

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: P695426

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5446 lumens
Efficiency: N/A
Efficacy: 102.6 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

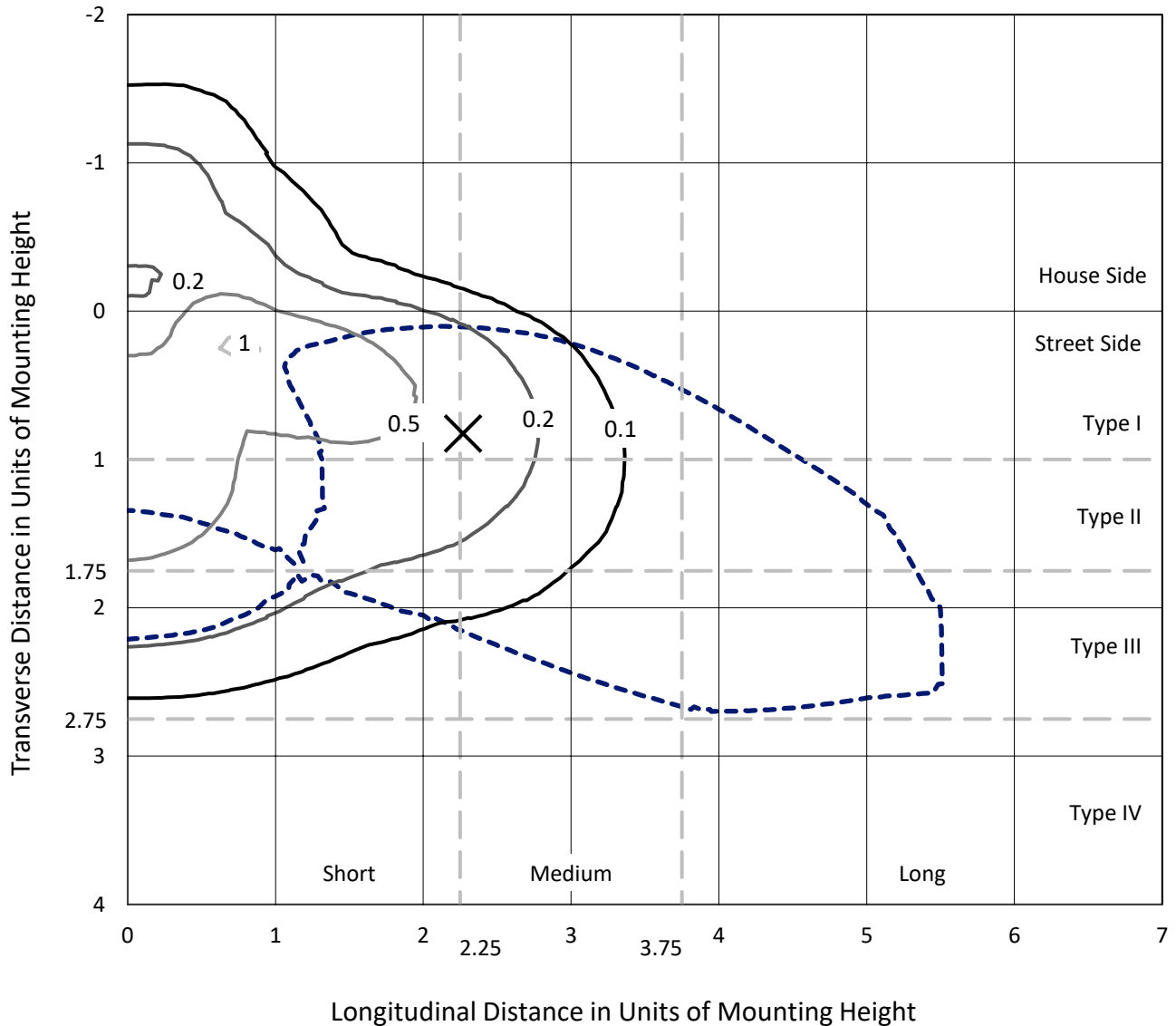
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

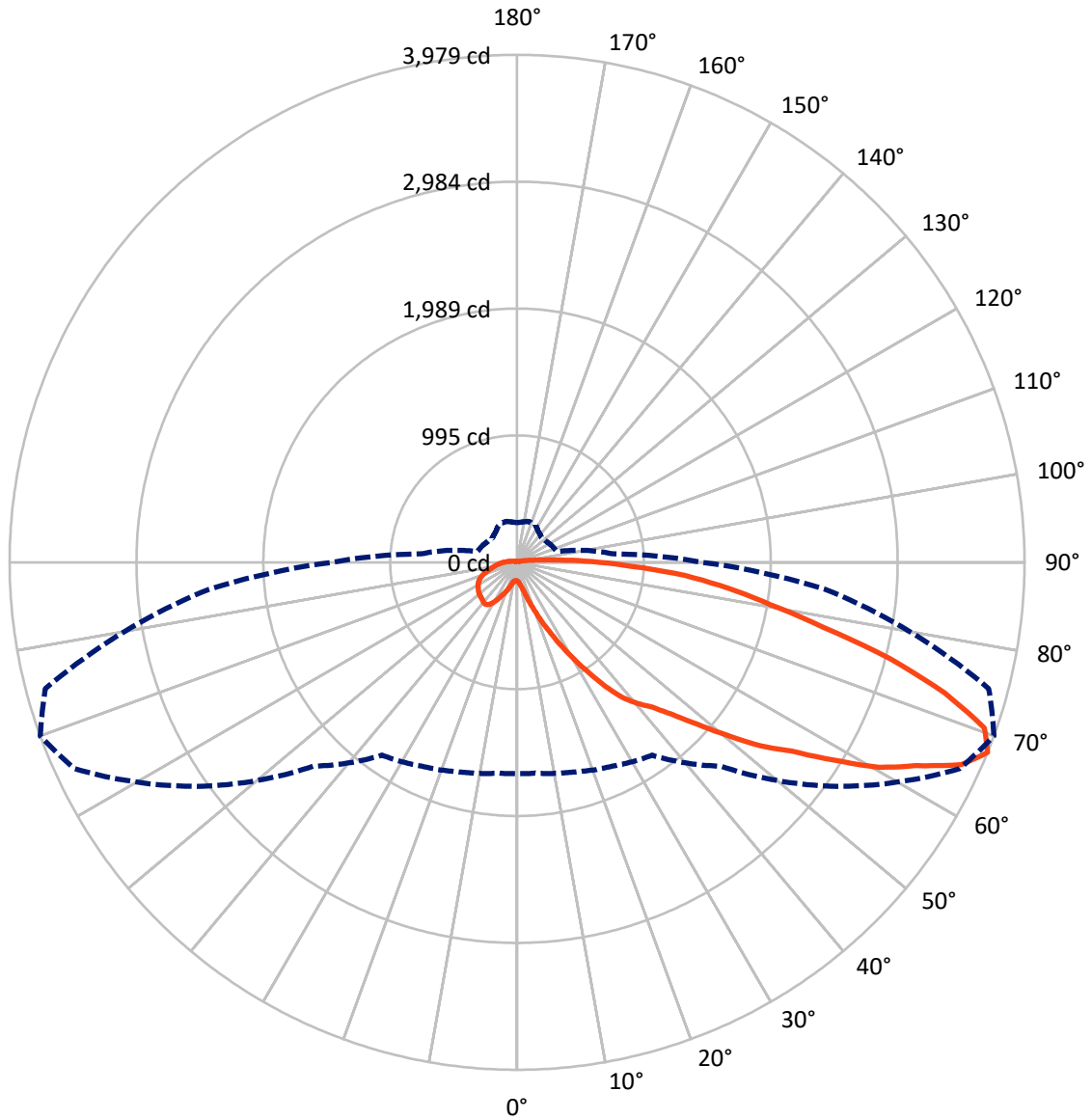
× Max cd
 - - - 1/2 Max cd



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 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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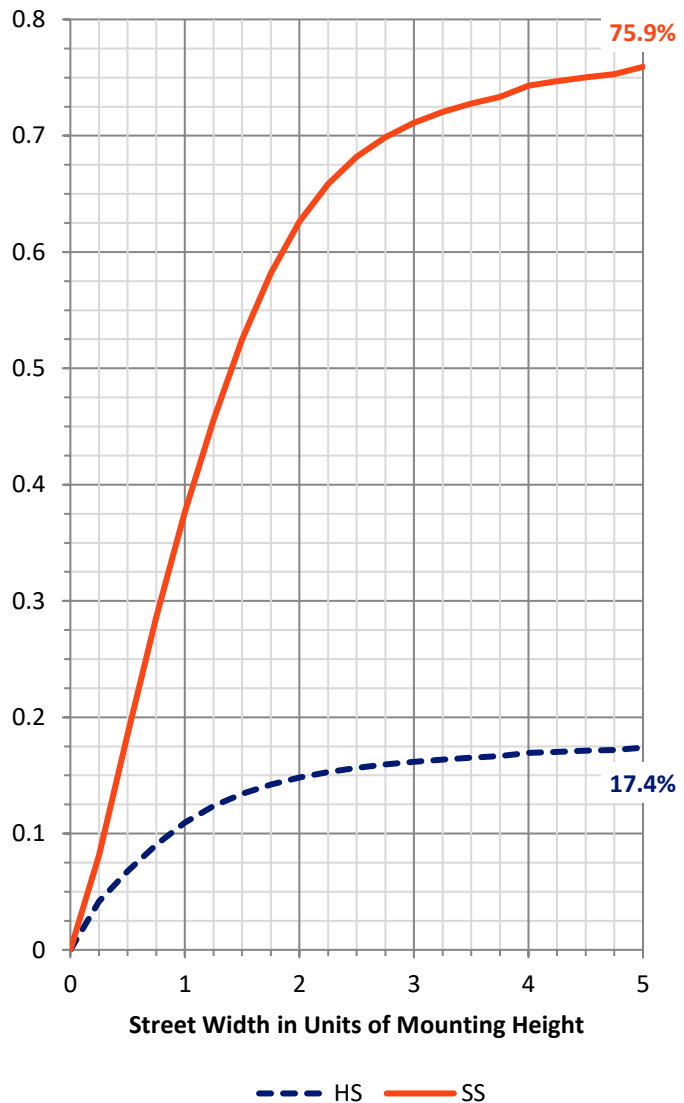
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.8	88.9	1083.7
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	4248.8	113.5	4362.3
	% Fixture	78.0	2.1	80.1
Total	Lumens	5243.6	202.4	5446.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.3
10°-20°	66.4	1.2
20°-30°	196.3	3.6
30°-40°	429.3	7.9
40°-50°	675.7	12.4
50°-60°	1044.8	19.2
60°-70°	1396.4	25.6
70°-80°	988.1	18.1
80°-90°	431.5	7.9
90°-100°	121.4	2.2
100°-110°	38.9	0.7
110°-120°	19.0	0.3
120°-130°	11.6	0.2
130°-140°	7.6	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5243.6	96.3
0°-180°	5446.0	100.0

Coefficient of Utilization

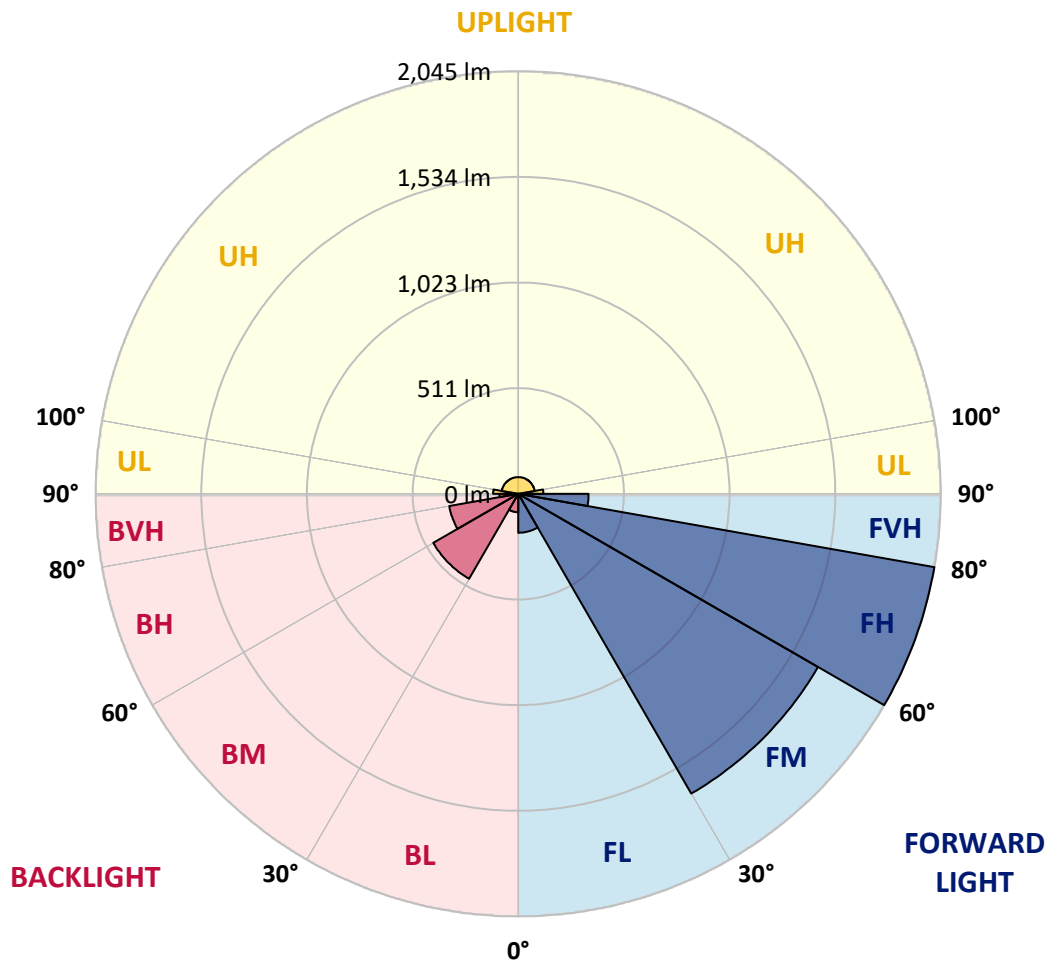


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.5	3.5			
FM (30°-60°)	1674.8	30.8			
FH (60°-80°)	2045.2	37.6			G2/5000
FVH (80°-90°)	340.4	6.2			G3/500
BL (0°-30°)	89.4	1.6	B0/110		
