

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: P415653

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415653
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-PA1-50-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4317 lumens
Efficiency: N/A
Efficacy: 79.9 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

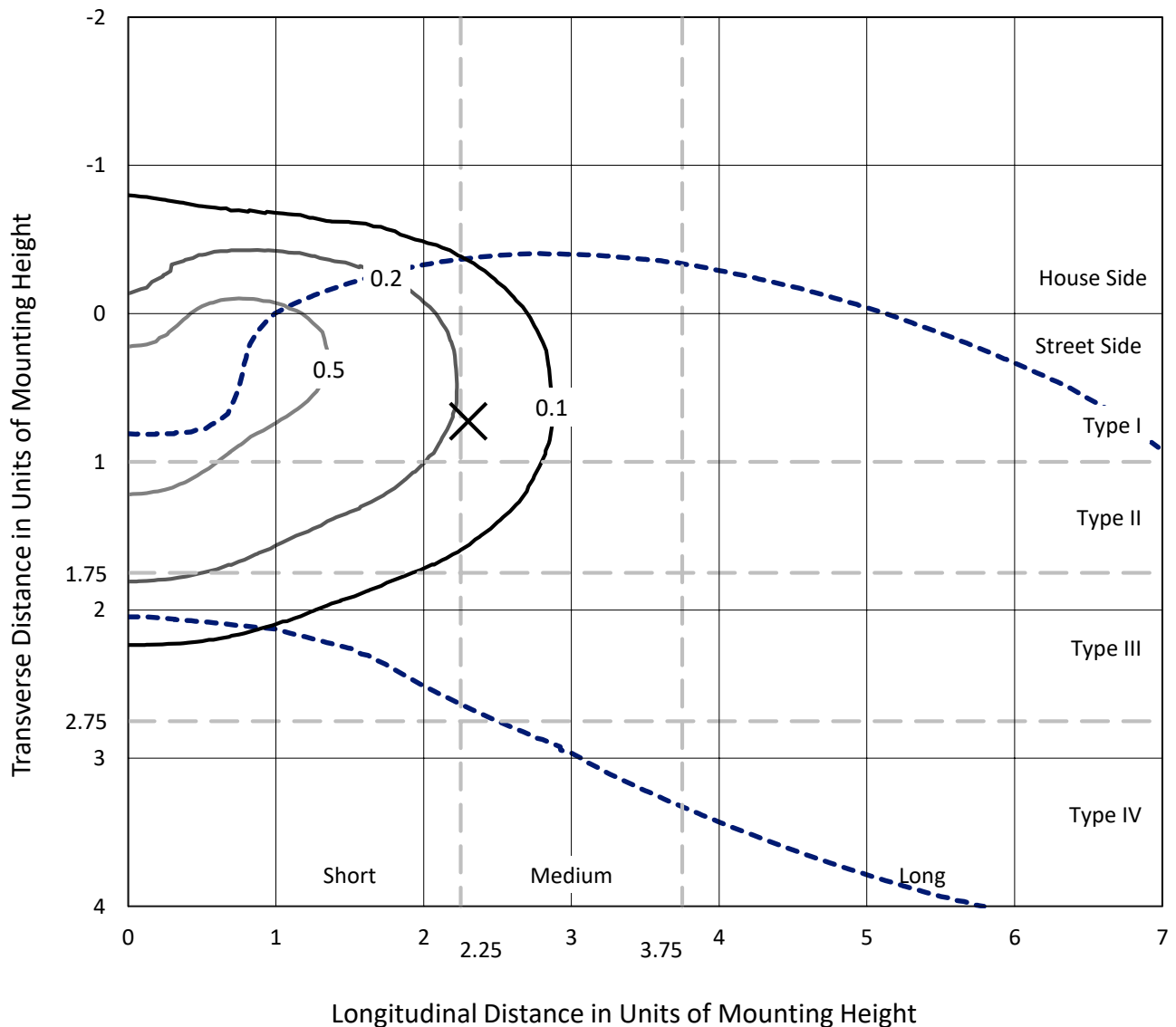
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

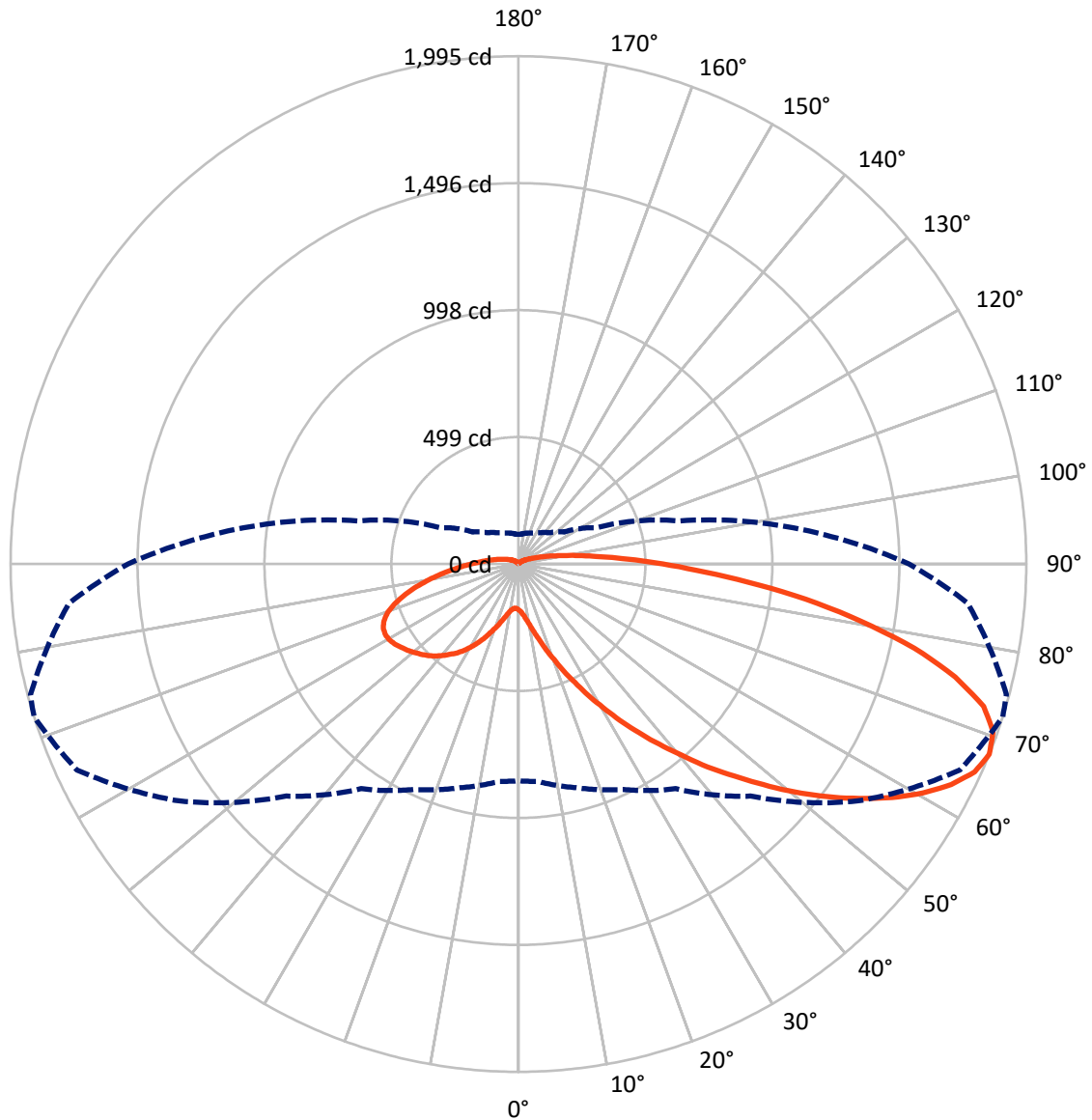
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.7	124.7	1001.3
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3073.9	241.7	3315.6
	% Fixture	71.2	5.6	76.8
Total	Lumens	3950.6	366.4	4317.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.4
10°-20°	73.7	1.7
20°-30°	177.8	4.1
30°-40°	339.0	7.9
40°-50°	545.7	12.6
50°-60°	755.0	17.5
60°-70°	867.5	20.1
70°-80°	744.6	17.2
80°-90°	428.7	9.9
90°-100°	193.8	4.5
100°-110°	89.1	2.1
110°-120°	44.8	1.0
120°-130°	23.2	0.5
130°-140°	11.0	0.3
140°-150°	3.8	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3950.6	91.5
0°-180°	4317.0	100.0



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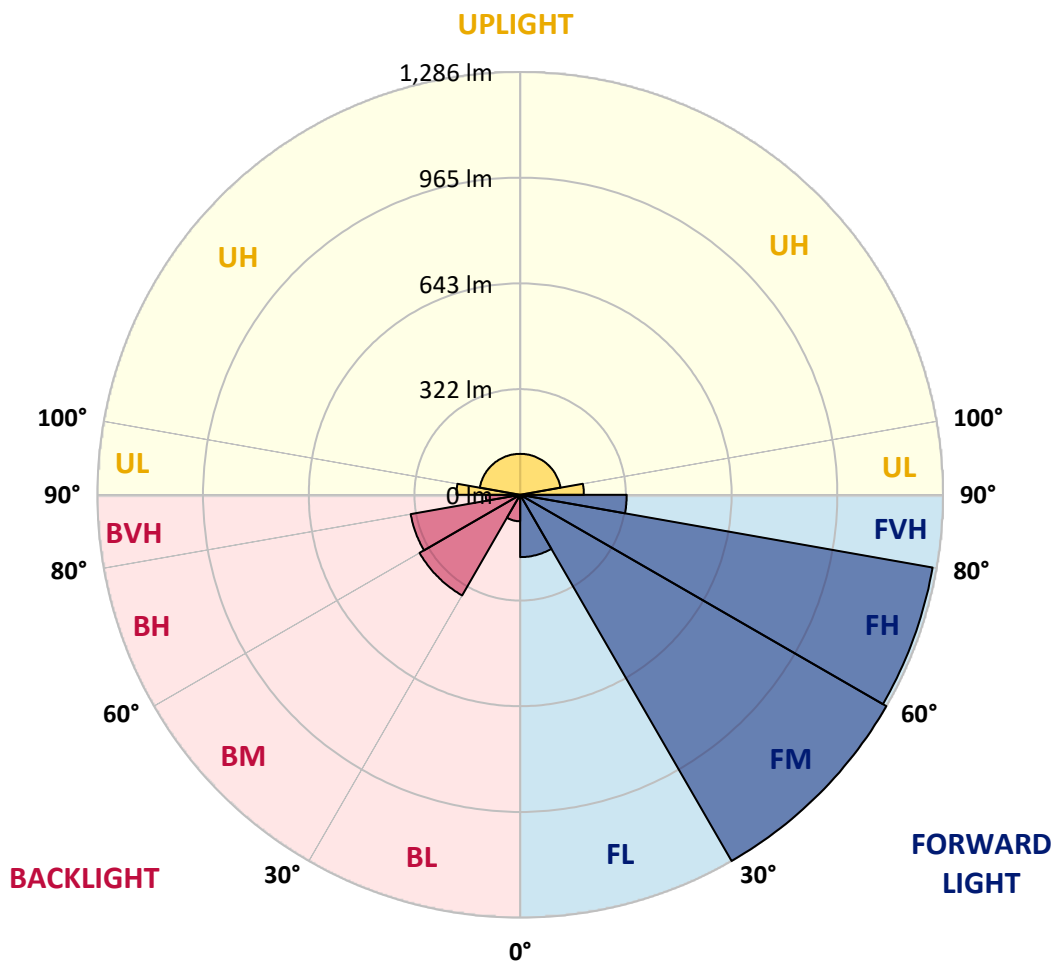
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.6	4.4			
FM	(30°-60°)	1286.2	29.8			
FH	(60°-80°)	1274.0	29.5			G1/1800
FVH	(80°-90°)	324.1	7.5			G3/500
BL	(0°-30°)	80.5	1.9	B0/110		
BM	(30°-60°)	353.5	8.2	B1/1000		
BH	(60°-80°)	338.0	7.8	B1/500		G1/500
BVH	(80°-90°)	104.6	2.4			G2/225
UL	(90°-100°)	193.8	4.5		U3/500	
