

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: P695599

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695599
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-PA16-60-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA 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: 5412 lumens
Efficiency: N/A
Efficacy: 87.3 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

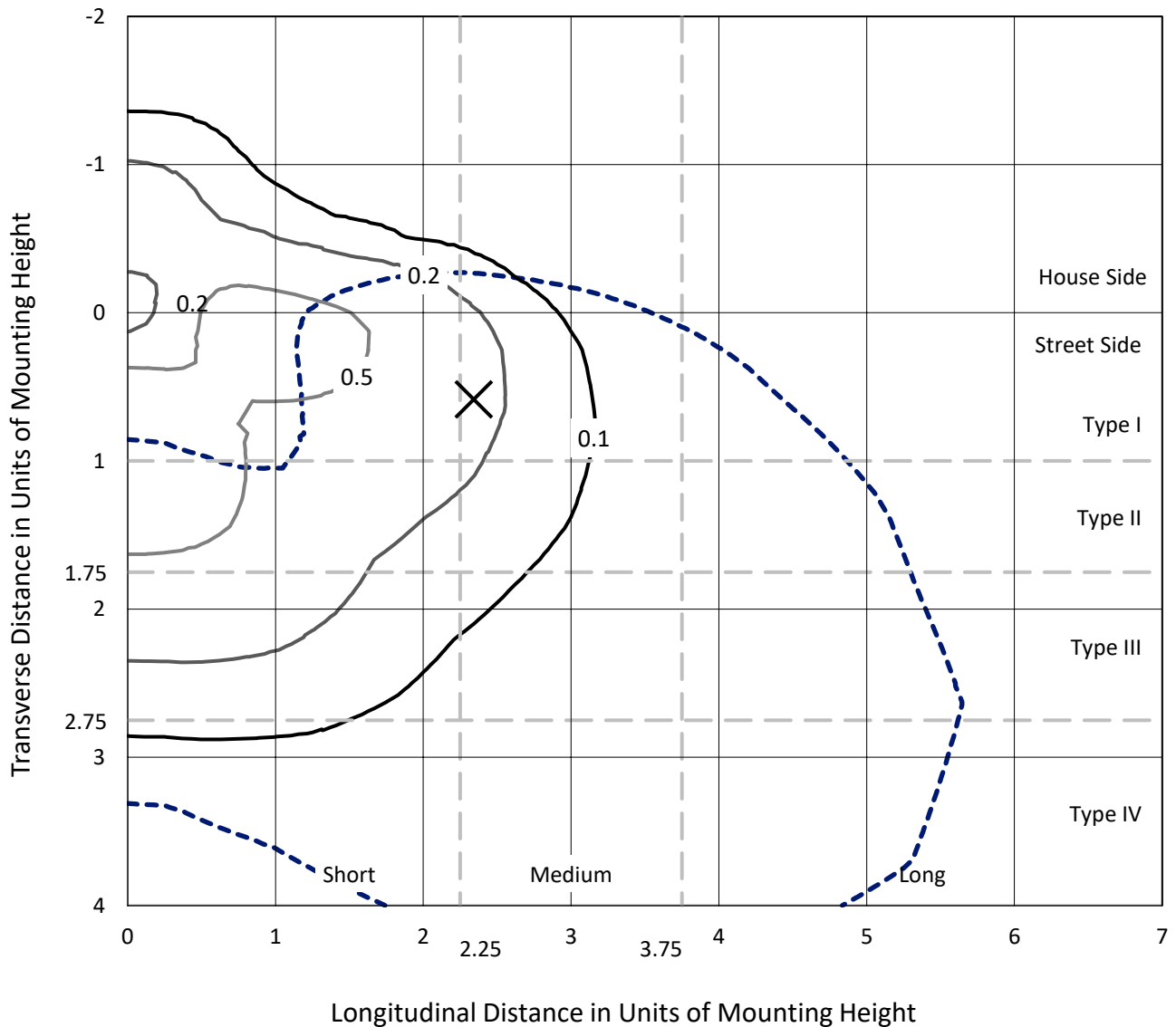
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

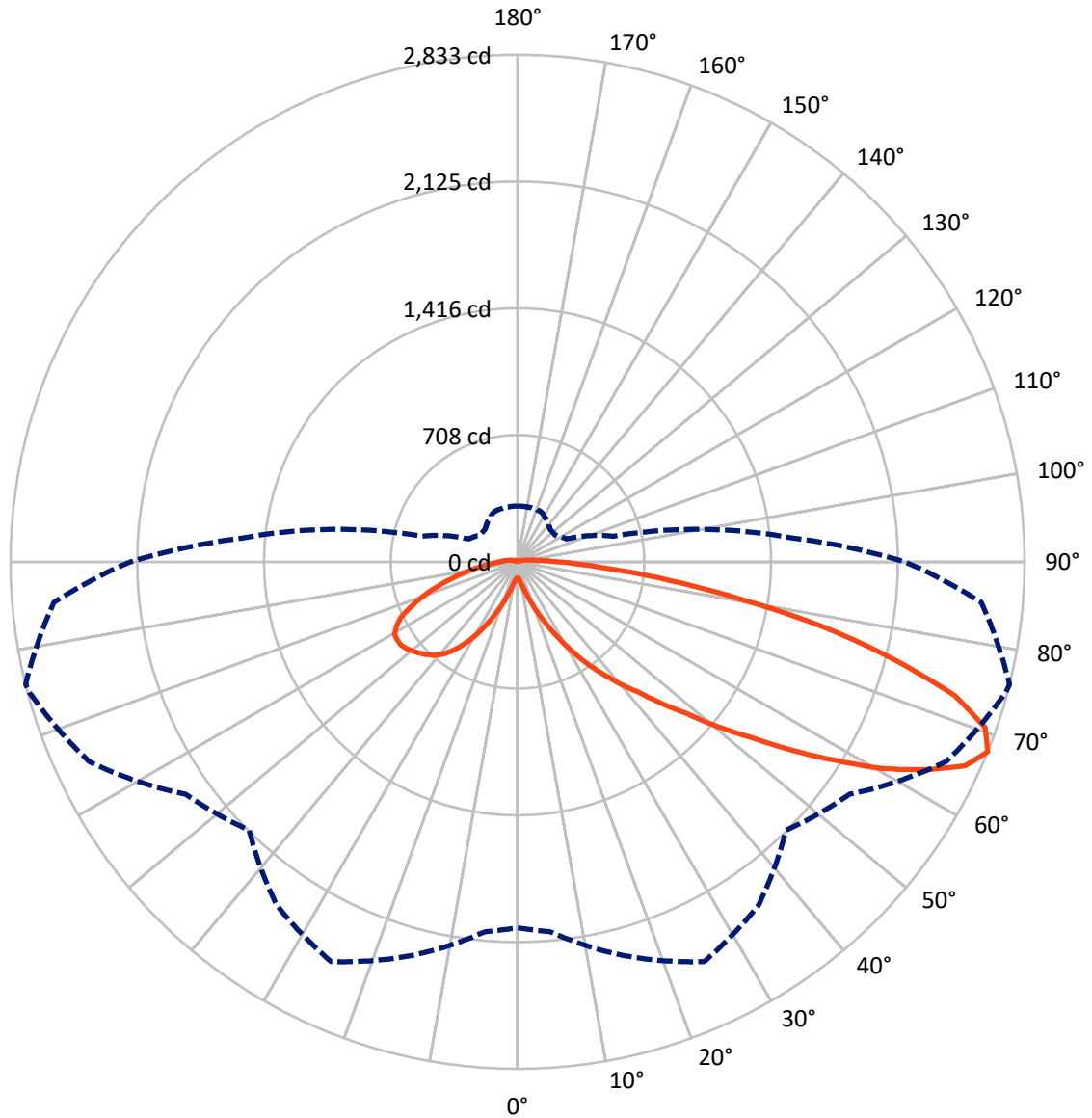
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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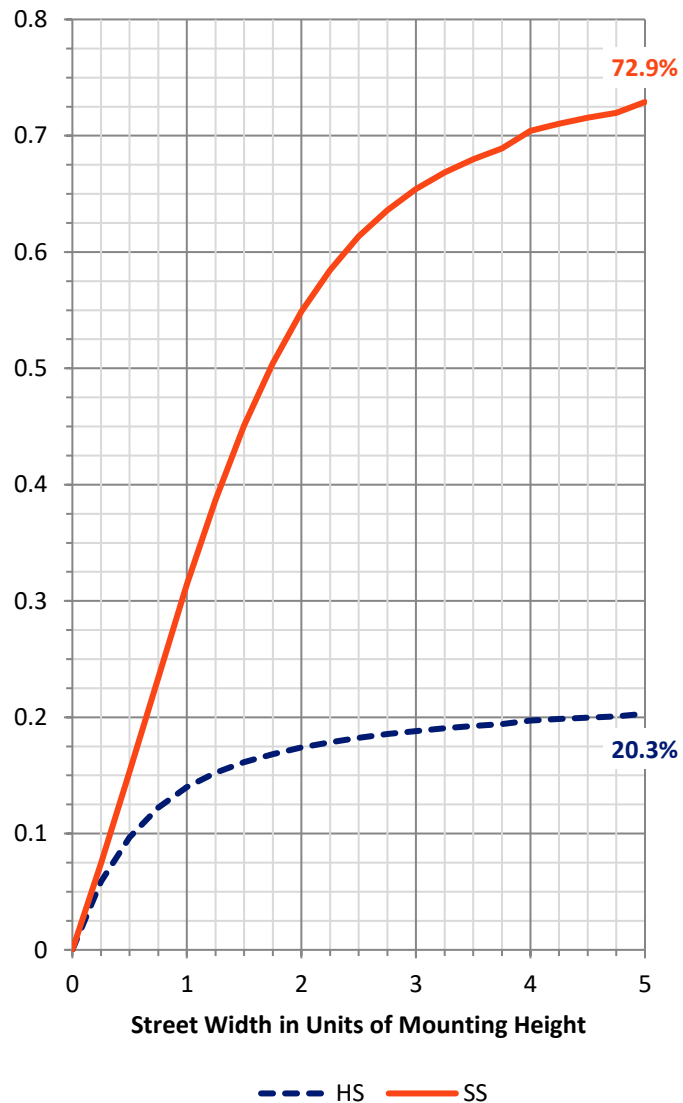
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.0	93.5	1252.5
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	4065.1	94.5	4159.5
	% Fixture	75.1	1.7	76.9
Total	Lumens	5224.1	187.9	5412.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	53.4	1.0
20°-30°	168.9	3.1
30°-40°	376.5	7.0
40°-50°	646.1	11.9
50°-60°	1007.9	18.6
60°-70°	1380.0	25.5
70°-80°	1156.6	21.4
80°-90°	424.4	7.8
90°-100°	106.9	2.0
100°-110°	40.7	0.8
110°-120°	19.5	0.4
120°-130°	11.0	0.2
130°-140°	6.4	0.1
140°-150°	3.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5224.1	96.5
0°-180°	5412.0	100.0

Coefficient of Utilization



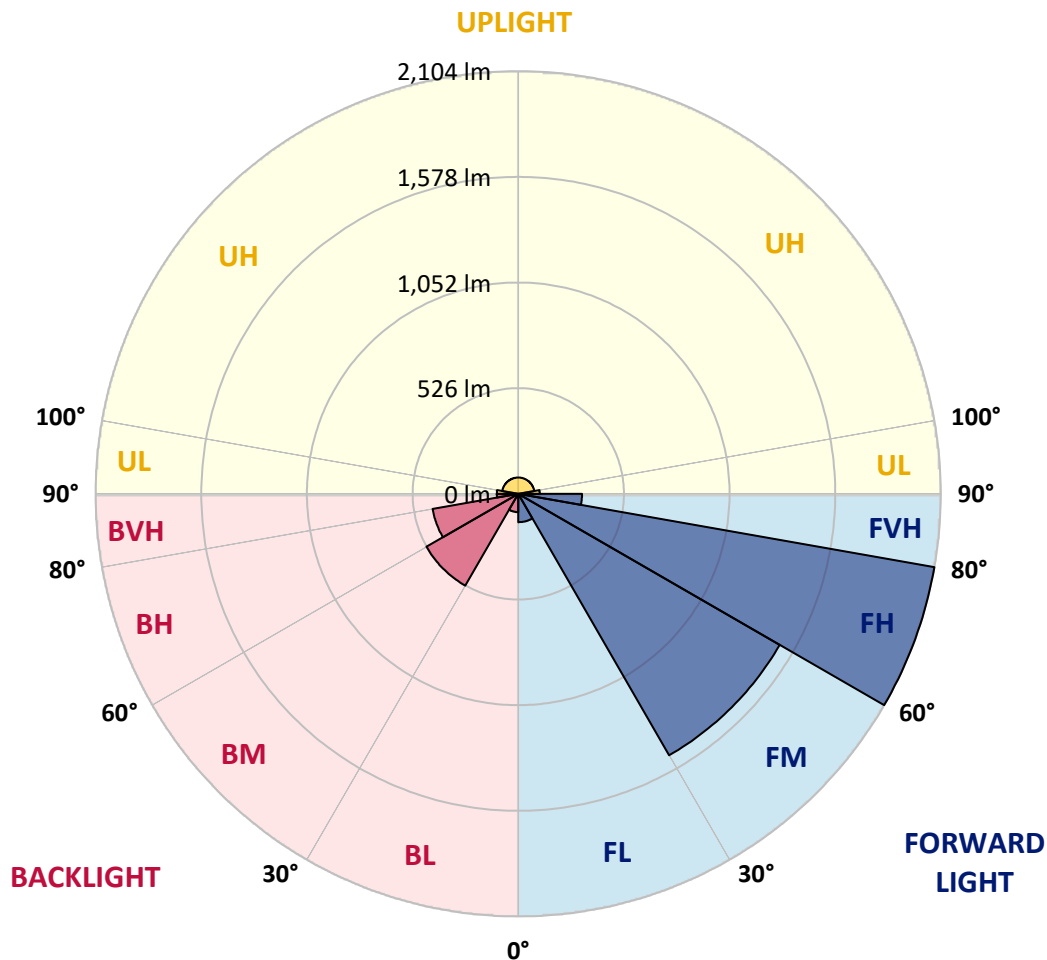
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.3	2.6			
