

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: P254578

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-T3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8108.1 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 94
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

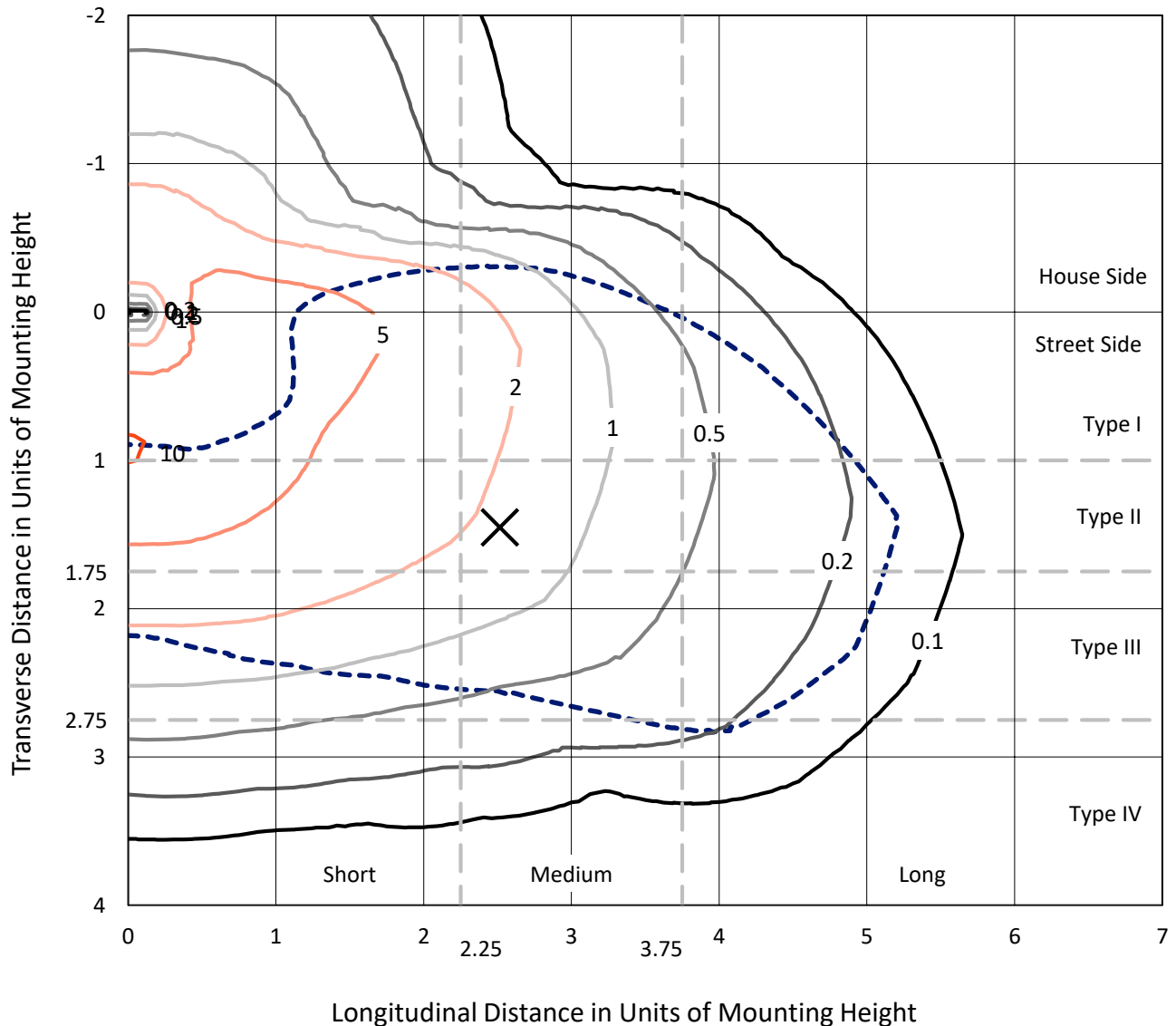


REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

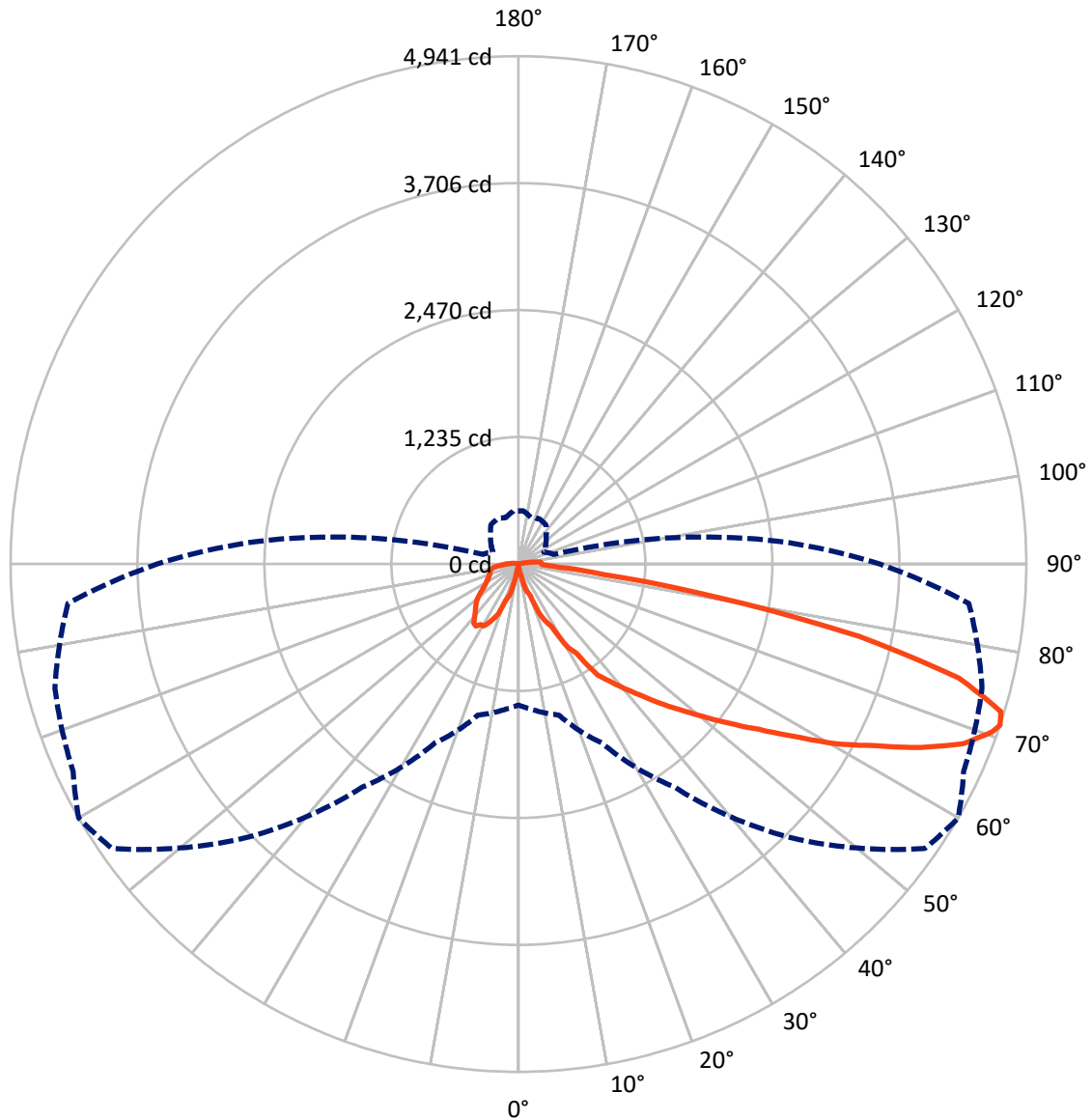


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

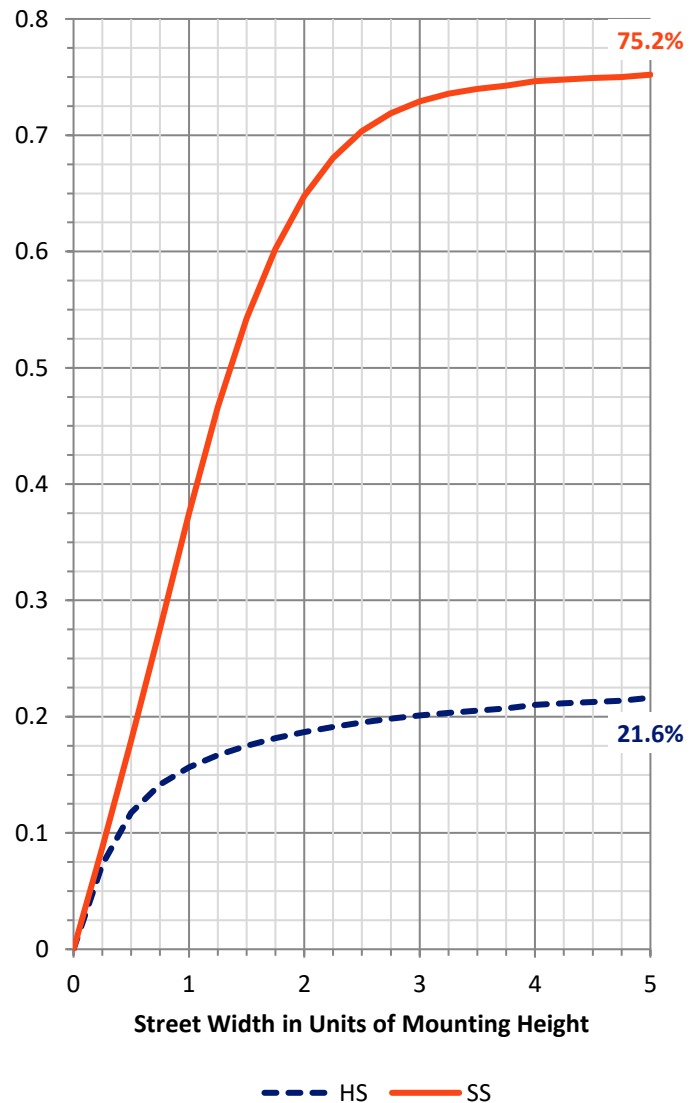
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1841.9	59.8	1901.7
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	6148.1	58.2	6206.3
	% Fixture	75.8	0.7	76.5
Total	Lumens	7990.1	118.0	8108.1
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	72.9	0.9
20°-30°	299.0	3.7
30°-40°	672.3	8.3
40°-50°	1167.0	14.4
50°-60°	1768.3	21.8
60°-70°	2179.2	26.9
70°-80°	1485.2	18.3
80°-90°	341.8	4.2
90°-100°	104.4	1.3
100°-110°	9.8	0.1
110°-120°	1.6	0.0
120°-130°	1.1	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7990.1	98.5
0°-180°	8108.1	100.0



