

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: P695427

Luminaire Tested: **LXF.LXT-PA16-50-750-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695427
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-PA16-50-750-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA 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: 5620 lumens
Efficiency: N/A
Efficacy: 105.8 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

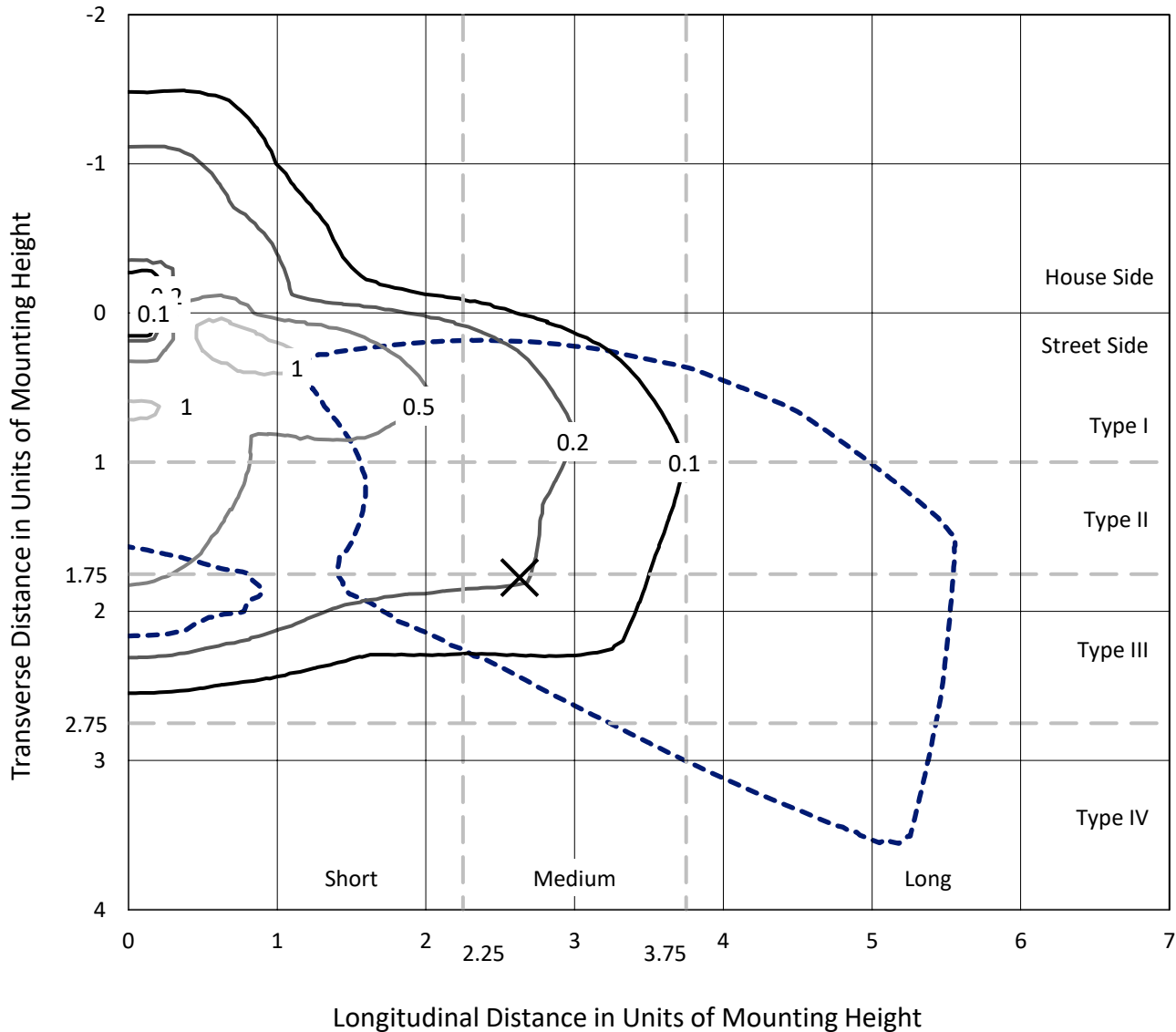
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

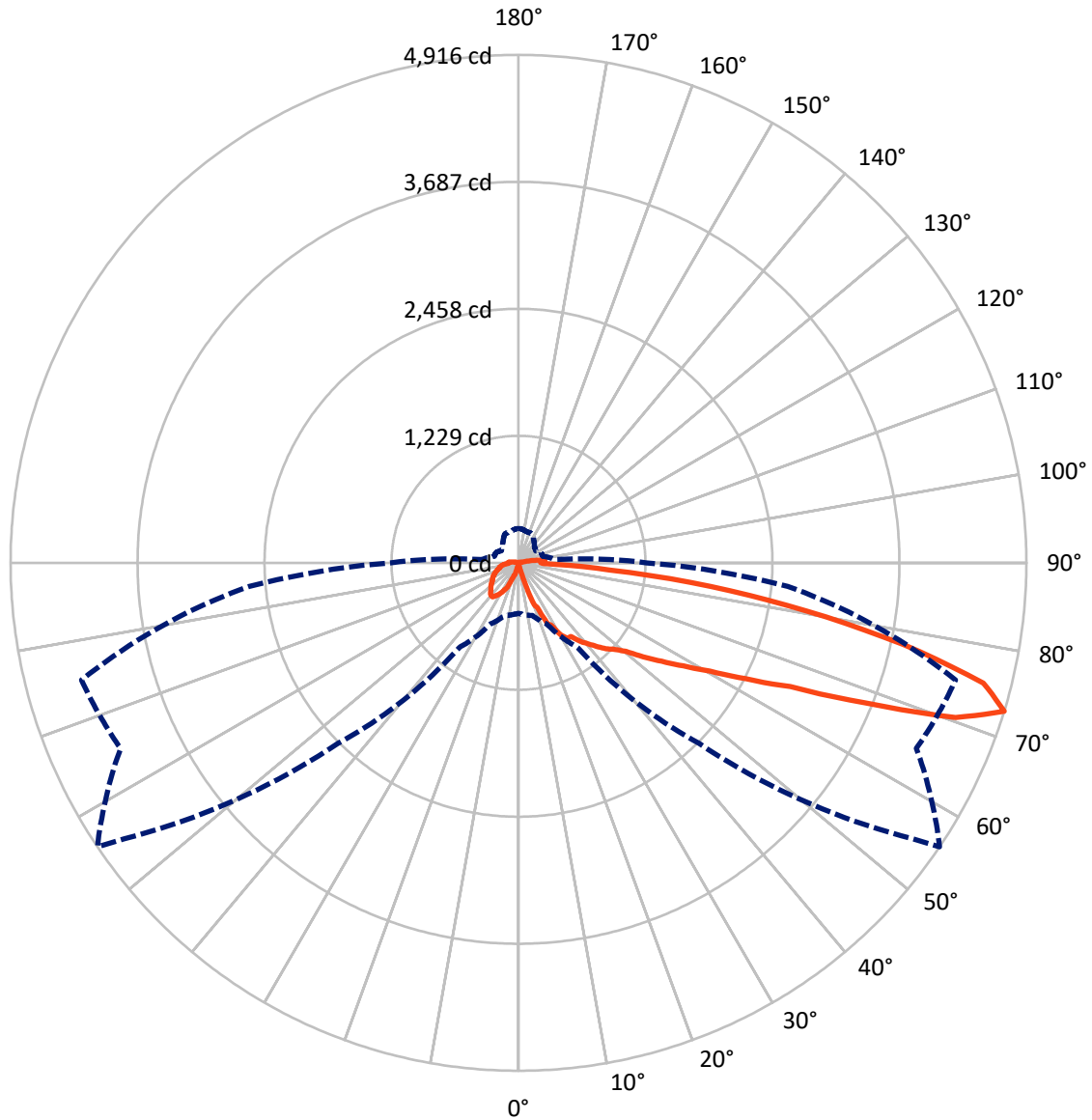
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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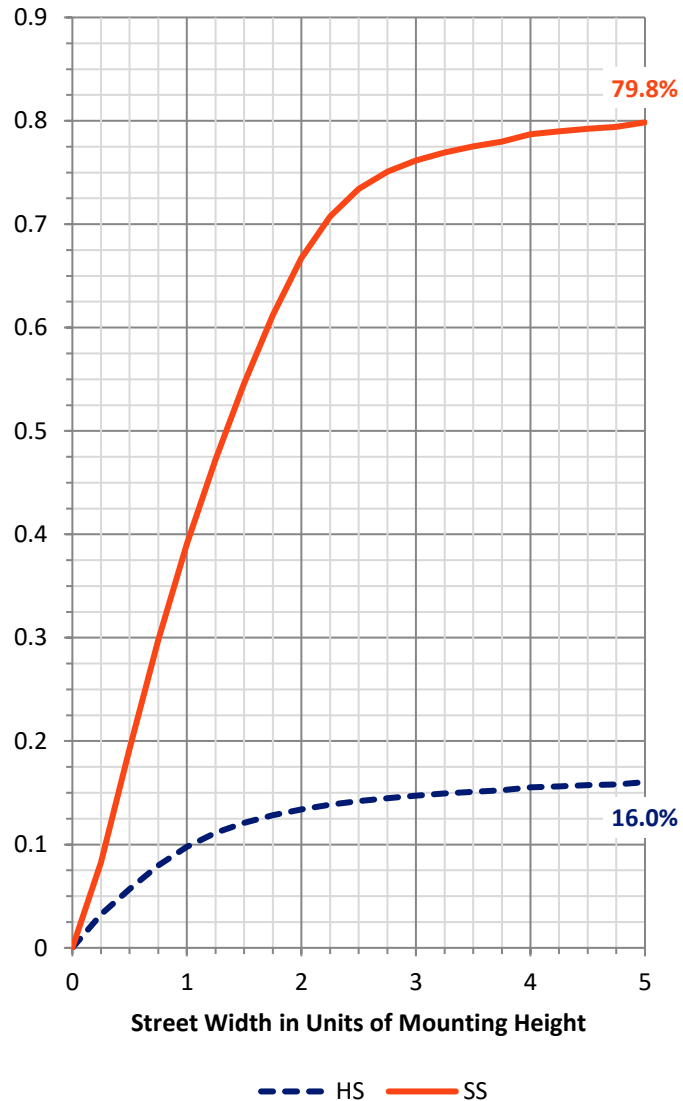
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	960.0	60.8	1020.9
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	4535.0	64.1	4599.1
	% Fixture	80.7	1.1	81.8
Total	Lumens	5495.0	124.9	5620.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	46.2	0.8
20°-30°	217.2	3.9
30°-40°	478.3	8.5
40°-50°	717.2	12.8
50°-60°	1056.2	18.8
60°-70°	1466.5	26.1
70°-80°	1181.6	21.0
80°-90°	331.1	5.9
90°-100°	89.2	1.6
100°-110°	17.2	0.3
110°-120°	6.7	0.1
120°-130°	5.2	0.1
130°-140°	3.6	0.1
140°-150°	2.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5495.0	97.8
0°-180°	5620.0	100.0

Coefficient of Utilization

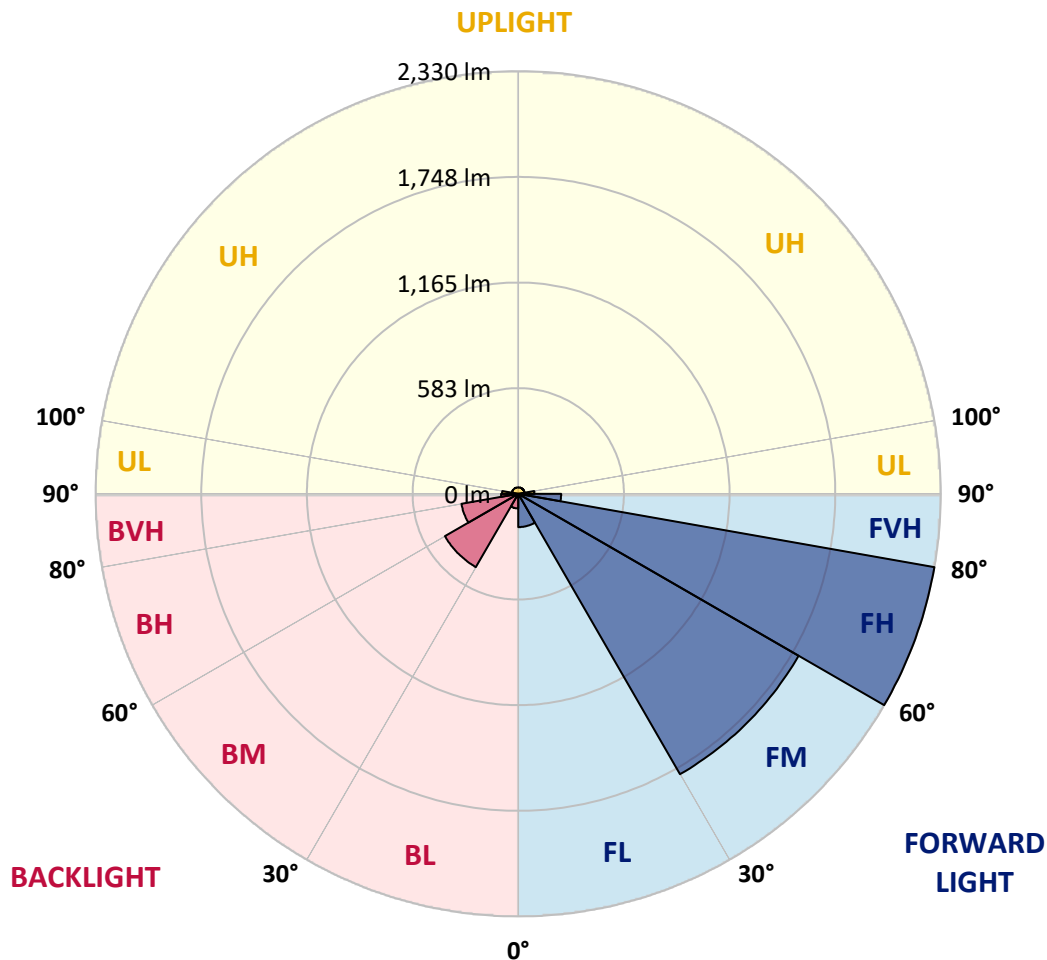


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.5	3.3			
FM (30°-60°)	1785.0	31.8			
