

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: P266120

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210.7 lumens
Efficiency: N/A
Efficacy: 81.4 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: B1 - U3 - G3

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

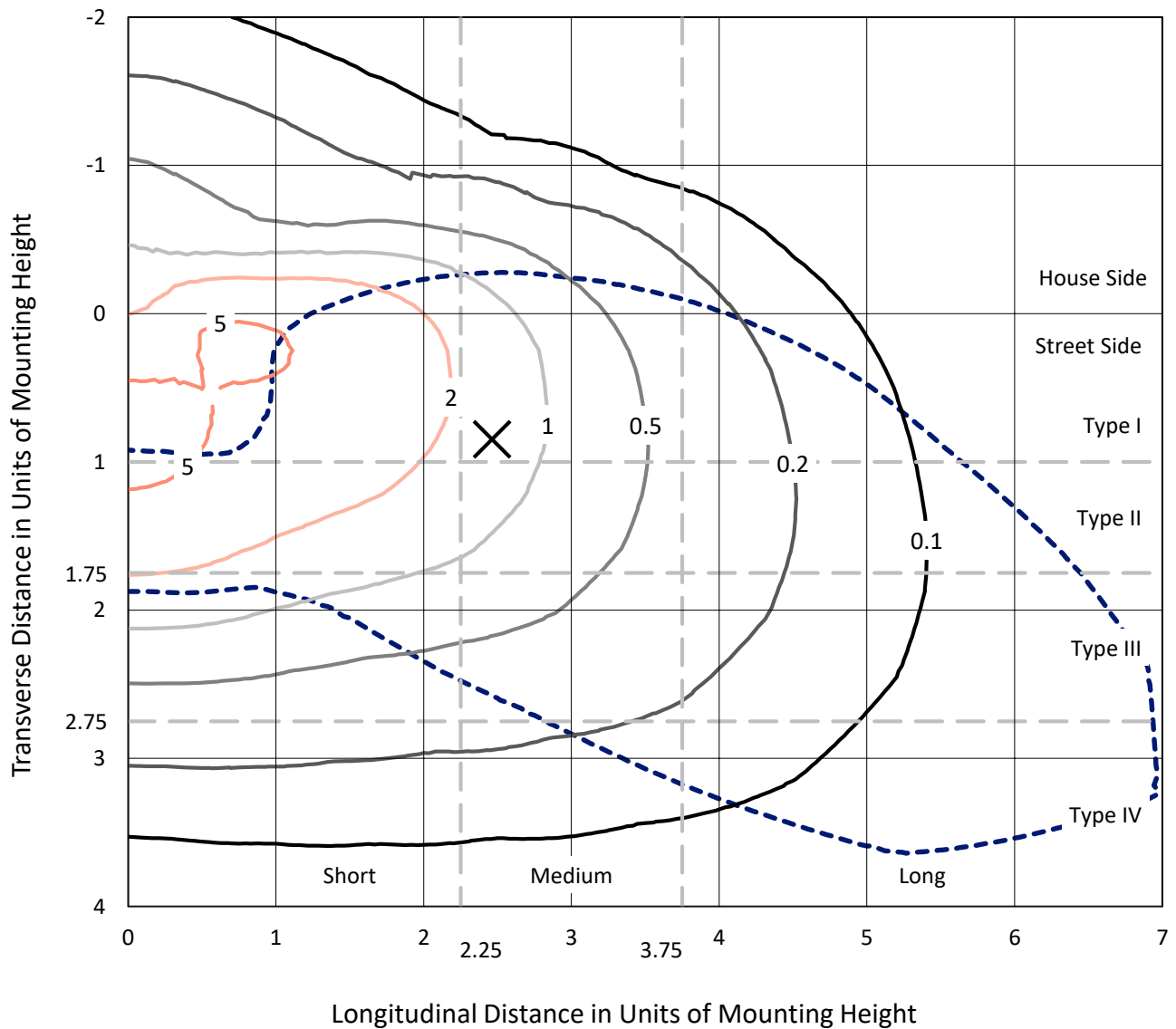


REPORT NUMBER: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

Iso-Footcandle Lines of Horizontal Illumination

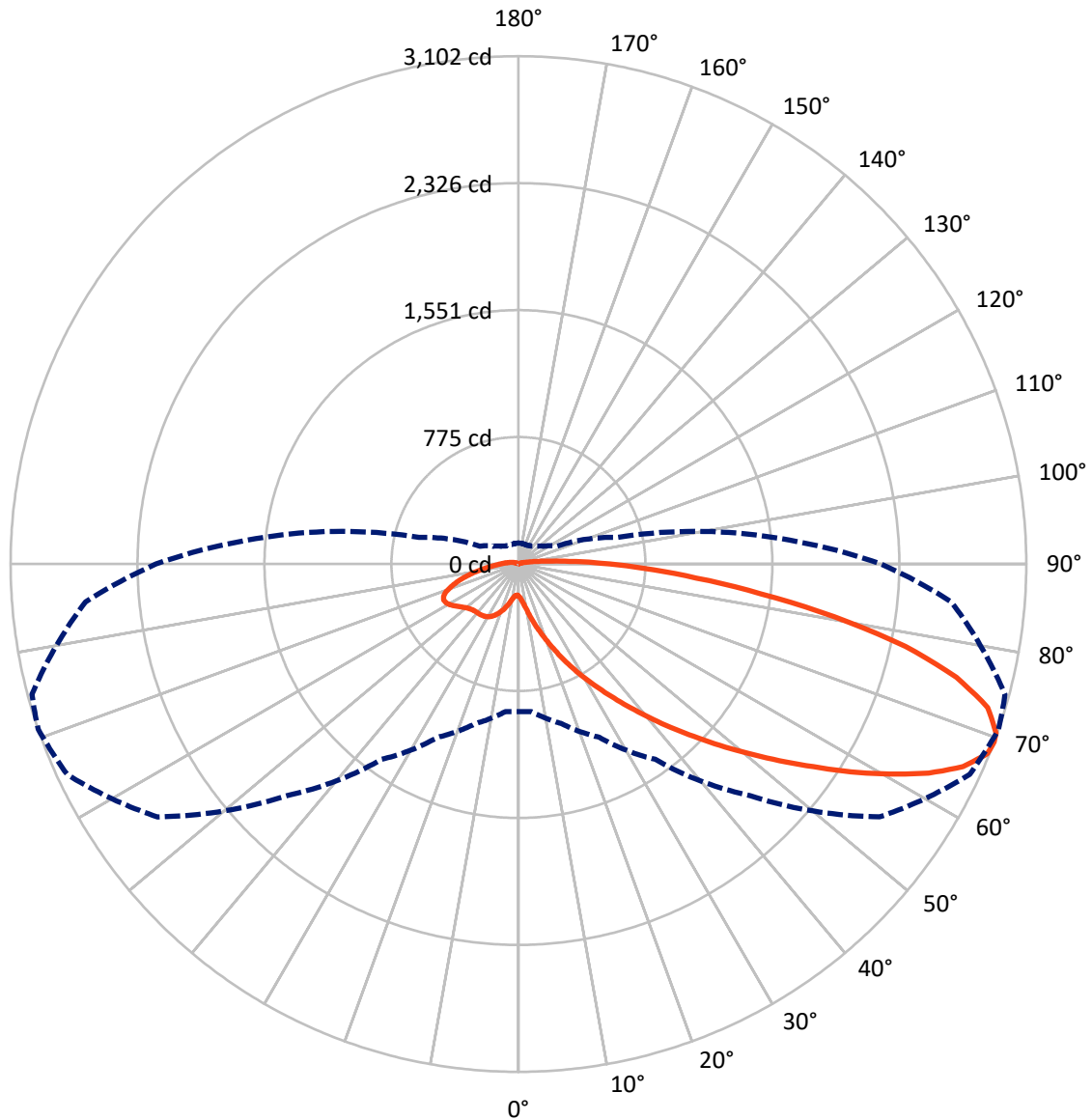
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266120
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

