

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: P415652

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4547 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

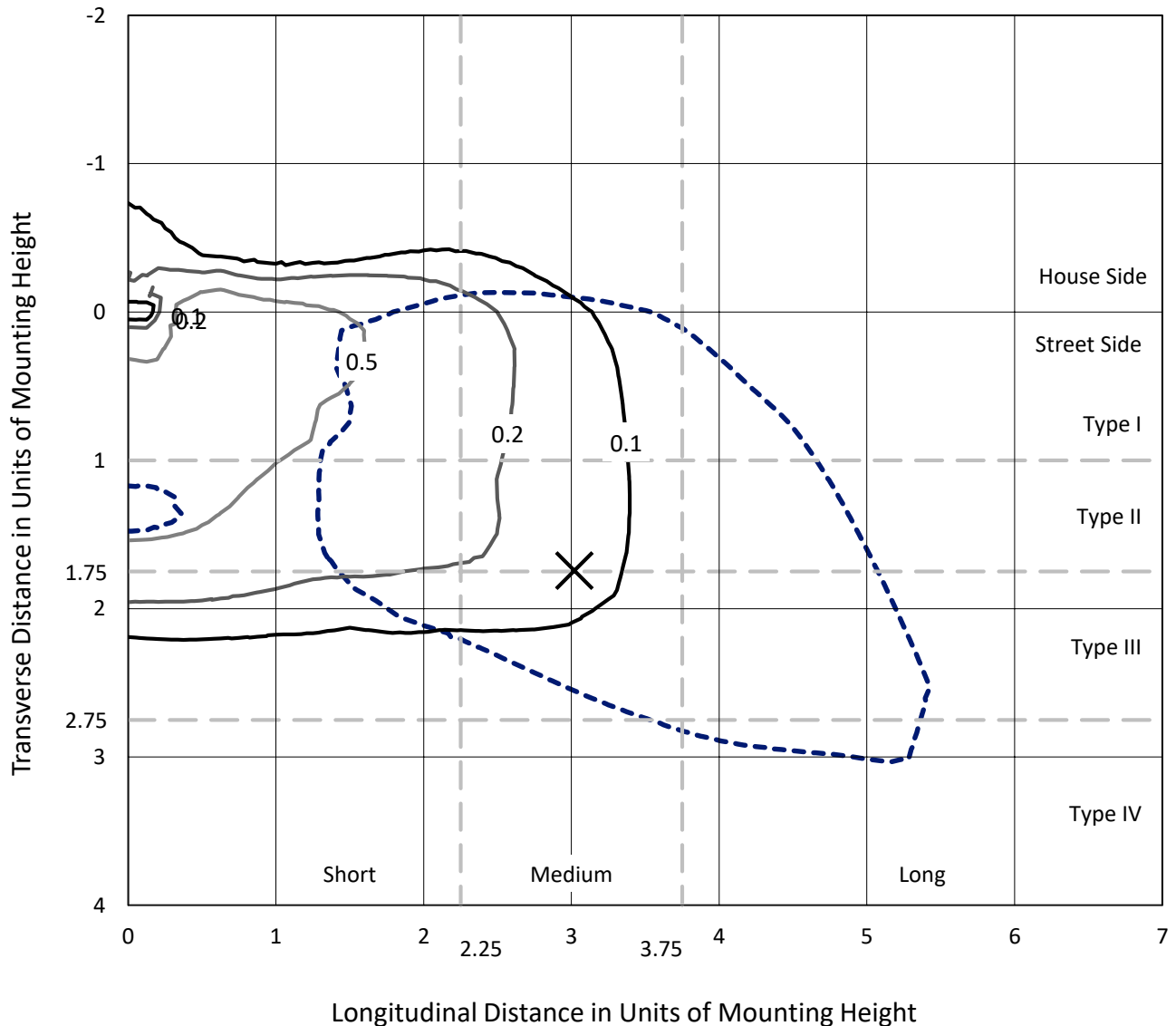
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415652
 CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-CL

