

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: P416073

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 5100 lumens
Efficiency: N/A
Efficacy: 79.7 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

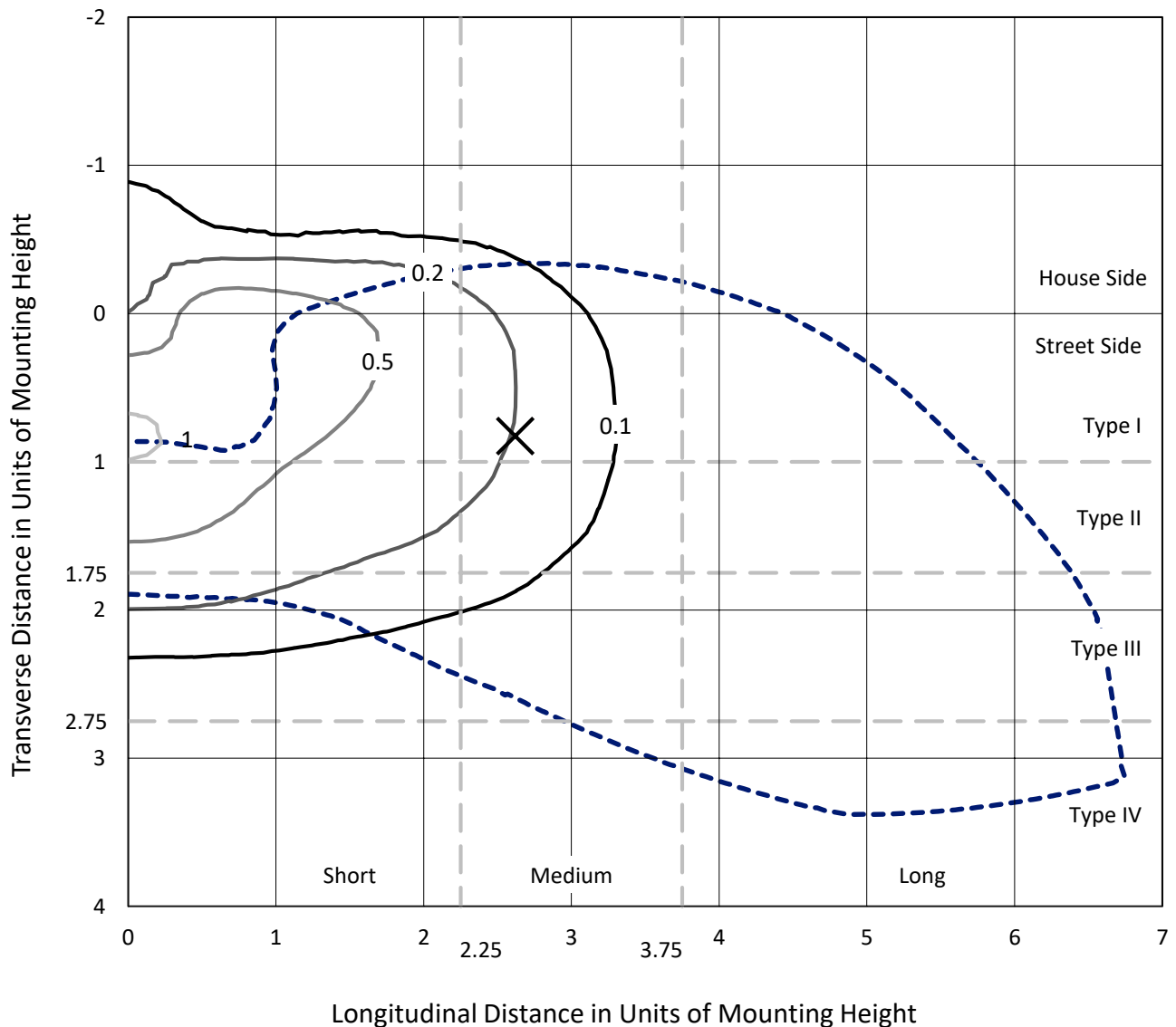
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416073
 CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

Iso-Footcandle Lines of Horizontal Illumination

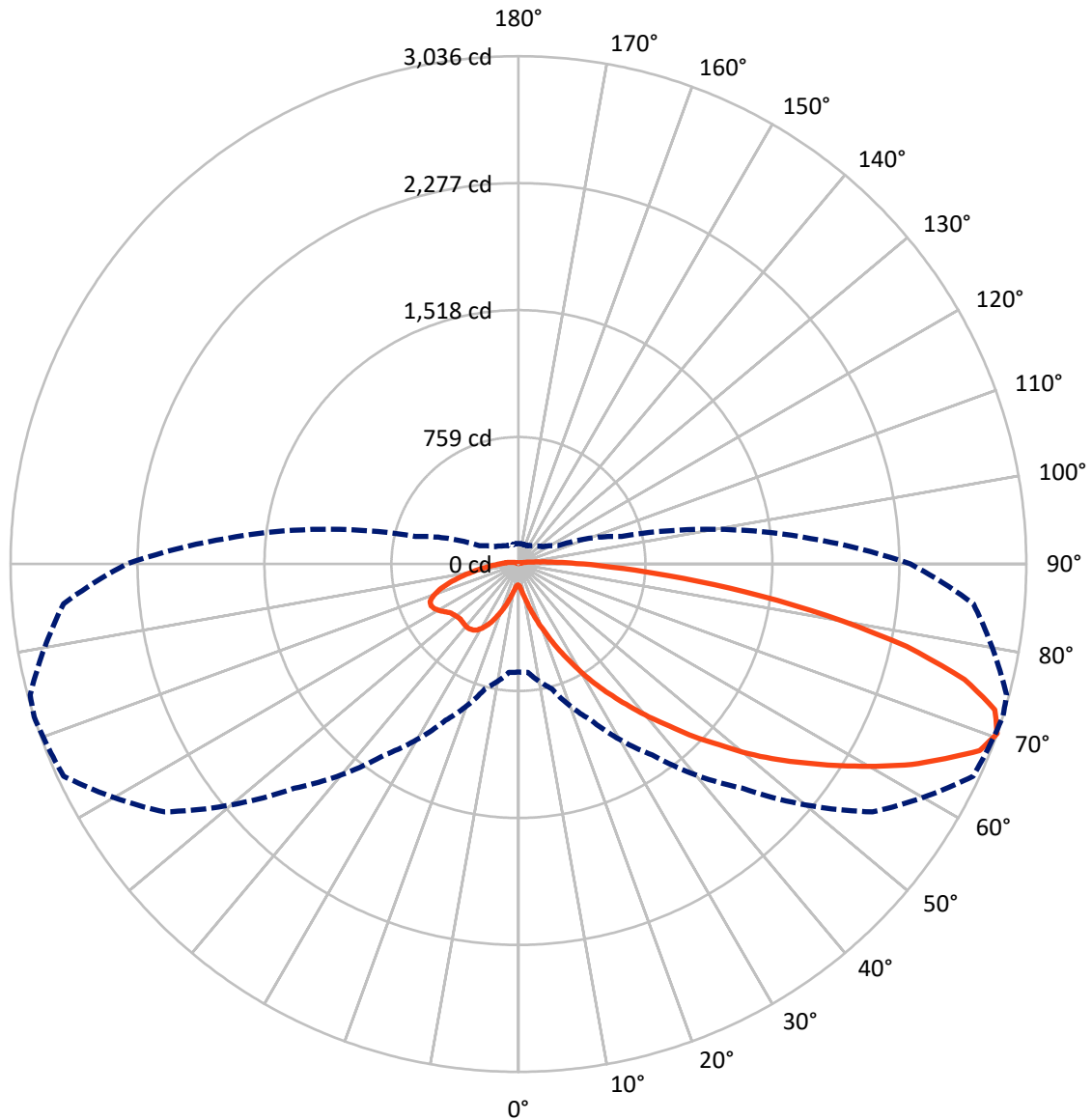
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416073
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P416073

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

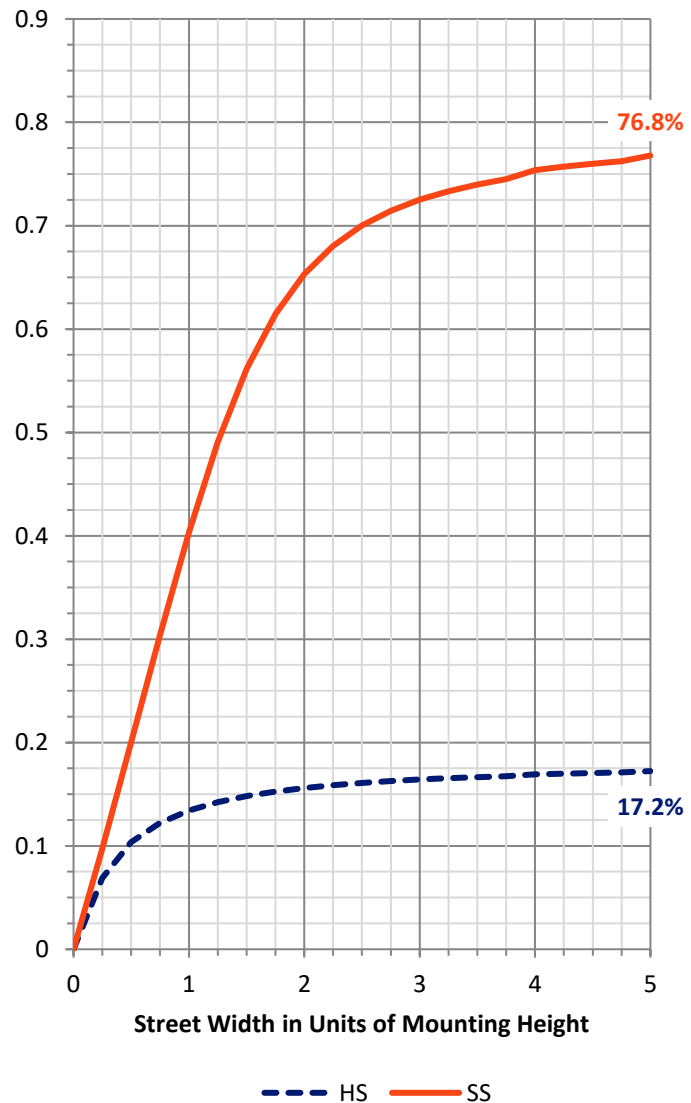
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.8	83.2	1000.0
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	4004.0	96.1	4100.0
	% Fixture	78.5	1.9	80.4
Total	Lumens	4920.8	179.3	5100.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	69.0	1.4
20°-30°	192.7	3.8
30°-40°	399.4	7.8
40°-50°	689.9	13.5
50°-60°	1018.9	20.0
60°-70°	1202.6	23.6
70°-80°	954.4	18.7
80°-90°	379.4	7.4
90°-100°	100.3	2.0
100°-110°	38.7	0.8
110°-120°	18.9	0.4
120°-130°	10.7	0.2
130°-140°	6.3	0.1
140°-150°	3.0	0.1
150°-160°	1.0	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4920.8	96.5
0°-180°	5100.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416073

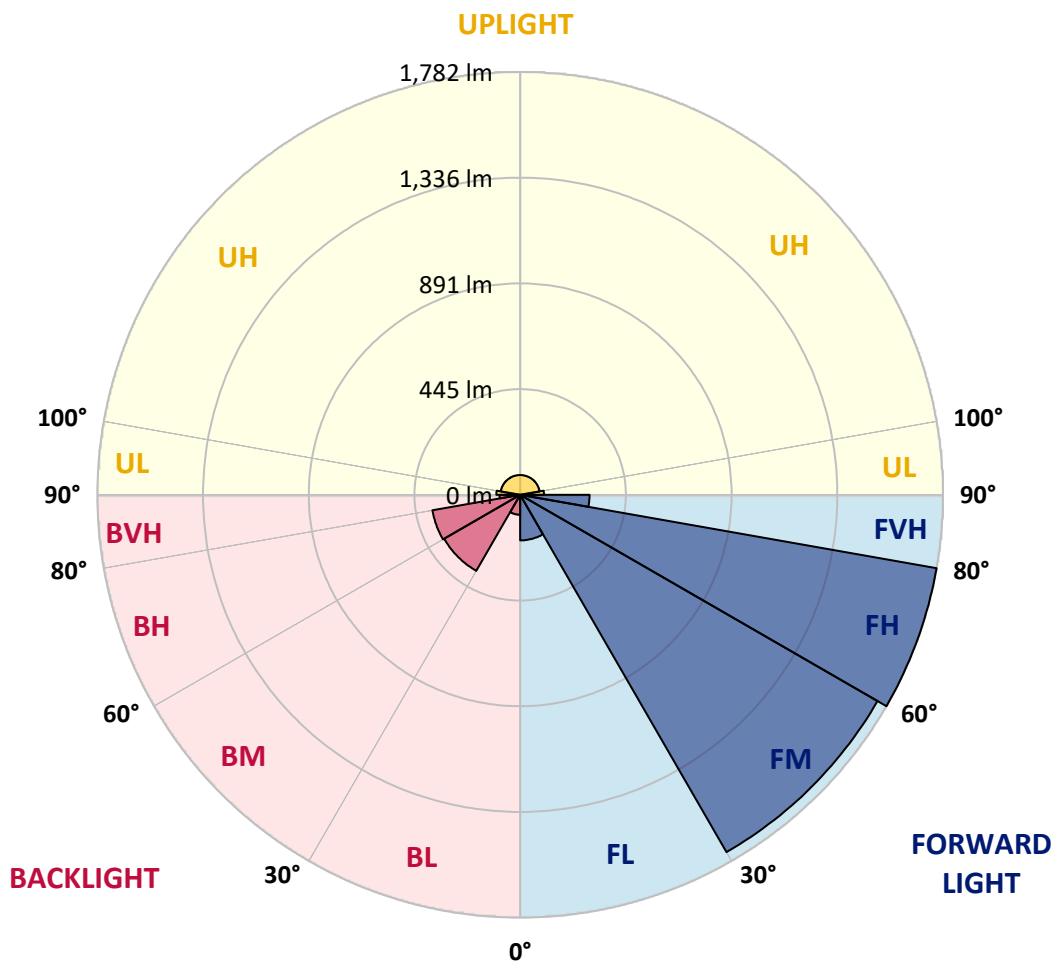