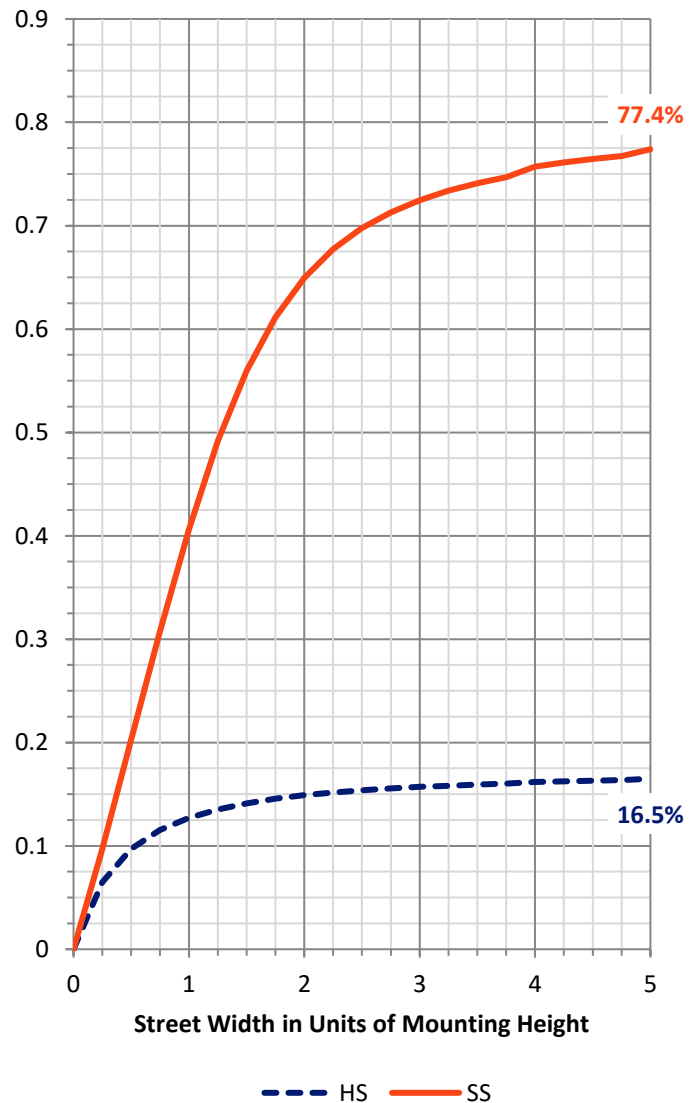
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.2	66.6	961.7
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	4146.0	102.9	4248.9
	% Fixture	79.6	2.0	81.5
Total	Lumens	5041.2	169.5	5210.7
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.4
10°-20°	84.8	1.6
20°-30°	205.0	3.9
30°-40°	399.0	7.7
40°-50°	682.9	13.1
50°-60°	1019.1	19.6
60°-70°	1225.4	23.5
70°-80°	980.6	18.8
80°-90°	423.9	8.1
90°-100°	113.9	2.2
100°-110°	35.0	0.7
110°-120°	13.3	0.3
120°-130°	4.9	0.1
130°-140°	1.8	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5041.2	96.7
0°-180°	5210.7	100.0

