

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: P254629

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
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-T4W-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6090.1 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - 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

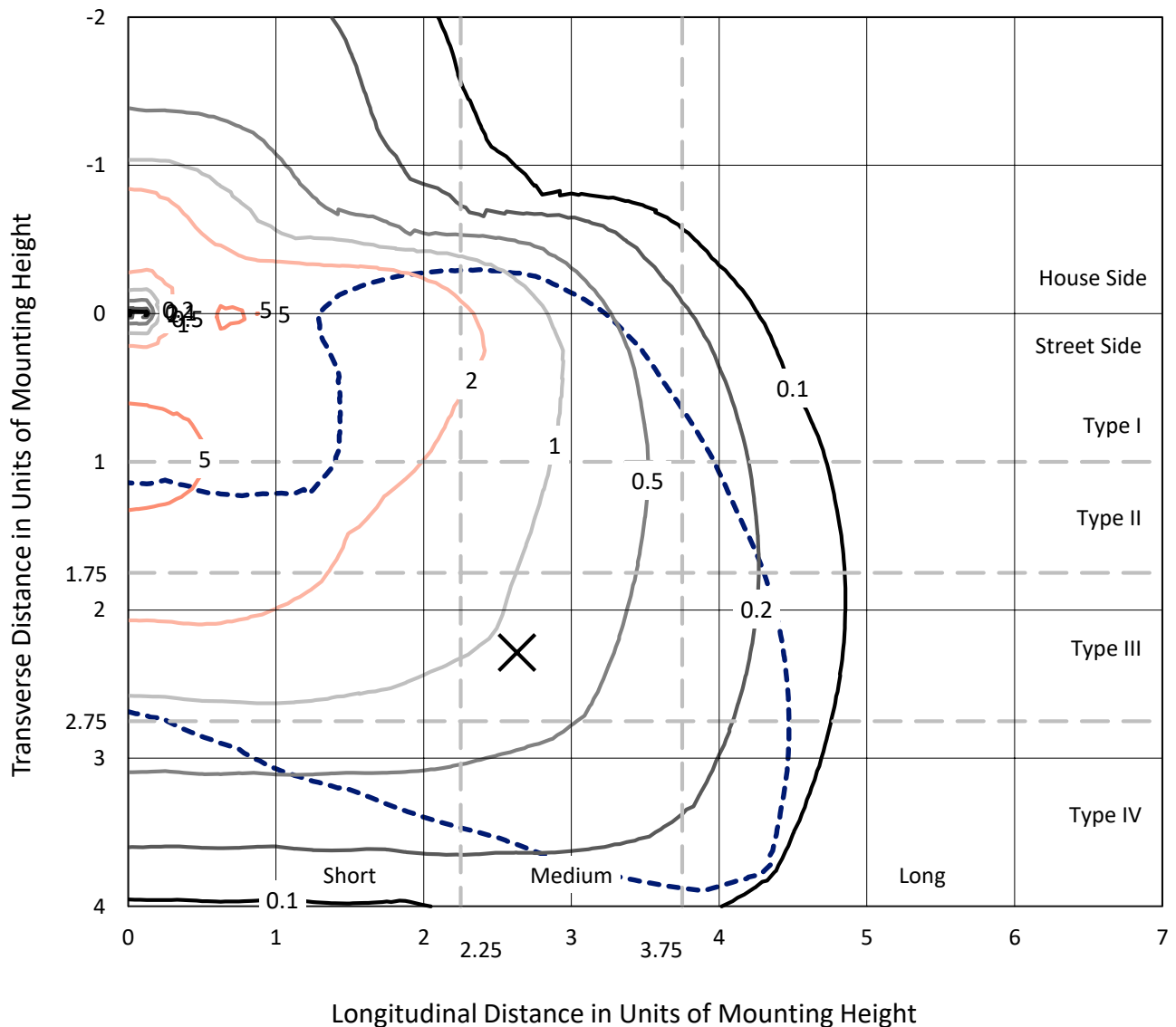


REPORT NUMBER: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

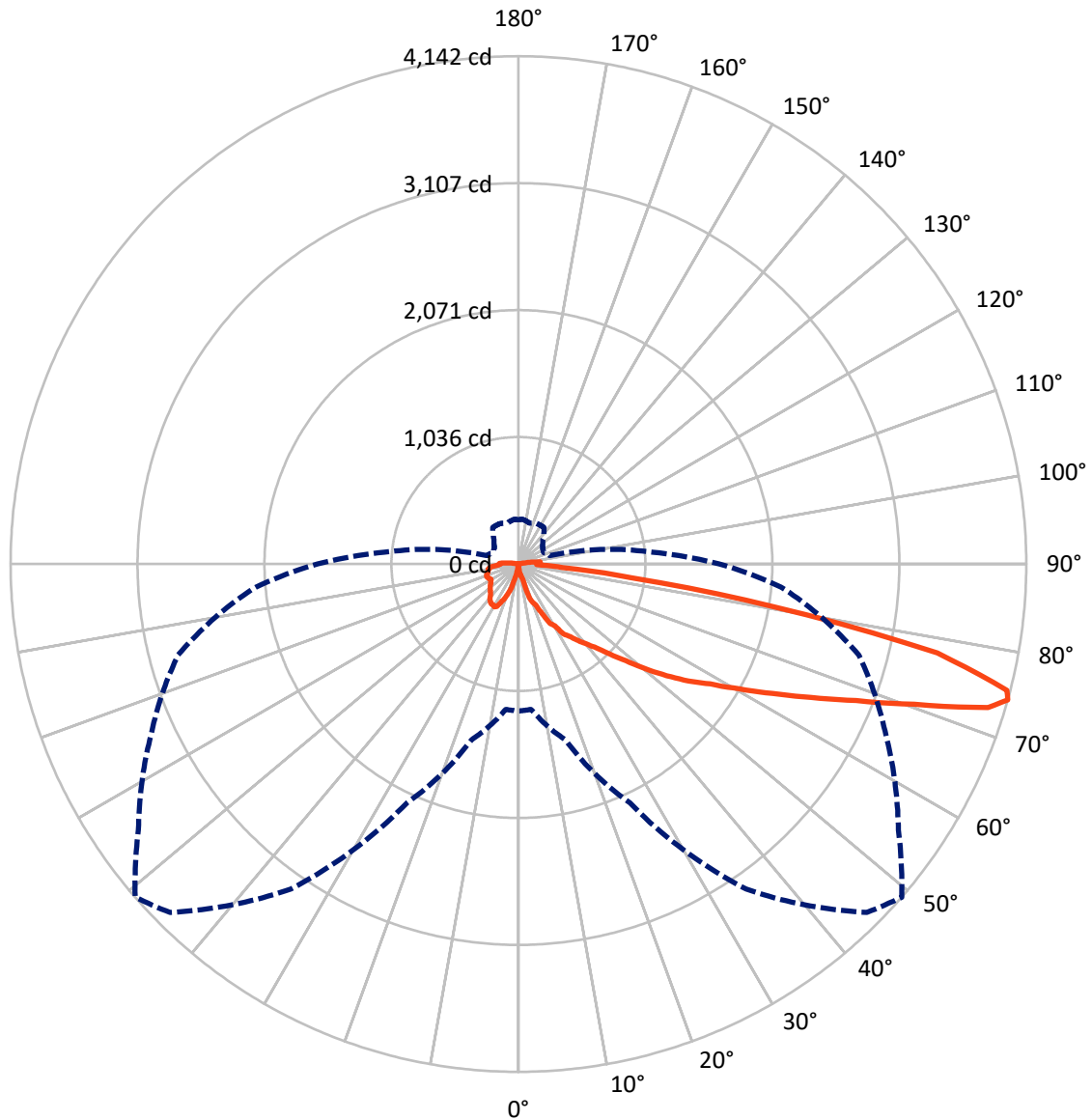
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254629
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



