

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: P416485

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416485
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-PA1-70-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 5594 lumens
Efficiency: N/A
Efficacy: 75.6 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

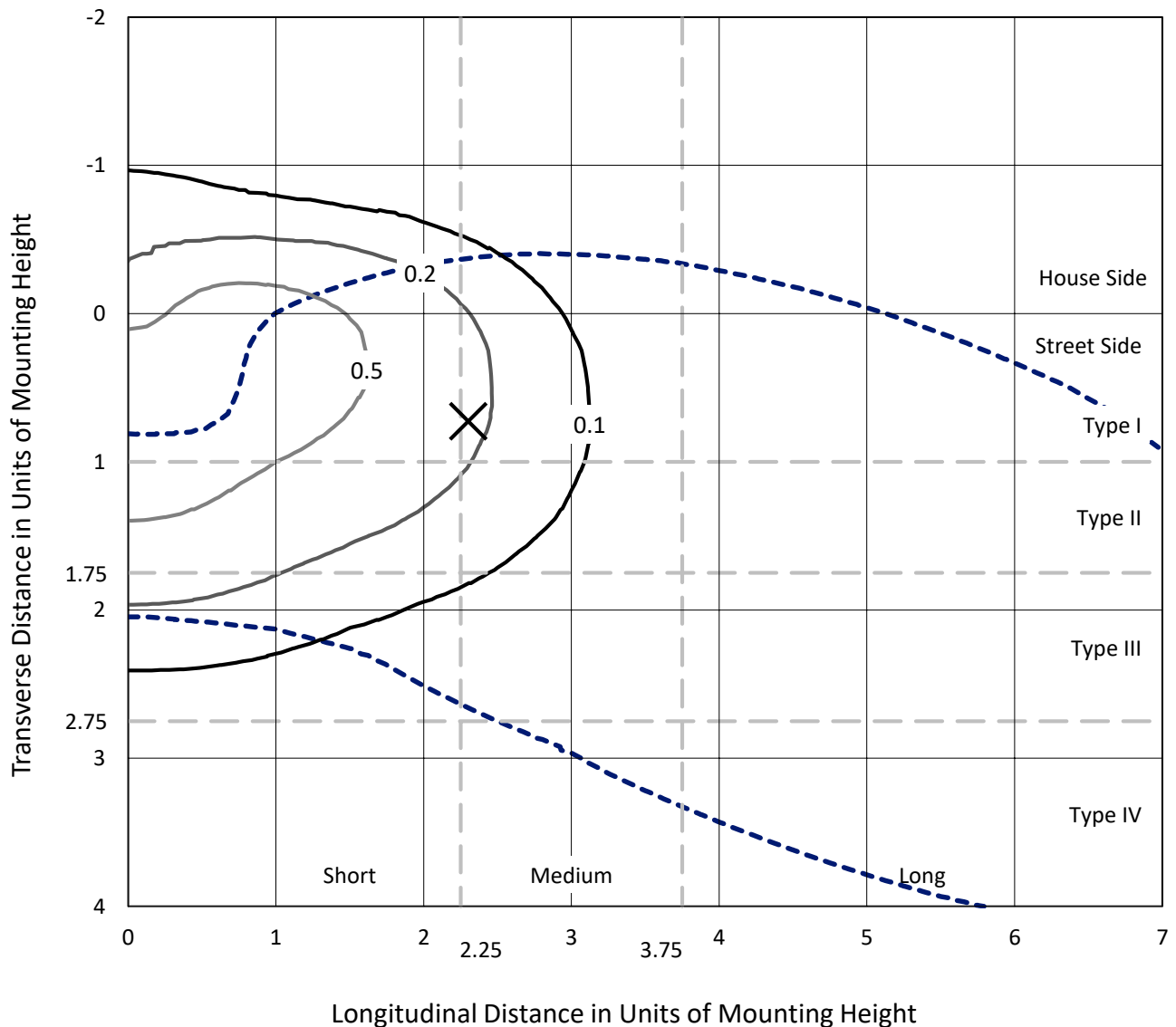
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

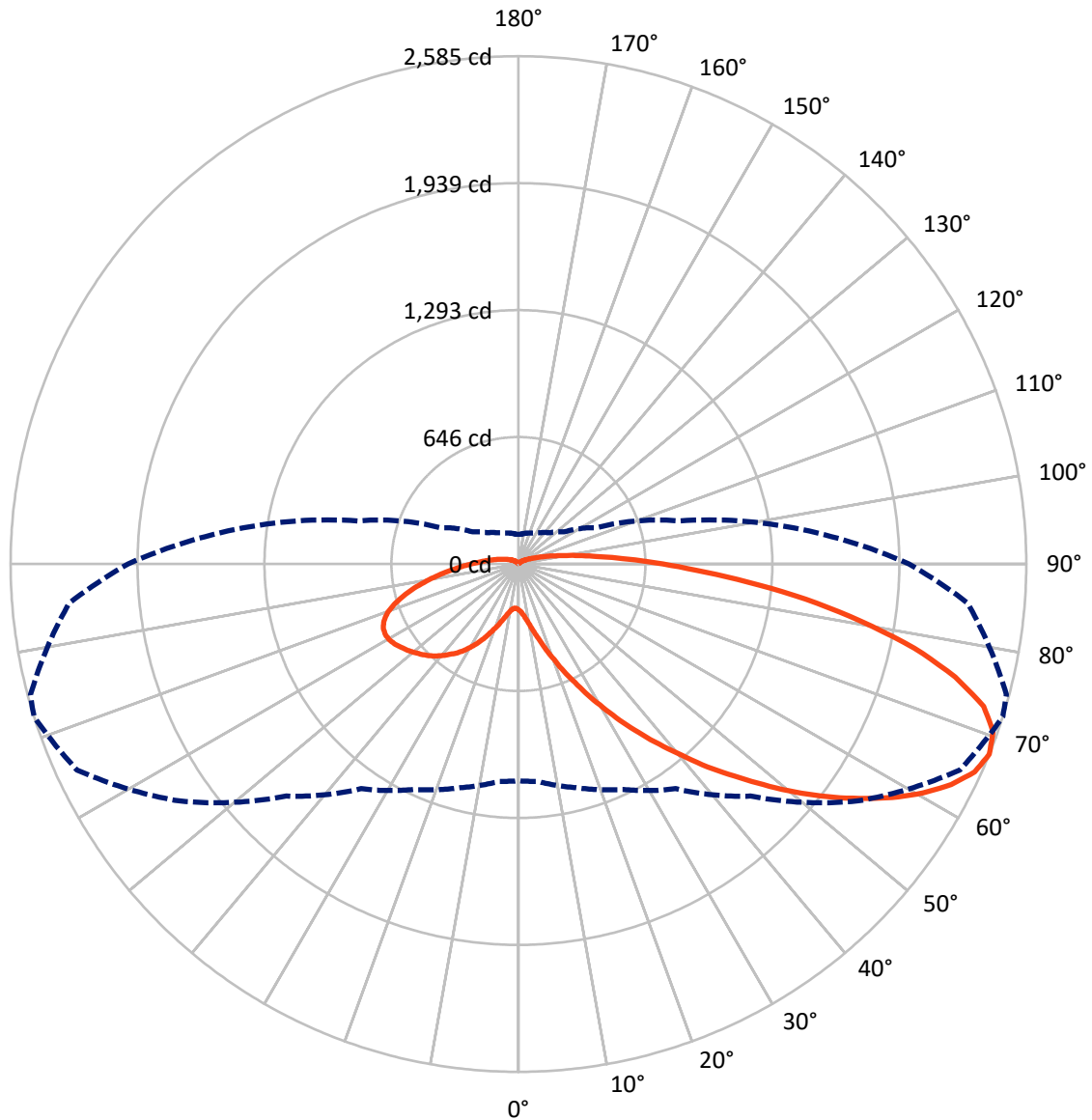
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	1136.0	161.6	1297.6
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3983.2	313.3	4296.4
	% Fixture	71.2	5.6	76.8
Total	Lumens	5119.1	474.9	5594.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.4
10°-20°	95.4	1.7
20°-30°	230.5	4.1
30°-40°	439.3	7.9
40°-50°	707.1	12.6
50°-60°	978.3	17.5
60°-70°	1124.1	20.1
70°-80°	964.9	17.2
80°-90°	555.5	9.9
90°-100°	251.1	4.5
100°-110°	115.4	2.1
110°-120°	58.0	1.0
120°-130°	30.1	0.5
130°-140°	14.3	0.3
140°-150°	4.9	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5119.1	91.5
0°-180°	5594.0	100.0



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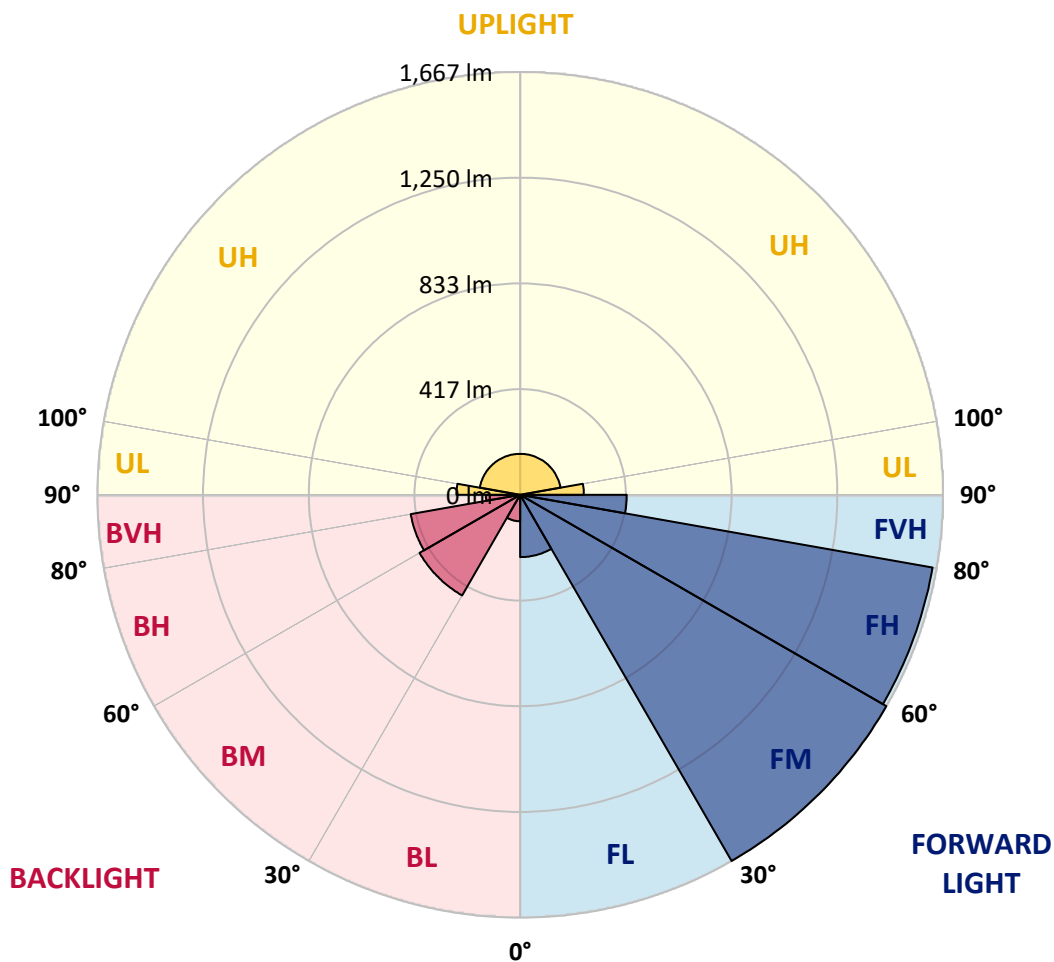
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.7	4.4			
FM	(30°-60°)	1666.7	29.8			
FH	(60°-80°)	1650.9	29.5			G1/1800
FVH	(80°-90°)	420.0	7.5			G3/500
BL	(0°-30°)	104.3	1.9	B0/110		
BM	(30°-60°)	458.0	8.2	B1/1000		
BH	(60°-80°)	438.0	7.8	B1/500		G1/500
BVH	(80°-90°)	135.6	2.4			G2/225
UL	(90°-100°)	251.1	4.5		U3/500	
