

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: P416489

Luminaire Tested: **LXF.LXT-PA1-70-827-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416489
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-PA1-70-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 5720 lumens
Efficiency: N/A
Efficacy: 77.3 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: B1 - U3 - G3

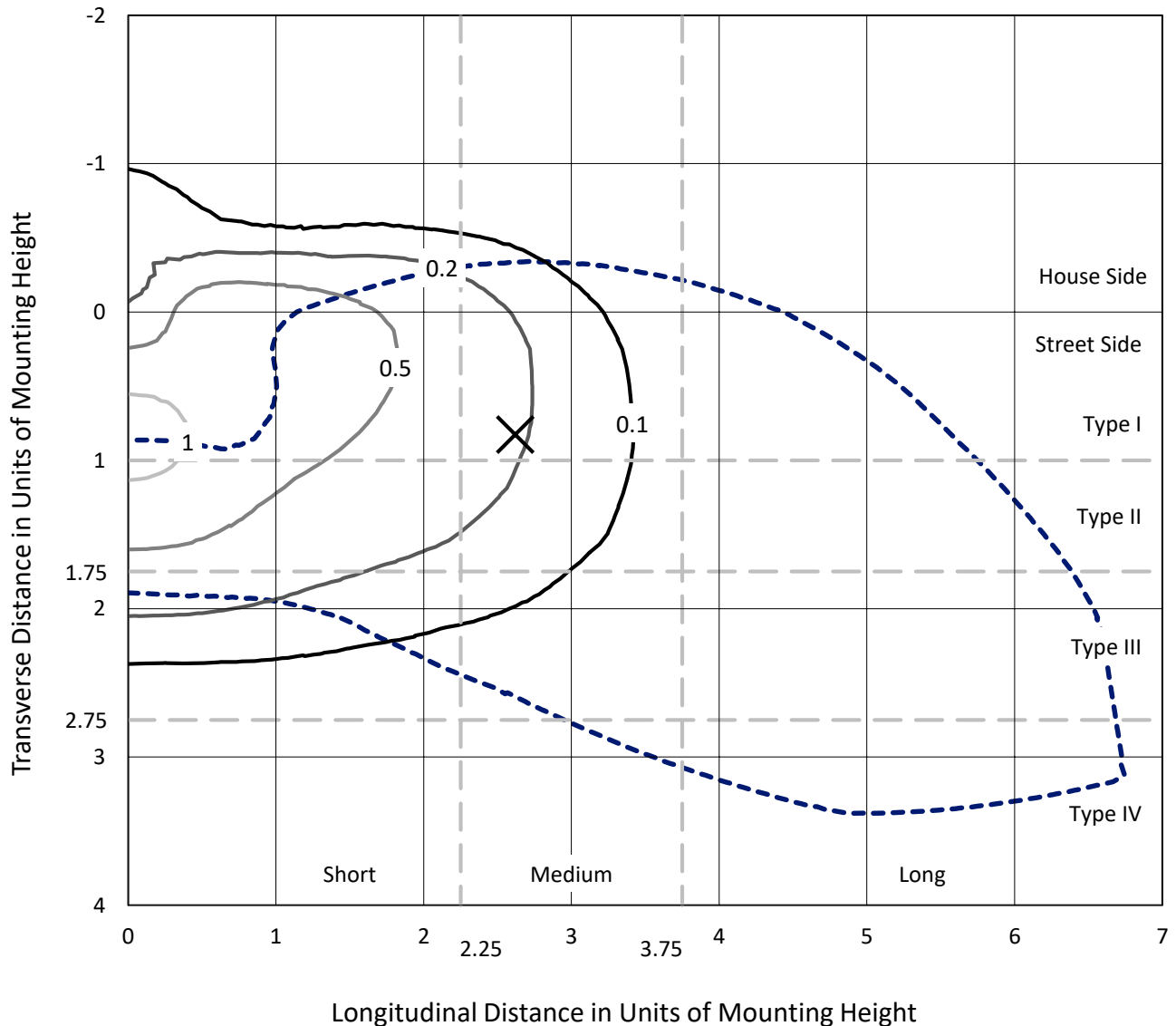
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

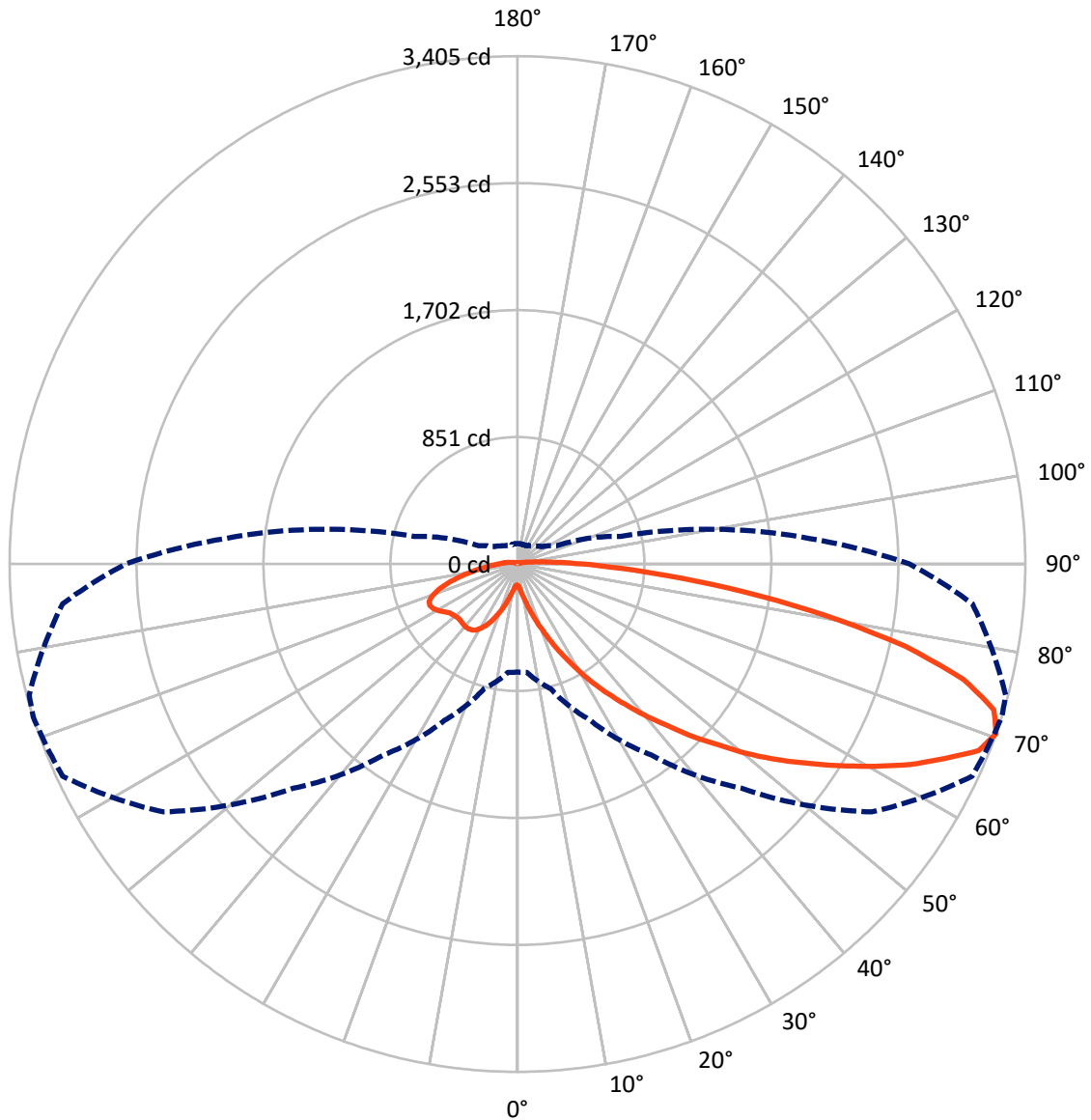


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.3	93.3	1121.6
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	4490.7	107.7	4598.4
	% Fixture	78.5	1.9	80.4
Total	Lumens	5519.0	201.0	5720.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.3
10°-20°	77.4	1.4
20°-30°	216.1	3.8
30°-40°	448.0	7.8
40°-50°	773.8	13.5
50°-60°	1142.8	20.0
60°-70°	1348.8	23.6
70°-80°	1070.4	18.7
80°-90°	425.6	7.4
90°-100°	112.5	2.0
100°-110°	43.4	0.8
110°-120°	21.1	0.4
120°-130°	12.0	0.2
130°-140°	7.1	0.1
140°-150°	3.3	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5519.0	96.5
0°-180°	5720.0	100.0

Coefficient of Utilization



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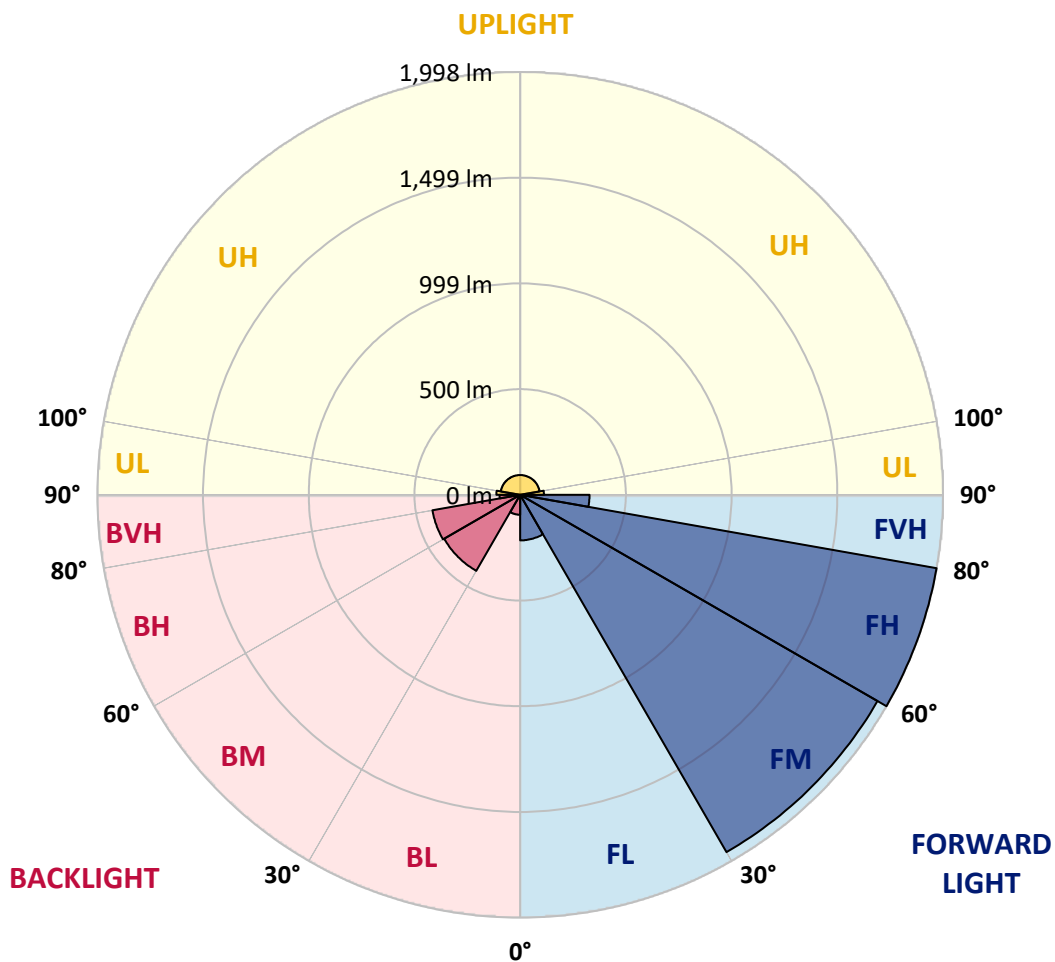
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.3	3.8			
FM	(30°-60°)	1949.6	34.1			
FH	(60°-80°)	1998.1	34.9			G2/5000
FVH	(80°-90°)	327.7	5.7			G3/500
BL	(0°-30°)	94.3	1.6	B0/110		
BM	(30°-60°)	414.9	7.3	B1/1000		
BH	(60°-80°)	421.2	7.4	B1/500		G1/500
BVH	(80°-90°)	97.9	1.7			G1/100
UL	(90°-100°)	112.5	2.0		U3/500	