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.9	3.8			
FM	(30°-60°)	1738.3	34.1			
FH	(60°-80°)	1781.5	34.9			G1/1800
FVH	(80°-90°)	292.2	5.7			G3/500
BL	(0°-30°)	84.1	1.6	B0/110		
BM	(30°-60°)	369.9	7.3	B1/1000		
BH	(60°-80°)	375.5	7.4	B1/500		G1/500
BVH	(80°-90°)	87.2	1.7			G1/100
UL	(90°-100°)	100.3	2.0		U3/500	
UH	(100°-180°)	83.2	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P416073

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	143.3	143.9	143.3	143.3	142.1	141.5	137.9	135.5	133.7	132.5	130.7
5°	166.1	167.3	166.7	166.7	163.7	161.9	157.7	152.9	149.3	148.7	143.3
7.5°	196.7	196.1	193.7	193.1	191.9	188.9	182.9	175.7	172.1	170.9	163.1
10°	234.5	231.5	232.7	228.5	226.1	221.3	215.9	210.5	203.3	203.3	192.5
12.5°	272.2	278.8	277.0	271.0	266.2	258.5	251.9	250.1	241.7	242.9	232.7
15°	334.0	333.4	328.0	323.8	314.2	304.6	298.6	294.4	292.0	290.2	278.8
17.5°	399.4	395.8	391.6	379.0	365.2	356.8	351.4	347.2	350.2	349.6	335.8
20°	474.9	470.7	464.7	442.0	424.0	410.8	407.8	412.6	414.4	419.2	405.4
22.5°	558.9	557.1	542.7	516.9	486.3	468.9	465.9	477.3	491.1	493.5	483.9
25°	659.6	657.2	637.4	600.3	560.1	533.7	533.7	551.7	574.5	579.9	575.1
27.5°	767.6	761.6	735.8	690.2	635.0	600.9	596.7	629.0	660.8	676.4	670.4
30°	891.7	890.5	847.9	792.2	726.2	671.6	669.8	717.2	762.2	769.4	770.6
32.5°	1019.4	1029.6	980.4	897.1	817.3	753.2	750.2	803.5	865.9	878.5	878.5
