

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: P415657

Luminaire Tested: **LXF.LXT-PA1-50-827-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415657
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-PA1-50-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4415 lumens
Efficiency: N/A
Efficacy: 81.8 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

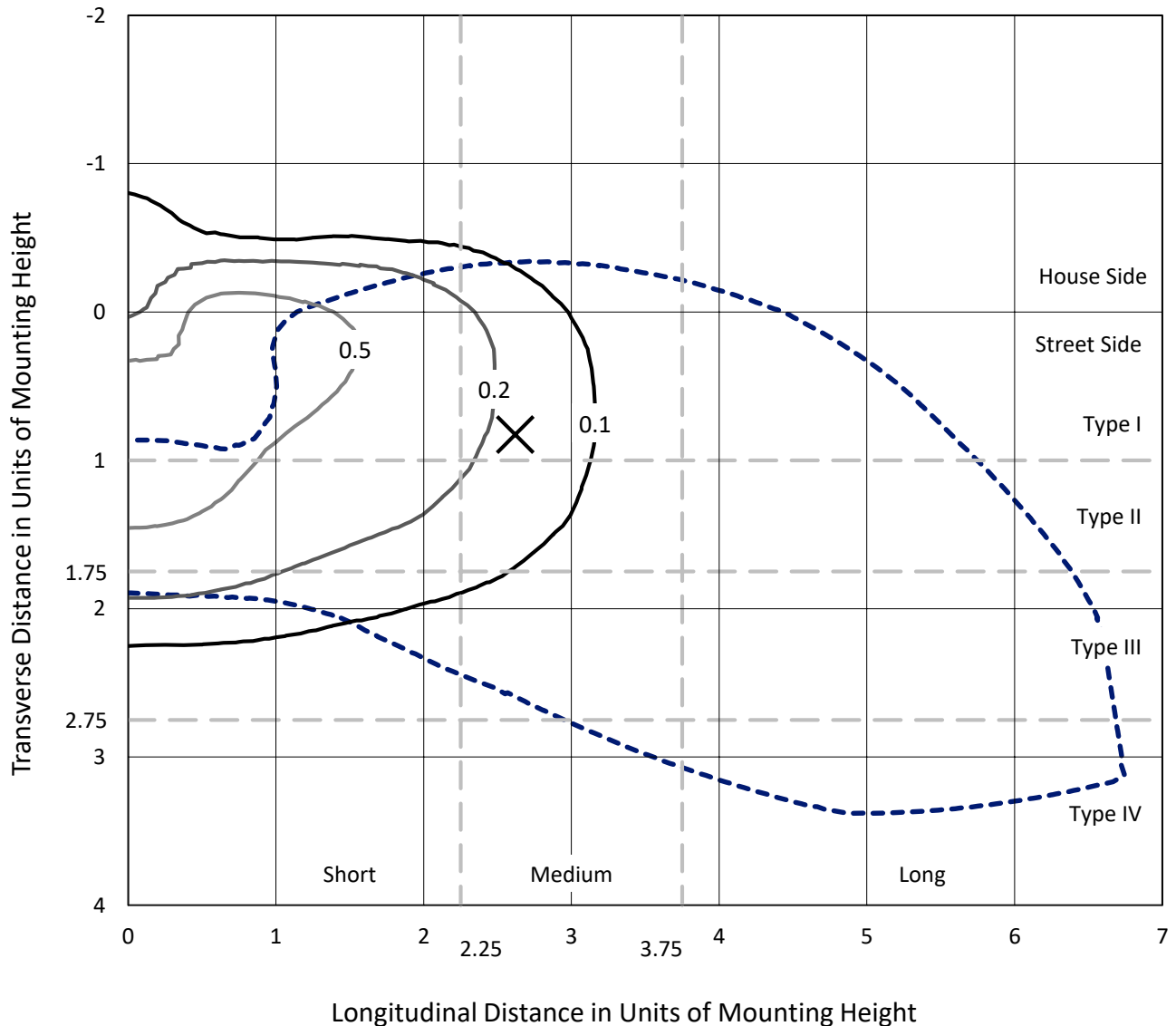
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415657
 CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

