

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: P415419

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5327 lumens
Efficiency: N/A
Efficacy: 98.6 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 - G2

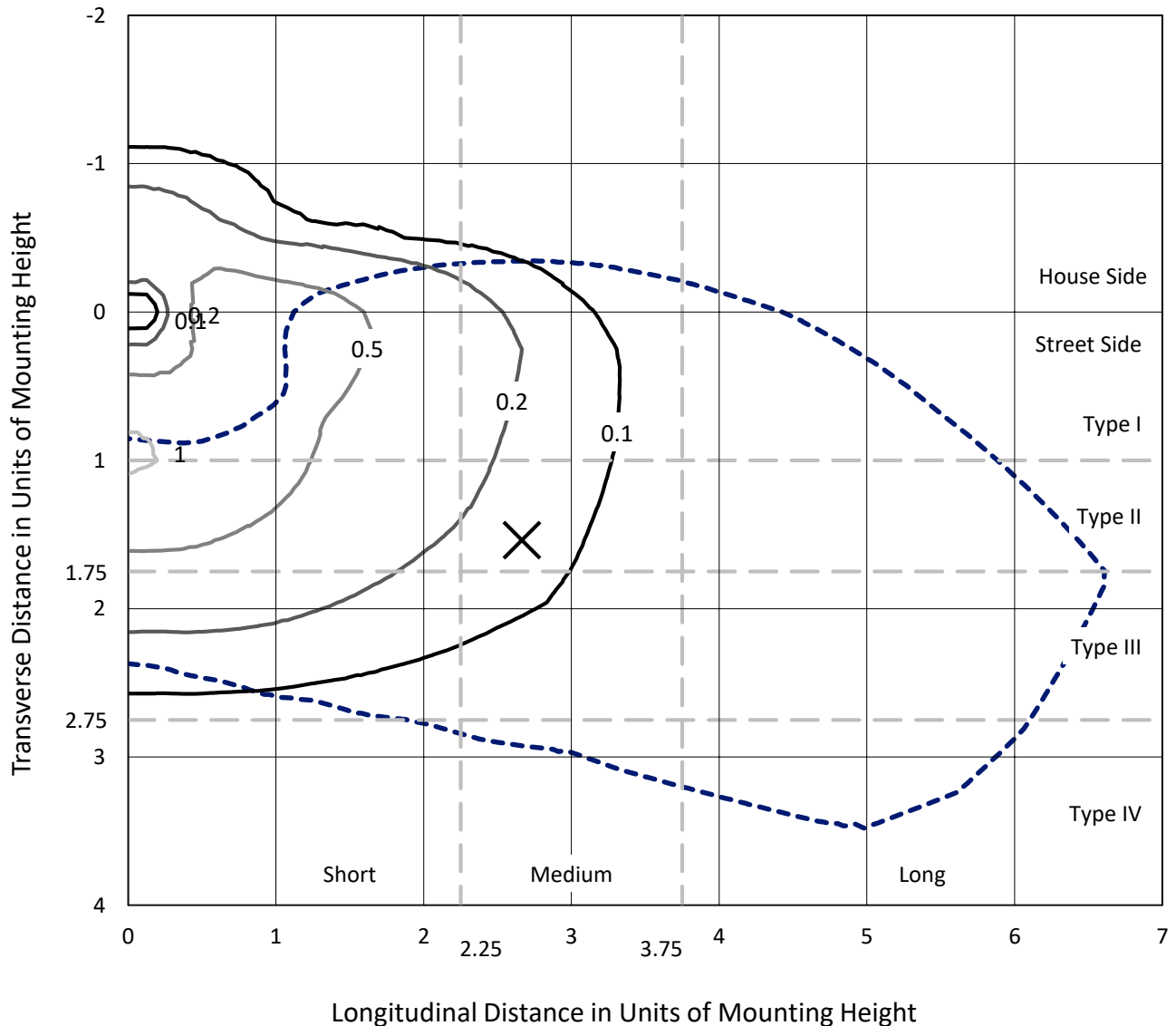
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

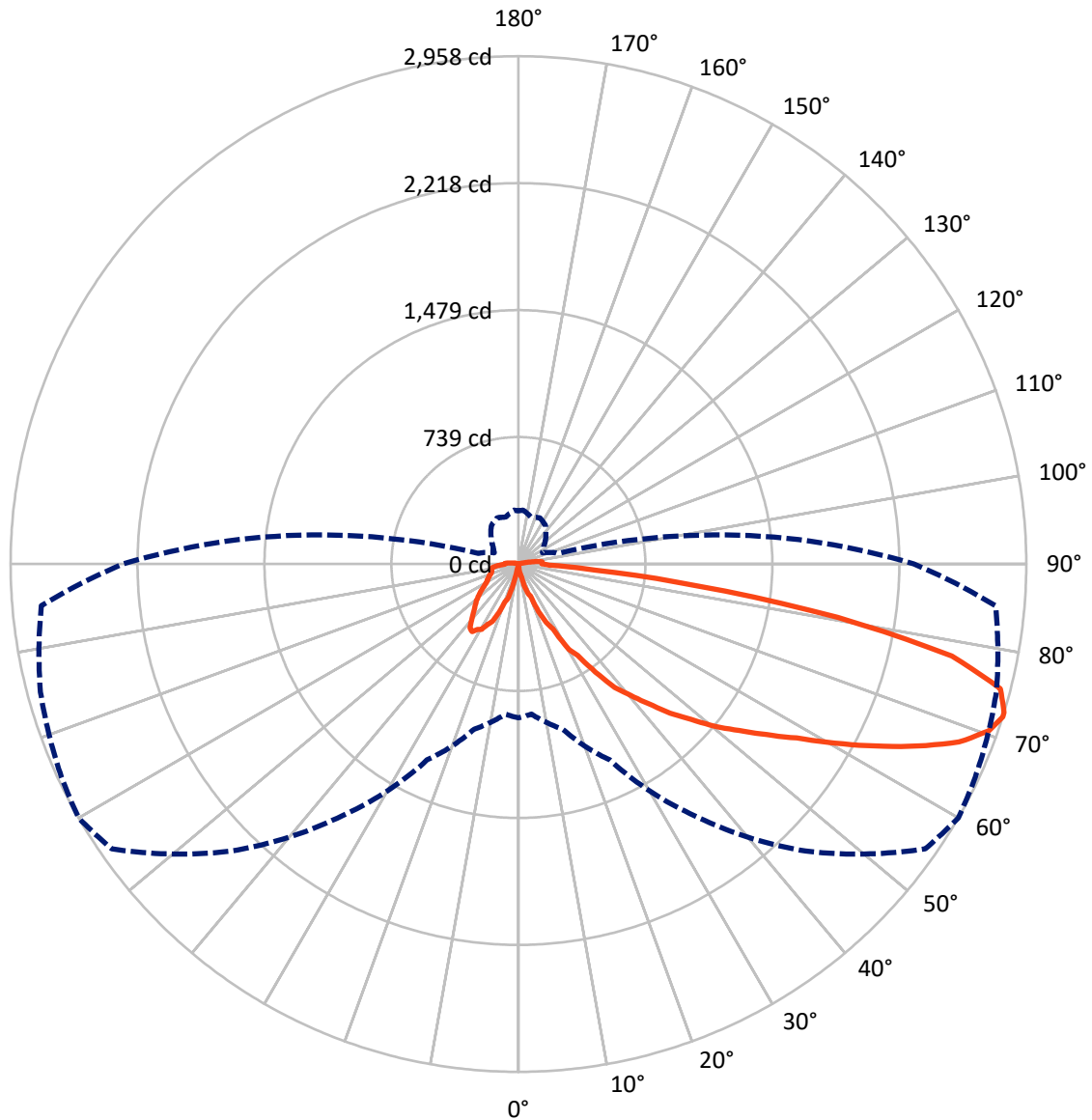
× Max cd
 - - - 1/2 Max cd



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 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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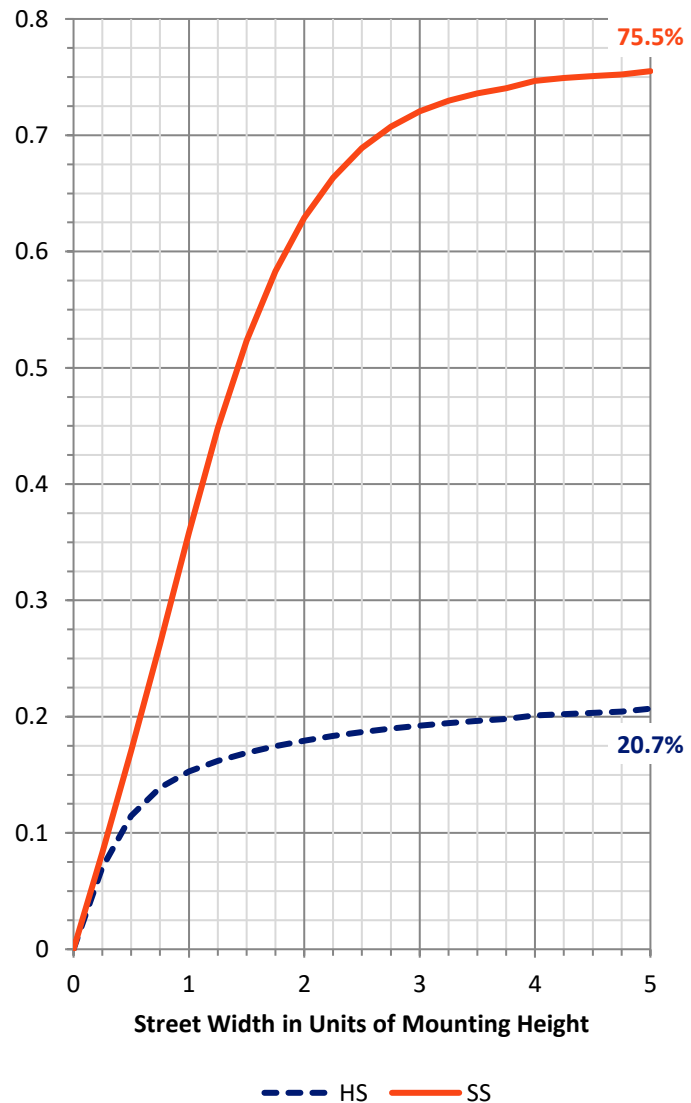
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1164.2	56.8	1221.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	4056.1	49.9	4106.0
	% Fixture	76.1	0.9	77.1
Total	Lumens	5220.3	106.7	5327.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	43.6	0.8
20°-30°	181.6	3.4
30°-40°	419.6	7.9
40°-50°	736.7	13.8
50°-60°	1113.5	20.9
60°-70°	1372.9	25.8
70°-80°	1060.0	19.9
80°-90°	289.6	5.4
90°-100°	78.6	1.5
100°-110°	13.6	0.3
110°-120°	5.3	0.1
120°-130°	3.8	0.1
130°-140°	2.5	0.0
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5220.3	98.0
0°-180°	5327.0	100.0



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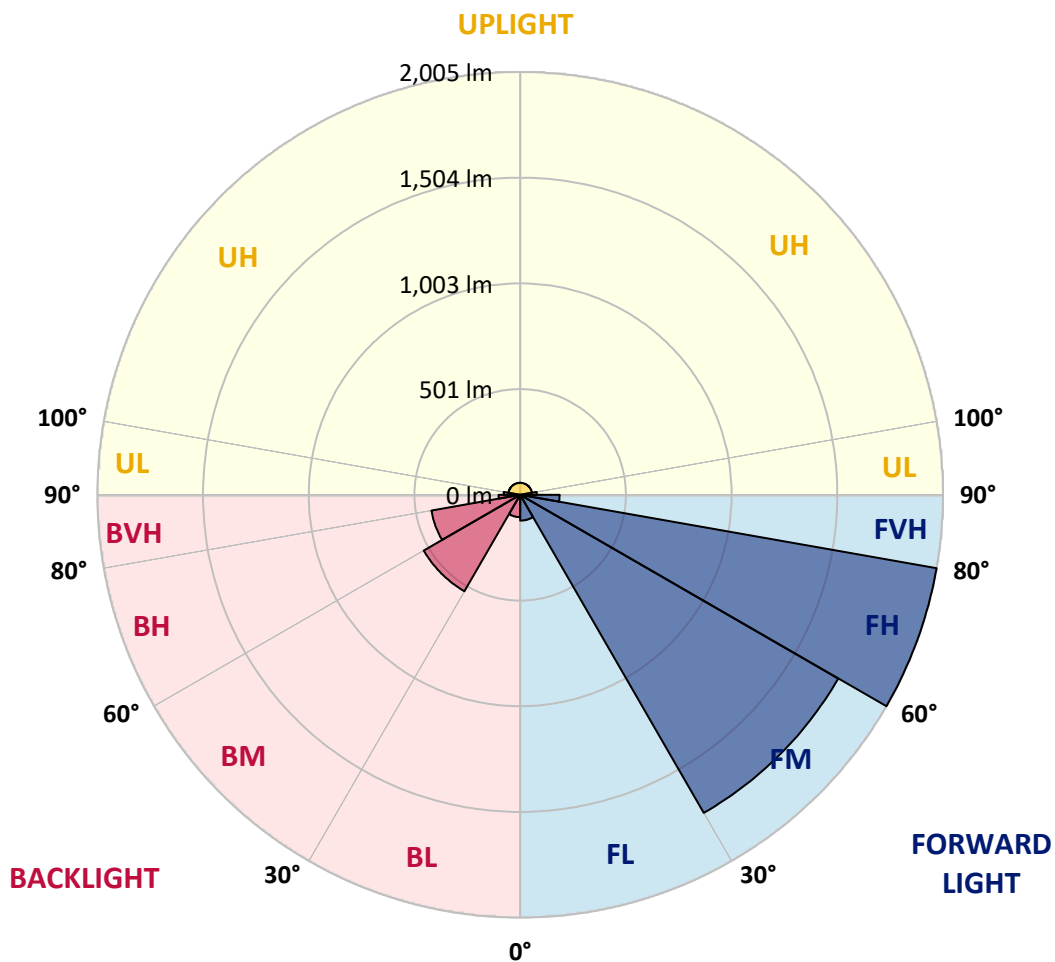
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.3	2.3			
FM	(30°-60°)	1741.7	32.7			
FH	(60°-80°)	2005.1	37.6			G2/5000
FVH	(80°-90°)	187.0	3.5			G2/225
BL	(0°-30°)	105.8	2.0	B0/110		