35°	1166.9	1167.5	1107.0	1024.2	915.1	841.9	833.5	897.1	966.7	984.0	993.6
37.5°	1315.7	1312.1	1257.5	1143.6	1021.2	933.1	925.3	1000.2	1079.4	1107.6	1105.8
40°	1462.0	1472.2	1403.2	1277.3	1129.8	1040.4	1021.2	1109.4	1200.5	1232.3	1219.7
42.5°	1619.7	1617.3	1555.5	1415.2	1250.9	1144.2	1132.8	1223.9	1325.3	1361.2	1349.8
45°	1757.6	1756.4	1689.2	1548.9	1366.6	1264.1	1248.5	1345.0	1472.2	1505.7	1482.4
47.5°	1884.7	1881.7	1812.2	1669.5	1468.0	1378.6	1379.8	1478.8	1613.7	1668.9	1632.9
50°	1983.1	1972.9	1929.1	1775.0	1577.7	1499.2	1521.9	1638.3	1782.2	1832.0	1793.0
52.5°	2035.8	2020.3	1986.1	1848.8	1681.4	1618.5	1662.3	1800.2	1942.3	1989.7	1947.1
55°	2010.7	2010.7	1991.5	1893.7	1755.2	1727.6	1815.8	1954.9	2103.0	2155.2	2117.4
57.5°	1909.3	1924.9	1933.9	1881.7	1806.2	1835.6	1975.3	2131.2	2273.3	2330.9	2281.1
60°	1731.8	1736.0	1802.0	1817.0	1826.6	1927.3	2140.8	2326.7	2454.4	2500.0	2443.6
62.5°	1480.6	1500.4	1580.7	1691.6	1796.6	2003.5	2314.7	2523.4	2638.5	2669.1	2586.9
65°	1201.1	1196.3	1345.0	1511.1	1713.8	2025.7	2455.0	2714.1	2803.4	2844.2	2701.5
67.5°	910.9	907.9	1045.2	1288.7	1573.5	2002.3	2568.9	2876.0	2974.3	2975.5	2773.4
70°	645.8	650.6	772.4	1030.8	1392.4	1895.5	2582.7	2999.5	3035.5	3021.1	2729.7
72.5°	438.4	442.0	557.7	789.8	1152.5	1722.8	2467.6	2986.3	2977.9	2937.7	2549.8
75°	282.4	306.4	392.2	600.3	933.1	1474.0	2243.9	2797.4	2753.6	2687.1	2237.3
77.5°	194.9	206.9	272.8	437.2	729.2	1217.3	1926.7	2417.8	2372.3	2290.7	1803.8