UH	(100°-180°)	161.6	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°	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4
2.5°	261.6	260.9	261.6	259.6	257.6	253.5	250.9	245.5	242.8	241.4	236.1
5°	298.6	297.9	297.3	294.6	287.8	283.1	275.1	265.6	259.6	256.9	248.2
7.5°	339.0	337.6	336.3	330.2	325.5	317.4	305.3	293.2	283.1	281.1	265.0
10°	384.7	383.3	380.6	375.9	367.2	355.8	345.0	327.5	314.7	308.7	291.2
12.5°	431.8	434.4	431.1	421.7	411.6	400.8	385.4	368.5	355.1	350.4	323.5
15°	488.9	490.9	487.6	476.8	466.1	449.9	437.8	420.3	402.2	399.5	369.9
17.5°	552.1	551.5	544.7	534.7	525.2	512.5	495.0	478.8	458.7	454.0	417.6
20°	620.7	618.0	612.0	595.2	586.4	571.6	560.9	538.7	519.2	512.5	476.1
22.5°	689.3	688.0	682.6	667.1	656.4	643.6	627.5	607.3	593.8	580.4	540.0
25°	775.4	767.3	760.6	733.0	723.0	710.9	696.7	679.9	667.1	659.7	613.3
27.5°	861.5	855.4	840.0	819.8	800.3	780.8	774.7	759.9	755.9	749.9	697.4
30°	946.9	944.2	927.4	901.8	873.6	854.8	851.4	852.8	846.7	839.3	783.5
32.5°	1043.8	1037.7	1018.9	984.6	955.0	932.8	932.8	942.2	947.6	940.2	881.0
35°	1138.6	1133.2	1109.7	1067.3	1034.3	1007.4	1018.2	1040.4	1053.2	1053.2	979.9
37.5°	1238.8	1226.7	1202.5	1158.1	1113.7	1094.2	1106.3	1144.6	1163.5	1163.5	1089.5
40°	1326.2	1325.5	1292.6	1239.5	1195.7	1166.8	1203.8	1254.9	1279.8	1277.8	1199.8
42.5°	1413.6	1413.0	1381.4	1322.8	1267.7	1252.9	1299.3	1371.3	1411.6	1411.6	1311.4
45°	1492.3	1486.9	1460.0	1395.5	1344.4	1337.6	1406.2	1497.7	1539.4	1546.1	1432.5