UH	(100°-180°)	124.7	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	201.9	201.4	201.9	200.3	198.8	195.7	193.6	189.4	187.4	186.3	182.2
5°	230.4	229.9	229.4	227.3	222.1	218.5	212.3	205.0	200.3	198.3	191.5
7.5°	261.6	260.5	259.5	254.8	251.2	245.0	235.6	226.3	218.5	216.9	204.5
10°	296.9	295.8	293.8	290.1	283.4	274.5	266.2	252.8	242.9	238.2	224.7
12.5°	333.2	335.3	332.7	325.4	317.6	309.3	297.4	284.4	274.0	270.4	249.6
15°	377.3	378.9	376.3	368.0	359.7	347.2	337.9	324.4	310.4	308.3	285.4
17.5°	426.1	425.6	420.4	412.6	405.3	395.5	382.0	369.5	354.0	350.3	322.3
20°	479.0	477.0	472.3	459.3	452.6	441.1	432.8	415.7	400.7	395.5	367.5
22.5°	532.0	530.9	526.8	514.8	506.5	496.7	484.2	468.7	458.3	447.9	416.8
25°	598.4	592.2	587.0	565.7	557.9	548.6	537.7	524.7	514.8	509.1	473.3
27.5°	664.8	660.2	648.2	632.7	617.6	602.6	597.9	586.5	583.4	578.7	538.2
30°	730.7	728.7	715.7	696.0	674.2	659.6	657.1	658.1	653.4	647.7	604.6
32.5°	805.5	800.8	786.3	759.8	737.0	719.8	719.8	727.1	731.3	725.6	679.9
35°	878.7	874.5	856.3	823.6	798.2	777.5	785.8	802.9	812.7	812.7	756.2
37.5°	956.0	946.7	928.0	893.7	859.5	844.4	853.8	883.3	897.9	897.9	840.8
40°	1023.5	1022.9	997.5	956.5	922.8	900.5	929.0	968.4	987.7	986.1	925.9
42.5°	1090.9	1090.4	1066.0	1020.9	978.3	966.9	1002.7	1058.2	1089.4	1089.4	1012.0
45°	1151.7	1147.5	1126.7	1076.9	1037.5	1032.3	1085.2	1155.8	1188.0	1193.2	1105.5
47.5°	1196.3	1192.7	1174.5	1126.2	1088.9	1098.2	1162.0	1251.8	1295.4	1294.9	1201.0
50°	1226.4	1222.8	1207.2	1165.7	1133.5	1156.8	1245.6	1353.5	1408.0	1412.2	1295.4
52.5°	1235.2	1233.1	1224.8	1190.6	1169.8	1209.8	1324.0	1457.3	1519.1	1522.7	1398.7