REPORT NUMBER: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

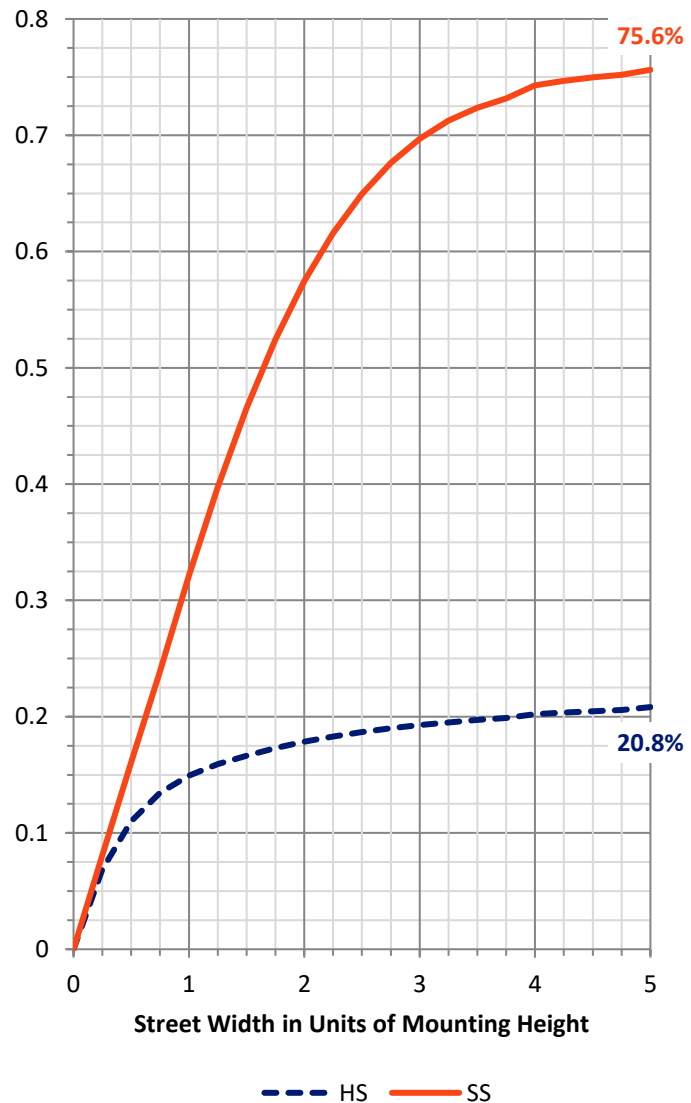
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1343.1	57.7	1400.8
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	4641.0	48.3	4689.3
	% Fixture	76.2	0.8	77.0
Total	Lumens	5984.0	106.0	6090.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	54.8	0.9
20°-30°	207.8	3.4
30°-40°	441.7	7.3
40°-50°	726.1	11.9
50°-60°	1171.1	19.2
60°-70°	1692.1	27.8
70°-80°	1389.1	22.8
80°-90°	297.9	4.9
90°-100°	95.9	1.6
100°-110°	7.6	0.1
110°-120°	1.1	0.0
120°-130°	0.8	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5984.0	98.3
0°-180°	6090.1	100.0

