

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: P416693

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575 lumens
Efficiency: N/A
Efficacy: 91.3 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: B2 - U3 - G4

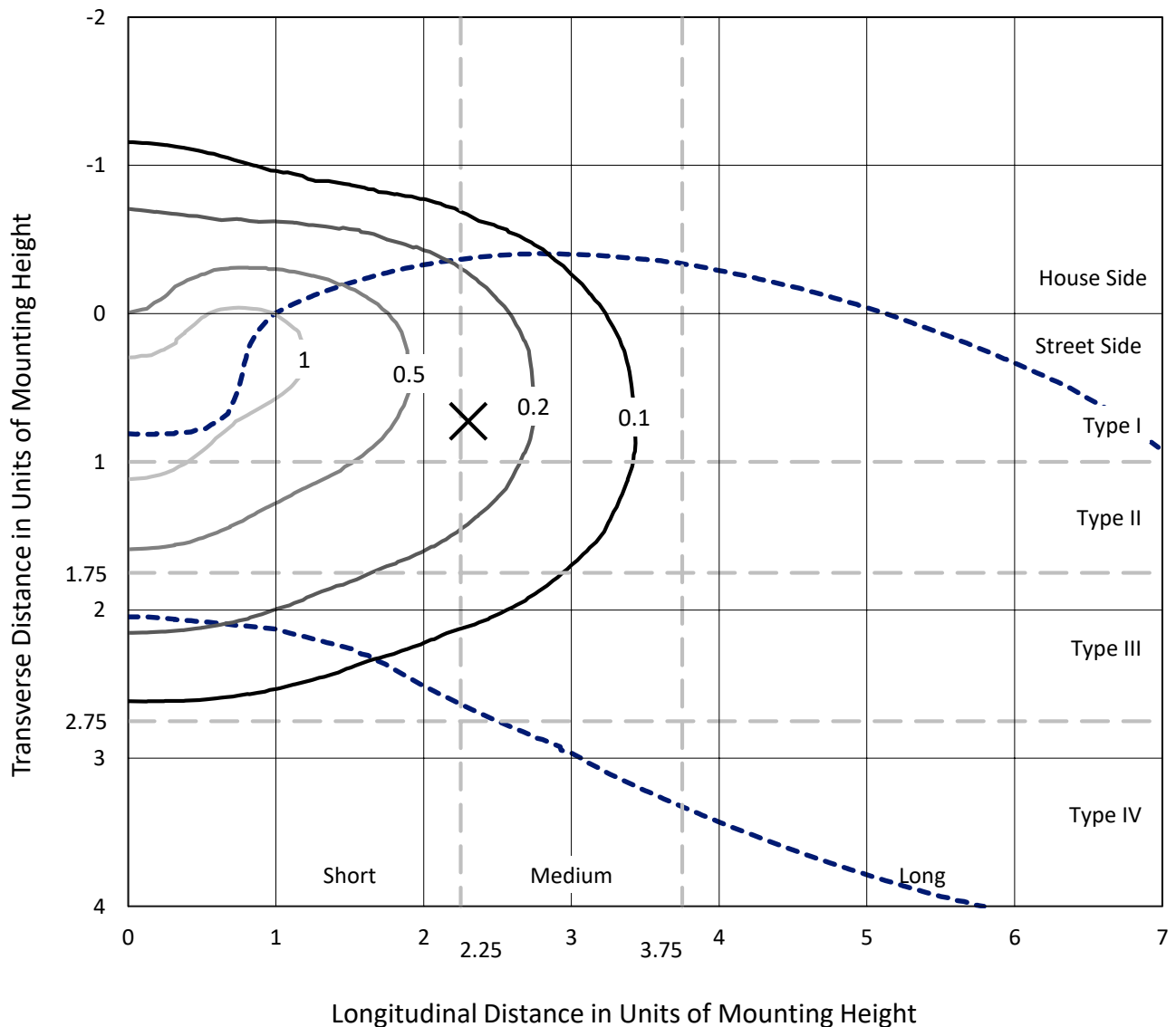
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416693
 CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

