

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: P255276

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.7 lumens
Efficiency: N/A
Efficacy: 97.4 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): 54
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

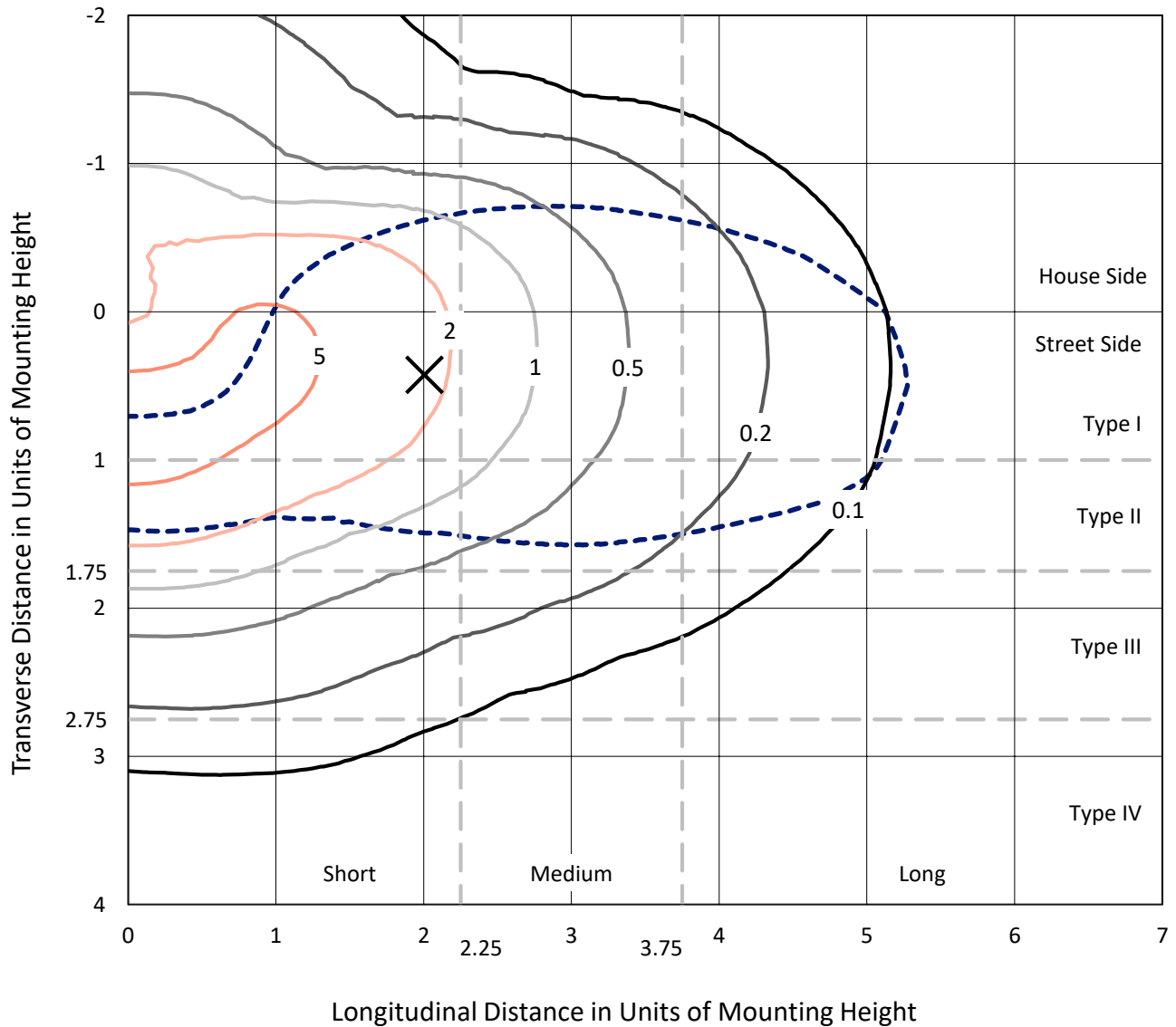


REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

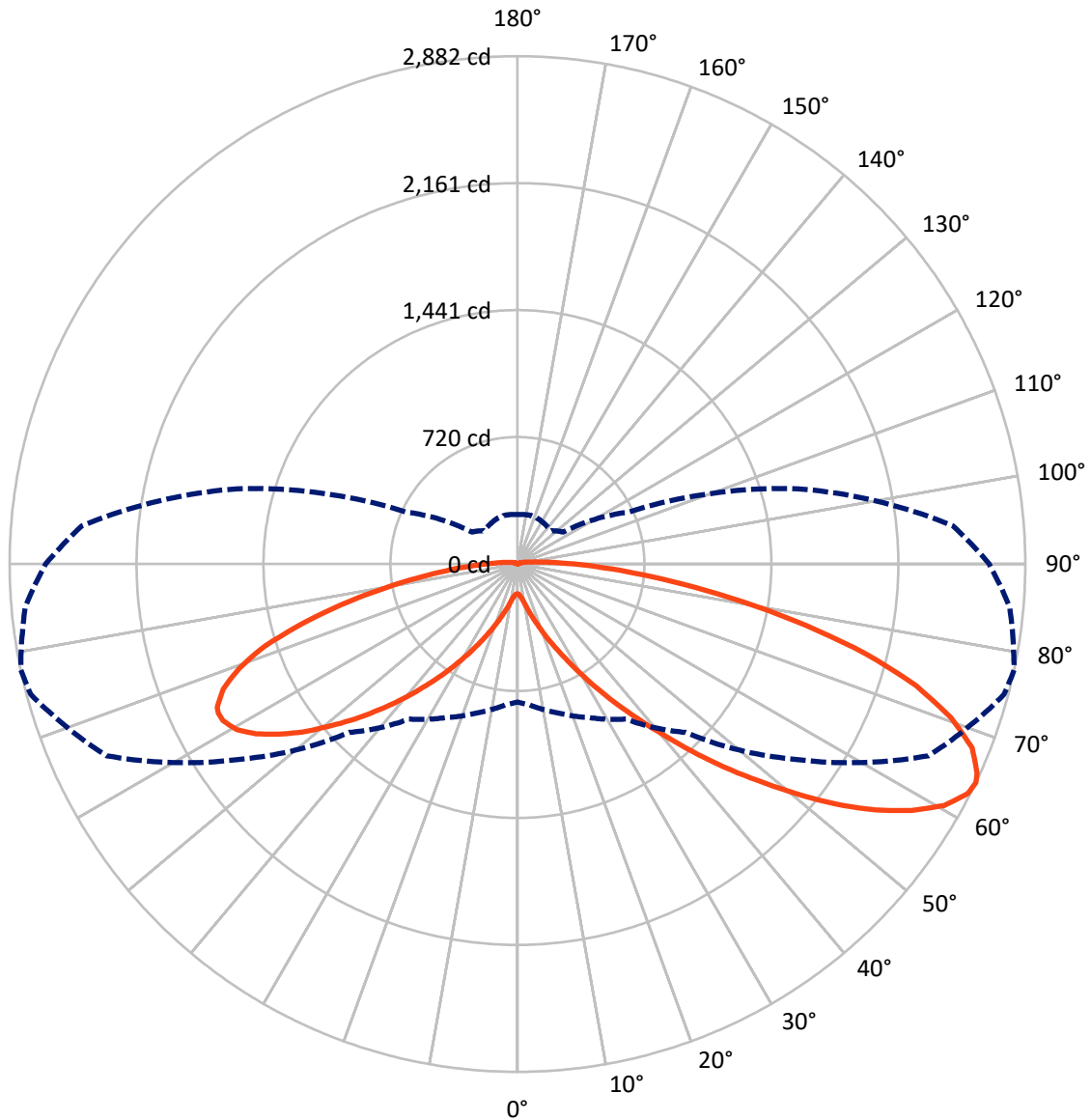


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

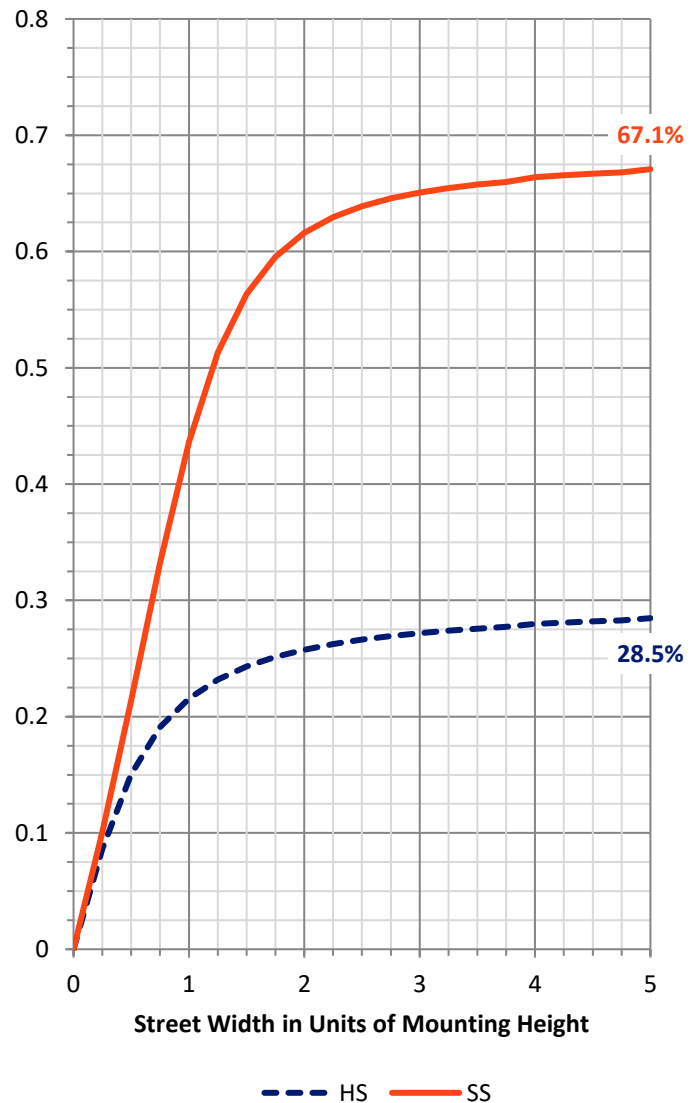
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1544.4	71.1	1615.5
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	3576.8	67.4	3644.2
	% Fixture	68.0	1.3	69.3
Total	Lumens	5121.2	138.5	5259.7
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.4
10°-20°	85.3	1.6
20°-30°	237.7	4.5
30°-40°	516.4	9.8
40°-50°	891.9	17.0
50°-60°	1180.9	22.5
60°-70°	1152.0	21.9
70°-80°	748.8	14.2
80°-90°	289.8	5.5
90°-100°	83.6	1.6
100°-110°	31.8	0.6
110°-120°	13.8	0.3
120°-130°	6.0	0.1
130°-140°	2.5	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5121.2	97.4
0°-180°	5259.7	100.0