BM	(30°-60°)	528.1	9.9	B1/1000		
BH	(60°-80°)	427.8	8.0	B1/500		G1/500
BVH	(80°-90°)	102.6	1.9			G2/225
UL	(90°-100°)	78.6	1.5		U3/500	
UH	(100°-180°)	56.8	1.1		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	7.1	6.5	5.9	5.9	6.5	5.9	5.3	4.7	4.1	4.1	3.5
5°	66.1	64.4	63.8	51.4	23.6	18.3	8.3	6.5	5.3	4.1	3.5
7.5°	73.2	72.6	72.0	72.0	70.9	67.3	38.4	18.9	10.6	5.3	4.7
10°	83.9	82.7	79.1	77.4	75.6	74.4	69.1	65.5	29.5	8.9	7.7
12.5°	149.4	147.0	143.5	106.3	90.9	80.3	78.5	75.6	65.5	27.2	54.9
15°	160.6	160.0	157.7	155.9	151.2	100.4	121.6	138.8	157.1	128.1	142.9
17.5°	202.0	196.1	180.7	171.8	168.9	184.2	176.0	178.9	178.9	172.4	163.6
20°	301.8	297.6	289.9	255.7	192.5	237.4	232.7	197.8	203.7	252.2	292.9
22.5°	363.8	359.6	343.7	321.8	317.7	264.0	274.6	300.0	307.1	353.7	353.1
25°	493.7	486.0	451.8	387.4	395.7	340.7	383.3	377.3	359.0	389.7	400.4
27.5°	602.9	596.4	579.9	547.4	458.8	476.6	435.8	428.1	477.1	563.4	561.6
30°	723.4	688.0	643.7	633.6	568.1	540.3	551.0	576.4	594.7	602.9	623.6
32.5°	877.5	873.4	840.3	709.8	689.1	617.7	668.5	633.6	647.8	767.1	838.0
35°	984.4	995.0	936.6	858.6	760.6	758.8	737.6	772.4	840.3	856.9	905.9
37.5°	1233.6	1236.6	1184.0	961.4	897.6	836.2	902.3	911.8	930.7	959.0	1000.4
40°	1421.4	1394.8	1329.9	1164.5	1025.7	959.0	1006.3	1005.1	1046.4	1098.4	1124.4
42.5°	1652.9	1623.4	1507.0	1319.8	1189.9	1116.1	1120.8	1110.8	1145.0	1227.1	1243.1
45°	1847.2	1834.2	1744.4	1547.2	1371.2	1282.6	1250.7	1238.3	1255.5	1358.8	1367.7
