

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: P695577

Luminaire Tested: **LXF.LXT-PA16-60-727-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5344 lumens
Efficiency: N/A
Efficacy: 86.2 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 - G2

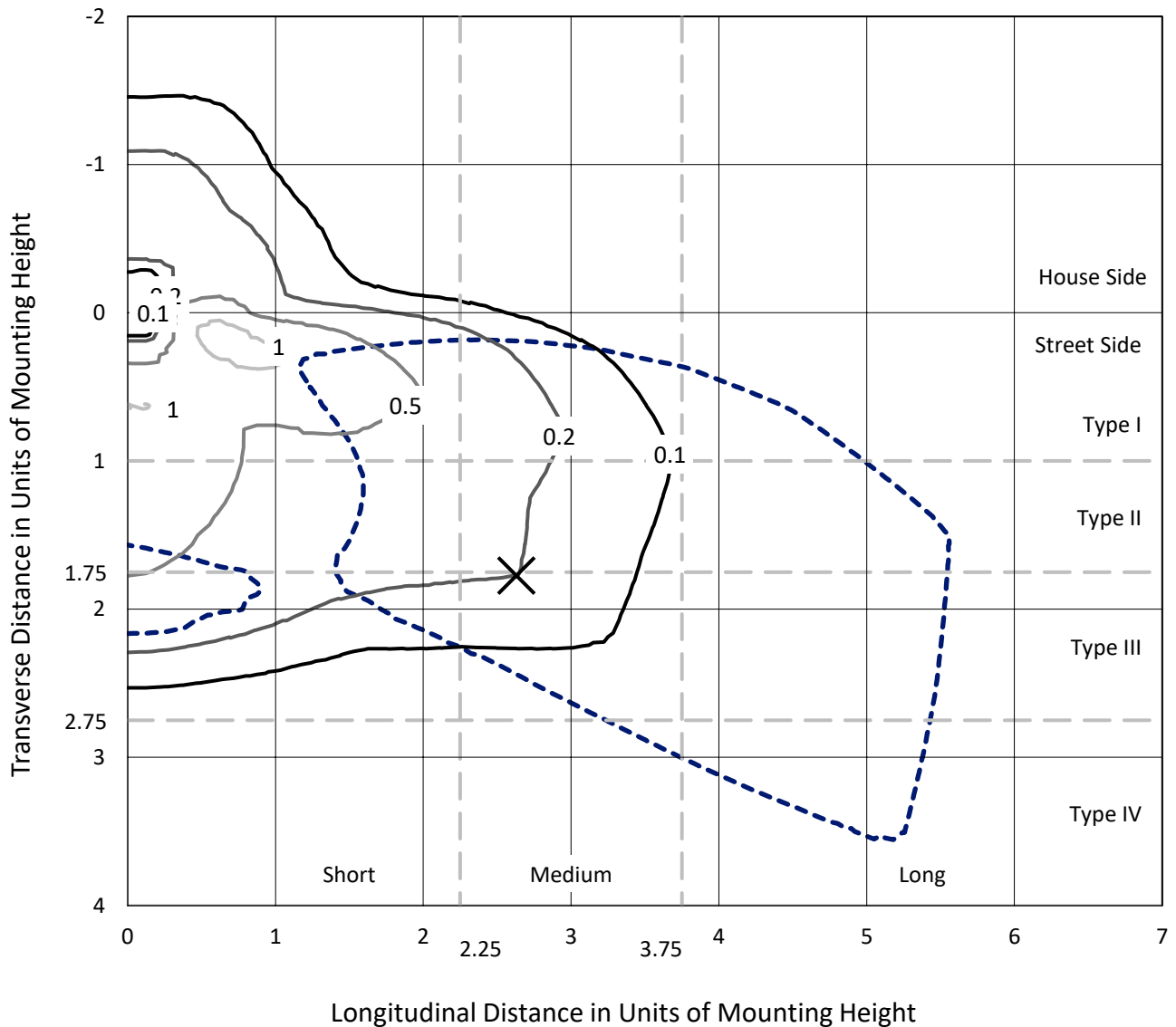
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

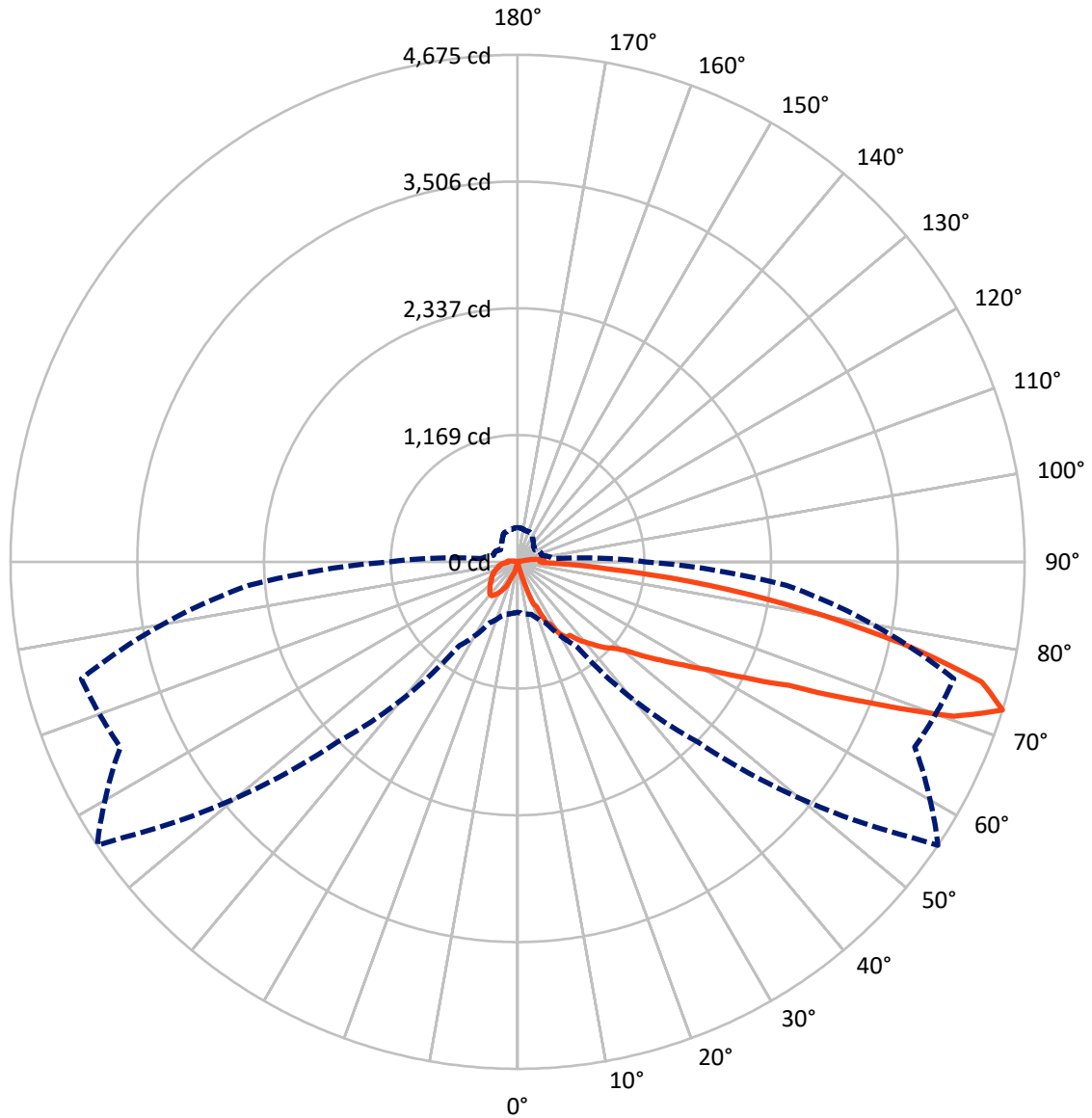
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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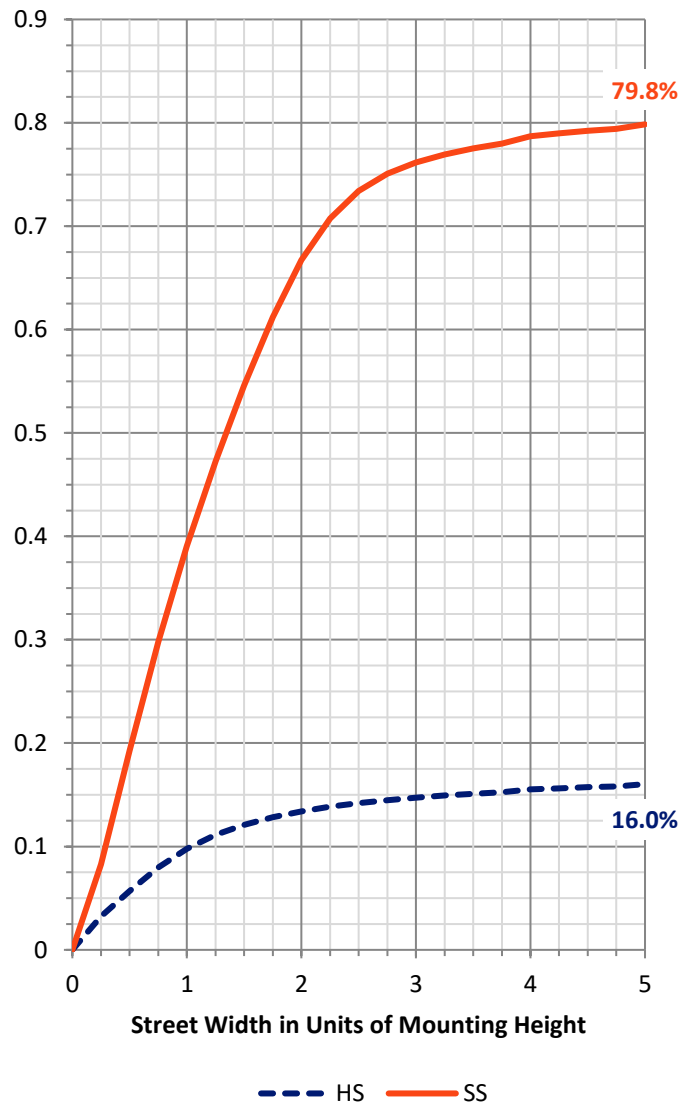
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.9	57.9	970.8
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	4312.3	61.0	4373.2
	% Fixture	80.7	1.1	81.8
Total	Lumens	5225.2	118.8	5344.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	43.9	0.8
20°-30°	206.6	3.9
30°-40°	454.8	8.5
40°-50°	682.0	12.8
50°-60°	1004.3	18.8
60°-70°	1394.5	26.1
70°-80°	1123.6	21.0
80°-90°	314.8	5.9
90°-100°	84.8	1.6
100°-110°	16.4	0.3
110°-120°	6.4	0.1
120°-130°	5.0	0.1
130°-140°	3.4	0.1
140°-150°	2.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5225.2	97.8
0°-180°	5344.0	100.0

Coefficient of Utilization

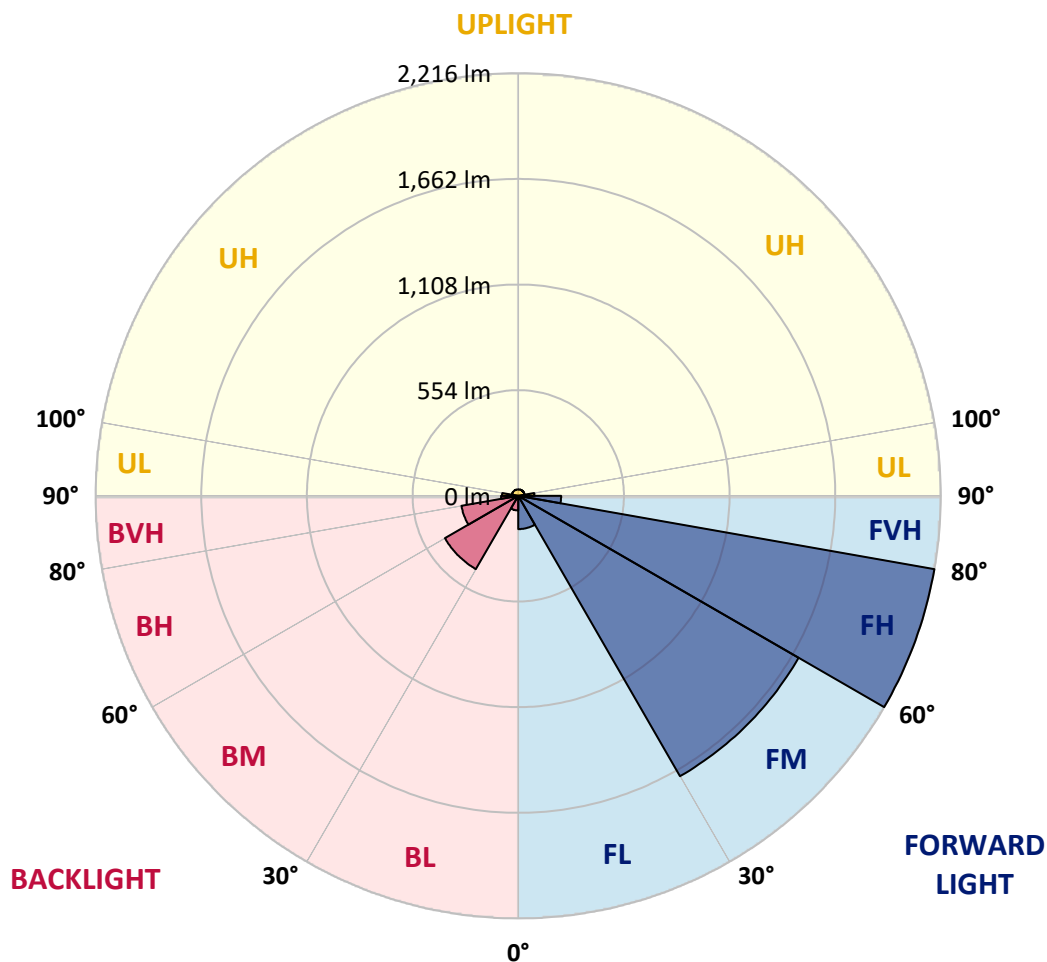


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.5	3.3			
FM (30°-60°)	1697.3	31.8			
FH (60°-80°)	2215.7	41.5			G2/5000
FVH (80°-90°)	224.7	4.2			G2/225
BL (0°-30°)	76.7	1.4	B0/110		
BM (30°-60°)	443.8	8.3	B1/1000		
BH (60°-80°)	302.3	5.7	B1/500		G1/500
BVH (80°-90°)	90.1	1.7			G1/100
UL (90°-100°)	84.8	1.6		U3/500	
UH (100°-180°)	34.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