Iso-Footcandle Lines of Horizontal Illumination

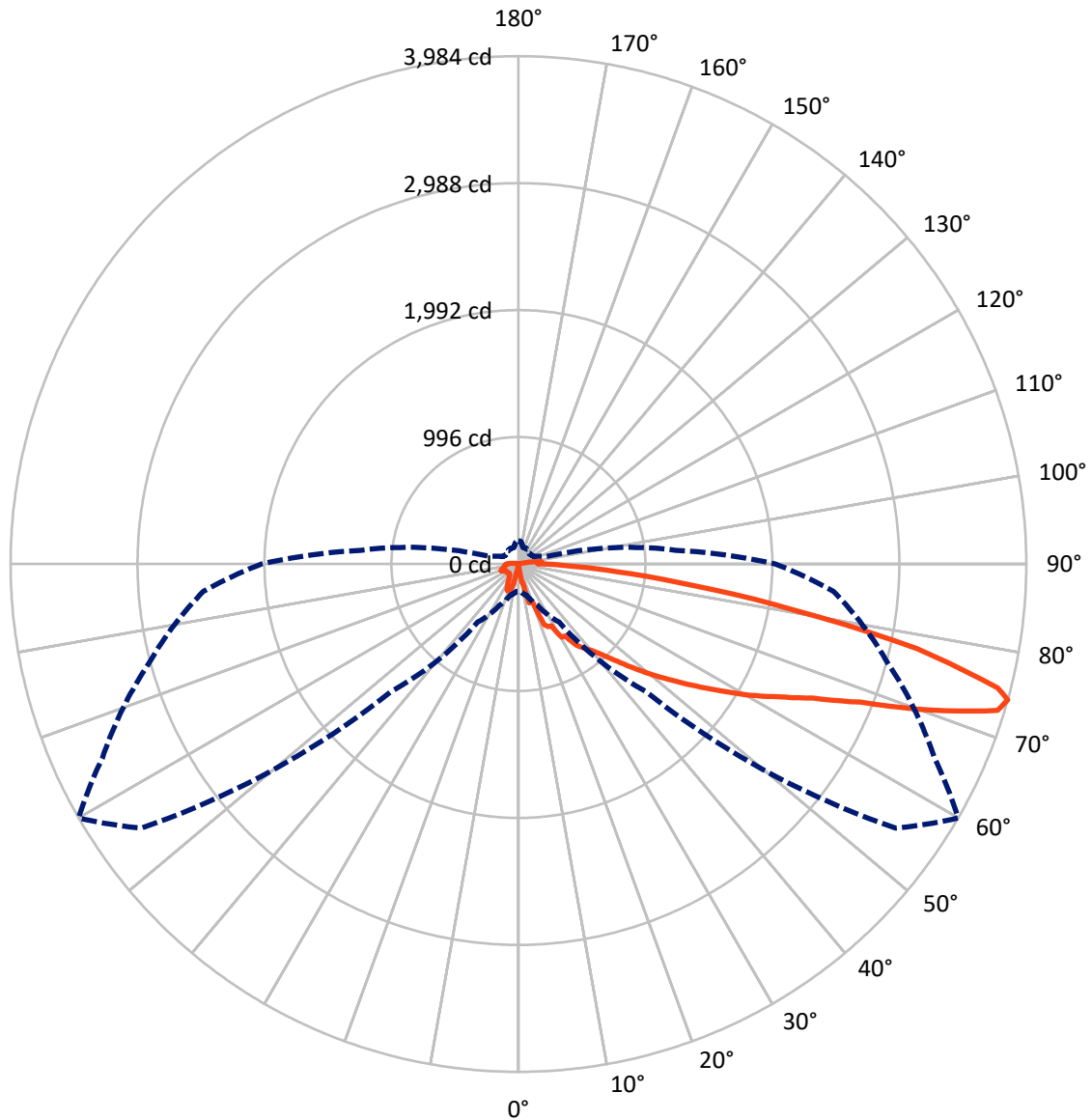
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415652
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P415652

