

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: P416229

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416229
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-PA1-70-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6507 lumens
Efficiency: N/A
Efficacy: 87.9 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

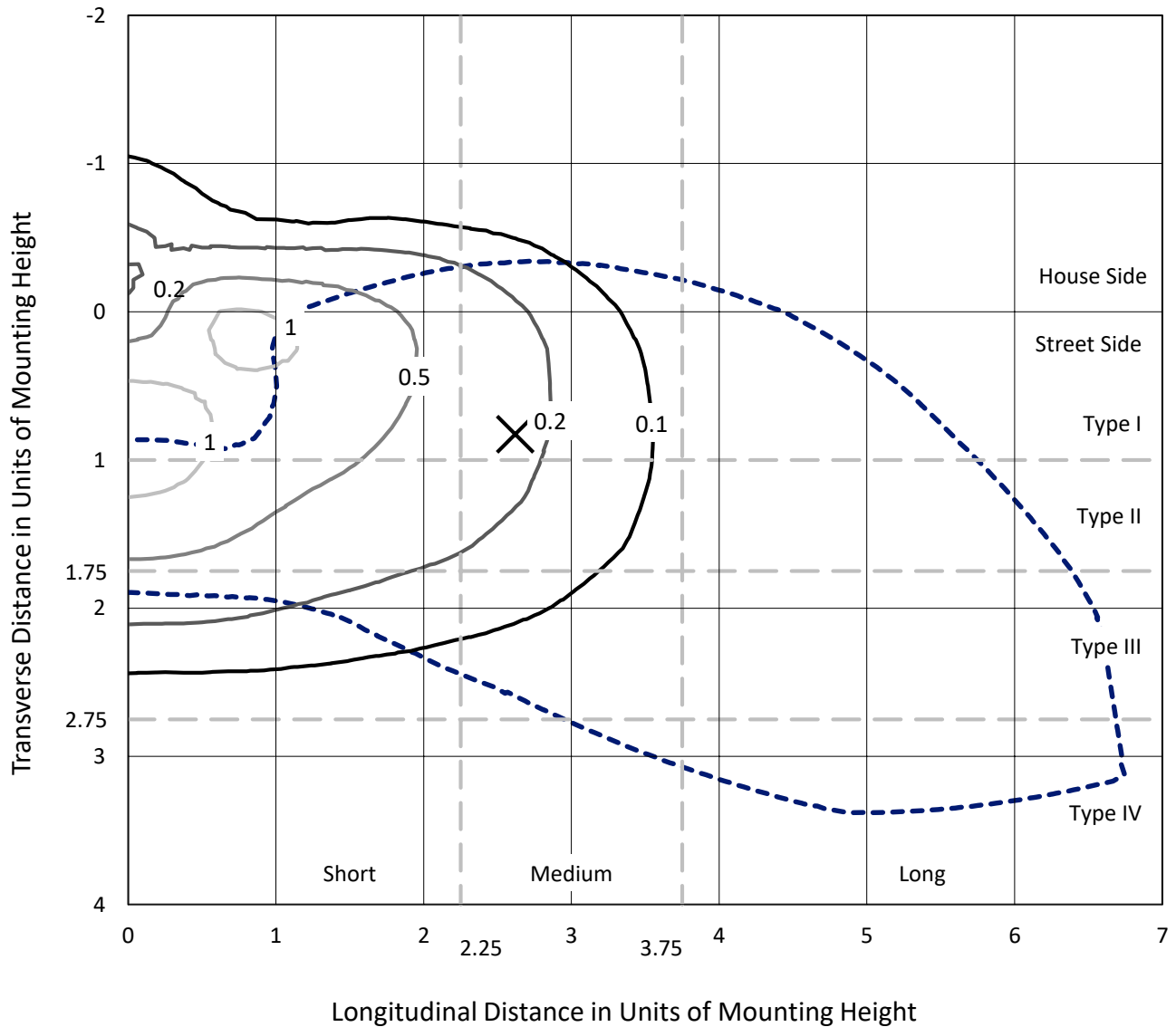
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

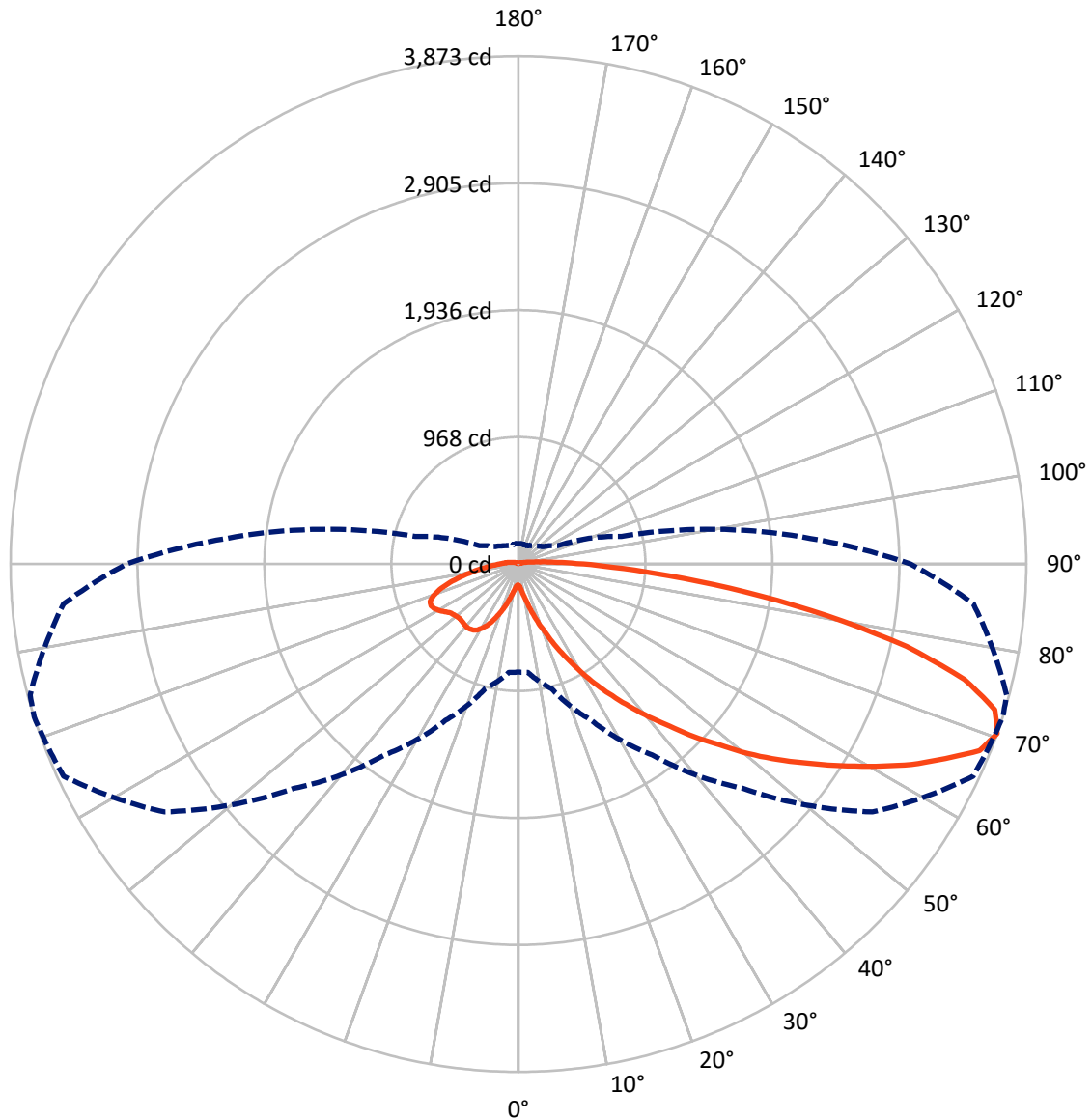
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1169.8	106.1	1275.9
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5108.6	122.5	5231.1
	% Fixture	78.5	1.9	80.4
Total	Lumens	6278.4	228.7	6507.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	88.1	1.4
20°-30°	245.8	3.8
30°-40°	509.6	7.8
40°-50°	880.3	13.5
50°-60°	1300.0	20.0
60°-70°	1534.4	23.6
70°-80°	1217.7	18.7
80°-90°	484.1	7.4
90°-100°	128.0	2.0
100°-110°	49.4	0.8
110°-120°	24.1	0.4
120°-130°	13.6	0.2
130°-140°	8.0	0.1
140°-150°	3.8	0.1
150°-160°	1.3	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6278.4	96.5
0°-180°	6507.0	100.0

Coefficient of Utilization



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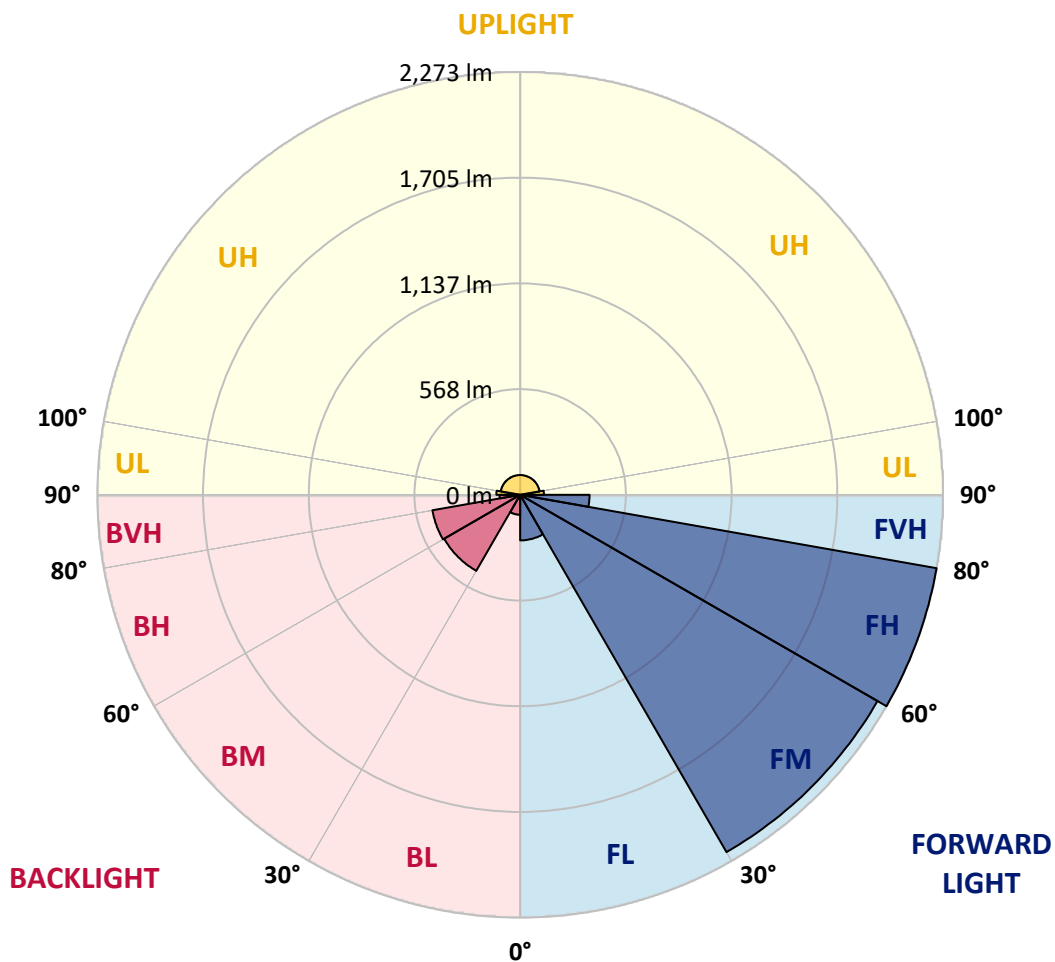
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.9	3.8			
FM	(30°-60°)	2217.9	34.1			
FH	(60°-80°)	2273.0	34.9			G2/5000
FVH	(80°-90°)	372.8	5.7			G3/500
BL	(0°-30°)	107.3	1.6	B0/110		
BM	(30°-60°)	472.0	7.3	B1/1000		
BH	(60°-80°)	479.1	7.4	B1/500		G1/500
BVH	(80°-90°)	111.3	1.7			G2/225
UL	(90°-100°)	128.0	2.0		U3/500	
