

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: P254363

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)
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-T4W-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8001.1 lumens
Efficiency: N/A
Efficacy: 83.3 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 - G4

Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): 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

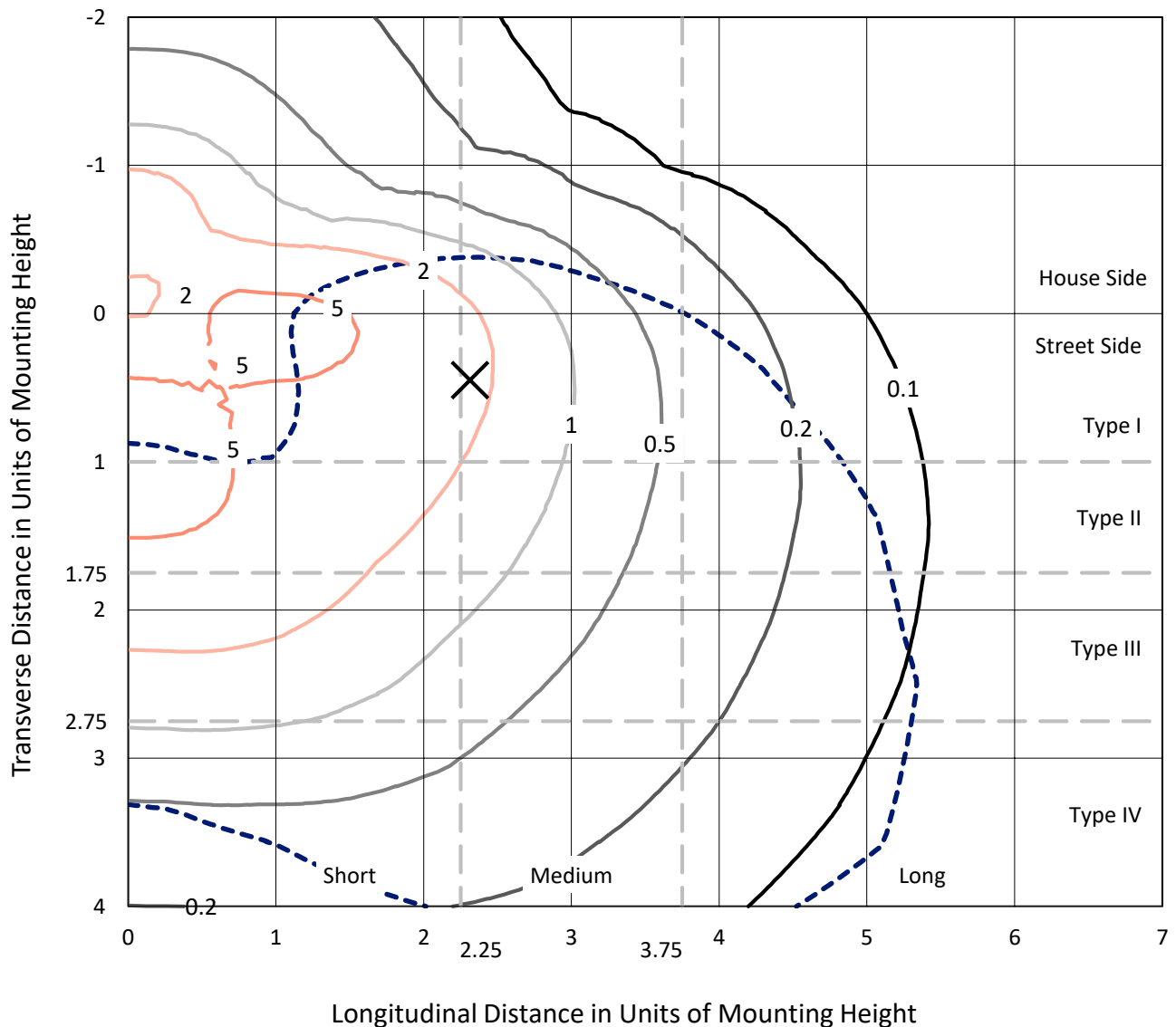


REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

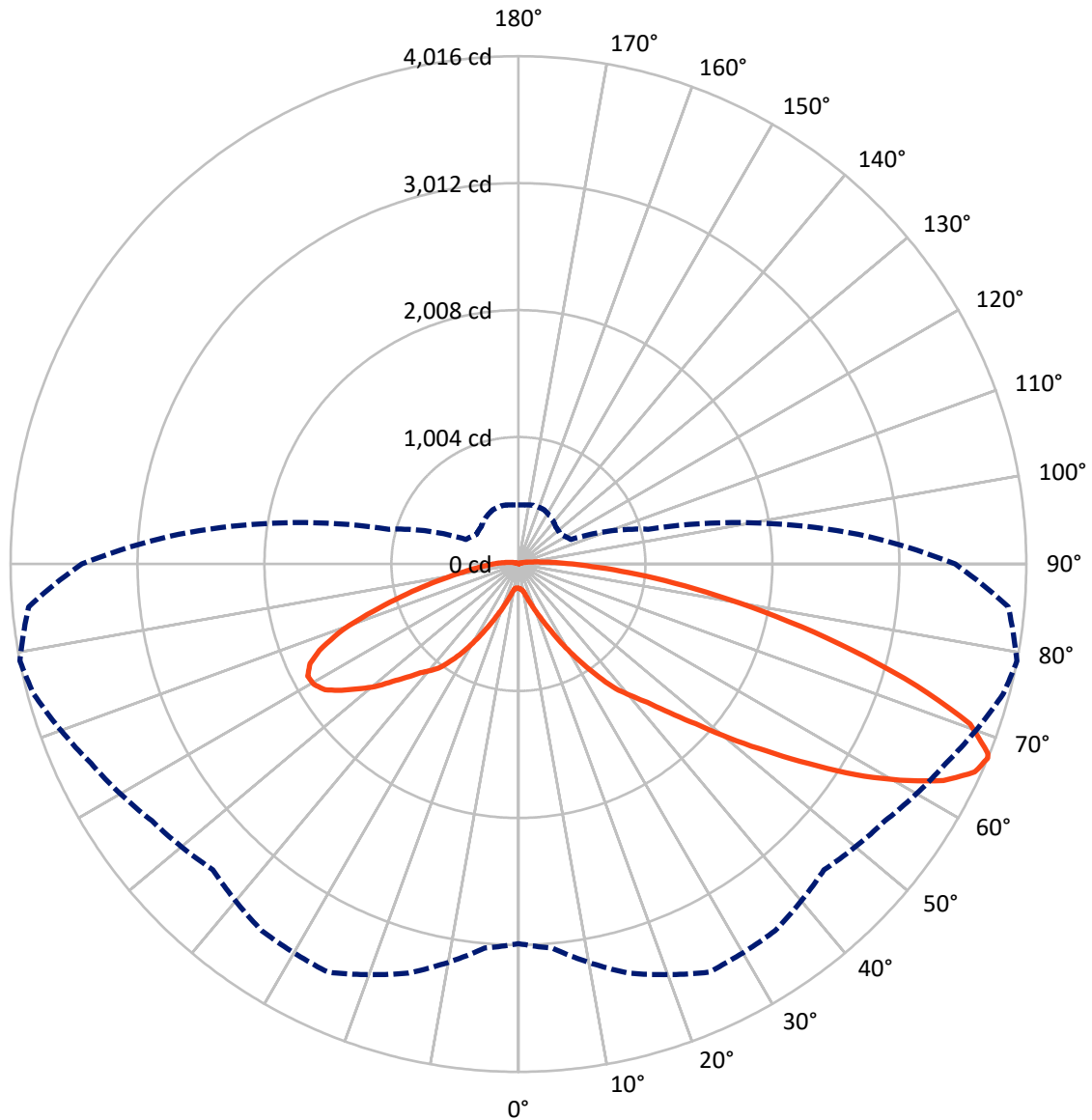


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

