

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: P695582

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5510 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

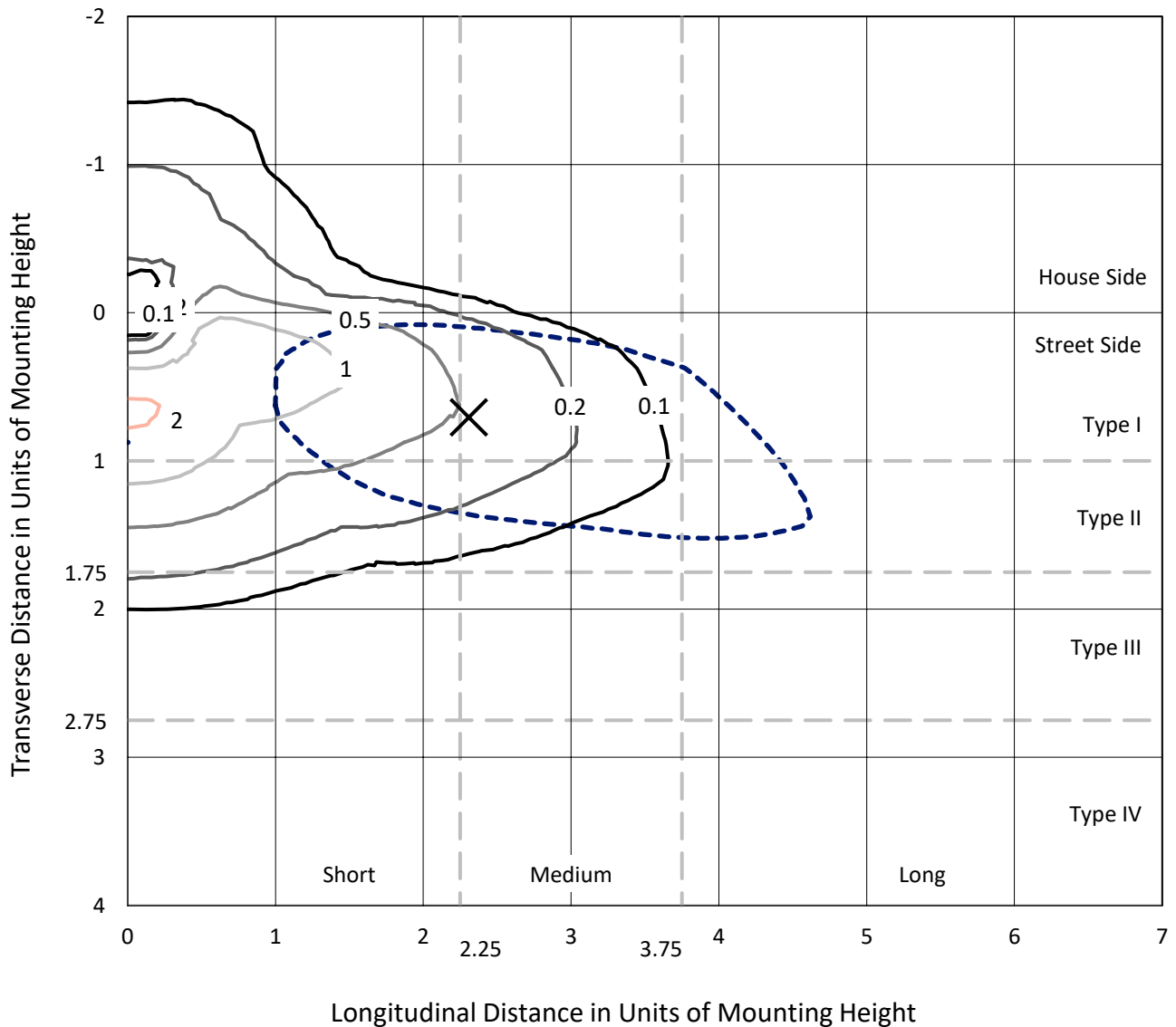
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

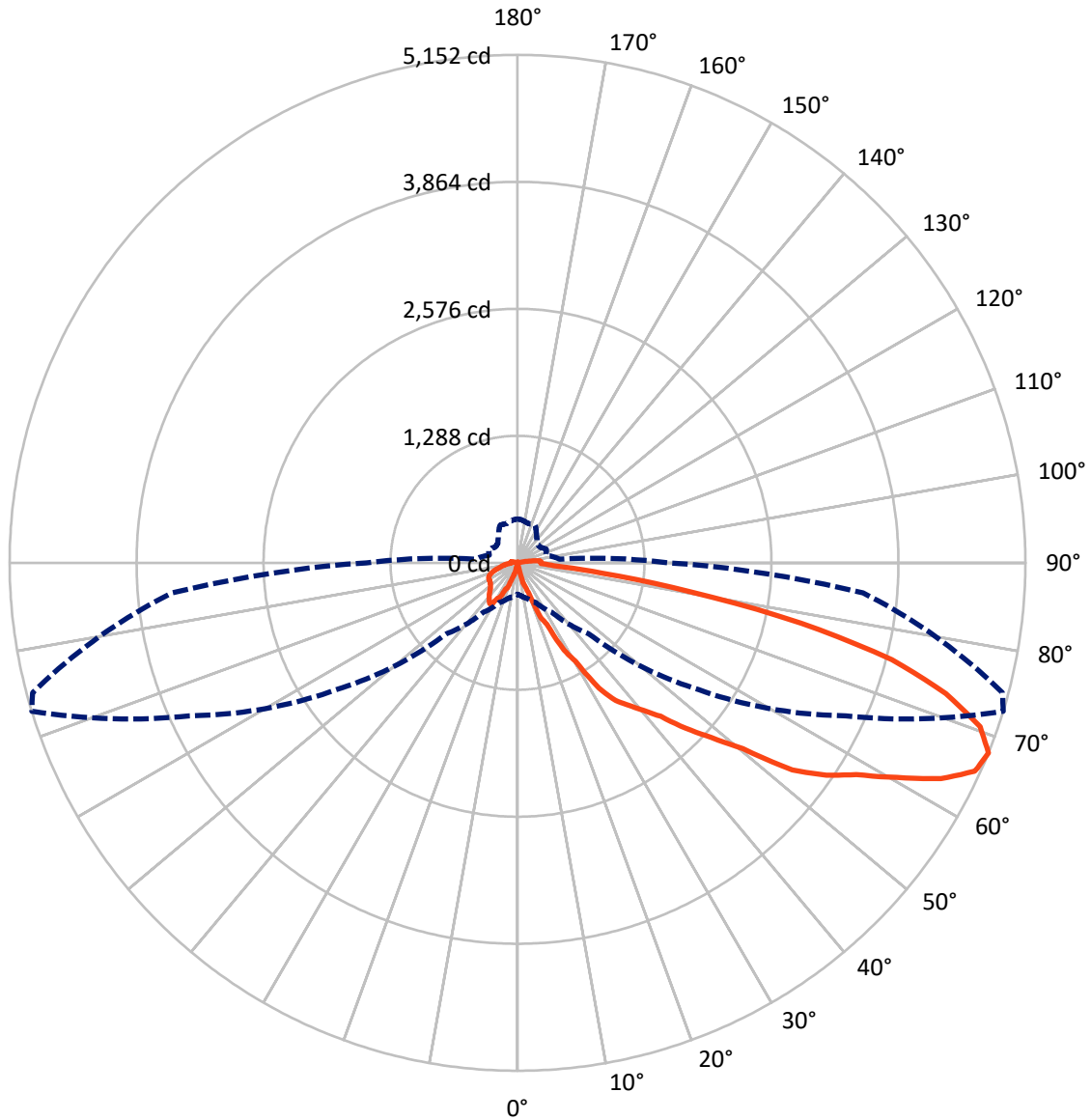
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - 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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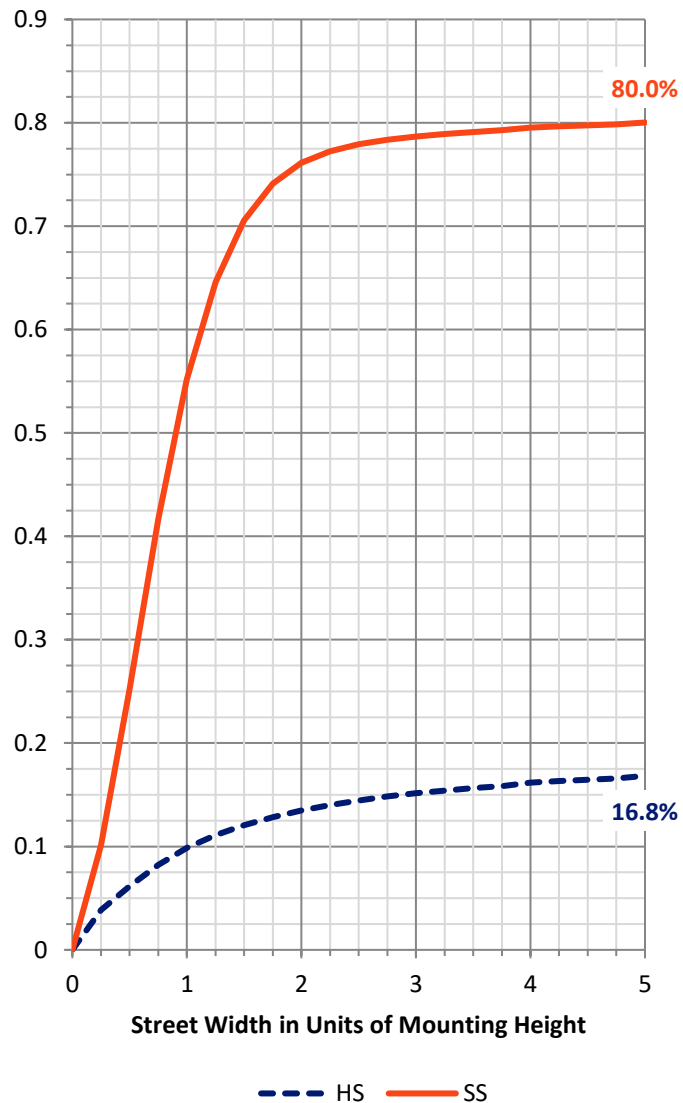
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.0	41.5	1015.5
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	4443.5	51.0	4494.5
	% Fixture	80.6	0.9	81.6
Total	Lumens	5417.6	92.4	5510.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	44.6	0.8
20°-30°	275.8	5.0
30°-40°	693.8	12.6
40°-50°	1001.9	18.2
50°-60°	1225.3	22.2
60°-70°	1208.0	21.9
70°-80°	760.0	13.8
80°-90°	207.8	3.8
90°-100°	60.4	1.1
100°-110°	13.0	0.2
110°-120°	6.6	0.1
120°-130°	5.5	0.1
130°-140°	3.8	0.1
140°-150°	2.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5417.6	98.3
0°-180°	5510.0	100.0

Coefficient of Utilization

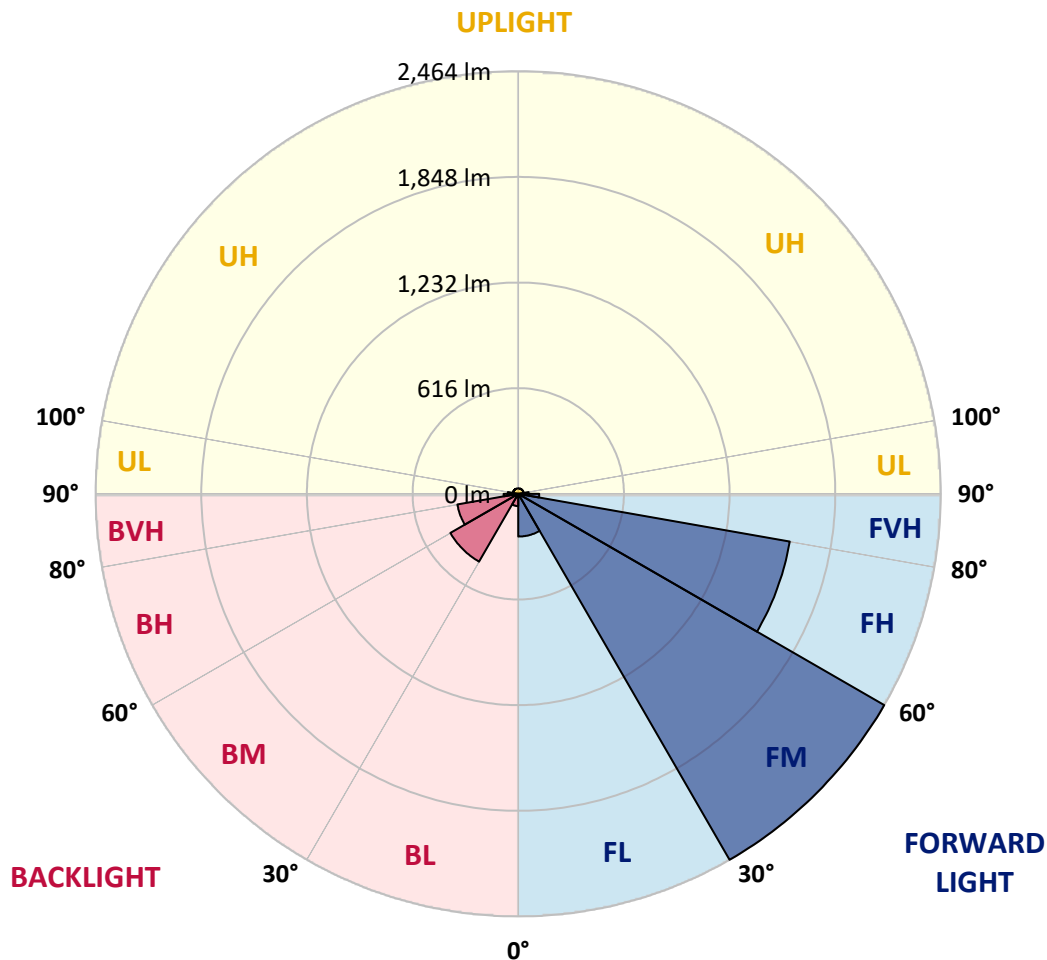


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.4	4.5			
FM (30°-60°)	2464.1	44.7			
FH (60°-80°)	1607.7	29.2			G1/1800
FVH (80°-90°)	122.4	2.2			G2/225