55°	1220.2	1220.2	1219.6	1198.9	1190.6	1257.0	1404.9	1558.5	1625.5	1632.2	1500.4
57.5°	1184.9	1186.4	1195.8	1189.0	1201.5	1294.9	1473.4	1649.9	1730.9	1735.0	1591.2
60°	1131.4	1128.3	1149.1	1161.5	1195.3	1318.8	1534.2	1741.8	1826.4	1827.9	1671.2
62.5°	1050.5	1052.0	1082.1	1114.8	1172.9	1328.6	1587.6	1822.2	1907.8	1911.5	1733.5
65°	955.0	958.6	999.6	1054.6	1134.5	1318.3	1618.2	1884.0	1969.6	1964.9	1769.3
67.5°	851.7	856.9	910.3	977.3	1077.4	1289.2	1623.4	1913.5	1995.0	1984.6	1772.4
70°	738.5	752.0	805.5	892.7	1003.7	1233.7	1593.3	1908.4	1977.9	1968.0	1726.2
72.5°	635.8	645.6	704.3	795.1	921.2	1153.2	1529.5	1848.7	1910.9	1891.2	1629.7
75°	533.5	548.6	604.1	701.2	832.0	1053.6	1421.0	1733.5	1771.9	1750.6	1485.9
77.5°	446.3	459.8	514.8	608.3	733.9	949.2	1278.8	1558.5	1590.2	1568.4	1304.2
80°	363.8	378.9	432.3	524.2	642.0	826.8	1115.8	1354.1	1366.0	1331.7	1103.9
82.5°	304.1	311.9	361.7	442.7	551.2	713.1	948.7	1136.1	1136.6	1095.6	896.8
85°	248.6	253.3	298.9	372.1	465.0	602.6	779.0	915.0	904.6	882.3	691.3
87.5°	201.4	206.0	247.0	313.0	391.3	502.9	635.8	720.4	696.0	678.3	536.6
90°	165.0	170.2	204.0	261.1	328.5	415.2	506.0	556.9	535.1	521.6	413.6
92.5°	134.9	140.1	169.7	218.5	278.2	339.9	402.2	426.1	411.0	395.5	311.9
95°	114.2	115.2	141.7	182.7	229.9	274.5	315.0	329.0	308.3	302.6	241.3
97.5°	93.9	97.1	117.8	154.1	192.0	228.9	249.6	256.9	238.2	225.8	184.8
100°	79.9	81.5	99.6	128.7	159.9	186.3	202.4	198.8	182.2	174.9	140.1
102.5°	68.5	70.1	84.6	111.6	136.0	155.2	163.0	157.3	141.7	137.0	110.0
105°	60.2	60.7	72.7	94.5	115.2	131.3	134.4	125.6	110.5	104.3	86.7
