

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: P695162

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695162
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-PA16-40-750-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA 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: 4603 lumens
Efficiency: N/A
Efficacy: 114.5 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

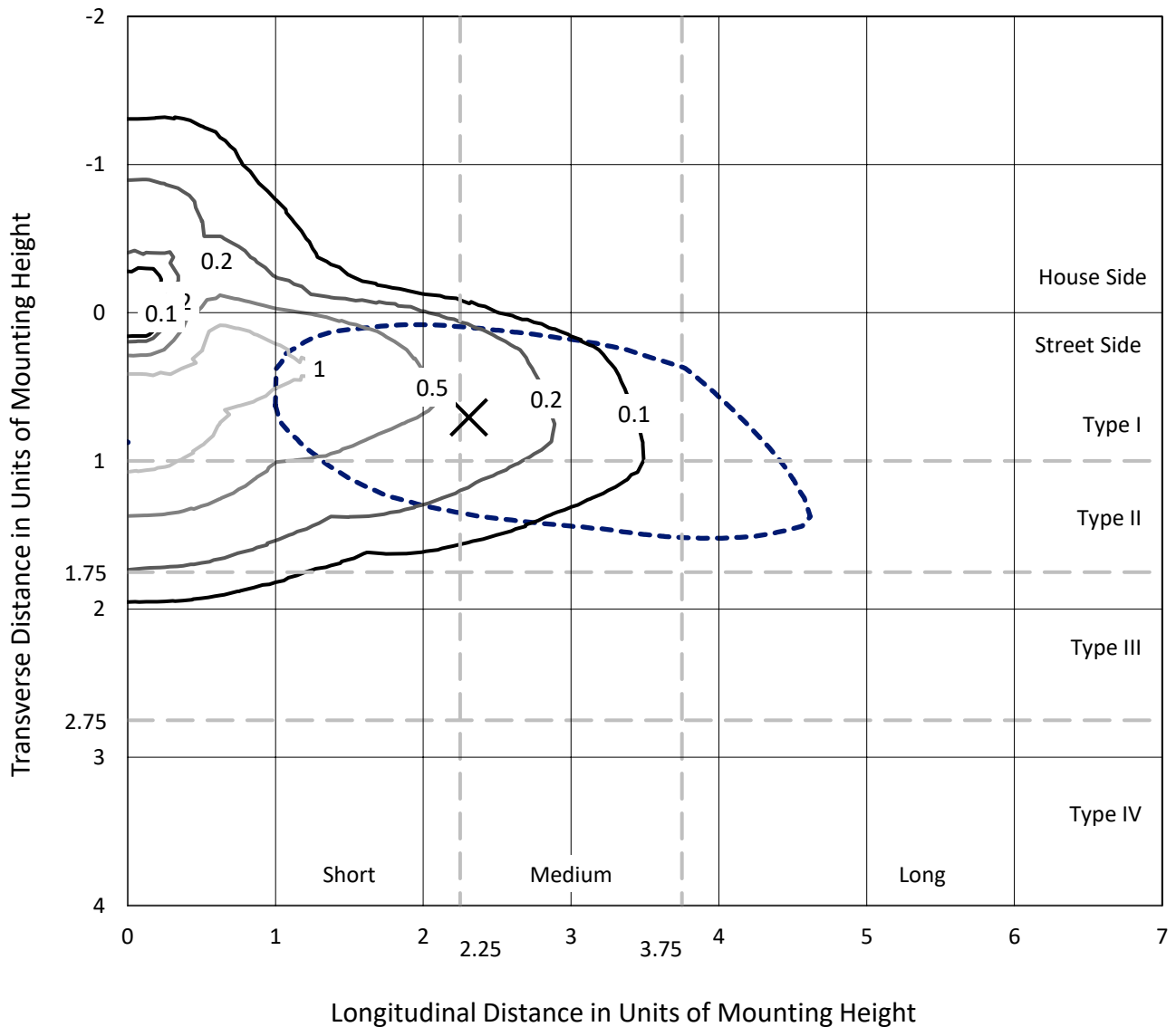
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

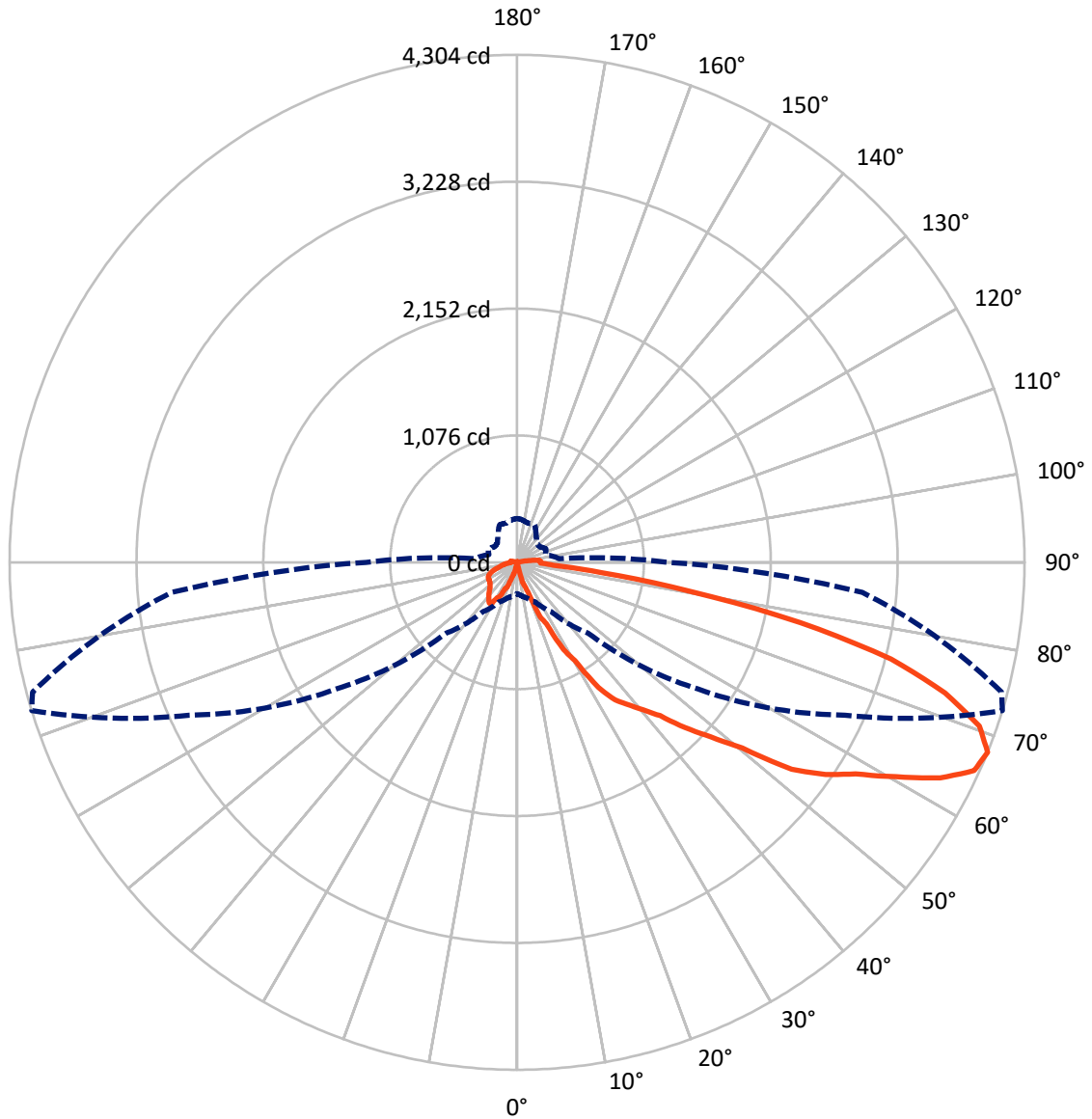
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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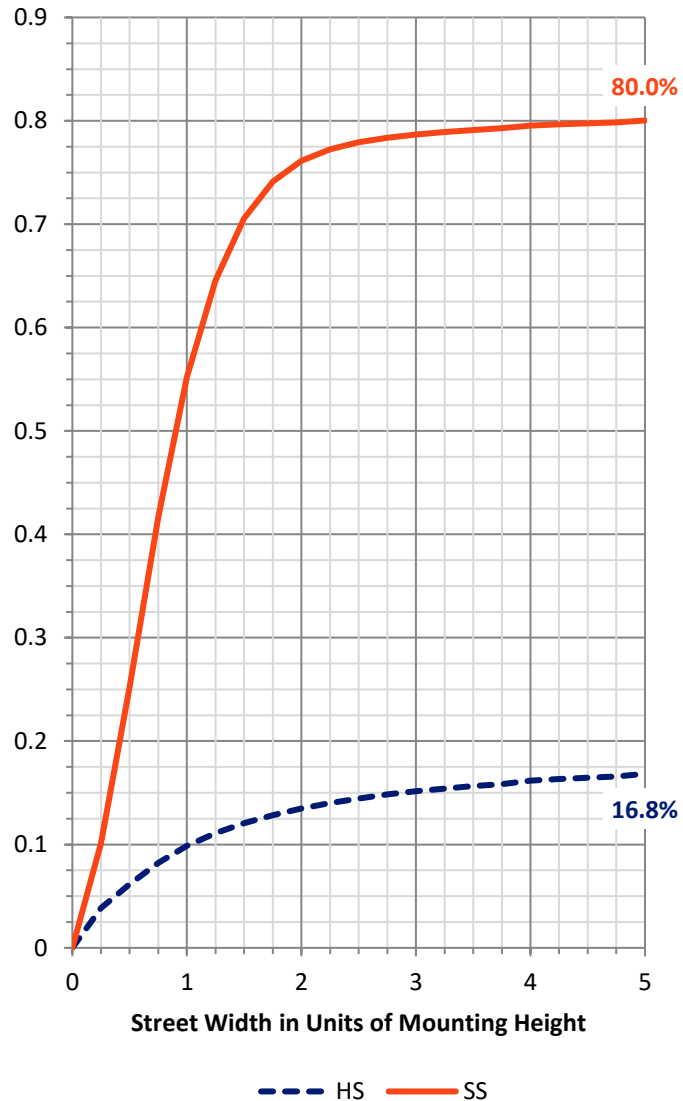
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.7	34.6	848.3
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	3712.1	42.6	3754.7
	% Fixture	80.6	0.9	81.6
Total	Lumens	4525.8	77.2	4603.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	37.2	0.8
20°-30°	230.4	5.0
30°-40°	579.6	12.6
40°-50°	837.0	18.2
50°-60°	1023.6	22.2
60°-70°	1009.2	21.9
70°-80°	634.9	13.8
80°-90°	173.6	3.8
90°-100°	50.5	1.1
100°-110°	10.8	0.2
110°-120°	5.5	0.1
120°-130°	4.6	0.1
130°-140°	3.2	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4525.8	98.3
0°-180°	4603.0	100.0

Coefficient of Utilization

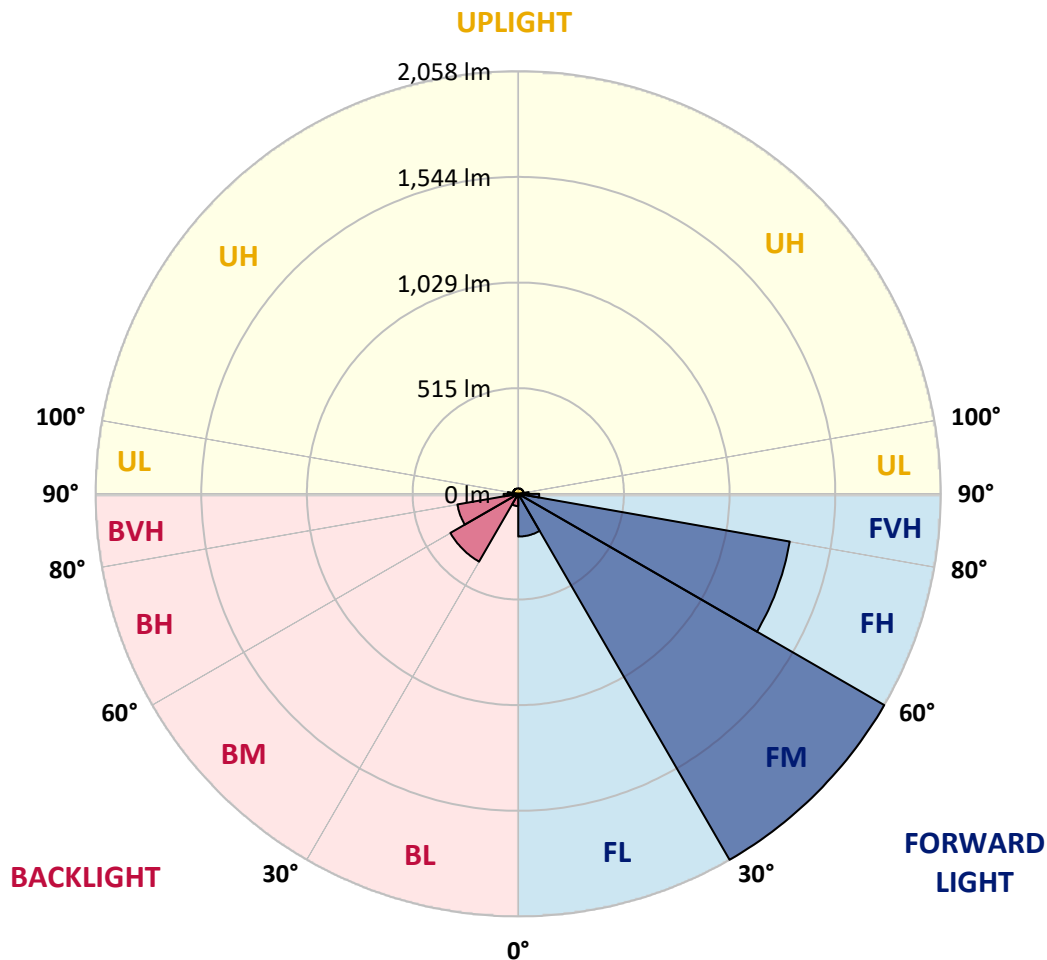