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	697.8	44.2	742.0
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	3757.6	47.4	3805.0
	% Fixture	82.6	1.0	83.7
Total	Lumens	4455.4	91.6	4547.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	58.1	1.3
20°-30°	175.8	3.9
30°-40°	351.9	7.7
40°-50°	603.8	13.3
50°-60°	920.4	20.2
60°-70°	1134.1	24.9
70°-80°	948.1	20.9
80°-90°	258.2	5.7
90°-100°	66.7	1.5
100°-110°	12.0	0.3
110°-120°	4.4	0.1
120°-130°	3.4	0.1
130°-140°	2.3	0.1
140°-150°	1.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4455.4	98.0
0°-180°	4547.0	100.0



REPORT NUMBER: P415652

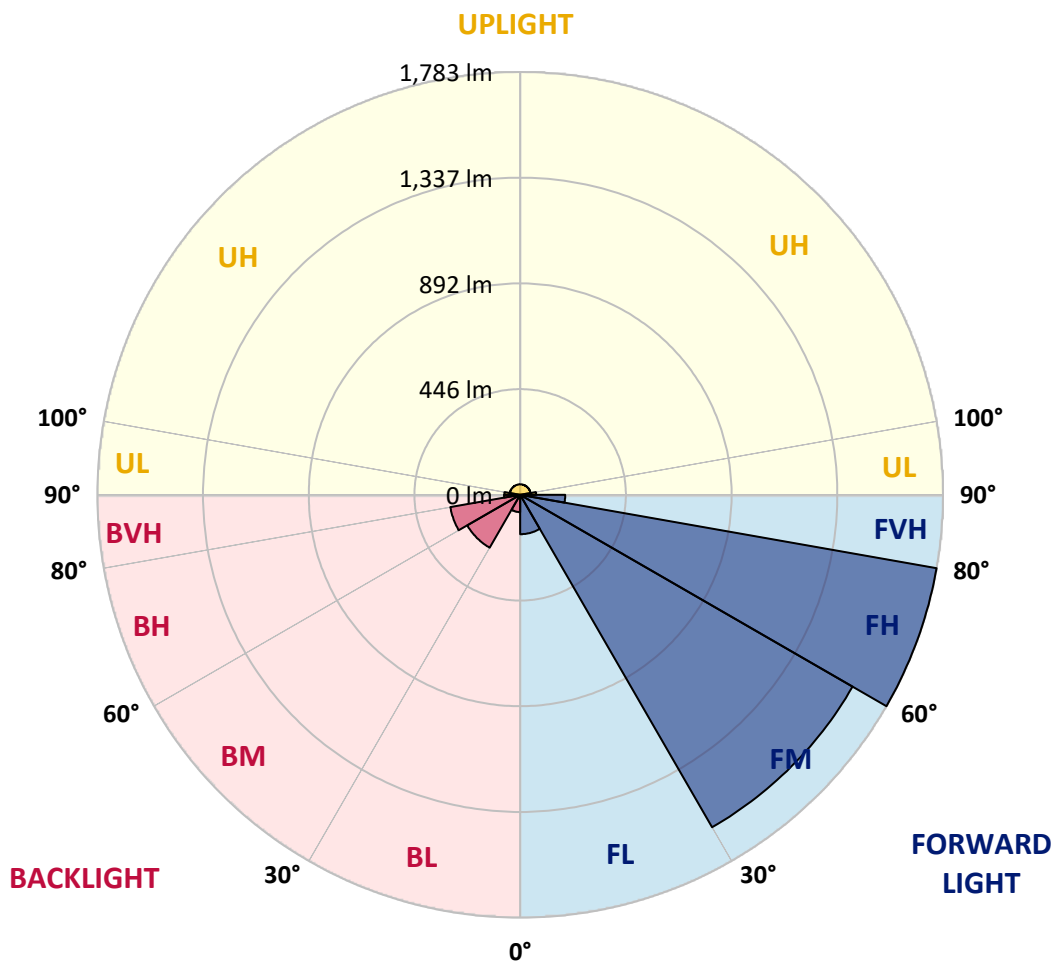
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.0	3.7			
FM (30°-60°)	1618.7	35.6			
FH (60°-80°)	1783.1	39.2			G1/1800
FVH (80°-90°)	189.8	4.2			G2/225
BL (0°-30°)	72.9	1.6	B0/110		
BM (30°-60°)	257.4	5.7	B1/1000		
BH (60°-80°)	299.1	6.6	B1/500		G1/500
BVH (80°-90°)	68.4	1.5			G1/100
UL (90°-100°)	66.7	1.5		U3/500	
UH (100°-180°)	44.2	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