FH (60°-80°)	2330.2	41.5			G2/5000
FVH (80°-90°)	236.3	4.2			G3/500
BL (0°-30°)	80.6	1.4	B0/110		
BM (30°-60°)	466.7	8.3	B1/1000		
BH (60°-80°)	317.9	5.7	B1/500		G1/500
BVH (80°-90°)	94.8	1.7			G1/100
UL (90°-100°)	89.2	1.6		U3/500	
UH (100°-180°)	35.7	0.6		U2/50	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
5°	6.2	6.2	6.2	6.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2
7.5°	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2
10°	59.7	57.6	51.4	35.0	20.6	10.3	8.2	8.2	8.2	8.2	10.3
12.5°	261.4	259.3	261.4	244.9	65.9	35.0	16.5	16.5	24.7	32.9	43.2
15°	275.8	277.8	277.8	269.6	269.6	115.2	63.8	88.5	253.1	275.8	269.6
17.5°	362.2	349.8	300.5	288.1	294.3	292.2	253.1	253.1	294.3	310.7	306.6
20°	426.0	426.0	428.0	423.9	314.9	403.4	434.2	436.3	347.8	481.6	520.7
22.5°	477.4	481.6	461.0	444.5	479.5	417.8	471.3	471.3	588.6	660.6	633.8
25°	662.7	660.6	623.6	498.0	498.0	506.3	640.0	652.4	736.7	734.7	705.9
27.5°	763.5	763.5	722.3	648.2	551.5	578.3	658.5	687.3	835.5	1061.9	961.1
30°	1031.0	1035.1	944.6	773.8	666.8	615.3	763.5	814.9	1047.5	1115.4	998.1
32.5°	1109.2	1111.3	1117.5	989.9	771.7	683.2	833.5	870.5	1123.6	1411.7	1257.4
35°	1131.9	1136.0	1136.0	1045.4	967.2	794.4	847.9	874.6	1337.7	1487.9	1259.5
37.5°	1205.9	1203.9	1187.4	1082.5	1043.4	878.7	936.4	963.1	1426.1	1601.1	1253.3
40°	1310.9	1310.9	1284.1	1154.5	1074.2	965.2	998.1	1026.9	1529.0	1734.8	1257.4
42.5°	1432.3	1422.0	1391.2	1236.8	1123.6	1018.7	1080.4	1105.1	1636.1	1903.6	1263.6