47.5°	1550.2	1545.5	1521.9	1459.4	1410.9	1423.1	1505.8	1622.1	1678.6	1677.9	1556.2
50°	1589.2	1584.5	1564.3	1510.5	1468.8	1499.0	1614.0	1753.9	1824.5	1829.9	1678.6
52.5°	1600.6	1597.9	1587.1	1542.8	1515.9	1567.6	1715.6	1888.4	1968.5	1973.2	1812.4
55°	1581.1	1581.1	1580.4	1553.5	1542.8	1628.8	1820.5	2019.6	2106.3	2115.1	1944.3
57.5°	1535.4	1537.4	1549.5	1540.7	1556.9	1677.9	1909.3	2137.9	2242.9	2248.2	2061.9
60°	1466.1	1462.1	1489.0	1505.1	1548.8	1708.9	1988.0	2257.0	2366.6	2368.6	2165.5
62.5°	1361.2	1363.2	1402.2	1444.6	1519.9	1721.7	2057.2	2361.2	2472.2	2476.9	2246.2
65°	1237.4	1242.1	1295.3	1366.6	1470.1	1708.2	2096.9	2441.2	2552.2	2546.2	2292.6
67.5°	1103.6	1110.3	1179.6	1266.4	1396.2	1670.5	2103.6	2479.6	2585.2	2571.7	2296.7
70°	957.0	974.5	1043.8	1156.7	1300.7	1598.6	2064.6	2472.9	2563.0	2550.2	2236.8
72.5°	823.8	836.6	912.6	1030.3	1193.7	1494.3	1981.9	2395.5	2476.2	2450.7	2111.7
75°	691.4	710.9	782.8	908.6	1078.1	1365.2	1841.4	2246.2	2296.0	2268.4	1925.4
77.5°	578.4	595.9	667.1	788.2	950.9	1230.0	1657.1	2019.6	2060.6	2032.4	1690.0
80°	471.4	490.9	560.2	679.2	831.9	1071.3	1445.9	1754.6	1770.1	1725.7	1430.5
82.5°	394.1	404.2	468.7	573.7	714.2	924.0	1229.4	1472.1	1472.8	1419.7	1162.1
85°	322.1	328.2	387.4	482.2	602.6	780.8	1009.5	1185.7	1172.2	1143.3	895.8
87.5°	260.9	267.0	320.1	405.5	507.1	651.7	823.8	933.5	901.8	879.0	695.4
90°	213.9	220.6	264.3	338.3	425.7	538.0	655.7	721.6	693.4	675.9	536.0
92.5°	174.9	181.6	219.9	283.1	360.5	440.5	521.2	552.1	532.6	512.5	404.2
