

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: P695336

Luminaire Tested: **LXF.LXT-PA16-50-730-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695336
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-PA16-50-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4972 lumens
Efficiency: N/A
Efficacy: 93.6 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

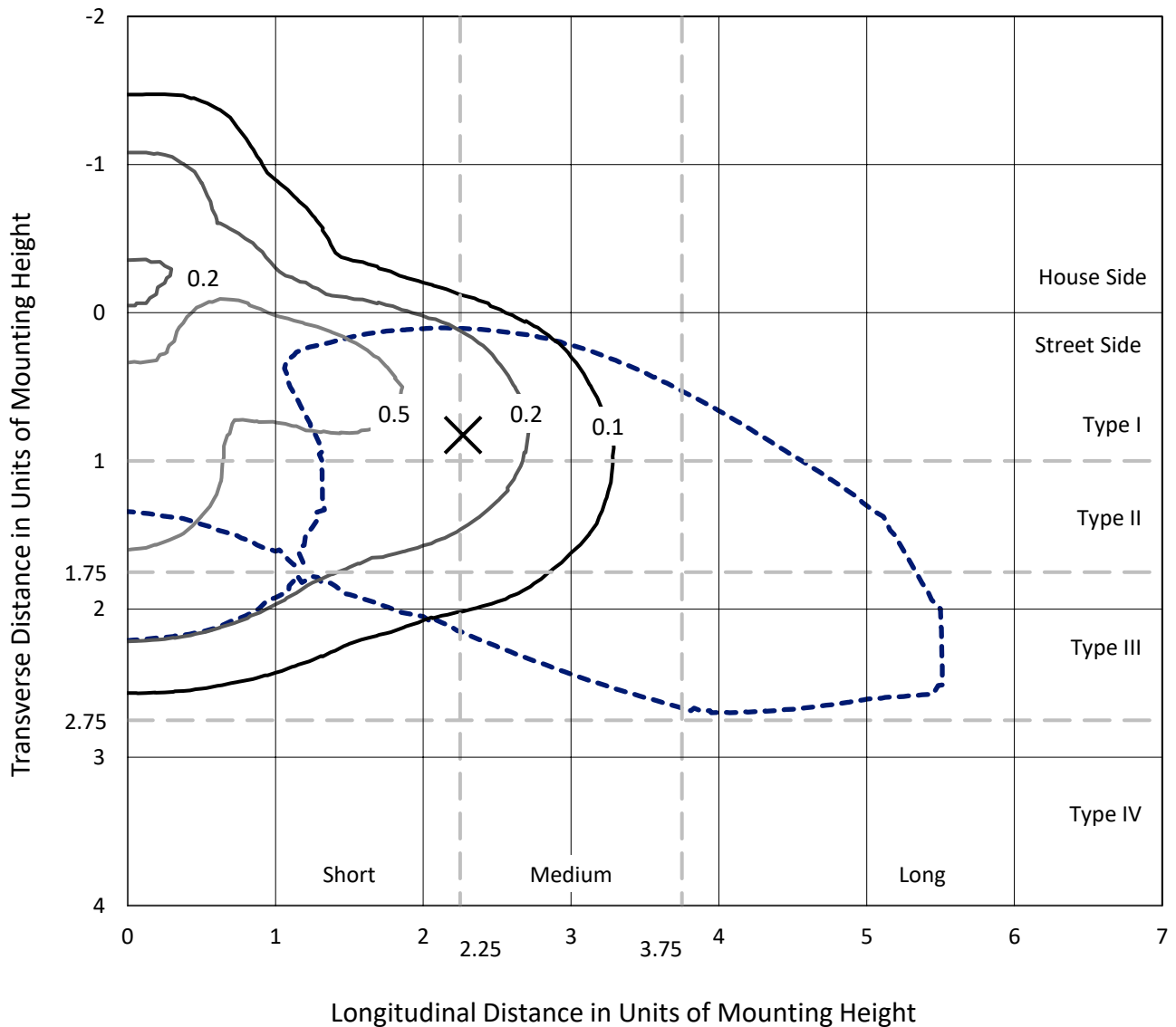
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

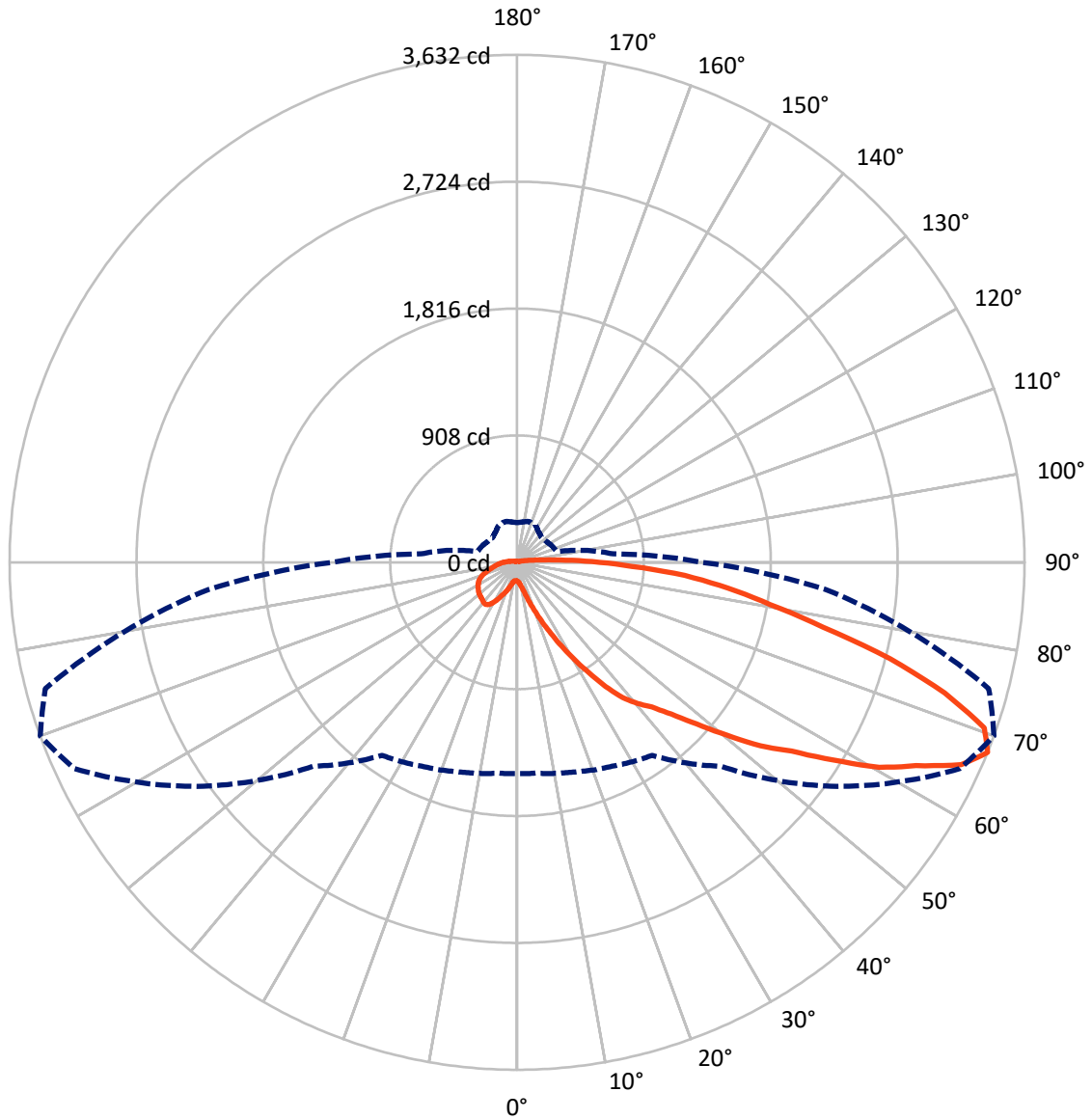
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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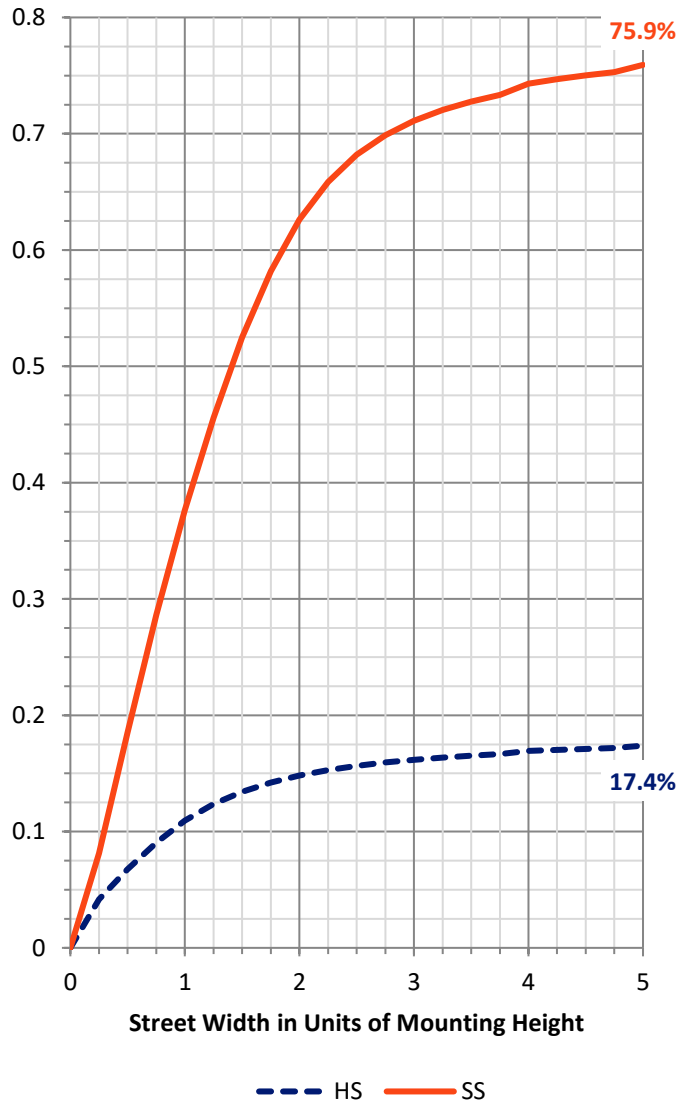
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.2	81.2	989.4
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	3879.0	103.6	3982.6
	% Fixture	78.0	2.1	80.1
Total	Lumens	4787.2	184.8	4972.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.3
10°-20°	60.6	1.2
20°-30°	179.3	3.6
30°-40°	391.9	7.9
40°-50°	616.9	12.4
50°-60°	953.9	19.2
60°-70°	1274.9	25.6
70°-80°	902.1	18.1
80°-90°	393.9	7.9
90°-100°	110.9	2.2
100°-110°	35.5	0.7
110°-120°	17.3	0.3
120°-130°	10.7	0.2
130°-140°	6.9	0.1
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4787.2	96.3
0°-180°	4972.0	100.0

Coefficient of Utilization

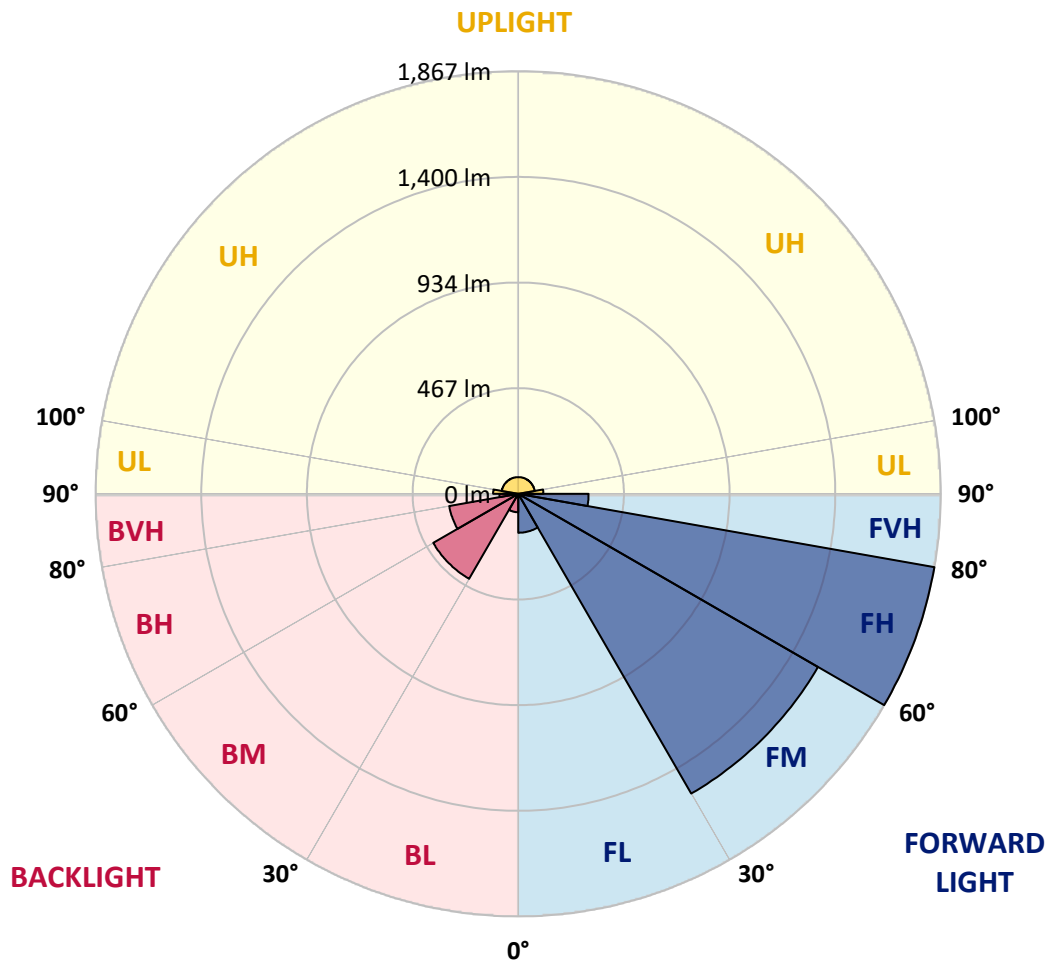


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.1	3.5			
FM (30°-60°)	1529.0	30.8			