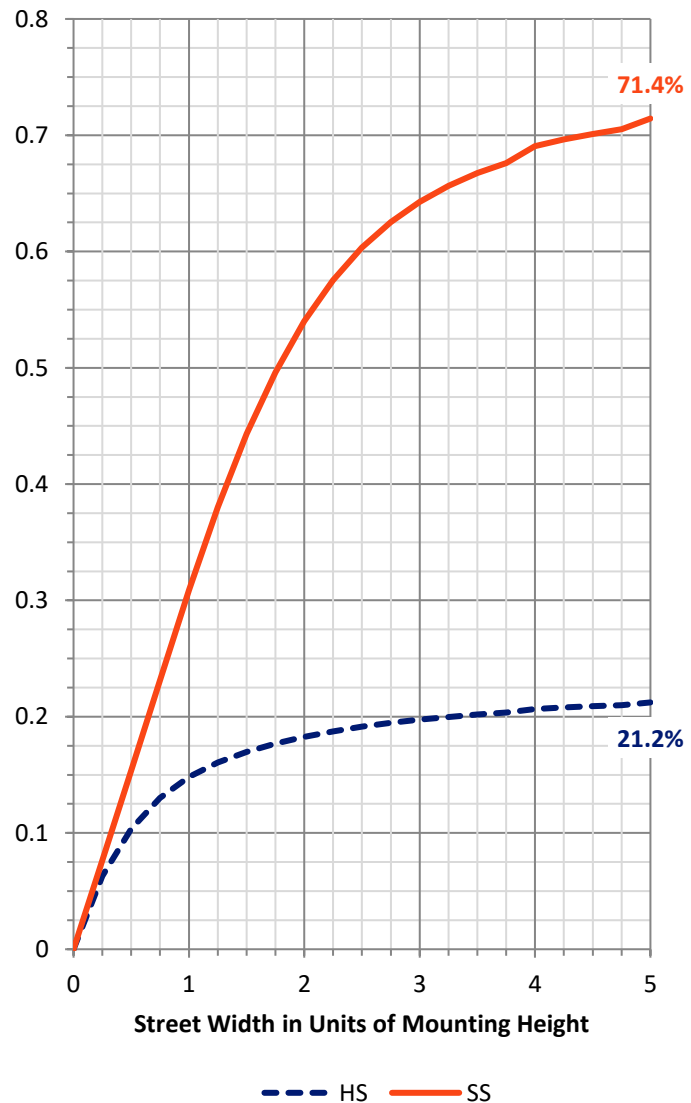
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.3	120.4	1904.7
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	5929.4	166.9	6096.3
	% Fixture	74.1	2.1	76.2
Total	Lumens	7713.8	287.3	8001.1
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.2
10°-20°	82.2	1.0
20°-30°	237.1	3.0
30°-40°	537.8	6.7
40°-50°	934.4	11.7
50°-60°	1497.2	18.7
60°-70°	2086.3	26.1
70°-80°	1648.0	20.6
80°-90°	671.2	8.4
90°-100°	191.4	2.4
100°-110°	56.9	0.7
110°-120°	22.0	0.3
120°-130°	10.6	0.1
130°-140°	4.8	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7713.8	96.4
0°-180°	8001.1	100.0