FM (30°-60°)	1502.8	27.8			
FH (60°-80°)	2103.7	38.9			G2/5000
FVH (80°-90°)	317.3	5.9			G3/500
BL (0°-30°)	91.3	1.7	B0/110		
BM (30°-60°)	527.7	9.8	B1/1000		
BH (60°-80°)	432.9	8.0	B1/500		G1/500
BVH (80°-90°)	107.1	2.0			G2/225
UL (90°-100°)	106.9	2.0		U3/500	
UH (100°-180°)	81.0	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°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5°	95.9	95.9	95.9	95.9	97.8	95.9	95.9	93.9	93.9	91.9	91.9
5°	109.6	109.6	109.6	109.6	109.6	107.6	105.6	103.7	101.7	99.8	99.8
7.5°	129.1	129.1	129.1	127.2	125.2	123.2	121.3	117.4	113.5	113.5	109.6
10°	156.5	156.5	156.5	154.5	148.7	144.8	140.9	135.0	133.0	131.1	127.2
12.5°	193.7	193.7	189.8	185.9	178.0	172.2	166.3	160.4	158.5	156.5	150.6
15°	240.6	238.7	234.8	223.0	215.2	205.4	199.5	193.7	187.8	187.8	185.9
17.5°	297.4	295.4	285.6	270.0	258.2	242.6	234.8	230.8	230.8	228.9	225.0
20°	365.8	365.8	352.1	328.7	305.2	285.6	279.8	277.8	277.8	279.8	273.9
22.5°	453.9	451.9	432.3	393.2	360.0	334.5	328.7	328.7	334.5	334.5	332.6
25°	551.7	549.7	514.5	471.5	418.7	391.3	377.6	387.4	401.0	403.0	405.0
27.5°	671.0	663.2	622.1	555.6	487.1	444.1	434.3	450.0	477.3	475.4	479.3
30°	794.3	790.4	733.6	651.5	559.5	500.8	493.0	522.3	553.6	555.6	565.4
32.5°	939.0	917.5	864.7	755.1	633.8	561.5	549.7	592.8	639.7	643.6	653.4
35°	1083.8	1081.8	995.8	866.6	712.1	618.2	608.4	659.3	725.8	727.8	741.4