5°	5.9	5.9	5.9	5.9	7.8	7.8	5.9	5.9	5.9	5.9	5.9
7.5°	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9
10°	56.7	54.8	48.9	33.3	19.6	9.8	7.8	7.8	7.8	7.8	9.8
12.5°	248.5	246.6	248.5	232.9	62.6	33.3	15.7	15.7	23.5	31.3	41.1
15°	262.2	264.2	264.2	256.3	256.3	109.6	60.7	84.1	240.7	262.2	256.3
17.5°	344.4	332.7	285.7	274.0	279.8	277.9	240.7	240.7	279.8	295.5	291.6
20°	405.1	405.1	407.0	403.1	299.4	383.5	412.9	414.9	330.7	457.9	495.1
22.5°	454.0	457.9	438.3	422.7	455.9	397.2	448.1	448.1	559.7	628.2	602.7
25°	630.1	628.2	592.9	473.6	473.6	481.4	608.6	620.3	700.6	698.6	671.2
27.5°	726.0	726.0	686.9	616.4	524.4	549.9	626.2	653.6	794.5	1009.7	913.9
30°	980.4	984.3	898.2	735.8	634.0	585.1	726.0	774.9	996.0	1060.6	949.1
32.5°	1054.7	1056.7	1062.6	941.3	733.8	649.7	792.5	827.8	1068.4	1342.4	1195.6
35°	1076.3	1080.2	1080.2	994.1	919.7	755.3	806.2	831.7	1272.0	1414.8	1197.6
37.5°	1146.7	1144.8	1129.1	1029.3	992.1	835.6	890.4	915.8	1356.1	1522.4	1191.7
40°	1246.5	1246.5	1221.1	1097.8	1021.5	917.8	949.1	976.5	1453.9	1649.6	1195.6
42.5°	1362.0	1352.2	1322.8	1176.1	1068.4	968.6	1027.4	1050.8	1555.7	1810.1	1201.5
45°	1500.9	1491.1	1432.4	1285.7	1150.6	990.2	1084.1	1129.1	1671.2	1980.3	1236.7
47.5°	1634.0	1630.1	1563.5	1395.2	1232.8	1021.5	1127.2	1189.8	1810.1	2197.6	1305.2
50°	1798.4	1778.8	1692.7	1502.9	1307.2	1082.1	1238.7	1279.8	1956.9	2406.9	1408.9
52.5°	1947.1	1911.9	1821.8	1612.5	1397.2	1166.3	1408.9	1436.3	2125.2	2626.1	1528.3
55°	2091.9	2041.0	1917.7	1726.0	1483.3	1264.1	1592.9	1598.8	2316.9	2851.1	1675.1
57.5°	2309.1	2256.3	2078.2	1831.6	1596.8	1389.4	1771.0	1790.5	2506.7	3103.6	1847.3