UH	(100°-180°)	106.1	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°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	182.9	183.6	182.9	182.9	181.3	180.6	176.0	172.9	170.6	169.1	166.8
5°	211.9	213.5	212.7	212.7	208.9	206.6	201.2	195.1	190.5	189.7	182.9
7.5°	251.0	250.2	247.1	246.4	244.8	241.0	233.4	224.2	219.6	218.1	208.1
10°	299.2	295.3	296.9	291.5	288.4	282.3	275.4	268.5	259.4	259.4	245.6
12.5°	347.4	355.8	353.5	345.8	339.7	329.8	321.3	319.0	308.3	309.9	296.9
15°	426.2	425.4	418.5	413.2	400.9	388.7	381.0	375.7	372.6	370.3	355.8
17.5°	509.6	505.0	499.6	483.5	465.9	455.2	448.3	443.0	446.8	446.1	428.5
20°	606.0	600.6	593.0	563.9	540.9	524.1	520.3	526.4	528.7	534.8	517.2
22.5°	713.1	710.8	692.4	659.5	620.5	598.3	594.5	609.0	626.6	629.7	617.4
25°	841.6	838.5	813.3	765.9	714.6	680.9	680.9	703.9	733.0	739.8	733.7
27.5°	979.3	971.7	938.8	880.6	810.2	766.6	761.3	802.6	843.1	863.0	855.4
30°	1137.7	1136.2	1081.8	1010.7	926.5	856.9	854.6	915.1	972.4	981.6	983.1
32.5°	1300.7	1313.7	1250.9	1144.6	1042.8	961.0	957.1	1025.2	1104.8	1120.9	1120.9
35°	1488.9	1489.6	1412.4	1306.8	1167.5	1074.2	1063.5	1144.6	1233.3	1255.5	1267.8
37.5°	1678.6	1674.0	1604.4	1459.0	1303.0	1190.5	1180.5	1276.2	1377.2	1413.1	1410.8
40°	1865.3	1878.3	1790.3	1629.7	1441.4	1327.4	1303.0	1415.4	1531.7	1572.3	1556.2
42.5°	2066.5	2063.5	1984.7	1805.6	1596.0	1459.8	1445.3	1561.6	1690.9	1736.8	1722.2
45°	2242.5	2241.0	2155.3	1976.2	1743.7	1612.8	1592.9	1716.1	1878.3	1921.2	1891.3
47.5°	2404.7	2400.9	2312.1	2130.0	1873.0	1759.0	1760.5	1886.7	2058.9	2129.3	2083.4
