

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: P695351

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5186 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

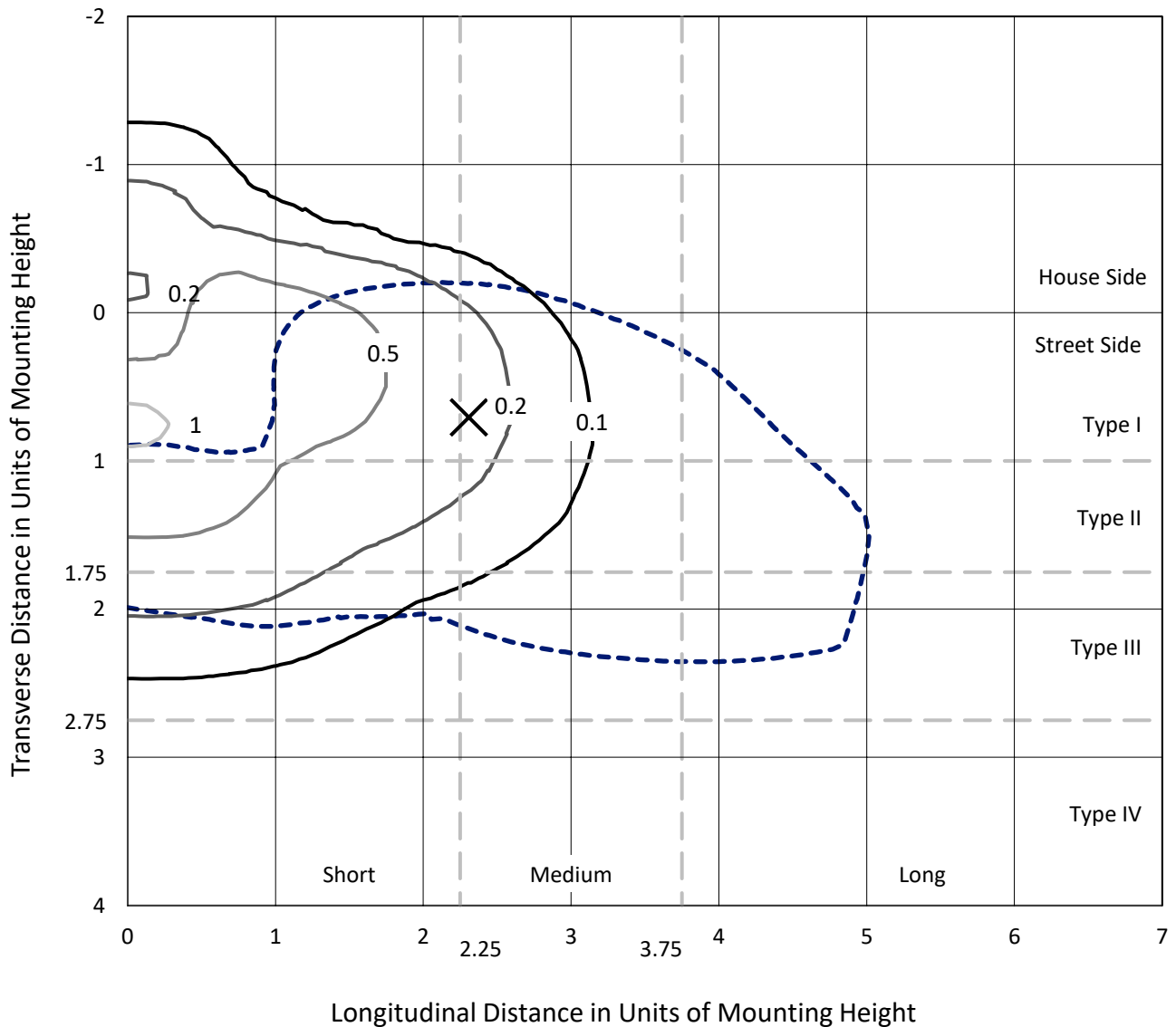
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

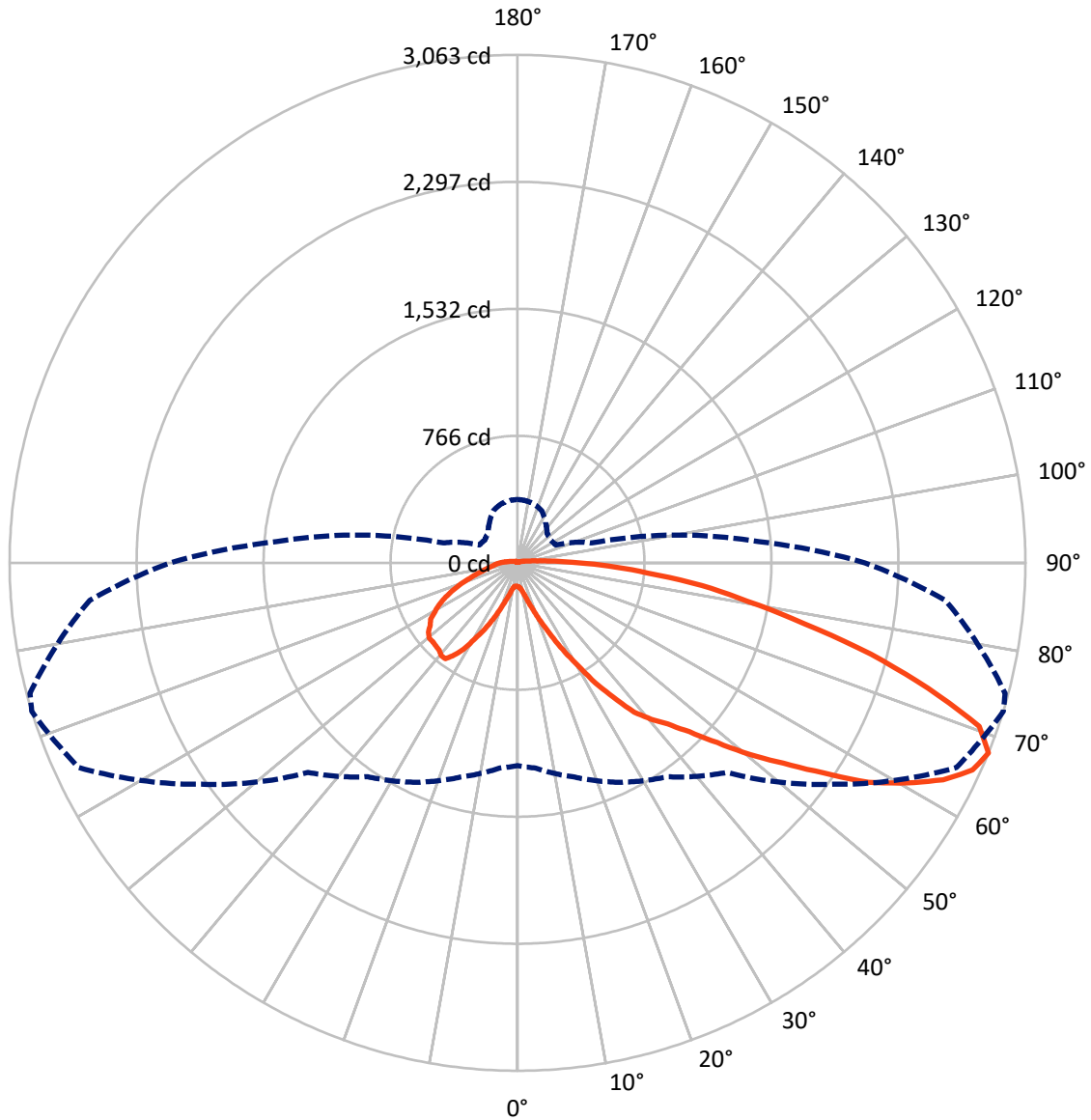
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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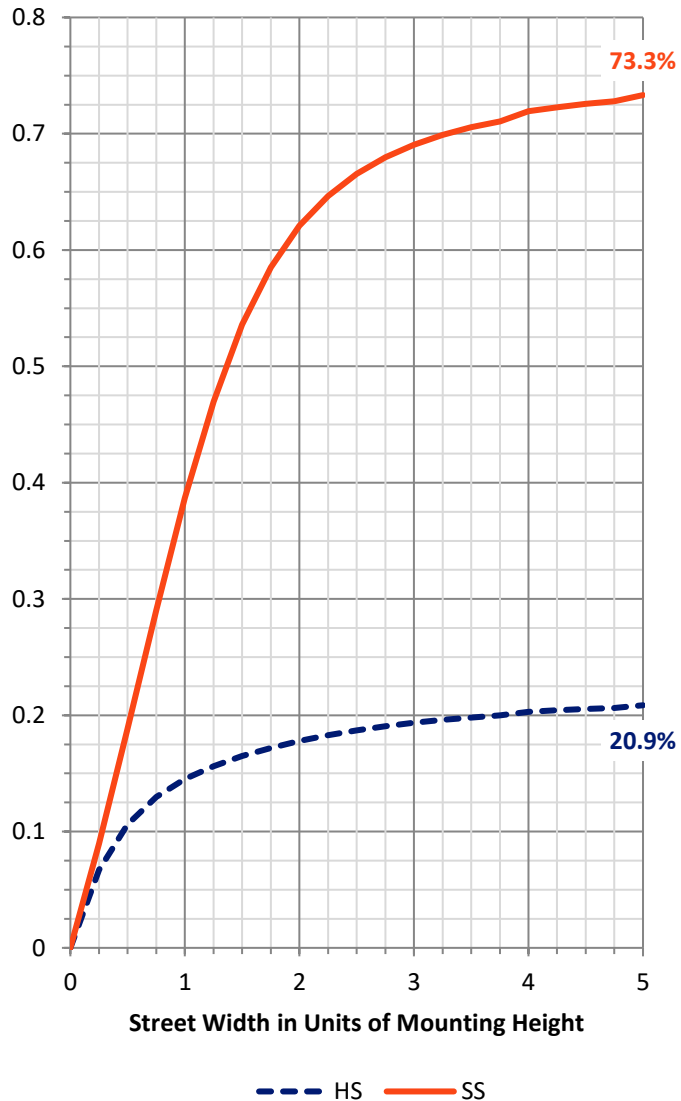
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1134.9	84.8	1219.7
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	3879.5	86.9	3966.3
	% Fixture	74.8	1.7	76.5
Total	Lumens	5014.3	171.7	5186.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.3
10°-20°	63.7	1.2
20°-30°	196.2	3.8
30°-40°	451.7	8.7
40°-50°	731.9	14.1
50°-60°	1085.7	20.9
60°-70°	1264.1	24.4
70°-80°	868.3	16.7
80°-90°	338.3	6.5
90°-100°	96.0	1.9
100°-110°	35.1	0.7
110°-120°	18.1	0.3
120°-130°	11.3	0.2
130°-140°	7.5	0.1
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5014.3	96.7
0°-180°	5186.0	100.0

Coefficient of Utilization

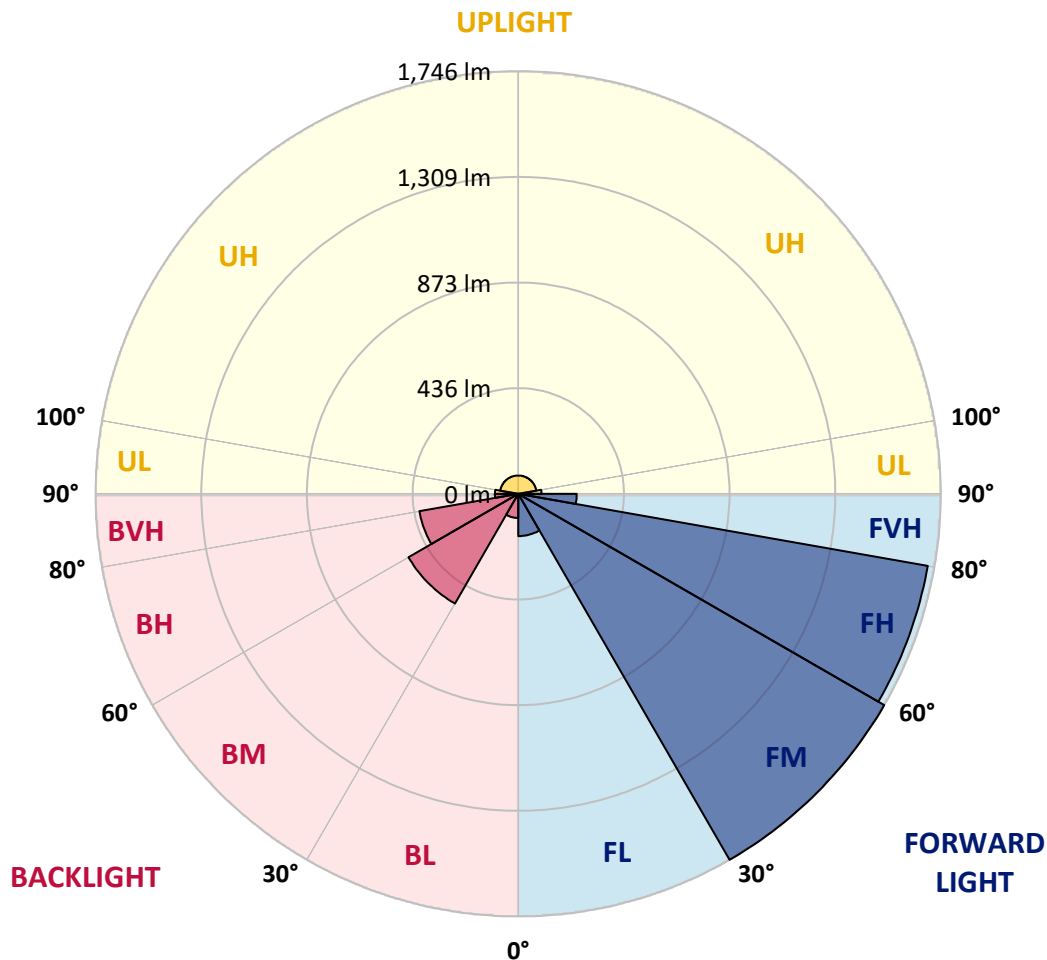


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.6	3.4			
FM (30°-60°)	1745.8	33.7			
FH (60°-80°)	1717.7	33.1			G1/1800
FVH (80°-90°)	241.3	4.7			G3/500
BL (0°-30°)	99.8	1.9	B0/110		
BM (30°-60°)	523.4	10.1	B1/1000		
BH (60°-80°)	414.7	8.0	B1/500		G1/500
BVH (80°-90°)	97.0	1.9			G1/100
