

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: P254467

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
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-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6015.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-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

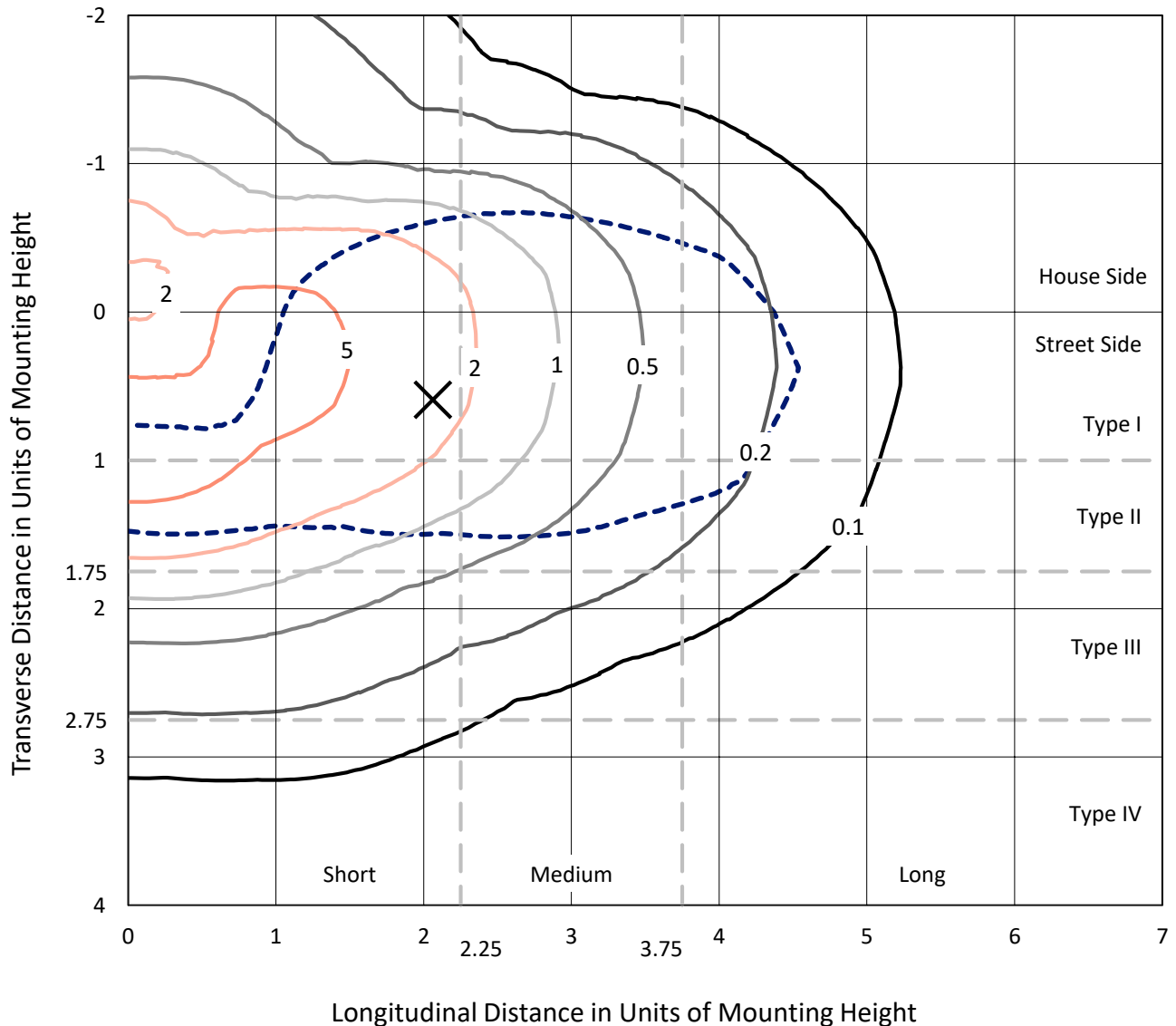


REPORT NUMBER: P254467

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

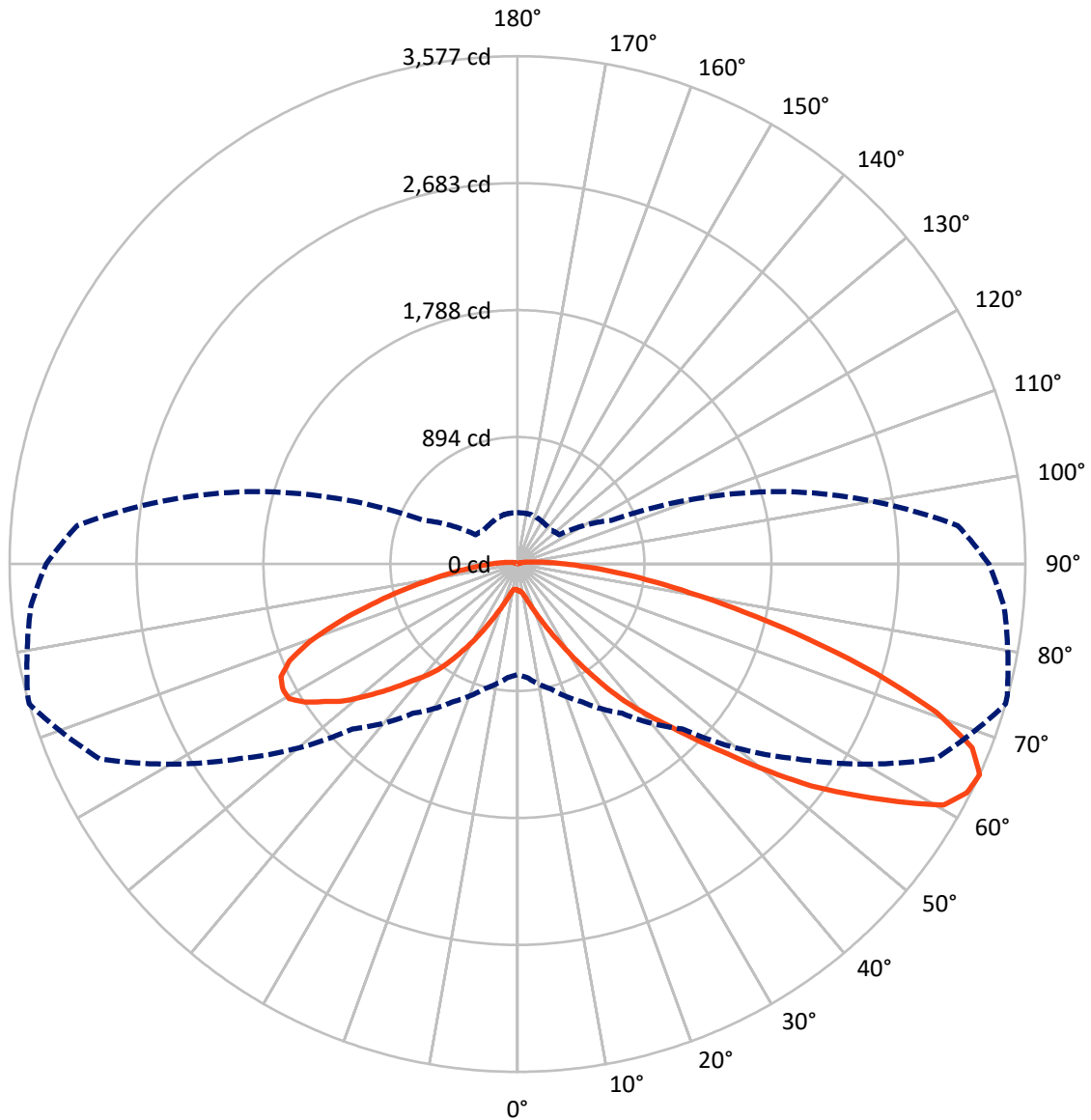


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P254467

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

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P254467