60°	2610.5	2573.3	2358.0	2082.1	1798.4	1555.7	1984.3	2023.4	2694.6	3356.0	2017.5
62.5°	2725.9	2682.9	2520.4	2328.7	2086.0	1855.1	2248.4	2354.1	2864.8	3610.4	2215.2
65°	2412.8	2412.8	2326.7	2338.5	2266.0	2334.5	2624.2	2747.4	3064.4	3812.0	2385.4
67.5°	1569.4	1577.2	1632.0	1864.9	2123.2	2722.0	3271.9	3442.1	3367.8	4029.2	2528.3
70°	712.3	739.7	859.1	1181.9	1616.4	2745.5	4017.4	4266.0	3720.0	4177.9	2579.1
72.5°	465.7	475.5	502.9	624.2	951.0	2352.1	4430.3	4674.9	4040.9	4164.2	2487.2
75°	389.4	383.5	399.2	442.3	479.4	1614.4	4215.1	4418.6	3999.8	3917.6	2264.1
77.5°	322.9	317.0	332.7	356.1	283.7	886.5	3504.7	3622.2	3459.7	3348.2	1847.3
80°	248.5	248.5	256.3	287.7	207.4	430.5	2604.6	2692.6	2561.5	2391.3	1105.6
82.5°	170.2	168.3	185.9	221.1	166.3	248.5	1778.8	1780.7	1530.3	1164.3	520.5
85°	76.3	76.3	92.0	127.2	97.8	154.6	812.1	841.5	520.5	371.8	232.9
87.5°	25.4	25.4	27.4	31.3	33.3	72.4	227.0	230.9	201.6	229.0	172.2
90°	23.5	23.5	23.5	23.5	25.4	70.4	203.5	203.5	180.0	213.3	172.2
92.5°	23.5	23.5	21.5	19.6	21.5	64.6	225.0	242.7	197.6	223.1	180.0
95°	23.5	23.5	19.6	17.6	19.6	47.0	225.0	240.7	207.4	193.7	162.4
97.5°	15.7	15.7	13.7	13.7	15.7	27.4	164.4	170.2	133.1	97.8	97.8
100°	13.7	13.7	9.8	9.8	11.7	15.7	88.1	93.9	64.6	31.3	31.3
102.5°	13.7	13.7	7.8	7.8	7.8	9.8	25.4	27.4	23.5	13.7	15.7
105°	15.7	15.7	7.8	5.9	5.9	7.8	11.7	11.7	13.7	11.7	15.7
107.5°	13.7	13.7	5.9	5.9	5.9	5.9	5.9	5.9	7.8	11.7	15.7
110°	9.8	7.8	5.9	5.9	3.9	5.9	5.9	5.9	5.9	9.8	13.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	5.9	5.9	3.9	3.9	3.9	5.9	3.9	3.9	5.9	7.8	11.7
115°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	9.8