80°	131.9	137.3	187.7	326.8	573.9	957.1	1569.9	1946.5	1867.9	1784.0	1352.8
82.5°	88.2	98.3	134.9	234.5	434.2	738.8	1193.9	1486.6	1361.8	1289.3	950.5
85°	58.8	64.2	95.9	170.3	314.2	537.9	859.3	1009.8	900.1	835.9	607.5
87.5°	39.6	44.4	68.4	121.7	232.7	391.0	575.7	652.4	564.3	524.1	367.6
90°	26.4	29.4	50.4	87.6	164.3	272.8	388.6	403.0	346.0	321.4	224.9
92.5°	18.6	21.6	37.8	64.8	115.1	189.5	249.5	244.1	203.9	191.9	145.1
95°	14.4	16.8	29.4	49.8	84.0	130.1	162.5	148.7	128.9	124.7	100.1
97.5°	12.6	13.8	24.6	40.2	63.6	92.3	105.5	100.7	87.0	84.6	73.2
100°	11.4	12.6	21.6	34.8	51.0	67.8	75.6	70.2	63.0	61.2	54.0
102.5°	10.8	11.4	19.2	30.0	42.0	53.4	58.2	52.2	46.8	46.2	41.4
105°	10.2	10.8	16.8	25.8	35.4	43.8	45.6	40.8	36.6	34.8	31.2
107.5°	9.6	9.6	15.0	22.8	30.6	36.6	37.8	33.0	28.2	27.0	24.6
110°	9.0	9.6	13.8	20.4	27.0	31.8	31.8	27.0	22.2	21.0	19.8



REPORT NUMBER: P416073

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.0	9.0	12.6	18.0	24.0	27.6	27.0	22.2	18.0	16.2	16.2
115°	8.4	9.0	12.0	16.8	21.6	24.0	22.8	18.6	14.4	13.2	13.8
117.5°	8.4	9.0	10.8	15.0	19.2	21.0	19.8	15.6	12.0	11.4	12.6
120°	8.4	9.0	10.8	13.8	16.8	18.6	17.4	13.2	10.8	10.2	11.4
122.5°	9.0	9.0	10.2	12.6	15.6	16.8	15.0	11.4	9.6	9.0	10.2
125°	9.0	9.0	10.2	12.0	14.4	15.0	13.2	10.2	8.4	8.4	9.6
127.5°	9.0	9.0	10.2	11.4	13.2	13.2	12.0	9.0	7.8	7.8	9.0
130°	9.0	9.0	9.6	10.8	12.0	12.0	10.2	7.8	7.2	7.2	8.4