47.5°	2030.8	1996.0	1937.5	1737.9	1634.6	1473.4	1381.8	1352.3	1357.6	1475.1	1501.1
50°	2225.1	2166.6	2094.6	1919.2	1844.2	1713.1	1532.4	1486.4	1488.1	1596.8	1641.1
52.5°	2340.3	2247.5	2200.9	2055.6	1980.0	1914.5	1690.1	1610.4	1618.6	1721.4	1788.7
55°	2268.8	2241.0	2242.2	2155.4	2099.3	2022.6	1843.0	1753.9	1763.3	1883.8	1968.2
57.5°	2148.3	2169.6	2244.6	2241.0	2209.7	2134.8	1995.4	1912.1	1966.5	2067.4	2156.6
60°	2055.6	2079.8	2201.5	2264.1	2322.5	2267.6	2153.1	2117.0	2167.8	2255.8	2362.7
62.5°	1900.9	1920.4	2087.5	2252.9	2319.6	2381.0	2303.0	2335.5	2382.2	2456.6	2586.5
65°	1689.5	1684.8	1892.6	2150.1	2300.1	2444.2	2496.2	2555.8	2598.3	2678.0	2796.1
67.5°	1439.7	1463.3	1638.1	1928.7	2223.9	2476.1	2658.5	2767.8	2794.4	2825.1	2910.1
70°	1175.7	1174.6	1327.5	1636.3	2060.3	2458.4	2812.7	2907.2	2907.7	2889.4	2914.8
72°	896.4	877.5	995.6	1259.0	1789.3	2363.3	2891.8	2957.9	2936.1	2881.8	2789.1
72.5°	769.5	786.6	897.6	1185.8	1667.6	2316.0	2900.1	2957.4	2933.7	2874.1	2751.3
75°	390.3	365.5	428.7	635.4	1150.3	1871.4	2840.4	2899.5	2833.3	2758.9	2412.3
77.5°	152.9	157.1	181.9	274.6	559.8	1232.4	2451.9	2580.6	2538.1	2485.5	1902.7
80°	107.5	107.5	121.6	156.5	287.0	500.8	1698.9	1886.1	1951.7	1977.7	1272.6
82.5°	77.9	79.1	92.7	109.2	204.9	240.3	834.4	1048.2	1151.5	1248.4	711.6
85°	72.6	72.6	74.4	73.2	146.5	171.3	303.5	447.6	517.3	606.5	287.6
87.5°	34.3	37.2	54.9	43.7	72.0	105.7	165.3	179.5	183.7	208.5	206.7
90°	22.4	22.4	18.3	18.9	35.4	85.6	132.9	135.8	130.5	152.9	192.5