Iso-Footcandle Lines of Horizontal Illumination

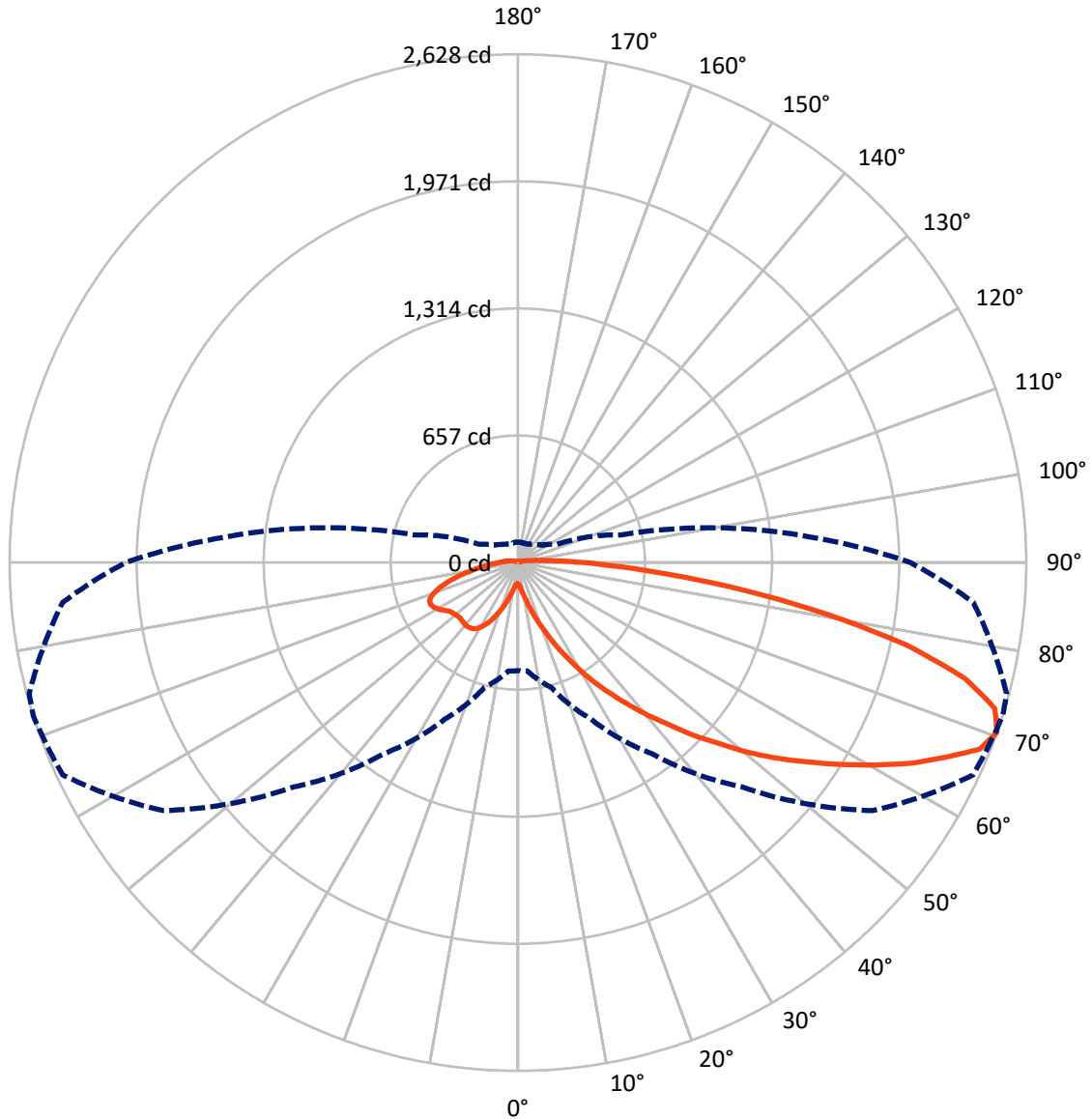
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415657
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415657