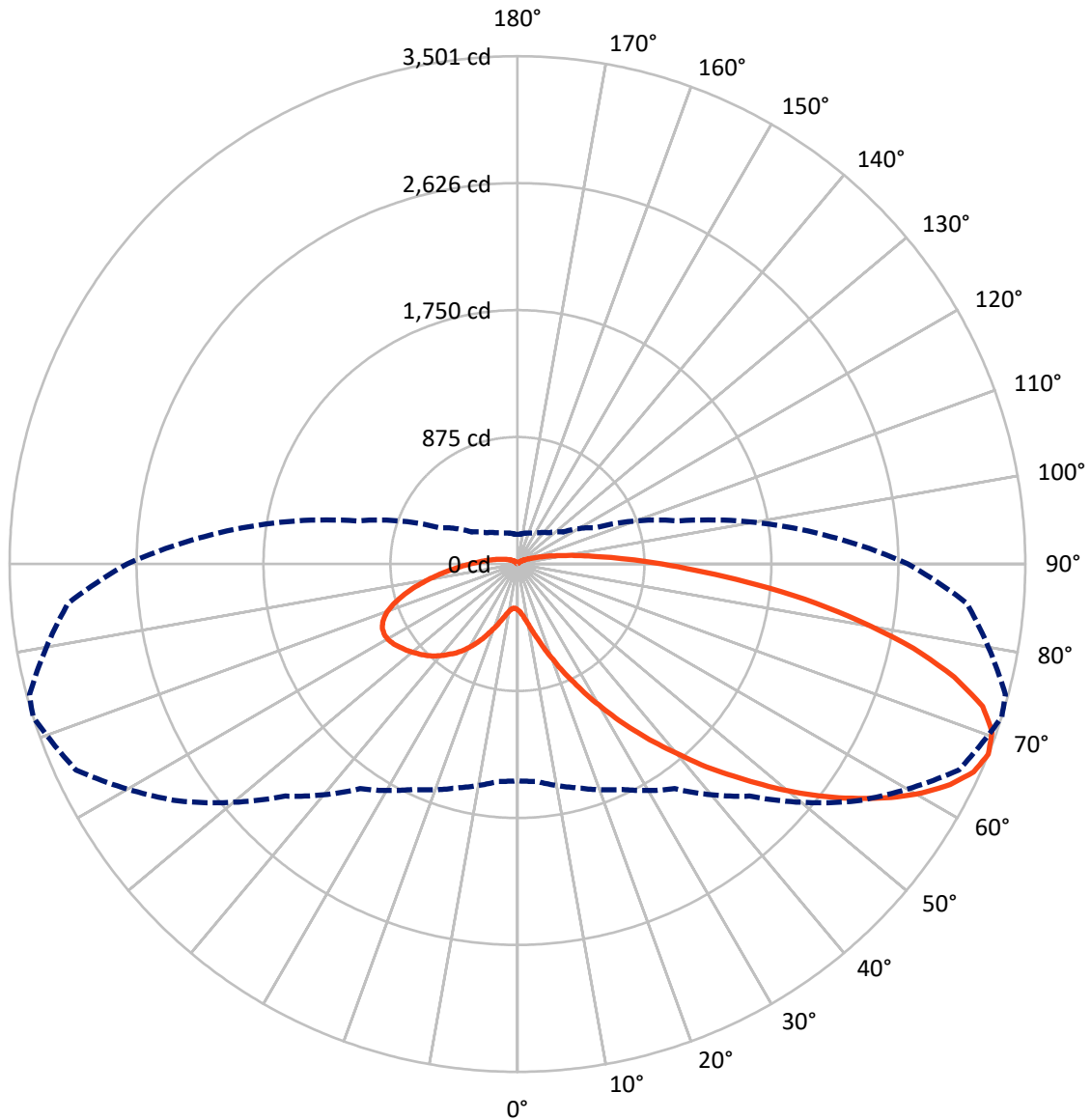
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416693
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416693