Coefficient of Utilization



REPORT NUMBER: P266120

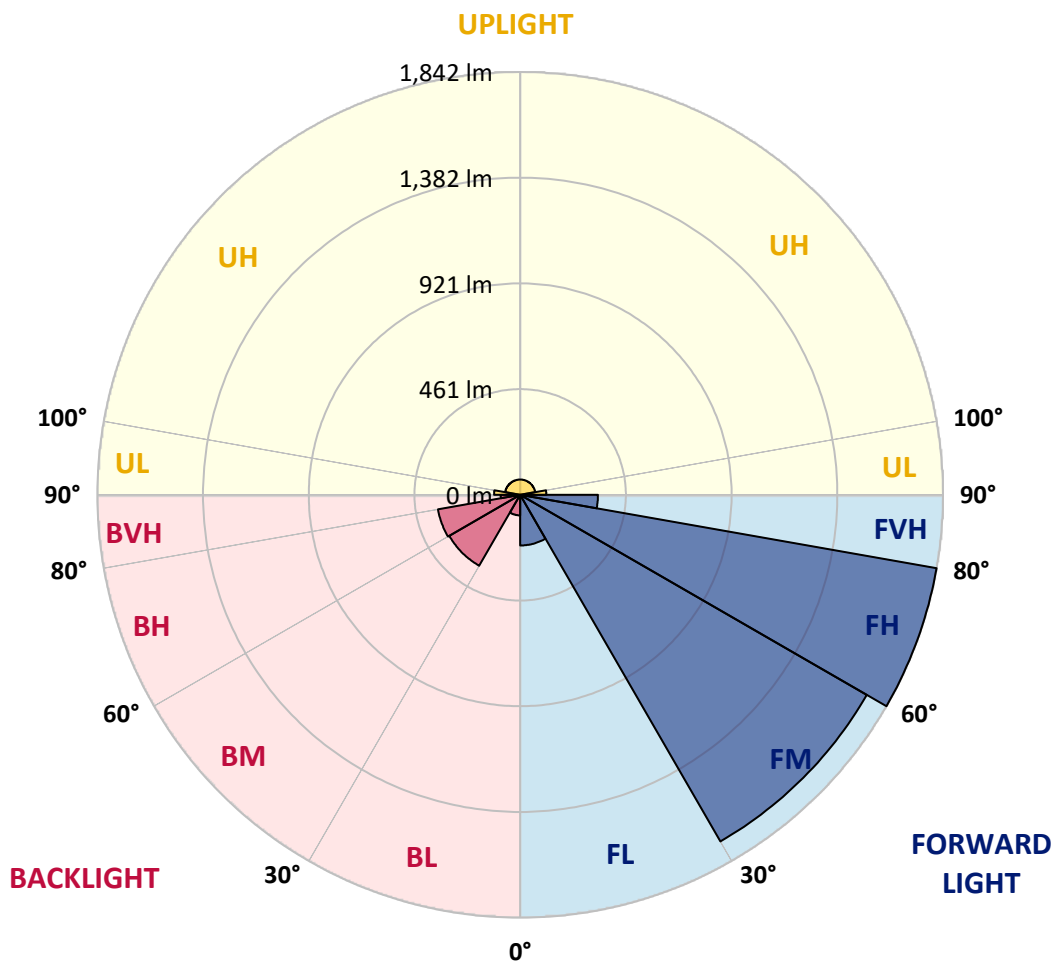
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.7	4.2			
FM	(30°-60°)	1743.9	33.5			
FH	(60°-80°)	1842.5	35.4			G2/5000
FVH	(80°-90°)	338.9	6.5			G3/500
BL	(0°-30°)	89.6	1.7	B0/110		
BM	(30°-60°)	357.0	6.9	B1/1000		
BH	(60°-80°)	363.5	7.0	B1/500		G1/500
BVH	(80°-90°)	85.0	1.6			G1/100
UL	(90°-100°)	113.9	2.2		U3/500	
UH	(100°-180°)	66.6	1.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4
2.5°	221.4	221.4	220.8	221.4	218.2	216.9	213.0	209.0	206.5	205.8	200.1
5°	247.4	247.4	246.8	246.8	242.8	240.2	235.0	228.6	225.4	222.7	213.0
7.5°	277.2	276.6	276.0	276.6	273.4	267.5	262.9	254.5	251.3	246.0	233.7
10°	313.6	312.3	313.0	311.1	305.9	303.2	298.6	289.6	285.8	281.8	267.5
12.5°	357.7	357.7	356.4	352.6	347.4	346.0	344.1	338.9	333.7	328.5	308.4
15°	407.1	405.9	403.9	398.7	394.1	391.5	394.1	390.9	387.0	380.5	357.0
17.5°	463.5	461.0	457.7	451.3	444.1	445.4	448.1	445.4	440.2	438.3	410.3
20°	525.9	525.2	518.9	507.7	501.3	497.3	504.5	507.7	503.2	501.3	469.5
22.5°	600.0	595.3	587.0	573.3	561.6	555.2	562.9	574.6	573.3	570.8	536.9
25°	686.2	679.2	670.8	646.7	627.1	616.1	627.1	643.5	650.0	647.3	607.8
27.5°	783.1	773.4	759.6	731.7	699.9	677.9	693.4	714.8	731.1	732.4	684.4
30°	888.2	879.8	861.7	820.7	775.9	748.6	761.0	793.5	816.1	817.5	764.8
32.5°	1008.3	999.3	963.0	919.3	861.7	823.9	836.3	878.5	905.8	914.8	852.5
35°	1137.6	1127.8	1097.3	1029.1	954.4	905.8	919.3	972.0	1005.2	1018.7	946.0
37.5°	1275.2	1259.0	1223.9	1147.9	1063.6	1001.3	1007.7	1069.3	1114.8	1132.4	1050.6
40°	1409.6	1403.2	1355.7	1266.8	1164.8	1097.3	1103.1	1175.3	1232.4	1252.4	1162.1
42.5°	1547.2	1532.2	1487.6	1384.3	1271.9	1198.6	1212.8	1294.0	1364.2	1386.3	1279.0
45°	1678.5	1665.4	1608.2	1498.6	1381.7	1308.3	1328.5	1429.1	1501.7	1531.0	1412.1
47.5°	1797.1	1780.4	1722.5	1603.7	1489.5	1423.9	1449.9	1569.2	1654.4	1688.2	1561.6
