

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: P416645

Luminaire Tested: **LXF.LXT-PA1-80-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416645
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-PA1-80-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7113 lumens
Efficiency: N/A
Efficacy: 85.7 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: B2 - U3 - G3

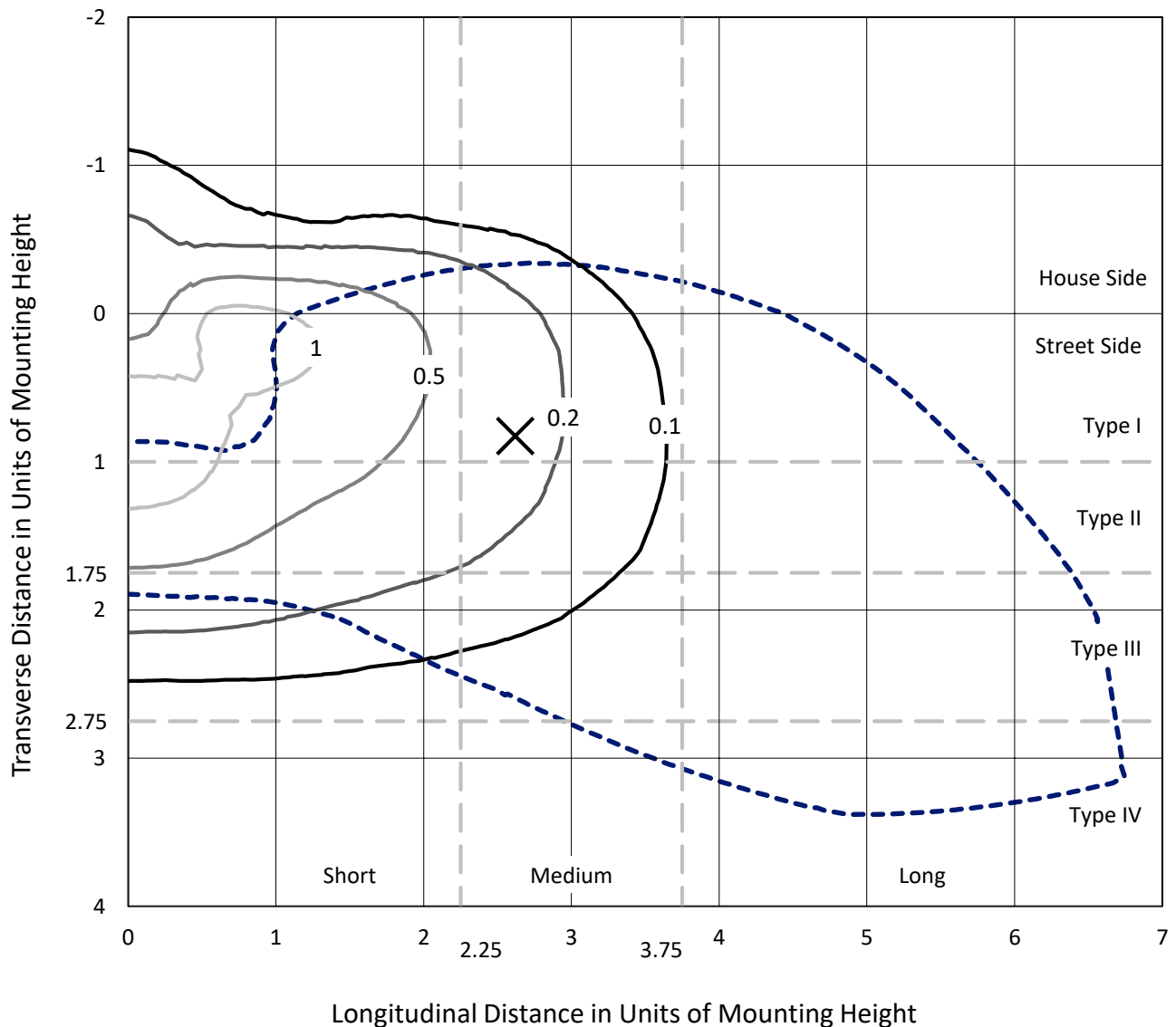
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

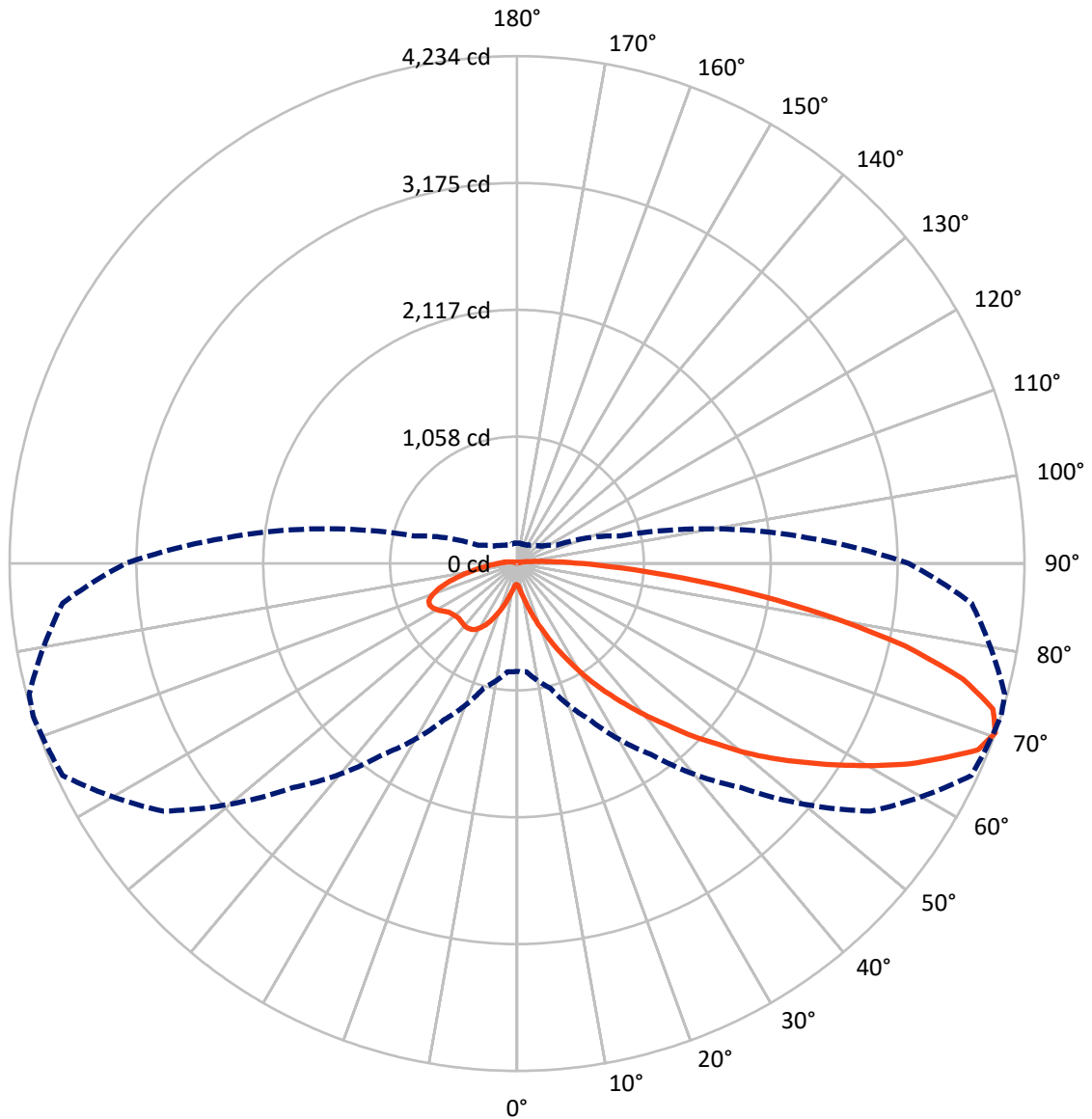
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1278.7	116.0	1394.7
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5584.4	133.9	5718.3
	% Fixture	78.5	1.9	80.4
Total	Lumens	6863.1	249.9	7113.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	96.3	1.4
20°-30°	268.7	3.8
30°-40°	557.1	7.8
40°-50°	962.2	13.5
50°-60°	1421.1	20.0
60°-70°	1677.3	23.6
70°-80°	1331.1	18.7
80°-90°	529.2	7.4
90°-100°	139.9	2.0
100°-110°	54.0	0.8
110°-120°	26.3	0.4
120°-130°	14.9	0.2
130°-140°	8.8	0.1
140°-150°	4.1	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6863.1	96.5
0°-180°	7113.0	100.0

Coefficient of Utilization



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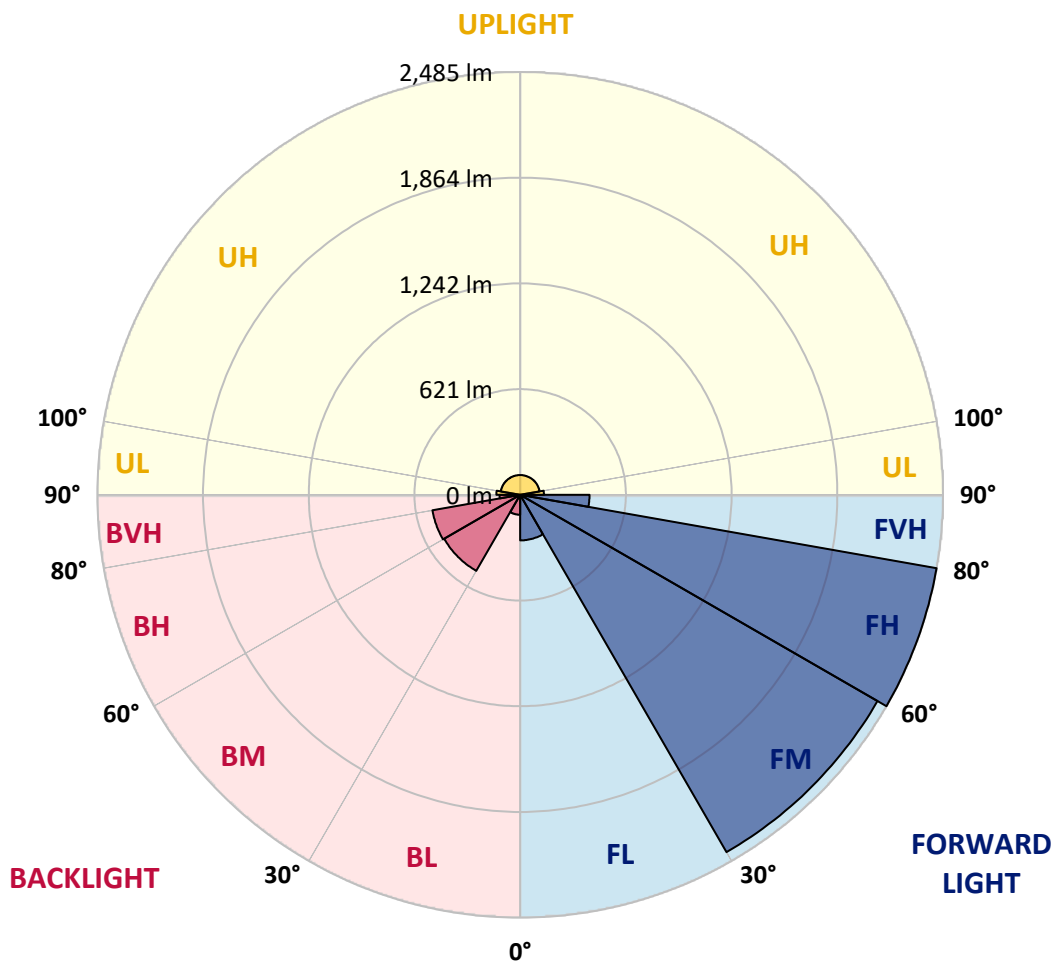
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.7	3.8			
FM (30°-60°)	2424.4	34.1			
FH (60°-80°)	2484.7	34.9			G2/5000
FVH (80°-90°)	407.5	5.7			G3/500
BL (0°-30°)	117.3	1.6	B1/500		
BM (30°-60°)	516.0	7.3	B1/1000		
BH (60°-80°)	523.7	7.4	B2/1000		G2/1000
BVH (80°-90°)	121.7	1.7			G2/225
UL (90°-100°)	139.9	2.0		U3/500	