REPORT NUMBER: P254363

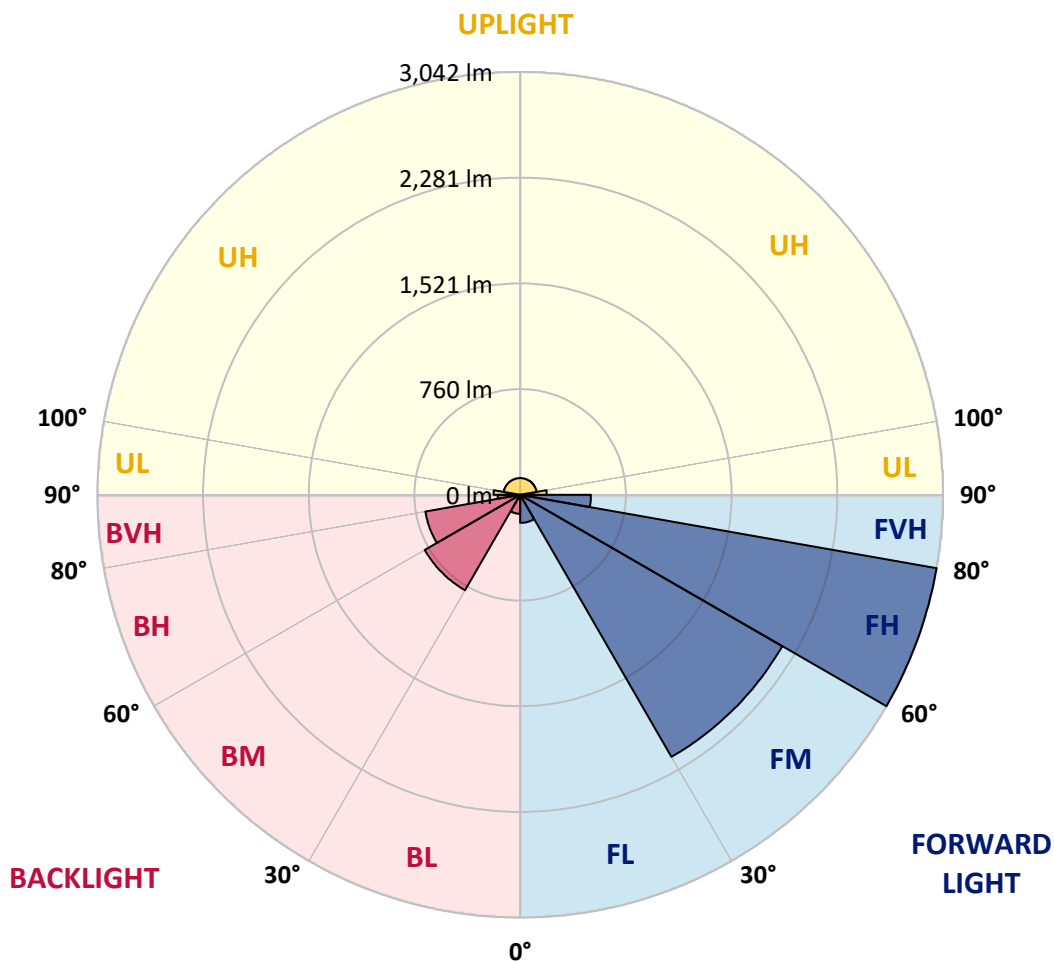
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.0	2.5			
FM (30°-60°)	2176.7	27.2			
FH (60°-80°)	3041.5	38.0			G2/5000
FVH (80°-90°)	509.1	6.4			G4/750
BL (0°-30°)	136.8	1.7	B1/500		
BM (30°-60°)	792.7	9.9	B1/1000		
BH (60°-80°)	692.8	8.7	B2/1000		G2/1000
BVH (80°-90°)	162.0	2.0			G2/225
UL (90°-100°)	191.4	2.4		U3/500	
UH (100°-180°)	120.4	1.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4
2.5°	205.1	205.1	206.0	206.0	206.0	204.1	201.1	198.3	196.3	195.3	193.4
5°	220.4	219.5	220.4	219.5	219.5	215.7	210.9	206.0	202.1	200.2	197.3
7.5°	242.8	242.8	241.8	239.9	237.9	231.2	223.4	217.7	211.9	207.9	205.1
10°	270.8	271.7	269.9	265.0	260.1	251.4	242.8	235.0	226.2	221.5	217.7
12.5°	314.3	314.3	310.4	299.8	288.2	277.5	267.9	260.1	256.3	251.4	247.6
15°	368.5	367.5	361.7	345.3	329.8	311.4	304.7	299.8	296.8	293.1	288.2
17.5°	432.3	431.3	420.7	398.5	374.3	360.8	350.0	345.3	347.2	343.3	339.5
20°	508.7	506.8	490.3	459.4	435.2	416.9	405.3	400.4	406.2	403.2	400.4
22.5°	606.4	601.6	578.3	533.8	505.8	475.9	465.2	463.3	476.8	476.8	476.8
25°	722.4	717.7	682.8	631.5	582.3	545.4	534.9	545.4	567.7	570.7	576.5
27.5°	856.9	851.1	808.5	737.0	671.2	621.9	613.2	634.5	669.2	682.8	688.6
30°	1015.4	1011.6	950.7	859.8	766.9	705.0	695.3	734.0	788.2	809.5	824.1
32.5°	1203.2	1198.2	1110.3	1002.9	873.3	796.0	788.2	847.2	928.4	948.8	977.8
35°	1435.2	1430.4	1314.4	1164.3	992.3	892.6	892.6	969.0	1068.7	1096.8	1132.5
37.5°	1668.3	1667.3	1550.3	1350.1	1123.8	999.0	1001.1	1089.0	1209.0	1252.4	1285.3
40°	1895.5	1897.5	1764.1	1534.9	1270.8	1116.1	1115.1	1204.0	1328.8	1366.7	1398.5
42.5°	2102.5	2101.6	1975.9	1731.2	1423.6	1242.8	1225.4	1312.4	1444.9	1496.2	1538.7
45°	2246.7	2257.3	2160.6	1908.1	1577.3	1374.3	1338.5	1435.2	1604.5	1675.1	1732.1
47.5°	2425.5	2426.5	2337.6	2074.5	1735.0	1510.6	1477.7	1599.7	1814.4	1887.9	1947.8
