

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: P695869

Luminaire Tested: **LXF.LXT-PA16-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6010 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

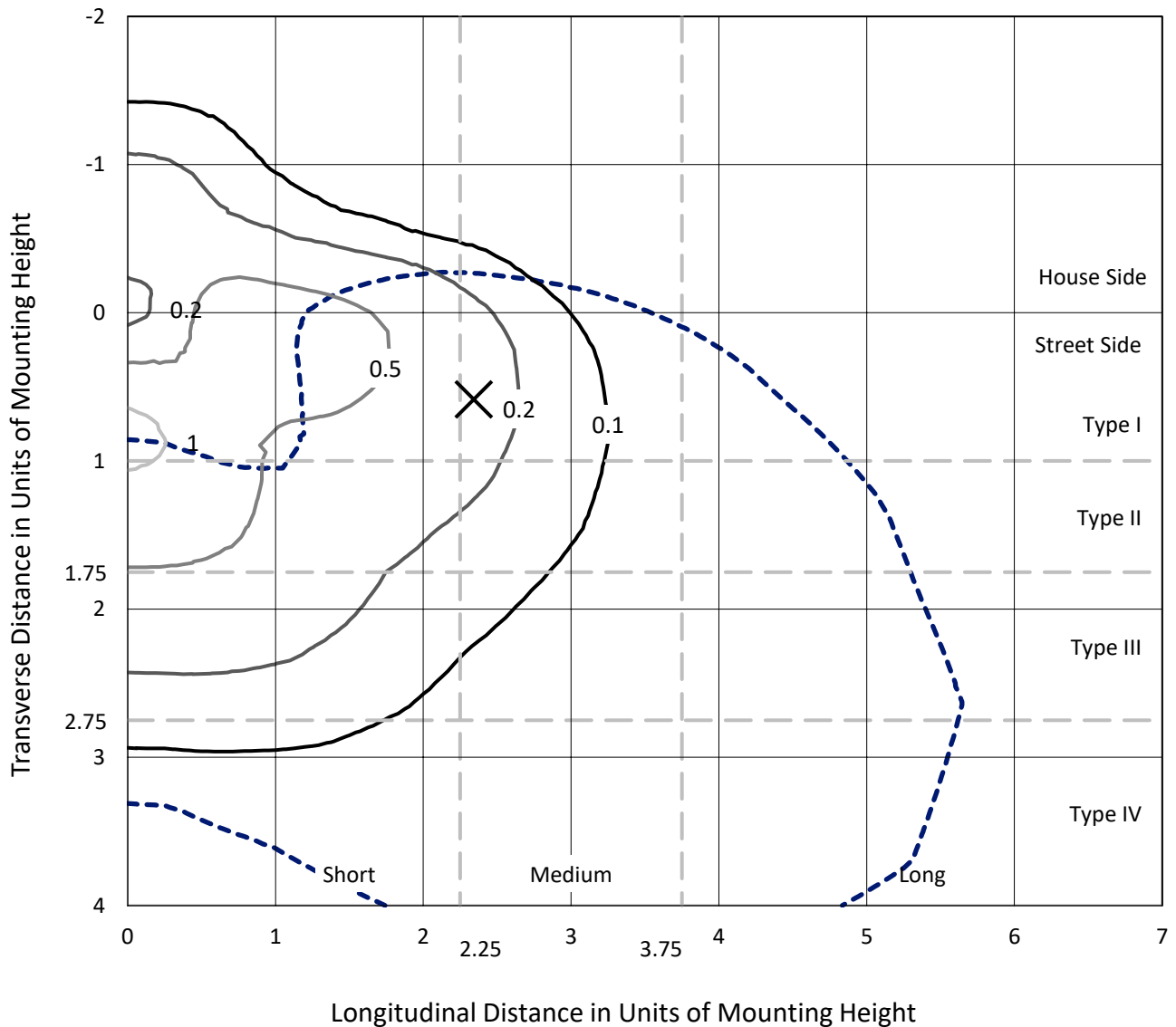
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

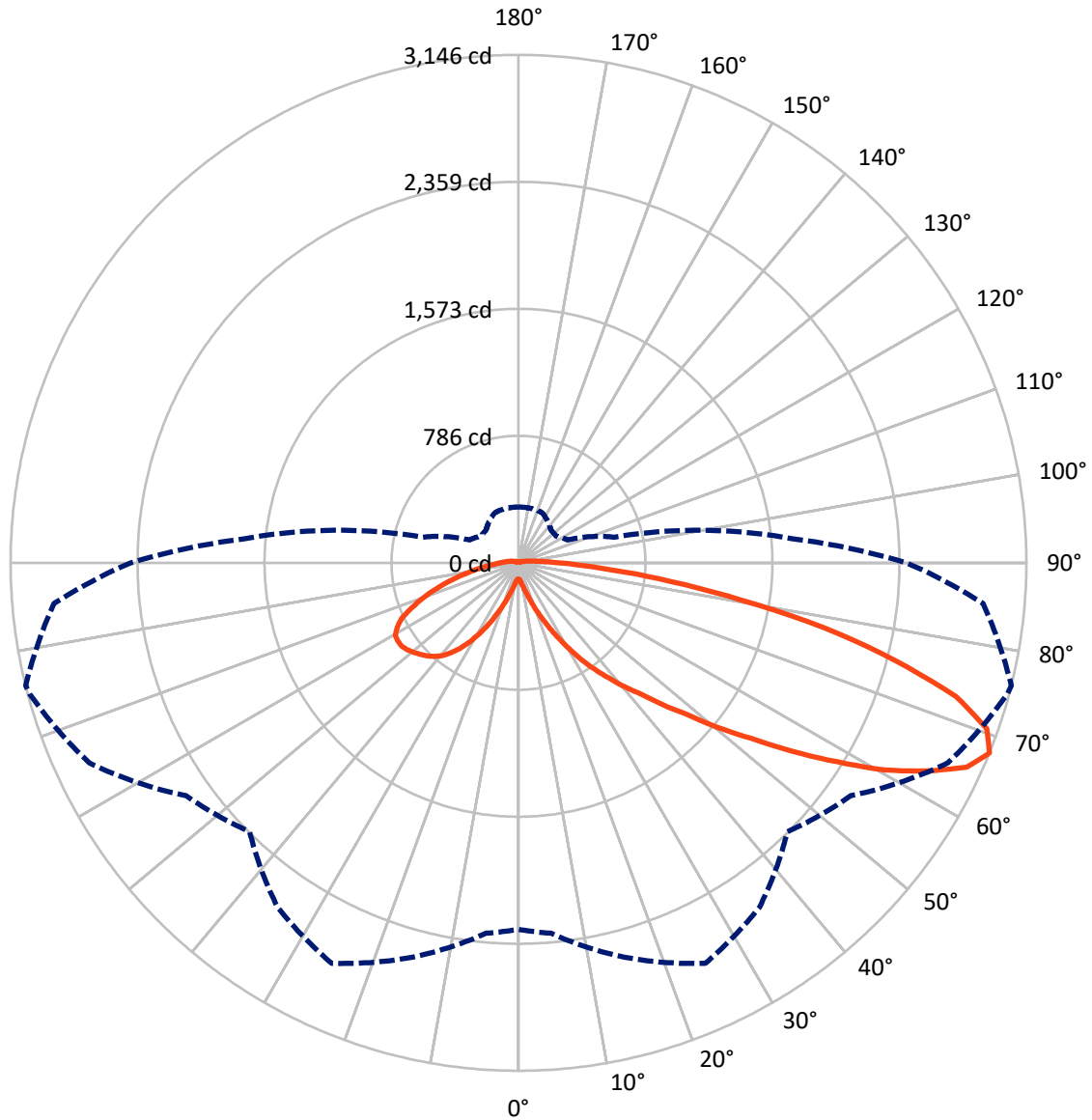
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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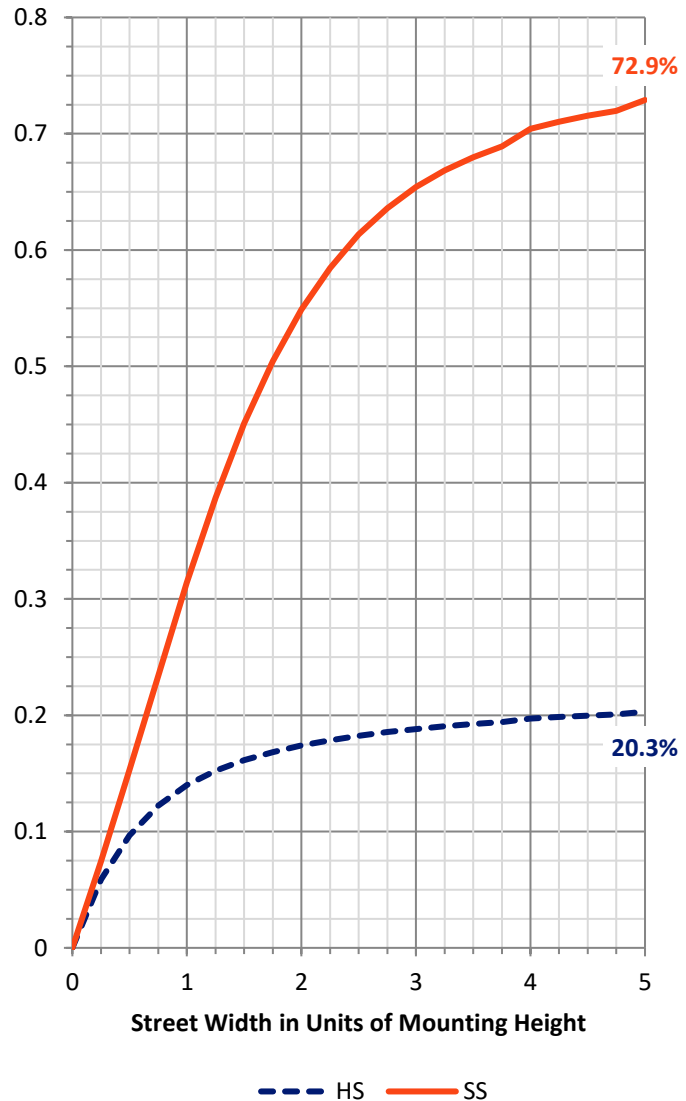
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1287.1	103.8	1390.8
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	4514.3	104.9	4619.2
	% Fixture	75.1	1.7	76.9
Total	Lumens	5801.3	208.7	6010.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	59.3	1.0
20°-30°	187.5	3.1
30°-40°	418.1	7.0
40°-50°	717.5	11.9
50°-60°	1119.3	18.6
60°-70°	1532.5	25.5
70°-80°	1284.4	21.4
80°-90°	471.3	7.8
90°-100°	118.7	2.0
100°-110°	45.2	0.8
110°-120°	21.6	0.4
120°-130°	12.2	0.2
130°-140°	7.1	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5801.3	96.5
0°-180°	6010.0	100.0

Coefficient of Utilization

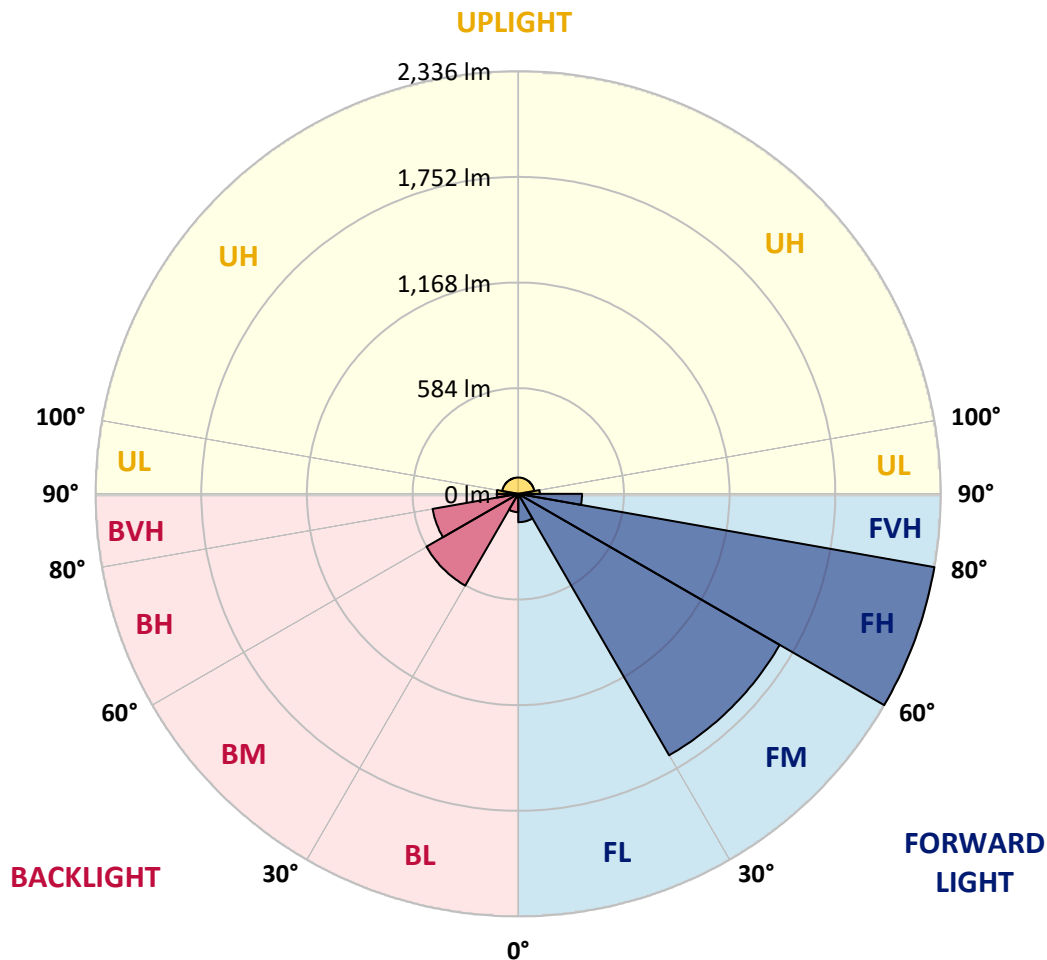


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.9	2.6			
FM (30°-60°)	1668.8	27.8			
FH (60°-80°)	2336.1	38.9			G2/5000
FVH (80°-90°)	352.4	5.9			G3/500
BL (0°-30°)	101.4	1.7	B0/110		
BM (30°-60°)	586.0	9.8	B1/1000		
BH (60°-80°)	480.7	8.0	B1/500		G1/500