50°	1882.8	1869.4	1810.3	1693.9	1588.2	1545.3	1593.4	1722.0	1818.0	1863.4	1723.8
52.5°	1920.5	1914.1	1857.5	1753.0	1673.8	1666.0	1754.4	1886.3	1995.2	2044.6	1897.2
55°	1906.9	1897.2	1865.4	1781.6	1739.4	1783.6	1923.2	2073.7	2185.4	2238.8	2083.6
57.5°	1829.7	1823.2	1820.5	1768.0	1777.7	1896.0	2090.0	2284.2	2394.0	2436.7	2269.8
60°	1698.5	1694.7	1721.2	1718.6	1787.4	1987.5	2266.1	2506.9	2604.2	2653.7	2452.4
62.5°	1503.0	1512.1	1573.2	1625.8	1755.6	2048.4	2427.0	2710.0	2812.1	2847.7	2593.9
65°	1274.5	1290.8	1372.6	1479.7	1682.3	2073.7	2572.4	2886.8	2984.1	2997.0	2684.1
67.5°	1020.7	1046.6	1144.0	1292.8	1556.4	2050.4	2664.1	3005.5	3089.9	3073.7	2692.0
69°	901.2	904.5	1007.7	1167.3	1456.3	2000.4	2692.0	3040.7	3101.6	3076.2	2653.7
70°	813.5	818.7	920.8	1085.6	1382.3	1951.7	2691.3	3049.0	3095.1	3055.6	2616.7
72.5°	602.6	621.9	723.2	893.5	1192.1	1783.6	2604.2	3002.2	2997.7	2926.3	2418.5
75°	437.7	453.9	551.2	719.5	1003.8	1562.2	2390.7	2808.8	2763.9	2672.5	2116.0
77.5°	312.3	316.8	403.2	565.6	828.4	1307.7	2064.0	2463.4	2416.6	2279.5	1732.9
80°	211.0	215.0	285.8	428.0	666.8	1074.6	1699.1	2019.3	1957.0	1808.3	1315.5
82.5°	136.4	143.5	199.3	314.2	522.0	866.8	1342.1	1564.0	1492.8	1359.7	967.5
85°	95.4	97.3	138.2	227.2	392.2	670.8	1019.3	1164.2	1090.2	980.4	675.3
87.5°	63.6	65.5	97.3	164.8	285.8	490.8	740.8	825.9	762.2	674.0	450.0
90°	40.2	43.5	67.6	117.5	205.8	342.9	512.3	553.1	507.7	435.7	279.3
92.5°	28.6	29.9	47.4	84.4	146.1	235.0	334.3	350.6	311.6	264.2	168.8
95°	19.5	20.8	34.5	60.4	105.2	158.5	213.0	213.5	182.4	155.9	107.2
97.5°	14.4	15.6	26.1	44.7	75.3	108.4	135.7	128.5	109.8	95.4	74.6
100°	11.7	12.3	20.8	34.5	54.5	76.6	88.9	80.5	70.7	63.6	54.5
102.5°	9.7	10.4	17.5	27.8	41.0	54.5	60.4	53.9	48.1	44.1	41.0
105°	8.4	9.2	14.9	23.4	33.1	40.2	42.8	38.3	35.0	32.5	30.5
107.5°	7.7	8.4	12.9	20.1	27.3	32.5	33.7	29.3	26.1	23.4	22.1