FH (60°-80°)	1867.2	37.6			G2/5000
FVH (80°-90°)	310.7	6.2			G3/500
BL (0°-30°)	81.6	1.6	B0/110		
BM (30°-60°)	433.6	8.7	B1/1000		
BH (60°-80°)	309.8	6.2	B1/500		G1/500
BVH (80°-90°)	83.2	1.7			G1/100
UL (90°-100°)	110.9	2.2		U3/500	
UH (100°-180°)	73.9	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°	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3
2.5°	142.8	142.8	144.7	142.8	142.8	142.8	140.9	139.1	137.2	137.2	135.3
5°	157.8	157.8	157.8	157.8	156.0	154.1	152.2	148.4	146.6	144.7	140.9
7.5°	176.6	176.6	176.6	176.6	174.8	172.9	167.2	161.6	159.7	157.8	150.3
10°	204.8	204.8	204.8	201.1	199.2	195.4	189.8	184.2	180.4	176.6	165.4
12.5°	242.4	240.5	240.5	236.8	229.3	221.7	219.9	214.2	210.5	206.7	193.5
15°	289.4	289.4	289.4	280.0	272.5	265.0	263.1	257.4	257.4	251.8	234.9
17.5°	342.0	342.0	334.5	325.1	319.4	315.7	317.6	315.7	313.8	306.3	283.7
20°	400.2	398.4	389.0	375.8	368.3	372.1	377.7	383.3	381.5	372.1	340.1
22.5°	475.4	471.7	454.7	436.0	419.0	424.7	443.5	462.3	467.9	452.9	413.4
25°	556.2	556.2	531.8	503.6	482.9	481.1	507.4	560.0	563.7	561.9	505.5
27.5°	663.3	657.7	623.9	582.5	543.1	544.9	586.3	655.8	678.4	676.5	601.3
30°	779.8	777.9	738.5	678.4	610.7	601.3	669.0	774.2	802.4	813.7	712.2
32.5°	870.0	879.4	830.6	772.3	684.0	659.6	744.1	885.1	941.4	945.2	815.5
35°	971.5	971.5	924.5	851.2	747.9	715.9	821.2	1005.3	1091.8	1099.3	920.8
37.5°	1012.8	1026.0	990.3	920.8	808.0	764.8	900.1	1140.6	1228.9	1255.2	997.8
