

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: P695406

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-740-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5853 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

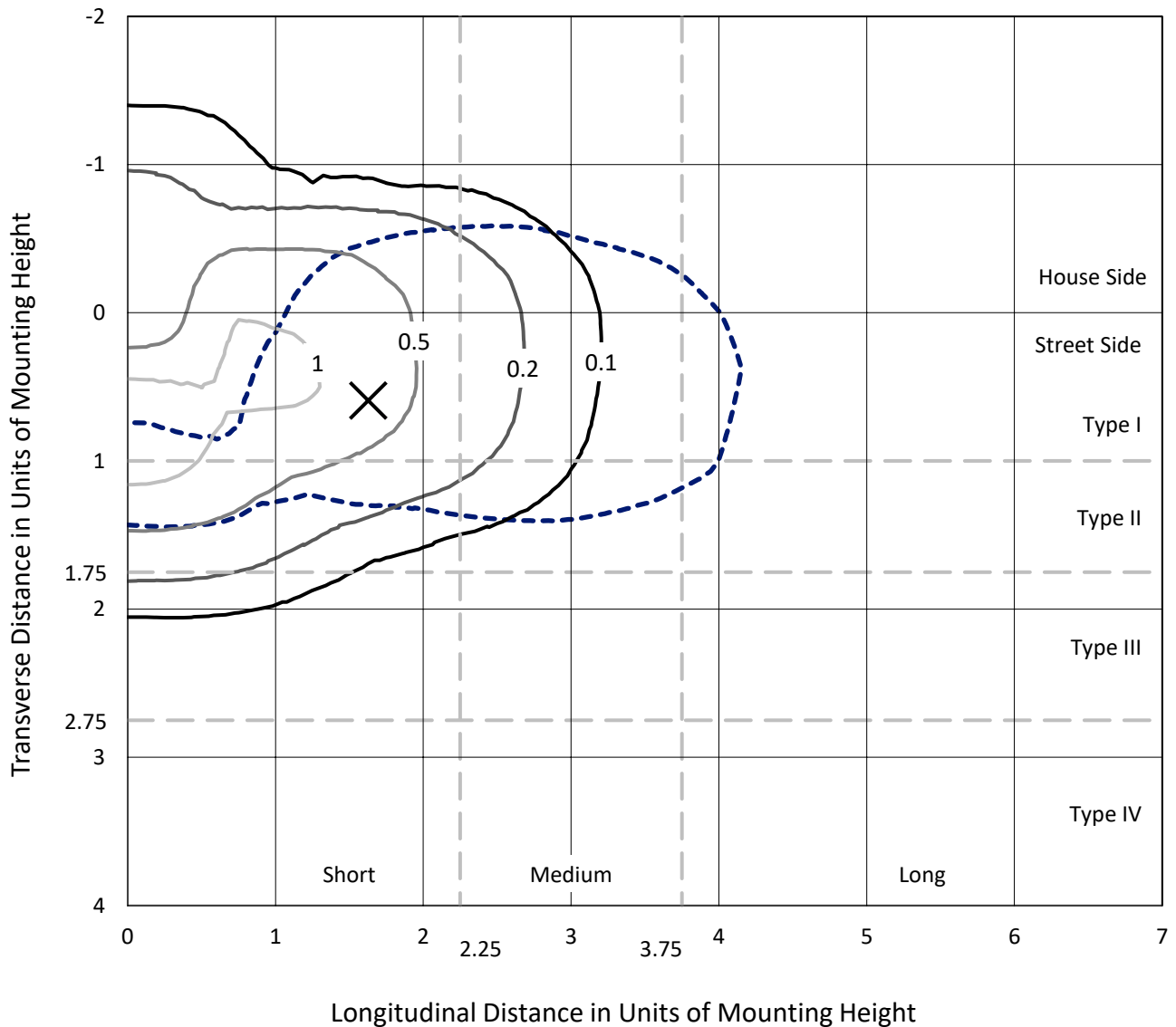
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

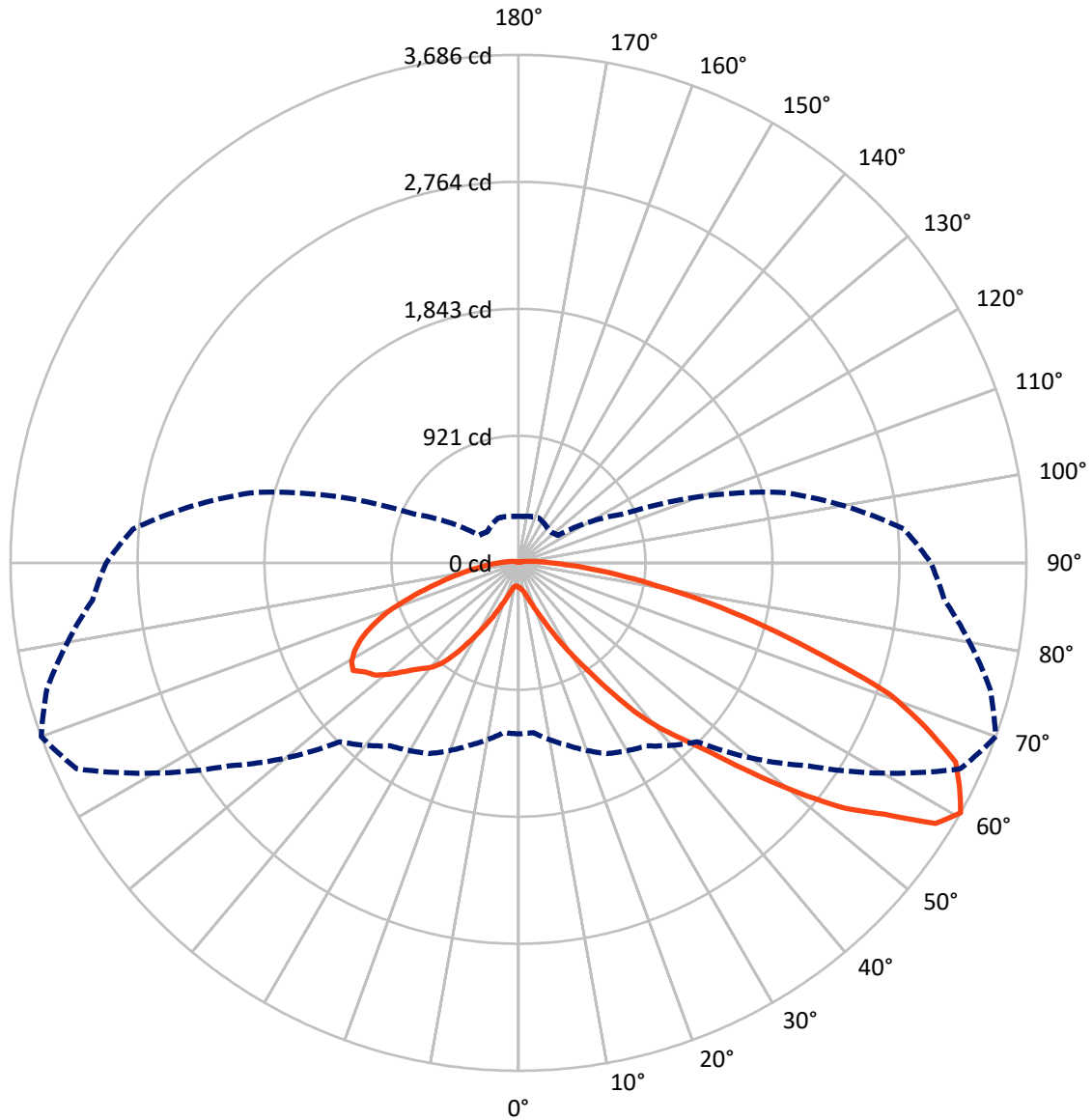
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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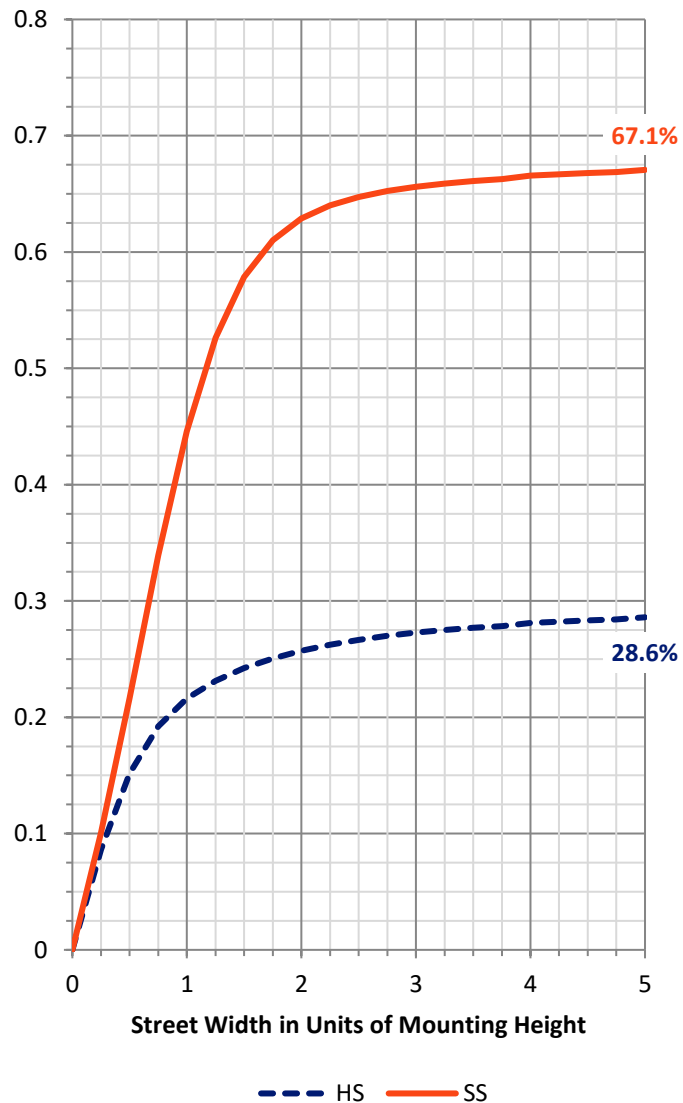
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1723.2	87.0	1810.2
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	3968.7	74.1	4042.9
	% Fixture	67.8	1.3	69.1
Total	Lumens	5691.9	161.1	5853.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.3
10°-20°	74.6	1.3
20°-30°	236.5	4.0
30°-40°	582.1	9.9
40°-50°	1007.3	17.2
50°-60°	1417.7	24.2
60°-70°	1318.2	22.5
70°-80°	751.8	12.8
80°-90°	286.0	4.9
90°-100°	85.3	1.5
100°-110°	34.7	0.6
110°-120°	18.5	0.3
120°-130°	11.6	0.2
130°-140°	7.5	0.1
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5691.9	97.2
0°-180°	5853.0	100.0

Coefficient of Utilization



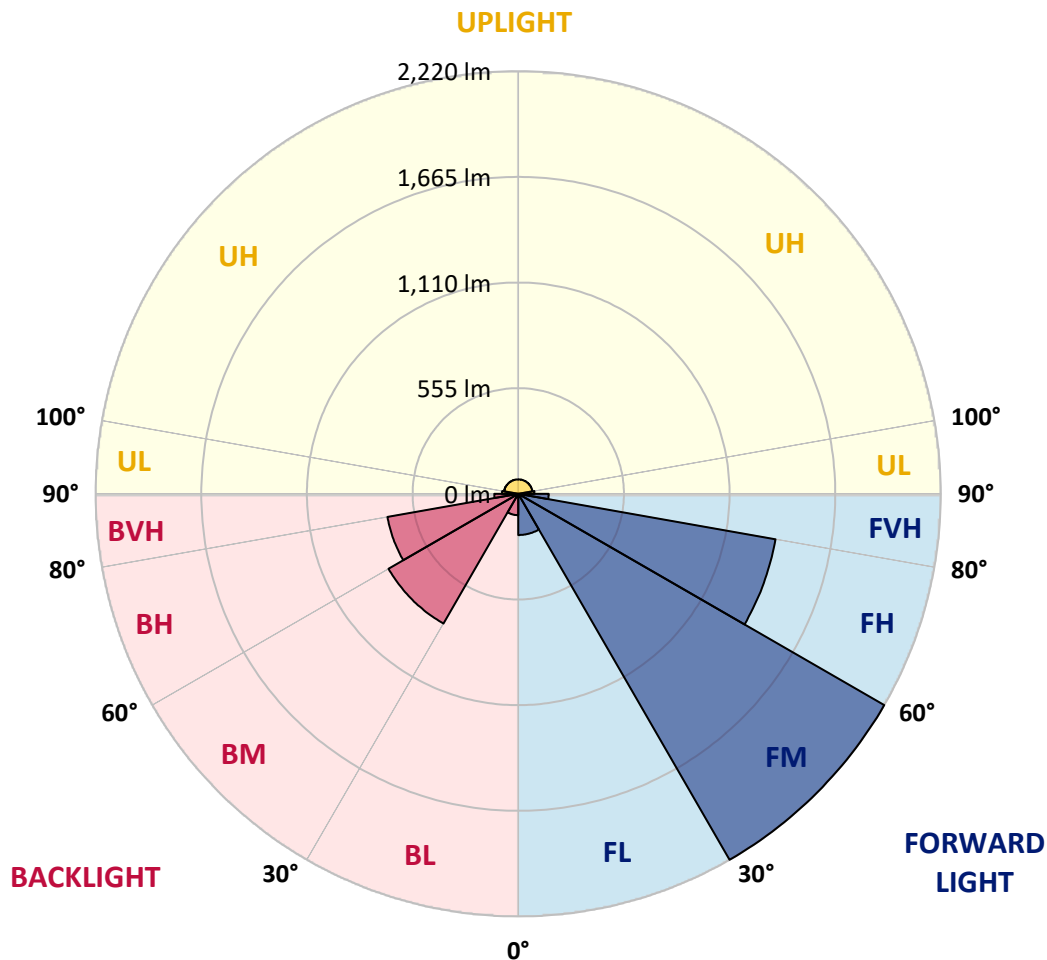
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.5	3.7			
FM (30°-60°)	2220.1	37.9			
FH (60°-80°)	1372.3	23.4			G1/1800
FVH (80°-90°)	159.8	2.7			G2/225
BL (0°-30°)	112.3	1.9	B1/500		
BM (30°-60°)	787.0	13.4	B1/1000		
BH (60°-80°)	697.7	11.9	B2/1000		G2/1000