UH (100°-180°)	116.0	1.6		U3/500	

BUG Rating: B2-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°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	199.9	200.7	199.9	199.9	198.2	197.4	192.4	189.0	186.5	184.8	182.3
5°	231.7	233.3	232.5	232.5	228.3	225.8	220.0	213.3	208.3	207.4	199.9
7.5°	274.3	273.5	270.1	269.3	267.6	263.5	255.1	245.1	240.0	238.4	227.5
10°	327.0	322.8	324.5	318.6	315.3	308.6	301.1	293.6	283.5	283.5	268.5
12.5°	379.7	388.9	386.4	378.0	371.3	360.5	351.3	348.8	337.0	338.7	324.5
15°	465.8	465.0	457.5	451.6	438.2	424.9	416.5	410.6	407.3	404.8	388.9
17.5°	557.0	552.0	546.1	528.6	509.3	497.6	490.1	484.2	488.4	487.6	468.4
20°	662.4	656.5	648.2	616.4	591.3	572.9	568.7	575.4	577.9	584.6	565.4
22.5°	779.5	777.0	756.9	720.9	678.3	654.0	649.8	665.7	685.0	688.3	674.9
25°	920.0	916.6	889.0	837.2	781.2	744.4	744.4	769.4	801.2	808.8	802.1
27.5°	1070.5	1062.2	1026.2	962.6	885.7	838.0	832.2	877.3	921.7	943.4	935.0
30°	1243.7	1242.0	1182.6	1104.8	1012.8	936.7	934.2	1000.3	1063.0	1073.0	1074.7
32.5°	1421.8	1436.0	1367.4	1251.2	1139.9	1050.5	1046.3	1120.7	1207.7	1225.3	1225.3
35°	1627.5	1628.4	1543.9	1428.5	1276.3	1174.2	1162.5	1251.2	1348.2	1372.5	1385.8
37.5°	1835.0	1829.9	1753.8	1594.9	1424.3	1301.4	1290.5	1395.0	1505.4	1544.7	1542.2
40°	2039.0	2053.2	1957.1	1781.4	1575.7	1451.1	1424.3	1547.2	1674.4	1718.7	1701.1
42.5°	2259.0	2255.6	2169.5	1973.8	1744.6	1595.8	1579.9	1707.0	1848.3	1898.5	1882.6
45°	2451.3	2449.7	2356.0	2160.3	1906.0	1763.0	1741.3	1875.9	2053.2	2100.1	2067.5
47.5°	2628.7	2624.5	2527.5	2328.4	2047.4	1922.8	1924.4	2062.4	2250.6	2327.6	2277.4