Coefficient of Utilization



REPORT NUMBER: P255276

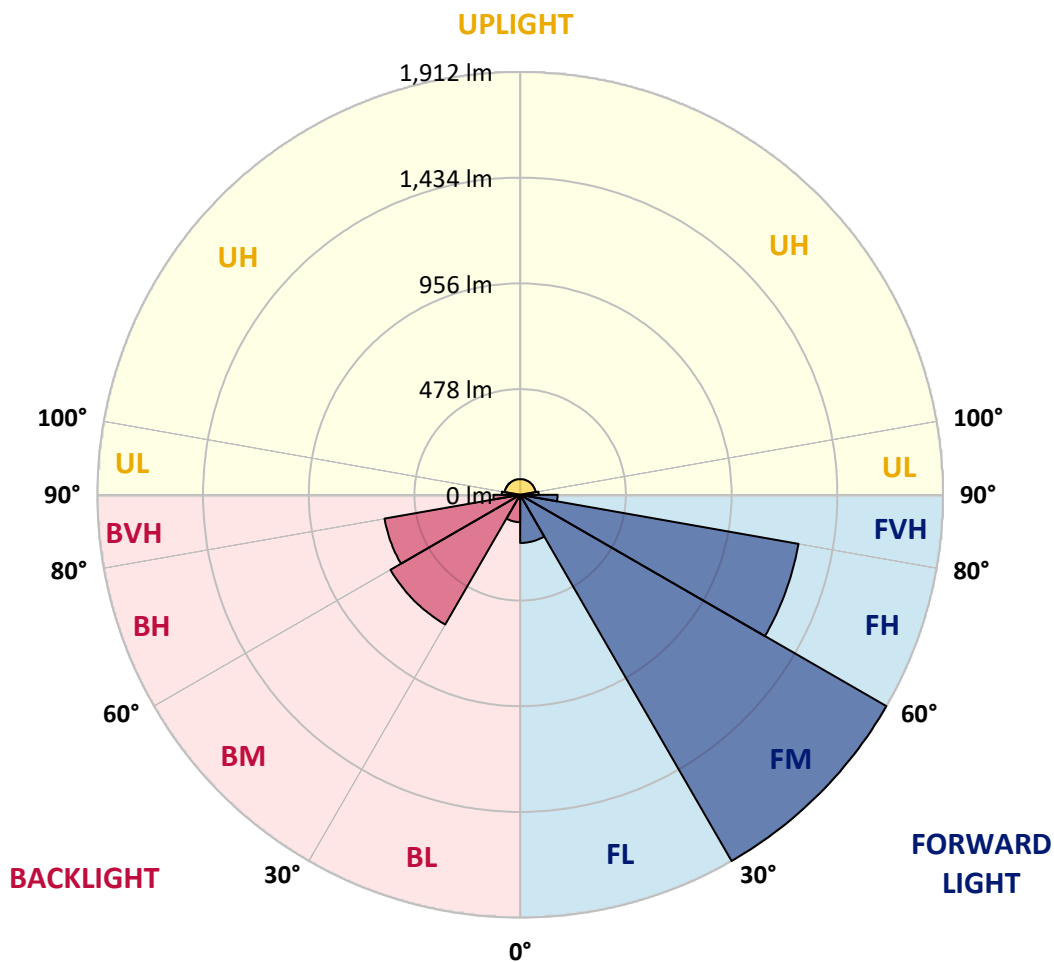
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.7	4.1			
FM (30°-60°)	1912.1	36.4			
FH (60°-80°)	1278.1	24.3			G1/1800
FVH (80°-90°)	169.0	3.2			G2/225
BL (0°-30°)	123.7	2.4	B1/500		
BM (30°-60°)	677.2	12.9	B1/1000		
BH (60°-80°)	622.7	11.8	B2/1000		G2/1000
BVH (80°-90°)	120.8	2.3			G2/225
UL (90°-100°)	83.6	1.6		U3/500	
UH (100°-180°)	71.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	183.2	182.7	182.7	183.2	181.4	180.8	178.8	176.4	174.5	173.9	172.0
5°	203.3	202.0	200.8	201.4	199.5	196.4	193.3	189.6	186.4	185.2	182.0
7.5°	227.0	228.4	225.8	224.5	222.1	218.9	213.3	208.9	204.6	202.6	199.5
10°	264.6	265.2	260.8	261.4	253.9	250.2	244.5	237.1	232.0	228.9	224.5
12.5°	315.9	315.2	310.3	308.3	299.1	292.2	283.3	274.6	269.6	265.8	258.3
15°	378.5	377.2	374.0	366.6	352.2	343.4	332.8	319.6	312.7	307.8	299.6
17.5°	452.3	452.9	446.7	436.6	417.3	404.7	389.1	371.6	361.5	354.6	346.0
20°	544.2	544.7	533.5	519.2	494.2	476.6	450.3	434.1	418.5	414.7	401.0
22.5°	653.7	653.1	636.1	617.4	583.6	557.3	528.6	502.3	484.1	479.1	464.2
25°	778.2	776.9	756.2	736.2	685.5	651.1	613.6	581.0	562.9	553.0	536.0
27.5°	924.5	922.0	894.5	865.7	801.3	750.6	704.9	674.2	651.7	638.6	619.8
30°	1082.1	1079.6	1046.4	999.5	930.2	872.0	811.9	776.3	750.6	740.6	715.0
32.5°	1252.2	1247.2	1208.5	1151.6	1069.6	995.8	935.1	894.5	863.1	853.2	820.0
35°	1424.8	1417.9	1376.7	1310.4	1215.9	1135.3	1073.4	1030.9	992.1	978.9	938.9
37.5°	1590.6	1581.3	1548.7	1464.9	1369.2	1294.1	1224.7	1171.6	1128.9	1117.1	1064.6
40°	1722.0	1716.4	1686.3	1605.7	1514.4	1438.6	1385.5	1342.9	1289.1	1271.0	1214.8
42.5°	1822.1	1816.4	1793.3	1726.4	1645.0	1593.1	1548.7	1518.0	1471.8	1452.4	1373.0
45°	1874.1	1865.8	1855.9	1807.7	1752.0	1726.4	1720.8	1709.5	1664.4	1641.9	1549.4