UH	(100°-180°)	93.3	1.6		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°	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
2.5°	160.7	161.4	160.7	160.7	159.4	158.7	154.7	152.0	150.0	148.6	146.6
5°	186.3	187.6	187.0	187.0	183.6	181.6	176.9	171.5	167.5	166.8	160.7
7.5°	220.6	219.9	217.2	216.6	215.2	211.9	205.1	197.1	193.0	191.7	182.9
10°	263.0	259.6	261.0	256.2	253.6	248.2	242.1	236.1	228.0	228.0	215.9
12.5°	305.3	312.7	310.7	304.0	298.6	289.9	282.5	280.5	271.0	272.4	261.0
15°	374.6	373.9	367.9	363.2	352.4	341.7	334.9	330.2	327.5	325.5	312.7
17.5°	447.9	443.9	439.2	425.1	409.6	400.2	394.1	389.4	392.8	392.1	376.6
20°	532.7	528.0	521.2	495.7	475.5	460.7	457.3	462.7	464.7	470.1	454.7
22.5°	626.8	624.8	608.7	579.7	545.4	525.9	522.6	535.4	550.8	553.5	542.8
25°	739.8	737.1	714.9	673.2	628.2	598.6	598.6	618.8	644.3	650.4	645.0
27.5°	860.9	854.2	825.2	774.1	712.2	673.9	669.2	705.5	741.2	758.6	751.9
30°	1000.1	998.8	951.0	888.5	814.5	753.3	751.3	804.4	854.8	862.9	864.2
32.5°	1143.4	1154.8	1099.6	1006.2	916.7	844.7	841.4	901.2	971.2	985.3	985.3
35°	1308.8	1309.5	1241.5	1148.7	1026.3	944.3	934.9	1006.2	1084.2	1103.7	1114.4
37.5°	1475.6	1471.6	1410.4	1282.6	1145.4	1046.5	1037.8	1121.8	1210.6	1242.2	1240.2
40°	1639.7	1651.1	1573.8	1432.6	1267.1	1166.9	1145.4	1244.2	1346.5	1382.1	1368.0
42.5°	1816.6	1813.9	1744.6	1587.2	1403.0	1283.2	1270.5	1372.7	1486.4	1526.7	1513.9
45°	1971.3	1969.9	1894.6	1737.2	1532.8	1417.8	1400.3	1508.6	1651.1	1688.8	1662.6
47.5°	2113.9	2110.5	2032.5	1872.4	1646.4	1546.2	1547.6	1658.5	1809.9	1871.7	1831.4