40°	1067.3	1078.6	1039.1	964.0	856.9	815.5	967.7	1242.1	1328.5	1341.7	1022.2
42.5°	1172.6	1182.0	1123.7	1018.5	898.2	858.8	1016.6	1309.7	1415.0	1435.6	1063.6
45°	1279.7	1289.1	1236.5	1112.4	950.8	900.1	1063.6	1420.6	1548.4	1567.2	1125.6
47.5°	1424.4	1428.1	1358.6	1217.7	1029.7	948.9	1135.0	1569.1	1728.8	1751.3	1210.1
50°	1582.2	1587.8	1497.6	1339.8	1119.9	1031.6	1236.5	1738.2	1943.0	1978.7	1332.3
52.5°	1740.1	1723.1	1642.3	1478.9	1240.2	1131.2	1354.8	1954.3	2181.6	2202.3	1445.0
55°	1918.6	1892.3	1790.8	1602.9	1373.6	1259.0	1539.0	2162.8	2384.6	2399.6	1569.1
57.5°	2104.6	2080.2	1950.5	1740.1	1508.9	1441.3	1741.9	2392.1	2668.3	2707.8	1758.8
60°	2136.5	2123.4	2029.4	1867.8	1659.2	1638.6	1990.0	2694.6	2980.3	2982.1	1918.6
62.5°	2097.1	2091.4	2005.0	1894.1	1773.9	1843.4	2320.7	2982.1	3205.8	3185.1	2061.4
65°	1907.3	1886.6	1886.6	1832.1	1803.9	2029.4	2612.0	3254.6	3493.3	3429.4	2196.7
67.5°	1512.7	1514.6	1554.0	1610.4	1685.6	2063.3	2796.1	3495.1	3632.3	3495.1	2211.7
70°	1065.5	1093.6	1178.2	1304.1	1452.5	1911.0	2805.5	3466.9	3547.7	3412.5	2114.0
72.5°	779.8	757.3	823.0	937.7	1161.3	1644.2	2565.0	3198.2	3202.0	3002.8	1830.2
75°	528.0	529.9	576.9	676.5	843.7	1337.9	2228.6	2769.8	2758.5	2529.3	1525.8
77.5°	351.4	355.2	398.4	477.3	635.1	1073.0	1864.1	2290.6	2239.9	2083.9	1223.3
80°	240.5	249.9	274.3	330.7	462.3	849.4	1529.6	1879.1	1837.8	1687.4	986.5