BVH (80°-90°)	119.0	2.0			G2/225
UL (90°-100°)	118.7	2.0		U3/500	
UH (100°-180°)	90.0	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°	75°	76°	85°
0°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5°	106.5	106.5	106.5	106.5	108.6	106.5	106.5	104.3	104.3	102.1	102.1
5°	121.7	121.7	121.7	121.7	121.7	119.5	117.3	115.1	113.0	110.8	110.8
7.5°	143.4	143.4	143.4	141.2	139.0	136.9	134.7	130.3	126.0	126.0	121.7
10°	173.8	173.8	173.8	171.6	165.1	160.8	156.4	149.9	147.7	145.6	141.2
12.5°	215.1	215.1	210.7	206.4	197.7	191.2	184.7	178.1	176.0	173.8	167.3
15°	267.2	265.0	260.7	247.7	239.0	228.1	221.6	215.1	208.6	208.6	206.4
17.5°	330.2	328.0	317.2	299.8	286.8	269.4	260.7	256.4	256.4	254.2	249.8
20°	406.3	406.3	391.0	365.0	338.9	317.2	310.7	308.5	308.5	310.7	304.1
22.5°	504.0	501.8	480.1	436.7	399.7	371.5	365.0	365.0	371.5	371.5	369.3
25°	612.6	610.5	571.4	523.6	464.9	434.5	419.3	430.2	445.4	447.5	449.7
27.5°	745.2	736.5	690.8	617.0	540.9	493.2	482.3	499.7	530.1	527.9	532.3
30°	882.0	877.7	814.7	723.4	621.3	556.2	547.5	580.1	614.8	617.0	627.8
32.5°	1042.8	1018.9	960.2	838.6	703.9	623.5	610.5	658.3	710.4	714.7	725.6
35°	1203.6	1201.4	1105.8	962.4	790.8	686.5	675.6	732.1	806.0	808.2	823.4
37.5°	1366.5	1357.8	1266.6	1084.1	886.4	758.2	740.8	814.7	897.2	901.6	923.3
40°	1538.1	1527.3	1429.5	1214.4	986.3	836.4	816.9	903.8	999.3	1008.0	1034.1