UL (90°-100°)	96.0	1.9		U3/500	
UH (100°-180°)	75.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	150.3	152.2	152.2	152.2	152.2	150.3	148.5	146.6	146.6	144.7	142.8
5°	169.1	169.1	167.2	167.2	165.4	163.5	159.7	156.0	152.2	152.2	148.5
7.5°	186.0	187.9	187.9	184.2	182.3	178.5	172.9	167.2	163.5	161.6	156.0
10°	212.4	214.2	212.4	208.6	204.8	199.2	191.7	186.0	180.4	176.6	171.0
12.5°	248.1	248.1	246.2	238.7	231.1	225.5	218.0	212.4	204.8	204.8	197.3
15°	291.3	293.2	287.5	281.9	270.6	261.2	251.8	248.1	244.3	244.3	234.9
17.5°	345.8	347.7	340.1	325.1	311.9	304.4	298.8	293.2	289.4	289.4	280.0
20°	426.6	415.3	413.4	381.5	366.4	355.2	351.4	347.7	349.5	345.8	340.1
22.5°	516.8	509.3	498.0	460.4	432.2	415.3	409.7	411.5	417.2	417.2	415.3
25°	623.9	625.8	597.6	550.6	507.4	483.0	481.1	499.9	505.5	509.3	507.4
27.5°	746.0	753.6	708.5	657.7	597.6	556.2	560.0	592.0	610.7	612.6	610.7
30°	903.9	907.7	851.3	772.4	687.8	640.8	652.1	697.2	717.9	725.4	729.1
32.5°	1084.3	1084.3	1020.4	917.1	791.1	725.4	736.7	815.6	864.4	862.6	873.8
35°	1257.2	1244.0	1189.5	1058.0	905.8	815.6	843.8	934.0	994.1	1005.4	999.7
37.5°	1377.5	1386.9	1336.1	1208.3	1022.3	909.5	949.0	1063.6	1142.6	1142.6	1127.5
40°	1456.4	1467.7	1420.7	1311.7	1136.9	1012.9	1056.1	1180.1	1240.3	1244.0	1189.5
42.5°	1541.0	1550.3	1518.4	1405.6	1232.8	1110.6	1150.1	1268.5	1328.6	1326.7	1270.3
45°	1634.9	1648.1	1633.0	1518.4	1328.6	1202.7	1236.5	1373.7	1452.6	1465.8	1392.5