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.3	4.5			
FM (30°-60°)	2058.5	44.7			
FH (60°-80°)	1343.1	29.2			G1/1800
FVH (80°-90°)	102.3	2.2			G2/225
BL (0°-30°)	59.7	1.3	B0/110		
BM (30°-60°)	381.7	8.3	B1/1000		
BH (60°-80°)	301.0	6.5	B1/500		G1/500
BVH (80°-90°)	71.3	1.5			G1/100
UL (90°-100°)	50.5	1.1		U3/500	
UH (100°-180°)	26.8	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3
5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3
7.5°	6.5	8.2	6.5	6.5	6.5	6.5	6.5	4.9	3.3	3.3	3.3
10°	27.8	26.2	18.0	16.3	9.8	8.2	6.5	4.9	4.9	4.9	4.9
12.5°	219.0	217.4	212.5	191.2	32.7	16.3	9.8	13.1	18.0	21.2	24.5
15°	251.7	255.0	250.1	245.2	237.0	78.5	34.3	189.6	176.5	170.0	130.8
17.5°	454.4	340.0	299.1	292.6	274.6	230.5	209.2	232.1	210.9	204.3	158.5
20°	624.4	621.1	609.7	588.4	330.2	420.1	402.1	273.0	276.2	292.6	312.2
22.5°	697.9	694.7	680.0	657.1	686.5	483.8	456.0	506.7	501.8	487.1	377.6
25°	1144.2	1129.5	1049.4	765.0	766.6	675.1	699.6	652.2	575.4	560.6	439.7
27.5°	1240.6	1248.8	1229.2	1116.4	877.7	899.0	768.2	750.3	836.9	861.4	665.3
30°	1659.1	1698.3	1510.3	1273.3	1150.7	982.4	941.5	1029.8	967.6	939.9	727.4
32.5°	1938.6	1920.6	1884.6	1588.8	1306.0	1176.9	1175.2	1136.0	1266.8	1263.5	1021.6
35°	2049.7	2035.0	1999.0	1740.8	1502.1	1381.2	1278.2	1412.2	1433.5	1379.5	1090.2
37.5°	2133.1	2116.7	2074.2	1796.4	1659.1	1464.5	1507.0	1513.6	1533.2	1521.8	1150.7