107.5°	53.5	54.0	63.3	82.0	99.6	110.5	111.6	101.7	87.2	82.5	69.5
110°	47.7	48.8	55.5	71.1	86.2	94.5	93.4	83.0	69.5	65.4	57.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	43.1	44.1	49.3	62.3	74.7	82.0	79.4	67.0	55.5	52.9	47.2
115°	39.4	40.5	44.6	55.0	65.9	71.1	67.0	55.5	45.7	42.6	39.4
117.5°	36.8	37.4	40.5	48.8	57.1	61.2	56.6	46.2	37.4	35.3	33.7
120°	34.3	34.8	37.4	43.1	50.3	52.4	47.7	37.9	31.1	30.1	29.6
122.5°	32.2	32.2	34.3	38.4	43.6	45.2	40.5	31.7	26.5	25.4	25.9
125°	30.1	30.1	31.1	34.3	37.9	38.9	33.7	26.5	22.3	21.8	22.8
127.5°	28.0	28.0	28.5	30.6	32.7	32.7	28.0	21.8	19.2	18.7	20.2
130°	25.9	25.9	25.9	27.0	28.0	27.5	22.8	18.2	16.6	16.6	17.6
132.5°	23.9	23.9	23.9	23.9	23.4	22.3	18.7	14.5	14.5	14.5	15.6
135°	21.3	21.3	21.3	20.8	19.7	18.2	14.5	11.9	11.9	12.5	13.5
137.5°	19.2	19.2	18.7	17.6	16.1	14.0	11.4	9.3	10.4	10.4	11.4
140°	16.6	16.6	16.1	14.5	12.5	10.4	8.3	7.8	8.3	8.8	9.9
142.5°	14.0	14.0	13.5	11.9	9.9	7.3	5.7	5.7	6.7	6.7	7.8
145°	11.4	11.4	10.9	9.3	6.7	4.7	3.6	4.2	5.2	5.2	5.7
147.5°	8.8	8.8	8.3	6.7	4.7	3.1	2.1	3.1	3.6	3.6	4.2
150°	6.2	6.2	5.7	4.7	3.1	1.6	1.0	1.6	2.1	2.6	2.6
152.5°	4.2	4.2	3.6	3.1	1.6	0.5	1.0	1.6	1.6	1.6	2.1
155°	2.6	2.1	2.1	1.6	0.5	0.0	0.5	1.0	1.0	1.0	1.6
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	1.0	1.0
160°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
162.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
165°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
167.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
170°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