47.5°	1749.5	1758.9	1742.0	1629.3	1435.7	1296.7	1349.3	1516.5	1619.9	1621.8	1537.2
50°	1813.4	1832.2	1858.5	1770.2	1557.9	1401.9	1482.7	1696.9	1817.2	1839.7	1727.0
52.5°	1852.9	1873.6	1916.8	1898.0	1712.0	1541.0	1661.2	1903.6	2007.0	2038.9	1875.5
55°	1918.7	1941.2	1988.2	1961.9	1832.2	1700.7	1828.5	2114.1	2234.4	2249.4	2104.7
57.5°	1826.6	1849.1	1976.9	2027.7	1914.9	1839.7	2007.0	2349.0	2497.5	2520.0	2318.9
60°	1743.9	1758.9	1843.5	1988.2	1963.8	1939.3	2198.7	2574.5	2696.7	2704.2	2446.7
62.5°	1589.8	1623.6	1721.4	1839.7	1905.5	1975.0	2337.7	2753.0	2880.8	2894.0	2572.6
65°	1375.6	1400.0	1509.0	1678.1	1757.1	1916.8	2396.0	2897.7	3014.3	3006.7	2634.7
67.5°	1223.4	1242.2	1338.0	1460.1	1574.8	1787.1	2328.3	2920.3	3063.1	3044.3	2589.6
70°	960.3	982.8	1091.8	1283.5	1373.7	1584.2	2168.6	2830.1	2954.1	2937.2	2384.7
72.5°	764.8	785.5	888.9	1050.5	1202.7	1371.8	1956.3	2542.6	2591.4	2548.2	2008.9
75°	560.0	588.2	657.7	804.3	986.6	1185.8	1648.1	2161.1	2200.6	2159.2	1631.2
77.5°	387.1	389.0	451.0	590.1	747.9	999.7	1368.1	1794.6	1768.3	1725.1	1247.8
80°	248.1	251.8	291.3	381.5	543.1	755.4	1105.0	1430.1	1405.6	1386.9	956.5
82.5°	159.7	154.1	187.9	249.9	368.3	548.7	858.8	1146.3	1120.0	1074.9	723.5
85°	101.5	105.2	124.0	163.5	251.8	400.3	640.8	821.2	787.4	746.0	494.2
87.5°	77.0	78.9	90.2	116.5	171.0	281.9	437.9	571.3	548.7	509.3	332.6