45°	1578.4	1568.1	1506.4	1352.1	1210.1	1041.3	1140.1	1187.4	1757.5	2082.6	1300.6
47.5°	1718.4	1714.3	1644.3	1467.3	1296.5	1074.2	1185.4	1251.2	1903.6	2311.1	1372.6
50°	1891.2	1870.7	1780.1	1580.5	1374.7	1138.0	1302.7	1345.9	2057.9	2531.3	1481.7
52.5°	2047.6	2010.6	1915.9	1695.7	1469.4	1226.5	1481.7	1510.5	2234.9	2761.7	1607.2
55°	2199.9	2146.4	2016.8	1815.1	1559.9	1329.4	1675.2	1681.3	2436.6	2998.4	1761.6
57.5°	2428.4	2372.8	2185.5	1926.2	1679.3	1461.1	1862.4	1883.0	2636.2	3263.9	1942.7
60°	2745.3	2706.2	2479.8	2189.6	1891.2	1636.1	2086.7	2127.9	2833.8	3529.3	2121.7
62.5°	2866.7	2821.4	2650.6	2448.9	2193.8	1950.9	2364.6	2475.7	3012.8	3796.9	2329.6
65°	2537.4	2537.4	2446.9	2459.2	2383.1	2455.1	2759.7	2889.3	3222.7	4008.8	2508.6
67.5°	1650.5	1658.7	1716.3	1961.2	2232.9	2862.6	3440.9	3619.9	3541.7	4237.3	2658.8
70°	749.1	777.9	903.4	1243.0	1699.8	2887.3	4224.9	4486.3	3912.1	4393.7	2712.3
72.5°	489.8	500.1	528.9	656.5	1000.2	2473.6	4659.1	4916.4	4249.6	4379.3	2615.6
75°	409.5	403.4	419.8	465.1	504.2	1697.8	4432.8	4646.8	4206.4	4120.0	2381.0
77.5°	339.6	333.4	349.8	374.5	298.4	932.2	3685.7	3809.2	3638.4	3521.1	1942.7
80°	261.4	261.4	269.6	302.5	218.1	452.7	2739.1	2831.7	2693.8	2514.8	1162.7
82.5°	179.0	177.0	195.5	232.5	174.9	261.4	1870.7	1872.7	1609.3	1224.5	547.4
85°	80.3	80.3	96.7	133.8	102.9	162.6	854.0	884.9	547.4	391.0	244.9
87.5°	26.8	26.8	28.8	32.9	35.0	76.1	238.7	242.8	212.0	240.8	181.1
90°	24.7	24.7	24.7	24.7	26.8	74.1	214.0	214.0	189.3	224.3	181.1
92.5°	24.7	24.7	22.6	20.6	22.6	67.9	236.7	255.2	207.9	234.6	189.3
