

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: P416483

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416483
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-PA1-70-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 5736 lumens
Efficiency: N/A
Efficacy: 77.5 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

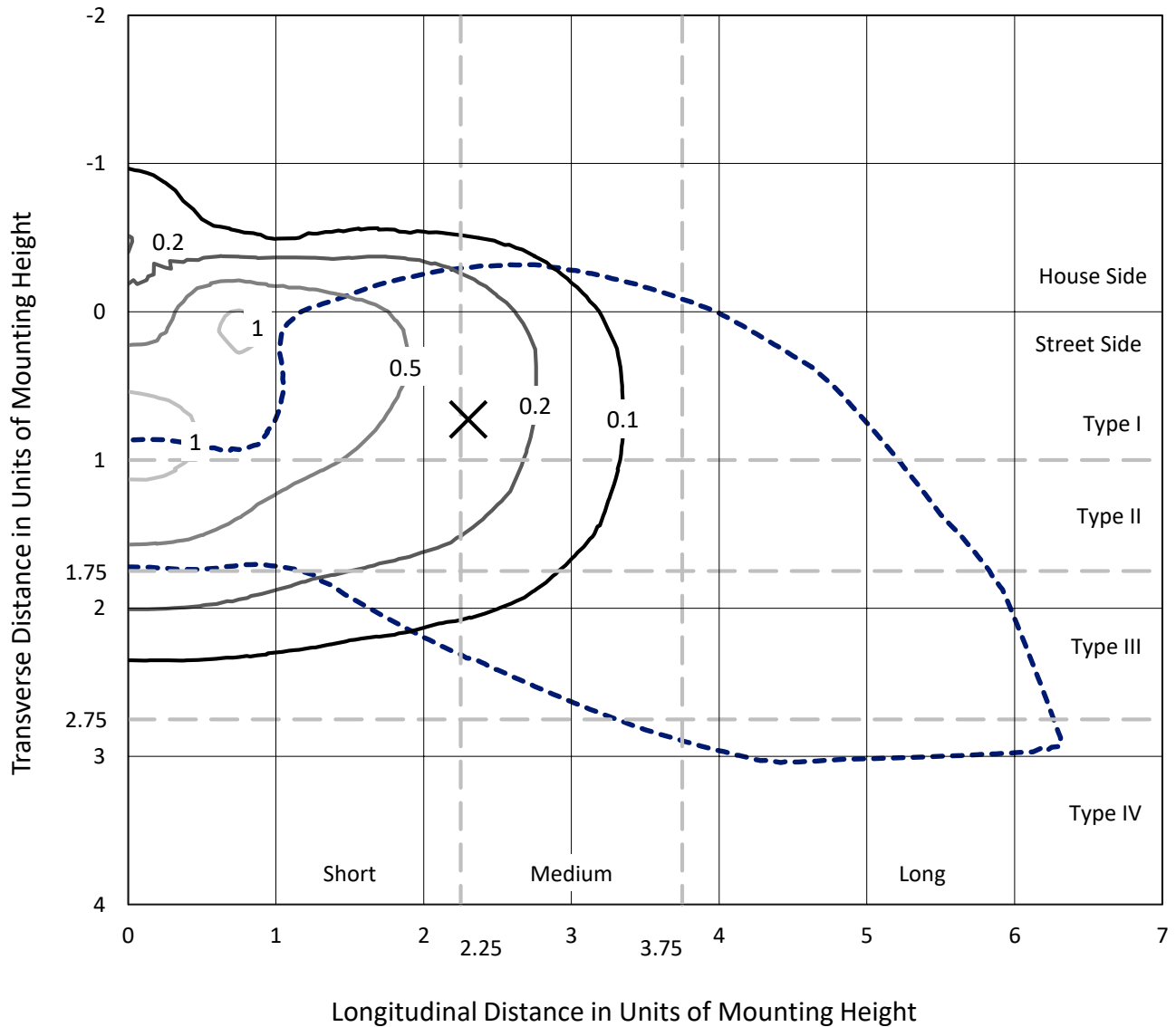
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

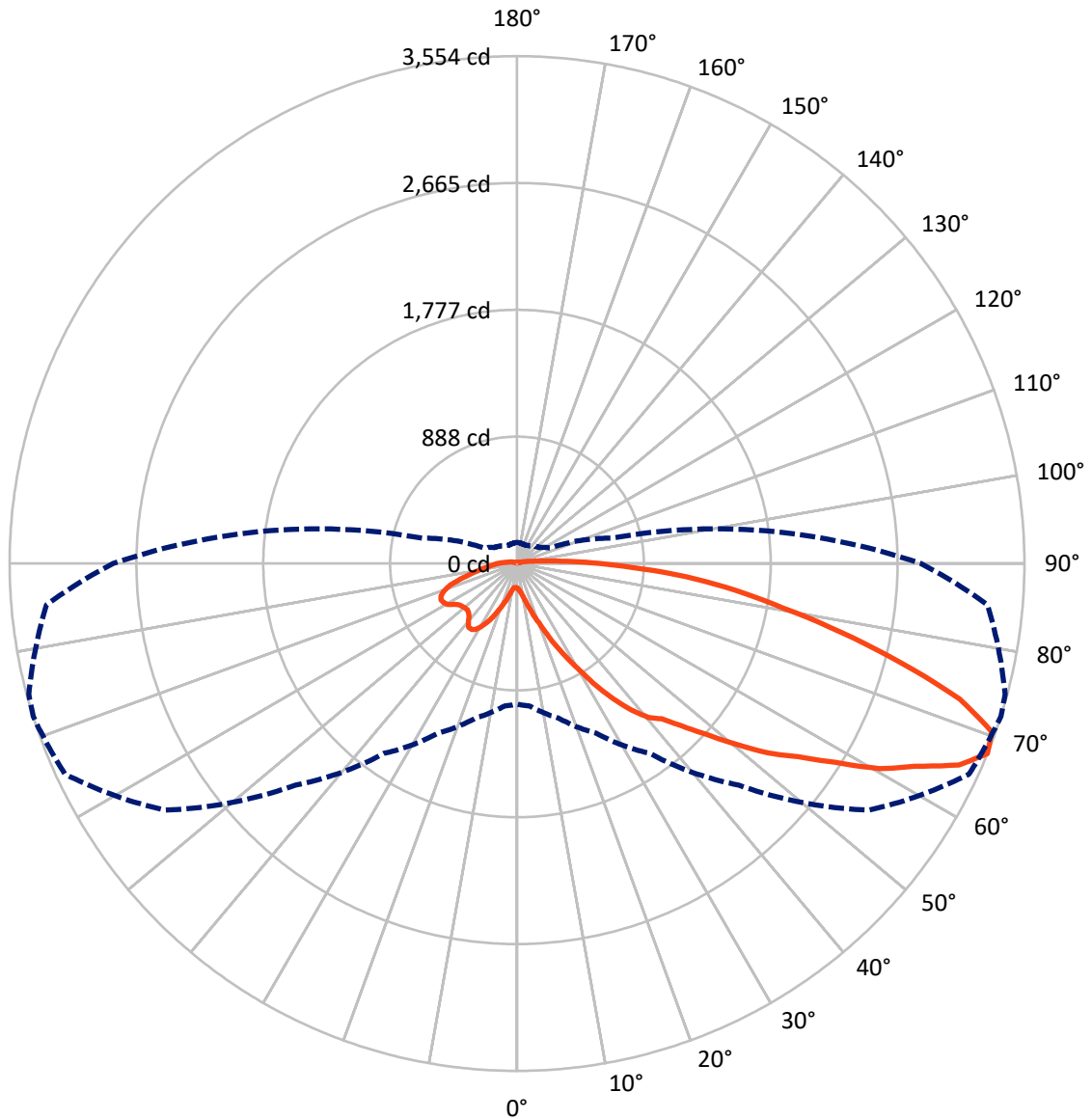
× Max cd
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1003.6	88.2	1091.9
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4519.4	124.7	4644.1
	% Fixture	78.8	2.2	81.0
Total	Lumens	5523.0	213.0	5736.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	77.4	1.3
20°-30°	214.5	3.7
30°-40°	461.3	8.0
40°-50°	780.7	13.6
50°-60°	1145.5	20.0
60°-70°	1366.1	23.8
70°-80°	1020.2	17.8
80°-90°	439.4	7.7
90°-100°	127.5	2.2
100°-110°	41.5	0.7
110°-120°	19.4	0.3
120°-130°	11.9	0.2
130°-140°	7.6	0.1
140°-150°	3.4	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5523.0	96.3
0°-180°	5736.0	100.0



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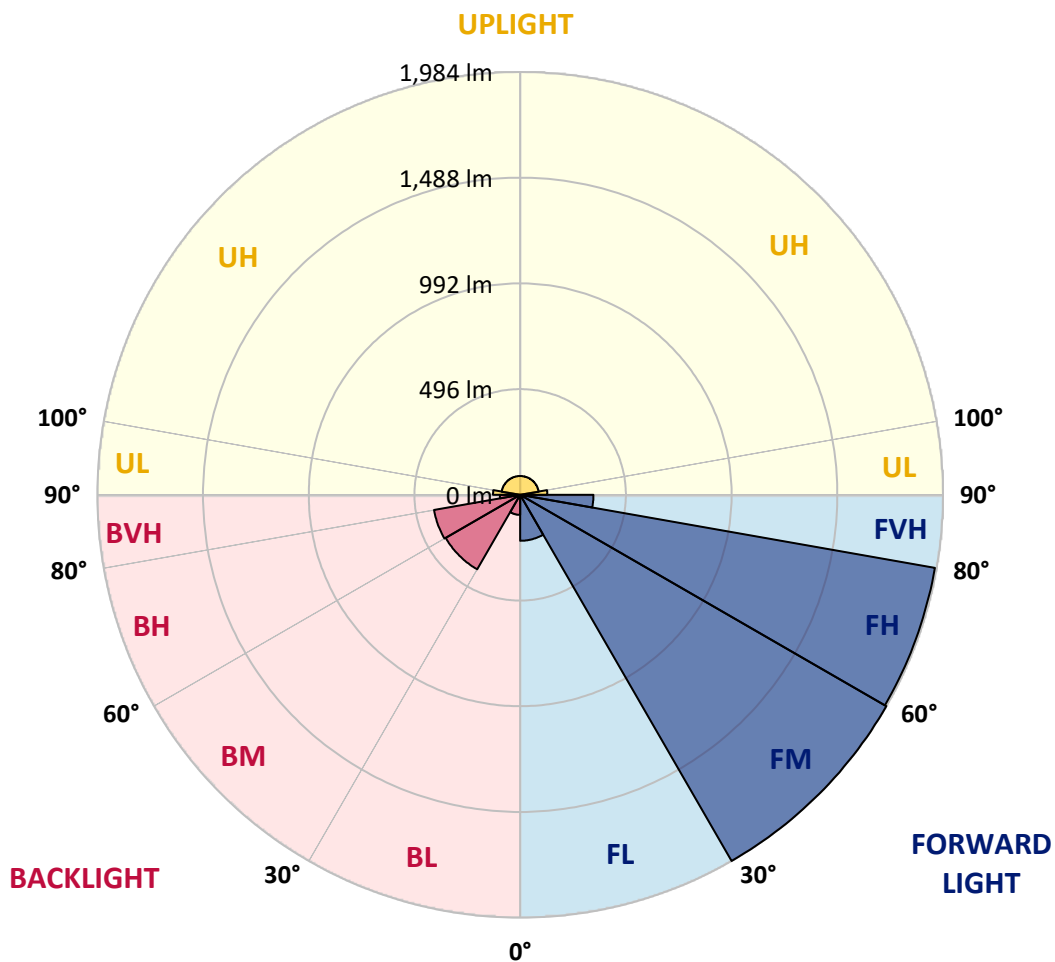
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.8	3.8			
FM (30°-60°)	1983.9	34.6			
FH (60°-80°)	1976.0	34.4			G2/5000
FVH (80°-90°)	343.7	6.0			G3/500
BL (0°-30°)	94.1	1.6	B0/110		
BM (30°-60°)	403.6	7.0	B1/1000		
BH (60°-80°)	410.3	7.2	B1/500		G1/500
BVH (80°-90°)	95.7	1.7			G1/100
UL (90°-100°)	127.5	2.2		U3/500	
UH (100°-180°)	88.2	1.5		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°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	188.3	189.6	191.0	190.3	189.6	187.6	184.3	180.9	177.5	177.5	174.9