BM (30°-60°)	475.0	8.7	B1/1000		
BH (60°-80°)	339.3	6.2	B1/500		G1/500
BVH (80°-90°)	91.1	1.7			G1/100
UL (90°-100°)	121.4	2.2		U3/500	
UH (100°-180°)	80.9	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°	70°	75°	85°
0°	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2
2.5°	156.4	156.4	158.5	156.4	156.4	156.4	154.4	152.3	150.3	150.3	148.2
5°	172.9	172.9	172.9	172.9	170.8	168.8	166.7	162.6	160.5	158.5	154.4
7.5°	193.5	193.5	193.5	193.5	191.4	189.4	183.2	177.0	175.0	172.9	164.7
10°	224.3	224.3	224.3	220.2	218.2	214.1	207.9	201.7	197.6	193.5	181.1
12.5°	265.5	263.5	263.5	259.3	251.1	242.9	240.8	234.6	230.5	226.4	212.0
15°	317.0	317.0	317.0	306.7	298.4	290.2	288.2	282.0	282.0	275.8	257.3
17.5°	374.6	374.6	366.4	356.1	349.9	345.8	347.8	345.8	343.7	335.5	310.8
20°	438.4	436.3	426.1	411.6	403.4	407.5	413.7	419.9	417.8	407.5	372.5
22.5°	520.7	516.6	498.1	477.5	459.0	465.2	485.7	506.3	512.5	496.0	452.8
25°	609.2	609.2	582.5	551.6	529.0	526.9	555.7	613.4	617.5	615.4	553.7
27.5°	726.6	720.4	683.3	638.1	594.8	596.9	642.2	718.3	743.0	741.0	658.6
30°	854.2	852.1	808.9	743.0	668.9	658.6	732.7	848.0	878.9	891.2	780.1
32.5°	953.0	963.3	909.7	845.9	749.2	722.4	815.1	969.4	1031.2	1035.3	893.3
35°	1064.1	1064.1	1012.7	932.4	819.2	784.2	899.5	1101.2	1195.8	1204.1	1008.5
37.5°	1109.4	1123.8	1084.7	1008.5	885.0	837.7	985.9	1249.4	1346.1	1374.9	1092.9
40°	1169.1	1181.4	1138.2	1055.9	938.6	893.3	1060.0	1360.5	1455.2	1469.6	1119.7