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

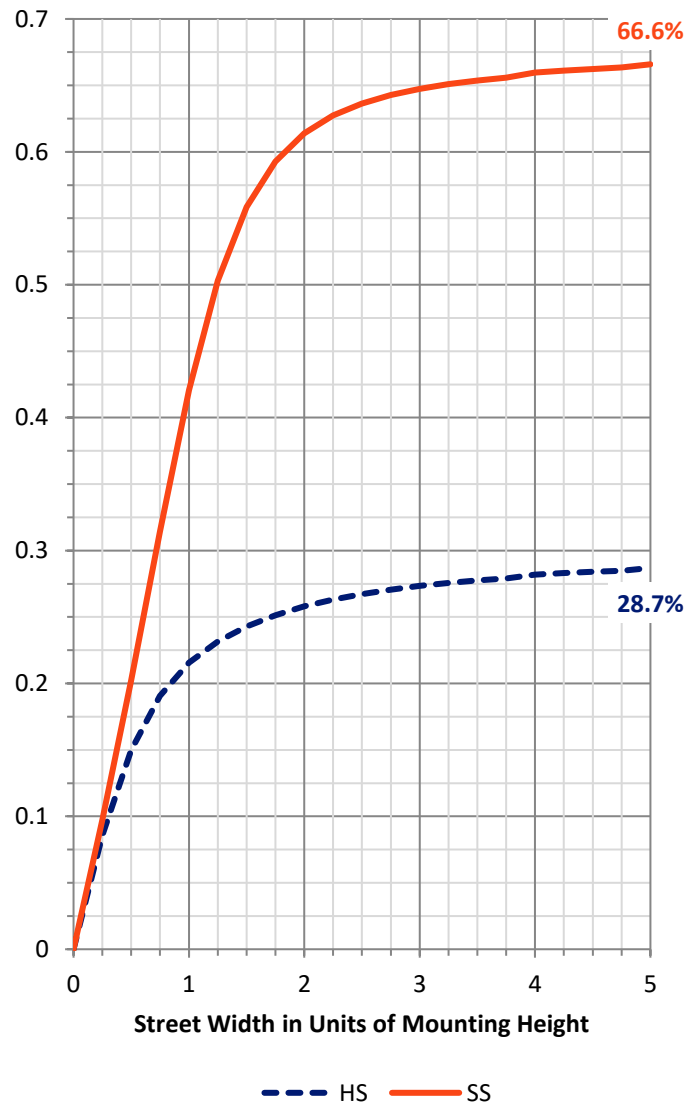
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.9	87.0	1865.9
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	4061.3	88.6	4149.9
	% Fixture	67.5	1.5	69.0
Total	Lumens	5840.2	175.5	6015.8
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	75.4	1.3
20°-30°	222.6	3.7
30°-40°	542.8	9.0
40°-50°	991.0	16.5
50°-60°	1410.1	23.4
60°-70°	1419.6	23.6
70°-80°	840.5	14.0
80°-90°	319.9	5.3
90°-100°	100.8	1.7
100°-110°	38.1	0.6
110°-120°	18.3	0.3
120°-130°	10.4	0.2
130°-140°	5.8	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5840.2	97.1
0°-180°	6015.8	100.0