92.5°	23.0	23.6	17.1	17.7	27.8	78.5	136.4	138.8	134.6	160.6	204.3
95°	21.3	21.3	14.8	15.4	21.8	60.2	136.4	138.8	127.0	160.0	204.3
97.5°	17.7	18.3	11.8	12.4	17.1	29.5	94.5	101.6	80.9	81.5	99.8
100°	15.4	15.4	9.4	10.0	12.4	13.6	47.8	50.2	44.9	20.1	13.6
102.5°	15.4	15.4	8.3	8.3	8.3	7.7	14.8	24.8	20.7	11.8	13.0
105°	14.8	15.4	7.7	6.5	6.5	5.9	7.7	9.4	9.4	9.4	13.6
107.5°	11.8	12.4	5.9	5.9	5.3	5.3	4.1	4.1	5.9	8.9	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.4	9.4	4.7	5.3	4.1	4.7	3.5	3.5	5.3	6.5	11.2
112.5°	5.3	5.3	3.5	4.1	3.5	4.1	3.5	3.5	4.1	5.3	7.1
115°	4.7	4.7	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.7	7.7
117.5°	4.7	4.7	3.0	3.0	3.0	2.4	2.4	3.0	3.0	4.7	7.7
120°	4.7	4.7	3.0	3.0	2.4	2.4	2.4	3.0	3.0	4.7	7.7
122.5°	5.3	4.7	3.0	2.4	2.4	2.4	2.4	2.4	3.0	4.1	7.7
125°	5.3	4.7	3.5	2.4	2.4	2.4	2.4	2.4	3.0	4.1	6.5
127.5°	5.3	5.3	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	5.9
130°	5.3	4.7	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	5.3
132.5°	4.7	4.7	3.5	2.4	3.0	2.4	2.4	2.4	2.4	3.0	4.1
135°	4.1	4.1	3.0	3.0	3.0	2.4	2.4	2.4	2.4	2.4	3.5
137.5°	4.1	4.1	3.5	3.0	3.0	3.0	2.4	2.4	2.4	2.4	3.0
140°	4.1	4.1	3.5	3.5	3.5	3.0	2.4	2.4	2.4	3.0	3.0
142.5°	4.7	4.7	4.1	3.5	3.5	3.0	2.4	2.4	3.0	3.0	3.0
145°	5.3	5.3	4.7	4.1	3.5	2.4	2.4	3.0	3.0	3.0	3.5
147.5°	5.3	5.3	4.7	3.5	3.0	2.4	2.4	3.0	3.0	3.5	3.5
150°	4.7	4.7	4.1	3.0	2.4	1.8	2.4	2.4	3.0	3.5	3.5
152.5°	3.5	3.5	3.0	2.4	1.8	1.2	1.8	2.4	2.4	3.0	3.5