42.5°	1688.0	1685.8	1592.4	1357.8	1084.1	912.4	899.4	992.8	1105.8	1110.1	1149.2
45°	1853.1	1824.9	1738.0	1501.2	1205.7	1005.9	992.8	1108.0	1236.1	1253.5	1286.1
47.5°	1983.5	1970.4	1890.1	1657.6	1329.6	1108.0	1094.9	1231.8	1388.2	1403.4	1431.7
50°	2116.0	2100.8	2029.1	1805.3	1464.3	1227.5	1225.3	1388.2	1579.4	1603.3	1633.7
52.5°	2224.6	2215.9	2172.5	1963.9	1607.6	1346.9	1370.8	1572.9	1790.1	1807.5	1837.9
55°	2326.7	2320.2	2311.5	2139.9	1779.3	1505.5	1525.1	1779.3	2029.1	2061.7	2109.5
57.5°	2402.8	2413.6	2431.0	2311.5	1959.6	1664.1	1705.4	2031.3	2294.1	2324.6	2372.3
60°	2454.9	2472.3	2535.3	2483.1	2148.6	1840.1	1927.0	2263.7	2570.0	2604.8	2628.7
62.5°	2461.4	2489.7	2617.8	2628.7	2326.7	2024.8	2122.5	2511.4	2832.9	2839.4	2811.2
65°	2411.5	2433.2	2613.5	2717.8	2485.3	2205.1	2337.6	2765.6	3035.0	3050.2	2919.8
67.5°	2270.2	2302.8	2528.8	2737.3	2602.6	2355.0	2513.6	2932.8	3134.9	3145.8	2887.2
70°	2007.4	2066.0	2335.4	2624.4	2626.5	2437.5	2628.7	3004.5	3089.3	3076.2	2691.7
72.5°	1690.2	1705.4	2003.0	2389.7	2535.3	2435.4	2615.7	2917.6	2856.8	2832.9	2326.7
75°	1236.1	1277.4	1555.5	2026.9	2318.0	2292.0	2461.4	2659.1	2450.6	2407.1	1896.6
77.5°	836.4	879.9	1099.3	1555.5	1950.9	2035.6	2179.0	2237.7	1972.6	1935.7	1390.4
80°	525.7	556.2	710.4	1086.2	1529.4	1661.9	1770.6	1733.6	1431.7	1396.9	988.5
82.5°	293.3	308.5	434.5	708.2	1077.6	1264.4	1349.1	1257.9	986.3	947.2	640.9
