

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: P416899

Luminaire Tested: **LXF.LXT-PA1-80-827-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6270 lumens
Efficiency: N/A
Efficacy: 75.5 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

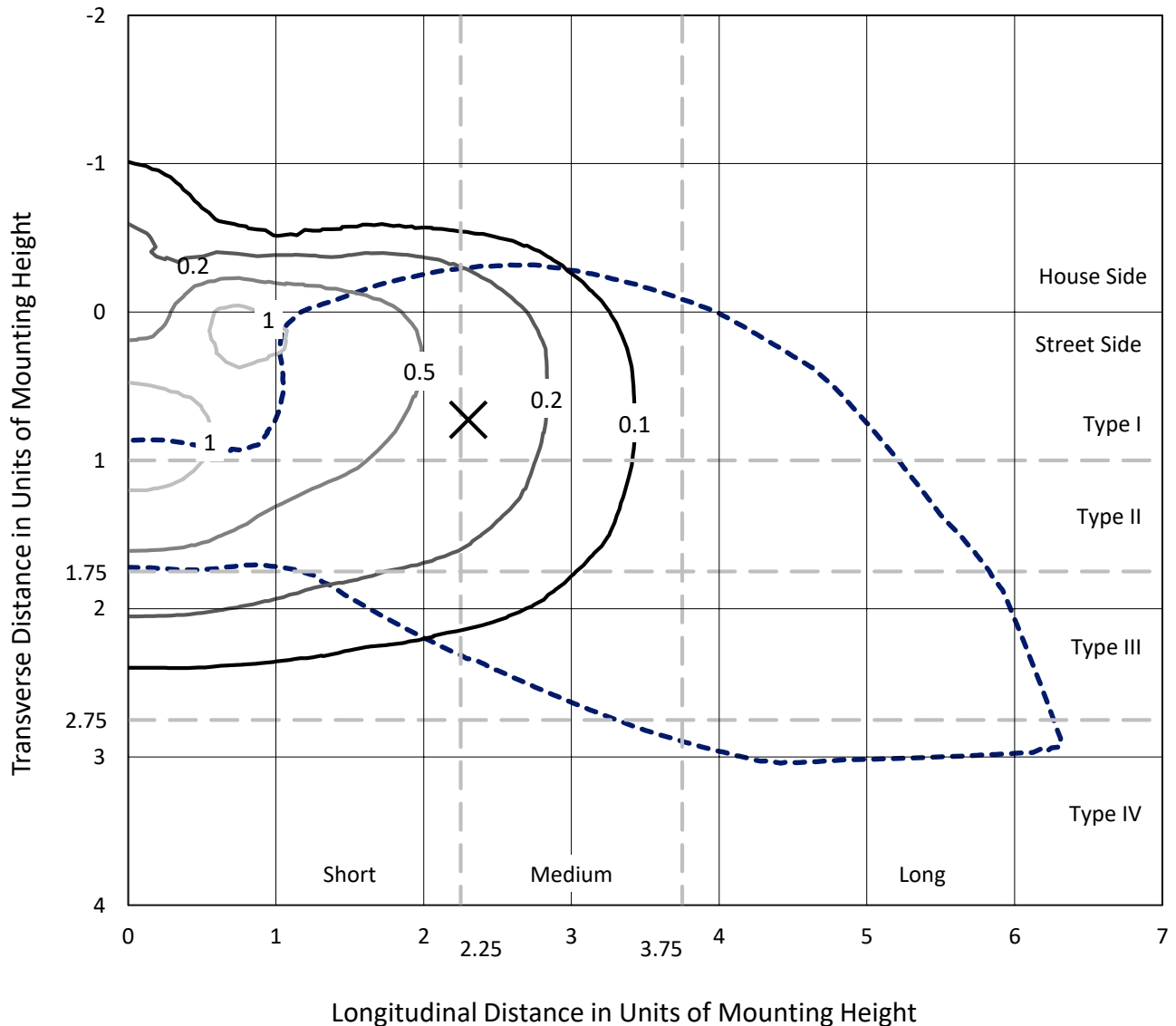
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416899
 CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

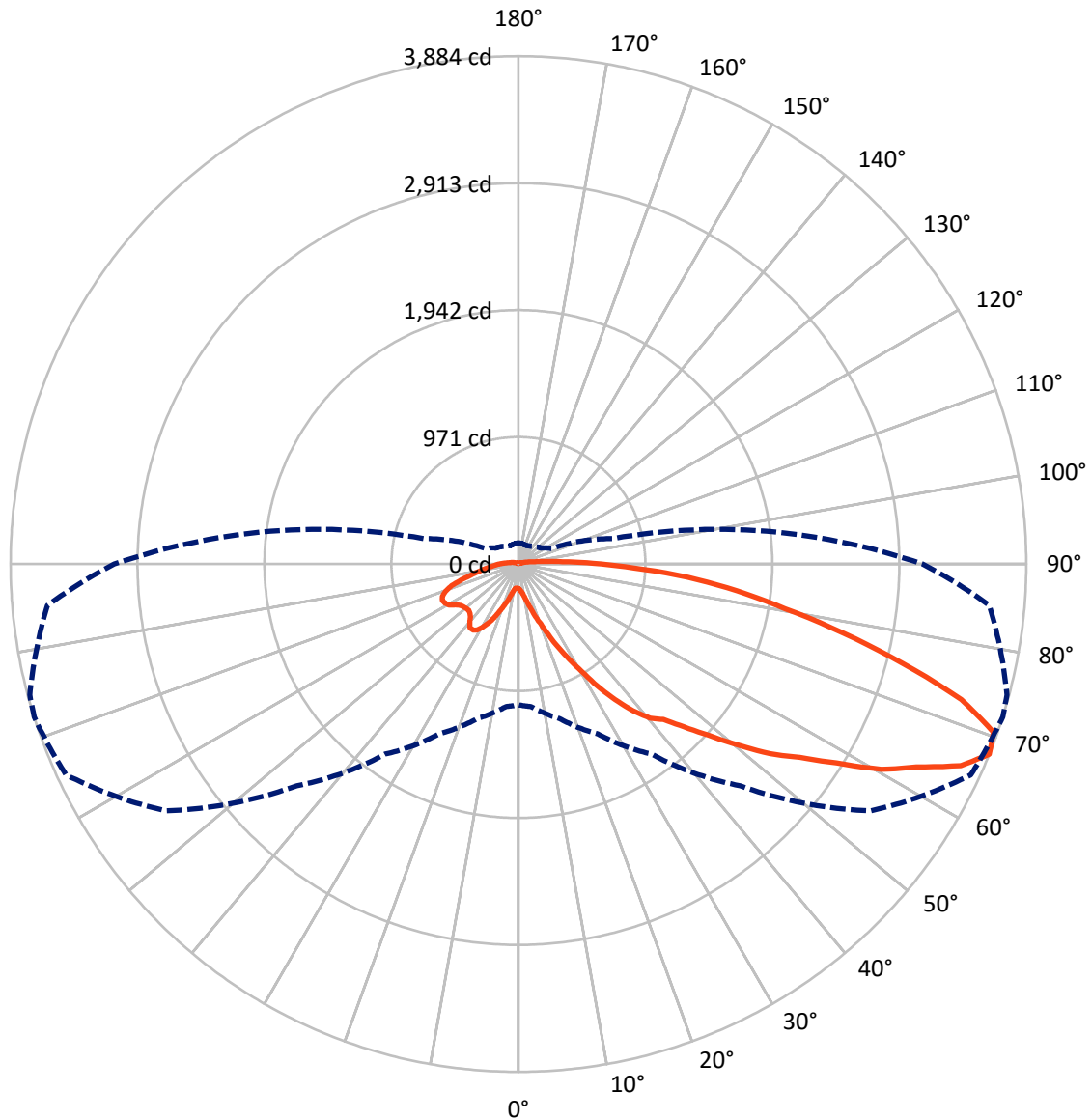
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416899
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416899

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1097.1	96.4	1193.5
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4940.1	136.4	5076.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	6037.2	232.8	6270.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.3
10°-20°	84.6	1.3
20°-30°	234.5	3.7
30°-40°	504.2	8.0
40°-50°	853.4	13.6
50°-60°	1252.1	20.0
60°-70°	1493.3	23.8
70°-80°	1115.2	17.8
80°-90°	480.2	7.7
90°-100°	139.3	2.2
100°-110°	45.3	0.7
110°-120°	21.2	0.3
120°-130°	13.0	0.2
130°-140°	8.3	0.1
140°-150°	3.7	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-90°	6037.2	96.3
0°-180°	6270.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416899

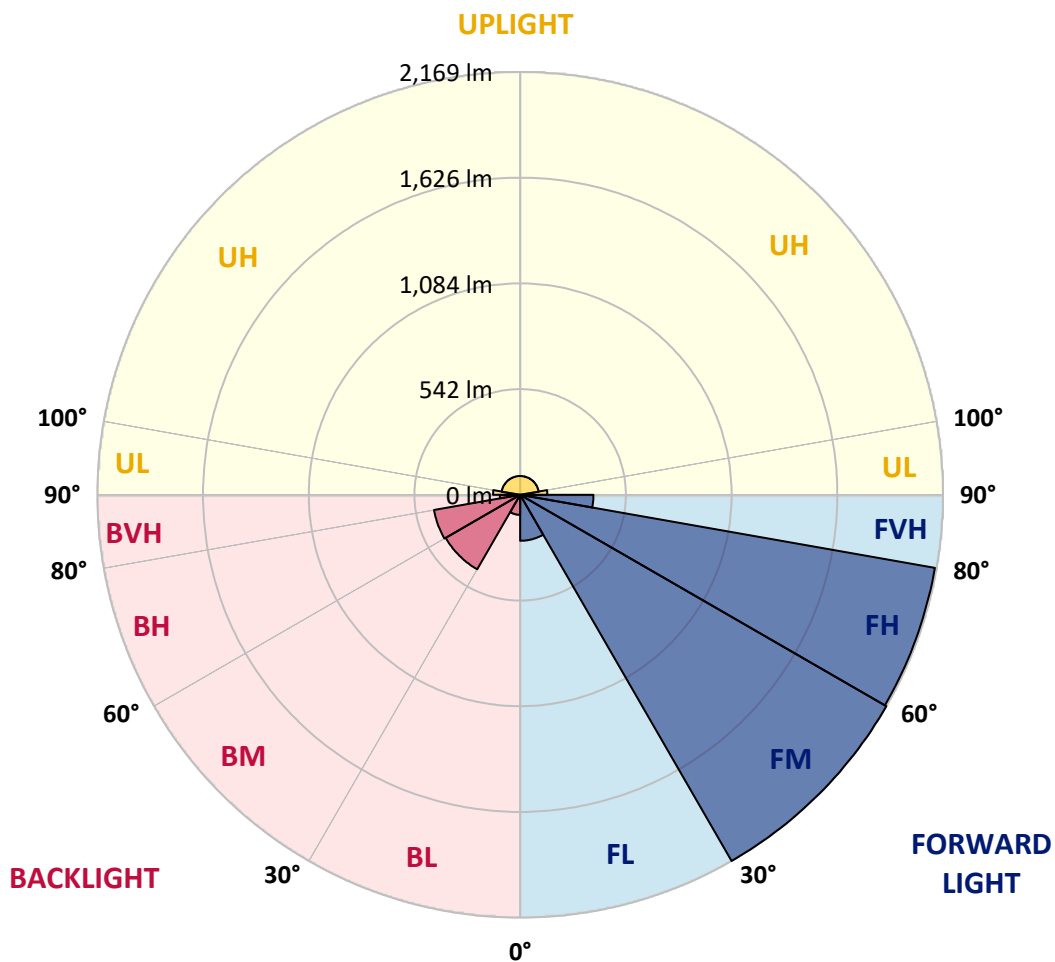
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.9	3.8			
FM (30°-60°)	2168.6	34.6			
FH (60°-80°)	2159.9	34.4			G2/5000
FVH (80°-90°)	375.7	6.0			G3/500
BL (0°-30°)	102.8	1.6	B0/110		
BM (30°-60°)	441.2	7.0	B1/1000		
BH (60°-80°)	448.5	7.2	B1/500		G1/500