BVH (80°-90°)	126.2	2.2			G2/225
UL (90°-100°)	85.3	1.5		U3/500	
UH (100°-180°)	75.8	1.3		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	189.3	187.3	187.3	187.3	187.3	185.2	183.2	181.1	181.1	179.0	177.0
5°	205.8	205.8	205.8	203.7	201.7	199.6	195.5	191.4	189.3	185.2	181.1
7.5°	232.5	228.4	228.4	226.4	220.2	216.1	209.9	201.7	199.6	195.5	189.3
10°	265.5	263.4	261.4	255.2	244.9	236.7	230.5	220.2	214.0	209.9	201.7
12.5°	316.9	316.9	310.7	298.4	284.0	269.6	257.2	244.9	238.7	232.5	224.3
15°	380.7	378.7	376.6	356.0	333.4	312.8	292.2	277.8	271.6	267.5	253.1
17.5°	465.1	467.1	454.8	421.9	388.9	366.3	341.6	323.1	314.9	308.7	296.3
20°	574.2	572.1	553.6	506.2	469.2	432.2	405.4	376.6	370.4	364.2	349.8
22.5°	716.2	712.0	675.0	617.4	561.8	510.4	475.4	454.8	442.4	434.2	421.9
25°	862.3	878.7	827.3	757.3	677.1	598.9	561.8	549.5	537.1	530.9	514.5
27.5°	1092.7	1094.8	1020.7	907.5	800.5	720.3	672.9	652.4	652.4	644.1	623.5
30°	1337.6	1335.6	1245.0	1101.0	954.9	843.7	794.4	782.0	786.1	775.8	747.0
32.5°	1553.7	1549.6	1448.8	1306.8	1113.3	977.5	930.2	934.3	938.4	946.6	924.0
35°	1788.3	1786.3	1666.9	1492.0	1282.1	1129.8	1096.9	1136.0	1138.0	1150.4	1098.9
37.5°	1872.7	1885.0	1811.0	1654.6	1432.3	1286.2	1288.2	1331.5	1368.5	1372.6	1300.6
40°	1936.5	1942.7	1874.8	1749.2	1568.1	1448.8	1500.2	1570.2	1572.2	1537.3	1420.0
42.5°	2082.6	2088.8	1994.1	1835.7	1666.9	1613.4	1687.5	1761.6	1747.2	1716.3	1570.2