50°	2530.2	2517.2	2461.3	2264.7	2013.0	1912.7	1941.8	2090.2	2273.9	2337.4	2287.6
52.5°	2597.5	2577.6	2534.0	2358.8	2145.3	2065.0	2120.8	2296.8	2478.1	2538.6	2484.3
55°	2565.4	2565.4	2540.9	2416.2	2239.4	2204.2	2316.7	2494.2	2683.2	2749.8	2701.6
57.5°	2436.1	2456.0	2467.4	2400.9	2304.5	2342.0	2520.2	2719.2	2900.5	2973.9	2910.4
60°	2209.6	2215.0	2299.1	2318.2	2330.5	2459.0	2731.4	2968.6	3131.5	3189.7	3117.8
62.5°	1889.0	1914.3	2016.8	2158.3	2292.2	2556.2	2953.3	3219.5	3366.4	3405.4	3300.6
65°	1532.5	1526.4	1716.1	1928.0	2186.6	2584.5	3132.3	3462.8	3576.8	3628.9	3446.8
67.5°	1162.2	1158.4	1333.6	1644.2	2007.6	2554.7	3277.7	3669.4	3794.9	3796.4	3538.6
70°	824.0	830.1	985.4	1315.2	1776.6	2418.5	3295.3	3827.0	3872.9	3854.6	3482.7
72.5°	559.3	563.9	711.5	1007.6	1470.5	2198.1	3148.4	3810.2	3799.5	3748.2	3253.2
75°	360.4	391.0	500.4	765.9	1190.5	1880.6	2863.0	3569.2	3513.3	3428.4	2854.6
77.5°	248.7	264.0	348.1	557.8	930.4	1553.1	2458.3	3084.9	3026.7	2922.7	2301.4
80°	168.3	175.2	239.5	417.0	732.2	1221.1	2003.0	2483.5	2383.3	2276.2	1726.1
82.5°	112.5	125.5	172.1	299.2	553.9	942.6	1523.3	1896.7	1737.5	1645.0	1212.7
85°	75.0	81.9	122.4	217.3	400.9	686.3	1096.4	1288.4	1148.4	1066.5	775.0
87.5°	50.5	56.6	87.2	155.3	296.9	498.8	734.5	832.4	720.0	668.7	469.0
90°	33.7	37.5	64.3	111.7	209.6	348.1	495.8	514.1	441.5	410.1	286.9
92.5°	23.7	27.5	48.2	82.6	146.9	241.8	318.3	311.4	260.1	244.8	185.2
95°	18.4	21.4	37.5	63.5	107.1	166.0	207.3	189.7	164.5	159.1	127.8
97.5°	16.1	17.6	31.4	51.3	81.1	117.8	134.7	128.5	110.9	107.9	93.3
100°	14.5	16.1	27.5	44.4	65.0	86.5	96.4	89.5	80.3	78.0	68.9