95°	24.7	24.7	20.6	18.5	20.6	49.4	236.7	253.1	218.1	203.7	170.8
97.5°	16.5	16.5	14.4	14.4	16.5	28.8	172.9	179.0	139.9	102.9	102.9
100°	14.4	14.4	10.3	10.3	12.3	16.5	92.6	98.8	67.9	32.9	32.9
102.5°	14.4	14.4	8.2	8.2	8.2	10.3	26.8	28.8	24.7	14.4	16.5
105°	16.5	16.5	8.2	6.2	6.2	8.2	12.3	12.3	14.4	12.3	16.5
107.5°	14.4	14.4	6.2	6.2	6.2	6.2	6.2	6.2	8.2	12.3	16.5
110°	10.3	8.2	6.2	6.2	4.1	6.2	6.2	6.2	6.2	10.3	14.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	6.2	6.2	4.1	4.1	4.1	6.2	4.1	4.1	6.2	8.2	12.3
115°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	10.3
117.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	12.3
120°	6.2	6.2	4.1	2.1	4.1	4.1	4.1	4.1	4.1	8.2	12.3
122.5°	6.2	6.2	4.1	2.1	4.1	4.1	4.1	4.1	4.1	8.2	12.3
125°	6.2	6.2	4.1	2.1	4.1	2.1	4.1	4.1	4.1	8.2	10.3
127.5°	6.2	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2	10.3
130°	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2	10.3
132.5°	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2	8.2
135°	4.1	4.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
137.5°	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
140°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
147.5°	4.1	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
150°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2
5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
7.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
10°	8.2	8.2	6.2	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