90°	58.3	60.1	67.7	84.6	118.4	191.7	291.3	358.9	332.6	311.9	214.2
92.5°	41.3	43.2	50.7	63.9	88.3	133.4	187.9	210.5	195.4	187.9	139.1
95°	30.1	31.9	37.6	47.0	65.8	92.1	118.4	127.8	118.4	114.6	97.7
97.5°	24.4	26.3	28.2	35.7	50.7	67.7	80.8	82.7	80.8	77.0	73.3
100°	20.7	20.7	24.4	28.2	39.5	54.5	60.1	60.1	60.1	60.1	56.4
102.5°	16.9	16.9	20.7	24.4	31.9	43.2	47.0	47.0	45.1	47.0	45.1
105°	15.0	15.0	16.9	20.7	28.2	35.7	37.6	35.7	35.7	35.7	35.7
107.5°	13.2	13.2	15.0	18.8	24.4	30.1	31.9	30.1	28.2	28.2	30.1
110°	11.3	11.3	13.2	15.0	20.7	26.3	26.3	22.6	22.6	22.6	24.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	11.3	11.3	13.2	15.0	18.8	22.6	20.7	18.8	18.8	18.8	20.7
115°	11.3	11.3	11.3	13.2	16.9	18.8	18.8	16.9	15.0	16.9	18.8
117.5°	11.3	11.3	11.3	13.2	15.0	16.9	16.9	15.0	13.2	15.0	16.9
120°	11.3	11.3	11.3	13.2	15.0	15.0	15.0	13.2	13.2	13.2	15.0
122.5°	9.4	9.4	11.3	11.3	13.2	13.2	13.2	11.3	11.3	11.3	15.0
125°	9.4	9.4	11.3	11.3	13.2	13.2	11.3	11.3	11.3	11.3	13.2
127.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.4	11.3	11.3	13.2
130°	11.3	11.3	11.3	11.3	11.3	11.3	9.4	9.4	11.3	11.3	13.2
132.5°	11.3	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4	11.3	11.3
135°	11.3	11.3	11.3	11.3	9.4	9.4	7.5	9.4	9.4	9.4	11.3
137.5°	9.4	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4
140°	9.4	7.5	7.5	7.5	7.5	7.5	5.6	5.6	7.5	7.5	9.4
142.5°	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5	7.5