Coefficient of Utilization



REPORT NUMBER: P254467

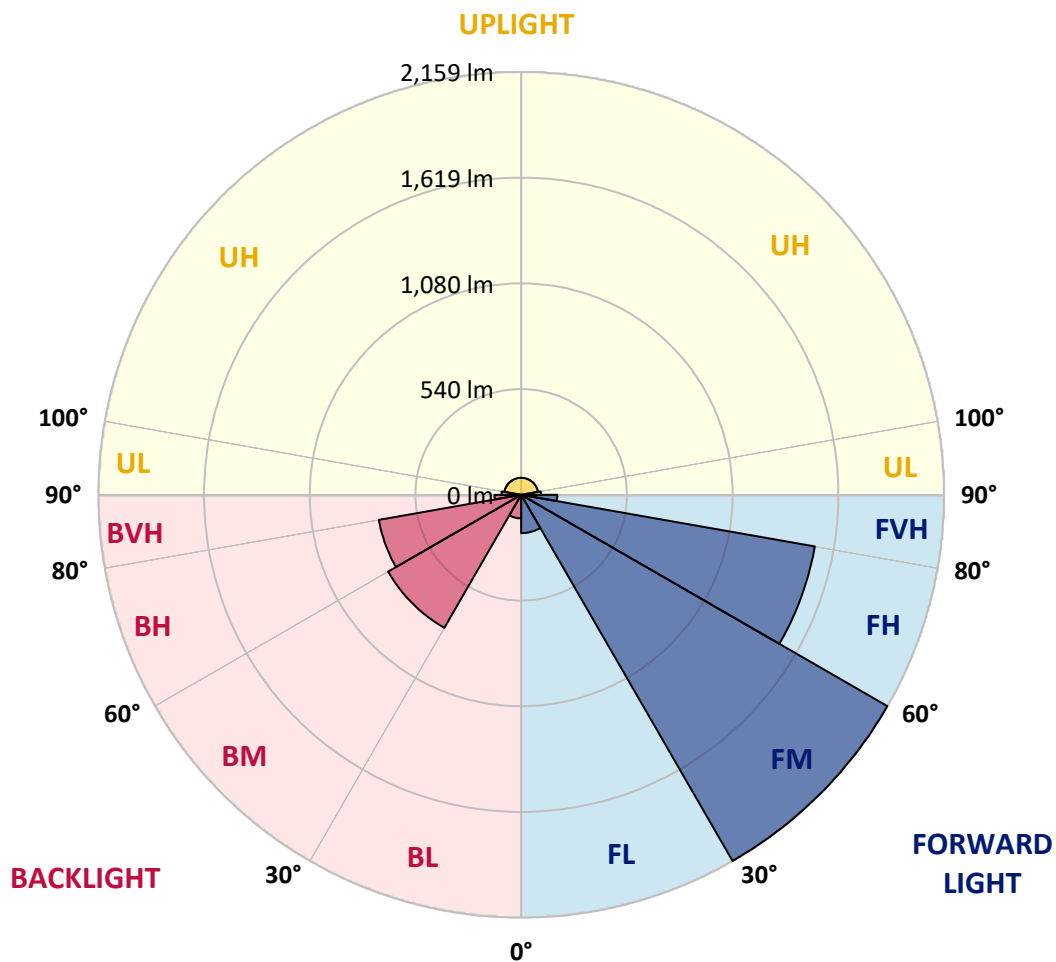
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.8	3.3			
FM	(30°-60°)	2159.1	35.9			
FH	(60°-80°)	1522.4	25.3			G1/1800
FVH	(80°-90°)	184.0	3.1			G2/225
BL	(0°-30°)	120.5	2.0	B1/500		
BM	(30°-60°)	784.8	13.0	B1/1000		
BH	(60°-80°)	737.8	12.3	B2/1000		G2/1000
BVH	(80°-90°)	135.9	2.3			G2/225
UL	(90°-100°)	100.8	1.7		U3/500	
UH	(100°-180°)	87.0	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P254467