82.5°	172.9	174.8	199.2	242.4	330.7	650.2	1245.8	1576.6	1520.2	1358.6	787.3
85°	131.5	131.5	148.4	178.5	238.6	496.1	994.0	1255.2	1204.5	1050.4	588.2
87.5°	95.8	97.7	109.0	135.3	176.6	375.8	762.9	902.0	821.2	725.3	404.0
90°	62.0	65.8	73.3	97.7	131.5	266.8	531.8	590.0	535.5	449.1	261.2
92.5°	39.5	39.5	47.0	65.8	95.8	182.3	334.5	349.5	302.5	274.3	159.7
95°	26.3	28.2	33.8	45.1	67.6	124.0	201.1	202.9	178.5	150.3	101.5
97.5°	22.5	22.5	26.3	33.8	50.7	84.6	118.4	114.6	103.4	92.1	71.4
100°	18.8	18.8	22.5	28.2	41.3	62.0	75.2	73.3	67.6	65.8	56.4
102.5°	16.9	16.9	18.8	24.4	33.8	48.9	54.5	50.7	48.9	48.9	43.2
105°	15.0	15.0	16.9	20.7	28.2	39.5	41.3	37.6	37.6	35.7	33.8
107.5°	13.2	13.2	15.0	16.9	24.4	31.9	31.9	28.2	28.2	28.2	28.2
110°	13.2	13.2	13.2	15.0	20.7	26.3	26.3	22.5	22.5	20.7	22.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.3	11.3	11.3	15.0	18.8	22.5	20.7	18.8	16.9	16.9	18.8
115°	11.3	9.4	11.3	13.2	16.9	18.8	18.8	15.0	15.0	15.0	16.9
117.5°	9.4	9.4	9.4	11.3	15.0	16.9	15.0	13.2	13.2	13.2	15.0
120°	9.4	9.4	9.4	11.3	15.0	15.0	13.2	11.3	11.3	11.3	13.2
122.5°	9.4	9.4	9.4	11.3	13.2	13.2	13.2	11.3	11.3	11.3	13.2
125°	9.4	9.4	9.4	11.3	13.2	13.2	11.3	9.4	9.4	9.4	13.2
127.5°	9.4	9.4	9.4	11.3	11.3	11.3	9.4	9.4	9.4	9.4	11.3
130°	9.4	9.4	9.4	11.3	11.3	9.4	9.4	9.4	9.4	9.4	11.3
132.5°	9.4	9.4	9.4	11.3	11.3	9.4	9.4	7.5	9.4	9.4	11.3
135°	9.4	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4
137.5°	9.4	9.4	9.4	9.4	9.4	7.5	5.6	7.5	7.5	7.5	9.4