45°	2177.3	2185.5	2123.8	1971.5	1765.7	1734.8	1870.6	1969.4	1967.4	1946.8	1745.1
47.5°	2274.0	2286.3	2222.5	2078.5	1878.9	1848.0	2072.3	2276.0	2274.0	2216.4	1977.6
50°	2245.2	2255.5	2259.6	2164.9	1959.1	1965.3	2284.3	2597.1	2613.5	2539.5	2261.6
52.5°	2070.3	2086.7	2146.4	2158.7	2016.7	2045.6	2490.1	2936.6	2957.2	2833.7	2481.8
55°	1843.9	1864.5	1942.7	2029.1	1981.8	2066.1	2660.9	3206.2	3218.6	3117.7	2763.8
57.5°	1541.4	1584.6	1685.4	1808.9	1837.7	2016.7	2662.9	3428.5	3568.4	3490.2	3070.4
60°	1240.9	1236.8	1370.6	1527.0	1621.6	1835.7	2568.3	3537.5	3685.7	3543.7	3103.3
62.5°	891.1	905.5	1049.5	1230.6	1347.9	1553.7	2348.1	3323.5	3593.1	3589.0	3276.2
65°	635.9	650.3	755.3	928.1	1063.9	1288.2	1992.1	3113.6	3484.0	3517.0	3259.7
67.5°	452.7	458.9	539.2	675.0	794.4	983.7	1631.9	2815.2	3185.6	3284.4	3165.1
70°	339.6	345.7	395.1	496.0	580.3	718.2	1302.7	2387.2	2860.5	3004.5	2922.2
72.5°	261.4	269.6	302.5	378.7	428.0	512.4	973.4	1946.8	2313.1	2455.1	2420.1
75°	205.8	209.9	234.6	286.0	316.9	360.1	689.4	1498.2	1841.8	2045.6	2045.6
77.5°	164.6	170.8	187.3	224.3	251.1	267.5	473.3	1076.3	1428.2	1634.0	1681.3
80°	131.7	135.8	150.2	177.0	195.5	205.8	319.0	747.0	1024.8	1269.7	1407.6
82.5°	105.0	105.0	119.4	139.9	158.5	170.8	234.6	528.9	732.6	917.8	1070.1
85°	84.4	86.4	94.7	109.1	127.6	144.1	181.1	362.2	500.1	615.3	740.8
87.5°	65.9	65.9	74.1	84.4	102.9	121.4	148.2	244.9	329.3	423.9	498.0
90°	47.3	49.4	53.5	61.7	80.3	98.8	117.3	170.8	218.1	265.5	314.9