40°	2138.0	2128.2	2098.7	1874.8	1745.7	1529.9	1632.9	1647.6	1642.7	1672.1	1227.5
42.5°	2120.0	2100.4	2082.4	1889.5	1791.4	1580.6	1729.3	1814.3	1778.4	1820.9	1317.4
45°	2049.7	2026.8	2018.6	1889.5	1784.9	1614.9	1842.1	1971.2	1999.0	1961.4	1415.5
47.5°	1930.4	1925.5	1928.7	1845.4	1778.4	1654.1	1950.0	2090.6	2211.5	2152.7	1559.3
50°	1809.4	1817.6	1840.5	1794.7	1758.8	1677.0	2087.3	2296.5	2474.7	2394.6	1775.1
52.5°	1618.2	1629.6	1695.0	1713.0	1703.2	1675.4	2193.5	2574.4	2916.0	2804.9	1999.0
55°	1443.3	1449.8	1494.0	1559.3	1596.9	1641.1	2236.0	2697.0	3175.9	3050.0	2144.5
57.5°	1243.9	1230.8	1288.0	1382.8	1467.8	1593.7	2280.2	2793.4	3385.1	3316.5	2334.1
60°	1006.9	979.1	1062.4	1150.7	1279.8	1495.6	2308.0	2960.1	3692.4	3653.2	2610.3
62.5°	678.3	691.4	774.8	894.1	1073.9	1330.5	2276.9	3112.2	4025.9	4003.0	2840.8
65°	426.6	444.6	498.5	601.5	784.6	1119.7	2146.1	3184.1	4258.0	4218.7	2973.2
67.5°	266.4	277.9	312.2	374.3	514.9	848.3	1874.8	3068.0	4303.7	4253.1	2940.5
70°	220.7	223.9	228.8	243.5	317.1	586.8	1490.7	2767.3	4158.3	4166.4	2804.9
72.5°	197.8	201.0	201.0	199.4	204.3	367.8	1062.4	2347.2	3795.4	3795.4	2535.2
75°	181.4	183.1	178.2	176.5	173.3	228.8	648.9	1860.1	3277.2	3215.1	2118.4
77.5°	160.2	163.5	158.5	158.5	156.9	174.9	375.9	1418.8	2455.1	2350.5	1428.6
80°	137.3	137.3	137.3	137.3	138.9	138.9	235.4	974.2	1479.3	1363.2	771.5