REPORT NUMBER: P254578

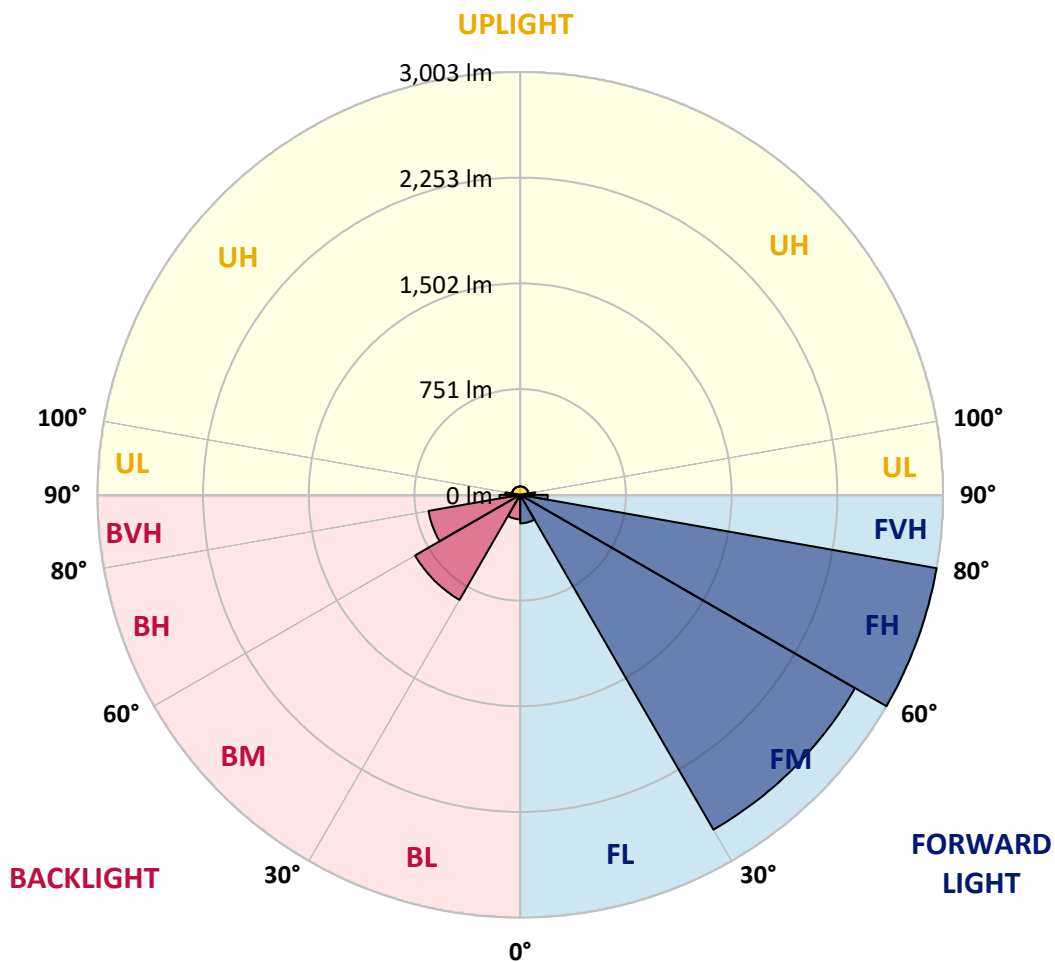
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.5	2.5			
FM	(30°-60°)	2746.2	33.9			
FH	(60°-80°)	3003.4	37.0			G2/5000
FVH	(80°-90°)	196.0	2.4			G2/225
BL	(0°-30°)	173.6	2.1	B1/500		
BM	(30°-60°)	861.4	10.6	B1/1000		
BH	(60°-80°)	661.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	145.8	1.8			G2/225
UL	(90°-100°)	104.4	1.3		U3/500	
UH	(100°-180°)	59.8	0.7		U3/500	