47.5°	1862.1	1858.4	1867.8	1838.3	1816.4	1839.0	1887.1	1909.7	1857.7	1837.0	1739.5
50°	1787.1	1792.1	1815.8	1813.2	1834.6	1911.0	2032.2	2106.6	2074.2	2046.7	1940.3
52.5°	1661.3	1668.2	1710.8	1733.8	1795.1	1939.7	2144.9	2292.5	2295.5	2263.7	2143.5
55°	1496.2	1511.2	1563.2	1608.2	1706.9	1906.6	2211.2	2448.8	2495.7	2463.2	2335.6
57.5°	1300.4	1322.2	1379.2	1453.7	1568.8	1815.8	2224.3	2565.9	2665.3	2638.4	2516.3
60°	1096.5	1112.1	1182.8	1266.7	1381.7	1676.9	2169.9	2627.1	2798.4	2781.6	2682.1
62.5°	896.4	913.9	986.4	1078.4	1190.9	1479.9	2040.4	2622.8	2860.4	2868.5	2780.3
64°	783.2	802.5	873.8	960.7	1073.4	1351.7	1932.8	2573.9	2859.2	2881.7	2804.1
65°	712.5	731.8	801.9	888.2	998.3	1262.9	1852.1	2527.0	2847.3	2866.1	2804.6
67.5°	556.6	572.3	638.6	727.4	815.6	1040.8	1596.3	2341.9	2750.9	2782.2	2746.6
70°	427.9	442.8	503.5	585.5	659.3	846.3	1318.5	2071.0	2565.2	2609.0	2592.0
72.5°	329.0	341.6	395.3	466.6	526.6	669.3	1053.4	1750.8	2296.2	2367.5	2370.6
75°	253.9	264.0	308.3	370.3	417.8	520.4	820.6	1406.1	1953.4	2047.8	2069.8
77.5°	198.3	204.6	240.2	290.8	329.6	397.8	617.4	1082.1	1576.3	1670.0	1708.9
80°	155.8	160.7	188.3	228.4	259.0	299.1	452.3	800.7	1208.5	1293.5	1330.4
82.5°	120.7	125.1	147.0	179.5	203.3	229.6	323.4	570.5	879.4	949.5	979.5
85°	92.0	95.0	113.8	138.2	157.7	176.4	225.8	389.7	612.4	665.5	686.1
87.5°	68.2	70.7	86.4	106.3	120.7	135.2	164.6	257.8	411.6	449.7	464.8
90°	49.3	51.3	63.8	80.8	93.2	103.8	119.4	170.8	264.6	290.2	301.4
92.5°	35.1	36.9	46.9	60.6	72.5	81.3	92.0	118.9	169.5	183.2	192.1
95°	25.6	26.9	34.4	45.7	56.3	64.5	73.2	86.4	112.0	119.4	122.6
97.5°	19.3	20.0	26.2	35.1	44.4	51.3	57.6	65.7	78.7	82.6	84.4
100°	15.0	15.7	20.6	28.2	35.6	41.9	46.3	51.3	58.1	60.6	62.0
102.5°	12.4	13.1	16.9	23.2	29.4	34.4	38.1	41.3	44.4	45.7	47.5
105°	11.3	11.3	15.0	20.0	25.0	29.4	32.6	33.8	34.4	35.1	35.6
107.5°	9.4	10.1	13.1	17.5	21.9	25.6	27.6	27.6	26.2	26.2	26.9



REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	8.7	8.7	11.3	15.0	19.3	21.9	23.2	21.9	19.3	19.3	20.0
112.5°	7.5	8.0	10.1	13.1	16.9	19.3	19.3	17.5	14.4	14.4	15.0
115°	6.9	6.9	8.7	11.9	14.4	16.3	16.3	14.4	10.6	10.6	11.3
117.5°	6.2	6.2	7.5	10.1	12.4	14.4	13.7	11.3	8.0	8.0	9.4
120°	6.2	6.2	6.9	8.7	10.6	11.9	11.3	8.7	6.2	6.2	7.5
122.5°	5.7	5.7	6.2	7.5	9.4	10.1	9.4	6.9	5.0	5.7	6.2
125°	5.7	5.7	5.7	6.9	8.0	8.7	8.0	5.7	4.4	4.4	5.0
127.5°	5.0	5.0	5.0	5.7	6.9	7.5	6.2	4.4	3.8	3.8	4.4
130°	5.0	5.0	4.4	5.0	6.2	6.2	5.0	3.2	2.5	3.2	3.8
132.5°	4.4	4.4	4.4	4.4	5.0	5.0	4.4	2.5	2.5	2.5	3.2
135°	4.4	4.4	3.8	3.8	4.4	4.4	3.2	1.8	1.8	1.8	2.5
137.5°	3.8	3.8	3.8	3.2	3.2	3.2	2.5	1.2	1.2	1.8	1.8
140°	3.2	3.2	3.2	2.5	2.5	1.8	1.2	0.6	1.2	1.2	1.8
142.5°	2.5	2.5	2.5	1.8	1.8	1.2	0.6	0.6	0.6	1.2	1.2
145°	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
147.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	171.4	170.8	169.0	167.6	166.4	165.1	165.1	163.9	163.3	162.6	162.6
5°	181.4	178.8	175.8	173.2	170.1	167.0	164.6	162.6	161.3	160.7	160.2
7.5°	196.4	193.3	187.6	183.2	177.6	173.2	169.5	165.7	164.6	163.3	163.3
10°	221.5	215.8	207.7	199.5	192.1	184.5	180.2	175.2	173.9	172.6	172.6
12.5°	254.6	249.0	235.8	224.5	212.6	202.6	195.8	191.4	190.1	188.3	188.9
15°	294.0	284.0	269.6	253.4	238.3	224.5	216.5	209.6	206.4	204.6	205.2
17.5°	338.3	327.1	306.5	285.2	265.8	250.9	237.1	227.0	222.1	220.1	220.1
20°	389.7	377.2	350.9	322.1	297.0	275.9	258.3	243.3	237.1	234.6	234.6
22.5°	450.3	434.8	398.5	361.5	330.3	299.1	275.9	257.8	250.2	247.7	247.7
25°	520.4	499.8	453.5	407.9	360.9	319.0	289.6	270.2	261.4	258.3	258.3
27.5°	593.6	574.1	514.2	455.9	391.5	335.3	300.3	278.9	269.0	267.1	266.5
30°	686.1	658.7	581.0	501.6	417.8	346.6	304.7	284.0	274.0	272.0	272.0
32.5°	783.2	750.6	656.7	549.1	437.8	351.5	305.3	285.8	277.1	275.3	274.6
35°	897.0	855.1	735.6	597.9	455.9	353.5	304.7	287.2	280.2	277.7	277.1
37.5°	1020.8	967.6	818.8	643.0	465.3	350.2	302.7	286.5	281.5	278.4	277.7
40°	1154.7	1093.3	913.9	679.3	466.6	344.0	299.1	287.2	282.1	278.4	277.1