95°	148.0	149.3	183.6	236.7	297.9	355.8	408.2	426.4	399.5	392.1	312.7
97.5°	121.7	125.8	152.7	199.7	248.8	296.6	323.5	332.9	308.7	292.5	239.4
100°	103.6	105.6	129.1	166.8	207.1	241.4	262.3	257.6	236.1	226.6	181.6
102.5°	88.8	90.8	109.6	144.6	176.2	201.1	211.2	203.8	183.6	177.5	142.6
105°	78.0	78.7	94.2	122.4	149.3	170.1	174.2	162.7	143.2	135.2	112.3
107.5°	69.3	69.9	82.0	106.3	129.1	143.2	144.6	131.8	113.0	106.9	90.1
110°	61.9	63.2	72.0	92.1	111.6	122.4	121.1	107.6	90.1	84.7	74.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	55.8	57.2	63.9	80.7	96.8	106.3	102.9	86.8	72.0	68.6	61.2
115°	51.1	52.5	57.8	71.3	85.4	92.1	86.8	72.0	59.2	55.1	51.1
117.5°	47.7	48.4	52.5	63.2	74.0	79.4	73.3	59.9	48.4	45.7	43.7
120°	44.4	45.1	48.4	55.8	65.2	67.9	61.9	49.1	40.4	39.0	38.3
122.5°	41.7	41.7	44.4	49.8	56.5	58.5	52.5	41.0	34.3	33.0	33.6
125°	39.0	39.0	40.4	44.4	49.1	50.4	43.7	34.3	28.9	28.2	29.6
127.5°	36.3	36.3	37.0	39.7	42.4	42.4	36.3	28.2	24.9	24.2	26.2
130°	33.6	33.6	33.6	35.0	36.3	35.6	29.6	23.5	21.5	21.5	22.9
132.5°	30.9	30.9	30.9	30.9	30.3	28.9	24.2	18.8	18.8	18.8	20.2
135°	27.6	27.6	27.6	26.9	25.6	23.5	18.8	15.5	15.5	16.1	17.5
137.5°	24.9	24.9	24.2	22.9	20.8	18.2	14.8	12.1	13.5	13.5	14.8
140°	21.5	21.5	20.8	18.8	16.1	13.5	10.8	10.1	10.8	11.4	12.8
142.5°	18.2	18.2	17.5	15.5	12.8	9.4	7.4	7.4	8.7	8.7	10.1
145°	14.8	14.8	14.1	12.1	8.7	6.1	4.7	5.4	6.7	6.7	7.4
147.5°	11.4	11.4	10.8	8.7	6.1	4.0	2.7	4.0	4.7	4.7	5.4
150°	8.1	8.1	7.4	6.1	4.0	2.0	1.3	2.0	2.7	3.4	3.4
152.5°	5.4	5.4	4.7	4.0	2.0	0.7	1.3	2.0	2.0	2.0	2.7