92.5°	35.0	35.0	37.0	43.2	57.6	78.2	94.7	123.5	150.2	172.9	195.5
95°	26.8	26.8	28.8	30.9	41.2	59.7	72.0	90.5	105.0	121.4	131.7
97.5°	22.6	22.6	22.6	24.7	32.9	45.3	55.6	67.9	78.2	88.5	98.8
100°	20.6	20.6	20.6	20.6	26.8	39.1	43.2	53.5	59.7	67.9	74.1
102.5°	18.5	18.5	18.5	18.5	24.7	32.9	37.0	41.2	47.3	51.4	57.6
105°	16.5	16.5	16.5	16.5	20.6	26.8	30.9	35.0	37.0	39.1	43.2
107.5°	14.4	14.4	14.4	14.4	18.5	24.7	26.8	26.8	28.8	30.9	35.0
110°	12.3	12.3	12.3	14.4	16.5	20.6	22.6	22.6	22.6	24.7	28.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.3	12.3	12.3	12.3	14.4	18.5	18.5	18.5	20.6	20.6	24.7
115°	10.3	10.3	10.3	12.3	14.4	16.5	16.5	16.5	16.5	18.5	20.6
117.5°	10.3	10.3	10.3	10.3	14.4	16.5	16.5	14.4	14.4	16.5	18.5
120°	10.3	10.3	10.3	10.3	12.3	14.4	14.4	14.4	14.4	14.4	16.5
122.5°	10.3	10.3	10.3	10.3	12.3	12.3	12.3	12.3	12.3	12.3	14.4
125°	10.3	10.3	10.3	10.3	12.3	12.3	12.3	10.3	10.3	12.3	14.4
127.5°	12.3	12.3	10.3	10.3	10.3	12.3	10.3	10.3	10.3	10.3	12.3
130°	12.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3
132.5°	12.3	12.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2	10.3	12.3
135°	10.3	12.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2	10.3
137.5°	10.3	10.3	10.3	8.2	8.2	8.2	6.2	6.2	6.2	8.2	8.2
140°	10.3	10.3	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2
142.5°	8.2	8.2	8.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2