117.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7
120°	5.9	5.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	7.8	11.7
122.5°	5.9	5.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	7.8	11.7
125°	5.9	5.9	3.9	2.0	3.9	2.0	3.9	3.9	3.9	7.8	9.8
127.5°	5.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	5.9	9.8
130°	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	5.9	9.8
132.5°	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	5.9	7.8
135°	3.9	3.9	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9	5.9
137.5°	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	3.9	5.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
147.5°	3.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
150°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9
5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
7.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
10°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
12.5°	47.0	41.1	31.3	17.6	7.8	3.9	3.9	3.9	5.9	7.8	7.8
15°	244.6	229.0	183.9	121.3	39.1	9.8	5.9	17.6	54.8	74.4	72.4
17.5°	279.8	256.3	191.8	133.1	107.6	48.9	50.9	92.0	107.6	115.5	113.5
20°	483.3	399.2	236.8	154.6	125.2	117.4	103.7	117.4	133.1	142.9	144.8
22.5°	549.9	457.9	281.8	230.9	160.5	166.3	154.6	148.7	211.3	227.0	230.9
25°	594.9	475.5	295.5	260.3	244.6	193.7	213.3	219.2	244.6	254.4	256.3
27.5°	763.2	559.7	364.0	297.4	274.0	244.6	252.4	252.4	279.8	326.8	328.8
30°	753.4	526.4	381.6	348.3	307.2	287.7	275.9	320.9	356.1	365.9	367.9
32.5°	882.5	569.4	426.6	367.9	342.5	305.3	326.8	352.2	373.8	401.2	416.8
35°	808.2	514.7	444.2	412.9	362.0	334.6	354.2	377.7	450.1	473.6	473.6