REPORT NUMBER: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	7.1	7.7	11.7	17.5	23.4	27.3	26.6	22.7	18.9	16.2	16.2
112.5°	6.5	7.1	10.4	15.6	20.1	22.7	22.1	16.9	13.7	11.7	11.7
115°	5.8	6.5	9.2	13.7	17.5	18.9	17.5	12.9	9.7	7.7	9.2
117.5°	5.2	5.8	7.7	11.7	14.9	15.6	13.7	9.7	7.1	5.8	6.5
120°	5.2	5.2	7.1	9.7	12.3	12.9	11.0	7.1	5.2	4.5	5.2
122.5°	4.5	5.2	6.5	8.4	10.4	10.4	8.4	5.2	4.0	4.0	4.5
125°	4.5	4.5	5.2	7.1	8.4	8.4	6.5	4.0	3.2	4.0	4.5
127.5°	4.0	4.5	5.2	6.5	7.1	7.1	5.2	3.2	3.2	3.2	4.0
130°	4.0	4.0	4.5	5.2	5.8	5.2	4.0	2.5	2.5	3.2	4.0
132.5°	4.0	4.0	4.0	4.5	5.2	4.0	2.5	2.5	2.5	2.5	4.0
135°	3.2	3.2	3.2	4.0	4.0	2.5	1.9	1.9	2.5	2.5	3.2
137.5°	2.5	2.5	2.5	2.5	2.5	1.9	1.3	1.9	1.9	2.5	3.2
140°	1.9	1.9	1.9	1.9	1.9	0.7	1.3	1.3	1.9	1.9	2.5
142.5°	1.3	1.3	1.3	1.9	1.3	0.7	0.7	1.3	1.9	1.9	2.5
145°	0.7	0.7	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.9	1.9
147.5°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	1.3	1.3	1.9
150°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4
2.5°	198.0	196.1	191.6	186.9	182.4	179.2	176.5	176.0	174.0	172.0	172.7
5°	208.4	203.8	196.1	186.4	177.2	169.5	163.6	158.5	155.1	151.3	152.0
7.5°	227.2	220.2	206.5	190.3	175.3	163.0	151.3	144.7	139.5	137.0	136.4
10°	255.7	246.0	223.4	200.1	177.2	159.1	144.7	136.4	131.2	127.9	127.9
12.5°	296.1	281.8	249.3	215.6	184.4	159.7	142.8	134.3	129.1	127.3	127.3
15°	340.2	321.5	277.8	231.9	191.6	161.7	143.5	134.3	129.8	127.9	127.3
17.5°	389.5	364.3	305.9	245.4	197.4	165.6	144.2	134.3	129.8	128.5	127.9
20°	442.9	411.1	334.3	258.4	201.8	166.2	143.5	133.8	130.6	129.8	129.8
22.5°	502.5	461.0	361.7	269.4	204.5	164.3	141.6	133.0	131.2	131.8	131.8
25°	564.9	512.9	387.6	276.0	201.8	159.7	139.5	133.0	132.5	134.3	134.3
27.5°	631.1	564.9	410.3	280.5	196.6	153.3	136.4	133.0	133.8	136.4	136.4
30°	700.6	618.2	429.7	279.8	190.3	148.0	134.3	132.5	135.0	139.0	139.0
32.5°	773.9	673.3	446.1	276.0	182.4	144.2	132.5	133.0	137.0	141.6	142.2
35°	849.3	725.2	459.0	268.1	175.3	140.9	132.5	134.3	139.0	144.2	144.7
37.5°	933.0	783.7	470.7	261.0	170.0	139.5	133.0	135.0	140.2	146.1	147.4
40°	1023.3	847.3	479.2	252.0	166.2	140.2	134.3	136.4	140.9	147.4	148.7
42.5°	1119.4	912.3	488.3	244.8	163.0	140.9	136.4	137.0	141.6	148.7	149.9
45°	1228.4	984.9	498.6	238.3	162.4	143.5	137.6	137.0	140.9	149.9	150.6
47.5°	1353.0	1075.9	514.2	233.7	162.4	145.4	139.0	137.0	140.2	149.9	151.3
50°	1489.5	1171.3	533.1	232.4	164.3	148.0	140.2	137.0	139.5	147.4	148.7
52.5°	1634.2	1279.0	558.3	233.1	166.8	149.9	141.6	136.4	137.6	143.5	144.2
55°	1795.3	1394.0	587.0	237.1	170.8	152.6	142.2	135.0	135.0	139.0	139.0
57.5°	1953.1	1513.5	618.2	241.6	176.0	155.1	142.2	133.8	133.0	135.7	135.7
60°	2099.1	1613.4	648.7	247.4	180.5	156.5	141.6	132.5	131.2	133.0	133.8
62.5°	2221.1	1694.7	667.5	254.0	184.4	157.2	140.2	131.2	129.8	131.8	131.8
65°	2274.5	1733.5	671.4	258.4	188.3	156.5	138.2	129.1	128.5	129.8	130.6
67.5°	2265.3	1711.5	652.4	259.2	189.6	155.9	136.4	127.3	127.3	128.5	128.5
69°	2213.5	1664.1	628.5	257.8	189.6	153.9	134.3	125.9	126.7	127.9	127.9
70°	2164.0	1613.4	605.1	254.5	189.0	152.6	132.5	124.7	125.9	127.3	127.3
72.5°	1974.5	1447.9	543.5	244.1	183.8	148.0	128.5	120.7	123.3	125.9	125.4
75°	1699.9	1227.9	470.7	227.9	175.3	141.6	123.3	116.2	120.2	123.3	122.7
77.5°	1368.1	981.7	394.7	209.0	164.8	133.0	116.9	111.0	115.6	119.5	118.8
80°	1040.7	753.8	320.8	188.3	151.3	124.1	109.8	104.6	110.4	113.6	112.9
82.5°	761.0	551.2	252.0	167.5	138.2	114.3	101.2	97.3	103.2	106.4	105.2
85°	527.8	385.1	194.8	144.7	124.1	103.2	92.2	89.7	94.9	97.3	96.1
87.5°	348.6	259.7	150.6	125.4	110.4	92.9	83.7	81.1	86.3	87.7	87.0
90°	221.4	174.0	119.5	107.7	97.3	82.5	74.6	73.4	77.3	78.0	75.9
92.5°	141.6	119.5	96.7	92.9	85.1	73.4	66.8	64.9	68.2	68.2	66.3
95°	98.1	88.9	79.2	79.9	74.0	64.3	58.4	57.9	59.1	57.9	57.1
97.5°	70.7	67.6	65.5	68.2	64.3	55.9	51.4	49.9	50.7	48.7	48.1
100°	53.9	53.2	54.5	57.1	54.5	48.1	44.1	43.5	42.8	39.6	39.6
102.5°	41.5	41.5	44.7	48.7	46.2	41.0	38.3	37.0	35.0	31.8	31.3
105°	31.8	32.5	37.0	40.2	38.9	34.5	32.5	30.5	27.8	24.7	24.7
107.5°	24.1	25.3	29.9	33.1	31.8	28.6	26.6	24.7	22.1	18.9	19.5