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.7	72.0	865.7
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	3466.2	83.1	3549.3
	% Fixture	78.5	1.9	80.4
Total	Lumens	4259.9	155.1	4415.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	59.8	1.4
20°-30°	166.8	3.8
30°-40°	345.8	7.8
40°-50°	597.3	13.5
50°-60°	882.0	20.0
60°-70°	1041.1	23.6
70°-80°	826.2	18.7
80°-90°	328.5	7.4
90°-100°	86.8	2.0
100°-110°	33.5	0.8
110°-120°	16.3	0.4
120°-130°	9.2	0.2
130°-140°	5.4	0.1
140°-150°	2.6	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4259.9	96.5
0°-180°	4415.0	100.0



REPORT NUMBER: P415657

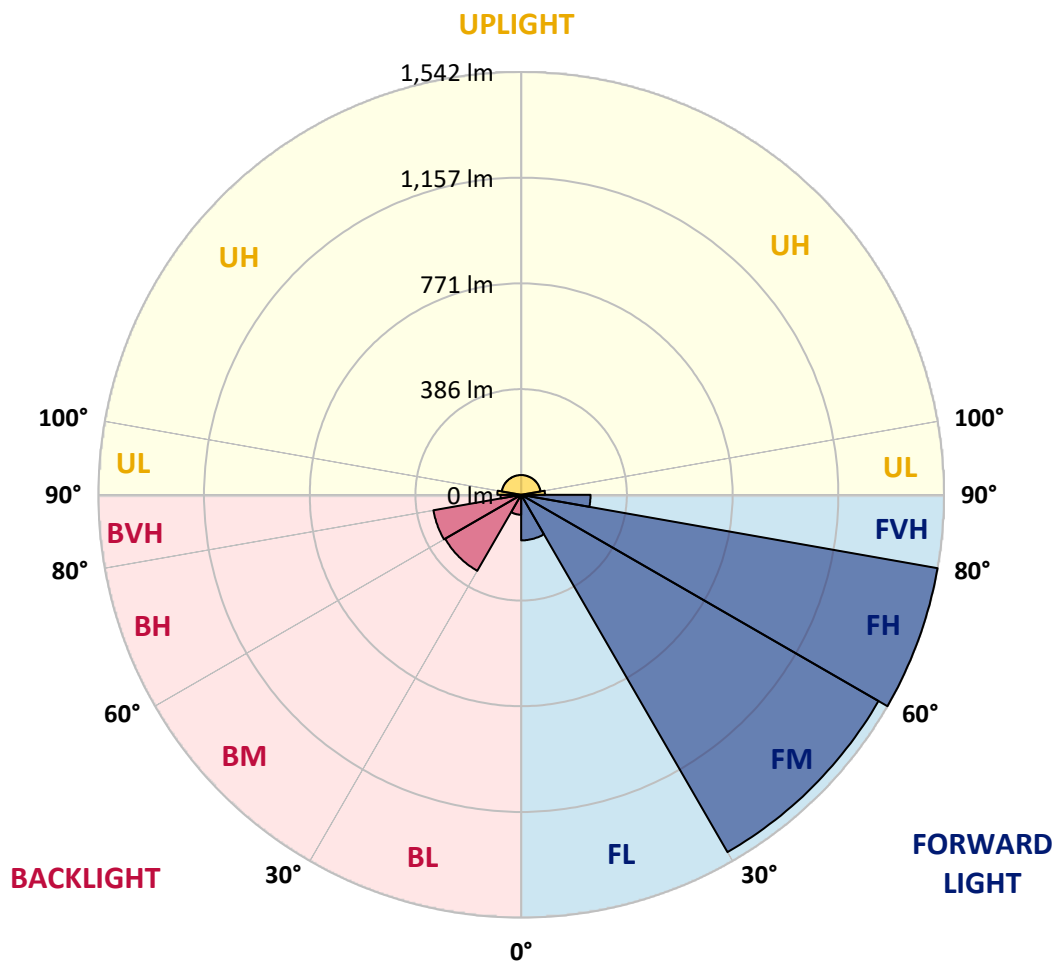
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.2	3.8			
FM	(30°-60°)	1504.8	34.1			
FH	(60°-80°)	1542.2	34.9			G1/1800
FVH	(80°-90°)	252.9	5.7			G3/500
BL	(0°-30°)	72.8	1.6	B0/110		
BM	(30°-60°)	320.3	7.3	B1/1000		
BH	(60°-80°)	325.1	7.4	B1/500		G1/500
BVH	(80°-90°)	75.5	1.7			G1/100
UL	(90°-100°)	86.8	2.0		U3/500	
UH	(100°-180°)	72.0	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415657