102.5°	13.8	14.5	24.5	38.3	53.6	68.1	74.2	66.6	59.7	58.9	52.8
105°	13.0	13.8	21.4	32.9	45.1	55.9	58.1	52.0	46.7	44.4	39.8
107.5°	12.2	12.2	19.1	29.1	39.0	46.7	48.2	42.1	36.0	34.4	31.4
110°	11.5	12.2	17.6	26.0	34.4	40.6	40.6	34.4	28.3	26.8	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.5	11.5	16.1	23.0	30.6	35.2	34.4	28.3	23.0	20.7	20.7
115°	10.7	11.5	15.3	21.4	27.5	30.6	29.1	23.7	18.4	16.8	17.6
117.5°	10.7	11.5	13.8	19.1	24.5	26.8	25.2	19.9	15.3	14.5	16.1
120°	10.7	11.5	13.8	17.6	21.4	23.7	22.2	16.8	13.8	13.0	14.5
122.5°	11.5	11.5	13.0	16.1	19.9	21.4	19.1	14.5	12.2	11.5	13.0
125°	11.5	11.5	13.0	15.3	18.4	19.1	16.8	13.0	10.7	10.7	12.2
127.5°	11.5	11.5	13.0	14.5	16.8	16.8	15.3	11.5	9.9	9.9	11.5
130°	11.5	11.5	12.2	13.8	15.3	15.3	13.0	9.9	9.2	9.2	10.7
132.5°	12.2	12.2	12.2	13.0	13.8	13.8	11.5	9.2	8.4	8.4	10.7
135°	11.5	11.5	11.5	12.2	12.2	12.2	9.9	8.4	7.7	8.4	9.9
137.5°	10.7	10.7	11.5	11.5	11.5	10.7	8.4	6.9	6.9	7.7	9.2
140°	10.7	9.9	10.7	10.7	9.9	9.2	7.7	6.1	6.1	6.9	7.7
142.5°	9.2	9.2	9.2	9.2	8.4	7.7	6.1	5.4	6.1	6.1	6.9
145°	8.4	8.4	8.4	7.7	7.7	6.1	4.6	4.6	4.6	5.4	6.1
147.5°	6.9	6.9	6.9	6.9	6.1	5.4	3.1	3.8	3.8	3.8	4.6
150°	5.4	5.4	6.1	5.4	4.6	3.8	2.3	3.1	3.8	3.8	3.8
152.5°	4.6	4.6	4.6	4.6	3.8	2.3	2.3	3.1	3.1	3.1	3.8
155°	3.1	3.1	3.1	3.1	2.3	1.5	2.3	2.3	3.1	3.1	3.1
157.5°	1.5	1.5	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
160°	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
162.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
165°	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