37.5°	1230.5	1222.7	1140.5	976.2	798.2	682.8	667.1	733.6	808.0	811.9	831.4
40°	1385.1	1375.3	1287.3	1093.6	888.2	753.2	735.6	813.8	899.9	907.7	931.2
42.5°	1520.1	1518.1	1434.0	1222.7	976.2	821.7	809.9	894.0	995.8	999.7	1034.9
45°	1668.7	1643.3	1565.1	1351.8	1085.8	905.8	894.0	997.7	1113.1	1128.8	1158.1
47.5°	1786.1	1774.4	1702.0	1492.7	1197.3	997.7	986.0	1109.2	1250.1	1263.8	1289.2
50°	1905.5	1891.8	1827.2	1625.7	1318.6	1105.3	1103.4	1250.1	1422.2	1443.8	1471.2
52.5°	2003.3	1995.4	1956.3	1768.5	1447.7	1212.9	1234.4	1416.4	1612.0	1627.7	1655.0
55°	2095.2	2089.3	2081.5	1927.0	1602.2	1355.7	1373.3	1602.2	1827.2	1856.5	1899.6
57.5°	2163.7	2173.5	2189.1	2081.5	1764.6	1498.5	1535.7	1829.2	2065.9	2093.3	2136.3
60°	2210.6	2226.3	2283.0	2236.1	1934.8	1657.0	1735.3	2038.5	2314.3	2345.6	2367.1
62.5°	2216.5	2241.9	2357.4	2367.1	2095.2	1823.3	1911.3	2261.5	2551.0	2556.9	2531.5
65°	2171.5	2191.1	2353.4	2447.4	2238.0	1985.7	2105.0	2490.4	2733.0	2746.7	2629.3
67.5°	2044.4	2073.7	2277.2	2465.0	2343.7	2120.6	2263.5	2641.0	2823.0	2832.7	2599.9
70°	1807.6	1860.5	2103.0	2363.2	2365.2	2195.0	2367.1	2705.6	2781.9	2770.1	2423.9
72.5°	1522.0	1535.7	1803.7	2151.9	2283.0	2193.0	2355.4	2627.3	2572.6	2551.0	2095.2
75°	1113.1	1150.3	1400.7	1825.2	2087.4	2063.9	2216.5	2394.5	2206.7	2167.6	1707.9
77.5°	753.2	792.3	989.9	1400.7	1756.8	1833.1	1962.2	2015.0	1776.3	1743.1	1252.0