145°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	6.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1
150°	6.2	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	177.0	174.9	172.9	172.9	170.8	168.7	166.7	166.7	166.7	166.7	166.7
5°	179.0	177.0	172.9	168.7	164.6	160.5	158.5	154.3	154.3	154.3	152.3
7.5°	185.2	181.1	174.9	166.7	160.5	154.3	148.2	146.1	144.1	142.0	142.0
10°	195.5	191.4	181.1	170.8	160.5	152.3	144.1	137.9	133.8	133.8	133.8
12.5°	216.1	209.9	195.5	179.0	164.6	152.3	142.0	135.8	133.8	133.8	135.8
15°	249.0	240.8	220.2	199.6	177.0	158.5	150.2	150.2	152.3	154.3	154.3
17.5°	288.1	277.8	255.2	226.4	199.6	181.1	172.9	174.9	179.0	181.1	181.1
20°	343.7	325.1	302.5	263.4	228.4	212.0	201.7	199.6	209.9	214.0	214.0
22.5°	407.5	397.2	360.1	310.7	269.6	244.9	230.5	226.4	236.7	240.8	240.8
25°	502.1	481.5	438.3	372.5	319.0	277.8	257.2	253.1	267.5	275.8	275.8
27.5°	611.2	580.3	526.8	442.4	368.4	308.7	281.9	281.9	296.3	308.7	310.7
30°	724.4	689.4	625.6	520.6	417.8	333.4	300.5	302.5	316.9	335.4	331.3
32.5°	889.0	839.6	745.0	609.1	463.0	354.0	310.7	319.0	341.6	366.3	362.2
35°	1049.5	998.1	884.9	707.9	502.1	364.2	316.9	335.4	360.1	378.7	378.7
37.5°	1220.3	1156.5	1012.5	794.4	543.3	370.4	321.0	339.6	364.2	376.6	376.6
40°	1333.5	1269.7	1105.1	856.1	559.7	368.4	319.0	337.5	354.0	358.1	354.0
42.5°	1475.5	1380.9	1177.1	884.9	551.5	358.1	312.8	327.2	333.4	331.3	331.3
45°	1644.3	1539.3	1280.0	895.2	526.8	341.6	304.6	314.9	323.1	325.1	325.1