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
2.5°	124.1	124.6	124.1	124.1	123.0	122.5	119.4	117.3	115.8	114.7	113.2
5°	143.8	144.8	144.3	144.3	141.7	140.2	136.5	132.4	129.3	128.7	124.1
7.5°	170.3	169.8	167.7	167.2	166.1	163.5	158.3	152.1	149.0	147.9	141.2
10°	203.0	200.4	201.4	197.8	195.7	191.6	186.9	182.2	176.0	176.0	166.6
12.5°	235.7	241.4	239.8	234.6	230.5	223.7	218.0	216.5	209.2	210.2	201.4
15°	289.1	288.6	284.0	280.3	272.0	263.7	258.5	254.9	252.8	251.3	241.4
17.5°	345.7	342.6	339.0	328.1	316.1	308.9	304.2	300.6	303.2	302.6	290.7
20°	411.1	407.5	402.3	382.6	367.0	355.6	353.0	357.2	358.7	362.9	350.9
22.5°	483.8	482.3	469.8	447.5	421.0	406.0	403.4	413.2	425.2	427.2	418.9
25°	571.0	569.0	551.8	519.6	484.9	462.0	462.0	477.6	497.3	502.0	497.8
27.5°	664.5	659.3	637.0	597.5	549.7	520.2	516.5	544.6	572.1	585.6	580.4
30°	771.9	770.9	734.0	685.8	628.7	581.4	579.9	620.9	659.8	666.0	667.1
32.5°	882.5	891.3	848.8	776.6	707.6	652.0	649.4	695.6	749.6	760.5	760.5
35°	1010.2	1010.7	958.3	886.7	792.2	728.8	721.6	776.6	836.8	851.9	860.2
37.5°	1138.9	1135.8	1088.6	990.0	884.1	807.7	801.0	865.9	934.4	958.8	957.3
40°	1265.6	1274.4	1214.7	1105.7	978.0	900.7	884.1	960.4	1039.3	1066.8	1055.9
42.5°	1402.1	1400.1	1346.6	1225.1	1082.9	990.5	980.6	1059.5	1147.3	1178.4	1168.5
45°	1521.5	1520.5	1462.4	1340.9	1183.1	1094.3	1080.8	1164.4	1274.4	1303.5	1283.3
47.5°	1631.6	1629.0	1568.8	1445.2	1270.8	1193.5	1194.5	1280.1	1396.9	1444.7	1413.6
50°	1716.7	1707.9	1670.0	1536.6	1365.8	1297.8	1317.5	1418.2	1542.8	1585.9	1552.2
52.5°	1762.4	1748.9	1719.3	1600.4	1455.6	1401.1	1439.0	1558.4	1681.4	1722.4	1685.6
55°	1740.6	1740.6	1724.0	1639.4	1519.5	1495.6	1571.9	1692.3	1820.5	1865.7	1833.0
57.5°	1652.9	1666.4	1674.2	1629.0	1563.6	1589.0	1710.0	1844.9	1968.0	2017.8	1974.7
60°	1499.2	1502.8	1560.0	1572.9	1581.2	1668.4	1853.3	2014.2	2124.8	2164.2	2115.4
62.5°	1281.7	1298.8	1368.4	1464.4	1555.3	1734.4	2003.8	2184.5	2284.1	2310.6	2239.5
65°	1039.8	1035.6	1164.4	1308.2	1483.6	1753.6	2125.3	2349.5	2426.9	2462.2	2338.6
67.5°	788.5	785.9	904.8	1115.6	1362.2	1733.3	2223.9	2489.7	2574.8	2575.9	2400.9
70°	559.1	563.2	668.6	892.4	1205.4	1640.9	2235.8	2596.6	2627.8	2615.3	2363.0
72.5°	379.5	382.6	482.8	683.7	997.7	1491.4	2136.2	2585.2	2577.9	2543.2	2207.3
75°	244.5	265.3	339.5	519.6	807.7	1276.0	1942.5	2421.7	2383.8	2326.2	1936.8
77.5°	168.7	179.1	236.2	378.4	631.2	1053.8	1667.9	2093.1	2053.6	1983.0	1561.5
80°	114.2	118.9	162.5	282.9	496.8	828.5	1359.1	1685.1	1617.1	1544.4	1171.1
82.5°	76.3	85.1	116.8	203.0	375.8	639.6	1033.6	1286.9	1178.9	1116.1	822.8
85°	50.9	55.5	83.1	147.4	272.0	465.6	743.9	874.2	779.2	723.7	525.9
87.5°	34.3	38.4	59.2	105.4	201.4	338.5	498.4	564.8	488.5	453.7	318.2
90°	22.8	25.4	43.6	75.8	142.2	236.2	336.4	348.8	299.5	278.2	194.7
92.5°	16.1	18.7	32.7	56.1	99.7	164.0	216.0	211.3	176.5	166.1	125.6
95°	12.5	14.5	25.4	43.1	72.7	112.6	140.7	128.7	111.6	108.0	86.7
97.5°	10.9	11.9	21.3	34.8	55.0	79.9	91.4	87.2	75.3	73.2	63.3
100°	9.9	10.9	18.7	30.1	44.1	58.7	65.4	60.7	54.5	53.0	46.7
102.5°	9.3	9.9	16.6	26.0	36.3	46.2	50.4	45.2	40.5	40.0	35.8
105°	8.8	9.3	14.5	22.3	30.6	37.9	39.5	35.3	31.7	30.1	27.0
107.5°	8.3	8.3	13.0	19.7	26.5	31.7	32.7	28.6	24.4	23.4	21.3
110°	7.8	8.3	11.9	17.7	23.4	27.5	27.5	23.4	19.2	18.2	17.1



