

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: P696047

Luminaire Tested: **LXF.LXT-PA16-827-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5608.9 lumens
Efficiency: N/A
Efficacy: 77.9 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

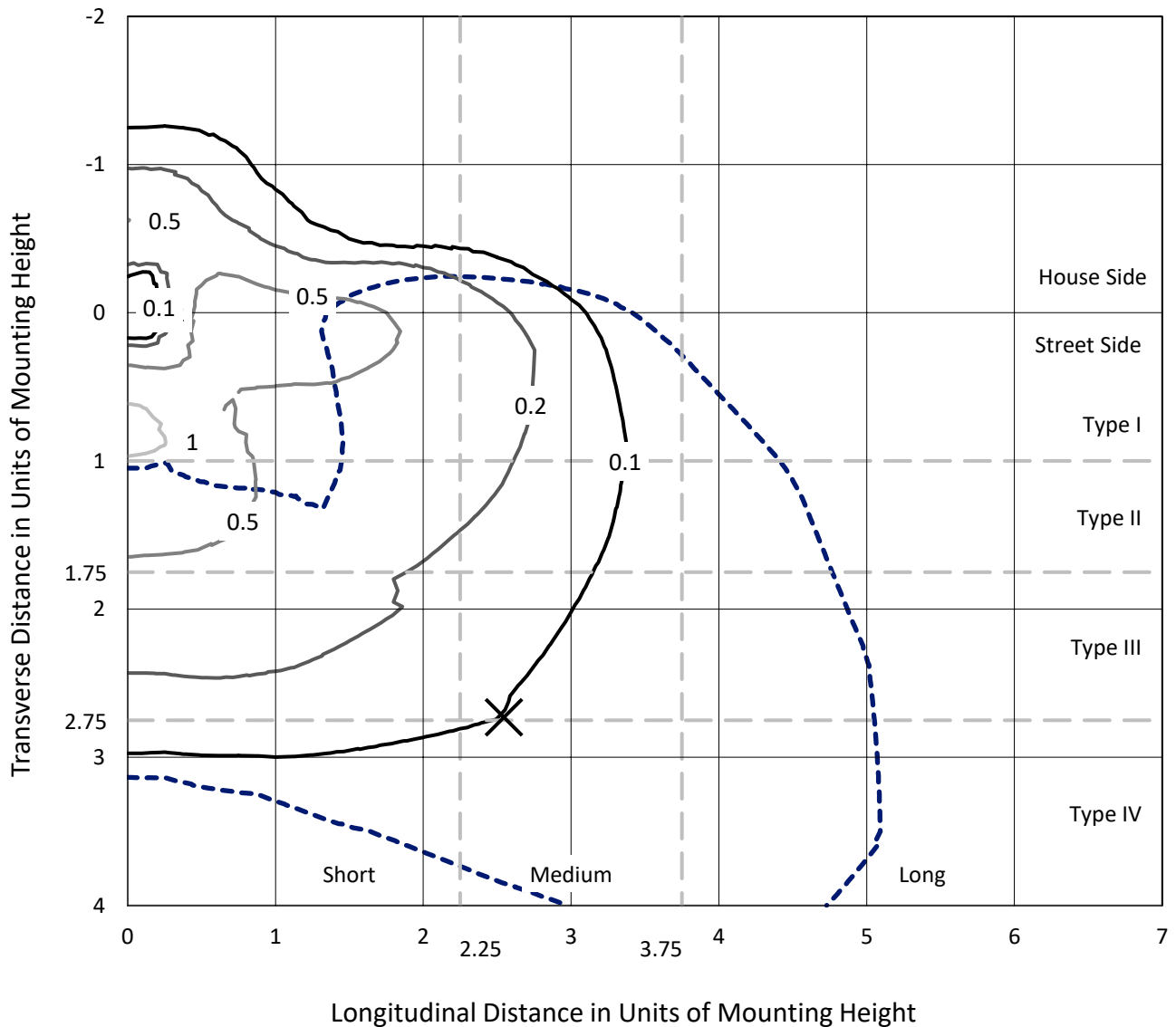
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

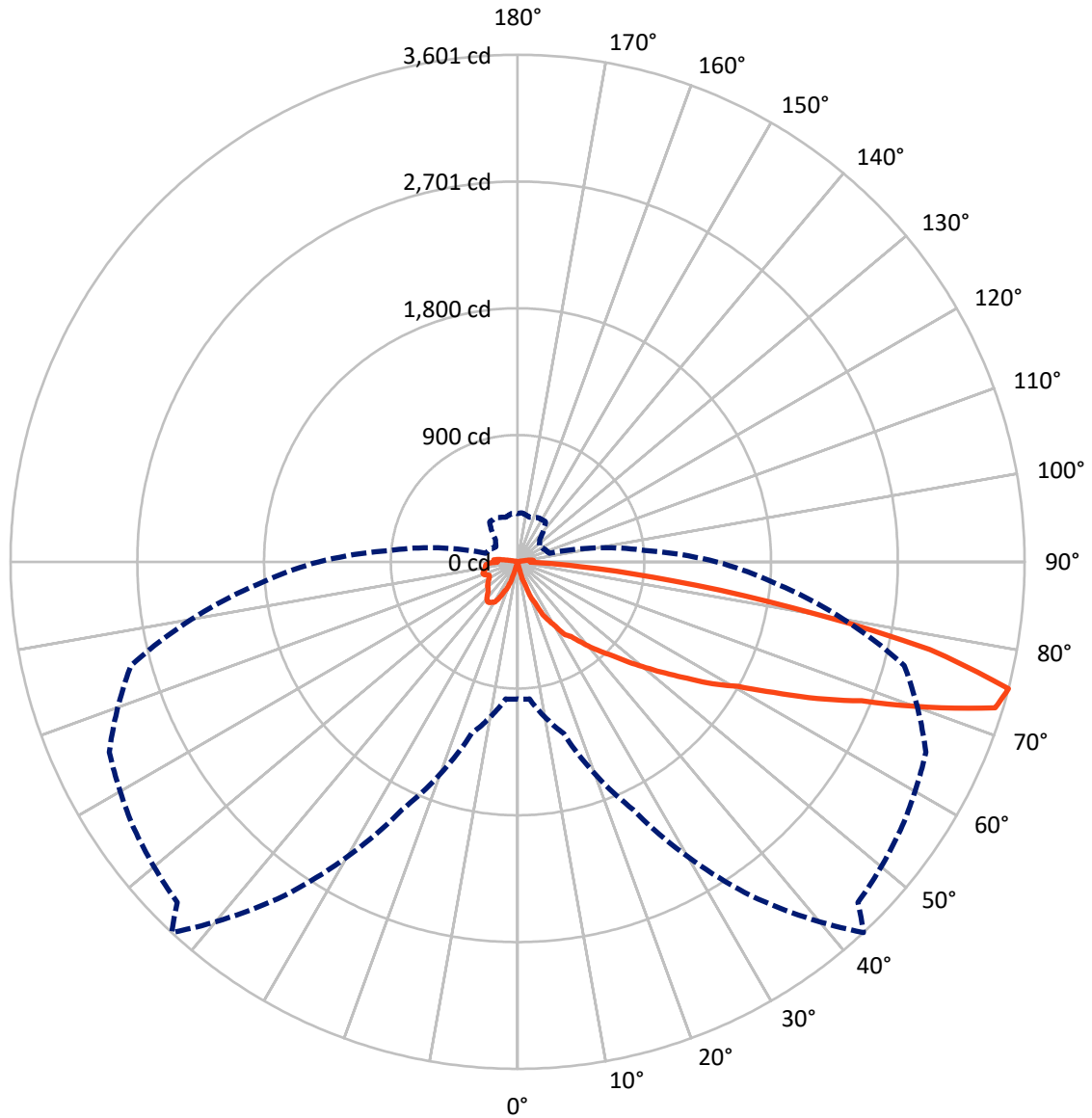
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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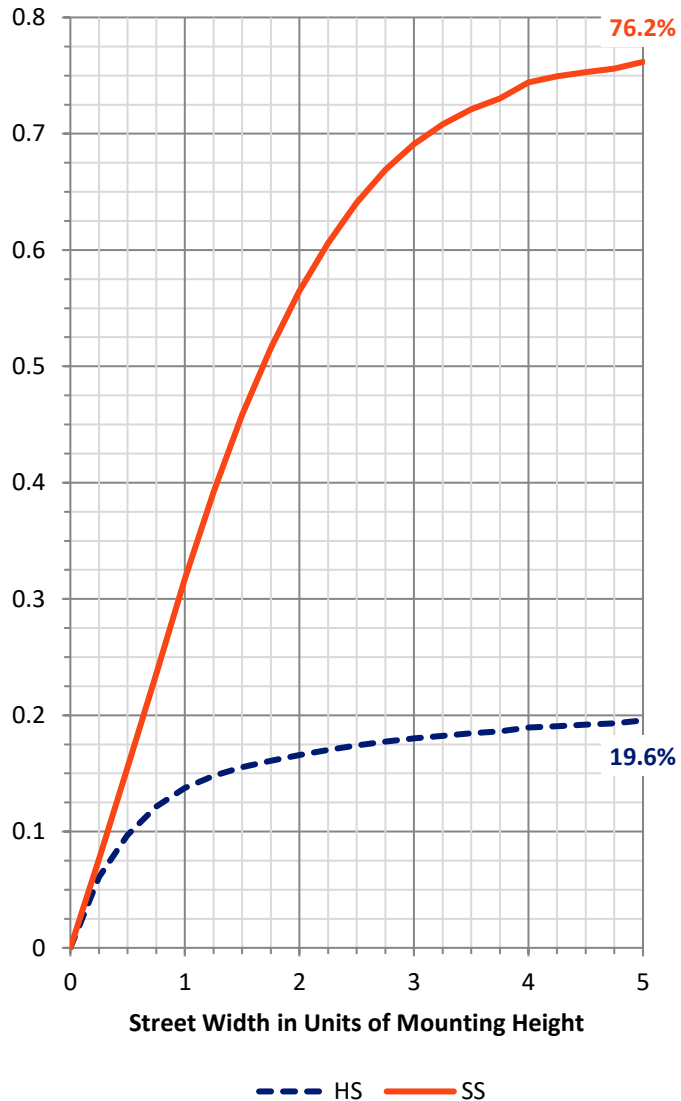
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.7	78.7	1247.3
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	4304.6	57.0	4361.6
	% Fixture	76.7	1.0	77.8
Total	Lumens	5473.2	135.7	5608.9
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	33.3	0.6
20°-30°	182.2	3.2
30°-40°	426.5	7.6
40°-50°	646.1	11.5
50°-60°	1004.9	17.9
60°-70°	1513.8	27.0
70°-80°	1362.2	24.3
80°-90°	303.6	5.4
90°-100°	104.4	1.9
100°-110°	17.1	0.3
110°-120°	5.5	0.1
120°-130°	4.1	0.1
130°-140°	2.5	0.0
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5473.2	97.6
0°-180°	5608.9	100.0

Coefficient of Utilization

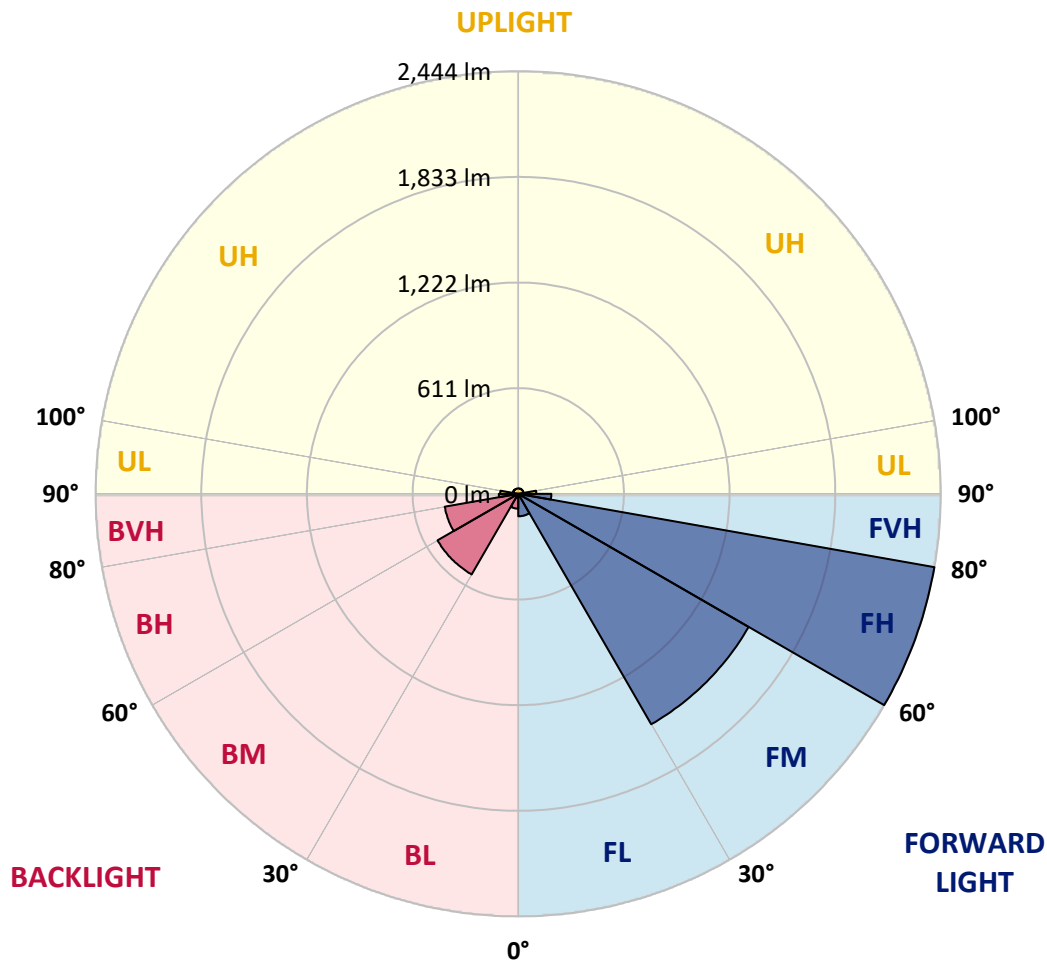


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.0	2.3			
FM (30°-60°)	1539.0	27.4			
FH (60°-80°)	2444.4	43.6			G2/5000
FVH (80°-90°)	191.2	3.4			G2/225
BL (0°-30°)	86.0	1.5	B0/110		
BM (30°-60°)	538.6	9.6	B1/1000		
BH (60°-80°)	431.7	7.7	B1/500		G1/500
BVH (80°-90°)	112.4	2.0			G2/225
UL (90°-100°)	104.4	1.9		U3/500	