47.5°	1870.6	1749.2	1413.8	911.7	496.0	325.1	300.5	316.9	325.1	319.0	319.0
50°	2132.0	1990.0	1568.1	926.1	465.1	312.8	302.5	323.1	325.1	319.0	316.9
52.5°	2339.8	2185.5	1701.9	942.5	434.2	306.6	310.7	331.3	329.3	319.0	316.9
55°	2615.6	2457.1	1821.2	905.5	405.4	308.7	319.0	339.6	333.4	316.9	316.9
57.5°	2940.7	2749.4	1979.7	884.9	372.5	314.9	329.3	347.8	337.5	323.1	321.0
60°	2992.2	2807.0	1975.6	833.5	347.8	319.0	337.5	356.0	347.8	337.5	337.5
62.5°	3167.1	2967.5	1942.7	742.9	329.3	319.0	343.7	366.3	368.4	362.2	360.1
65°	3144.5	2926.3	1858.3	652.4	312.8	314.9	347.8	378.7	380.7	382.8	382.8
67.5°	3062.2	2833.7	1712.2	572.1	294.3	308.7	347.8	376.6	386.9	395.1	395.1
70°	2811.1	2603.2	1527.0	491.8	275.8	292.2	331.3	364.2	374.5	384.8	386.9
72.5°	2352.2	2158.7	1253.3	417.8	251.1	267.5	302.5	333.4	345.7	354.0	351.9
75°	1961.2	1804.8	1018.7	331.3	224.3	236.7	265.5	292.2	300.5	306.6	306.6
77.5°	1619.6	1479.6	802.6	271.6	195.5	205.8	228.4	249.0	257.2	259.3	255.2
80°	1352.0	1187.4	629.7	220.2	166.7	172.9	195.5	212.0	220.2	216.1	218.1
82.5°	1045.4	909.6	477.4	185.2	146.1	148.2	164.6	179.0	185.2	181.1	179.0
85°	710.0	617.4	343.7	160.5	127.6	125.5	135.8	148.2	152.3	150.2	148.2
87.5°	469.2	407.5	249.0	137.9	111.1	109.1	115.2	125.5	129.6	127.6	123.5
90°	296.3	269.6	179.0	117.3	96.7	92.6	96.7	102.9	109.1	107.0	105.0
92.5°	189.3	170.8	131.7	96.7	82.3	78.2	78.2	82.3	86.4	82.3	78.2
95°	127.6	123.5	100.8	78.2	67.9	63.8	61.7	61.7	65.9	61.7	59.7
