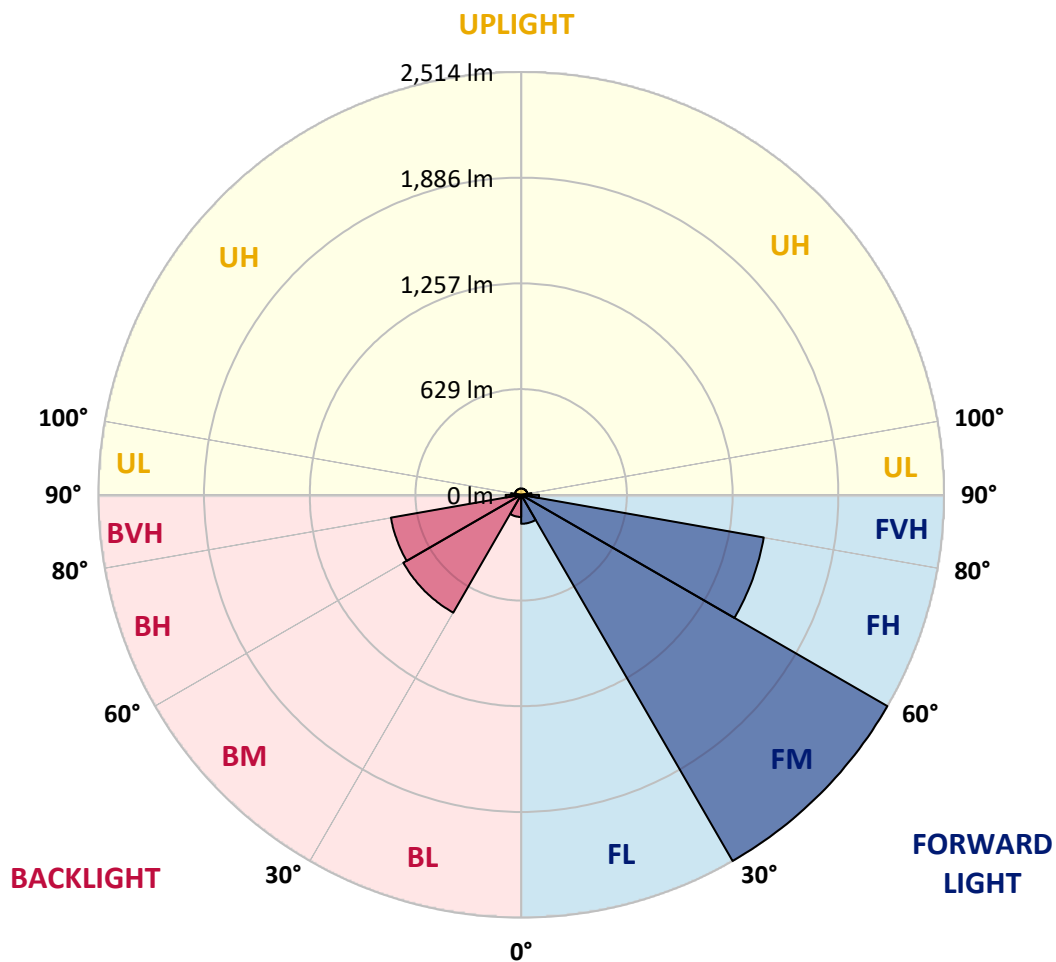
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.2	2.8			
FM (30°-60°)	2514.0	40.9			
FH (60°-80°)	1464.5	23.8			G1/1800
FVH (80°-90°)	106.1	1.7			G2/225
BL (0°-30°)	131.8	2.1	B1/500		
BM (30°-60°)	809.4	13.2	B1/1000		
BH (60°-80°)	786.0	12.8	B2/1000		G2/1000
BVH (80°-90°)	92.2	1.5			G1/100
UL (90°-100°)	60.5	1.0		U3/500	
UH (100°-180°)	37.6	0.6		U2/50	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P254737

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	7.2	7.2	7.2	7.9	7.2	6.5	5.8	4.4	3.6	2.1	2.1
5°	94.7	94.7	94.0	91.1	28.2	14.4	9.4	5.8	5.8	3.6	2.1
7.5°	106.2	105.6	105.6	102.6	101.9	94.0	47.7	9.4	8.6	5.0	2.8
10°	117.8	114.9	113.5	111.3	112.0	105.6	98.4	46.2	26.8	10.2	7.9
12.5°	218.3	216.9	210.4	177.1	122.9	112.7	110.6	92.6	89.6	77.3	90.3
15°	241.5	237.1	232.7	232.0	219.7	137.3	174.2	227.7	229.9	177.1	191.5
17.5°	281.9	274.7	260.2	249.3	242.9	281.9	259.5	251.6	253.7	216.9	216.2
20°	427.2	426.4	419.2	370.1	277.5	348.4	335.4	287.7	286.3	391.8	382.4
22.5°	503.8	491.5	482.2	466.2	477.0	381.7	407.6	419.2	428.7	449.6	430.1
25°	757.5	695.3	664.3	540.0	568.1	482.8	537.0	491.5	487.2	502.4	541.4
27.5°	873.8	877.5	852.9	808.8	656.3	677.3	599.2	688.9	683.1	695.3	667.1
30°	1163.7	1144.3	1010.5	967.2	848.6	771.9	826.2	774.8	758.3	743.7	737.3
32.5°	1434.8	1434.0	1398.0	1218.7	1068.3	903.6	939.6	860.9	866.0	960.0	983.0
35°	1856.2	1828.8	1611.9	1502.8	1276.4	1153.7	1055.3	1119.7	1110.9	1097.9	1107.4
37.5°	2343.4	2308.6	2124.3	1783.2	1547.5	1323.4	1311.2	1264.9	1233.1	1247.6	1257.0
40°	2628.9	2600.0	2438.7	2148.9	1806.3	1619.9	1499.8	1431.2	1392.2	1449.3	1447.0
42.5°	2832.0	2806.7	2714.2	2414.9	2172.1	1973.3	1723.9	1625.7	1585.2	1672.6	1638.7
45°	2935.4	2891.2	2880.4	2654.9	2491.5	2402.6	2034.0	1864.2	1813.6	1906.8	1866.3
47.5°	2882.6	2834.1	2876.1	2733.0	2779.2	2775.6	2419.2	2141.7	2108.4	2186.5	2125.8
50°	2637.5	2609.3	2699.7	2719.3	2926.7	3077.8	2848.0	2435.9	2477.8	2440.2	2399.0
52.5°	2234.3	2222.7	2367.2	2529.9	2904.3	3275.8	3242.6	2772.8	2866.8	2699.0	2644.1