REPORT NUMBER: P415657

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	7.8	7.8	10.9	15.6	20.8	23.9	23.4	19.2	15.6	14.0	14.0
115°	7.3	7.8	10.4	14.5	18.7	20.8	19.7	16.1	12.5	11.4	11.9
117.5°	7.3	7.8	9.3	13.0	16.6	18.2	17.1	13.5	10.4	9.9	10.9
120°	7.3	7.8	9.3	11.9	14.5	16.1	15.1	11.4	9.3	8.8	9.9
122.5°	7.8	7.8	8.8	10.9	13.5	14.5	13.0	9.9	8.3	7.8	8.8
125°	7.8	7.8	8.8	10.4	12.5	13.0	11.4	8.8	7.3	7.3	8.3
127.5°	7.8	7.8	8.8	9.9	11.4	11.4	10.4	7.8	6.7	6.7	7.8
130°	7.8	7.8	8.3	9.3	10.4	10.4	8.8	6.7	6.2	6.2	7.3
132.5°	8.3	8.3	8.3	8.8	9.3	9.3	7.8	6.2	5.7	5.7	7.3
135°	7.8	7.8	7.8	8.3	8.3	8.3	6.7	5.7	5.2	5.7	6.7
137.5°	7.3	7.3	7.8	7.8	7.8	7.3	5.7	4.7	4.7	5.2	6.2
140°	7.3	6.7	7.3	7.3	6.7	6.2	5.2	4.2	4.2	4.7	5.2
142.5°	6.2	6.2	6.2	6.2	5.7	5.2	4.2	3.6	4.2	4.2	4.7
145°	5.7	5.7	5.7	5.2	5.2	4.2	3.1	3.1	3.1	3.6	4.2
147.5°	4.7	4.7	4.7	4.7	4.2	3.6	2.1	2.6	2.6	2.6	3.1
150°	3.6	3.6	4.2	3.6	3.1	2.6	1.6	2.1	2.6	2.6	2.6
152.5°	3.1	3.1	3.1	3.1	2.6	1.6	1.6	2.1	2.1	2.1	2.6
155°	2.1	2.1	2.1	2.1	1.6	1.0	1.6	1.6	2.1	2.1	2.1
157.5°	1.0	1.0	1.6	1.6	1.0	1.0	1.0	1.6	1.6	1.6	1.6
160°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
162.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
165°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
167.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
170°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
172.5°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
175°	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
177.5°	0.0	0.5	1.0	1.0	1.6	1.0	1.0	1.0	1.0	1.0	1.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P415657