REPORT NUMBER: P415652

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	5.7	5.2	4.7	5.2	5.7	5.2	4.2	3.6	3.1	3.1	3.1
5°	151.6	149.5	148.5	115.7	27.5	17.1	6.7	4.7	4.2	3.1	3.1
7.5°	153.6	151.6	152.1	151.6	149.0	149.0	48.3	17.6	9.9	3.6	3.6
10°	161.9	158.8	154.7	154.2	153.1	151.6	149.0	145.9	33.2	5.7	5.2
12.5°	299.0	297.4	295.3	227.9	165.1	153.6	152.1	148.5	114.2	21.8	100.7
15°	296.9	296.4	292.7	294.3	293.8	167.1	189.5	316.1	303.6	220.1	253.8
17.5°	311.4	309.9	299.0	292.2	292.7	333.8	309.9	312.0	313.0	278.2	272.0
20°	422.5	419.9	418.9	406.9	297.4	391.9	399.7	323.9	331.7	431.9	482.7
22.5°	427.7	424.1	419.9	416.8	469.2	390.3	422.5	515.9	492.6	571.5	538.8
25°	577.7	567.8	526.8	426.7	468.7	449.5	546.6	544.0	514.9	596.4	576.2
27.5°	625.5	618.7	588.6	565.8	478.1	538.3	543.5	549.2	647.8	822.7	766.6
30°	837.8	785.3	649.9	635.8	570.4	542.9	621.3	665.9	728.8	826.3	810.8
32.5°	959.2	933.8	868.4	768.2	668.0	593.8	673.7	673.7	732.4	998.7	1025.1
35°	1155.9	1073.9	946.2	878.2	762.0	710.6	694.5	782.2	865.8	1049.0	1047.5
37.5°	1227.1	1219.3	1171.5	962.9	895.9	772.9	809.7	836.7	907.3	1121.7	1118.6
40°	1266.0	1283.1	1286.7	1145.6	995.0	892.8	879.8	894.9	962.9	1223.9	1184.5
42.5°	1397.8	1404.0	1423.3	1262.3	1143.5	1023.6	987.2	981.0	1028.3	1342.8	1271.7
45°	1610.6	1613.7	1599.7	1396.8	1264.4	1153.3	1112.9	1089.0	1130.5	1460.6	1382.2
47.5°	1854.6	1861.9	1794.4	1548.9	1374.5	1278.4	1256.6	1219.8	1246.3	1567.0	1519.8
50°	2048.7	2046.6	1926.2	1671.9	1485.5	1406.6	1399.9	1365.6	1368.8	1696.3	1668.2
52.5°	2099.1	2096.0	1993.2	1762.7	1586.8	1540.0	1570.7	1517.7	1490.2	1830.2	1822.4
55°	2023.3	2029.0	1980.7	1800.6	1651.1	1657.3	1736.8	1691.1	1653.7	1956.8	1969.3
57.5°	1913.8	1907.0	1914.3	1815.1	1701.5	1772.1	1934.5	1877.4	1841.6	2100.1	2114.1
60°	1710.8	1701.5	1795.4	1799.6	1748.2	1901.8	2144.7	2089.2	2038.9	2251.1	2236.1
62.5°	1402.0	1390.0	1559.8	1704.1	1801.6	2053.9	2352.4	2292.2	2243.4	2411.5	2383.0
65°	933.3	989.8	1188.6	1495.4	1781.9	2273.0	2626.9	2536.6	2447.9	2576.1	2570.9
67.5°	541.4	581.9	727.7	1063.5	1619.5	2460.3	3062.4	2891.1	2738.0	2762.4	2750.5
70°	335.8	348.3	411.6	613.5	1141.4	2398.6	3545.2	3434.6	3110.2	2970.0	2778.5
72.5°	260.6	268.9	305.2	400.7	694.0	1855.1	3774.6	3929.8	3486.0	3024.5	2640.4
74°	213.3	218.5	256.4	358.7	556.9	1414.4	3611.6	3983.8	3601.2	2998.1	2481.6
75°	168.7	173.9	216.4	344.1	529.4	1128.4	3370.2	3883.6	3604.9	2957.1	2290.1
77.5°	103.3	106.9	116.8	237.7	481.2	644.7	2486.8	3196.9	3194.8	2455.7	1642.3
80°	82.0	83.0	87.2	125.1	391.9	584.5	1574.8	2206.5	2190.4	1474.1	841.4
82.5°	56.6	60.7	69.0	81.0	208.7	572.5	993.0	1370.8	1182.4	561.1	351.9
85°	37.9	41.0	52.4	60.2	111.6	609.4	712.7	771.3	581.9	277.7	232.0
87.5°	15.6	16.1	23.9	29.1	45.2	292.2	479.6	382.0	267.8	176.0	188.9
90°	8.3	8.3	6.2	6.7	16.6	62.8	156.8	152.1	126.1	144.8	177.5
92.5°	9.3	9.3	6.2	6.7	16.1	49.3	169.7	173.4	144.8	154.2	190.0
95°	10.4	10.4	6.2	6.2	15.6	33.7	163.0	183.2	149.0	161.9	191.5
97.5°	11.4	11.9	5.7	5.7	12.5	25.4	102.3	125.1	97.1	84.1	91.9
100°	11.9	11.9	5.2	5.2	8.3	18.2	47.2	60.2	46.7	21.8	15.1
102.5°	11.9	12.5	5.2	4.7	5.7	11.4	15.1	21.8	17.1	13.0	14.0
105°	11.4	12.5	5.2	4.7	4.7	6.2	7.8	8.8	9.3	9.3	14.5
107.5°	8.8	9.9	4.2	4.7	4.2	4.2	3.1	3.6	4.7	8.3	14.5