REPORT NUMBER: P266120

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.1	19.5	24.1	26.6	26.1	24.1	22.1	20.1	16.9	14.4	14.9
112.5°	13.7	14.9	18.9	21.4	21.4	19.5	17.5	15.6	12.3	11.0	11.0
115°	10.4	11.7	14.9	16.9	16.9	14.9	13.7	11.7	9.2	8.4	8.4
117.5°	7.7	9.2	11.7	13.7	12.9	11.7	10.4	9.2	7.1	6.5	6.5
120°	6.5	7.1	9.2	10.4	9.7	9.2	7.7	6.5	5.2	5.2	5.2
122.5°	5.2	5.8	7.1	7.7	7.1	6.5	5.8	4.5	4.0	4.0	4.0
125°	4.5	5.2	5.8	5.8	5.2	4.5	4.0	3.2	2.5	3.2	3.2
127.5°	4.5	4.5	5.2	4.5	4.0	3.2	2.5	1.9	1.9	2.5	2.5
130°	4.0	4.5	4.5	4.0	3.2	1.9	1.9	1.3	1.3	1.9	1.9
132.5°	4.0	4.0	4.0	3.2	2.5	1.3	0.7	0.7	1.3	1.3	1.3
135°	3.2	4.0	3.2	2.5	1.9	1.3	0.0	0.7	0.7	0.7	0.7
137.5°	3.2	3.2	3.2	2.5	1.3	0.7	0.0	0.0	0.7	0.0	0.0
140°	2.5	2.5	2.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)