BVH (80°-90°)	104.6	1.7			G2/225
UL (90°-100°)	139.3	2.2		U3/500	
UH (100°-180°)	96.4	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P416899

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
2.5°	205.8	207.3	208.8	208.0	207.3	205.1	201.4	197.7	194.1	194.1	191.1
5°	235.2	234.5	233.8	234.5	230.8	225.7	219.8	213.2	208.0	206.6	199.2
7.5°	269.1	267.6	269.1	264.6	259.5	252.9	244.1	235.2	226.4	224.9	213.2
10°	309.5	308.0	307.3	303.6	294.0	284.5	275.7	261.7	255.1	252.9	237.4
12.5°	360.2	359.5	355.1	347.7	335.2	325.7	313.2	305.8	299.2	294.0	278.6
15°	418.3	419.8	414.6	399.2	383.7	369.0	363.1	357.3	352.1	349.9	336.7
17.5°	499.9	496.9	485.2	461.7	436.7	424.9	419.8	416.1	421.2	419.8	399.2
20°	600.6	593.2	574.9	534.4	503.6	484.4	480.0	486.7	489.6	496.9	483.0
22.5°	718.9	709.4	678.5	632.9	588.1	552.1	547.7	567.5	585.9	588.1	582.2
25°	834.4	825.5	798.3	738.8	678.5	630.7	620.4	664.5	701.3	707.9	716.0
27.5°	952.7	948.3	908.6	843.9	777.8	717.5	716.0	763.8	821.1	836.6	850.5
30°	1087.2	1097.5	1047.5	965.9	882.9	813.0	809.4	879.9	950.5	983.6	1007.1
32.5°	1276.9	1268.1	1205.6	1114.4	990.9	909.3	914.5	996.8	1115.9	1143.8	1174.7
35°	1494.5	1497.4	1412.2	1270.3	1124.7	1024.0	1020.3	1135.0	1273.2	1296.8	1348.2
37.5°	1673.1	1687.8	1624.6	1461.4	1274.7	1144.6	1149.7	1278.4	1423.9	1471.0	1515.8
40°	1865.0	1878.2	1804.7	1645.9	1437.9	1277.6	1285.0	1410.0	1548.9	1587.1	1598.2
42.5°	2074.5	2087.7	1998.8	1810.6	1575.4	1437.9	1409.2	1504.8	1626.1	1673.9	1683.4
45°	2270.8	2293.6	2203.9	1982.6	1729.0	1582.0	1538.6	1615.8	1774.6	1818.7	1829.0