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	198.1	197.3	198.1	197.3	197.3	195.9	193.7	190.7	187.9	187.2	184.9
5°	211.8	211.8	211.8	210.4	208.9	206.7	202.3	197.3	192.3	191.5	187.2
7.5°	230.5	231.3	229.9	226.9	224.1	218.3	213.2	206.0	199.5	198.8	192.3
10°	258.7	258.1	255.8	252.3	244.3	237.7	229.1	218.9	211.8	210.4	202.3
12.5°	297.7	297.0	293.5	283.3	272.5	260.1	251.6	242.1	234.9	234.2	226.9
15°	348.3	346.9	339.7	326.6	309.3	293.5	286.3	276.9	269.6	268.9	261.6
17.5°	410.5	409.0	399.1	380.2	356.3	338.2	330.3	319.5	311.5	312.3	301.3
20°	488.6	485.0	471.2	446.0	417.1	395.3	383.1	372.2	365.7	365.0	357.1
22.5°	589.0	584.0	559.4	529.1	493.0	463.3	447.4	435.8	431.5	432.2	425.0
25°	717.8	708.3	677.2	635.4	590.5	544.9	526.2	513.2	515.3	516.8	509.5
27.5°	870.2	865.9	818.2	767.5	701.1	642.6	625.2	612.2	616.6	620.1	614.4
30°	1059.6	1045.1	989.5	913.5	827.5	756.0	733.5	729.3	740.8	745.9	742.3
32.5°	1277.1	1264.7	1189.0	1092.8	967.8	883.3	857.2	868.7	887.5	893.3	889.1
35°	1535.1	1524.2	1422.4	1290.9	1131.8	1041.5	1006.9	1026.3	1050.2	1055.2	1048.8
37.5°	1801.8	1796.1	1684.8	1512.0	1317.5	1200.5	1170.8	1199.0	1224.4	1228.7	1207.0
40°	2030.2	2035.3	1923.9	1732.5	1508.5	1369.7	1352.3	1377.5	1384.9	1386.9	1345.7
42.5°	2216.0	2218.8	2122.1	1928.3	1687.6	1546.0	1536.6	1549.7	1551.8	1551.8	1504.1
45°	2265.2	2281.0	2225.4	2077.9	1858.2	1717.2	1717.2	1746.9	1761.4	1765.7	1704.2
47.5°	2287.6	2299.2	2267.3	2161.0	1995.5	1882.7	1920.3	1989.1	2003.5	2011.5	1932.7
50°	2267.3	2283.2	2277.4	2208.7	2089.5	2034.6	2144.4	2264.4	2291.1	2299.2	2203.0
52.5°	2108.2	2140.1	2187.8	2200.1	2146.6	2161.0	2371.4	2573.7	2597.6	2601.9	2459.5
55°	1878.5	1916.1	1997.0	2083.0	2134.3	2245.0	2591.8	2873.0	2867.2	2870.1	2706.8
57.5°	1589.4	1626.3	1735.4	1871.3	2020.1	2263.8	2724.1	3115.8	3155.6	3163.5	3008.9
60°	1323.3	1338.5	1455.7	1609.6	1806.9	2168.2	2724.1	3318.2	3447.5	3432.4	3222.8
62.5°	1016.8	1048.1	1170.1	1337.9	1552.5	1934.9	2625.1	3382.5	3551.7	3530.7	3334.0
65°	778.4	803.7	911.4	1069.6	1283.6	1642.1	2390.1	3247.4	3576.9	3571.9	3441.1
67.5°	607.2	610.8	703.2	838.4	1015.4	1324.8	2005.7	2985.0	3454.8	3454.1	3376.0
70°	459.0	462.6	537.8	662.7	784.2	1013.3	1601.6	2557.9	3130.3	3120.9	3157.0
72.5°	350.5	354.9	414.1	513.8	602.8	756.7	1220.8	2057.1	2643.1	2656.8	2710.4
75°	271.1	275.4	321.7	399.1	461.8	555.0	881.7	1548.9	2119.1	2141.6	2253.6
77.5°	208.9	213.2	250.1	308.6	354.9	406.9	614.4	1136.2	1639.2	1668.2	1793.2
80°	160.5	164.8	197.3	239.3	276.9	308.6	432.8	813.9	1233.7	1266.4	1411.5
82.5°	124.3	128.6	156.1	190.1	221.9	243.5	315.1	579.6	920.1	946.8	1097.8
85°	96.1	99.8	122.9	149.5	180.0	199.5	241.4	410.5	660.6	683.0	802.3
87.5°	74.4	77.3	96.1	117.8	146.0	165.5	192.3	298.5	453.2	470.5	550.0
90°	56.4	59.2	74.4	91.1	115.6	136.6	153.9	214.7	311.5	321.7	362.0
92.5°	41.2	43.3	55.6	68.0	88.2	108.3	122.9	159.0	211.8	216.9	234.2
95°	31.0	32.6	41.2	50.6	66.5	83.8	95.4	117.1	142.4	145.4	151.1
97.5°	24.6	25.3	31.8	39.0	51.4	65.0	73.8	86.0	100.4	101.9	104.8
100°	21.0	21.7	26.8	32.6	41.2	52.0	58.6	66.5	74.4	75.2	77.3
102.5°	18.0	18.8	22.4	26.8	34.8	43.3	47.7	52.8	57.2	56.4	58.6
105°	16.0	16.0	19.5	23.2	29.6	36.2	39.0	41.9	43.3	43.3	44.8
107.5°	13.7	14.4	16.6	20.2	26.0	31.0	32.6	33.3	33.3	33.3	34.8
110°	12.2	12.2	14.4	17.4	22.4	26.8	27.5	26.8	26.0	26.0	27.5