132.5°	9.6	9.6	9.6	10.2	10.8	10.8	9.0	7.2	6.6	6.6	8.4
135°	9.0	9.0	9.0	9.6	9.6	9.6	7.8	6.6	6.0	6.6	7.8
137.5°	8.4	8.4	9.0	9.0	9.0	8.4	6.6	5.4	5.4	6.0	7.2
140°	8.4	7.8	8.4	8.4	7.8	7.2	6.0	4.8	4.8	5.4	6.0
142.5°	7.2	7.2	7.2	7.2	6.6	6.0	4.8	4.2	4.8	4.8	5.4
145°	6.6	6.6	6.6	6.0	6.0	4.8	3.6	3.6	3.6	4.2	4.8
147.5°	5.4	5.4	5.4	5.4	4.8	4.2	2.4	3.0	3.0	3.0	3.6
150°	4.2	4.2	4.8	4.2	3.6	3.0	1.8	2.4	3.0	3.0	3.0
152.5°	3.6	3.6	3.6	3.6	3.0	1.8	1.8	2.4	2.4	2.4	3.0
155°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	1.8	2.4	2.4	2.4
157.5°	1.2	1.2	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
160°	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
162.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
165°	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
167.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
170°	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
172.5°	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
175°	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
177.5°	0.0	0.6	1.2	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.8
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P416073

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	129.5	128.3	125.9	123.5	121.7	119.9	118.7	116.9	115.7	115.7	115.7
5°	139.7	138.5	132.5	126.5	121.1	116.3	112.7	108.5	106.7	104.9	105.5
7.5°	160.1	155.9	146.3	136.1	127.1	117.5	110.3	104.3	100.7	98.3	98.3