42.5°	1284.3	1294.6	1230.8	1115.6	983.8	940.6	1113.5	1434.6	1549.9	1572.5	1165.0
45°	1401.7	1412.0	1354.3	1218.5	1041.5	985.9	1165.0	1556.0	1696.0	1716.6	1232.9
47.5°	1560.2	1564.3	1488.1	1333.7	1127.9	1039.4	1243.2	1718.6	1893.6	1918.3	1325.5
50°	1733.0	1739.2	1640.4	1467.5	1226.7	1130.0	1354.3	1903.9	2128.2	2167.3	1459.3
52.5°	1905.9	1887.4	1798.9	1619.8	1358.4	1239.1	1484.0	2140.6	2389.6	2412.3	1582.8
55°	2101.5	2072.7	1961.5	1755.7	1504.6	1379.0	1685.7	2369.0	2611.9	2628.4	1718.6
57.5°	2305.2	2278.5	2136.5	1905.9	1652.8	1578.7	1908.0	2620.1	2922.7	2965.9	1926.5
60°	2340.2	2325.8	2222.9	2045.9	1817.4	1794.8	2179.7	2951.5	3264.4	3266.4	2101.5
62.5°	2297.0	2290.8	2196.1	2074.7	1943.0	2019.1	2541.9	3266.4	3511.4	3488.7	2257.9
65°	2089.1	2066.5	2066.5	2006.8	1975.9	2222.9	2861.0	3564.9	3826.3	3756.3	2406.1
67.5°	1656.9	1658.9	1702.2	1763.9	1846.2	2260.0	3062.7	3828.3	3978.6	3828.3	2422.6
70°	1167.0	1197.9	1290.5	1428.4	1591.0	2093.2	3073.0	3797.5	3886.0	3737.8	2315.5
72.5°	854.2	829.5	901.5	1027.1	1272.0	1801.0	2809.5	3503.1	3507.3	3289.1	2004.7
75°	578.4	580.4	631.9	741.0	924.2	1465.5	2441.1	3033.9	3021.5	2770.4	1671.3
77.5°	384.9	389.0	436.3	522.8	695.7	1175.3	2041.8	2509.0	2453.4	2282.6	1339.9
80°	263.5	273.7	300.5	362.3	506.3	930.3	1675.4	2058.2	2013.0	1848.3	1080.6
82.5°	189.4	191.4	218.2	265.5	362.3	712.2	1364.6	1726.9	1665.1	1488.1	862.4
85°	144.1	144.1	162.6	195.5	261.4	543.4	1088.8	1374.9	1319.3	1150.6	644.2