REPORT NUMBER: P254467

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.8	10.8	12.2	16.0	20.2	23.8	23.8	22.4	20.2	20.2	21.7
115°	9.4	10.2	10.8	14.4	18.8	21.7	21.0	18.8	16.6	16.6	18.0
117.5°	8.6	8.6	10.2	13.0	17.4	19.5	18.8	16.0	13.7	13.7	15.2
120°	8.6	8.6	9.4	12.2	16.0	18.0	16.6	13.7	11.6	11.6	13.7
122.5°	8.6	8.6	9.4	11.6	14.4	16.0	15.2	12.2	10.2	10.2	11.6
125°	9.4	9.4	9.4	11.6	13.7	15.2	13.7	11.6	9.4	9.4	10.2
127.5°	10.2	10.2	10.2	11.6	13.0	13.7	12.2	10.2	8.6	8.6	9.4
130°	10.8	10.8	10.2	10.8	12.2	12.2	11.6	9.4	7.9	7.9	9.4
132.5°	10.8	10.8	10.2	10.2	10.8	10.8	10.2	7.9	7.2	7.2	8.6
135°	10.2	10.2	9.4	9.4	9.4	9.4	7.9	6.5	6.5	6.5	7.2
137.5°	9.4	9.4	8.6	8.6	8.6	7.9	6.5	5.0	5.0	5.0	6.5
140°	7.9	7.9	7.9	7.2	7.2	6.5	5.0	4.4	4.4	4.4	5.0
142.5°	7.2	6.5	6.5	5.8	5.8	5.0	3.6	2.8	2.8	2.8	3.6
145°	5.8	5.8	5.0	4.4	4.4	3.6	2.1	1.4	2.1	2.1	2.8
147.5°	4.4	4.4	3.6	3.6	2.8	2.1	0.8	1.4	1.4	1.4	2.1
150°	2.8	2.8	2.8	2.1	1.4	0.8	0.8	0.8	0.8	1.4	1.4
152.5°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.8	0.8	0.8	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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: P254467

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	183.5	182.9	181.4	178.5	177.8	176.4	174.2	173.5	172.0	172.7	172.0
5°	184.9	183.5	178.5	175.6	172.0	169.9	167.7	166.2	164.8	164.1	163.4
7.5°	188.7	186.5	180.8	175.0	169.9	166.2	163.4	161.1	159.7	159.0	158.3
10°	198.1	195.1	186.5	178.5	170.6	165.5	161.9	159.7	158.3	158.3	158.3
12.5°	221.1	217.5	204.6	190.7	177.8	169.9	165.5	168.4	172.0	175.6	177.8
15°	254.5	250.1	234.2	214.7	195.1	183.5	184.3	190.1	194.4	198.8	199.5
17.5°	296.3	290.5	270.3	244.3	218.3	208.9	206.0	211.8	218.9	223.3	225.5
20°	348.3	341.1	315.1	278.9	252.9	239.3	232.7	234.9	242.9	250.1	250.7
22.5°	414.8	401.8	371.5	321.7	289.1	268.1	258.7	258.7	269.6	278.9	280.5
25°	499.5	487.2	438.6	375.9	328.1	296.3	285.5	287.7	302.1	314.4	315.9
27.5°	603.5	586.1	522.6	440.2	368.6	320.9	309.3	315.1	329.5	342.6	344.0
30°	727.7	700.4	619.4	509.5	408.4	345.5	327.4	334.7	347.7	361.4	361.4
32.5°	868.7	836.3	728.5	583.2	446.0	362.8	337.5	346.9	359.9	373.6	372.9
35°	1021.2	983.7	842.1	657.7	479.8	375.1	342.6	353.5	368.6	385.2	385.2