10°	187.7	181.1	166.7	151.1	136.1	122.3	111.5	103.1	97.1	94.7	94.7
12.5°	223.1	216.5	194.3	170.9	148.1	128.3	114.5	103.7	97.1	94.1	94.1
15°	270.4	259.1	229.1	195.5	162.5	135.5	117.5	108.5	104.3	102.5	102.5
17.5°	326.8	310.0	271.0	220.7	176.9	142.7	125.3	116.9	113.3	112.7	112.7
20°	392.8	371.8	313.0	245.9	188.3	151.7	131.9	124.7	123.5	124.1	124.1
22.5°	467.7	437.2	356.2	268.6	199.1	157.1	136.7	130.7	131.9	134.9	134.3
25°	546.9	514.5	403.6	289.0	206.3	159.5	139.7	136.1	140.9	144.5	144.5
27.5°	639.2	588.9	446.7	303.4	208.1	157.7	140.3	138.5	145.1	150.5	151.7
30°	733.4	668.6	483.9	312.4	204.5	153.5	137.9	139.1	146.9	154.1	154.7
32.5°	828.7	744.2	514.5	314.2	198.5	148.1	135.5	137.9	146.3	154.1	155.3
35°	923.5	814.9	534.9	307.6	188.9	142.7	131.3	135.5	143.9	152.9	154.1
37.5°	1016.4	882.1	547.5	296.8	179.3	137.9	128.3	132.5	140.9	151.1	152.3
40°	1117.8	954.1	554.7	284.2	169.7	133.7	126.5	130.7	139.1	148.7	150.5
42.5°	1210.7	1020.0	555.3	268.6	162.5	131.9	125.3	128.9	136.7	146.9	148.7
45°	1331.8	1087.8	555.3	255.5	157.7	131.3	125.3	128.3	135.5	146.3	148.7
47.5°	1446.4	1165.7	556.5	244.1	155.3	132.5	126.5	127.7	133.7	146.3	148.7
50°	1579.5	1240.7	566.1	235.7	154.7	134.9	128.3	127.1	131.9	145.1	148.1
52.5°	1712.0	1339.6	578.1	229.7	155.9	137.3	129.5	127.1	130.1	142.1	145.7
55°	1857.2	1433.8	591.3	230.3	158.3	139.7	131.3	126.5	127.7	137.3	140.9