BL (0°-30°)	71.5	1.3	B0/110		
BM (30°-60°)	456.9	8.3	B1/1000		
BH (60°-80°)	360.3	6.5	B1/500		G1/500
BVH (80°-90°)	85.4	1.5			G1/100
UL (90°-100°)	60.4	1.1		U3/500	
UH (100°-180°)	32.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9
5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9
7.5°	7.8	9.8	7.8	7.8	7.8	7.8	7.8	5.9	3.9	3.9	3.9
10°	33.3	31.3	21.5	19.6	11.7	9.8	7.8	5.9	5.9	5.9	5.9
12.5°	262.2	260.2	254.4	228.9	39.1	19.6	11.7	15.7	21.5	25.4	29.3
15°	301.3	305.2	299.4	293.5	283.7	93.9	41.1	227.0	211.3	203.5	156.5
17.5°	543.9	407.0	358.1	350.2	328.7	275.9	250.4	277.8	252.4	244.6	189.8
20°	747.4	743.5	729.8	704.4	395.2	502.8	481.3	326.8	330.7	350.2	373.7
22.5°	835.5	831.6	813.9	786.6	821.8	579.2	545.9	606.5	600.7	583.1	452.0
25°	1369.6	1352.0	1256.1	915.7	917.7	808.1	837.4	780.7	688.7	671.1	526.3
27.5°	1485.1	1494.9	1471.4	1336.4	1050.7	1076.1	919.6	898.1	1001.8	1031.1	796.3
30°	1986.0	2032.9	1807.9	1524.2	1377.5	1175.9	1127.0	1232.7	1158.3	1125.1	870.7
32.5°	2320.5	2299.0	2256.0	1901.8	1563.3	1408.8	1406.8	1359.8	1516.4	1512.5	1222.9
35°	2453.6	2436.0	2392.9	2083.8	1798.1	1653.3	1530.1	1690.5	1715.9	1651.4	1305.1
37.5°	2553.4	2533.8	2482.9	2150.3	1986.0	1753.1	1804.0	1811.8	1835.3	1821.6	1377.5
40°	2559.2	2547.5	2512.3	2244.2	2089.7	1831.4	1954.7	1972.3	1966.4	2001.6	1469.4