47.5°	2331.1	2358.3	2319.3	2138.5	1876.0	1706.2	1677.5	1784.9	1956.2	2021.6	2008.4
50°	2389.1	2414.1	2390.6	2230.4	1998.1	1850.3	1856.9	1981.9	2176.0	2259.8	2249.5
52.5°	2398.0	2423.7	2399.4	2287.0	2102.4	1995.9	2069.4	2217.1	2409.7	2470.7	2456.0
55°	2412.7	2429.6	2407.5	2280.3	2178.2	2151.0	2289.9	2458.2	2611.1	2683.9	2659.7
57.5°	2208.3	2214.9	2295.0	2261.2	2194.3	2323.0	2538.4	2690.5	2870.6	2979.4	2966.9
60°	1914.3	1928.2	2027.5	2105.4	2183.3	2445.7	2782.4	3012.5	3189.0	3260.3	3192.6
62.5°	1672.4	1687.8	1792.2	1892.2	2089.9	2500.1	3037.5	3300.7	3416.8	3481.5	3401.4
65°	1347.5	1359.2	1486.4	1682.7	1937.8	2478.8	3228.7	3600.6	3717.5	3743.2	3588.1
67.5°	1077.0	1094.6	1224.0	1433.5	1774.6	2398.0	3291.1	3816.7	3884.4	3868.9	3615.3
70°	801.3	810.1	968.2	1234.3	1581.2	2221.5	3231.6	3865.3	3855.0	3835.1	3487.4
72.5°	552.1	550.6	699.1	958.6	1379.8	2020.1	2954.5	3591.1	3542.5	3491.1	3050.8
75°	356.5	376.4	469.0	696.9	1115.9	1729.0	2595.7	3118.4	3036.0	2954.5	2513.4
77.5°	240.4	254.4	329.3	499.1	852.7	1454.1	2234.0	2678.0	2540.6	2466.3	2028.9
80°	165.4	171.3	228.6	366.8	634.4	1153.4	1829.7	2216.4	2066.4	1978.2	1574.6
82.5°	116.1	120.6	159.5	270.5	477.8	861.6	1460.7	1843.7	1686.4	1622.4	1223.2
85°	83.8	86.7	114.7	201.4	363.1	646.9	1111.5	1434.2	1297.5	1248.2	874.1
87.5°	62.5	65.4	86.7	149.2	279.3	491.8	829.2	1027.0	879.9	816.0	552.1
90°	46.3	49.3	66.9	111.7	218.3	370.5	600.6	702.0	571.2	517.5	352.1
92.5°	34.6	36.8	50.0	81.6	166.9	283.8	423.4	444.0	338.2	308.0	222.0