85°	154.2	173.8	245.5	430.2	719.1	899.4	966.8	832.1	606.1	593.1	399.7
87.5°	84.7	93.4	141.2	258.5	445.4	610.5	640.9	523.6	375.8	358.5	254.2
90°	52.1	56.5	82.6	154.2	275.9	382.4	401.9	328.0	234.6	230.3	169.5
92.5°	34.8	36.9	56.5	99.9	173.8	245.5	258.5	204.2	154.2	149.9	121.7
95°	26.1	28.2	43.4	71.7	119.5	167.3	165.1	139.0	104.3	102.1	89.1
97.5°	21.7	23.9	36.9	56.5	86.9	113.0	113.0	91.2	76.0	76.0	69.5
100°	19.6	19.6	30.4	45.6	65.2	82.6	82.6	67.3	56.5	56.5	52.1
102.5°	17.4	17.4	26.1	39.1	52.1	65.2	63.0	52.1	43.4	43.4	41.3
105°	15.2	15.2	23.9	32.6	43.4	52.1	50.0	41.3	34.8	32.6	30.4
107.5°	13.0	13.0	19.6	28.2	39.1	43.4	41.3	34.8	26.1	26.1	23.9
110°	13.0	13.0	17.4	26.1	32.6	36.9	34.8	28.2	21.7	21.7	19.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	10.9	10.9	15.2	21.7	28.2	32.6	30.4	23.9	17.4	17.4	17.4
115°	10.9	10.9	13.0	19.6	23.9	28.2	26.1	19.6	15.2	15.2	15.2
117.5°	10.9	10.9	13.0	17.4	21.7	23.9	21.7	17.4	13.0	13.0	13.0
120°	8.7	8.7	10.9	15.2	19.6	21.7	19.6	15.2	10.9	10.9	13.0
122.5°	8.7	8.7	10.9	13.0	17.4	19.6	17.4	13.0	10.9	10.9	10.9
125°	8.7	8.7	10.9	13.0	15.2	17.4	15.2	10.9	10.9	10.9	10.9
127.5°	8.7	8.7	8.7	10.9	13.0	15.2	13.0	10.9	8.7	8.7	10.9
130°	8.7	8.7	8.7	10.9	13.0	13.0	10.9	8.7	8.7	8.7	10.9
132.5°	8.7	8.7	8.7	8.7	10.9	10.9	10.9	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	10.9	10.9	8.7	8.7	8.7	8.7	8.7
137.5°	8.7	6.5	6.5	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7