42.5°	2537.7	2514.2	2492.7	2261.8	2144.4	1892.0	2070.1	2171.8	2128.8	2179.7	1577.0
45°	2453.6	2426.2	2416.4	2261.8	2136.6	1933.1	2205.1	2359.7	2392.9	2347.9	1694.4
47.5°	2310.8	2304.9	2308.8	2209.0	2128.8	1980.1	2334.2	2502.5	2647.3	2576.9	1866.6
50°	2166.0	2175.8	2203.1	2148.4	2105.3	2007.5	2498.6	2749.0	2962.3	2866.4	2124.9
52.5°	1937.0	1950.7	2029.0	2050.5	2038.8	2005.5	2625.8	3081.7	3490.6	3357.5	2392.9
55°	1727.7	1735.5	1788.3	1866.6	1911.6	1964.4	2676.6	3228.4	3801.7	3651.0	2567.1
57.5°	1489.0	1473.3	1541.8	1655.3	1757.0	1907.7	2729.5	3343.8	4052.1	3970.0	2794.0
60°	1205.3	1172.0	1271.8	1377.5	1532.0	1790.3	2762.7	3543.4	4420.0	4373.0	3124.7
62.5°	812.0	827.6	927.4	1070.3	1285.5	1592.7	2725.6	3725.4	4819.1	4791.7	3400.6
65°	510.7	532.2	596.8	720.0	939.2	1340.3	2569.0	3811.5	5097.0	5050.0	3559.1
67.5°	318.9	332.6	373.7	448.1	616.3	1015.5	2244.2	3672.6	5151.8	5091.1	3519.9
70°	264.1	268.1	273.9	291.5	379.6	702.4	1784.4	3312.5	4977.6	4987.4	3357.5
72.5°	236.7	240.7	240.7	238.7	244.6	440.2	1271.8	2809.7	4543.2	4543.2	3034.7
75°	217.2	219.1	213.3	211.3	207.4	273.9	776.8	2226.6	3923.0	3848.7	2535.8
77.5°	191.7	195.7	189.8	189.8	187.8	209.4	450.0	1698.3	2938.8	2813.6	1710.1
80°	164.4	164.4	164.4	164.4	166.3	166.3	281.8	1166.1	1770.7	1631.8	923.5
82.5°	131.1	129.1	133.0	140.9	137.0	127.2	217.2	678.9	859.0	778.7	455.9