UH (100°-180°)	31.2	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	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°	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
7.5°	5.8	5.8	3.9	3.9	5.8	3.9	3.9	3.9	3.9	3.9	3.9
10°	39.0	39.0	35.1	21.4	9.7	5.8	5.8	5.8	3.9	5.8	5.8
12.5°	161.7	161.7	150.0	140.3	42.9	25.3	17.5	9.7	17.5	25.3	33.1
15°	192.9	192.9	185.1	167.6	155.9	122.8	79.9	46.8	126.6	134.4	132.5
17.5°	350.7	302.0	239.7	208.5	175.4	159.8	179.3	146.1	159.8	163.7	161.7
20°	411.1	403.3	385.8	366.3	222.1	270.8	251.4	249.4	194.8	251.4	296.2
22.5°	444.2	444.2	415.0	389.7	395.5	311.8	294.2	282.5	325.4	354.6	352.7
25°	617.7	617.7	592.3	430.6	417.0	415.0	383.8	407.2	409.2	407.2	411.1
27.5°	654.7	648.8	625.5	572.8	463.7	473.5	481.3	454.0	504.7	590.4	584.5
30°	935.3	902.1	732.6	615.7	578.7	530.0	512.4	551.4	604.0	625.5	629.4
32.5°	1085.3	1073.6	995.7	820.3	641.0	617.7	584.5	615.7	627.4	769.6	828.1
35°	1252.9	1231.4	1163.2	927.5	775.5	650.8	637.1	619.6	742.4	806.7	863.2
37.5°	1379.5	1377.6	1317.2	1056.1	861.2	717.0	672.2	689.8	767.7	845.6	898.2
40°	1488.6	1480.8	1453.6	1174.9	933.3	795.0	717.0	730.7	804.7	882.7	943.1
42.5°	1603.6	1597.7	1599.7	1274.3	1024.9	872.9	779.4	769.6	849.5	943.1	1011.3
45°	1736.1	1732.2	1726.3	1422.4	1128.2	952.8	859.3	832.0	939.2	1019.0	1100.9
47.5°	1792.6	1784.8	1825.7	1549.0	1243.1	1063.9	947.0	913.8	1038.5	1132.1	1245.1
50°	1864.7	1856.9	1882.2	1677.6	1379.5	1180.8	1063.9	1013.2	1159.3	1287.9	1434.1
52.5°	2001.1	2071.2	1971.8	1817.9	1568.5	1311.3	1180.8	1141.8	1321.1	1496.4	1743.9
55°	2164.7	2149.2	2096.5	1979.6	1741.9	1459.4	1309.4	1287.9	1537.3	1759.5	2063.4