170°	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
172.5°	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
175°	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
177.5°	0.0	0.8	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	2.3
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	165.3	163.7	160.7	157.6	155.3	153.0	151.5	149.2	147.7	147.7	147.7
5°	178.3	176.7	169.1	161.4	154.5	148.4	143.8	138.5	136.2	133.9	134.7
7.5°	204.3	198.9	186.7	173.7	162.2	150.0	140.8	133.1	128.5	125.5	125.5
10°	239.5	231.1	212.7	192.8	173.7	156.1	142.3	131.6	123.9	120.9	120.9
12.5°	284.6	276.2	247.9	218.1	189.0	163.7	146.1	132.4	123.9	120.1	120.1
15°	345.1	330.5	292.3	249.4	207.3	172.9	150.0	138.5	133.1	130.8	130.8
17.5°	417.0	395.6	345.8	281.6	225.7	182.1	159.9	149.2	144.6	143.8	143.8
20°	501.1	474.4	399.4	313.7	240.2	193.6	168.3	159.1	157.6	158.4	158.4
22.5°	596.8	557.8	454.5	342.8	254.0	200.5	174.4	166.8	168.3	172.1	171.4
25°	697.8	656.5	514.9	368.8	263.2	203.5	178.3	173.7	179.8	184.4	184.4
27.5°	815.6	751.3	570.0	387.1	265.5	201.2	179.0	176.7	185.2	192.0	193.6
30°	935.7	853.1	617.4	398.6	260.9	195.9	176.0	177.5	187.4	196.6	197.4
32.5°	1057.4	949.5	656.5	400.9	253.2	189.0	172.9	176.0	186.7	196.6	198.2
35°	1178.2	1039.8	682.5	392.5	241.0	182.1	167.6	172.9	183.6	195.1	196.6
37.5°	1296.8	1125.5	698.5	378.7	228.8	176.0	163.7	169.1	179.8	192.8	194.3
40°	1426.1	1217.3	707.7	362.7	216.5	170.6	161.4	166.8	177.5	189.7	192.0
42.5°	1544.7	1301.4	708.5	342.8	207.3	168.3	159.9	164.5	174.4	187.4	189.7
45°	1699.3	1387.9	708.5	325.9	201.2	167.6	159.9	163.7	172.9	186.7	189.7