140°	6.5	6.5	6.5	6.5	8.7	8.7	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	4.3	6.5	6.5	4.3	4.3	4.3	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5°	102.1	99.9	99.9	99.9	99.9	97.8	97.8	97.8	97.8	95.6	97.8
5°	108.6	108.6	106.5	102.1	102.1	99.9	99.9	97.8	97.8	95.6	95.6
7.5°	121.7	119.5	115.1	113.0	108.6	106.5	104.3	102.1	102.1	99.9	99.9
10°	139.0	136.9	130.3	126.0	121.7	117.3	115.1	113.0	110.8	108.6	108.6
12.5°	165.1	160.8	154.2	143.4	139.0	132.5	128.2	126.0	126.0	126.0	123.8
15°	202.0	195.5	184.7	171.6	158.6	149.9	147.7	147.7	147.7	149.9	149.9
17.5°	245.5	236.8	223.8	202.0	184.7	173.8	171.6	171.6	173.8	178.1	178.1
20°	299.8	288.9	269.4	241.1	215.1	199.9	195.5	199.9	208.6	210.7	210.7
22.5°	362.8	354.1	321.5	280.3	247.7	228.1	223.8	228.1	239.0	247.7	249.8
25°	438.8	425.8	380.2	325.9	280.3	256.4	249.8	260.7	275.9	288.9	288.9
27.5°	523.6	508.4	445.4	373.7	312.8	280.3	273.7	288.9	315.0	330.2	332.4
30°	614.8	590.9	508.4	419.3	341.1	302.0	297.6	319.4	349.8	369.3	371.5
32.5°	714.7	675.6	573.5	460.6	367.1	317.2	315.0	343.3	380.2	404.1	406.3
35°	808.2	764.7	632.2	491.0	384.5	328.0	328.0	360.6	404.1	428.0	430.2
37.5°	899.4	842.9	682.2	514.9	393.2	332.4	334.6	373.7	417.1	441.0	443.2
40°	999.3	927.6	725.6	525.7	395.4	334.6	338.9	380.2	419.3	443.2	443.2
42.5°	1103.6	1016.7	753.9	525.7	391.0	332.4	336.7	378.0	414.9	432.3	434.5