155°	2.4	2.4	1.8	1.2	1.2	1.2	1.8	1.8	1.8	2.4	3.0
157.5°	1.2	1.2	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8	2.4
160°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8	1.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.7	5.3
5°	3.5	3.5	3.5	3.5	4.1	4.7	5.3	5.9	6.5	7.1	7.1
7.5°	4.1	4.1	4.1	4.7	5.3	6.5	14.8	52.0	70.9	77.4	75.6
10°	7.7	7.7	7.1	7.1	8.3	69.1	88.0	95.7	99.8	104.5	104.5
12.5°	61.4	70.9	25.4	14.2	68.5	96.8	103.9	109.2	112.8	117.5	117.5
15°	148.2	150.6	154.7	139.4	134.6	109.8	114.6	155.3	204.3	217.3	218.5
17.5°	166.5	169.5	172.4	204.3	217.3	168.3	193.7	217.9	222.6	227.4	227.4
20°	317.7	322.4	261.6	234.4	229.1	285.2	219.1	225.0	233.3	275.2	279.3
22.5°	360.2	363.2	340.1	354.9	259.8	298.2	288.2	288.2	322.4	324.8	325.4
25°	403.9	420.5	376.8	364.9	369.7	301.8	340.1	307.1	311.8	315.3	315.9
27.5°	589.3	587.0	551.6	417.5	370.9	365.5	330.1	302.9	354.3	367.9	368.5
30°	626.5	620.6	588.8	489.0	385.0	362.0	311.2	350.2	340.7	342.5	343.1
32.5°	861.6	852.1	761.8	494.9	402.1	334.2	337.8	326.0	327.2	363.8	364.9
35°	920.6	907.6	780.7	572.2	383.3	339.0	312.4	327.2	333.1	331.3	331.3
37.5°	999.8	975.0	774.8	538.0	398.6	317.1	298.8	308.8	305.3	327.7	326.6
40°	1086.0	1051.1	777.7	499.0	361.4	297.6	286.4	295.3	292.9	286.4	281.7
42.5°	1195.8	1135.6	777.1	466.5	327.2	291.1	270.5	269.9	259.8	249.2	245.7
45°	1308.0	1224.8	779.5	429.3	301.2	285.8	261.6	247.4	238.6	227.4	224.4
47.5°	1430.8	1319.8	786.6	399.8	281.1	269.9	250.4	233.3	226.8	212.6	211.4