57.5°	2002.3	1544.1	620.0	233.9	161.3	142.7	133.1	126.5	124.7	131.9	134.9
60°	2129.4	1641.3	650.0	241.7	165.5	145.7	134.3	125.9	122.3	126.5	128.9
62.5°	2263.7	1747.4	674.0	248.3	170.3	148.1	134.3	125.3	120.5	123.5	124.7
65°	2351.3	1810.4	686.6	256.7	175.1	149.9	134.9	124.1	119.9	121.7	122.9
67.5°	2396.2	1820.6	678.2	259.7	179.3	151.1	134.3	122.9	120.5	121.7	122.9
70°	2342.9	1752.8	638.0	257.9	180.5	151.1	133.1	121.7	120.5	122.3	122.9
72.5°	2149.8	1589.7	578.7	248.9	178.7	148.7	131.3	119.9	119.9	122.9	122.9
75°	1851.2	1355.2	500.7	235.1	173.9	145.1	127.7	116.9	118.1	122.3	122.3
77.5°	1482.4	1072.2	412.6	215.3	164.9	139.1	122.9	112.7	115.7	120.5	119.9
80°	1103.4	798.7	332.2	193.1	152.9	130.7	116.3	107.9	112.1	116.3	115.1
82.5°	735.2	560.7	262.7	169.7	140.3	122.3	109.1	101.3	106.7	110.9	109.1
85°	477.3	373.6	203.3	146.3	127.1	112.7	100.1	94.1	99.5	103.1	101.3
87.5°	297.4	250.7	154.7	124.7	113.3	101.9	92.3	85.8	91.1	94.7	92.3
90°	196.7	167.9	121.7	107.9	100.7	91.7	82.8	78.0	83.4	84.6	82.8
92.5°	129.5	118.7	98.9	92.3	88.7	81.6	75.0	70.8	75.0	75.6	74.4
95°	92.9	89.9	81.6	80.4	78.6	72.6	67.2	63.6	66.0	66.6	64.2
97.5°	70.8	70.2	69.6	69.6	68.4	64.2	59.4	56.4	57.6	57.0	55.2
100°	55.2	56.4	58.2	59.4	58.8	55.8	52.2	49.8	50.4	48.0	46.2
102.5°	43.2	45.6	48.6	50.4	50.4	48.0	46.2	43.8	42.0	39.0	38.4
105°	34.2	36.0	40.2	43.2	43.2	42.0	40.2	37.2	35.4	31.8	31.8
107.5°	27.0	29.4	34.2	36.6	37.2	36.0	34.8	32.4	29.4	25.8	25.8