5°	215.2	214.5	213.9	214.5	211.2	206.5	201.1	195.0	190.3	189.0	182.3
7.5°	246.1	244.8	246.1	242.1	237.4	231.3	223.3	215.2	207.1	205.8	195.0
10°	283.1	281.8	281.1	277.7	269.0	260.3	252.2	239.4	233.4	231.3	217.2
12.5°	329.5	328.9	324.8	318.1	306.7	297.9	286.5	279.8	273.7	269.0	254.9
15°	382.7	384.0	379.3	365.2	351.1	337.6	332.2	326.8	322.1	320.1	308.0
17.5°	457.3	454.6	443.9	422.3	399.5	388.7	384.0	380.6	385.3	384.0	365.2
20°	549.4	542.7	525.9	488.9	460.7	443.2	439.2	445.2	447.9	454.6	441.8
22.5°	657.7	649.0	620.7	579.0	538.0	505.1	501.0	519.2	536.0	538.0	532.6
25°	763.3	755.2	730.3	675.9	620.7	577.0	567.6	608.0	641.6	647.6	655.0
27.5°	871.6	867.5	831.2	772.0	711.5	656.4	655.0	698.7	751.2	765.3	778.1
30°	994.6	1004.1	958.3	883.7	807.7	743.8	740.4	805.0	869.6	899.8	921.3
32.5°	1168.2	1160.1	1102.9	1019.5	906.5	831.9	836.6	911.9	1020.9	1046.4	1074.7
35°	1367.2	1369.9	1291.9	1162.1	1028.9	936.8	933.4	1038.4	1164.8	1186.3	1233.4
37.5°	1530.6	1544.1	1486.3	1337.0	1166.1	1047.1	1051.8	1169.5	1302.7	1345.7	1386.7
40°	1706.2	1718.3	1651.0	1505.8	1315.4	1168.8	1175.6	1289.9	1417.0	1452.0	1462.0
42.5°	1897.8	1909.9	1828.6	1656.4	1441.2	1315.4	1289.2	1376.6	1487.6	1531.3	1540.1
45°	2077.4	2098.2	2016.2	1813.8	1581.7	1447.2	1407.6	1478.2	1623.4	1663.8	1673.2
47.5°	2132.5	2157.4	2121.8	1956.3	1716.3	1560.9	1534.7	1632.9	1789.6	1849.4	1837.3
50°	2185.7	2208.5	2187.0	2040.4	1827.9	1692.7	1698.8	1813.1	1990.6	2067.3	2057.9
52.5°	2193.7	2217.3	2195.1	2092.2	1923.4	1825.9	1893.1	2028.3	2204.5	2260.3	2246.9
55°	2207.2	2222.7	2202.5	2086.1	1992.7	1967.8	2094.9	2248.9	2388.8	2455.3	2433.2