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.2	218.8	1757.0
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	5393.7	424.2	5817.9
	% Fixture	71.2	5.6	76.8
Total	Lumens	6932.0	643.0	7575.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.4
10°-20°	129.2	1.7
20°-30°	312.1	4.1
30°-40°	594.9	7.9
40°-50°	957.5	12.6
50°-60°	1324.8	17.5
60°-70°	1522.1	20.1
70°-80°	1306.5	17.2
80°-90°	752.2	9.9
90°-100°	340.0	4.5
100°-110°	156.3	2.1
110°-120°	78.5	1.0
120°-130°	40.7	0.5
130°-140°	19.4	0.3
140°-150°	6.6	0.1
150°-160°	1.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6932.0	91.5
0°-180°	7575.0	100.0



REPORT NUMBER: P416693

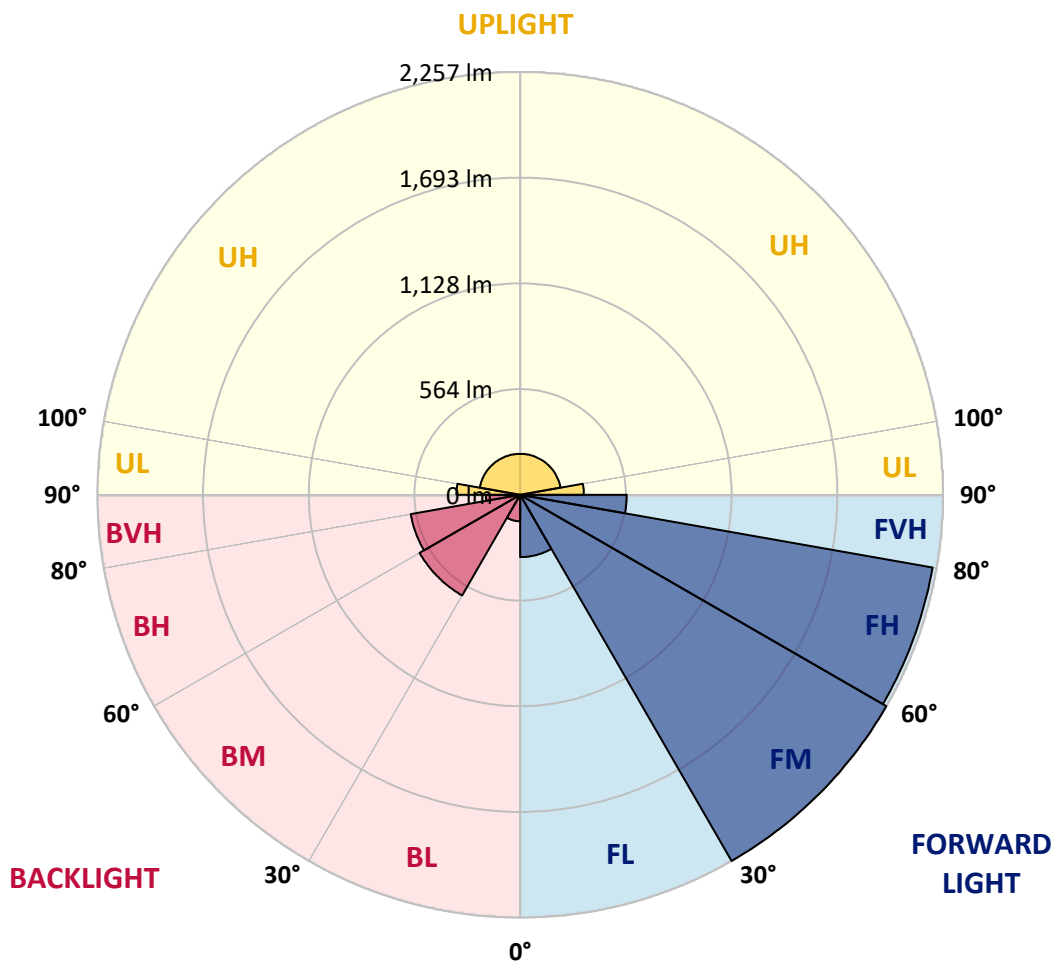
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.7	4.4			
FM	(30°-60°)	2256.9	29.8			
FH	(60°-80°)	2235.5	29.5			G2/5000
FVH	(80°-90°)	568.7	7.5			G4/750
BL	(0°-30°)	141.3	1.9	B1/500		
BM	(30°-60°)	620.2	8.2	B1/1000		
BH	(60°-80°)	593.2	7.8	B2/1000		G2/1000
BVH	(80°-90°)	183.6	2.4			G2/225
UL	(90°-100°)	340.0	4.5		U3/500	
UH	(100°-180°)	218.8	2.9		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416693