172.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
175°	0.0	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.0	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	181.1	179.1	175.9	172.8	169.7	167.6	165.6	164.5	163.0	161.4	161.4
5°	187.4	183.2	175.9	168.7	161.9	156.2	150.5	147.4	145.3	143.2	143.8
7.5°	198.8	192.5	180.6	168.7	157.8	148.4	140.6	134.4	130.3	127.7	128.2
10°	214.9	208.1	190.0	172.8	157.3	143.8	132.9	124.0	118.9	116.3	116.3
12.5°	240.3	228.9	205.0	180.6	159.9	141.7	127.7	117.3	110.0	106.9	106.4
15°	270.9	254.8	225.8	195.7	166.1	141.7	123.5	116.3	111.6	109.5	109.0
17.5°	307.2	289.6	249.6	209.7	174.4	144.8	129.2	120.4	115.2	113.1	112.6
20°	346.7	325.9	275.6	227.3	182.7	154.1	134.9	124.0	118.3	116.3	116.3
22.5°	395.0	367.5	303.6	242.9	193.1	161.9	140.6	127.2	122.0	119.9	119.4
25°	444.8	413.6	336.8	259.5	204.5	168.2	144.8	130.3	125.1	123.0	123.5
27.5°	503.4	463.5	369.5	276.1	214.3	171.8	146.9	132.9	127.7	126.1	126.6
30°	564.7	514.3	398.6	293.2	221.1	174.4	148.4	134.9	129.2	128.2	128.2
32.5°	629.5	572.5	428.7	308.3	225.2	174.9	148.4	136.0	130.3	129.7	130.3
35°	696.0	628.5	457.8	320.2	227.3	174.4	147.9	137.0	130.3	130.3	130.3
37.5°	769.7	683.5	482.1	328.5	227.8	172.8	147.4	136.5	130.3	130.3	130.8
40°	845.4	742.2	509.1	335.3	227.3	171.8	146.9	136.5	130.3	130.3	130.8
42.5°	920.7	796.7	534.6	339.4	226.3	170.8	146.4	136.5	130.3	129.2	129.7
45°	1002.2	860.0	559.0	342.0	225.2	170.2	146.4	136.0	130.3	128.2	128.7
47.5°	1078.0	918.6	578.7	345.1	224.7	170.2	146.9	136.0	129.7	127.7	127.7