145°	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6
147.5°	5.6	3.8	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	142.8	140.9	140.9	139.1	137.2	137.2	135.3	135.3	135.3	135.3	133.4
5°	146.6	144.7	140.9	137.2	133.4	131.5	129.7	127.8	125.9	125.9	125.9
7.5°	152.2	150.3	144.7	139.1	133.4	127.8	124.0	122.1	120.3	118.4	118.4
10°	167.2	161.6	152.2	142.8	135.3	127.8	122.1	118.4	116.5	114.6	114.6
12.5°	187.9	186.0	171.0	156.0	142.8	131.5	124.0	122.1	120.3	120.3	118.4
15°	227.4	219.9	203.0	178.5	157.9	140.9	135.3	133.4	137.2	137.2	139.1
17.5°	270.6	261.2	238.7	208.6	180.4	161.6	154.1	156.0	159.7	163.5	163.5
20°	327.0	317.6	287.5	244.3	210.5	187.9	178.5	178.5	186.0	191.7	191.7
22.5°	404.0	387.1	343.9	285.6	240.5	214.2	201.1	199.2	208.6	214.2	214.2
25°	494.2	469.8	413.4	336.4	272.5	234.9	219.9	221.7	233.0	242.4	242.4
27.5°	588.2	561.9	483.0	383.4	302.6	249.9	236.8	244.3	259.3	268.7	270.6
30°	702.8	667.1	556.2	430.3	325.1	263.1	249.9	261.2	280.0	293.2	295.0
32.5°	832.5	787.4	648.3	477.3	342.0	270.6	257.5	280.0	302.6	321.3	321.3
35°	956.5	896.4	716.0	513.0	351.4	272.5	265.0	293.2	319.5	336.4	336.4
37.5°	1067.4	990.3	772.4	531.8	351.4	272.5	266.8	298.8	323.2	334.5	332.6
40°	1110.6	1018.5	774.2	522.4	345.8	268.7	265.0	295.0	313.8	317.6	313.8
42.5°	1176.4	1063.6	761.1	490.5	327.0	263.1	259.3	281.9	293.2	293.2	289.4
45°	1277.9	1133.2	763.0	458.5	306.3	251.8	249.9	270.6	283.8	287.5	283.8