Coefficient of Utilization



REPORT NUMBER: P254629

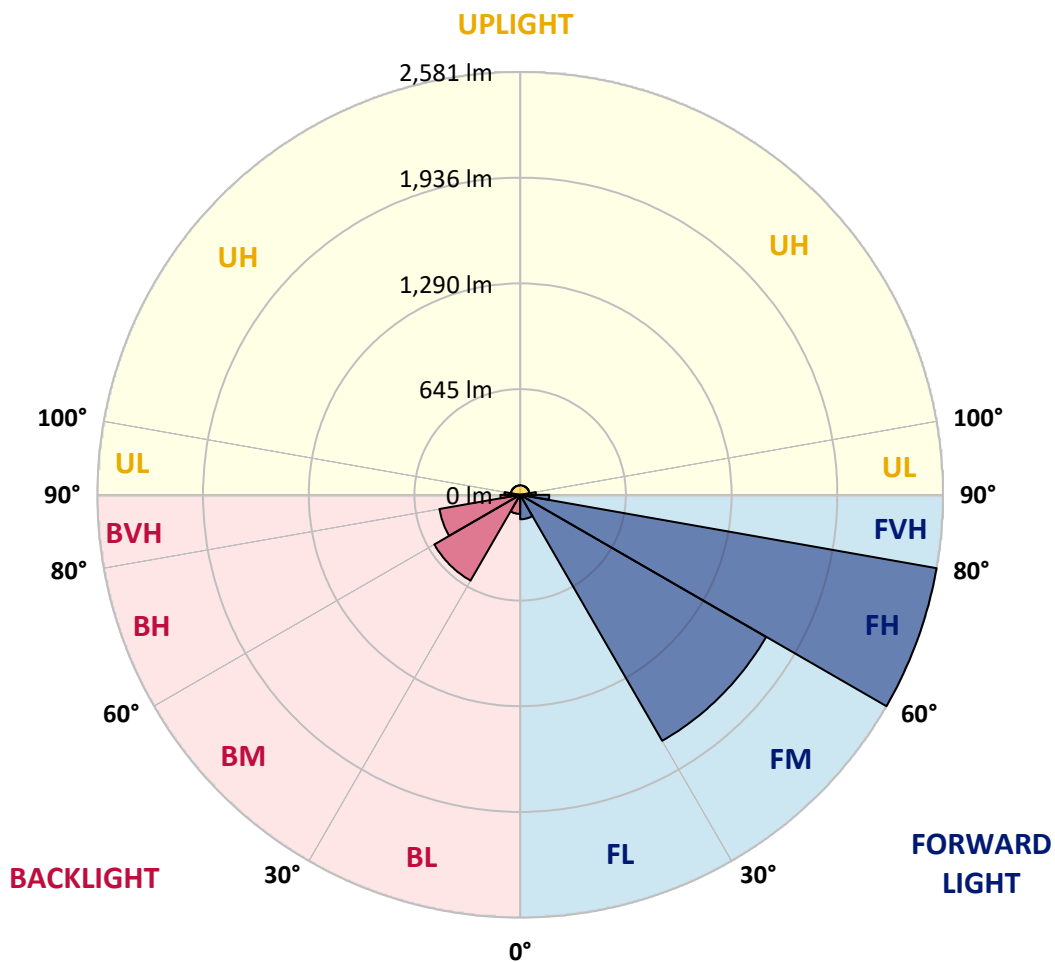
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.2	2.5			
FM (30°-60°)	1733.6	28.5			
FH (60°-80°)	2580.7	42.4			G2/5000
FVH (80°-90°)	177.3	2.9			G2/225
BL (0°-30°)	116.8	1.9	B1/500		
BM (30°-60°)	605.2	9.9	B1/1000		
BH (60°-80°)	500.5	8.2	B2/1000		G2/1000
BVH (80°-90°)	120.6	2.0			G2/225
UL (90°-100°)	95.9	1.6		U3/500	
UH (100°-180°)	57.7	0.9		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