50°	2622.9	2632.5	2561.9	2283.4	1913.0	1664.4	1651.9	1805.6	2060.9	2164.4	2238.9
52.5°	2791.1	2802.7	2759.3	2522.2	2127.8	1861.8	1861.8	2057.2	2330.8	2454.6	2527.1
55°	2914.9	2934.2	2945.0	2751.4	2370.5	2092.9	2114.1	2333.7	2637.4	2785.3	2873.4
57.5°	3013.6	3040.6	3091.0	2955.6	2609.3	2370.5	2401.4	2636.4	3005.8	3144.2	3237.1
60°	3159.7	3190.6	3281.5	3174.1	2884.0	2669.3	2710.8	2967.2	3344.3	3469.1	3539.7
62.5°	3174.1	3211.9	3395.6	3411.1	3141.2	2961.4	3053.2	3304.6	3664.4	3772.8	3788.2
65°	3107.5	3156.7	3400.4	3541.6	3414.9	3235.0	3364.6	3595.8	3893.7	3965.2	3925.5
67°	3001.1	3048.5	3348.2	3561.0	3538.8	3417.8	3538.8	3729.2	3968.2	4015.5	3887.9
67.5°	2955.6	3001.1	3319.2	3557.2	3554.2	3449.8	3566.8	3758.3	3972.0	4004.0	3859.8
70°	2664.5	2727.3	3067.8	3433.4	3547.4	3478.9	3616.2	3748.5	3800.8	3789.2	3582.3
72.5°	2152.9	2211.9	2583.2	3094.9	3356.0	3321.2	3443.0	3467.2	3375.3	3296.1	3013.6
75°	1579.4	1605.4	1947.8	2498.1	2926.5	2966.2	3058.0	3004.0	2835.6	2730.2	2442.9
77.5°	1096.8	1122.8	1386.0	1891.8	2359.8	2507.8	2598.7	2519.4	2342.4	2181.0	1867.6
80°	726.3	739.9	945.8	1378.2	1851.1	2057.2	2135.5	2054.2	1829.8	1671.2	1374.3
82.5°	442.9	469.0	618.0	966.2	1431.4	1684.8	1741.8	1647.9	1405.3	1240.8	990.3
85°	265.9	279.4	395.5	652.9	1053.3	1336.6	1390.8	1268.8	1023.2	875.2	663.4
87.5°	164.4	170.2	248.6	422.7	738.9	998.1	1056.1	912.0	690.5	583.2	443.9
90°	106.4	111.2	163.5	278.5	488.4	710.8	737.0	620.9	459.4	388.8	300.8
92.5°	71.6	75.4	111.2	184.7	321.1	466.2	485.5	410.0	303.6	259.2	205.1
95°	50.3	53.2	78.3	125.7	208.9	287.3	307.6	265.9	198.3	171.2	141.2
97.5°	38.7	40.7	59.0	90.9	141.2	185.7	193.4	173.0	134.4	118.0	102.4
100°	30.9	32.9	46.4	68.7	101.5	126.7	131.5	119.0	94.7	85.1	75.4
102.5°	27.1	27.1	37.7	54.2	76.4	93.9	94.7	85.1	69.6	62.9	58.0
105°	23.2	23.2	30.9	43.4	60.9	72.5	72.5	62.9	51.3	46.4	44.5
107.5°	19.3	20.3	26.1	34.9	48.4	58.0	56.0	46.4	36.7	33.9	32.9



REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	16.4	17.4	22.3	29.1	39.7	47.4	44.5	35.8	27.1	25.1	25.1
112.5°	14.5	15.6	18.3	25.1	33.9	39.7	35.8	27.1	20.3	19.3	20.3
115°	13.5	13.5	16.4	22.3	29.1	32.9	29.9	22.3	16.4	15.6	16.4
117.5°	11.6	12.6	14.5	19.3	26.1	28.1	25.1	17.4	12.6	12.6	14.5
120°	11.6	11.6	13.5	17.4	23.2	25.1	21.3	14.5	10.6	10.6	12.6
122.5°	10.6	10.6	12.6	16.4	20.3	22.3	18.3	12.6	9.8	9.8	10.6
125°	10.6	10.6	12.6	15.6	18.3	18.3	15.6	10.6	8.7	8.7	9.8
127.5°	11.6	11.6	12.6	14.5	16.4	16.4	13.5	9.8	7.7	7.7	8.7
130°	11.6	11.6	11.6	13.5	14.5	13.5	11.6	8.7	7.7	7.7	8.7
132.5°	11.6	11.6	11.6	11.6	12.6	11.6	9.8	6.8	6.8	6.8	7.7
135°	10.6	10.6	9.8	10.6	10.6	8.7	6.8	4.8	5.8	5.8	6.8
137.5°	8.7	8.7	8.7	8.7	7.7	6.8	4.8	3.9	4.8	5.8	5.8
140°	7.7	7.7	6.8	6.8	5.8	4.8	2.9	3.9	4.8	4.8	4.8
142.5°	5.8	5.8	5.8	4.8	3.9	2.9	1.9	2.9	3.9	3.9	4.8
145°	3.9	3.9	3.9	2.9	1.9	1.0	1.9	1.9	2.9	3.9	3.9
147.5°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.9	2.9	2.9	2.9
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4
2.5°	192.4	191.5	188.6	186.7	184.7	183.8	182.8	182.8	181.8	180.9	180.9
5°	195.3	193.4	188.6	184.7	181.8	179.8	178.0	177.0	175.1	174.0	174.0
7.5°	201.1	198.3	192.4	185.7	180.9	178.0	176.0	174.0	172.2	172.2	172.2
10°	212.7	208.9	200.2	191.5	183.8	179.8	178.0	176.0	176.0	175.1	175.1
12.5°	241.8	236.0	221.5	206.0	192.4	186.7	184.7	189.6	195.3	196.3	199.2
15°	281.5	275.7	257.3	235.0	212.7	200.2	206.9	215.7	225.3	233.0	233.0
17.5°	330.7	324.0	298.9	267.9	240.8	233.0	235.0	247.6	261.1	267.9	268.9
20°	391.7	382.0	347.2	304.7	274.7	263.1	265.9	278.5	297.8	307.6	309.5
22.5°	468.0	453.5	407.2	347.2	310.4	295.0	297.8	313.3	339.5	353.0	357.9
25°	564.8	546.4	475.9	398.5	346.3	323.0	331.7	355.8	388.8	409.0	408.1
27.5°	676.0	647.1	559.0	451.7	382.0	350.0	363.7	397.4	437.1	460.3	463.3
30°	809.5	771.8	649.9	507.7	413.0	374.3	391.7	434.2	478.8	509.7	512.5
32.5°	957.4	913.0	742.8	563.9	438.1	392.7	412.0	465.2	516.5	553.2	554.2
35°	1109.3	1052.2	830.8	612.2	459.4	407.2	427.4	488.4	548.4	590.9	593.9
37.5°	1254.4	1187.6	912.0	644.1	473.0	414.8	436.2	507.7	575.5	620.9	623.8