55°	1805.6	1807.8	1965.3	2157.7	2670.9	3304.0	3585.9	3174.6	3254.9	2960.0	2883.4
57.5°	1318.4	1376.2	1556.2	1719.6	2227.0	3119.0	3798.4	3576.5	3643.0	3229.6	3101.7
60°	855.1	876.0	1092.9	1352.4	1642.2	2558.1	3880.8	3944.4	3995.7	3509.3	3309.8
62.5°	564.6	566.7	656.3	955.6	1135.5	1785.4	3679.9	4248.0	4297.1	3724.6	3486.9
64°	449.6	448.8	501.6	733.6	901.4	1321.3	3365.4	4318.2	4364.4	3817.9	3553.3
65°	396.8	396.1	434.5	589.8	770.5	1056.0	3051.7	4292.8	4337.6	3859.8	3571.4
67.5°	336.8	338.2	353.5	405.5	558.0	635.4	1867.0	3933.6	3970.5	3827.4	3508.6
70°	310.9	312.3	330.3	340.5	440.2	472.0	811.7	3212.9	3255.6	3679.2	3364.0
72.5°	273.9	276.1	299.9	326.0	349.1	391.8	516.8	2211.1	2333.2	3190.5	3169.6
75°	229.1	231.3	253.7	287.7	304.3	319.5	447.4	1173.1	1324.9	2401.2	2824.8
77.5°	187.2	188.7	207.5	230.5	276.9	247.9	391.8	600.0	636.1	1519.4	2088.9
80°	138.1	139.6	159.7	185.0	214.7	216.2	323.1	432.2	434.5	831.3	1127.5
82.5°	94.7	95.4	115.6	130.1	151.8	200.3	258.7	356.4	374.4	493.7	518.2
85°	65.0	65.8	78.0	83.1	95.4	110.6	187.2	279.7	307.2	354.2	310.9
87.5°	31.0	32.6	34.0	36.2	37.5	39.0	80.2	206.0	216.9	236.3	245.8
90°	26.0	26.0	20.2	19.5	22.4	23.2	36.8	175.7	172.1	226.2	244.3
92.5°	26.0	26.0	18.8	18.0	20.2	19.5	26.8	144.5	140.2	222.7	241.5
95°	22.4	23.2	15.2	14.4	17.4	16.0	21.0	84.5	89.6	156.9	178.5
97.5°	18.8	18.8	11.6	11.6	12.2	11.6	13.7	31.0	34.8	66.5	78.7
100°	13.7	14.4	7.2	7.9	7.9	7.2	7.2	13.0	14.4	18.0	17.4
102.5°	11.6	13.0	5.0	5.8	4.4	4.4	3.6	5.8	5.8	9.4	13.7
105°	8.6	10.2	3.6	3.6	2.8	2.8	1.4	4.4	4.4	7.9	14.4
107.5°	5.0	5.8	2.1	2.1	2.1	2.8	1.4	2.8	3.6	6.5	12.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	2.1	2.1	0.8	1.4	0.8	2.1	1.4	2.8	3.6	2.8	6.5
112.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1	2.1	1.4	3.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	0.8	1.4	3.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	3.6
120°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	3.6
122.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	2.8
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.8
127.5°	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1