REPORT NUMBER: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.0	4.4	3.6	2.8	2.8	2.1	2.1	2.1	2.8	2.8	2.8
5°	81.0	80.2	72.9	69.4	28.2	17.4	15.2	9.4	3.6	2.8	2.8
7.5°	96.1	94.7	92.6	96.8	90.3	78.7	72.3	41.9	11.6	3.6	2.8
10°	127.2	125.7	114.9	112.0	101.9	93.2	88.2	82.4	34.8	7.2	5.0
12.5°	240.7	232.7	226.2	191.5	129.4	104.8	104.2	97.6	81.7	73.8	89.6
15°	271.7	264.5	253.7	251.6	229.9	138.8	127.2	175.6	208.1	156.1	159.7
17.5°	307.9	311.5	297.0	266.7	247.9	265.3	292.0	258.1	228.4	190.1	193.0
20°	433.6	430.8	419.2	384.5	314.4	341.9	332.4	326.6	266.7	351.3	341.1
22.5°	450.2	449.6	443.8	422.9	451.8	364.3	361.4	402.6	396.8	404.0	389.6
25°	590.5	596.3	577.6	453.2	475.6	465.5	448.8	489.3	443.8	447.4	498.7
27.5°	618.7	615.7	605.8	580.3	503.0	551.4	547.2	519.0	576.1	607.2	610.8
30°	778.5	758.1	654.8	631.0	607.2	577.6	585.4	618.0	643.3	634.6	670.0
32.5°	855.7	850.7	834.0	740.1	656.9	639.6	681.6	693.1	678.7	803.7	865.2
35°	1113.8	1090.6	957.6	820.3	732.1	722.8	727.1	726.3	825.5	847.9	932.4
37.5°	1436.9	1406.5	1301.8	1006.1	799.3	756.7	792.9	829.8	863.7	928.8	993.8
40°	1626.3	1610.4	1526.5	1243.9	932.4	823.3	858.7	876.7	921.5	975.0	1084.2
42.5°	1771.5	1770.1	1717.3	1411.6	1113.8	928.8	935.3	937.5	970.7	1057.4	1186.8
45°	1870.5	1869.1	1878.5	1569.2	1287.3	1048.8	1049.4	1023.4	1047.2	1160.0	1329.1
47.5°	1993.4	1971.7	1993.4	1736.1	1437.7	1191.2	1178.2	1117.4	1167.3	1302.5	1527.2
50°	2116.3	2096.0	2104.7	1866.9	1586.5	1364.6	1341.4	1260.6	1329.1	1481.7	1772.1
52.5°	2276.8	2250.7	2211.7	2005.0	1788.1	1545.3	1512.8	1447.0	1510.6	1707.1	2081.6
55°	2394.5	2375.8	2362.7	2200.8	1930.5	1705.7	1683.3	1608.9	1780.9	1959.4	2411.9
57.5°	2486.3	2493.6	2533.2	2440.9	2198.0	1882.1	1845.9	1814.9	2036.0	2258.0	2766.0
60°	2583.2	2569.4	2667.0	2664.2	2424.1	2059.2	2066.4	2062.0	2296.3	2542.7	3177.3
62.5°	2577.4	2588.3	2763.9	2822.3	2618.6	2295.5	2323.7	2315.8	2563.0	2826.0	3482.3
65°	2343.9	2375.8	2758.1	2891.8	2859.4	2575.2	2622.2	2615.6	2871.6	3067.5	3675.3
67.5°	2190.7	2231.2	2591.8	2948.2	3087.6	2933.7	2971.3	2947.5	3092.0	3201.9	3676.0
70°	2030.2	2058.5	2379.3	2970.6	3334.1	3401.3	3425.2	3277.8	3275.6	3278.6	3374.6
72.5°	1652.2	1655.9	1946.5	2626.6	3441.1	3907.9	4004.2	3680.4	3370.9	3134.6	2711.2
74°	1199.1	1189.8	1486.0	2148.8	3235.8	4018.7	4142.2	3783.0	3307.4	2874.5	2148.8
75°	865.2	889.7	1109.4	1738.4	2920.0	3988.3	4114.7	3762.1	3175.8	2610.6	1747.7
77.5°	275.4	284.7	361.4	732.1	1788.1	3268.4	3492.5	3161.4	2418.4	1649.4	903.5
80°	147.5	153.9	193.0	287.7	750.3	1897.3	2114.8	1836.5	1342.9	829.1	494.4
82.5°	88.2	92.6	126.5	173.5	388.9	787.9	932.4	763.9	654.1	477.0	345.5
85°	57.2	58.6	73.8	107.0	252.3	310.1	363.5	374.4	372.9	334.7	277.5
87.5°	31.8	32.6	34.8	45.6	115.6	162.6	148.1	181.4	216.9	215.3	245.8
90°	22.4	22.4	18.8	20.2	63.6	163.4	148.9	159.7	143.7	169.2	253.7
92.5°	21.0	21.7	17.4	18.0	50.6	160.5	179.3	178.5	147.5	177.1	255.1
95°	17.4	18.8	13.7	15.2	31.8	137.3	177.8	177.1	130.1	140.2	181.4
97.5°	13.7	14.4	9.4	11.6	18.8	70.2	107.0	101.9	68.7	59.2	70.8
100°	8.6	9.4	5.0	7.9	11.6	23.2	38.4	40.4	31.8	14.4	8.6
102.5°	8.6	9.4	3.6	5.0	5.0	6.5	8.6	7.2	10.2	5.0	7.2
105°	8.6	9.4	2.8	2.1	1.4	2.1	1.4	2.1	3.6	4.4	8.6
107.5°	6.5	7.2	1.4	1.4	0.8	1.4	1.4	1.4	2.1	3.6	7.9