50°	1576.1	1419.6	788.9	376.2	257.5	255.7	242.1	223.2	213.2	199.0	197.8
52.5°	1732.6	1525.3	793.1	341.3	239.2	250.4	246.8	220.9	216.7	198.4	197.2
55°	1880.8	1625.7	791.9	299.4	230.9	245.7	246.8	236.2	229.7	199.6	197.2
57.5°	2059.2	1734.4	774.2	260.4	217.9	238.6	258.7	249.8	242.7	217.9	213.2
60°	2218.6	1846.6	721.6	230.3	206.7	230.9	268.7	259.8	239.8	223.8	219.1
62.5°	2405.2	1943.4	648.4	208.5	202.6	233.3	272.2	266.3	241.5	236.2	234.4
65°	2531.6	1980.0	537.4	190.7	202.0	233.3	271.1	272.2	254.5	259.8	259.2
67.5°	2546.9	1932.8	407.5	177.2	194.9	233.3	269.3	284.0	266.3	288.2	289.4
70°	2473.1	1814.7	297.0	163.6	187.2	230.3	269.9	291.7	275.2	309.4	307.1
72°	2303.0	1635.8	240.3	154.7	180.7	225.6	274.0	295.9	282.9	314.8	309.4
72.5°	2258.8	1580.8	229.7	153.5	179.5	225.0	275.2	297.0	283.5	320.1	313.6
75°	1890.3	1259.0	197.2	144.7	181.3	222.0	281.1	296.4	287.0	323.6	324.8
77.5°	1432.0	848.6	174.8	137.0	180.7	216.7	279.3	291.7	281.7	311.2	317.7
80°	886.4	493.7	155.3	136.4	179.5	214.4	271.6	279.3	266.9	290.5	292.3
82.5°	484.8	288.8	134.6	134.0	174.2	207.9	256.9	265.1	253.3	279.3	261.0
85°	248.0	196.1	101.0	109.8	152.4	195.5	239.8	239.2	227.4	236.8	223.8
87.5°	191.3	154.1	65.5	79.1	124.6	161.2	197.2	195.5	180.1	181.3	176.0
90°	176.0	137.6	43.1	56.1	103.9	115.7	137.0	131.7	121.1	123.4	121.6
92.5°	177.2	135.8	41.3	59.6	99.8	103.9	125.8	119.3	108.7	109.8	106.3
95°	173.0	130.5	41.3	52.6	82.7	73.8	90.4	88.0	79.1	75.0	73.2