45°	1225.3	1112.3	773.4	517.1	382.4	325.9	332.4	373.7	401.9	410.6	412.8
47.5°	1364.3	1212.2	788.6	504.0	371.5	319.4	328.0	362.8	386.7	386.7	386.7
50°	1540.3	1325.2	801.6	482.3	358.5	312.8	321.5	354.1	367.1	362.8	362.8
52.5°	1731.5	1449.0	810.3	460.6	345.4	304.1	315.0	345.4	351.9	341.1	341.1
55°	1944.4	1594.6	810.3	438.8	332.4	297.6	310.7	336.7	338.9	328.0	323.7
57.5°	2148.6	1709.7	799.5	414.9	319.4	291.1	306.3	332.4	332.4	321.5	319.4
60°	2331.1	1816.2	782.1	393.2	310.7	286.8	306.3	330.2	330.2	321.5	321.5
62.5°	2461.4	1851.0	738.6	373.7	302.0	286.8	308.5	332.4	334.6	330.2	328.0
65°	2494.0	1833.6	688.7	351.9	293.3	284.6	312.8	338.9	341.1	338.9	338.9
67.5°	2402.8	1705.4	612.6	334.6	286.8	284.6	315.0	343.3	345.4	345.4	345.4
70°	2166.0	1514.2	543.1	315.0	280.3	282.4	319.4	347.6	347.6	347.6	347.6
72.5°	1831.4	1270.9	471.4	297.6	269.4	278.1	319.4	345.4	345.4	343.3	343.3
75°	1446.9	1005.9	404.1	280.3	256.4	269.4	315.0	338.9	336.7	334.6	332.4
77.5°	1071.0	747.3	338.9	256.4	241.1	258.5	302.0	323.7	321.5	319.4	315.0
80°	738.6	521.4	282.4	232.5	221.6	241.1	282.4	302.0	299.8	295.5	295.5
82.5°	480.1	358.5	228.1	204.2	199.9	221.6	260.7	275.9	271.6	267.2	265.0
85°	310.7	243.3	182.5	173.8	178.1	197.7	228.1	241.1	239.0	234.6	230.3
87.5°	204.2	173.8	143.4	143.4	152.1	173.8	195.5	202.0	199.9	199.9	195.5
90°	143.4	130.3	117.3	119.5	130.3	149.9	160.8	162.9	160.8	162.9	158.6
92.5°	106.5	99.9	95.6	99.9	110.8	126.0	132.5	128.2	130.3	130.3	128.2