82.5°	109.5	107.9	111.1	117.7	114.4	106.2	181.4	567.2	717.6	650.5	380.8
85°	42.5	52.3	60.5	73.6	76.8	73.6	138.9	279.5	305.7	326.9	235.4
87.5°	24.5	24.5	19.6	19.6	21.2	29.4	86.6	168.4	197.8	222.3	207.6
90°	26.2	26.2	19.6	18.0	18.0	24.5	75.2	153.6	201.0	223.9	210.9
92.5°	27.8	27.8	19.6	18.0	18.0	19.6	62.1	137.3	199.4	228.8	206.0
95°	24.5	26.2	18.0	16.3	18.0	18.0	45.8	109.5	184.7	188.0	192.9
97.5°	16.3	18.0	11.4	13.1	16.3	14.7	24.5	63.7	98.1	75.2	89.9
100°	9.8	11.4	8.2	9.8	11.4	11.4	13.1	27.8	24.5	16.3	16.3
102.5°	9.8	9.8	6.5	8.2	8.2	6.5	6.5	11.4	9.8	9.8	16.3
105°	9.8	9.8	6.5	6.5	4.9	4.9	4.9	8.2	8.2	9.8	16.3
107.5°	6.5	8.2	4.9	4.9	4.9	4.9	3.3	4.9	8.2	8.2	18.0
110°	4.9	4.9	3.3	3.3	3.3	4.9	3.3	4.9	6.5	8.2	13.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.3	4.9	3.3	3.3	3.3	3.3	3.3	4.9	6.5	6.5	8.2
115°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	6.5	9.8
117.5°	4.9	4.9	3.3	3.3	1.6	3.3	3.3	3.3	4.9	6.5	9.8
120°	4.9	4.9	3.3	3.3	1.6	1.6	3.3	3.3	6.5	6.5	9.8
122.5°	4.9	4.9	3.3	1.6	1.6	1.6	3.3	3.3	4.9	6.5	9.8
125°	4.9	4.9	3.3	1.6	1.6	1.6	3.3	3.3	4.9	6.5	8.2
127.5°	4.9	4.9	3.3	1.6	1.6	1.6	3.3	3.3	4.9	4.9	8.2
130°	4.9	4.9	3.3	1.6	1.6	1.6	3.3	3.3	4.9	4.9	8.2
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.5
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
140°	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