95°	25.7	27.2	37.5	59.5	119.1	206.6	277.1	259.5	199.2	180.8	140.4
97.5°	21.3	22.1	29.4	45.6	83.8	144.8	177.9	159.5	128.6	119.8	97.0
100°	17.6	18.4	23.5	34.6	61.0	99.2	117.6	103.7	89.7	86.0	75.7
102.5°	15.4	16.2	19.8	28.7	45.6	71.3	81.6	74.2	66.2	63.2	58.8
105°	14.0	14.0	17.6	24.3	37.5	53.7	59.5	54.4	49.3	47.8	47.0
107.5°	12.5	12.5	15.4	21.3	30.9	41.9	44.8	40.4	36.0	35.3	37.5
110°	11.8	11.8	14.0	19.1	26.5	34.6	35.3	30.1	27.2	27.2	30.1



REPORT NUMBER: P416899

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.0	11.0	13.2	16.9	23.5	28.7	27.9	23.5	21.3	21.3	25.0
115°	11.0	11.0	12.5	16.2	20.6	24.3	22.8	19.1	17.6	17.6	21.3
117.5°	11.0	11.8	12.5	15.4	19.1	21.3	19.8	16.2	15.4	15.4	19.1
120°	11.8	11.8	12.5	15.4	17.6	18.4	16.9	14.0	13.2	14.0	17.6
122.5°	11.8	11.8	13.2	15.4	16.9	16.9	14.7	12.5	12.5	12.5	16.2
125°	12.5	12.5	13.2	15.4	16.2	15.4	13.2	11.8	11.8	12.5	14.7
127.5°	13.2	13.2	14.0	15.4	15.4	14.0	12.5	11.0	11.0	11.8	14.7
130°	14.7	14.7	14.7	15.4	14.0	12.5	11.0	10.3	11.0	11.8	14.7
132.5°	14.7	14.7	14.7	14.7	13.2	11.0	10.3	9.6	11.0	11.8	14.0
135°	13.2	13.2	13.2	13.2	11.8	9.6	8.8	8.8	10.3	11.0	13.2
137.5°	11.8	11.8	11.8	11.0	10.3	8.8	7.4	7.4	8.8	9.6	11.8
140°	10.3	10.3	9.6	9.6	8.8	7.4	6.6	6.6	7.4	8.1	9.6
142.5°	8.1	8.1	8.1	8.1	7.4	5.9	5.1	5.1	6.6	7.4	8.1
145°	6.6	6.6	6.6	6.6	5.9	5.1	4.4	4.4	5.1	5.9	6.6
147.5°	5.1	5.1	5.9	5.9	5.1	4.4	2.9	3.7	4.4	4.4	5.1
150°	4.4	4.4	4.4	5.1	3.7	2.9	2.2	2.9	3.7	3.7	4.4
152.5°	3.7	3.7	3.7	3.7	2.9	1.5	2.2	2.9	2.9	3.7	3.7
155°	2.2	2.2	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9	3.7