42.5°	1304.1	1230.4	1005.8	712.5	462.8	336.5	296.5	287.2	282.8	278.4	277.1
45°	1470.5	1380.5	1102.1	738.0	452.9	327.8	294.0	287.2	283.3	277.7	277.1
47.5°	1648.1	1541.2	1201.0	758.1	440.4	319.0	292.7	288.3	285.2	278.4	277.7
50°	1833.9	1710.8	1296.7	771.3	425.3	310.9	291.5	288.3	286.5	278.9	278.4
52.5°	2034.1	1890.3	1400.4	778.2	407.9	302.7	290.2	289.6	287.7	280.8	279.6
55°	2220.4	2063.0	1493.0	778.2	389.7	295.2	289.0	290.2	289.6	282.8	281.5
57.5°	2394.4	2221.8	1574.4	768.7	370.3	287.7	286.5	289.6	290.2	284.0	282.8
60°	2544.5	2360.6	1631.9	753.8	350.2	280.2	283.3	288.3	290.2	284.6	283.3
62.5°	2645.8	2456.9	1651.4	721.8	329.0	272.0	277.7	284.6	288.3	283.3	282.1
64°	2677.2	2481.4	1647.0	698.0	315.9	267.1	274.0	282.1	285.8	282.1	280.8
65°	2685.9	2485.1	1631.4	678.1	307.8	263.4	270.9	279.6	284.0	280.2	278.9
67.5°	2633.3	2420.1	1554.3	618.6	288.3	253.4	262.1	270.9	276.4	274.6	273.3
70°	2499.6	2282.4	1427.4	553.6	268.3	241.5	250.2	259.6	266.5	265.2	264.6
72.5°	2278.7	2065.4	1267.3	477.3	248.3	228.4	234.6	245.2	252.1	251.4	250.2
75°	1986.6	1779.5	1047.0	407.9	226.3	211.4	217.7	227.0	234.0	232.7	232.7
77.5°	1645.0	1446.8	840.6	337.2	206.4	193.3	199.0	206.4	212.6	210.8	210.3
80°	1281.6	1113.4	642.3	274.6	185.2	173.9	177.6	183.2	188.9	186.4	185.7
82.5°	942.1	814.4	473.5	220.1	163.9	152.0	155.1	160.2	163.3	160.7	160.2
85°	660.5	569.2	342.7	175.2	140.7	130.8	131.3	133.9	136.3	132.6	131.9
87.5°	445.3	381.6	237.6	138.9	118.9	110.2	109.5	110.7	112.5	108.8	107.0
90°	292.2	249.0	162.6	112.5	99.4	92.0	90.6	90.6	91.3	87.0	85.7
92.5°	185.2	161.3	118.2	92.0	83.1	76.3	74.4	73.9	73.2	68.9	68.2
95°	120.7	110.7	90.6	76.3	68.9	63.2	61.3	60.1	58.8	55.7	54.4
97.5°	85.1	80.1	71.9	63.2	57.6	52.6	50.7	48.8	47.5	43.8	43.1
100°	63.8	62.0	58.1	52.6	48.2	43.8	41.9	40.0	38.8	35.1	34.4
102.5°	49.3	49.3	47.5	43.8	40.0	36.3	35.1	33.1	31.2	28.7	28.2
105°	38.1	38.1	38.8	36.9	33.8	31.2	29.4	28.2	26.2	23.2	23.2
107.5°	28.7	30.0	31.2	30.7	28.7	26.2	25.0	23.8	21.3	19.3	19.3