REPORT NUMBER: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.4	4.4	0.8	0.8	0.0	1.4	1.4	1.4	2.1	2.8	4.4
112.5°	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	2.1	2.1	2.8
115°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.4	2.1	3.6
117.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1	3.6
120°	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.6
122.5°	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.6
125°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.6
127.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	2.8
130°	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	2.8
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
142.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	1.4
145°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.4	1.4	2.1
147.5°	1.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.4	2.1	2.1
150°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.1	2.1	1.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.1	2.1	1.4	1.4	0.8	0.8	1.4	2.1	3.6	5.0	5.0
7.5°	2.8	2.1	2.1	2.1	2.1	10.2	36.8	64.4	81.0	86.8	85.3
10°	5.0	4.4	4.4	4.4	21.7	70.8	94.7	96.8	104.2	105.6	104.8
12.5°	108.3	92.6	57.8	27.5	75.9	99.0	103.4	110.6	115.6	151.8	159.0
15°	160.5	158.3	153.9	162.6	176.4	113.5	139.6	186.5	211.1	220.4	223.3
17.5°	192.3	189.3	177.1	205.3	217.5	215.3	208.1	223.3	226.9	235.7	234.9
20°	349.1	341.9	305.1	242.1	227.7	286.3	234.9	235.7	292.7	326.6	323.9
22.5°	385.2	381.7	361.4	355.6	306.5	302.8	314.4	322.4	347.7	359.9	358.5
25°	500.2	495.8	401.8	368.6	373.6	320.9	375.1	350.5	361.4	393.9	389.6
27.5°	620.1	610.0	536.3	449.6	374.4	399.1	378.0	413.4	450.2	469.9	472.0
30°	678.0	659.9	573.8	472.6	410.5	394.7	397.4	451.0	457.5	474.1	477.8
32.5°	895.5	880.3	731.5	485.6	411.3	377.3	417.8	440.9	510.2	546.4	549.3
35°	957.0	943.9	737.9	544.9	396.8	391.0	395.4	459.0	494.4	520.4	524.8
37.5°	1023.4	1001.1	750.3	511.8	408.4	364.3	382.3	417.1	478.4	523.3	534.9
40°	1117.4	1077.0	743.0	477.0	379.4	355.6	354.1	395.4	422.1	443.8	447.4
42.5°	1237.4	1168.0	747.4	444.4	353.5	331.0	336.8	355.6	365.0	366.4	366.4
45°	1384.9	1281.5	766.1	417.8	331.7	319.5	321.7	326.6	328.1	310.9	308.6
47.5°	1583.6	1427.5	782.1	396.8	315.9	311.5	305.1	307.9	302.1	278.9	276.1
50°	1819.1	1601.6	795.7	372.2	301.4	300.7	299.3	288.3	278.3	256.5	253.7