57.5°	2195.9	2178.4	2221.2	2145.3	1942.6	1634.8	1457.4	1467.2	1755.6	2034.2	2421.9
60°	2268.0	2256.3	2336.2	2377.1	2149.2	1796.5	1611.4	1704.9	1979.6	2314.8	2768.8
62.5°	2344.0	2357.6	2476.5	2536.9	2287.5	2042.0	1821.8	1975.7	2322.6	2618.7	3076.6
65°	2332.3	2351.8	2597.3	2628.5	2457.0	2340.1	2082.9	2283.6	2638.2	2932.4	3300.7
67.5°	2273.9	2293.3	2626.5	2753.2	2688.9	2636.3	2381.0	2616.8	2930.5	3144.8	3370.8
70°	2153.0	2155.0	2484.3	2852.5	2973.4	3092.2	2790.2	2944.1	3216.9	3329.9	3197.4
72.5°	1741.9	1755.6	2065.4	2657.7	3181.8	3546.2	3253.9	3250.0	3370.8	3275.4	2630.4
75°	974.2	978.1	1262.6	1942.6	2897.4	3600.8	3419.5	3320.2	3199.4	2842.8	1858.8
77.5°	296.2	331.2	442.3	987.9	2028.3	2992.8	2944.1	2920.7	2675.2	2005.0	1011.3
80°	150.0	155.9	198.7	341.0	1048.3	1981.6	2024.5	2096.5	1667.9	865.1	469.6
82.5°	85.7	89.6	120.8	181.2	446.2	1106.7	1215.8	1145.7	717.0	407.2	325.4
85°	42.9	42.9	56.5	83.8	208.5	438.4	508.5	411.1	309.8	268.9	263.0
87.5°	23.4	23.4	19.5	25.3	64.3	97.4	113.0	153.9	165.6	169.5	224.1
90°	25.3	25.3	19.5	21.4	46.8	87.7	124.7	150.0	153.9	161.7	228.0
92.5°	25.3	25.3	19.5	19.5	42.9	103.3	142.2	163.7	159.8	173.4	233.8
95°	25.3	23.4	17.5	19.5	37.0	111.1	134.4	173.4	153.9	155.9	194.8
97.5°	15.6	15.6	11.7	15.6	27.3	85.7	93.5	124.7	105.2	70.1	91.6
100°	11.7	11.7	7.8	11.7	15.6	40.9	39.0	60.4	46.8	15.6	23.4
102.5°	11.7	13.6	7.8	7.8	9.7	11.7	13.6	19.5	19.5	11.7	15.6
105°	13.6	13.6	5.8	5.8	5.8	5.8	7.8	7.8	7.8	9.7	15.6
107.5°	11.7	11.7	5.8	3.9	3.9	5.8	5.8	3.9	5.8	7.8	17.5
110°	7.8	7.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.9	5.8	1.9	3.9	1.9	3.9	3.9	3.9	3.9	5.8	7.8