97.5°	82.7	65.0	38.4	39.0	46.7	40.2	54.9	59.1	47.2	37.8	37.8
100°	14.2	21.8	33.7	39.6	33.7	25.4	34.8	40.2	27.2	12.4	13.6
102.5°	14.2	13.6	26.0	33.7	24.2	13.6	20.1	26.6	17.1	9.4	10.0
105°	15.4	14.2	12.4	23.0	14.2	7.1	7.7	13.6	9.4	9.4	9.4
107.5°	16.5	15.4	8.9	8.9	7.1	6.5	5.9	5.3	6.5	9.4	10.0



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.4	12.4	8.3	7.1	6.5	6.5	4.7	4.7	6.5	10.0	10.0
112.5°	8.9	8.9	7.1	5.9	5.3	6.5	4.7	4.7	5.9	10.0	10.6
115°	8.9	8.9	6.5	5.3	4.7	5.3	4.7	4.1	5.9	10.0	10.6
117.5°	8.9	8.9	6.5	4.7	4.1	4.1	3.5	4.1	5.9	10.0	10.6
120°	8.9	8.9	6.5	4.7	4.1	3.5	3.5	3.5	5.9	10.0	10.6
122.5°	8.3	8.3	5.9	4.1	3.5	3.0	3.0	3.5	5.3	9.4	10.0
125°	7.7	7.7	5.3	4.1	3.5	3.0	3.0	3.0	5.3	8.9	9.4
127.5°	7.1	7.1	5.3	3.5	3.0	3.0	3.0	3.0	4.7	8.3	8.9
130°	5.9	5.9	4.7	3.5	3.0	2.4	3.0	3.0	4.7	7.7	7.7
132.5°	4.7	4.7	3.5	3.0	3.0	2.4	2.4	3.0	4.1	6.5	7.1
135°	3.5	3.5	3.5	3.0	3.0	2.4	2.4	2.4	3.5	5.3	5.9
137.5°	3.0	3.5	3.0	3.0	3.0	2.4	2.4	2.4	3.5	4.7	4.7
140°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	2.4	3.5	4.1	4.7
142.5°	3.0	3.5	3.0	3.0	3.0	2.4	2.4	3.0	3.5	4.7	4.7
145°	3.5	3.5	3.5	3.0	3.0	1.8	1.8	3.0	3.5	4.7	4.7
147.5°	3.5	3.5	3.5	3.0	2.4	1.8	1.8	2.4	3.5	4.7	4.7
150°	3.5	3.5	3.5	3.0	2.4	1.2	1.2	2.4	3.0	4.1	4.7
152.5°	3.5	3.5	3.0	3.0	1.8	1.2	0.6	1.8	2.4	3.5	3.5
155°	3.0	3.0	3.0	2.4	1.8	0.6	0.0	0.6	1.8	3.0	3.0
157.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.6	0.6	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)