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
2.5°	354.3	353.3	354.3	351.5	348.8	343.3	339.7	332.4	328.8	326.9	319.6
5°	404.3	403.4	402.5	398.9	389.8	383.4	372.5	359.7	351.5	347.9	336.0
7.5°	459.0	457.2	455.3	447.1	440.8	429.8	413.4	397.1	383.4	380.7	358.8
10°	520.9	519.1	515.4	509.1	497.2	481.7	467.2	443.5	426.2	418.0	394.3
12.5°	584.7	588.3	583.7	571.0	557.3	542.8	521.8	499.1	480.8	474.5	438.0
15°	662.1	664.8	660.2	645.7	631.1	609.2	592.9	569.2	544.6	540.9	500.9
17.5°	747.7	746.8	737.7	724.0	711.2	693.9	670.3	648.4	621.1	614.7	565.5
20°	840.6	836.9	828.7	806.0	794.1	774.1	759.5	729.5	703.0	693.9	644.8
22.5°	933.4	931.6	924.3	903.4	888.8	871.5	849.7	822.3	804.1	785.9	731.3
25°	1050.0	1039.1	1030.0	992.6	979.0	962.6	943.5	920.7	903.4	893.4	830.5
27.5°	1166.6	1158.4	1137.4	1110.1	1083.7	1057.3	1049.1	1029.1	1023.6	1015.4	944.4
30°	1282.2	1278.6	1255.8	1221.2	1183.0	1157.5	1152.9	1154.7	1146.5	1136.5	1060.9
32.5°	1413.4	1405.2	1379.7	1333.2	1293.2	1263.1	1263.1	1275.9	1283.1	1273.1	1193.0
35°	1541.8	1534.5	1502.6	1445.2	1400.6	1364.2	1378.8	1408.8	1426.1	1426.1	1326.9
37.5°	1677.5	1661.1	1628.3	1568.2	1508.1	1481.7	1498.1	1550.0	1575.5	1575.5	1475.3
40°	1795.9	1794.9	1750.3	1678.4	1619.2	1580.0	1630.1	1699.3	1733.0	1730.3	1624.7
42.5°	1914.2	1913.3	1870.5	1791.3	1716.6	1696.6	1759.4	1856.9	1911.5	1911.5	1775.8
45°	2020.8	2013.5	1977.1	1889.7	1820.4	1811.3	1904.2	2028.1	2084.5	2093.7	1939.7
47.5°	2099.1	2092.7	2060.9	1976.2	1910.6	1927.0	2039.0	2196.6	2273.1	2272.1	2107.3
50°	2151.9	2145.6	2118.2	2045.4	1988.9	2029.9	2185.6	2375.1	2470.7	2478.0	2273.1
52.5°	2167.4	2163.8	2149.2	2089.1	2052.7	2122.8	2323.1	2557.2	2665.6	2671.9	2454.3
55°	2141.0	2141.0	2140.1	2103.7	2089.1	2205.7	2465.2	2734.8	2852.2	2864.1	2632.8
57.5°	2079.1	2081.8	2098.2	2086.4	2108.2	2272.1	2585.4	2895.1	3037.1	3044.4	2792.1
60°	1985.3	1979.8	2016.2	2038.1	2097.3	2314.0	2692.0	3056.2	3204.7	3207.4	2932.4
62.5°	1843.2	1845.9	1898.8	1956.1	2058.1	2331.3	2785.8	3197.4	3347.7	3354.0	3041.7
65°	1675.7	1682.0	1754.0	1850.5	1990.7	2313.1	2839.5	3305.8	3456.0	3447.8	3104.5
67.5°	1494.4	1503.5	1597.3	1714.8	1890.6	2262.1	2848.6	3357.7	3500.7	3482.4	3110.0
70°	1295.9	1319.6	1413.4	1566.4	1761.3	2164.7	2795.8	3348.6	3470.6	3453.3	3028.9
72.5°	1115.6	1132.9	1235.8	1395.2	1616.5	2023.5	2683.8	3243.8	3353.1	3318.5	2859.5
75°	936.2	962.6	1060.0	1230.3	1459.8	1848.7	2493.4	3041.7	3109.1	3071.7	2607.3
77.5°	783.2	806.9	903.4	1067.3	1287.7	1665.6	2243.9	2734.8	2790.3	2752.1	2288.5
80°	638.4	664.8	758.6	919.8	1126.5	1450.7	1958.0	2376.0	2396.9	2336.8	1937.0
82.5°	533.7	547.3	634.7	776.8	967.1	1251.3	1664.7	1993.5	1994.4	1922.4	1573.7
85°	436.2	444.4	524.6	653.0	816.0	1057.3	1366.9	1605.5	1587.3	1548.2	1213.0
87.5°	353.3	361.5	433.5	549.1	686.7	882.4	1115.6	1264.0	1221.2	1190.3	941.6
90°	289.6	298.7	357.9	458.1	576.5	728.5	887.9	977.2	938.9	915.2	725.8
92.5°	236.8	245.9	297.8	383.4	488.1	596.5	705.8	747.7	721.3	693.9	547.3
95°	200.3	202.2	248.6	320.6	403.4	481.7	552.8	577.4	540.9	530.9	423.5
97.5°	164.8	170.3	206.7	270.5	337.0	401.6	438.0	450.8	418.0	396.1	324.2
100°	140.2	143.0	174.9	225.8	280.5	326.9	355.2	348.8	319.6	306.9	245.9
102.5°	120.2	122.9	148.4	195.8	238.6	272.3	286.0	275.9	248.6	240.4	193.1
105°	105.6	106.5	127.5	165.7	202.2	230.4	235.9	220.4	194.0	183.0	152.1
107.5°	93.8	94.7	111.1	143.9	174.9	194.0	195.8	178.5	153.0	144.8	122.0
110°	83.8	85.6	97.4	124.8	151.2	165.7	163.9	145.7	122.0	114.7	100.2