50°	1163.6	979.3	598.9	346.2	223.7	170.2	146.9	136.0	129.2	126.1	126.6
52.5°	1248.2	1040.6	618.6	348.2	223.7	170.8	147.4	136.0	128.7	124.6	124.6
55°	1329.2	1095.1	636.3	349.8	223.7	171.8	149.0	136.0	128.2	123.0	123.0
57.5°	1403.4	1151.1	653.9	350.3	223.7	172.8	149.0	136.5	127.7	121.4	121.4
60°	1469.3	1199.4	666.4	350.8	223.2	173.9	150.0	136.0	127.2	119.9	119.9
62.5°	1516.0	1236.3	672.6	349.3	223.2	173.9	150.5	136.0	126.6	119.4	118.9
65°	1542.5	1249.2	669.0	344.6	222.1	173.9	150.0	135.5	125.6	118.3	117.8
67.5°	1533.6	1235.2	653.4	337.3	219.5	173.3	150.0	134.4	125.6	117.8	116.8
70°	1485.9	1193.2	623.8	326.4	215.9	171.3	147.9	132.9	124.6	117.3	116.3
72.5°	1392.5	1108.6	580.8	309.3	209.7	168.2	145.3	130.3	122.5	115.7	114.2
75°	1262.7	1007.9	528.3	291.7	201.9	164.0	142.2	127.7	119.9	113.7	112.1
77.5°	1096.1	873.5	470.2	268.8	192.0	158.3	138.1	123.5	116.3	110.5	108.5
80°	923.3	735.9	407.4	245.0	181.6	151.0	131.8	118.3	111.6	106.4	103.8
82.5°	747.4	604.6	348.8	222.1	169.7	142.7	125.6	112.6	106.4	100.7	98.1
85°	589.6	478.0	292.2	198.3	157.3	134.4	118.3	105.9	100.2	93.9	91.3
87.5°	458.8	379.4	244.4	176.5	143.8	125.1	110.5	99.1	92.4	86.7	84.6
90°	357.6	298.9	204.5	155.7	131.8	115.7	102.2	91.9	85.1	79.4	76.8
92.5°	272.5	236.7	171.3	137.5	119.9	106.4	94.5	84.6	77.8	71.6	69.0
95°	213.3	187.9	144.8	120.9	108.0	96.5	86.7	77.3	70.1	63.3	61.8
97.5°	165.6	150.5	122.0	105.9	97.6	87.2	78.4	70.1	62.8	56.1	54.5
100°	130.8	119.9	103.3	93.9	86.7	78.4	70.6	63.3	55.5	48.3	47.7
102.5°	103.3	98.6	87.7	82.5	76.8	70.6	63.8	56.1	48.3	41.5	41.0