157.5°	1.5	1.5	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2	2.9
160°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P416899

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
2.5°	188.9	187.5	184.5	181.6	178.6	175.7	175.0	173.5	172.8	172.0	172.8
5°	196.3	191.9	185.3	178.6	172.8	167.6	163.9	160.3	157.3	155.8	155.8
7.5°	209.5	202.2	191.1	180.1	169.8	161.0	155.1	150.0	146.3	144.8	144.1
10°	230.1	221.3	205.1	187.5	172.0	158.8	150.0	144.1	140.4	138.2	138.2
12.5°	266.1	255.8	230.1	202.9	177.9	159.5	147.8	141.9	138.2	137.5	138.2
15°	322.7	306.5	269.1	230.1	191.9	161.0	146.3	144.1	145.6	146.3	146.3
17.5°	388.9	366.8	319.0	260.2	207.3	167.6	152.2	150.7	152.9	155.1	156.6
20°	463.1	434.5	365.4	288.9	217.6	177.2	158.1	155.1	160.3	164.7	163.9
22.5°	557.2	522.7	424.2	311.0	224.9	179.4	160.3	157.3	166.1	171.3	172.8
25°	680.7	631.5	493.3	334.5	229.4	176.4	158.8	159.5	172.8	183.0	185.3
27.5°	815.2	743.9	557.2	353.6	229.4	169.1	156.6	165.4	183.8	197.0	198.5
30°	962.3	863.0	613.1	368.3	222.7	161.7	154.4	168.3	186.7	200.7	202.2
32.5°	1118.9	986.5	671.2	373.4	213.2	155.8	152.2	166.1	181.6	194.1	197.0
35°	1257.8	1096.8	694.0	366.1	200.0	151.4	147.0	158.8	174.2	189.7	190.4
37.5°	1402.6	1201.9	704.2	345.5	186.7	147.0	142.6	153.6	172.0	190.4	192.6
40°	1464.4	1229.1	674.8	316.8	174.2	144.1	140.4	152.9	172.8	191.1	194.1
42.5°	1527.6	1255.6	638.8	275.7	166.1	143.3	142.6	152.9	169.1	183.8	186.0
45°	1635.6	1314.4	622.6	247.7	161.7	145.6	144.8	150.7	162.5	175.7	180.1
47.5°	1790.0	1403.3	614.6	230.1	161.7	149.2	147.0	148.5	155.8	167.6	171.3