37.5°	726.0	469.6	428.6	416.8	389.4	356.1	362.0	426.6	459.9	450.1	450.1
40°	651.6	438.3	414.9	409.0	391.4	356.1	383.5	414.9	446.2	438.3	438.3
42.5°	604.7	418.8	401.2	397.2	383.5	350.3	371.8	409.0	444.2	430.5	428.6
45°	587.1	401.2	391.4	383.5	362.0	336.6	364.0	412.9	440.3	424.6	422.7
47.5°	604.7	391.4	381.6	371.8	344.4	315.1	367.9	407.0	432.5	409.0	405.1
50°	661.4	391.4	369.8	356.1	330.7	315.1	362.0	393.3	412.9	385.5	379.6
52.5°	735.8	399.2	358.1	338.5	317.0	313.1	354.2	385.5	397.2	367.9	365.9
55°	837.5	412.9	342.5	324.8	295.5	305.3	354.2	387.5	383.5	350.3	348.3
57.5°	941.3	428.6	328.8	315.1	281.8	295.5	350.3	389.4	365.9	324.8	324.8
60°	1052.8	448.1	311.1	303.3	272.0	281.8	338.5	385.5	348.3	305.3	305.3
62.5°	1164.3	457.9	297.4	291.6	260.3	268.1	324.8	373.8	342.5	301.4	301.4
65°	1254.3	448.1	283.7	275.9	244.6	252.4	305.3	364.0	332.7	303.3	305.3
67.5°	1305.2	420.7	270.0	264.2	229.0	236.8	281.8	342.5	317.0	301.4	305.3
70°	1281.7	373.8	252.4	244.6	213.3	223.1	260.3	317.0	307.2	301.4	307.2
72.5°	1180.0	338.5	230.9	227.0	193.7	207.4	246.6	295.5	295.5	313.1	315.1
75°	1050.8	301.4	213.3	209.4	180.0	189.8	240.7	270.0	275.9	299.4	305.3
77.5°	853.2	252.4	187.9	191.8	176.1	176.1	229.0	254.4	260.3	287.7	289.6
80°	522.5	185.9	162.4	172.2	162.4	168.3	215.3	236.8	240.7	277.9	281.8
82.5°	260.3	131.1	138.9	152.6	144.8	166.3	205.5	225.0	244.6	281.8	283.7
85°	133.1	80.2	105.7	123.3	125.2	183.9	201.6	232.9	229.0	254.4	260.3
87.5°	84.1	41.1	60.7	66.5	93.9	174.2	178.1	191.8	187.9	217.2	217.2
90°	82.2	33.3	52.8	50.9	93.9	148.7	137.0	138.9	148.7	183.9	185.9
92.5°	86.1	31.3	54.8	50.9	99.8	117.4	109.6	105.7	117.4	138.9	142.9