12.5°	49.4	43.2	32.9	18.5	8.2	4.1	4.1	4.1	6.2	8.2	8.2
15°	257.2	240.8	193.4	127.6	41.2	10.3	6.2	18.5	57.6	78.2	76.1
17.5°	294.3	269.6	201.7	139.9	113.2	51.4	53.5	96.7	113.2	121.4	119.4
20°	508.3	419.8	249.0	162.6	131.7	123.5	109.1	123.5	139.9	150.2	152.3
22.5°	578.3	481.6	296.3	242.8	168.8	174.9	162.6	156.4	222.3	238.7	242.8
25°	625.6	500.1	310.7	273.7	257.2	203.7	224.3	230.5	257.2	267.5	269.6
27.5°	802.6	588.6	382.8	312.8	288.1	257.2	265.5	265.5	294.3	343.7	345.7
30°	792.3	553.6	401.3	366.3	323.1	302.5	290.2	337.5	374.5	384.8	386.9
32.5°	928.1	598.9	448.6	386.9	360.1	321.0	343.7	370.4	393.1	421.9	438.3
35°	849.9	541.2	467.1	434.2	380.7	351.9	372.5	397.2	473.3	498.0	498.0
37.5°	763.5	493.9	450.7	438.3	409.5	374.5	380.7	448.6	483.6	473.3	473.3
40°	685.3	461.0	436.3	430.1	411.6	374.5	403.4	436.3	469.2	461.0	461.0
42.5°	635.9	440.4	421.9	417.8	403.4	368.4	391.0	430.1	467.1	452.7	450.7
45°	617.4	421.9	411.6	403.4	380.7	354.0	382.8	434.2	463.0	446.6	444.5
47.5°	635.9	411.6	401.3	391.0	362.2	331.3	386.9	428.0	454.8	430.1	426.0
50°	695.6	411.6	388.9	374.5	347.8	331.3	380.7	413.6	434.2	405.4	399.2
52.5°	773.8	419.8	376.6	356.0	333.4	329.3	372.5	405.4	417.8	386.9	384.8
55°	880.8	434.2	360.1	341.6	310.7	321.0	372.5	407.5	403.4	368.4	366.3
57.5°	989.9	450.7	345.7	331.3	296.3	310.7	368.4	409.5	384.8	341.6	341.6
60°	1107.2	471.3	327.2	319.0	286.1	296.3	356.0	405.4	366.3	321.0	321.0
62.5°	1224.5	481.6	312.8	306.6	273.7	281.9	341.6	393.1	360.1	316.9	316.9