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
2.5°	112.1	111.1	109.0	106.9	105.4	103.8	102.8	101.2	100.2	100.2	100.2
5°	121.0	119.9	114.7	109.5	104.9	100.7	97.6	94.0	92.4	90.8	91.4
7.5°	138.6	135.0	126.7	117.8	110.1	101.7	95.5	90.3	87.2	85.1	85.1
10°	162.5	156.8	144.3	130.8	117.8	105.9	96.6	89.3	84.1	82.0	82.0
12.5°	193.1	187.4	168.2	147.9	128.2	111.1	99.2	89.8	84.1	81.5	81.5
15°	234.1	224.3	198.3	169.2	140.7	117.3	101.7	94.0	90.3	88.8	88.8
17.5°	282.9	268.4	234.6	191.0	153.1	123.6	108.5	101.2	98.1	97.6	97.6
20°	340.0	321.9	271.0	212.8	163.0	131.3	114.2	108.0	106.9	107.5	107.5
22.5°	404.9	378.4	308.4	232.6	172.3	136.0	118.4	113.2	114.2	116.8	116.3
25°	473.4	445.4	349.4	250.2	178.6	138.1	121.0	117.8	122.0	125.1	125.1
27.5°	553.4	509.8	386.7	262.7	180.1	136.5	121.5	119.9	125.6	130.3	131.3
30°	634.9	578.8	418.9	270.5	177.0	132.9	119.4	120.4	127.2	133.4	133.9
32.5°	717.4	644.2	445.4	272.0	171.8	128.2	117.3	119.4	126.7	133.4	134.5
35°	799.4	705.5	463.1	266.3	163.5	123.6	113.7	117.3	124.6	132.4	133.4
37.5°	879.9	763.6	474.0	257.0	155.2	119.4	111.1	114.7	122.0	130.8	131.9
40°	967.6	825.9	480.2	246.1	146.9	115.8	109.5	113.2	120.4	128.7	130.3
42.5°	1048.1	883.0	480.7	232.6	140.7	114.2	108.5	111.6	118.4	127.2	128.7
45°	1153.0	941.7	480.7	221.1	136.5	113.7	108.5	111.1	117.3	126.7	128.7
47.5°	1252.1	1009.2	481.7	211.3	134.5	114.7	109.5	110.6	115.8	126.7	128.7
50°	1367.4	1074.1	490.0	204.0	133.9	116.8	111.1	110.1	114.2	125.6	128.2
52.5°	1482.1	1159.7	500.4	198.8	135.0	118.9	112.1	110.1	112.6	123.0	126.1
55°	1607.7	1241.2	511.9	199.3	137.0	121.0	113.7	109.5	110.6	118.9	122.0
57.5°	1733.3	1336.7	536.8	202.5	139.6	123.6	115.2	109.5	108.0	114.2	116.8
60°	1843.4	1420.8	562.7	209.2	143.3	126.1	116.3	109.0	105.9	109.5	111.6
62.5°	1959.7	1512.7	583.5	214.9	147.4	128.2	116.3	108.5	104.3	106.9	108.0
65°	2035.5	1567.2	594.4	222.2	151.6	129.8	116.8	107.5	103.8	105.4	106.4
67.5°	2074.4	1576.0	587.1	224.8	155.2	130.8	116.3	106.4	104.3	105.4	106.4
70°	2028.2	1517.4	552.3	223.2	156.3	130.8	115.2	105.4	104.3	105.9	106.4
72.5°	1861.0	1376.2	500.9	215.4	154.7	128.7	113.7	103.8	103.8	106.4	106.4
75°	1602.5	1173.2	433.5	203.5	150.5	125.6	110.6	101.2	102.3	105.9	105.9
77.5°	1283.3	928.2	357.2	186.4	142.8	120.4	106.4	97.6	100.2	104.3	103.8
80°	955.2	691.5	287.6	167.2	132.4	113.2	100.7	93.4	97.1	100.7	99.7
82.5°	636.4	485.4	227.4	146.9	121.5	105.9	94.5	87.7	92.4	96.0	94.5
85°	413.2	323.4	176.0	126.7	110.1	97.6	86.7	81.5	86.2	89.3	87.7
87.5°	257.5	217.0	133.9	108.0	98.1	88.3	79.9	74.2	78.9	82.0	79.9
90°	170.3	145.4	105.4	93.4	87.2	79.4	71.6	67.5	72.2	73.2	71.6
92.5°	112.1	102.8	85.7	79.9	76.8	70.6	64.9	61.3	64.9	65.4	64.4
95°	80.5	77.9	70.6	69.6	68.0	62.8	58.1	55.0	57.1	57.6	55.5
97.5°	61.3	60.7	60.2	60.2	59.2	55.5	51.4	48.8	49.8	49.3	47.8
100°	47.8	48.8	50.4	51.4	50.9	48.3	45.2	43.1	43.6	41.5	40.0
102.5°	37.4	39.5	42.0	43.6	43.6	41.5	40.0	37.9	36.3	33.7	33.2
105°	29.6	31.1	34.8	37.4	37.4	36.3	34.8	32.2	30.6	27.5	27.5
107.5°	23.4	25.4	29.6	31.7	32.2	31.1	30.1	28.0	25.4	22.3	22.3
110°	18.7	20.2	24.9	27.0	27.5	27.0	26.0	23.4	20.8	18.7	18.7