50°	2224.2	2212.7	2163.6	1990.8	1769.5	1681.4	1707.0	1837.4	1998.9	2054.7	2011.0
52.5°	2283.3	2265.9	2227.5	2073.5	1885.9	1815.2	1864.3	2019.0	2178.4	2231.6	2183.8
55°	2255.1	2255.1	2233.6	2123.9	1968.6	1937.6	2036.5	2192.5	2358.7	2417.2	2374.8
57.5°	2141.4	2158.9	2169.0	2110.5	2025.8	2058.7	2215.4	2390.3	2549.7	2614.2	2558.4
60°	1942.4	1947.1	2021.0	2037.9	2048.6	2161.6	2401.0	2609.5	2752.8	2803.9	2740.7
62.5°	1660.6	1682.7	1772.9	1897.3	2015.0	2247.0	2596.1	2830.1	2959.3	2993.6	2901.4
65°	1347.1	1341.8	1508.6	1694.9	1922.2	2271.9	2753.5	3044.0	3144.2	3190.0	3029.9
67.5°	1021.6	1018.3	1172.3	1445.3	1764.8	2245.7	2881.3	3225.6	3335.9	3337.2	3110.6
70°	724.3	729.7	866.3	1156.1	1561.7	2126.0	2896.7	3364.2	3404.5	3388.4	3061.5
72.5°	491.6	495.7	625.5	885.8	1292.7	1932.3	2767.6	3349.4	3339.9	3294.9	2859.7
75°	316.8	343.7	439.9	673.2	1046.5	1653.2	2516.7	3137.5	3088.4	3013.7	2509.3
77.5°	218.6	232.0	306.0	490.3	817.8	1365.3	2160.9	2711.8	2660.7	2569.2	2023.1
80°	148.0	154.0	210.5	366.5	643.6	1073.4	1760.8	2183.1	2095.0	2000.9	1517.3
82.5°	98.9	110.3	151.3	263.0	486.9	828.6	1339.1	1667.3	1527.4	1446.0	1066.0
85°	65.9	72.0	107.6	191.0	352.4	603.3	963.8	1132.6	1009.5	937.6	681.3
87.5°	44.4	49.8	76.7	136.5	261.0	438.5	645.7	731.7	632.9	587.8	412.3
90°	29.6	33.0	56.5	98.2	184.3	306.0	435.8	452.0	388.1	360.5	252.2
92.5°	20.8	24.2	42.4	72.6	129.1	212.5	279.8	273.7	228.7	215.2	162.8
95°	16.1	18.8	33.0	55.8	94.2	145.9	182.3	166.8	144.6	139.9	112.3
97.5°	14.1	15.5	27.6	45.1	71.3	103.6	118.4	113.0	97.5	94.8	82.1
100°	12.8	14.1	24.2	39.0	57.2	76.0	84.7	78.7	70.6	68.6	60.5