50°	2765.8	2751.6	2690.5	2475.6	2200.4	2090.9	2122.7	2284.9	2485.6	2555.1	2500.7
52.5°	2839.4	2817.7	2770.0	2578.5	2345.1	2257.3	2318.4	2510.7	2708.9	2775.0	2715.6
55°	2804.3	2804.3	2777.5	2641.2	2448.0	2409.5	2532.5	2726.5	2933.1	3005.8	2953.2
57.5°	2662.9	2684.7	2697.2	2624.5	2519.1	2560.1	2754.9	2972.4	3170.6	3250.9	3181.5
60°	2415.4	2421.2	2513.2	2534.1	2547.5	2688.0	2985.8	3245.0	3423.2	3486.7	3408.1
62.5°	2065.0	2092.5	2204.6	2359.3	2505.7	2794.2	3228.3	3519.4	3679.9	3722.6	3608.0
65°	1675.2	1668.5	1875.9	2107.6	2390.3	2825.2	3424.0	3785.3	3909.9	3966.8	3767.8
67.5°	1270.4	1266.2	1457.8	1797.3	2194.6	2792.6	3582.9	4011.1	4148.3	4150.0	3868.1
70°	900.7	907.4	1077.2	1437.7	1942.0	2643.7	3602.2	4183.4	4233.6	4213.5	3807.1
72.5°	611.4	616.4	777.8	1101.5	1607.5	2402.8	3441.6	4165.0	4153.3	4097.3	3556.2
75°	393.9	427.4	547.0	837.2	1301.4	2055.8	3129.6	3901.6	3840.5	3747.7	3120.4
77.5°	271.8	288.5	380.5	609.7	1017.0	1697.8	2687.2	3372.2	3308.6	3194.9	2515.7
80°	184.0	191.5	261.8	455.8	800.4	1334.8	2189.6	2714.8	2605.2	2488.1	1886.8
82.5°	122.9	137.2	188.2	327.0	605.5	1030.4	1665.2	2073.3	1899.4	1798.2	1325.6
85°	82.0	89.5	133.8	237.5	438.2	750.2	1198.5	1408.4	1255.4	1165.9	847.2
87.5°	55.2	61.9	95.3	169.8	324.5	545.3	802.9	909.9	787.0	731.0	512.7
90°	36.8	41.0	70.3	122.1	229.2	380.5	542.0	562.0	482.6	448.3	313.6
92.5°	25.9	30.1	52.7	90.3	160.6	264.3	347.9	340.4	284.4	267.6	202.4
95°	20.1	23.4	41.0	69.4	117.1	181.5	226.7	207.4	179.8	174.0	139.7
97.5°	17.6	19.2	34.3	56.0	88.7	128.8	147.2	140.5	121.3	117.9	102.0
100°	15.9	17.6	30.1	48.5	71.1	94.5	105.4	97.9	87.8	85.3	75.3