37.5°	1175.9	1137.6	956.2	724.2	503.8	376.5	344.0	359.9	380.2	395.3	393.9
40°	1303.1	1251.1	1048.8	771.9	513.8	372.9	346.3	363.5	378.7	385.2	383.8
42.5°	1455.7	1389.1	1140.5	796.5	507.4	366.4	346.9	359.3	366.4	366.4	363.5
45°	1640.0	1564.0	1254.8	822.5	490.8	359.3	343.3	350.5	350.5	344.7	340.5
47.5°	1863.3	1760.6	1375.5	845.6	474.1	352.7	339.7	342.6	334.7	325.9	323.1
50°	2123.5	1999.1	1508.5	862.3	458.3	347.7	338.2	336.8	331.0	322.4	319.5
52.5°	2363.4	2224.0	1646.4	875.2	441.6	345.5	338.2	338.2	332.4	320.1	317.3
55°	2599.9	2450.9	1757.0	868.1	423.5	346.3	341.1	342.6	334.7	322.4	319.5
57.5°	2897.5	2737.1	1888.5	855.1	404.7	347.7	344.0	345.5	338.2	326.6	323.9
60°	3104.3	2926.5	1982.5	834.7	387.5	347.7	345.5	347.7	345.5	339.7	337.5
62.5°	3227.1	3029.1	1992.7	788.6	374.4	344.7	344.0	351.3	356.3	354.1	352.1
65°	3319.7	3112.9	1970.3	728.5	359.3	336.8	340.5	352.1	360.7	361.4	360.7
67.5°	3248.1	3034.9	1861.9	658.4	341.1	326.6	333.9	346.9	359.9	364.3	363.5
70°	3028.3	2818.8	1675.4	572.4	320.1	310.8	320.9	338.2	352.1	357.1	355.6
72.5°	2576.7	2389.5	1418.7	490.0	295.6	289.9	300.7	320.9	332.4	335.3	333.2
75°	2132.8	1968.1	1139.0	404.0	268.9	263.9	273.9	289.9	297.7	297.7	294.1
77.5°	1705.0	1551.8	896.9	335.3	241.4	235.7	245.1	254.5	255.8	250.7	247.2
80°	1339.3	1194.8	679.4	277.5	213.2	207.5	210.4	216.2	218.3	208.9	203.8
82.5°	1038.6	909.2	510.2	229.9	185.7	178.5	180.8	183.5	184.3	172.7	166.9
85°	748.8	651.1	374.4	193.7	159.7	153.2	152.5	153.2	153.9	143.7	138.8
87.5°	513.8	446.0	273.9	162.6	138.0	131.5	130.1	129.4	129.4	118.5	113.5
90°	338.2	299.3	203.8	137.3	117.1	110.6	107.7	107.0	105.6	94.0	89.6
92.5°	219.7	200.9	151.1	112.7	96.8	91.1	87.4	85.3	83.1	72.3	68.0
95°	143.7	135.9	114.1	90.3	78.0	72.9	70.2	67.2	64.4	54.9	52.0
97.5°	101.9	99.0	88.9	72.9	62.2	58.6	56.4	54.2	52.0	44.1	42.6
100°	76.6	75.9	71.6	60.0	50.6	48.4	46.2	44.8	43.3	37.5	36.2
102.5°	59.2	60.0	58.6	49.1	42.6	40.4	39.0	37.5	36.8	32.6	31.8
105°	46.2	47.7	47.0	41.2	36.2	34.8	33.3	31.8	31.0	28.2	28.2
107.5°	36.2	37.5	38.4	34.0	31.0	29.6	28.2	26.8	26.8	25.3	25.3
110°	29.0	30.4	31.8	29.0	26.8	26.0	24.6	23.2	22.4	22.4	22.4