102.5°	12.1	12.8	21.5	33.6	47.1	59.9	65.2	58.5	52.5	51.8	46.4
105°	11.4	12.1	18.8	28.9	39.7	49.1	51.1	45.7	41.0	39.0	35.0
107.5°	10.8	10.8	16.8	25.6	34.3	41.0	42.4	37.0	31.6	30.3	27.6
110°	10.1	10.8	15.5	22.9	30.3	35.6	35.6	30.3	24.9	23.5	22.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.1	10.1	14.1	20.2	26.9	30.9	30.3	24.9	20.2	18.2	18.2
115°	9.4	10.1	13.5	18.8	24.2	26.9	25.6	20.8	16.1	14.8	15.5
117.5°	9.4	10.1	12.1	16.8	21.5	23.5	22.2	17.5	13.5	12.8	14.1
120°	9.4	10.1	12.1	15.5	18.8	20.8	19.5	14.8	12.1	11.4	12.8
122.5°	10.1	10.1	11.4	14.1	17.5	18.8	16.8	12.8	10.8	10.1	11.4
125°	10.1	10.1	11.4	13.5	16.1	16.8	14.8	11.4	9.4	9.4	10.8
127.5°	10.1	10.1	11.4	12.8	14.8	14.8	13.5	10.1	8.7	8.7	10.1
130°	10.1	10.1	10.8	12.1	13.5	13.5	11.4	8.7	8.1	8.1	9.4
132.5°	10.8	10.8	10.8	11.4	12.1	12.1	10.1	8.1	7.4	7.4	9.4
135°	10.1	10.1	10.1	10.8	10.8	10.8	8.7	7.4	6.7	7.4	8.7
137.5°	9.4	9.4	10.1	10.1	10.1	9.4	7.4	6.1	6.1	6.7	8.1
140°	9.4	8.7	9.4	9.4	8.7	8.1	6.7	5.4	5.4	6.1	6.7
142.5°	8.1	8.1	8.1	8.1	7.4	6.7	5.4	4.7	5.4	5.4	6.1
145°	7.4	7.4	7.4	6.7	6.7	5.4	4.0	4.0	4.0	4.7	5.4
147.5°	6.1	6.1	6.1	6.1	5.4	4.7	2.7	3.4	3.4	3.4	4.0
150°	4.7	4.7	5.4	4.7	4.0	3.4	2.0	2.7	3.4	3.4	3.4
152.5°	4.0	4.0	4.0	4.0	3.4	2.0	2.0	2.7	2.7	2.7	3.4
155°	2.7	2.7	2.7	2.7	2.0	1.3	2.0	2.0	2.7	2.7	2.7
157.5°	1.3	1.3	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.0
160°	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
162.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
165°	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
167.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