102.5°	15.1	15.9	26.8	41.8	58.5	74.4	81.1	72.8	65.2	64.4	57.7
105°	14.2	15.1	23.4	36.0	49.3	61.1	63.6	56.9	51.0	48.5	43.5
107.5°	13.4	13.4	20.9	31.8	42.7	51.0	52.7	46.0	39.3	37.6	34.3
110°	12.5	13.4	19.2	28.4	37.6	44.3	44.3	37.6	30.9	29.3	27.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.5	12.5	17.6	25.1	33.5	38.5	37.6	30.9	25.1	22.6	22.6
115°	11.7	12.5	16.7	23.4	30.1	33.5	31.8	25.9	20.1	18.4	19.2
117.5°	11.7	12.5	15.1	20.9	26.8	29.3	27.6	21.7	16.7	15.9	17.6
120°	11.7	12.5	15.1	19.2	23.4	25.9	24.3	18.4	15.1	14.2	15.9
122.5°	12.5	12.5	14.2	17.6	21.7	23.4	20.9	15.9	13.4	12.5	14.2
125°	12.5	12.5	14.2	16.7	20.1	20.9	18.4	14.2	11.7	11.7	13.4
127.5°	12.5	12.5	14.2	15.9	18.4	18.4	16.7	12.5	10.9	10.9	12.5
130°	12.5	12.5	13.4	15.1	16.7	16.7	14.2	10.9	10.0	10.0	11.7
132.5°	13.4	13.4	13.4	14.2	15.1	15.1	12.5	10.0	9.2	9.2	11.7
135°	12.5	12.5	12.5	13.4	13.4	13.4	10.9	9.2	8.4	9.2	10.9
137.5°	11.7	11.7	12.5	12.5	12.5	11.7	9.2	7.5	7.5	8.4	10.0
140°	11.7	10.9	11.7	11.7	10.9	10.0	8.4	6.7	6.7	7.5	8.4
142.5°	10.0	10.0	10.0	10.0	9.2	8.4	6.7	5.9	6.7	6.7	7.5
145°	9.2	9.2	9.2	8.4	8.4	6.7	5.0	5.0	5.0	5.9	6.7
147.5°	7.5	7.5	7.5	7.5	6.7	5.9	3.3	4.2	4.2	4.2	5.0
150°	5.9	5.9	6.7	5.9	5.0	4.2	2.5	3.3	4.2	4.2	4.2
152.5°	5.0	5.0	5.0	5.0	4.2	2.5	2.5	3.3	3.3	3.3	4.2
155°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	1.7	1.7	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
160°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
162.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
165°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