95°	76.3	29.4	58.7	54.8	86.1	78.3	70.4	78.3	76.3	76.3	78.3
97.5°	45.0	21.5	56.7	54.8	68.5	41.1	47.0	58.7	45.0	33.3	31.3
100°	19.6	13.7	54.8	52.8	43.1	25.4	39.1	48.9	33.3	13.7	13.7
102.5°	11.7	11.7	39.1	48.9	25.4	13.7	29.4	33.3	19.6	11.7	11.7
105°	11.7	11.7	19.6	29.4	9.8	7.8	13.7	15.7	9.8	9.8	9.8
107.5°	11.7	11.7	9.8	9.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
110°	11.7	11.7	7.8	9.8	7.8	5.9	5.9	5.9	7.8	9.8	9.8

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 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-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	7.8	9.8	9.8
115°	9.8	9.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	9.8	9.8
117.5°	9.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	7.8	11.7	11.7
120°	9.8	7.8	5.9	5.9	3.9	3.9	5.9	5.9	7.8	11.7	11.7
122.5°	9.8	9.8	5.9	5.9	3.9	3.9	3.9	5.9	7.8	11.7	11.7
125°	9.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
127.5°	9.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
130°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	9.8	11.7
132.5°	7.8	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	9.8	9.8
135°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8	7.8
137.5°	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
140°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9	5.9
142.5°	3.9	3.9	3.9	3.9	2.0	3.9	3.9	3.9	5.9	5.9	5.9
145°	5.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	5.9
147.5°	5.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	5.9
150°	5.9	5.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	5.9
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)