130°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.8
147.5°	3.6	3.6	2.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8
150°	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8
152.5°	1.4	1.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	2.1	2.8	2.8	3.6	3.6	4.4	4.4	4.4	4.4	3.6	3.6
5°	2.1	2.8	2.8	3.6	4.4	5.8	6.5	7.9	7.9	8.6	8.6
7.5°	2.8	2.8	3.6	4.4	6.5	10.8	32.6	103.4	107.0	116.4	117.1
10°	7.2	7.9	7.9	8.6	21.0	106.2	119.3	124.3	130.8	131.5	130.8
12.5°	95.4	91.8	88.2	27.5	104.8	128.0	131.5	138.8	142.4	153.3	153.3
15°	193.0	193.0	186.5	205.3	185.7	142.4	153.3	240.7	249.3	255.8	252.3
17.5°	219.1	219.1	214.7	260.2	279.7	225.5	246.5	265.3	271.1	272.5	271.7
20°	394.0	389.6	351.3	319.5	292.0	357.9	302.1	273.2	325.3	376.6	379.4
22.5°	428.7	422.9	413.4	419.2	383.8	368.6	346.3	363.7	375.2	377.3	378.0
25°	540.7	537.0	467.0	446.7	482.2	411.3	416.4	356.4	362.8	370.8	370.1
27.5°	670.1	658.5	623.1	535.0	504.6	485.0	393.3	376.6	416.4	418.5	417.1
30°	743.7	711.3	646.2	660.7	544.9	464.1	390.3	394.7	377.3	378.0	379.4
32.5°	991.7	952.6	868.8	768.3	582.0	436.6	378.0	354.2	382.4	387.5	389.6
35°	1084.2	1049.6	977.3	909.2	592.7	416.4	336.1	346.9	347.7	349.1	350.6
37.5°	1212.9	1164.4	1104.5	952.6	589.1	366.4	327.4	328.9	352.1	356.4	358.5
40°	1371.2	1309.8	1242.5	972.2	531.2	347.7	320.2	331.0	339.0	336.8	338.2
42.5°	1558.4	1475.2	1381.2	949.0	450.3	339.0	320.2	327.4	328.9	322.5	322.5
45°	1773.9	1681.3	1499.1	923.0	388.2	341.9	327.4	323.1	315.9	306.5	304.3
47.5°	2009.4	1901.7	1607.5	872.4	344.8	339.7	331.8	315.9	307.9	299.9	299.9
50°	2261.6	2148.2	1700.1	794.5	324.5	336.1	329.6	320.2	311.5	297.0	296.3
52.5°	2503.1	2410.6	1815.1	688.2	305.1	339.0	346.3	325.3	313.0	293.5	293.5
55°	2736.6	2683.1	1918.4	604.3	297.0	330.3	355.6	337.5	311.5	296.3	297.0
57.5°	2969.3	2962.8	2036.9	547.9	287.7	325.3	367.8	346.9	325.3	310.1	310.1
60°	3233.8	3263.6	2189.4	485.0	286.3	319.5	373.0	362.8	337.5	334.7	335.4
62.5°	3461.6	3538.9	2305.8	412.0	276.9	315.1	381.7	378.0	352.7	349.8	354.2
64°	3573.7	3659.6	2351.4	366.4	274.7	318.1	385.2	393.3	369.4	372.2	372.2