155°	3.4	2.7	2.7	2.0	0.7	0.0	0.7	1.3	1.3	1.3	2.0
157.5°	1.3	1.3	1.3	1.3	0.7	0.0	0.7	0.7	0.7	1.3	1.3
160°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4
2.5°	234.7	232.0	228.0	223.9	219.9	217.2	214.5	213.2	211.2	209.2	209.2
5°	242.8	237.4	228.0	218.6	209.8	202.4	195.0	191.0	188.3	185.6	186.3
7.5°	257.6	249.5	234.0	218.6	204.4	192.3	182.3	174.2	168.8	165.4	166.1
10°	278.4	269.7	246.1	223.9	203.8	186.3	172.2	160.7	154.0	150.6	150.6
12.5°	311.4	296.6	265.6	234.0	207.1	183.6	165.4	152.0	142.6	138.5	137.9
15°	351.1	330.2	292.5	253.5	215.2	183.6	160.1	150.6	144.6	141.9	141.2
17.5°	398.1	375.3	323.5	271.7	226.0	187.6	167.5	156.0	149.3	146.6	145.9
20°	449.2	422.3	357.1	294.6	236.7	199.7	174.9	160.7	153.3	150.6	150.6
22.5°	511.8	476.1	393.4	314.7	250.2	209.8	182.3	164.8	158.0	155.4	154.7
25°	576.3	536.0	436.5	336.3	265.0	217.9	187.6	168.8	162.1	159.4	160.1
27.5°	652.3	600.6	478.8	357.8	277.8	222.6	190.3	172.2	165.4	163.4	164.1
30°	731.7	666.5	516.5	380.0	286.5	226.0	192.3	174.9	167.5	166.1	166.1
32.5°	815.8	741.8	555.5	399.5	291.9	226.6	192.3	176.2	168.8	168.1	168.8
35°	901.8	814.4	593.2	414.9	294.6	226.0	191.7	177.5	168.8	168.8	168.8
37.5°	997.3	885.7	624.8	425.7	295.2	223.9	191.0	176.9	168.8	168.8	169.5
40°	1095.5	961.7	659.7	434.4	294.6	222.6	190.3	176.9	168.8	168.8	169.5
42.5°	1193.1	1032.3	692.7	439.8	293.2	221.3	189.7	176.9	168.8	167.5	168.1
45°	1298.6	1114.4	724.3	443.2	291.9	220.6	189.7	176.2	168.8	166.1	166.8
47.5°	1396.8	1190.4	749.9	447.2	291.2	220.6	190.3	176.2	168.1	165.4	165.4