47.5°	1845.4	1487.3	710.0	311.4	198.2	169.1	161.4	163.0	170.6	186.7	189.7
50°	2015.3	1583.0	722.3	300.7	197.4	172.1	163.7	162.2	168.3	185.2	189.0
52.5°	2184.4	1709.2	737.6	293.0	198.9	175.2	165.3	162.2	166.0	181.3	185.9
55°	2369.5	1829.3	754.4	293.8	202.0	178.3	167.6	161.4	163.0	175.2	179.8
57.5°	2554.7	1970.1	791.1	298.4	205.8	182.1	169.9	161.4	159.1	168.3	172.1
60°	2716.9	2094.1	829.4	308.3	211.2	185.9	171.4	160.7	156.1	161.4	164.5
62.5°	2888.2	2229.5	860.0	316.8	217.3	189.0	171.4	159.9	153.8	157.6	159.1
65°	2999.9	2309.8	876.0	327.5	223.4	191.3	172.1	158.4	153.0	155.3	156.8
67.5°	3057.3	2322.8	865.3	331.3	228.8	192.8	171.4	156.8	153.8	155.3	156.8
70°	2989.2	2236.4	814.1	329.0	230.3	192.8	169.9	155.3	153.8	156.1	156.8
72.5°	2742.9	2028.3	738.3	317.5	228.0	189.7	167.6	153.0	153.0	156.8	156.8
75°	2361.9	1729.1	638.9	299.9	221.9	185.2	163.0	149.2	150.7	156.1	156.1
77.5°	1891.3	1368.0	526.4	274.7	210.4	177.5	156.8	143.8	147.7	153.8	153.0
80°	1407.8	1019.1	423.9	246.4	195.1	166.8	148.4	137.7	143.1	148.4	146.9
82.5°	938.0	715.4	335.1	216.5	179.0	156.1	139.2	129.3	136.2	141.5	139.2
85°	609.0	476.7	259.4	186.7	162.2	143.8	127.8	120.1	127.0	131.6	129.3
87.5°	379.5	319.8	197.4	159.1	144.6	130.1	117.8	109.4	116.3	120.9	117.8
90°	251.0	214.2	155.3	137.7	128.5	117.1	105.6	99.5	106.3	107.9	105.6
92.5°	165.3	151.5	126.2	117.8	113.2	104.1	95.6	90.3	95.6	96.4	94.9
95°	118.6	114.8	104.1	102.5	100.2	92.6	85.7	81.1	84.2	84.9	81.9
97.5°	90.3	89.5	88.8	88.8	87.2	81.9	75.7	71.9	73.4	72.7	70.4
100°	70.4	71.9	74.2	75.7	75.0	71.2	66.6	63.5	64.3	61.2	58.9