80°	473.4	500.8	639.7	978.2	1377.2	1496.6	1594.4	1561.1	1289.2	1257.9	890.1
82.5°	264.1	277.8	391.3	637.8	970.3	1138.6	1214.9	1132.7	888.2	853.0	577.1
85°	138.9	156.5	221.1	387.4	647.5	809.9	870.6	749.3	545.8	534.1	360.0
87.5°	76.3	84.1	127.2	232.8	401.0	549.7	577.1	471.5	338.4	322.8	228.9
90°	47.0	50.9	74.3	138.9	248.5	344.3	361.9	295.4	211.3	207.4	152.6
92.5°	31.3	33.3	50.9	90.0	156.5	221.1	232.8	183.9	138.9	135.0	109.6
95°	23.5	25.4	39.1	64.6	107.6	150.6	148.7	125.2	93.9	91.9	80.2
97.5°	19.6	21.5	33.3	50.9	78.3	101.7	101.7	82.2	68.5	68.5	62.6
100°	17.6	17.6	27.4	41.1	58.7	74.3	74.3	60.6	50.9	50.9	47.0
102.5°	15.7	15.7	23.5	35.2	47.0	58.7	56.7	47.0	39.1	39.1	37.2
105°	13.7	13.7	21.5	29.3	39.1	47.0	45.0	37.2	31.3	29.3	27.4
107.5°	11.7	11.7	17.6	25.4	35.2	39.1	37.2	31.3	23.5	23.5	21.5
110°	11.7	11.7	15.7	23.5	29.3	33.3	31.3	25.4	19.6	19.6	17.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	9.8	9.8	13.7	19.6	25.4	29.3	27.4	21.5	15.7	15.7	15.7
115°	9.8	9.8	11.7	17.6	21.5	25.4	23.5	17.6	13.7	13.7	13.7
117.5°	9.8	9.8	11.7	15.7	19.6	21.5	19.6	15.7	11.7	11.7	11.7
120°	7.8	7.8	9.8	13.7	17.6	19.6	17.6	13.7	9.8	9.8	11.7
122.5°	7.8	7.8	9.8	11.7	15.7	17.6	15.7	11.7	9.8	9.8	9.8
125°	7.8	7.8	9.8	11.7	13.7	15.7	13.7	9.8	9.8	9.8	9.8
127.5°	7.8	7.8	7.8	9.8	11.7	13.7	11.7	9.8	7.8	7.8	9.8
130°	7.8	7.8	7.8	9.8	11.7	11.7	9.8	7.8	7.8	7.8	9.8