115°	5.8	3.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	5.8	7.8
117.5°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	9.7
120°	5.8	5.8	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.8
122.5°	5.8	5.8	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.8
125°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.8	7.8
127.5°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.8
130°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	7.8
132.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
142.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	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	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9
7.5°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9
10°	5.8	5.8	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9
12.5°	35.1	33.1	23.4	13.6	5.8	3.9	3.9	3.9	5.8	7.8	7.8
15°	134.4	130.5	126.6	115.0	33.1	7.8	5.8	17.5	68.2	95.5	111.1
17.5°	157.8	155.9	152.0	144.2	132.5	44.8	58.5	124.7	148.1	152.0	155.9
20°	290.3	284.5	220.2	165.6	152.0	159.8	140.3	155.9	163.7	169.5	175.4
22.5°	344.9	339.0	321.5	294.2	181.2	210.4	202.6	179.3	272.8	294.2	298.1
25°	403.3	393.6	356.6	327.3	302.0	233.8	251.4	284.5	307.9	323.4	323.4
27.5°	574.8	555.3	508.5	360.5	335.1	286.4	307.9	302.0	341.0	418.9	424.8
30°	621.6	600.1	533.9	446.2	356.6	331.2	317.6	389.7	440.4	457.9	463.7
32.5°	828.1	808.6	691.7	459.8	391.6	331.2	368.3	405.3	440.4	522.2	530.0
35°	869.0	837.8	717.0	530.0	389.7	346.8	370.2	413.1	510.5	547.5	555.3