140°	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	7.5	7.5
142.5°	7.5	7.5	7.5	7.5	5.6	5.6	3.8	5.6	5.6	5.6	7.5
145°	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3
2.5°	135.3	133.4	133.4	131.5	129.7	129.7	129.7	129.7	127.8	127.8	127.8
5°	139.1	137.2	133.4	129.7	125.9	122.1	122.1	120.3	120.3	118.4	116.5
7.5°	146.6	142.8	135.3	129.7	124.0	118.4	116.5	114.6	112.7	110.9	110.9
10°	161.6	154.1	142.8	131.5	122.1	114.6	110.9	109.0	107.1	105.2	105.2
12.5°	184.2	176.6	157.8	139.1	124.0	114.6	109.0	107.1	105.2	105.2	105.2
15°	221.7	208.6	180.4	154.1	129.7	116.5	110.9	112.7	116.5	116.5	116.5
17.5°	265.0	248.0	206.7	171.0	140.9	125.9	122.1	125.9	129.7	131.5	131.5
20°	315.7	289.4	234.9	187.9	154.1	142.8	139.1	142.8	148.4	152.2	152.2
22.5°	379.6	338.2	265.0	204.8	171.0	159.7	157.8	161.6	169.1	176.6	174.8
25°	452.9	398.4	298.8	223.6	193.5	178.5	180.4	187.9	201.1	208.6	212.3
27.5°	533.7	460.4	332.6	249.9	214.2	199.2	202.9	216.1	236.8	249.9	249.9
30°	620.1	520.5	366.4	276.2	236.8	219.9	227.4	251.8	274.3	291.3	291.3
32.5°	704.7	578.8	392.7	306.3	261.2	240.5	251.8	283.7	313.8	332.6	334.5
35°	770.4	614.5	405.9	328.8	281.9	257.4	272.5	317.6	357.0	377.7	379.6
37.5°	808.0	625.7	407.8	345.8	298.8	272.5	293.1	345.8	389.0	409.6	409.6
40°	802.4	603.2	394.6	355.2	310.1	285.6	311.9	372.1	415.3	430.3	426.6
42.5°	813.7	593.8	385.2	351.4	313.8	293.1	323.2	385.2	420.9	426.6	422.8