132.5°	7.8	7.8	7.8	7.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	5.9	5.9	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8
140°	5.9	5.9	5.9	5.9	7.8	7.8	5.9	5.9	5.9	5.9	5.9
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	3.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5°	91.9	90.0	90.0	90.0	90.0	88.0	88.0	88.0	88.0	86.1	88.0
5°	97.8	97.8	95.9	91.9	91.9	90.0	90.0	88.0	88.0	86.1	86.1
7.5°	109.6	107.6	103.7	101.7	97.8	95.9	93.9	91.9	91.9	90.0	90.0
10°	125.2	123.2	117.4	113.5	109.6	105.6	103.7	101.7	99.8	97.8	97.8
12.5°	148.7	144.8	138.9	129.1	125.2	119.3	115.4	113.5	113.5	113.5	111.5
15°	181.9	176.1	166.3	154.5	142.8	135.0	133.0	133.0	133.0	135.0	135.0
17.5°	221.1	213.2	201.5	181.9	166.3	156.5	154.5	154.5	156.5	160.4	160.4
20°	270.0	260.2	242.6	217.2	193.7	180.0	176.1	180.0	187.8	189.8	189.8
22.5°	326.7	318.9	289.5	252.4	223.0	205.4	201.5	205.4	215.2	223.0	225.0
25°	395.2	383.4	342.4	293.4	252.4	230.8	225.0	234.8	248.5	260.2	260.2
27.5°	471.5	457.8	401.0	336.5	281.7	252.4	246.5	260.2	283.7	297.4	299.3
30°	553.6	532.1	457.8	377.6	307.1	271.9	268.0	287.6	315.0	332.6	334.5
32.5°	643.6	608.4	516.5	414.7	330.6	285.6	283.7	309.1	342.4	363.9	365.8
35°	727.8	688.6	569.3	442.1	346.3	295.4	295.4	324.7	363.9	385.4	387.4
37.5°	809.9	759.1	614.3	463.6	354.1	299.3	301.3	336.5	375.6	397.1	399.1
40°	899.9	835.3	653.4	473.4	356.0	301.3	305.2	342.4	377.6	399.1	399.1