87.5°	105.0	107.0	119.4	148.2	193.5	411.6	835.6	988.0	899.5	794.5	442.5
90°	67.9	72.0	80.3	107.0	144.1	292.3	582.5	646.3	586.6	491.9	286.1
92.5°	43.2	43.2	51.5	72.0	105.0	199.6	366.4	382.8	331.4	300.5	175.0
95°	28.8	30.9	37.0	49.4	74.1	135.8	220.2	222.3	195.5	164.7	111.1
97.5°	24.7	24.7	28.8	37.0	55.6	92.6	129.7	125.6	113.2	100.9	78.2
100°	20.6	20.6	24.7	30.9	45.3	67.9	82.3	80.3	74.1	72.0	61.7
102.5°	18.5	18.5	20.6	26.8	37.0	53.5	59.7	55.6	53.5	53.5	47.3
105°	16.5	16.5	18.5	22.6	30.9	43.2	45.3	41.2	41.2	39.1	37.0
107.5°	14.4	14.4	16.5	18.5	26.8	35.0	35.0	30.9	30.9	30.9	30.9
110°	14.4	14.4	14.4	16.5	22.6	28.8	28.8	24.7	24.7	22.6	24.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.3	12.3	12.3	16.5	20.6	24.7	22.6	20.6	18.5	18.5	20.6
115°	12.3	10.3	12.3	14.4	18.5	20.6	20.6	16.5	16.5	16.5	18.5
117.5°	10.3	10.3	10.3	12.3	16.5	18.5	16.5	14.4	14.4	14.4	16.5
120°	10.3	10.3	10.3	12.3	16.5	16.5	14.4	12.3	12.3	12.3	14.4
122.5°	10.3	10.3	10.3	12.3	14.4	14.4	14.4	12.3	12.3	12.3	14.4
125°	10.3	10.3	10.3	12.3	14.4	14.4	12.3	10.3	10.3	10.3	14.4
127.5°	10.3	10.3	10.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3	12.3
130°	10.3	10.3	10.3	12.3	12.3	10.3	10.3	10.3	10.3	10.3	12.3
132.5°	10.3	10.3	10.3	12.3	12.3	10.3	10.3	8.2	10.3	10.3	12.3
135°	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3
137.5°	10.3	10.3	10.3	10.3	10.3	8.2	6.2	8.2	8.2	8.2	10.3
140°	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	8.2	8.2