95°	82.6	80.4	80.4	84.7	95.6	106.5	108.6	102.1	106.5	106.5	104.3
97.5°	65.2	65.2	67.3	71.7	80.4	89.1	89.1	84.7	86.9	86.9	86.9
100°	52.1	52.1	56.5	60.8	69.5	76.0	73.9	69.5	71.7	69.5	67.3
102.5°	41.3	43.4	47.8	52.1	58.7	63.0	63.0	58.7	58.7	56.5	56.5
105°	32.6	34.8	39.1	45.6	50.0	54.3	54.3	50.0	45.6	43.4	43.4
107.5°	26.1	28.2	32.6	36.9	43.4	45.6	45.6	41.3	36.9	32.6	32.6
110°	21.7	23.9	28.2	32.6	36.9	39.1	39.1	34.8	30.4	26.1	26.1

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 CATALOG NUMBER: LXF.LXT-PA16-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	23.9	28.2	30.4	32.6	32.6	30.4	23.9	21.7	21.7
115°	15.2	17.4	19.6	23.9	26.1	28.2	28.2	23.9	19.6	17.4	17.4
117.5°	15.2	15.2	17.4	21.7	23.9	26.1	23.9	21.7	17.4	15.2	15.2
120°	13.0	15.2	17.4	17.4	21.7	21.7	21.7	17.4	15.2	15.2	15.2
122.5°	13.0	13.0	15.2	17.4	17.4	19.6	19.6	15.2	13.0	13.0	13.0
125°	10.9	13.0	13.0	15.2	17.4	17.4	17.4	13.0	13.0	13.0	13.0
127.5°	10.9	10.9	13.0	13.0	15.2	15.2	15.2	13.0	10.9	10.9	10.9
130°	10.9	10.9	10.9	10.9	13.0	13.0	13.0	10.9	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	8.7	10.9	10.9
135°	8.7	8.7	8.7	8.7	10.9	10.9	8.7	8.7	8.7	8.7	8.7
137.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
140°	8.7	8.7	8.7	6.5	8.7	8.7	6.5	6.5	6.5	8.7	8.7
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	4.3	4.3	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)