BUG Rating: B2-U3-G2

Type III Medium





REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	4.8	5.7	3.9	4.8	4.8	3.9	2.8	2.8	3.9	3.9	2.8
5°	87.0	87.9	91.7	94.5	32.4	23.0	8.6	5.7	4.8	3.9	3.9
7.5°	109.8	107.9	106.0	100.3	103.1	96.4	57.4	23.9	11.5	4.8	3.9
10°	127.1	127.1	118.4	111.8	110.8	108.9	103.1	94.5	44.9	9.5	6.7
12.5°	232.0	225.4	214.9	176.7	134.7	121.3	118.4	121.3	99.3	98.4	131.7
15°	265.5	267.4	261.6	247.4	239.8	154.7	203.4	253.2	254.0	203.4	229.2
17.5°	344.8	342.8	313.2	285.6	277.9	296.1	297.0	284.6	285.6	254.0	270.3
20°	512.9	517.7	492.9	417.4	338.1	390.6	379.2	329.5	336.2	479.4	494.7
22.5°	601.7	611.3	581.7	550.1	545.4	433.6	490.0	523.5	508.2	565.4	569.2
25°	893.0	867.3	755.5	646.6	660.9	577.9	634.2	617.0	590.3	632.3	731.6
27.5°	972.3	979.1	950.3	895.0	758.4	789.0	719.3	690.5	795.6	887.3	914.1
30°	1152.9	1152.9	1050.6	1029.7	969.4	881.6	940.8	932.2	950.3	964.6	1014.4
32.5°	1400.2	1384.0	1338.2	1179.6	1113.7	1008.7	1085.1	1032.5	1064.0	1259.9	1342.9
35°	1655.3	1654.3	1497.6	1381.1	1246.4	1230.3	1193.8	1329.5	1366.9	1375.3	1457.5
37.5°	1980.0	1982.8	1897.9	1556.0	1417.4	1342.9	1438.4	1447.0	1491.0	1566.4	1592.2
40°	2236.0	2220.7	2111.9	1856.8	1631.4	1525.4	1608.4	1594.1	1669.6	1729.8	1767.0
42.5°	2556.0	2546.4	2396.5	2101.3	1927.5	1758.4	1781.4	1744.1	1798.5	1948.5	1963.8
45°	2856.8	2838.7	2700.3	2385.0	2202.5	2016.3	1966.6	1932.2	1944.7	2114.7	2172.9
47.5°	3058.3	3037.3	2984.9	2675.3	2532.1	2288.6	2186.3	2117.6	2132.8	2322.9	2419.3
50°	3310.5	3240.8	3193.9	2917.0	2814.8	2618.1	2401.2	2334.4	2368.7	2542.6	2692.5
52.5°	3445.2	3350.7	3351.6	3153.9	3057.4	2918.0	2641.1	2576.0	2621.9	2788.1	3005.8
55°	3344.0	3334.4	3417.5	3304.8	3250.4	3130.0	2899.8	2840.6	2916.0	3109.9	3350.7
57.5°	3199.7	3214.1	3385.1	3438.5	3438.5	3342.0	3187.3	3162.5	3243.7	3440.5	3682.0
60°	3034.4	3069.8	3288.6	3442.3	3556.0	3550.3	3497.7	3549.3	3573.3	3760.3	4086.1
62.5°	2791.9	2808.1	3064.0	3375.4	3561.8	3744.2	3824.4	3890.2	3981.1	4134.8	4431.9
65°	2513.9	2533.9	2789.9	3196.0	3530.1	3871.2	4144.3	4303.8	4331.6	4454.8	4681.1
67.5°	2154.8	2176.8	2400.3	2858.8	3406.0	3974.3	4470.1	4665.0	4618.1	4600.9	4740.3
70°	1669.6	1668.6	1826.3	2247.5	2952.3	3934.2	4757.5	4890.3	4769.0	4674.4	4576.1
71°	1371.5	1418.4	1521.6	1919.8	2649.5	3770.9	4826.3	4940.9	4779.5	4668.7	4399.5
72.5°	874.0	928.3	1016.2	1369.7	2114.7	3348.7	4766.1	4907.5	4745.1	4599.0	4044.1
75°	344.8	357.3	422.2	634.2	1147.1	2255.1	4208.3	4423.3	4359.2	4227.5	3241.7
77.5°	208.2	214.9	239.8	317.1	526.3	1043.0	3073.7	3386.0	3498.7	3437.6	2231.2
80°	156.7	163.4	185.3	223.6	351.5	433.6	1623.7	1945.6	2223.5	2220.7	1252.2
82.5°	119.4	123.3	144.2	157.6	261.6	299.9	612.3	828.0	1077.4	1077.4	620.8
85°	110.8	110.8	117.5	106.0	173.8	214.9	364.0	398.2	421.2	447.0	361.9
87.5°	43.9	42.9	56.4	54.4	76.4	141.4	230.2	240.7	225.4	273.1	312.4
90°	29.6	30.6	23.9	23.9	42.1	129.9	210.1	220.6	207.3	246.4	320.9
92.5°	28.6	29.6	22.0	22.0	31.4	107.9	219.7	223.6	212.9	254.0	326.6
95°	25.7	26.8	18.1	18.1	24.8	65.9	204.5	210.1	182.5	205.4	261.6
97.5°	20.1	21.0	12.4	13.3	19.1	24.8	122.3	130.9	102.1	96.4	113.6
100°	13.3	14.3	7.6	9.5	11.5	11.5	46.8	50.6	45.9	24.8	14.3
102.5°	12.4	13.3	5.7	5.7	5.7	3.9	9.5	15.3	8.6	10.5	12.4
105°	11.5	13.3	3.9	2.8	1.8	1.8	2.8	3.9	4.8	6.7	13.3
107.5°	7.6	8.6	1.8	1.8	1.0	1.8	1.8	1.8	2.8	4.8	12.4



REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.9	3.9	1.0	1.0	0.0	1.0	1.0	1.8	2.8	3.9	5.7
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8	4.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.8	2.8	4.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.8	4.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.8	4.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.8	4.8
125°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	4.8
127.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.9
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.8
140°	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.8
142.5°	1.8	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.8	1.8
145°	1.8	1.8	1.0	1.0	0.0	0.0	1.0	1.0	1.8	1.8	1.8
147.5°	2.8	2.8	1.0	0.0	0.0	0.0	1.0	1.0	1.8	1.8	2.8
150°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.8	2.8	2.8	2.8	1.8	1.0	1.0	1.0	1.0	1.0	1.0
5°	2.8	2.8	2.8	2.8	2.8	1.8	3.9	5.7	6.7	7.6	7.6
7.5°	3.9	3.9	3.9	3.9	3.9	7.6	47.7	106.0	121.3	129.9	127.1
10°	6.7	6.7	5.7	6.7	23.9	118.4	144.2	154.7	156.7	163.4	169.1
12.5°	141.4	121.3	57.4	32.4	122.3	153.7	166.2	174.9	184.3	229.2	205.4
15°	234.1	238.7	234.1	257.9	288.5	173.8	206.3	315.2	342.0	349.6	347.7
17.5°	277.0	271.3	271.3	330.5	342.0	340.1	328.6	351.5	358.2	369.7	365.8
20°	515.8	517.7	486.2	383.9	364.8	457.5	367.7	366.8	437.5	502.4	504.3
22.5°	575.0	579.7	564.6	569.2	477.6	472.8	461.3	484.2	512.0	524.3	520.5
25°	780.3	726.9	629.5	586.5	578.8	483.3	544.4	499.6	503.3	510.0	514.8
27.5°	945.6	938.9	875.8	715.4	578.8	586.5	524.3	515.8	573.1	578.8	579.7
30°	1023.9	1006.8	936.1	752.7	635.2	561.6	511.0	551.1	542.5	548.3	548.3
32.5°	1364.8	1357.2	1201.6	772.7	615.1	519.6	523.5	522.5	572.1	588.4	584.5
35°	1456.7	1442.2	1212.1	877.8	583.6	524.3	492.9	530.1	530.1	536.8	535.0
37.5°	1570.3	1546.3	1229.2	840.5	602.7	492.9	482.4	492.9	519.6	527.2	522.5
40°	1727.0	1672.4	1215.0	778.5	562.5	488.1	464.3	483.3	481.4	471.9	467.1
42.5°	1890.1	1825.2	1215.9	721.1	531.1	481.4	458.5	454.6	448.9	433.6	430.8
45°	2102.2	1974.4	1230.3	681.0	504.3	477.6	452.8	435.5	426.9	411.7	408.8
47.5°	2343.9	2133.9	1225.5	648.6	477.6	466.1	435.5	419.3	414.5	393.6	390.6
50°	2587.5	2288.6	1229.2	604.6	447.0	453.7	430.8	407.9	399.3	375.5	374.4
52.5°	2872.1	2449.9	1204.5	541.6	411.7	437.5	433.6	410.7	410.7	375.5	372.5