170°	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
172.5°	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
175°	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
177.5°	0.0	0.7	1.3	1.3	2.0	1.3	1.3	1.3	1.3	1.3	2.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
2.5°	145.3	143.9	141.2	138.5	136.5	134.5	133.2	131.1	129.8	129.8	129.8
5°	156.7	155.4	148.6	141.9	135.9	130.5	126.4	121.7	119.7	117.7	118.4
7.5°	179.6	174.9	164.1	152.7	142.6	131.8	123.8	117.0	113.0	110.3	110.3
10°	210.5	203.1	187.0	169.5	152.7	137.2	125.1	115.7	109.0	106.3	106.3
12.5°	250.2	242.8	217.9	191.7	166.1	143.9	128.5	116.4	109.0	105.6	105.6
15°	303.3	290.5	256.9	219.3	182.3	152.0	131.8	121.7	117.0	115.0	115.0
17.5°	366.5	347.7	304.0	247.5	198.4	160.1	140.6	131.1	127.1	126.4	126.4
20°	440.5	417.0	351.1	275.8	211.2	170.2	148.0	139.9	138.5	139.2	139.2
22.5°	524.6	490.3	399.5	301.3	223.3	176.2	153.3	146.6	148.0	151.3	150.7
25°	613.4	577.1	452.6	324.2	231.4	178.9	156.7	152.7	158.1	162.1	162.1
27.5°	717.0	660.5	501.1	340.3	233.4	176.9	157.4	155.4	162.8	168.8	170.2
30°	822.5	749.9	542.8	350.4	229.3	172.2	154.7	156.0	164.8	172.8	173.5
32.5°	929.5	834.6	577.1	352.4	222.6	166.1	152.0	154.7	164.1	172.8	174.2
35°	1035.7	914.0	599.9	345.0	211.9	160.1	147.3	152.0	161.4	171.5	172.8
37.5°	1140.0	989.3	614.0	332.9	201.1	154.7	143.9	148.6	158.1	169.5	170.8
40°	1253.7	1070.0	622.1	318.8	190.3	150.0	141.9	146.6	156.0	166.8	168.8
42.5°	1357.9	1144.0	622.8	301.3	182.3	148.0	140.6	144.6	153.3	164.8	166.8
45°	1493.8	1220.0	622.8	286.5	176.9	147.3	140.6	143.9	152.0	164.1	166.8
47.5°	1622.2	1307.5	624.1	273.7	174.2	148.6	141.9	143.3	150.0	164.1	166.8