50°	1987.8	1526.8	624.9	220.5	165.4	154.4	150.0	147.8	150.7	163.2	167.6
52.5°	2153.9	1645.2	637.3	219.1	171.3	161.0	154.4	147.8	150.0	164.7	169.8
55°	2328.1	1757.7	651.3	222.7	178.6	166.1	157.3	149.2	150.7	164.7	170.5
57.5°	2581.0	1948.8	687.3	230.8	186.0	172.0	161.0	151.4	150.0	161.0	165.4
60°	2811.8	2131.1	741.0	246.3	194.8	177.9	164.7	152.9	149.2	156.6	159.5
62.5°	2951.5	2229.6	761.6	261.0	203.6	183.0	166.1	152.9	151.4	158.1	160.3
65°	3095.6	2323.7	769.7	272.7	208.8	186.0	166.1	154.4	154.4	158.8	159.5
67.5°	3090.4	2303.1	750.6	278.6	213.2	187.5	166.1	154.4	155.8	160.3	161.0
70°	2955.2	2184.8	702.8	277.9	212.4	185.3	163.2	153.6	159.5	164.7	165.4
72.5°	2558.2	1878.2	625.6	269.1	205.8	179.4	158.8	152.2	161.0	168.3	168.3
75°	2098.8	1529.8	516.8	252.1	197.7	172.0	152.2	147.0	158.1	168.3	168.3
77.5°	1653.3	1197.5	419.0	230.1	186.0	163.2	144.1	138.2	150.7	160.3	159.5
80°	1284.3	907.9	336.7	208.0	172.8	153.6	134.5	127.9	138.9	145.6	144.1
82.5°	985.1	699.1	277.9	187.5	159.5	142.6	125.0	119.1	129.4	133.8	132.3
85°	672.6	500.6	227.9	164.7	142.6	129.4	115.4	111.0	122.8	127.9	126.4
87.5°	444.0	344.0	190.4	144.8	125.7	116.1	104.4	102.9	116.1	121.3	120.6
90°	293.3	240.4	161.7	125.7	109.5	101.4	94.1	94.1	105.9	110.3	107.3
92.5°	193.3	170.5	127.9	106.6	93.4	88.2	83.8	83.1	93.4	94.8	92.6
95°	131.6	119.8	100.0	88.2	78.7	75.7	72.0	73.5	80.1	78.7	76.5
97.5°	94.1	91.2	80.9	72.0	65.4	64.7	63.2	64.0	67.6	64.7	63.2
100°	75.0	72.8	66.9	60.3	55.9	55.1	54.4	55.1	57.3	54.4	52.9
102.5°	60.3	60.3	55.9	50.7	47.0	47.8	47.8	47.8	48.5	44.1	44.1