45°	826.8	580.6	375.8	347.6	311.9	296.9	328.8	385.2	415.3	413.4	409.6
47.5°	862.5	578.8	370.2	345.8	310.1	295.0	328.8	383.3	405.9	396.5	392.7
50°	911.4	586.3	366.4	342.0	308.2	291.3	325.1	379.6	400.2	390.9	387.1
52.5°	956.5	590.0	358.9	338.2	306.3	289.4	323.2	379.6	396.5	377.7	372.1
55°	1014.7	608.8	349.5	330.7	302.5	285.6	321.3	375.8	379.6	357.0	353.3
57.5°	1121.8	644.5	342.0	321.3	296.9	283.7	317.6	362.7	368.3	347.6	342.0
60°	1200.7	670.8	334.5	313.8	287.5	278.1	308.2	355.2	357.0	328.8	323.2
62.5°	1270.3	689.6	321.3	304.4	281.9	272.5	298.8	338.2	332.6	308.2	306.3
65°	1337.9	704.7	311.9	291.3	270.6	261.2	287.5	315.7	317.6	296.9	293.1
67.5°	1324.8	689.6	293.1	276.2	257.4	248.0	266.8	300.7	302.5	287.5	283.7
70°	1245.8	638.9	270.6	259.3	238.6	229.3	246.2	280.0	285.6	274.3	272.5
72.5°	1078.6	552.5	240.5	234.9	218.0	208.6	225.5	253.7	263.1	253.7	249.9
75°	907.6	466.0	214.2	208.6	197.3	187.9	201.1	227.4	238.6	236.8	236.8
77.5°	727.2	373.9	189.8	186.0	176.6	169.1	180.4	202.9	218.0	219.9	216.1
80°	584.4	304.4	167.2	165.4	159.7	154.1	159.7	178.5	195.4	199.2	197.3
82.5°	469.8	253.7	148.4	148.4	142.8	139.1	142.8	159.7	180.4	187.9	186.0
85°	360.8	208.6	133.4	131.5	127.8	125.9	129.7	140.9	163.5	172.9	172.9
87.5°	263.1	165.4	118.4	114.6	112.7	112.7	114.6	125.9	146.6	154.1	152.2
90°	182.3	127.8	101.5	97.7	95.8	97.7	101.5	110.9	125.9	127.8	127.8
92.5°	124.0	97.7	84.6	80.8	80.8	84.6	88.3	95.8	105.2	103.4	101.5