145°	6.5	6.5	6.5	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	6.5	6.5	6.5	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
150°	6.5	8.2	6.5	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
7.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
10°	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	1.6
12.5°	24.5	24.5	18.0	8.2	3.3	1.6	1.6	1.6	4.9	4.9	4.9
15°	119.3	107.9	96.4	85.0	22.9	3.3	3.3	14.7	55.6	78.5	81.7
17.5°	138.9	125.9	112.8	103.0	91.5	34.3	37.6	98.1	101.3	103.0	101.3
20°	268.1	238.6	155.3	117.7	101.3	106.2	93.2	104.6	112.8	116.1	116.1
22.5°	318.7	274.6	235.4	206.0	121.0	145.5	135.7	121.0	188.0	192.9	194.5
25°	369.4	312.2	253.4	219.0	210.9	150.4	160.2	184.7	199.4	202.7	201.0
27.5°	539.4	444.6	354.7	237.0	223.9	188.0	201.0	194.5	212.5	259.9	264.8
30°	580.3	462.6	361.2	287.7	235.4	220.7	207.6	253.4	274.6	274.6	276.2
32.5°	804.2	617.9	444.6	287.7	259.9	222.3	248.4	264.8	277.9	297.5	290.9
35°	841.8	624.4	439.7	333.4	259.9	233.7	256.6	273.0	333.4	340.0	338.3
37.5°	872.8	617.9	415.2	323.6	281.1	248.4	261.5	312.2	336.7	335.1	331.8
40°	907.2	608.0	390.7	317.1	279.5	250.1	279.5	313.8	328.5	320.4	312.2
42.5°	946.4	593.3	369.4	302.4	273.0	251.7	281.1	305.7	304.0	299.1	294.2
45°	997.1	577.0	344.9	289.3	269.7	248.4	276.2	284.4	295.9	292.6	289.3
47.5°	1072.3	560.6	323.6	277.9	266.4	243.5	279.5	289.3	299.1	290.9	289.3