57.5°	2020.2	2026.3	2099.6	2068.6	2007.5	2125.1	2322.2	2461.4	2626.2	2725.7	2714.3
60°	1751.2	1764.0	1854.8	1926.1	1997.4	2237.4	2545.5	2756.0	2917.4	2982.6	2920.7
62.5°	1530.0	1544.1	1639.6	1731.0	1912.0	2287.2	2778.8	3019.6	3125.8	3185.0	3111.7
65°	1232.7	1243.5	1359.8	1539.4	1772.7	2267.7	2953.7	3294.0	3400.9	3424.4	3282.5
67.5°	985.2	1001.4	1119.7	1311.4	1623.4	2193.7	3010.8	3491.7	3553.6	3539.4	3307.4
70°	733.0	741.1	885.7	1129.1	1446.6	2032.3	2956.4	3536.1	3526.7	3508.5	3190.4
72.5°	505.1	503.7	639.6	877.0	1262.3	1848.1	2702.8	3285.2	3240.8	3193.8	2790.9
75°	326.2	344.3	429.1	637.5	1020.9	1581.7	2374.6	2852.8	2777.5	2702.8	2299.3
77.5°	219.9	232.7	301.3	456.6	780.1	1330.2	2043.8	2450.0	2324.2	2256.3	1856.1
80°	151.3	156.7	209.2	335.6	580.4	1055.2	1673.9	2027.6	1890.4	1809.7	1440.5
82.5°	106.3	110.3	145.9	247.5	437.1	788.2	1336.3	1686.7	1542.7	1484.2	1119.1
85°	76.7	79.4	104.9	184.3	332.2	591.8	1016.8	1312.1	1187.0	1141.9	799.6
87.5°	57.2	59.9	79.4	136.5	255.6	449.9	758.6	939.5	805.0	746.5	505.1
90°	42.4	45.1	61.2	102.2	199.7	338.9	549.4	642.2	522.5	473.4	322.1
92.5°	31.6	33.6	45.7	74.6	152.7	259.6	387.4	406.2	309.4	281.8	203.1
95°	23.5	24.9	34.3	54.5	108.9	189.0	253.5	237.4	182.3	165.4	128.4
97.5°	19.5	20.2	26.9	41.7	76.7	132.5	162.7	145.9	117.7	109.6	88.8
100°	16.1	16.8	21.5	31.6	55.8	90.8	107.6	94.8	82.0	78.7	69.3
102.5°	14.1	14.8	18.2	26.2	41.7	65.2	74.6	67.9	60.5	57.8	53.8
105°	12.8	12.8	16.1	22.2	34.3	49.1	54.5	49.8	45.1	43.7	43.0
107.5°	11.4	11.4	14.1	19.5	28.2	38.3	41.0	37.0	33.0	32.3	34.3
110°	10.8	10.8	12.8	17.5	24.2	31.6	32.3	27.6	24.9	24.9	27.6