REPORT NUMBER: P416693

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	75.6	77.4	86.5	109.3	131.1	143.9	139.3	117.5	97.4	92.9	82.9
115°	69.2	71.0	78.3	96.5	115.7	124.8	117.5	97.4	80.1	74.7	69.2
117.5°	64.7	65.6	71.0	85.6	100.2	107.5	99.3	81.1	65.6	61.9	59.2
120°	60.1	61.0	65.6	75.6	88.3	92.0	83.8	66.5	54.6	52.8	51.9
122.5°	56.5	56.5	60.1	67.4	76.5	79.2	71.0	55.6	46.4	44.6	45.5
125°	52.8	52.8	54.6	60.1	66.5	68.3	59.2	46.4	39.2	38.2	40.1
127.5°	49.2	49.2	50.1	53.7	57.4	57.4	49.2	38.2	33.7	32.8	35.5
130°	45.5	45.5	45.5	47.4	49.2	48.3	40.1	31.9	29.1	29.1	31.0
132.5°	41.9	41.9	41.9	41.9	41.0	39.2	32.8	25.5	25.5	25.5	27.3
135°	37.3	37.3	37.3	36.4	34.6	31.9	25.5	20.9	20.9	21.9	23.7
137.5°	33.7	33.7	32.8	31.0	28.2	24.6	20.0	16.4	18.2	18.2	20.0
140°	29.1	29.1	28.2	25.5	21.9	18.2	14.6	13.7	14.6	15.5	17.3
142.5°	24.6	24.6	23.7	20.9	17.3	12.7	10.0	10.0	11.8	11.8	13.7
145°	20.0	20.0	19.1	16.4	11.8	8.2	6.4	7.3	9.1	9.1	10.0
147.5°	15.5	15.5	14.6	11.8	8.2	5.5	3.6	5.5	6.4	6.4	7.3
150°	10.9	10.9	10.0	8.2	5.5	2.7	1.8	2.7	3.6	4.6	4.6
152.5°	7.3	7.3	6.4	5.5	2.7	0.9	1.8	2.7	2.7	2.7	3.6
155°	4.6	3.6	3.6	2.7	0.9	0.0	0.9	1.8	1.8	1.8	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	1.8	1.8
160°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
162.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
165°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
167.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
172.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
175°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P416693