50°	1183.4	537.8	305.7	274.6	264.8	258.3	256.6	297.5	305.7	286.0	282.8
52.5°	1258.6	511.6	295.9	271.3	259.9	251.7	273.0	294.2	302.4	279.5	277.9
55°	1309.3	474.0	287.7	271.3	256.6	237.0	295.9	300.8	300.8	274.6	271.3
57.5°	1364.8	447.9	282.8	276.2	255.0	220.7	308.9	307.3	300.8	266.4	268.1
60°	1444.9	431.5	277.9	281.1	255.0	225.6	304.0	322.0	300.8	271.3	281.1
62.5°	1490.7	415.2	274.6	282.8	251.7	225.6	294.2	343.3	325.3	304.0	305.7
65°	1426.9	393.9	264.8	281.1	246.8	230.5	284.4	351.4	348.2	338.3	340.0
67.5°	1281.5	358.0	246.8	269.7	230.5	233.7	279.5	351.4	344.9	366.1	371.0
70°	1119.7	315.5	220.7	250.1	219.0	230.5	290.9	340.0	340.0	379.2	387.4
72.5°	948.0	258.3	191.2	228.8	219.0	223.9	304.0	326.9	326.9	379.2	377.6
75°	778.0	206.0	160.2	196.1	202.7	223.9	302.4	312.2	304.0	346.5	338.3
77.5°	568.8	163.5	137.3	165.1	183.1	223.9	292.6	290.9	277.9	297.5	294.2
80°	349.8	129.1	116.1	140.6	153.6	214.1	276.2	264.8	241.9	251.7	248.4
82.5°	202.7	96.4	98.1	119.3	122.6	196.1	250.1	230.5	206.0	210.9	206.0
85°	130.8	62.1	76.8	91.5	96.4	160.2	214.1	194.5	166.7	215.8	206.0
87.5°	101.3	36.0	52.3	60.5	58.8	70.3	122.6	116.1	114.4	93.2	89.9
90°	94.8	31.1	52.3	52.3	42.5	34.3	47.4	49.0	40.9	44.1	39.2
92.5°	85.0	31.1	55.6	52.3	37.6	27.8	39.2	39.2	31.1	29.4	27.8
95°	70.3	27.8	58.8	53.9	34.3	24.5	32.7	31.1	24.5	22.9	21.2