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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	12.1	15.5	21.5	26.2	25.6	21.5	19.5	19.5	22.9
115°	10.1	10.1	11.4	14.8	18.8	22.2	20.8	17.5	16.1	16.1	19.5
117.5°	10.1	10.8	11.4	14.1	17.5	19.5	18.2	14.8	14.1	14.1	17.5
120°	10.8	10.8	11.4	14.1	16.1	16.8	15.5	12.8	12.1	12.8	16.1
122.5°	10.8	10.8	12.1	14.1	15.5	15.5	13.5	11.4	11.4	11.4	14.8
125°	11.4	11.4	12.1	14.1	14.8	14.1	12.1	10.8	10.8	11.4	13.5
127.5°	12.1	12.1	12.8	14.1	14.1	12.8	11.4	10.1	10.1	10.8	13.5
130°	13.5	13.5	13.5	14.1	12.8	11.4	10.1	9.4	10.1	10.8	13.5
132.5°	13.5	13.5	13.5	13.5	12.1	10.1	9.4	8.7	10.1	10.8	12.8
135°	12.1	12.1	12.1	12.1	10.8	8.7	8.1	8.1	9.4	10.1	12.1
137.5°	10.8	10.8	10.8	10.1	9.4	8.1	6.7	6.7	8.1	8.7	10.8
140°	9.4	9.4	8.7	8.7	8.1	6.7	6.1	6.1	6.7	7.4	8.7
142.5°	7.4	7.4	7.4	7.4	6.7	5.4	4.7	4.7	6.1	6.7	7.4
145°	6.1	6.1	6.1	6.1	5.4	4.7	4.0	4.0	4.7	5.4	6.1
147.5°	4.7	4.7	5.4	5.4	4.7	4.0	2.7	3.4	4.0	4.0	4.7
150°	4.0	4.0	4.0	4.7	3.4	2.7	2.0	2.7	3.4	3.4	4.0
152.5°	3.4	3.4	3.4	3.4	2.7	1.3	2.0	2.7	2.7	3.4	3.4
155°	2.0	2.0	2.7	2.7	2.0	1.3	2.0	2.0	2.7	2.7	3.4
157.5°	1.3	1.3	2.0	2.0	2.0	1.3	1.3	2.0	2.0	2.0	2.7
160°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
162.5°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
165°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
167.5°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
170°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
172.5°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
175°	0.0	0.7	1.3	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0