37.5°	909.9	878.8	715.1	508.5	415.0	352.7	362.4	422.8	475.4	500.8	506.6
40°	966.4	919.7	701.4	473.5	395.5	339.0	358.5	397.5	428.7	436.5	442.3
42.5°	1040.5	976.2	685.9	438.4	366.3	317.6	335.1	364.4	383.8	372.2	372.2
45°	1143.7	1044.4	656.6	403.3	339.0	294.2	315.7	337.1	346.8	325.4	319.5
47.5°	1272.3	1126.2	625.5	370.2	321.5	280.6	304.0	321.5	321.5	292.3	288.4
50°	1428.2	1227.5	584.5	342.9	302.0	272.8	292.3	307.9	298.1	268.9	266.9
52.5°	1665.9	1381.5	545.6	319.5	284.5	265.0	290.3	288.4	274.7	249.4	247.5
55°	1960.2	1582.2	510.5	302.0	272.8	251.4	284.5	276.7	261.1	237.7	237.7
57.5°	2252.4	1802.3	473.5	290.3	259.1	239.7	274.7	270.8	253.3	229.9	228.0
60°	2538.8	2005.0	418.9	280.6	241.6	228.0	263.0	272.8	249.4	226.0	226.0
62.5°	2770.7	2102.4	358.5	265.0	224.1	220.2	257.2	280.6	268.9	259.1	259.1
65°	2846.7	2043.9	311.8	253.3	212.4	214.3	259.1	309.8	313.7	325.4	327.3
67.5°	2794.1	1878.3	280.6	243.6	204.6	224.1	296.2	348.8	339.0	346.8	350.7
70°	2566.1	1634.8	263.0	231.9	204.6	239.7	325.4	348.8	335.1	358.5	360.5
72.5°	2082.9	1323.0	247.5	222.1	196.8	237.7	342.9	344.9	335.1	362.4	358.5
75°	1412.6	911.9	233.8	210.4	187.1	220.2	346.8	344.9	327.3	348.8	342.9
77.5°	713.1	463.7	216.3	196.8	173.4	210.4	342.9	346.8	323.4	341.0	335.1
80°	362.4	298.1	192.9	181.2	157.8	206.5	335.1	342.9	309.8	325.4	323.4
82.5°	278.6	233.8	161.7	157.8	144.2	202.6	323.4	331.2	294.2	305.9	298.1
85°	228.0	185.1	118.9	122.8	130.5	204.6	321.5	327.3	284.5	278.6	274.7
87.5°	192.9	142.2	58.5	62.4	95.5	183.2	274.7	270.8	222.1	220.2	224.1
90°	192.9	130.5	39.0	39.0	77.9	130.5	181.2	163.7	153.9	163.7	161.7