50°	1771.5	1391.5	634.9	264.3	173.5	151.3	143.9	142.6	148.0	162.8	166.1
52.5°	1920.2	1502.5	648.3	257.6	174.9	154.0	145.3	142.6	145.9	159.4	163.4
55°	2082.9	1608.1	663.1	258.3	177.6	156.7	147.3	141.9	143.3	154.0	158.1
57.5°	2245.7	1731.8	695.4	262.3	180.9	160.1	149.3	141.9	139.9	148.0	151.3
60°	2388.3	1840.8	729.1	271.0	185.6	163.4	150.7	141.2	137.2	141.9	144.6
62.5°	2538.9	1959.8	756.0	278.4	191.0	166.1	150.7	140.6	135.2	138.5	139.9
65°	2637.1	2030.5	770.1	287.9	196.4	168.1	151.3	139.2	134.5	136.5	137.9
67.5°	2687.6	2041.9	760.7	291.2	201.1	169.5	150.7	137.9	135.2	136.5	137.9
70°	2627.7	1965.9	715.6	289.2	202.4	169.5	149.3	136.5	135.2	137.2	137.9
72.5°	2411.1	1783.0	649.0	279.1	200.4	166.8	147.3	134.5	134.5	137.9	137.9
75°	2076.2	1520.0	561.6	263.6	195.0	162.8	143.3	131.1	132.5	137.2	137.2
77.5°	1662.6	1202.5	462.7	241.4	185.0	156.0	137.9	126.4	129.8	135.2	134.5
80°	1237.5	895.9	372.6	216.6	171.5	146.6	130.5	121.1	125.8	130.5	129.1
82.5°	824.6	628.8	294.6	190.3	157.4	137.2	122.4	113.7	119.7	124.4	122.4
85°	535.4	419.0	228.0	164.1	142.6	126.4	112.3	105.6	111.6	115.7	113.7
87.5°	333.6	281.1	173.5	139.9	127.1	114.3	103.6	96.2	102.2	106.3	103.6
90°	220.6	188.3	136.5	121.1	113.0	102.9	92.8	87.4	93.5	94.8	92.8
92.5°	145.3	133.2	111.0	103.6	99.5	91.5	84.1	79.4	84.1	84.7	83.4
95°	104.2	100.9	91.5	90.1	88.1	81.4	75.3	71.3	74.0	74.7	72.0
97.5°	79.4	78.7	78.0	78.0	76.7	72.0	66.6	63.2	64.6	63.9	61.9
100°	61.9	63.2	65.2	66.6	65.9	62.5	58.5	55.8	56.5	53.8	51.8
102.5°	48.4	51.1	54.5	56.5	56.5	53.8	51.8	49.1	47.1	43.7	43.0