REPORT NUMBER: P415652

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.2	6.2	3.1	4.2	3.6	4.2	2.6	3.1	4.2	6.2	11.9
112.5°	3.1	2.6	2.1	3.1	3.1	3.6	2.6	2.6	3.6	5.2	8.3
115°	2.1	2.6	1.6	2.1	2.6	2.6	2.1	2.6	3.1	5.2	8.8
117.5°	2.1	2.1	1.6	2.1	2.6	2.1	2.1	2.6	3.1	5.2	8.8
120°	2.6	2.1	1.6	2.1	2.1	1.6	2.1	2.6	2.6	5.2	8.8
122.5°	2.6	2.6	2.1	2.1	2.1	1.6	2.1	2.1	2.6	5.2	8.3
125°	3.1	2.6	2.1	2.1	2.1	1.6	2.1	2.1	2.6	4.7	7.8
127.5°	3.1	3.1	2.1	2.1	2.6	1.6	2.1	2.1	2.6	4.2	7.3
130°	3.1	3.1	2.6	2.1	2.6	2.1	2.1	2.1	2.6	3.6	6.2
132.5°	3.1	3.1	2.6	2.6	2.6	2.1	2.1	2.1	2.1	3.1	5.2
135°	3.6	3.1	2.6	2.6	3.1	2.1	2.1	2.1	2.1	2.6	3.6
137.5°	3.6	3.6	3.1	3.1	3.6	2.6	2.1	2.6	2.6	2.6	3.1
140°	4.2	4.2	4.2	3.6	3.6	2.6	2.6	2.6	2.6	3.1	3.1
142.5°	5.2	4.7	4.7	4.2	3.6	2.6	2.6	2.6	3.1	3.1	3.1
145°	5.7	5.7	5.2	4.7	3.6	2.6	2.6	3.1	3.1	3.6	3.6
147.5°	5.7	5.7	5.2	4.2	3.1	2.1	2.6	3.1	3.1	3.6	4.2
150°	5.7	5.2	4.7	3.6	2.6	1.6	2.1	2.6	3.1	3.6	4.2
152.5°	4.2	4.2	3.6	2.6	2.1	1.0	1.6	2.1	2.6	3.1	3.6
155°	2.6	2.6	2.1	1.6	1.6	1.0	1.6	2.1	2.1	2.6	3.1
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	2.1	2.1
160°	0.5	0.5	1.0	0.5	1.0	1.0	1.0	1.6	1.6	1.6	1.6
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: P415652