40°	1363.7	1281.5	962.2	654.8	475.9	418.8	443.9	515.4	575.5	610.2	612.2
42.5°	1501.0	1392.7	999.0	644.1	468.0	418.8	446.9	505.8	552.2	575.5	575.5
45°	1684.8	1551.3	1055.1	631.5	452.7	415.8	439.1	484.6	515.4	527.0	527.0
47.5°	1904.3	1730.2	1112.3	622.9	441.0	409.0	427.4	458.5	474.8	475.9	473.8
50°	2181.9	1956.5	1182.8	610.2	434.2	402.3	416.9	437.1	446.9	442.9	441.0
52.5°	2446.9	2157.7	1233.1	594.8	430.4	399.5	411.1	428.4	431.3	419.8	416.9
55°	2763.0	2393.7	1268.0	569.7	426.5	401.3	411.1	425.6	423.6	408.1	405.3
57.5°	3078.4	2615.1	1298.9	547.4	422.7	404.3	414.8	427.4	423.6	409.0	406.2
60°	3320.2	2767.0	1281.5	524.2	418.8	409.0	421.6	434.2	434.2	422.7	421.6
62.5°	3509.7	2857.9	1239.9	500.0	415.8	413.0	430.4	448.7	452.7	443.9	442.9
65°	3552.2	2821.2	1159.6	476.8	412.0	415.8	442.0	465.2	468.0	459.4	458.5
67°	3452.7	2695.4	1060.9	457.5	406.2	416.9	449.7	474.8	478.8	470.1	467.1
67.5°	3409.1	2646.0	1035.8	452.7	404.3	416.9	450.7	475.9	480.6	472.0	469.0
70°	3075.5	2353.0	901.4	425.6	391.7	412.0	452.7	482.6	485.5	474.8	471.0
72.5°	2548.4	1897.5	745.7	399.5	376.2	399.5	445.9	477.8	476.8	461.3	458.5
75°	2020.3	1487.4	600.6	369.4	355.0	380.1	427.4	455.5	449.7	431.3	427.4
77.5°	1534.9	1112.3	488.4	339.5	330.7	355.0	396.5	416.9	405.3	387.9	383.9
80°	1093.8	800.8	397.4	311.4	304.7	325.9	357.9	368.5	360.8	344.2	339.5
82.5°	765.1	575.5	330.7	283.4	279.4	296.0	316.3	326.9	323.0	308.5	304.7
85°	529.1	402.3	278.5	255.3	253.4	265.0	277.5	284.3	287.3	279.4	274.7
87.5°	355.8	296.0	237.0	224.4	225.3	234.1	242.8	249.5	258.2	257.3	252.4
90°	254.3	221.5	198.3	192.4	194.4	204.1	207.9	211.9	222.5	222.5	219.5
92.5°	181.8	168.3	160.5	158.7	162.5	170.2	172.2	173.0	180.9	181.8	176.0
95°	129.6	122.8	125.7	127.7	131.5	138.3	137.3	134.4	138.3	138.3	133.6
97.5°	95.7	93.9	99.7	101.5	104.5	110.3	107.4	102.4	105.4	101.5	98.7
100°	73.5	73.5	80.3	81.3	83.1	86.1	85.1	81.3	82.2	77.3	75.4
102.5°	58.0	59.0	63.8	64.8	66.7	69.6	67.7	65.8	63.8	58.0	58.0
105°	45.5	46.4	50.3	51.3	53.2	56.0	55.1	52.2	49.2	44.5	44.5
107.5°	34.9	36.7	39.7	40.7	42.5	45.5	44.5	40.7	36.7	33.9	33.9