177.5°	0.0	0.7	1.3	2.0	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°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	172.8	171.5	168.8	166.1	163.4	160.7	160.1	158.7	158.0	157.4	158.0
5°	179.6	175.5	169.5	163.4	158.0	153.3	150.0	146.6	143.9	142.6	142.6
7.5°	191.7	184.9	174.9	164.8	155.4	147.3	141.9	137.2	133.8	132.5	131.8
10°	210.5	202.4	187.6	171.5	157.4	145.3	137.2	131.8	128.4	126.4	126.4
12.5°	243.4	234.0	210.5	185.6	162.7	145.9	135.2	129.8	126.4	125.8	126.4
15°	295.2	280.4	246.1	210.5	175.5	147.3	133.8	131.8	133.2	133.8	133.8
17.5°	355.8	335.6	291.9	238.1	189.6	153.3	139.2	137.9	139.9	141.9	143.2
20°	423.7	397.5	334.2	264.3	199.1	162.1	144.6	141.9	146.6	150.6	150.0
22.5°	509.8	478.2	388.0	284.5	205.8	164.1	146.6	143.9	152.0	156.7	158.0
25°	622.7	577.7	451.3	306.0	209.8	161.4	145.3	145.9	158.0	167.5	169.5
27.5°	745.8	680.6	509.8	323.5	209.8	154.7	143.2	151.3	168.1	180.2	181.6
30°	880.3	789.5	560.9	336.9	203.8	148.0	141.2	154.0	170.8	183.6	184.9
32.5°	1023.6	902.5	614.0	341.6	195.0	142.6	139.2	152.0	166.1	177.5	180.2
35°	1150.7	1003.4	634.9	334.9	182.9	138.5	134.5	145.3	159.4	173.5	174.2
37.5°	1283.2	1099.6	644.3	316.1	170.8	134.5	130.5	140.6	157.4	174.2	176.2
40°	1339.6	1124.4	617.4	289.9	159.4	131.8	128.4	139.9	158.0	174.9	177.5
42.5°	1397.5	1148.7	584.4	252.2	152.0	131.1	130.5	139.9	154.7	168.1	170.1
45°	1496.3	1202.5	569.6	226.6	148.0	133.2	132.5	137.9	148.6	160.7	164.8
47.5°	1637.6	1283.8	562.2	210.5	148.0	136.5	134.5	135.8	142.6	153.3	156.7
50°	1818.5	1396.8	571.6	201.8	151.3	141.2	137.2	135.2	137.9	149.3	153.3
52.5°	1970.5	1505.1	583.1	200.4	156.7	147.3	141.2	135.2	137.2	150.6	155.4
55°	2129.8	1608.0	595.8	203.8	163.4	152.0	143.9	136.5	137.9	150.6	156.0