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
2.5°	317.8	314.2	308.7	303.3	297.8	294.1	290.5	288.7	286.0	283.2	283.2
5°	328.8	321.5	308.7	296.0	284.1	274.1	264.1	258.6	255.0	251.3	252.3
7.5°	348.8	337.9	316.9	296.0	276.8	260.5	246.8	235.9	228.6	224.0	224.9
10°	377.0	365.2	333.3	303.3	275.9	252.3	233.1	217.7	208.5	204.0	204.0
12.5°	421.6	401.6	359.7	316.9	280.5	248.6	224.0	205.8	193.1	187.6	186.7
15°	475.4	447.1	396.1	343.3	291.4	248.6	216.7	204.0	195.8	192.2	191.2
17.5°	539.1	508.2	438.0	367.9	306.0	254.1	226.8	211.3	202.2	198.5	197.6
20°	608.3	571.9	483.6	398.9	320.6	270.5	236.8	217.7	207.6	204.0	204.0
22.5°	693.0	644.8	532.7	426.2	338.8	284.1	246.8	223.1	214.0	210.4	209.5
25°	780.5	725.8	591.0	455.3	358.8	295.1	254.1	228.6	219.5	215.8	216.7
27.5°	883.4	813.2	648.4	484.5	376.1	301.4	257.7	233.1	224.0	221.3	222.2
30°	990.8	902.5	699.4	514.5	387.9	306.0	260.5	236.8	226.8	224.9	224.9
32.5°	1104.7	1004.5	752.2	540.9	395.2	306.9	260.5	238.6	228.6	227.7	228.6
35°	1221.2	1102.8	803.2	561.9	398.9	306.0	259.5	240.4	228.6	228.6	228.6
37.5°	1350.5	1199.4	846.0	576.5	399.8	303.3	258.6	239.5	228.6	228.6	229.5
40°	1483.5	1302.3	893.4	588.3	398.9	301.4	257.7	239.5	228.6	228.6	229.5
42.5°	1615.5	1397.9	938.0	595.6	397.1	299.6	256.8	239.5	228.6	226.8	227.7
45°	1758.5	1509.0	980.8	600.1	395.2	298.7	256.8	238.6	228.6	224.9	225.8
47.5°	1891.5	1611.9	1015.4	605.6	394.3	298.7	257.7	238.6	227.7	224.0	224.0
50°	2041.7	1718.5	1050.9	607.4	392.5	298.7	257.7	238.6	226.8	221.3	222.2
52.5°	2190.2	1825.9	1085.5	611.1	392.5	299.6	258.6	238.6	225.8	218.6	218.6
55°	2332.3	1921.5	1116.5	613.8	392.5	301.4	261.4	238.6	224.9	215.8	215.8
57.5°	2462.5	2019.9	1147.5	614.7	392.5	303.3	261.4	239.5	224.0	213.1	213.1
60°	2578.1	2104.6	1169.3	615.6	391.6	305.1	263.2	238.6	223.1	210.4	210.4
62.5°	2660.1	2169.2	1180.2	612.9	391.6	305.1	264.1	238.6	222.2	209.5	208.5
65°	2706.5	2192.0	1173.9	604.7	389.8	305.1	263.2	237.7	220.4	207.6	206.7
67.5°	2691.1	2167.4	1146.5	591.9	385.2	304.2	263.2	235.9	220.4	206.7	204.9
70°	2607.3	2093.7	1094.6	572.8	378.8	300.5	259.5	233.1	218.6	205.8	204.0
72.5°	2443.4	1945.2	1019.1	542.8	367.9	295.1	255.0	228.6	214.9	203.1	200.3
75°	2215.7	1768.5	927.1	511.8	354.3	287.8	249.5	224.0	210.4	199.4	196.7
77.5°	1923.4	1532.7	825.1	471.7	337.0	277.8	242.2	216.7	204.0	194.0	190.3
80°	1620.1	1291.3	714.9	429.8	318.7	265.0	231.3	207.6	195.8	186.7	182.1
82.5°	1311.4	1060.9	612.0	389.8	297.8	250.4	220.4	197.6	186.7	176.7	172.1
85°	1034.5	838.7	512.7	347.9	275.9	235.9	207.6	185.8	175.8	164.8	160.3
87.5°	805.0	665.7	428.9	309.6	252.3	219.5	194.0	173.9	162.1	152.1	148.4
90°	627.5	524.6	358.8	273.2	231.3	203.1	179.4	161.2	149.4	139.3	134.8
92.5°	478.1	415.3	300.5	241.3	210.4	186.7	165.7	148.4	136.6	125.7	121.1
95°	374.3	329.7	254.1	212.2	189.4	169.4	152.1	135.7	122.9	111.1	108.4
97.5°	290.5	264.1	214.0	185.8	171.2	153.0	137.5	122.9	110.2	98.4	95.6
100°	229.5	210.4	181.2	164.8	152.1	137.5	123.9	111.1	97.4	84.7	83.8
102.5°	181.2	173.0	153.9	144.8	134.8	123.9	112.0	98.4	84.7	72.9	71.9
105°	148.4	141.2	132.0	126.6	120.2	110.2	99.3	87.4	73.8	62.8	62.8
107.5°	120.2	116.6	112.0	111.1	106.5	98.4	89.2	77.4	63.7	54.6	54.6
110°	98.4	97.4	97.4	97.4	94.7	88.3	79.2	67.4	53.7	47.4	47.4