142.5°	8.2	8.2	8.2	8.2	6.2	6.2	4.1	6.2	6.2	6.2	8.2
145°	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	4.1	4.1	4.1	2.1	2.1	4.1	4.1	4.1
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°	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2	148.2
2.5°	148.2	146.1	146.1	144.1	142.0	142.0	142.0	142.0	140.0	140.0	140.0
5°	152.3	150.3	146.1	142.0	137.9	133.8	133.8	131.7	131.7	129.7	127.6
7.5°	160.5	156.4	148.2	142.0	135.8	129.7	127.6	125.6	123.5	121.4	121.4
10°	177.0	168.8	156.4	144.1	133.8	125.6	121.4	119.4	117.3	115.3	115.3
12.5°	201.7	193.5	172.9	152.3	135.8	125.6	119.4	117.3	115.3	115.3	115.3
15°	242.9	228.5	197.6	168.8	142.0	127.6	121.4	123.5	127.6	127.6	127.6
17.5°	290.2	271.7	226.4	187.3	154.4	137.9	133.8	137.9	142.0	144.1	144.1
20°	345.8	317.0	257.3	205.8	168.8	156.4	152.3	156.4	162.6	166.7	166.7
22.5°	415.8	370.5	290.2	224.3	187.3	175.0	172.9	177.0	185.2	193.5	191.4
25°	496.0	436.3	327.3	244.9	212.0	195.5	197.6	205.8	220.2	228.5	232.6
27.5°	584.5	504.3	364.3	273.7	234.6	218.2	222.3	236.7	259.3	273.7	273.7
30°	679.2	570.1	401.4	302.6	259.3	240.8	249.0	275.8	300.5	319.0	319.0
32.5°	771.8	633.9	430.2	335.5	286.1	263.5	275.8	310.8	343.7	364.3	366.4
35°	843.9	673.0	444.6	360.2	308.7	282.0	298.4	347.8	391.1	413.7	415.8
37.5°	885.0	685.4	446.6	378.7	327.3	298.4	321.1	378.7	426.1	448.7	448.7
40°	878.9	660.7	432.2	389.0	339.6	312.9	341.7	407.5	454.9	471.3	467.2
42.5°	891.2	650.4	421.9	384.9	343.7	321.1	354.0	421.9	461.0	467.2	463.1