95°	86.4	73.3	67.6	65.8	65.8	69.5	73.3	80.8	86.4	82.7	80.8
97.5°	63.9	58.3	56.4	54.5	52.6	58.3	60.1	63.9	69.5	67.6	65.8
100°	50.7	48.9	47.0	45.1	43.2	47.0	48.9	52.6	56.4	52.6	52.6
102.5°	41.3	41.3	39.5	37.6	37.6	39.5	41.3	43.2	45.1	43.2	41.3
105°	33.8	33.8	33.8	31.9	31.9	33.8	35.7	35.7	37.6	33.8	33.8
107.5°	28.2	28.2	30.1	28.2	28.2	30.1	30.1	30.1	30.1	28.2	28.2
110°	24.4	24.4	24.4	24.4	24.4	26.3	26.3	26.3	26.3	24.4	22.5

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.7	20.7	20.7	20.7	20.7	22.5	22.5	22.5	22.5	20.7	20.7
115°	16.9	18.8	18.8	18.8	18.8	18.8	20.7	18.8	18.8	18.8	18.8
117.5°	15.0	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
120°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	16.9	16.9
122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	15.0	15.0	15.0
125°	13.2	13.2	13.2	13.2	11.3	11.3	13.2	13.2	13.2	13.2	13.2
127.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	13.2
130°	11.3	11.3	11.3	11.3	9.4	9.4	9.4	11.3	11.3	11.3	11.3
132.5°	11.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	11.3	11.3
135°	9.4	9.4	9.4	9.4	7.5	7.5	9.4	9.4	9.4	9.4	9.4
137.5°	9.4	9.4	7.5	7.5	7.5	7.5	7.5	7.5	9.4	9.4	9.4
140°	7.5	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5	7.5	7.5
142.5°	7.5	5.6	5.6	5.6	3.8	3.8	5.6	7.5	7.5	7.5	7.5
145°	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	1.9	1.9	1.9	3.8	5.6	5.6	3.8	3.8
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)