55°	3153.9	2647.7	1183.4	474.7	387.8	424.0	439.3	430.8	428.9	380.1	377.3
57.5°	3431.9	2817.7	1115.6	416.5	372.5	412.7	452.8	444.1	438.4	399.3	390.6
60°	3731.7	3040.2	987.6	370.6	364.0	403.0	456.6	455.6	423.2	419.3	414.5
62.5°	3957.2	3169.2	822.4	340.1	351.5	400.2	454.6	454.6	426.9	426.0	424.0
65°	4064.1	3185.5	621.8	316.2	339.0	395.4	448.0	466.1	444.1	447.0	443.1
67.5°	4009.7	3062.2	468.0	295.1	327.6	391.5	448.9	479.4	459.4	489.1	484.2
70°	3722.1	2745.0	384.9	280.8	323.9	384.9	462.2	483.3	470.0	517.7	512.0
71°	3513.0	2540.8	359.1	272.2	323.9	381.1	465.1	484.2	468.0	520.5	515.8
72.5°	3158.6	2180.6	331.4	259.8	321.9	379.2	465.1	483.3	473.7	532.9	524.3
75°	2380.2	1496.8	297.0	253.2	320.0	373.4	455.6	474.7	466.1	511.0	509.0
77.5°	1525.4	874.9	265.5	252.2	312.4	370.6	443.1	457.5	442.3	480.4	478.5
80°	839.5	502.4	235.9	235.9	297.0	364.0	424.0	426.9	411.7	441.3	428.9
82.5°	498.6	356.3	195.8	207.3	275.2	345.8	403.0	389.7	373.4	427.9	364.0
85°	336.2	277.0	134.7	159.5	247.4	299.9	359.1	338.1	310.4	312.4	297.9
87.5°	278.9	220.6	70.7	104.2	192.0	219.7	266.5	245.5	216.8	212.9	200.6
90°	277.0	214.9	56.4	93.6	153.7	170.0	206.3	186.3	170.0	176.7	167.1
92.5°	278.9	212.9	58.2	80.2	126.0	128.0	169.1	161.3	147.1	149.9	140.4
95°	223.6	167.1	56.4	64.0	71.7	67.8	104.2	104.2	89.8	85.0	79.3
97.5°	93.6	83.1	52.6	51.6	50.6	37.2	60.2	68.8	46.8	31.4	27.8
100°	14.3	23.9	43.9	48.7	35.3	22.0	38.2	43.9	24.8	4.8	3.9
102.5°	14.3	12.4	18.1	36.3	21.0	5.7	15.3	24.8	12.4	2.8	3.9
105°	15.3	12.4	7.6	19.1	4.8	1.8	1.0	6.7	1.8	2.8	2.8
107.5°	14.3	11.5	4.8	3.9	2.8	1.0	0.0	0.0	0.0	2.8	3.9



REPORT NUMBER: P254578

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.6	6.7	4.8	2.8	1.8	1.0	0.0	0.0	0.0	2.8	3.9
112.5°	4.8	5.7	3.9	2.8	1.0	1.0	0.0	0.0	0.0	3.9	4.8
115°	5.7	5.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	3.9	4.8
117.5°	5.7	5.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	3.9	4.8
120°	5.7	5.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	3.9	4.8
122.5°	5.7	5.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	2.8	3.9
125°	4.8	4.8	3.9	1.8	0.0	0.0	0.0	0.0	0.0	2.8	3.9
127.5°	4.8	4.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	2.8
130°	4.8	4.8	2.8	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8
132.5°	3.9	3.9	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	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)