45°	905.6	636.0	411.6	380.8	341.7	325.2	360.2	421.9	454.9	452.8	448.7
47.5°	944.7	633.9	405.5	378.7	339.6	323.1	360.2	419.9	444.6	434.3	430.2
50°	998.2	642.2	401.4	374.6	337.6	319.0	356.1	415.8	438.4	428.1	424.0
52.5°	1047.6	646.3	393.1	370.5	335.5	317.0	354.0	415.8	434.3	413.7	407.5
55°	1111.5	666.9	382.8	362.3	331.4	312.9	352.0	411.6	415.8	391.1	387.0
57.5°	1228.8	706.0	374.6	352.0	325.2	310.8	347.8	397.2	403.4	380.8	374.6
60°	1315.2	734.8	366.4	343.7	314.9	304.6	337.6	389.0	391.1	360.2	354.0
62.5°	1391.4	755.4	352.0	333.4	308.7	298.4	327.3	370.5	364.3	337.6	335.5
65°	1465.5	771.8	341.7	319.0	296.4	286.1	314.9	345.8	347.8	325.2	321.1
67.5°	1451.1	755.4	321.1	302.6	282.0	271.7	292.3	329.3	331.4	314.9	310.8
70°	1364.6	699.8	296.4	284.0	261.4	251.1	269.6	306.7	312.9	300.5	298.4
72.5°	1181.4	605.1	263.5	257.3	238.8	228.5	247.0	277.9	288.2	277.9	273.7
75°	994.1	510.4	234.6	228.5	216.1	205.8	220.2	249.0	261.4	259.3	259.3
77.5°	796.5	409.6	207.9	203.8	193.5	185.2	197.6	222.3	238.8	240.8	236.7
80°	640.1	333.4	183.2	181.1	175.0	168.8	175.0	195.5	214.1	218.2	216.1
82.5°	514.6	277.9	162.6	162.6	156.4	152.3	156.4	175.0	197.6	205.8	203.8
85°	395.2	228.5	146.1	144.1	140.0	137.9	142.0	154.4	179.1	189.4	189.4
87.5°	288.2	181.1	129.7	125.6	123.5	123.5	125.6	137.9	160.5	168.8	166.7
90°	199.6	140.0	111.1	107.0	105.0	107.0	111.1	121.4	137.9	140.0	140.0
92.5°	135.8	107.0	92.6	88.5	88.5	92.6	96.7	105.0	115.3	113.2	111.1