65°	3614.1	3698.7	2364.4	336.1	272.5	319.5	386.0	398.2	373.0	372.2	372.2
67.5°	3615.5	3680.6	2318.8	288.5	263.1	318.7	389.6	412.0	387.5	404.0	397.6
70°	3530.2	3445.7	2142.5	255.1	261.6	319.5	386.7	404.8	383.1	420.6	417.1
72.5°	3295.4	2991.7	1702.3	224.7	264.5	315.1	371.5	386.0	370.1	425.0	421.4
75°	2784.3	2331.8	1048.2	210.4	260.9	299.9	353.5	351.3	343.3	378.0	375.9
77.5°	1913.3	1534.5	501.6	205.3	255.8	279.0	313.7	310.1	301.4	315.9	311.5
80°	990.2	811.0	302.8	187.9	237.8	242.1	255.8	258.7	249.3	252.9	247.3
82.5°	468.4	427.9	254.5	171.3	203.9	179.3	198.8	208.1	191.5	192.3	172.1
85°	292.7	298.5	209.7	133.0	137.3	109.2	138.1	148.1	127.2	108.3	103.4
87.5°	242.9	253.7	154.7	74.4	63.6	55.6	78.0	81.7	58.6	49.1	45.6
90°	250.9	258.7	152.5	59.2	50.6	41.9	57.2	50.6	36.2	31.8	29.0
92.5°	248.7	252.3	151.1	57.2	47.7	38.4	48.4	39.0	28.2	24.6	22.4
95°	187.2	200.9	122.2	55.6	41.9	31.0	36.2	30.4	19.5	17.4	16.0
97.5°	77.3	91.1	72.3	52.8	32.6	23.2	23.8	21.0	11.6	10.2	9.4
100°	15.2	23.8	38.4	38.4	16.0	12.2	12.2	11.6	5.8	5.0	4.4
102.5°	15.2	14.4	17.4	21.0	7.2	3.6	4.4	5.8	3.6	5.0	5.0
105°	16.0	15.2	9.4	5.8	4.4	2.1	1.4	1.4	2.8	5.8	6.5
107.5°	14.4	14.4	6.5	4.4	3.6	2.8	0.8	0.8	2.1	6.5	7.2



REPORT NUMBER: P254737

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.2	7.9	5.0	3.6	3.6	2.8	0.8	0.0	2.1	7.2	7.9
112.5°	4.4	4.4	4.4	2.8	2.1	2.1	0.8	0.0	2.1	7.9	8.6
115°	4.4	4.4	3.6	2.8	2.1	1.4	0.0	0.0	2.1	8.6	9.4
117.5°	4.4	4.4	3.6	2.1	1.4	0.8	0.0	0.0	2.1	8.6	9.4
120°	4.4	4.4	3.6	2.1	1.4	0.8	0.0	0.0	2.1	7.9	8.6
122.5°	4.4	4.4	3.6	2.1	1.4	0.8	0.0	0.0	2.1	6.5	7.2
125°	3.6	3.6	2.8	2.1	1.4	0.8	0.0	0.0	1.4	5.8	5.8
127.5°	2.8	3.6	2.8	2.1	1.4	0.8	0.0	0.0	1.4	4.4	5.0
130°	2.8	2.8	2.1	2.1	1.4	0.8	0.0	0.0	0.8	3.6	4.4
132.5°	2.1	2.1	1.4	1.4	1.4	0.8	0.0	0.0	0.0	1.4	2.1
135°	0.8	1.4	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.8
137.5°	0.8	0.8	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0
145°	0.8	1.4	1.4	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	1.4	1.4	1.4	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)