52.5°	2071.4	1807.7	803.0	345.5	289.9	292.0	293.5	275.4	260.9	244.3	242.9
55°	2401.1	2047.6	820.3	320.9	276.1	280.5	288.3	270.3	256.5	245.8	252.3
57.5°	2726.3	2313.6	805.9	298.5	265.9	269.6	281.9	274.7	268.1	268.1	269.6
60°	3041.4	2544.2	716.3	280.5	256.5	260.9	287.0	299.9	299.3	312.9	316.6
62.5°	3253.2	2664.2	584.0	264.5	248.7	265.3	310.9	341.1	336.1	341.9	344.7
65°	3339.2	2656.9	445.2	252.9	243.5	284.1	338.2	367.8	349.1	336.1	333.2
67.5°	3248.2	2497.2	361.4	243.5	243.5	301.4	361.4	369.3	349.1	349.8	344.7
70°	2878.8	2125.0	310.9	234.2	247.2	298.5	372.9	367.2	349.8	362.0	354.9
72.5°	2160.4	1514.3	278.9	227.7	245.8	287.0	366.4	366.4	352.1	375.9	368.6
74°	1638.6	1097.2	265.3	225.5	238.5	281.2	364.3	362.8	346.3	367.2	359.9
75°	1290.9	838.4	256.5	222.6	234.2	277.5	360.7	359.3	343.3	365.7	359.9
77.5°	659.9	438.0	236.3	217.5	223.3	272.5	351.3	352.1	331.7	352.7	348.4
80°	420.6	331.7	210.4	200.9	215.3	273.2	345.5	341.9	318.7	341.9	331.7
82.5°	335.3	273.9	170.6	174.2	205.3	268.9	341.9	325.3	302.1	336.8	302.1
85°	268.9	230.5	117.8	128.7	182.1	247.2	325.9	291.2	267.4	272.5	268.1
87.5°	226.9	186.5	55.6	83.8	142.4	189.3	242.1	225.5	207.5	216.2	206.7
90°	229.9	179.3	39.8	64.4	128.7	157.6	193.0	169.2	159.0	161.9	156.1
92.5°	223.3	171.3	40.4	53.5	125.7	172.7	203.8	172.7	152.5	146.7	141.7
95°	151.1	118.5	37.5	41.9	80.2	135.9	164.8	130.8	106.2	94.0	90.3
97.5°	57.8	52.0	32.6	34.8	41.9	72.3	95.4	83.8	57.2	41.2	39.0
100°	8.6	14.4	26.8	32.6	24.6	27.5	39.8	44.8	29.0	2.8	2.1
102.5°	9.4	7.9	10.8	24.6	14.4	5.8	12.2	24.6	16.0	1.4	1.4
105°	10.8	8.6	4.4	10.8	3.6	0.8	0.8	5.0	3.6	0.8	1.4
107.5°	9.4	7.9	2.8	2.1	0.8	0.8	0.0	0.0	0.0	0.8	1.4



REPORT NUMBER: P254629

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.0	5.0	2.8	1.4	0.8	0.8	0.0	0.0	0.0	1.4	1.4
112.5°	3.6	3.6	2.1	1.4	0.8	0.0	0.0	0.0	0.0	1.4	2.1
115°	4.4	3.6	2.1	0.8	0.0	0.0	0.0	0.0	0.0	2.1	2.1
117.5°	4.4	4.4	2.1	0.8	0.0	0.0	0.0	0.0	0.0	2.1	2.8
120°	4.4	4.4	2.1	0.8	0.0	0.0	0.0	0.0	0.0	2.1	2.1
122.5°	4.4	3.6	2.1	0.8	0.0	0.0	0.0	0.0	0.0	1.4	2.1
125°	3.6	3.6	2.1	0.8	0.0	0.0	0.0	0.0	0.0	1.4	1.4
127.5°	3.6	3.6	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.4
130°	2.8	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
132.5°	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	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

(END OF REPORT)