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.1	3.1	3.1	2.6	2.6	1.6	2.1	2.1	2.6	3.1	3.6
5°	3.1	3.6	3.1	2.6	2.6	2.1	2.6	2.6	2.6	3.6	3.6
7.5°	3.6	3.6	3.1	3.1	2.6	2.1	3.6	112.1	128.7	132.9	133.9
10°	4.7	4.7	4.2	3.6	3.1	120.9	133.4	133.4	132.4	133.4	133.4
12.5°	103.3	111.1	17.6	8.8	99.7	125.6	122.5	120.4	118.3	116.3	115.2
15°	251.2	243.4	223.2	167.7	154.7	115.2	105.9	146.9	156.8	159.4	158.8
17.5°	265.2	252.8	222.2	233.1	204.5	147.4	132.9	131.8	126.1	126.1	126.6
20°	498.8	470.3	303.1	227.3	177.5	178.6	113.7	101.2	105.9	112.6	116.8
22.5°	512.3	474.9	354.5	295.9	159.9	144.3	111.1	98.1	132.4	145.9	146.9
25°	546.6	486.9	359.2	249.1	180.6	118.3	110.6	102.3	121.5	133.9	132.9
27.5°	740.2	656.6	456.3	229.4	142.7	111.6	104.3	98.1	120.9	141.2	140.7
30°	739.1	647.3	421.5	211.3	117.8	103.8	95.0	106.9	112.6	120.4	120.9
32.5°	959.7	822.7	460.9	175.4	104.3	89.8	93.9	97.6	102.3	122.0	126.1
35°	964.4	804.5	400.2	160.9	96.0	85.6	88.2	96.5	106.4	118.9	119.9
37.5°	983.1	795.2	332.2	132.9	98.6	86.7	91.9	101.2	98.6	115.7	117.8
40°	1017.4	797.8	279.3	118.9	97.1	86.7	96.0	97.6	98.1	106.9	108.0
42.5°	1070.3	811.8	234.6	112.6	95.5	93.9	92.9	93.4	89.8	107.4	109.5
45°	1145.6	840.9	200.4	110.6	95.5	109.5	97.1	93.4	85.6	123.5	132.4
47.5°	1256.6	898.0	180.1	111.1	96.0	104.8	96.0	90.8	89.3	144.3	150.5
50°	1382.2	963.4	166.6	113.2	96.0	103.3	94.5	93.4	99.1	146.4	147.9
52.5°	1517.2	1050.6	161.9	115.2	103.3	104.8	107.4	106.9	95.5	117.3	117.3
55°	1654.2	1140.9	163.5	117.8	109.0	107.4	114.7	101.2	82.0	87.2	86.2
57.5°	1783.5	1246.3	174.4	116.3	105.4	106.4	115.7	95.0	82.0	87.2	89.3
60°	1923.6	1360.4	204.5	112.1	103.8	103.3	114.2	100.2	82.0	100.2	100.7
62.5°	2094.4	1517.7	269.9	116.3	112.1	106.4	114.7	110.6	93.9	96.0	98.1
65°	2296.3	1680.2	332.2	132.4	118.3	106.9	113.2	116.3	106.4	102.8	102.3
67.5°	2444.2	1720.2	334.8	153.6	126.6	112.6	114.2	126.6	116.3	118.3	117.3
70°	2406.9	1611.2	290.2	162.5	131.8	117.3	117.3	131.3	122.5	140.7	141.2
72.5°	2224.2	1398.9	245.0	150.5	125.1	118.9	130.3	136.0	130.3	169.2	167.1
74°	2014.5	1239.0	225.3	137.0	122.5	118.3	133.9	136.0	134.4	180.6	179.1
75°	1853.6	1113.4	214.4	129.2	120.9	116.8	135.0	136.5	136.0	182.2	181.7
77.5°	1281.0	752.1	187.4	115.2	118.3	116.8	134.4	139.6	143.3	181.2	179.6
80°	657.1	411.6	156.2	109.0	117.3	119.9	132.9	135.0	140.7	171.3	169.7
82.5°	329.6	237.2	114.7	100.2	118.9	130.3	133.4	130.8	132.4	157.8	155.2
85°	212.3	164.0	76.3	84.1	120.9	141.2	132.9	122.0	124.1	137.6	136.5
87.5°	170.8	121.5	46.7	65.4	128.7	129.2	121.5	108.0	105.4	108.0	106.4
90°	157.8	112.6	39.4	61.8	124.6	108.0	99.1	88.2	78.9	79.4	76.3
92.5°	169.7	117.8	42.0	61.2	99.1	75.8	72.7	67.0	55.5	49.3	46.2
95°	167.1	113.2	42.6	51.9	72.7	43.1	51.4	47.2	34.3	26.0	24.4
97.5°	80.5	57.1	37.9	40.5	42.6	32.7	43.6	40.0	24.9	16.1	15.1
100°	15.1	21.3	33.7	38.4	33.7	25.4	34.3	30.6	13.5	8.3	7.8
102.5°	14.5	11.9	25.4	34.8	21.3	14.5	18.7	17.1	8.8	6.2	6.2
105°	15.1	11.9	11.9	23.9	13.0	6.7	5.7	8.3	6.2	6.2	6.7
107.5°	15.6	11.9	7.3	7.8	6.2	5.2	4.2	4.2	4.7	6.7	7.3