REPORT NUMBER: P254467

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	24.6	26.0	24.6	23.2	22.4	21.0	19.5	19.5	19.5	20.2
115°	19.5	21.0	21.7	21.0	20.2	20.2	18.0	16.6	16.0	17.4	17.4
117.5°	16.6	18.0	18.8	18.0	18.0	18.0	16.0	14.4	13.7	14.4	15.2
120°	14.4	15.2	16.0	16.0	16.0	16.0	14.4	12.2	11.6	13.0	13.0
122.5°	12.2	13.0	13.7	14.4	14.4	13.7	12.2	10.8	10.2	11.6	11.6
125°	10.8	11.6	12.2	13.0	13.0	12.2	10.8	9.4	8.6	10.2	10.2
127.5°	10.2	10.8	11.6	11.6	11.6	10.8	9.4	7.9	7.9	8.6	9.4
130°	10.2	10.2	10.8	10.8	10.2	9.4	7.9	6.5	6.5	7.9	7.9
132.5°	9.4	9.4	9.4	9.4	8.6	7.9	6.5	5.8	5.8	7.2	7.2
135°	7.9	7.9	7.9	7.9	7.2	6.5	5.8	4.4	5.0	5.8	5.8
137.5°	6.5	6.5	6.5	6.5	5.8	5.0	4.4	3.6	3.6	4.4	5.0
140°	5.0	5.8	5.8	5.0	4.4	4.4	2.8	2.1	2.8	3.6	3.6
142.5°	4.4	4.4	4.4	3.6	3.6	2.8	2.1	1.4	2.1	2.8	2.8
145°	3.6	3.6	3.6	3.6	2.8	1.4	0.8	0.8	1.4	1.4	1.4
147.5°	2.8	2.8	2.8	2.8	2.1	1.4	0.0	0.0	0.8	0.8	0.8
150°	2.1	2.1	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	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)