97.5°	37.6	18.0	55.6	49.0	31.1	22.9	29.4	26.2	18.0	16.3	14.7
100°	13.1	11.4	53.9	42.5	26.2	18.0	21.2	19.6	11.4	9.8	8.2
102.5°	11.4	9.8	31.1	31.1	16.3	9.8	13.1	13.1	9.8	8.2	8.2
105°	13.1	9.8	11.4	16.3	8.2	4.9	6.5	8.2	8.2	9.8	9.8
107.5°	13.1	9.8	8.2	8.2	6.5	4.9	4.9	4.9	8.2	9.8	9.8
110°	11.4	9.8	6.5	8.2	6.5	4.9	4.9	4.9	8.2	11.4	11.4

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	8.2	6.5	6.5	4.9	4.9	4.9	4.9	8.2	11.4	13.1
115°	8.2	8.2	4.9	4.9	4.9	4.9	3.3	4.9	8.2	13.1	14.7
117.5°	9.8	8.2	4.9	4.9	3.3	3.3	3.3	4.9	9.8	14.7	16.3
120°	9.8	8.2	4.9	4.9	3.3	3.3	3.3	4.9	9.8	16.3	16.3
122.5°	9.8	8.2	4.9	4.9	3.3	3.3	3.3	4.9	9.8	16.3	16.3
125°	8.2	8.2	4.9	4.9	3.3	3.3	3.3	4.9	9.8	16.3	16.3
127.5°	8.2	6.5	4.9	3.3	3.3	3.3	3.3	4.9	9.8	14.7	16.3
130°	6.5	6.5	4.9	3.3	3.3	3.3	3.3	4.9	9.8	14.7	14.7
132.5°	6.5	6.5	4.9	3.3	3.3	3.3	3.3	4.9	8.2	13.1	13.1
135°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	6.5	9.8	9.8
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.5	6.5
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
142.5°	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	4.9	4.9	4.9
145°	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	4.9	3.3
147.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	3.3	4.9	4.9	3.3
150°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	4.9	4.9	3.3
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)