102.5°	55.1	58.1	62.0	64.3	64.3	61.2	58.9	55.9	53.6	49.7	49.0
105°	43.6	45.9	51.3	55.1	55.1	53.6	51.3	47.4	45.1	40.6	40.6
107.5°	34.4	37.5	43.6	46.7	47.4	45.9	44.4	41.3	37.5	32.9	32.9
110°	27.5	29.8	36.7	39.8	40.6	39.8	38.3	34.4	30.6	27.5	27.5



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	25.2	30.6	33.7	35.2	34.4	32.9	29.1	25.2	23.0	23.0
115°	19.9	22.2	26.0	29.1	29.8	29.8	27.5	25.2	20.7	19.9	19.9
117.5°	17.6	19.1	23.0	25.2	26.8	26.0	23.7	21.4	18.4	17.6	17.6
120°	16.1	17.6	20.7	23.0	23.0	22.2	20.7	18.4	16.1	15.3	16.1
122.5°	14.5	16.1	18.4	19.9	19.9	19.9	18.4	16.1	13.8	13.8	14.5
125°	13.8	14.5	16.8	17.6	18.4	17.6	16.1	13.8	12.2	13.0	13.0
127.5°	13.0	13.8	15.3	16.1	16.1	15.3	13.8	12.2	10.7	11.5	12.2
130°	12.2	13.0	13.8	14.5	14.5	13.8	12.2	10.7	9.9	10.7	10.7
132.5°	10.7	11.5	12.2	13.0	12.2	12.2	10.7	9.2	9.2	9.9	9.9
135°	9.9	10.7	10.7	11.5	10.7	10.7	9.2	8.4	8.4	9.2	9.2
137.5°	9.2	9.9	9.9	9.9	9.2	9.2	8.4	7.7	7.7	7.7	8.4
140°	8.4	8.4	8.4	8.4	7.7	7.7	6.9	6.1	6.9	6.9	6.9
142.5°	7.7	7.7	7.7	6.9	6.9	6.1	5.4	5.4	6.1	6.1	6.1
145°	6.1	6.1	6.1	5.4	5.4	4.6	4.6	4.6	5.4	5.4	5.4
147.5°	5.4	5.4	5.4	4.6	3.8	3.8	3.8	3.8	4.6	4.6	4.6
150°	4.6	4.6	4.6	3.8	3.1	3.1	2.3	3.1	3.8	3.8	3.8
152.5°	3.8	3.8	3.8	3.8	3.1	1.5	2.3	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.8	3.1	2.3	0.8	1.5	2.3	2.3	2.3	2.3
157.5°	3.1	3.1	3.1	2.3	1.5	0.8	1.5	1.5	2.3	1.5	2.3
160°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	1.5	1.5
162.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	0.8	0.8	0.8
165°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)