97.5°	98.8	94.7	82.3	61.7	53.5	51.4	49.4	49.4	53.5	49.4	47.3
100°	76.1	76.1	65.9	51.4	41.2	41.2	41.2	43.2	45.3	43.2	43.2
102.5°	59.7	59.7	55.6	43.2	35.0	35.0	35.0	37.0	41.2	39.1	39.1
105°	45.3	47.3	45.3	35.0	30.9	30.9	30.9	32.9	35.0	35.0	35.0
107.5°	37.0	39.1	37.0	30.9	26.8	26.8	26.8	28.8	30.9	32.9	32.9
110°	30.9	32.9	30.9	26.8	24.7	24.7	24.7	24.7	28.8	28.8	30.9

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 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.7	26.8	26.8	22.6	22.6	22.6	20.6	22.6	24.7	26.8	26.8
115°	22.6	22.6	22.6	20.6	20.6	20.6	18.5	18.5	22.6	24.7	24.7
117.5°	20.6	20.6	20.6	18.5	18.5	18.5	16.5	16.5	18.5	22.6	22.6
120°	18.5	18.5	18.5	16.5	16.5	16.5	14.4	14.4	16.5	20.6	20.6
122.5°	16.5	16.5	16.5	14.4	14.4	14.4	14.4	14.4	16.5	18.5	18.5
125°	14.4	14.4	14.4	14.4	14.4	12.3	12.3	12.3	14.4	16.5	16.5
127.5°	14.4	14.4	14.4	12.3	12.3	12.3	12.3	12.3	12.3	14.4	16.5
130°	12.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3	12.3	14.4	14.4
132.5°	12.3	12.3	12.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3	14.4
135°	10.3	12.3	10.3	10.3	10.3	8.2	8.2	8.2	10.3	12.3	12.3
137.5°	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3	10.3
140°	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2	10.3	10.3
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	8.2	8.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2
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)