47.5°	1401.9	1219.6	764.8	430.3	287.5	242.4	244.3	268.7	281.9	278.1	276.2
50°	1565.4	1334.2	774.2	404.0	276.2	234.9	244.3	270.6	280.0	272.5	268.7
52.5°	1685.7	1401.9	757.3	379.6	268.7	233.0	248.1	274.4	280.0	268.7	268.7
55°	1862.3	1495.9	721.6	347.7	261.2	234.9	251.8	278.1	280.0	270.6	268.7
57.5°	2018.3	1580.4	700.9	319.5	253.7	238.7	257.5	283.8	287.5	281.9	280.0
60°	2089.7	1601.1	646.4	300.7	248.1	242.4	265.0	293.2	306.3	302.6	304.4
62.5°	2176.1	1604.8	593.8	283.8	246.2	246.2	274.4	311.9	328.9	328.9	330.7
65°	2170.5	1556.0	531.8	268.7	244.3	249.9	285.6	328.9	349.5	355.2	357.0
67.5°	2095.3	1460.1	464.2	253.7	240.5	251.8	295.0	345.8	370.2	379.6	381.5
70°	1862.3	1281.6	396.5	240.5	233.0	248.1	296.9	355.2	379.6	389.0	390.9
72.5°	1527.8	1016.7	323.2	221.7	219.9	236.8	289.4	349.5	368.3	372.1	375.8
75°	1219.6	806.2	268.7	201.1	201.1	218.0	268.7	321.3	334.5	338.3	332.6
77.5°	913.3	610.7	223.6	182.3	182.3	199.2	242.4	283.8	295.0	293.2	295.0
80°	691.5	462.3	189.8	163.5	163.5	176.6	216.1	251.8	261.2	257.5	255.6
82.5°	518.7	345.8	165.4	146.6	146.6	157.9	187.9	218.0	225.5	225.5	219.9
85°	355.2	248.1	144.7	129.7	129.7	139.1	161.6	184.2	195.4	193.6	189.8
87.5°	248.1	187.9	127.8	116.5	114.6	122.1	139.1	159.7	172.9	174.8	171.0
90°	171.0	140.9	110.9	99.6	99.6	105.2	120.3	137.2	150.3	152.2	148.5
92.5°	120.3	107.1	92.1	84.6	82.7	90.2	99.6	110.9	118.4	118.4	120.3
95°	88.3	82.7	73.3	65.8	65.8	73.3	78.9	80.8	86.4	86.4	84.6