42.5°	993.8	915.6	678.8	473.4	352.1	299.3	303.2	340.4	373.7	389.3	391.3
45°	1103.4	1001.6	696.4	465.6	344.3	293.4	299.3	336.5	361.9	369.7	371.7
47.5°	1228.6	1091.6	710.1	453.9	334.5	287.6	295.4	326.7	348.2	348.2	348.2
50°	1387.0	1193.4	721.9	434.3	322.8	281.7	289.5	318.9	330.6	326.7	326.7
52.5°	1559.2	1304.9	729.7	414.7	311.1	273.9	283.7	311.1	316.9	307.1	307.1
55°	1750.9	1435.9	729.7	395.2	299.3	268.0	279.8	303.2	305.2	295.4	291.5
57.5°	1934.8	1539.6	719.9	373.7	287.6	262.1	275.8	299.3	299.3	289.5	287.6
60°	2099.1	1635.5	704.3	354.1	279.8	258.2	275.8	297.4	297.4	289.5	289.5
62.5°	2216.5	1666.8	665.1	336.5	271.9	258.2	277.8	299.3	301.3	297.4	295.4
65°	2245.9	1651.1	620.2	316.9	264.1	256.3	281.7	305.2	307.1	305.2	305.2
67.5°	2163.7	1535.7	551.7	301.3	258.2	256.3	283.7	309.1	311.1	311.1	311.1
70°	1950.4	1363.6	489.1	283.7	252.4	254.3	287.6	313.0	313.0	313.0	313.0
72.5°	1649.2	1144.4	424.5	268.0	242.6	250.4	287.6	311.1	311.1	309.1	309.1
75°	1302.9	905.8	363.9	252.4	230.8	242.6	283.7	305.2	303.2	301.3	299.3
77.5°	964.5	673.0	305.2	230.8	217.2	232.8	271.9	291.5	289.5	287.6	283.7
80°	665.1	469.5	254.3	209.3	199.5	217.2	254.3	271.9	270.0	266.1	266.1
82.5°	432.3	322.8	205.4	183.9	180.0	199.5	234.8	248.5	244.5	240.6	238.7
85°	279.8	219.1	164.3	156.5	160.4	178.0	205.4	217.2	215.2	211.3	207.4
87.5°	183.9	156.5	129.1	129.1	136.9	156.5	176.1	181.9	180.0	180.0	176.1