105°	48.5	48.5	47.0	42.6	40.4	40.4	41.2	41.2	41.2	38.2	38.2
107.5°	39.0	40.4	39.7	36.0	34.6	35.3	35.3	34.6	34.6	33.1	33.1
110°	31.6	33.1	33.1	30.9	30.1	30.9	30.1	29.4	28.7	28.7	28.7



REPORT NUMBER: P416899

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.5	27.9	28.7	27.2	26.5	26.5	25.7	25.0	25.0	25.7	25.7
115°	22.8	24.3	25.0	23.5	23.5	23.5	22.1	21.3	21.3	22.8	22.8
117.5°	20.6	21.3	22.1	21.3	20.6	20.6	19.8	18.4	18.4	19.8	20.6
120°	18.4	19.1	19.8	19.1	18.4	17.6	16.9	16.2	16.2	18.4	18.4
122.5°	16.9	17.6	17.6	16.9	16.2	16.2	15.4	14.7	14.7	16.2	16.9
125°	16.2	16.2	16.2	15.4	14.7	14.0	13.2	13.2	13.2	14.7	14.7
127.5°	15.4	15.4	14.7	14.0	13.2	12.5	12.5	11.8	11.8	13.2	14.0
130°	15.4	15.4	14.0	13.2	12.5	11.0	11.0	10.3	11.0	12.5	12.5
132.5°	14.7	14.7	13.2	12.5	11.0	10.3	9.6	9.6	9.6	11.0	11.8
135°	14.0	13.2	11.8	11.0	9.6	8.8	8.8	8.8	8.8	10.3	10.3
137.5°	12.5	11.8	10.3	9.6	8.8	8.1	7.4	7.4	8.1	8.8	9.6
140°	10.3	10.3	8.8	8.1	7.4	6.6	6.6	6.6	7.4	8.1	8.1
142.5°	8.8	8.8	7.4	6.6	5.9	5.1	5.9	5.9	6.6	7.4	7.4
145°	7.4	6.6	6.6	5.1	5.1	4.4	4.4	5.1	5.9	6.6	6.6
147.5°	5.9	5.9	5.1	4.4	3.7	3.7	3.7	4.4	5.1	5.1	5.9
150°	5.1	5.1	4.4	4.4	2.9	2.2	2.9	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	3.7	2.9	1.5	2.2	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	2.9	2.2	0.7	2.2	2.9	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	1.5	0.7	1.5	2.2	2.2	2.2	2.9
160°	2.2	2.2	2.2	2.2	1.5	0.7	1.5	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	2.2	1.5	1.5	1.5
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)