REPORT NUMBER: P416693

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	82.9	82.9	83.8	85.6	83.8	77.4	69.2	58.3	46.4	41.0	41.0
115°	70.1	71.0	73.8	74.7	73.8	69.2	61.0	50.1	39.2	35.5	36.4
117.5°	61.0	61.0	64.7	66.5	65.6	61.0	52.8	42.8	33.7	31.9	31.9
120°	52.8	54.6	57.4	58.3	57.4	52.8	46.4	36.4	29.1	28.2	28.2
122.5°	46.4	47.4	50.1	51.9	50.1	46.4	39.2	31.0	24.6	24.6	25.5
125°	41.0	41.9	43.7	45.5	43.7	39.2	33.7	25.5	21.9	21.9	21.9
127.5°	36.4	37.3	39.2	39.2	37.3	33.7	28.2	21.9	18.2	19.1	19.1
130°	31.9	32.8	33.7	33.7	32.8	29.1	23.7	18.2	16.4	17.3	17.3
132.5°	28.2	29.1	29.1	29.1	27.3	24.6	20.0	15.5	14.6	15.5	15.5
135°	24.6	24.6	25.5	24.6	22.8	20.0	15.5	12.7	12.7	13.7	13.7
137.5°	20.9	21.9	21.9	20.0	18.2	15.5	12.7	10.9	10.9	11.8	11.8
140°	17.3	18.2	17.3	16.4	14.6	12.7	10.0	8.2	9.1	10.0	10.0
142.5°	14.6	14.6	14.6	12.7	10.9	9.1	7.3	7.3	8.2	8.2	9.1
145°	10.9	10.9	10.9	10.0	8.2	6.4	5.5	5.5	6.4	7.3	7.3
147.5°	8.2	8.2	8.2	7.3	5.5	4.6	3.6	4.6	5.5	6.4	5.5
150°	5.5	5.5	5.5	4.6	3.6	2.7	2.7	3.6	4.6	4.6	4.6
152.5°	3.6	3.6	3.6	3.6	2.7	0.9	1.8	2.7	3.6	3.6	3.6
155°	2.7	2.7	2.7	2.7	1.8	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)