110°	21.6	23.4	28.8	31.2	31.8	31.2	30.0	27.0	24.0	21.6	21.6



REPORT NUMBER: P416073

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	19.8	24.0	26.4	27.6	27.0	25.8	22.8	19.8	18.0	18.0
115°	15.6	17.4	20.4	22.8	23.4	23.4	21.6	19.8	16.2	15.6	15.6
117.5°	13.8	15.0	18.0	19.8	21.0	20.4	18.6	16.8	14.4	13.8	13.8
120°	12.6	13.8	16.2	18.0	18.0	17.4	16.2	14.4	12.6	12.0	12.6
122.5°	11.4	12.6	14.4	15.6	15.6	15.6	14.4	12.6	10.8	10.8	11.4
125°	10.8	11.4	13.2	13.8	14.4	13.8	12.6	10.8	9.6	10.2	10.2
127.5°	10.2	10.8	12.0	12.6	12.6	12.0	10.8	9.6	8.4	9.0	9.6
130°	9.6	10.2	10.8	11.4	11.4	10.8	9.6	8.4	7.8	8.4	8.4
132.5°	8.4	9.0	9.6	10.2	9.6	9.6	8.4	7.2	7.2	7.8	7.8
135°	7.8	8.4	8.4	9.0	8.4	8.4	7.2	6.6	6.6	7.2	7.2
137.5°	7.2	7.8	7.8	7.8	7.2	7.2	6.6	6.0	6.0	6.0	6.6
140°	6.6	6.6	6.6	6.6	6.0	6.0	5.4	4.8	5.4	5.4	5.4
142.5°	6.0	6.0	6.0	5.4	5.4	4.8	4.2	4.2	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.2	4.2	3.6	3.6	3.6	4.2	4.2	4.2
147.5°	4.2	4.2	4.2	3.6	3.0	3.0	3.0	3.0	3.6	3.6	3.6
150°	3.6	3.6	3.6	3.0	2.4	2.4	1.8	2.4	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	3.0	2.4	1.2	1.8	2.4	2.4	2.4	2.4
155°	2.4	2.4	3.0	2.4	1.8	0.6	1.2	1.8	1.8	1.8	1.8
157.5°	2.4	2.4	2.4	1.8	1.2	0.6	1.2	1.2	1.8	1.2	1.8
160°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
162.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	0.6	0.6	0.6
165°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)