85°	50.9	62.6	72.4	88.0	92.0	88.0	166.3	334.6	365.9	391.3	281.8
87.5°	29.3	29.3	23.5	23.5	25.4	35.2	103.7	201.5	236.7	266.1	248.5
90°	31.3	31.3	23.5	21.5	21.5	29.3	90.0	183.9	240.7	268.1	252.4
92.5°	33.3	33.3	23.5	21.5	21.5	23.5	74.4	164.4	238.7	273.9	246.5
95°	29.3	31.3	21.5	19.6	21.5	21.5	54.8	131.1	221.1	225.0	230.9
97.5°	19.6	21.5	13.7	15.7	19.6	17.6	29.3	76.3	117.4	90.0	107.6
100°	11.7	13.7	9.8	11.7	13.7	13.7	15.7	33.3	29.3	19.6	19.6
102.5°	11.7	11.7	7.8	9.8	9.8	7.8	7.8	13.7	11.7	11.7	19.6
105°	11.7	11.7	7.8	7.8	5.9	5.9	5.9	9.8	9.8	11.7	19.6
107.5°	7.8	9.8	5.9	5.9	5.9	5.9	3.9	5.9	9.8	9.8	21.5
110°	5.9	5.9	3.9	3.9	3.9	5.9	3.9	5.9	7.8	9.8	15.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.9	5.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8	7.8	9.8
115°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	7.8	11.7
117.5°	5.9	5.9	3.9	3.9	2.0	3.9	3.9	3.9	5.9	7.8	11.7
120°	5.9	5.9	3.9	3.9	2.0	2.0	3.9	3.9	7.8	7.8	11.7
122.5°	5.9	5.9	3.9	2.0	2.0	2.0	3.9	3.9	5.9	7.8	11.7
125°	5.9	5.9	3.9	2.0	2.0	2.0	3.9	3.9	5.9	7.8	9.8
127.5°	5.9	5.9	3.9	2.0	2.0	2.0	3.9	3.9	5.9	5.9	9.8
130°	5.9	5.9	3.9	2.0	2.0	2.0	3.9	3.9	5.9	5.9	9.8
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	7.8	7.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	7.8	7.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	7.8	9.8	7.8	5.9	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9