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.5	10.4	6.7	6.2	5.7	5.2	4.2	3.6	4.7	7.3	7.8
112.5°	8.8	8.3	6.2	5.2	4.7	4.7	3.6	3.1	4.7	7.8	8.3
115°	8.8	8.3	5.2	4.7	3.6	4.2	3.6	3.1	4.7	8.8	9.3
117.5°	9.3	7.8	5.2	4.2	3.1	3.1	3.1	3.1	5.2	8.8	9.3
120°	9.3	7.8	5.2	3.6	3.1	2.6	3.1	3.1	5.2	8.8	9.9
122.5°	8.8	7.8	4.7	3.6	3.1	2.6	2.6	2.6	4.7	8.8	9.3
125°	8.3	7.3	4.7	3.6	3.1	2.1	2.6	2.6	4.7	8.3	9.3
127.5°	7.8	6.7	4.7	3.6	2.6	2.1	2.6	2.6	4.7	7.8	8.8
130°	6.7	6.2	4.2	3.1	2.6	2.1	2.6	2.6	4.7	7.3	8.3
132.5°	5.7	5.2	3.6	3.1	2.6	2.1	2.6	2.1	3.6	6.7	7.3
135°	4.2	4.2	3.6	2.6	2.6	1.6	2.1	2.1	3.1	5.2	5.7
137.5°	3.6	3.6	3.1	2.6	2.6	1.6	2.1	1.6	2.6	4.2	4.7
140°	3.6	3.6	3.1	2.6	2.1	1.6	1.6	1.6	2.1	3.6	3.6
142.5°	3.6	3.6	3.1	2.6	2.1	1.6	1.6	1.6	2.1	3.1	3.6
145°	3.6	3.6	3.6	3.1	2.1	1.6	1.6	1.6	2.1	3.1	3.1
147.5°	4.2	4.2	3.6	2.6	2.1	1.0	1.0	1.6	2.1	3.1	3.1
150°	4.2	4.2	3.6	2.6	2.1	1.0	0.5	1.0	1.6	2.6	3.1
152.5°	3.6	3.6	3.1	2.6	1.6	1.0	0.5	1.0	1.6	2.6	2.6
155°	3.1	3.1	2.6	2.1	1.6	0.5	0.0	0.5	1.0	2.1	2.1
157.5°	2.1	2.6	2.1	1.6	1.0	0.5	0.0	0.5	0.5	1.6	1.6
160°	2.1	2.1	2.1	1.6	1.0	0.5	0.0	0.0	0.5	1.0	1.0
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)