167.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
170°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
172.5°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
175°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
177.5°	0.0	0.8	1.7	1.7	2.5	1.7	1.7	1.7	1.7	1.7	2.5
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	180.7	179.0	175.6	172.3	169.8	167.3	165.6	163.1	161.4	161.4	161.4
5°	194.9	193.2	184.8	176.5	168.9	162.3	157.2	151.4	148.9	146.4	147.2
7.5°	223.3	217.5	204.1	189.9	177.3	163.9	153.9	145.5	140.5	137.2	137.2
10°	261.8	252.6	232.5	210.8	189.9	170.6	155.6	143.9	135.5	132.1	132.1
12.5°	311.1	301.9	271.0	238.4	206.6	179.0	159.7	144.7	135.5	131.3	131.3
15°	377.2	361.3	319.5	272.7	226.7	189.0	163.9	151.4	145.5	143.0	143.0
17.5°	455.8	432.4	378.0	307.8	246.7	199.1	174.8	163.1	158.1	157.2	157.2
20°	547.8	518.5	436.6	342.9	262.6	211.6	184.0	174.0	172.3	173.1	173.1
22.5°	652.4	609.7	496.8	374.7	277.7	219.1	190.7	182.3	184.0	188.2	187.3
25°	762.8	717.6	562.9	403.1	287.7	222.5	194.9	189.9	196.5	201.6	201.6
27.5°	891.6	821.3	623.1	423.2	290.2	220.0	195.7	193.2	202.4	209.9	211.6
30°	1022.9	932.5	674.9	435.7	285.2	214.1	192.4	194.0	204.9	214.9	215.8
32.5°	1155.8	1037.9	717.6	438.2	276.8	206.6	189.0	192.4	204.1	214.9	216.6
35°	1288.0	1136.6	746.0	429.0	263.5	199.1	183.2	189.0	200.7	213.3	214.9
37.5°	1417.6	1230.3	763.6	414.0	250.1	192.4	179.0	184.8	196.5	210.8	212.4
40°	1559.0	1330.6	773.6	396.4	236.7	186.5	176.5	182.3	194.0	207.4	209.9
42.5°	1688.6	1422.6	774.5	374.7	226.7	184.0	174.8	179.8	190.7	204.9	207.4