7.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9
10°	5.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	2.0
12.5°	29.3	29.3	21.5	9.8	3.9	2.0	2.0	2.0	5.9	5.9	5.9
15°	142.8	129.1	115.4	101.7	27.4	3.9	3.9	17.6	66.5	93.9	97.8
17.5°	166.3	150.7	135.0	123.3	109.6	41.1	45.0	117.4	121.3	123.3	121.3
20°	320.9	285.7	185.9	140.9	121.3	127.2	111.5	125.2	135.0	138.9	138.9
22.5°	381.5	328.7	281.8	246.5	144.8	174.1	162.4	144.8	225.0	230.9	232.8
25°	442.2	373.7	303.3	262.2	252.4	180.0	191.7	221.1	238.7	242.6	240.7
27.5°	645.7	532.2	424.6	283.7	268.1	225.0	240.7	232.8	254.4	311.1	317.0
30°	694.6	553.7	432.4	344.4	281.8	264.1	248.5	303.3	328.7	328.7	330.7
32.5°	962.7	739.6	532.2	344.4	311.1	266.1	297.4	317.0	332.6	356.1	348.3
35°	1007.7	747.4	526.3	399.1	311.1	279.8	307.2	326.8	399.1	407.0	405.0
37.5°	1044.8	739.6	497.0	387.4	336.5	297.4	313.1	373.7	403.1	401.1	397.2
40°	1085.9	727.9	467.6	379.6	334.6	299.4	334.6	375.7	393.3	383.5	373.7
42.5°	1132.9	710.2	442.2	362.0	326.8	301.3	336.5	365.9	363.9	358.1	352.2
45°	1193.5	690.7	412.8	346.3	322.8	297.4	330.7	340.5	354.1	350.2	346.3
47.5°	1283.5	671.1	387.4	332.6	318.9	291.5	334.6	346.3	358.1	348.3	346.3
50°	1416.6	643.7	365.9	328.7	317.0	309.1	307.2	356.1	365.9	342.4	338.5