50°	1507.8	1269.0	776.1	448.6	289.9	220.6	190.3	176.2	167.5	163.4	164.1
52.5°	1617.4	1348.4	801.6	451.3	289.9	221.3	191.0	176.2	166.8	161.4	161.4
55°	1722.3	1419.0	824.5	453.3	289.9	222.6	193.0	176.2	166.1	159.4	159.4
57.5°	1818.5	1491.7	847.4	454.0	289.9	223.9	193.0	176.9	165.4	157.4	157.4
60°	1903.9	1554.2	863.5	454.6	289.2	225.3	194.4	176.2	164.8	155.4	155.4
62.5°	1964.4	1601.9	871.6	452.6	289.2	225.3	195.0	176.2	164.1	154.7	154.0
65°	1998.7	1618.8	866.9	446.6	287.8	225.3	194.4	175.5	162.7	153.3	152.7
67.5°	1987.3	1600.6	846.7	437.1	284.5	224.6	194.4	174.2	162.7	152.7	151.3
70°	1925.4	1546.1	808.4	423.0	279.8	221.9	191.7	172.2	161.4	152.0	150.6
72.5°	1804.4	1436.5	752.6	400.8	271.7	217.9	188.3	168.8	158.7	150.0	148.0
75°	1636.2	1306.0	684.6	378.0	261.6	212.5	184.3	165.4	155.4	147.3	145.3
77.5°	1420.4	1131.9	609.3	348.4	248.8	205.1	178.9	160.1	150.6	143.2	140.6
80°	1196.4	953.6	527.9	317.4	235.4	195.7	170.8	153.3	144.6	137.9	134.5
82.5°	968.4	783.5	451.9	287.8	219.9	184.9	162.7	145.9	137.9	130.5	127.1
85°	764.0	619.4	378.6	256.9	203.8	174.2	153.3	137.2	129.8	121.7	118.4
87.5°	594.5	491.6	316.8	228.7	186.3	162.1	143.2	128.5	119.7	112.3	109.6
90°	463.4	387.4	265.0	201.8	170.8	150.0	132.5	119.0	110.3	102.9	99.5
92.5°	353.1	306.7	221.9	178.2	155.4	137.9	122.4	109.6	100.9	92.8	89.4
95°	276.4	243.5	187.6	156.7	139.9	125.1	112.3	100.2	90.8	82.0	80.0
97.5°	214.5	195.0	158.0	137.2	126.4	113.0	101.6	90.8	81.4	72.6	70.6
100°	169.5	155.4	133.8	121.7	112.3	101.6	91.5	82.0	72.0	62.5	61.9