REPORT NUMBER: P254363

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.1	29.1	31.9	32.9	33.9	36.7	34.9	30.9	28.1	26.1	26.1
112.5°	22.3	23.2	26.1	27.1	28.1	29.9	28.1	24.1	21.3	20.3	20.3
115°	18.3	19.3	21.3	22.3	24.1	24.1	22.3	18.3	16.4	16.4	16.4
117.5°	15.6	16.4	18.3	19.3	19.3	20.3	17.4	14.5	12.6	13.5	13.5
120°	13.5	13.5	15.6	15.6	16.4	16.4	14.5	11.6	9.8	10.6	11.6
122.5°	11.6	11.6	12.6	13.5	13.5	13.5	11.6	9.8	7.7	8.7	9.8
125°	9.8	10.6	10.6	11.6	11.6	11.6	9.8	7.7	6.8	7.7	7.7
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	7.7	5.8	5.8	6.8	6.8
130°	8.7	8.7	8.7	8.7	7.7	6.8	5.8	3.9	4.8	5.8	5.8
132.5°	7.7	7.7	7.7	6.8	5.8	4.8	3.9	2.9	2.9	4.8	4.8
135°	6.8	6.8	5.8	4.8	3.9	2.9	1.9	1.9	1.9	3.9	3.9
137.5°	5.8	5.8	4.8	3.9	2.9	1.9	1.0	0.0	1.0	1.9	1.9
140°	5.8	5.8	4.8	2.9	1.9	1.0	0.0	0.0	0.0	1.0	1.0
142.5°	4.8	4.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.9	3.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	1.9	0.0	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°	1.9	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	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

(END OF REPORT)