REPORT NUMBER: P255276

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.9	22.5	25.0	25.6	24.4	22.5	21.3	19.3	17.5	15.7	15.7
112.5°	16.3	17.5	20.0	21.3	20.6	19.3	18.1	16.3	13.7	13.1	13.1
115°	12.4	13.7	16.3	17.5	17.5	16.3	15.0	13.1	11.3	10.6	11.3
117.5°	10.1	11.3	13.1	14.4	14.4	13.1	12.4	10.6	9.4	9.4	9.4
120°	8.0	9.4	10.6	11.9	11.9	11.3	10.1	8.7	7.5	8.0	8.0
122.5°	6.9	7.5	8.7	9.4	10.1	9.4	8.0	6.9	6.2	6.9	6.9
125°	5.7	6.2	7.5	7.5	8.0	7.5	6.9	5.7	5.0	5.7	5.7
127.5°	5.0	5.7	6.2	6.2	6.9	6.2	5.7	4.4	4.4	5.0	5.0
130°	3.8	4.4	5.0	5.0	5.7	5.0	4.4	3.8	3.8	4.4	4.4
132.5°	3.2	3.8	3.8	4.4	4.4	4.4	3.8	2.5	3.2	3.2	3.2
135°	3.2	3.2	3.8	3.2	3.2	3.2	2.5	1.8	2.5	2.5	2.5
137.5°	2.5	2.5	3.2	3.2	2.5	2.5	1.8	1.2	1.8	2.5	2.5
140°	1.8	2.5	2.5	2.5	2.5	1.8	1.2	0.6	1.2	1.2	1.2
142.5°	1.8	1.8	2.5	2.5	1.8	1.2	0.6	0.0	0.6	0.6	0.6
145°	1.2	1.8	1.8	1.8	1.2	1.2	0.6	0.0	0.0	0.6	0.0
147.5°	1.2	1.2	1.8	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
150°	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.6	0.6	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)