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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.6	17.1	20.8	22.8	23.9	23.4	22.3	19.7	17.1	15.6	15.6
115°	13.5	15.1	17.7	19.7	20.2	20.2	18.7	17.1	14.0	13.5	13.5
117.5°	11.9	13.0	15.6	17.1	18.2	17.7	16.1	14.5	12.5	11.9	11.9
120°	10.9	11.9	14.0	15.6	15.6	15.1	14.0	12.5	10.9	10.4	10.9
122.5°	9.9	10.9	12.5	13.5	13.5	13.5	12.5	10.9	9.3	9.3	9.9
125°	9.3	9.9	11.4	11.9	12.5	11.9	10.9	9.3	8.3	8.8	8.8
127.5°	8.8	9.3	10.4	10.9	10.9	10.4	9.3	8.3	7.3	7.8	8.3
130°	8.3	8.8	9.3	9.9	9.9	9.3	8.3	7.3	6.7	7.3	7.3
132.5°	7.3	7.8	8.3	8.8	8.3	8.3	7.3	6.2	6.2	6.7	6.7
135°	6.7	7.3	7.3	7.8	7.3	7.3	6.2	5.7	5.7	6.2	6.2
137.5°	6.2	6.7	6.7	6.7	6.2	6.2	5.7	5.2	5.2	5.2	5.7
140°	5.7	5.7	5.7	5.7	5.2	5.2	4.7	4.2	4.7	4.7	4.7
142.5°	5.2	5.2	5.2	4.7	4.7	4.2	3.6	3.6	4.2	4.2	4.2
145°	4.2	4.2	4.2	3.6	3.6	3.1	3.1	3.1	3.6	3.6	3.6
147.5°	3.6	3.6	3.6	3.1	2.6	2.6	2.6	2.6	3.1	3.1	3.1
150°	3.1	3.1	3.1	2.6	2.1	2.1	1.6	2.1	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	2.6	2.1	1.0	1.6	2.1	2.1	2.1	2.1
155°	2.1	2.1	2.6	2.1	1.6	0.5	1.0	1.6	1.6	1.6	1.6
157.5°	2.1	2.1	2.1	1.6	1.0	0.5	1.0	1.0	1.6	1.0	1.6
160°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	1.0	1.0
162.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	0.5	0.5	0.5
165°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
170°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
175°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)