97.5°	67.7	65.8	60.1	52.6	50.7	58.3	60.1	62.0	65.8	63.9	62.0
100°	56.4	54.5	48.9	43.2	41.3	47.0	48.9	50.7	54.5	50.7	50.7
102.5°	45.1	45.1	41.3	35.7	35.7	39.5	41.3	43.2	45.1	43.2	41.3
105°	37.6	37.6	35.7	31.9	30.1	33.8	35.7	35.7	37.6	35.7	35.7
107.5°	30.1	31.9	30.1	26.3	26.3	28.2	30.1	30.1	30.1	30.1	30.1
110°	26.3	26.3	26.3	22.6	24.4	26.3	26.3	26.3	26.3	26.3	26.3

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	22.6	22.6	20.7	20.7	22.6	22.6	22.6	22.6	22.6	22.6
115°	20.7	20.7	20.7	18.8	18.8	20.7	18.8	18.8	18.8	20.7	20.7
117.5°	18.8	18.8	18.8	16.9	16.9	16.9	16.9	16.9	16.9	18.8	18.8
120°	16.9	16.9	16.9	15.0	15.0	15.0	15.0	15.0	15.0	16.9	16.9
122.5°	15.0	15.0	15.0	15.0	13.2	15.0	13.2	13.2	13.2	15.0	15.0
125°	13.2	15.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	15.0
127.5°	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3	11.3	13.2	13.2
130°	13.2	13.2	13.2	11.3	11.3	11.3	9.4	9.4	11.3	11.3	13.2
132.5°	13.2	13.2	11.3	11.3	9.4	9.4	9.4	9.4	11.3	11.3	11.3
135°	11.3	11.3	11.3	9.4	9.4	9.4	7.5	9.4	9.4	11.3	11.3
137.5°	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4	9.4
140°	9.4	9.4	7.5	7.5	7.5	5.6	5.6	7.5	7.5	9.4	9.4
142.5°	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5	7.5	7.5
145°	5.6	5.6	5.6	5.6	3.8	3.8	5.6	5.6	5.6	7.5	7.5
147.5°	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	5.6
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)