52.5°	1506.6	612.4	354.1	324.8	311.1	301.3	326.8	352.2	362.0	334.6	332.6
55°	1567.2	567.4	344.4	324.8	307.2	283.7	354.1	360.0	360.0	328.7	324.8
57.5°	1633.8	536.1	338.5	330.7	305.2	264.1	369.8	367.8	360.0	318.9	320.9
60°	1729.6	516.5	332.6	336.5	305.2	270.0	363.9	385.5	360.0	324.8	336.5
62.5°	1784.4	497.0	328.7	338.5	301.3	270.0	352.2	410.9	389.4	363.9	365.9
65°	1708.1	471.5	317.0	336.5	295.4	275.9	340.5	420.7	416.8	405.0	407.0
67.5°	1534.0	428.5	295.4	322.8	275.9	279.8	334.6	420.7	412.8	438.3	444.2
70°	1340.3	377.6	264.1	299.4	262.2	275.9	348.3	407.0	407.0	453.9	463.7
72.5°	1134.8	309.1	228.9	273.9	262.2	268.1	363.9	391.3	391.3	453.9	452.0
75°	931.3	246.5	191.7	234.8	242.6	268.1	362.0	373.7	363.9	414.8	405.0
77.5°	680.9	195.7	164.4	197.6	219.1	268.1	350.2	348.3	332.6	356.1	352.2
80°	418.7	154.6	138.9	168.3	183.9	256.3	330.7	317.0	289.6	301.3	297.4
82.5°	242.6	115.4	117.4	142.8	146.7	234.8	299.4	275.9	246.5	252.4	246.5
85°	156.5	74.4	92.0	109.6	115.4	191.7	256.3	232.8	199.6	258.3	246.5
87.5°	121.3	43.0	62.6	72.4	70.4	84.1	146.7	138.9	137.0	111.5	107.6
90°	113.5	37.2	62.6	62.6	50.9	41.1	56.7	58.7	48.9	52.8	47.0
92.5°	101.7	37.2	66.5	62.6	45.0	33.3	47.0	47.0	37.2	35.2	33.3
95°	84.1	33.3	70.4	64.6	41.1	29.3	39.1	37.2	29.3	27.4	25.4
97.5°	45.0	21.5	66.5	58.7	37.2	27.4	35.2	31.3	21.5	19.6	17.6
100°	15.7	13.7	64.6	50.9	31.3	21.5	25.4	23.5	13.7	11.7	9.8