95°	94.7	80.3	74.1	72.0	72.0	76.2	80.3	88.5	94.7	90.6	88.5
97.5°	70.0	63.8	61.7	59.7	57.6	63.8	65.9	70.0	76.2	74.1	72.0
100°	55.6	53.5	51.5	49.4	47.3	51.5	53.5	57.6	61.7	57.6	57.6
102.5°	45.3	45.3	43.2	41.2	41.2	43.2	45.3	47.3	49.4	47.3	45.3
105°	37.0	37.0	37.0	35.0	35.0	37.0	39.1	39.1	41.2	37.0	37.0
107.5°	30.9	30.9	32.9	30.9	30.9	32.9	32.9	32.9	32.9	30.9	30.9
110°	26.8	26.8	26.8	26.8	26.8	28.8	28.8	28.8	28.8	26.8	24.7

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	22.6	22.6	22.6	22.6	24.7	24.7	24.7	24.7	22.6	22.6
115°	18.5	20.6	20.6	20.6	20.6	20.6	22.6	20.6	20.6	20.6	20.6
117.5°	16.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
120°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	18.5	18.5
122.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	16.5	16.5	16.5
125°	14.4	14.4	14.4	14.4	12.3	12.3	14.4	14.4	14.4	14.4	14.4
127.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	14.4
130°	12.3	12.3	12.3	12.3	10.3	10.3	10.3	12.3	12.3	12.3	12.3
132.5°	12.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3
135°	10.3	10.3	10.3	10.3	8.2	8.2	10.3	10.3	10.3	10.3	10.3
137.5°	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3	10.3
140°	8.2	8.2	8.2	6.2	6.2	6.2	8.2	8.2	8.2	8.2	8.2
142.5°	8.2	6.2	6.2	6.2	4.1	4.1	6.2	8.2	8.2	8.2	8.2
145°	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	2.1	2.1	2.1	4.1	6.2	6.2	4.1	4.1
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)