102.5°	133.8	127.8	113.7	106.9	99.5	91.5	82.7	72.6	62.5	53.8	53.1
105°	109.6	104.2	97.5	93.5	88.8	81.4	73.3	64.6	54.5	46.4	46.4
107.5°	88.8	86.1	82.7	82.0	78.7	72.6	65.9	57.2	47.1	40.4	40.4
110°	72.6	72.0	72.0	72.0	69.9	65.2	58.5	49.8	39.7	35.0	35.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	61.2	61.2	61.9	63.2	61.9	57.2	51.1	43.0	34.3	30.3	30.3
115°	51.8	52.5	54.5	55.1	54.5	51.1	45.1	37.0	28.9	26.2	26.9
117.5°	45.1	45.1	47.7	49.1	48.4	45.1	39.0	31.6	24.9	23.5	23.5
120°	39.0	40.4	42.4	43.0	42.4	39.0	34.3	26.9	21.5	20.8	20.8
122.5°	34.3	35.0	37.0	38.3	37.0	34.3	28.9	22.9	18.2	18.2	18.8
125°	30.3	30.9	32.3	33.6	32.3	28.9	24.9	18.8	16.1	16.1	16.1
127.5°	26.9	27.6	28.9	28.9	27.6	24.9	20.8	16.1	13.5	14.1	14.1
130°	23.5	24.2	24.9	24.9	24.2	21.5	17.5	13.5	12.1	12.8	12.8
132.5°	20.8	21.5	21.5	21.5	20.2	18.2	14.8	11.4	10.8	11.4	11.4
135°	18.2	18.2	18.8	18.2	16.8	14.8	11.4	9.4	9.4	10.1	10.1
137.5°	15.5	16.1	16.1	14.8	13.5	11.4	9.4	8.1	8.1	8.7	8.7
140°	12.8	13.5	12.8	12.1	10.8	9.4	7.4	6.1	6.7	7.4	7.4
142.5°	10.8	10.8	10.8	9.4	8.1	6.7	5.4	5.4	6.1	6.1	6.7
145°	8.1	8.1	8.1	7.4	6.1	4.7	4.0	4.0	4.7	5.4	5.4
147.5°	6.1	6.1	6.1	5.4	4.0	3.4	2.7	3.4	4.0	4.7	4.0
150°	4.0	4.0	4.0	3.4	2.7	2.0	2.0	2.7	3.4	3.4	3.4
152.5°	2.7	2.7	2.7	2.7	2.0	0.7	1.3	2.0	2.7	2.7	2.7
155°	2.0	2.0	2.0	2.0	1.3	0.0	0.7	1.3	2.0	2.0	2.0
157.5°	1.3	1.3	1.3	1.3	0.7	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.7	1.3	1.3	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)