105°	84.6	80.4	75.3	72.1	68.5	62.8	56.6	49.8	42.0	35.8	35.8
107.5°	68.5	66.4	63.8	63.3	60.7	56.1	50.9	44.1	36.3	31.1	31.1
110°	56.1	55.5	55.5	55.5	54.0	50.3	45.2	38.4	30.6	27.0	27.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	47.2	47.2	47.7	48.8	47.7	44.1	39.4	33.2	26.5	23.4	23.4
115°	40.0	40.5	42.0	42.6	42.0	39.4	34.8	28.5	22.3	20.2	20.8
117.5°	34.8	34.8	36.8	37.9	37.4	34.8	30.1	24.4	19.2	18.2	18.2
120°	30.1	31.1	32.7	33.2	32.7	30.1	26.5	20.8	16.6	16.1	16.1
122.5°	26.5	27.0	28.5	29.6	28.5	26.5	22.3	17.6	14.0	14.0	14.5
125°	23.4	23.9	24.9	25.9	24.9	22.3	19.2	14.5	12.5	12.5	12.5
127.5°	20.8	21.3	22.3	22.3	21.3	19.2	16.1	12.5	10.4	10.9	10.9
130°	18.2	18.7	19.2	19.2	18.7	16.6	13.5	10.4	9.3	9.9	9.9
132.5°	16.1	16.6	16.6	16.6	15.6	14.0	11.4	8.8	8.3	8.8	8.8
135°	14.0	14.0	14.5	14.0	13.0	11.4	8.8	7.3	7.3	7.8	7.8
137.5°	11.9	12.5	12.5	11.4	10.4	8.8	7.3	6.2	6.2	6.7	6.7
140°	9.9	10.4	9.9	9.3	8.3	7.3	5.7	4.7	5.2	5.7	5.7
142.5°	8.3	8.3	8.3	7.3	6.2	5.2	4.2	4.2	4.7	4.7	5.2
145°	6.2	6.2	6.2	5.7	4.7	3.6	3.1	3.1	3.6	4.2	4.2
147.5°	4.7	4.7	4.7	4.2	3.1	2.6	2.1	2.6	3.1	3.6	3.1
150°	3.1	3.1	3.1	2.6	2.1	1.6	1.6	2.1	2.6	2.6	2.6
152.5°	2.1	2.1	2.1	2.1	1.6	0.5	1.0	1.6	2.1	2.1	2.1
155°	1.6	1.6	1.6	1.6	1.0	0.0	0.5	1.0	1.6	1.6	1.6
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.0
165°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
167.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
170°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
172.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
175°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)