57.5°	2361.2	1782.8	628.8	211.2	170.1	157.4	147.3	138.5	137.2	147.3	151.3
60°	2572.4	1949.6	677.9	225.3	178.2	162.7	150.6	139.9	136.5	143.2	145.9
62.5°	2700.1	2039.7	696.7	238.7	186.3	167.5	152.0	139.9	138.5	144.6	146.6
65°	2832.0	2125.8	704.1	249.5	191.0	170.1	152.0	141.2	141.2	145.3	145.9
67.5°	2827.2	2107.0	686.6	254.9	195.0	171.5	152.0	141.2	142.6	146.6	147.3
70°	2703.5	1998.7	642.9	254.2	194.4	169.5	149.3	140.6	145.9	150.6	151.3
72.5°	2340.3	1718.3	572.3	246.1	188.3	164.1	145.3	139.2	147.3	154.0	154.0
75°	1920.0	1399.5	472.8	230.7	180.9	157.4	139.2	134.5	144.6	154.0	154.0
77.5°	1512.5	1095.5	383.3	210.5	170.1	149.3	131.8	126.4	137.9	146.6	145.9
80°	1174.9	830.6	308.0	190.3	158.0	140.6	123.1	117.0	127.1	133.2	131.8
82.5°	901.2	639.6	254.2	171.5	145.9	130.5	114.3	108.9	118.4	122.4	121.1
85°	615.3	458.0	208.5	150.6	130.5	118.4	105.6	101.5	112.3	117.0	115.7
87.5°	406.2	314.7	174.2	132.5	115.0	106.3	95.5	94.2	106.3	111.0	110.3
90°	268.3	219.9	148.0	115.0	100.2	92.8	86.1	86.1	96.8	100.9	98.2
92.5°	176.9	156.0	117.0	97.5	85.4	80.7	76.7	76.0	85.4	86.8	84.7
95°	120.4	109.6	91.5	80.7	72.0	69.3	65.9	67.3	73.3	72.0	69.9
97.5°	86.1	83.4	74.0	65.9	59.9	59.2	57.8	58.5	61.9	59.2	57.8
100°	68.6	66.6	61.2	55.1	51.1	50.4	49.8	50.4	52.5	49.8	48.4
102.5°	55.1	55.1	51.1	46.4	43.0	43.7	43.7	43.7	44.4	40.4	40.4
105°	44.4	44.4	43.0	39.0	37.0	37.0	37.7	37.7	37.7	35.0	35.0
107.5°	35.6	37.0	36.3	33.0	31.6	32.3	32.3	31.6	31.6	30.3	30.3
110°	28.9	30.3	30.3	28.2	27.6	28.2	27.6	26.9	26.2	26.2	26.2



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.2	25.6	26.2	24.9	24.2	24.2	23.5	22.9	22.9	23.5	23.5