65°	1319.1	471.3	298.4	290.2	257.2	265.5	321.0	382.8	349.8	319.0	321.0
67.5°	1372.6	442.5	284.0	277.8	240.8	249.0	296.3	360.1	333.4	316.9	321.0
70°	1347.9	393.1	265.5	257.2	224.3	234.6	273.7	333.4	323.1	316.9	323.1
72.5°	1240.9	356.0	242.8	238.7	203.7	218.1	259.3	310.7	310.7	329.3	331.3
75°	1105.1	316.9	224.3	220.2	189.3	199.6	253.1	284.0	290.2	314.9	321.0
77.5°	897.3	265.5	197.6	201.7	185.2	185.2	240.8	267.5	273.7	302.5	304.6
80°	549.5	195.5	170.8	181.1	170.8	177.0	226.4	249.0	253.1	292.2	296.3
82.5°	273.7	137.9	146.1	160.5	152.3	174.9	216.1	236.7	257.2	296.3	298.4
85°	139.9	84.4	111.1	129.6	131.7	193.4	212.0	244.9	240.8	267.5	273.7
87.5°	88.5	43.2	63.8	70.0	98.8	183.2	187.3	201.7	197.6	228.4	228.4
90°	86.4	35.0	55.6	53.5	98.8	156.4	144.1	146.1	156.4	193.4	195.5
92.5°	90.5	32.9	57.6	53.5	105.0	123.5	115.2	111.1	123.5	146.1	150.2
95°	80.3	30.9	61.7	57.6	90.5	82.3	74.1	82.3	80.3	80.3	82.3
97.5°	47.3	22.6	59.7	57.6	72.0	43.2	49.4	61.7	47.3	35.0	32.9
100°	20.6	14.4	57.6	55.6	45.3	26.8	41.2	51.4	35.0	14.4	14.4
102.5°	12.3	12.3	41.2	51.4	26.8	14.4	30.9	35.0	20.6	12.3	12.3
105°	12.3	12.3	20.6	30.9	10.3	8.2	14.4	16.5	10.3	10.3	10.3
107.5°	12.3	12.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2	10.3	10.3
110°	12.3	12.3	8.2	10.3	8.2	6.2	6.2	6.2	8.2	10.3	10.3

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 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-SL3-CL

CANDELA DISTRIBUTION (continued):

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