90°	129.1	117.4	105.6	107.6	117.4	135.0	144.8	146.7	144.8	146.7	142.8
92.5°	95.9	90.0	86.1	90.0	99.8	113.5	119.3	115.4	117.4	117.4	115.4
95°	74.3	72.4	72.4	76.3	86.1	95.9	97.8	91.9	95.9	95.9	93.9
97.5°	58.7	58.7	60.6	64.6	72.4	80.2	80.2	76.3	78.3	78.3	78.3
100°	47.0	47.0	50.9	54.8	62.6	68.5	66.5	62.6	64.6	62.6	60.6
102.5°	37.2	39.1	43.0	47.0	52.8	56.7	56.7	52.8	52.8	50.9	50.9
105°	29.3	31.3	35.2	41.1	45.0	48.9	48.9	45.0	41.1	39.1	39.1
107.5°	23.5	25.4	29.3	33.3	39.1	41.1	41.1	37.2	33.3	29.3	29.3
110°	19.6	21.5	25.4	29.3	33.3	35.2	35.2	31.3	27.4	23.5	23.5

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 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.6	17.6	21.5	25.4	27.4	29.3	29.3	27.4	21.5	19.6	19.6
115°	13.7	15.7	17.6	21.5	23.5	25.4	25.4	21.5	17.6	15.7	15.7
117.5°	13.7	13.7	15.7	19.6	21.5	23.5	21.5	19.6	15.7	13.7	13.7
120°	11.7	13.7	15.7	15.7	19.6	19.6	19.6	15.7	13.7	13.7	13.7
122.5°	11.7	11.7	13.7	15.7	15.7	17.6	17.6	13.7	11.7	11.7	11.7
125°	9.8	11.7	11.7	13.7	15.7	15.7	15.7	11.7	11.7	11.7	11.7
127.5°	9.8	9.8	11.7	11.7	13.7	13.7	13.7	11.7	9.8	9.8	9.8
130°	9.8	9.8	9.8	9.8	11.7	11.7	11.7	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	7.8	9.8	9.8
135°	7.8	7.8	7.8	7.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	5.9	7.8	7.8	5.9	5.9	5.9	7.8	7.8
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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)