45°	1857.5	1517.1	774.5	356.3	220.0	183.2	174.8	179.0	189.0	204.1	207.4
47.5°	2017.3	1625.9	776.1	340.4	216.6	184.8	176.5	178.1	186.5	204.1	207.4
50°	2202.9	1730.4	789.5	328.7	215.8	188.2	179.0	177.3	184.0	202.4	206.6
52.5°	2387.8	1868.4	806.2	320.3	217.5	191.5	180.7	177.3	181.5	198.2	203.2
55°	2590.2	1999.7	824.6	321.2	220.8	194.9	183.2	176.5	178.1	191.5	196.5
57.5°	2792.6	2153.6	864.8	326.2	225.0	199.1	185.7	176.5	174.0	184.0	188.2
60°	2969.9	2289.1	906.6	337.0	230.8	203.2	187.3	175.6	170.6	176.5	179.8
62.5°	3157.2	2437.1	940.1	346.2	237.5	206.6	187.3	174.8	168.1	172.3	174.0
65°	3279.3	2524.9	957.6	358.0	244.2	209.1	188.2	173.1	167.3	169.8	171.5
67.5°	3342.1	2539.2	945.9	362.1	250.1	210.8	187.3	171.5	168.1	169.8	171.5
70°	3267.6	2444.7	889.9	359.6	251.7	210.8	185.7	169.8	168.1	170.6	171.5
72.5°	2998.3	2217.2	807.1	347.1	249.2	207.4	183.2	167.3	167.3	171.5	171.5
75°	2581.8	1890.2	698.4	327.8	242.5	202.4	178.1	163.1	164.8	170.6	170.6
77.5°	2067.5	1495.4	575.4	300.2	230.0	194.0	171.5	157.2	161.4	168.1	167.3
80°	1538.9	1114.0	463.3	269.3	213.3	182.3	162.3	150.5	156.4	162.3	160.6
82.5°	1025.4	782.0	366.3	236.7	195.7	170.6	152.2	141.3	148.9	154.7	152.2
85°	665.7	521.0	283.5	204.1	177.3	157.2	139.7	131.3	138.8	143.9	141.3
87.5°	414.8	349.6	215.8	174.0	158.1	142.2	128.8	119.6	127.1	132.1	128.8
90°	274.3	234.2	169.8	150.5	140.5	128.0	115.4	108.7	116.3	117.9	115.4
92.5°	180.7	165.6	138.0	128.8	123.8	113.7	104.5	98.7	104.5	105.4	103.7
95°	129.6	125.5	113.7	112.1	109.6	101.2	93.7	88.7	92.0	92.8	89.5
97.5°	98.7	97.9	97.0	97.0	95.3	89.5	82.8	78.6	80.3	79.5	76.9