92.5°	190.9	118.9	40.9	40.9	87.7	144.2	204.6	169.5	157.8	161.7	159.8
95°	157.8	97.4	46.8	44.8	76.0	159.8	212.4	173.4	161.7	155.9	155.9
97.5°	79.9	54.6	44.8	44.8	60.4	130.5	169.5	136.4	103.3	85.7	91.6
100°	19.5	21.4	42.9	42.9	37.0	66.2	93.5	83.8	42.9	21.4	19.5
102.5°	15.6	13.6	33.1	37.0	23.4	23.4	42.9	48.7	33.1	9.7	9.7
105°	15.6	13.6	15.6	19.5	11.7	9.7	15.6	27.3	15.6	9.7	9.7
107.5°	17.5	15.6	7.8	7.8	7.8	7.8	7.8	9.7	7.8	9.7	9.7
110°	15.6	13.6	7.8	7.8	5.8	7.8	5.8	7.8	7.8	9.7	9.7

REPORT NUMBER: P696047
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	9.7	5.8	5.8	5.8	5.8	5.8	5.8	7.8	9.7	9.7
115°	9.7	9.7	5.8	5.8	3.9	5.8	5.8	5.8	7.8	11.7	11.7
117.5°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	5.8	7.8	11.7	11.7
120°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
122.5°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
125°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	5.8	11.7	11.7
127.5°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	5.8	9.7	11.7
130°	7.8	7.8	3.9	3.9	1.9	1.9	3.9	3.9	5.8	9.7	9.7
132.5°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7	9.7
135°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	3.9	5.8	7.8	7.8
137.5°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
140°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
142.5°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
145°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
147.5°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
150°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
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)