102.5°	13.7	11.7	37.2	37.2	19.6	11.7	15.7	15.7	11.7	9.8	9.8
105°	15.7	11.7	13.7	19.6	9.8	5.9	7.8	9.8	9.8	11.7	11.7
107.5°	15.7	11.7	9.8	9.8	7.8	5.9	5.9	5.9	9.8	11.7	11.7
110°	13.7	11.7	7.8	9.8	7.8	5.9	5.9	5.9	9.8	13.7	13.7

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 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	9.8	7.8	7.8	5.9	5.9	5.9	5.9	9.8	13.7	15.7
115°	9.8	9.8	5.9	5.9	5.9	5.9	3.9	5.9	9.8	15.7	17.6
117.5°	11.7	9.8	5.9	5.9	3.9	3.9	3.9	5.9	11.7	17.6	19.6
120°	11.7	9.8	5.9	5.9	3.9	3.9	3.9	5.9	11.7	19.6	19.6
122.5°	11.7	9.8	5.9	5.9	3.9	3.9	3.9	5.9	11.7	19.6	19.6
125°	9.8	9.8	5.9	5.9	3.9	3.9	3.9	5.9	11.7	19.6	19.6
127.5°	9.8	7.8	5.9	3.9	3.9	3.9	3.9	5.9	11.7	17.6	19.6
130°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	5.9	11.7	17.6	17.6
132.5°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	5.9	9.8	15.7	15.7
135°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8	11.7	11.7
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8	7.8
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
142.5°	3.9	3.9	3.9	3.9	3.9	2.0	3.9	3.9	5.9	5.9	5.9
145°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	3.9
147.5°	3.9	3.9	3.9	3.9	2.0	2.0	2.0	3.9	5.9	5.9	3.9
150°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	3.9	5.9	5.9	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)