100°	76.9	78.6	81.1	82.8	82.0	77.8	72.8	69.4	70.3	66.9	64.4
102.5°	60.2	63.6	67.7	70.3	70.3	66.9	64.4	61.1	58.5	54.4	53.5
105°	47.7	50.2	56.0	60.2	60.2	58.5	56.0	51.9	49.3	44.3	44.3
107.5°	37.6	41.0	47.7	51.0	51.9	50.2	48.5	45.2	41.0	36.0	36.0
110°	30.1	32.6	40.1	43.5	44.3	43.5	41.8	37.6	33.5	30.1	30.1



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.1	27.6	33.5	36.8	38.5	37.6	36.0	31.8	27.6	25.1	25.1
115°	21.7	24.3	28.4	31.8	32.6	32.6	30.1	27.6	22.6	21.7	21.7
117.5°	19.2	20.9	25.1	27.6	29.3	28.4	25.9	23.4	20.1	19.2	19.2
120°	17.6	19.2	22.6	25.1	25.1	24.3	22.6	20.1	17.6	16.7	17.6
122.5°	15.9	17.6	20.1	21.7	21.7	21.7	20.1	17.6	15.1	15.1	15.9
125°	15.1	15.9	18.4	19.2	20.1	19.2	17.6	15.1	13.4	14.2	14.2
127.5°	14.2	15.1	16.7	17.6	17.6	16.7	15.1	13.4	11.7	12.5	13.4
130°	13.4	14.2	15.1	15.9	15.9	15.1	13.4	11.7	10.9	11.7	11.7
132.5°	11.7	12.5	13.4	14.2	13.4	13.4	11.7	10.0	10.0	10.9	10.9
135°	10.9	11.7	11.7	12.5	11.7	11.7	10.0	9.2	9.2	10.0	10.0
137.5°	10.0	10.9	10.9	10.9	10.0	10.0	9.2	8.4	8.4	8.4	9.2
140°	9.2	9.2	9.2	9.2	8.4	8.4	7.5	6.7	7.5	7.5	7.5
142.5°	8.4	8.4	8.4	7.5	7.5	6.7	5.9	5.9	6.7	6.7	6.7
145°	6.7	6.7	6.7	5.9	5.9	5.0	5.0	5.0	5.9	5.9	5.9
147.5°	5.9	5.9	5.9	5.0	4.2	4.2	4.2	4.2	5.0	5.0	5.0
150°	5.0	5.0	5.0	4.2	3.3	3.3	2.5	3.3	4.2	4.2	4.2
152.5°	4.2	4.2	4.2	4.2	3.3	1.7	2.5	3.3	3.3	3.3	3.3
155°	3.3	3.3	4.2	3.3	2.5	0.8	1.7	2.5	2.5	2.5	2.5
157.5°	3.3	3.3	3.3	2.5	1.7	0.8	1.7	1.7	2.5	1.7	2.5
160°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
162.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	0.8	0.8	0.8
165°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)