115°	20.8	22.2	22.9	21.5	21.5	21.5	20.2	19.5	19.5	20.8	20.8
117.5°	18.8	19.5	20.2	19.5	18.8	18.8	18.2	16.8	16.8	18.2	18.8
120°	16.8	17.5	18.2	17.5	16.8	16.1	15.5	14.8	14.8	16.8	16.8
122.5°	15.5	16.1	16.1	15.5	14.8	14.8	14.1	13.5	13.5	14.8	15.5
125°	14.8	14.8	14.8	14.1	13.5	12.8	12.1	12.1	12.1	13.5	13.5
127.5°	14.1	14.1	13.5	12.8	12.1	11.4	11.4	10.8	10.8	12.1	12.8
130°	14.1	14.1	12.8	12.1	11.4	10.1	10.1	9.4	10.1	11.4	11.4
132.5°	13.5	13.5	12.1	11.4	10.1	9.4	8.7	8.7	8.7	10.1	10.8
135°	12.8	12.1	10.8	10.1	8.7	8.1	8.1	8.1	8.1	9.4	9.4
137.5°	11.4	10.8	9.4	8.7	8.1	7.4	6.7	6.7	7.4	8.1	8.7
140°	9.4	9.4	8.1	7.4	6.7	6.1	6.1	6.1	6.7	7.4	7.4
142.5°	8.1	8.1	6.7	6.1	5.4	4.7	5.4	5.4	6.1	6.7	6.7
145°	6.7	6.1	6.1	4.7	4.7	4.0	4.0	4.7	5.4	6.1	6.1
147.5°	5.4	5.4	4.7	4.0	3.4	3.4	3.4	4.0	4.7	4.7	5.4
150°	4.7	4.7	4.0	4.0	2.7	2.0	2.7	4.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	3.4	2.7	1.3	2.0	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	2.7	2.0	0.7	2.0	2.7	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	1.3	0.7	1.3	2.0	2.0	2.0	2.7
160°	2.0	2.0	2.0	2.0	1.3	0.7	1.3	2.0	2.0	2.0	2.0
162.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	2.0	1.3	1.3	1.3
165°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	1.3	1.3
167.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	0.7	0.7
170°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	0.7	0.7
172.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	0.7	0.7
175°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	0.7	0.7
177.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	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)