105°	38.3	40.4	45.1	48.4	48.4	47.1	45.1	41.7	39.7	35.6	35.6
107.5°	30.3	33.0	38.3	41.0	41.7	40.4	39.0	36.3	33.0	28.9	28.9
110°	24.2	26.2	32.3	35.0	35.6	35.0	33.6	30.3	26.9	24.2	24.2



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CATALOG NUMBER: LXF.LXT-PA1-70-827-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	22.2	26.9	29.6	30.9	30.3	28.9	25.6	22.2	20.2	20.2
115°	17.5	19.5	22.9	25.6	26.2	26.2	24.2	22.2	18.2	17.5	17.5
117.5°	15.5	16.8	20.2	22.2	23.5	22.9	20.8	18.8	16.1	15.5	15.5
120°	14.1	15.5	18.2	20.2	20.2	19.5	18.2	16.1	14.1	13.5	14.1
122.5°	12.8	14.1	16.1	17.5	17.5	17.5	16.1	14.1	12.1	12.1	12.8
125°	12.1	12.8	14.8	15.5	16.1	15.5	14.1	12.1	10.8	11.4	11.4
127.5°	11.4	12.1	13.5	14.1	14.1	13.5	12.1	10.8	9.4	10.1	10.8
130°	10.8	11.4	12.1	12.8	12.8	12.1	10.8	9.4	8.7	9.4	9.4
132.5°	9.4	10.1	10.8	11.4	10.8	10.8	9.4	8.1	8.1	8.7	8.7
135°	8.7	9.4	9.4	10.1	9.4	9.4	8.1	7.4	7.4	8.1	8.1
137.5°	8.1	8.7	8.7	8.7	8.1	8.1	7.4	6.7	6.7	6.7	7.4
140°	7.4	7.4	7.4	7.4	6.7	6.7	6.1	5.4	6.1	6.1	6.1
142.5°	6.7	6.7	6.7	6.1	6.1	5.4	4.7	4.7	5.4	5.4	5.4
145°	5.4	5.4	5.4	4.7	4.7	4.0	4.0	4.0	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.0	3.4	3.4	3.4	3.4	4.0	4.0	4.0
150°	4.0	4.0	4.0	3.4	2.7	2.7	2.0	2.7	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	2.7	1.3	2.0	2.7	2.7	2.7	2.7
155°	2.7	2.7	3.4	2.7	2.0	0.7	1.3	2.0	2.0	2.0	2.0
157.5°	2.7	2.7	2.7	2.0	1.3	0.7	1.3	1.3	2.0	1.3	2.0
160°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	1.3	1.3
162.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	0.7	0.7	0.7
165°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)