

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: P695881

Luminaire Tested: **LXF.LXT-PA16-730-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6385 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

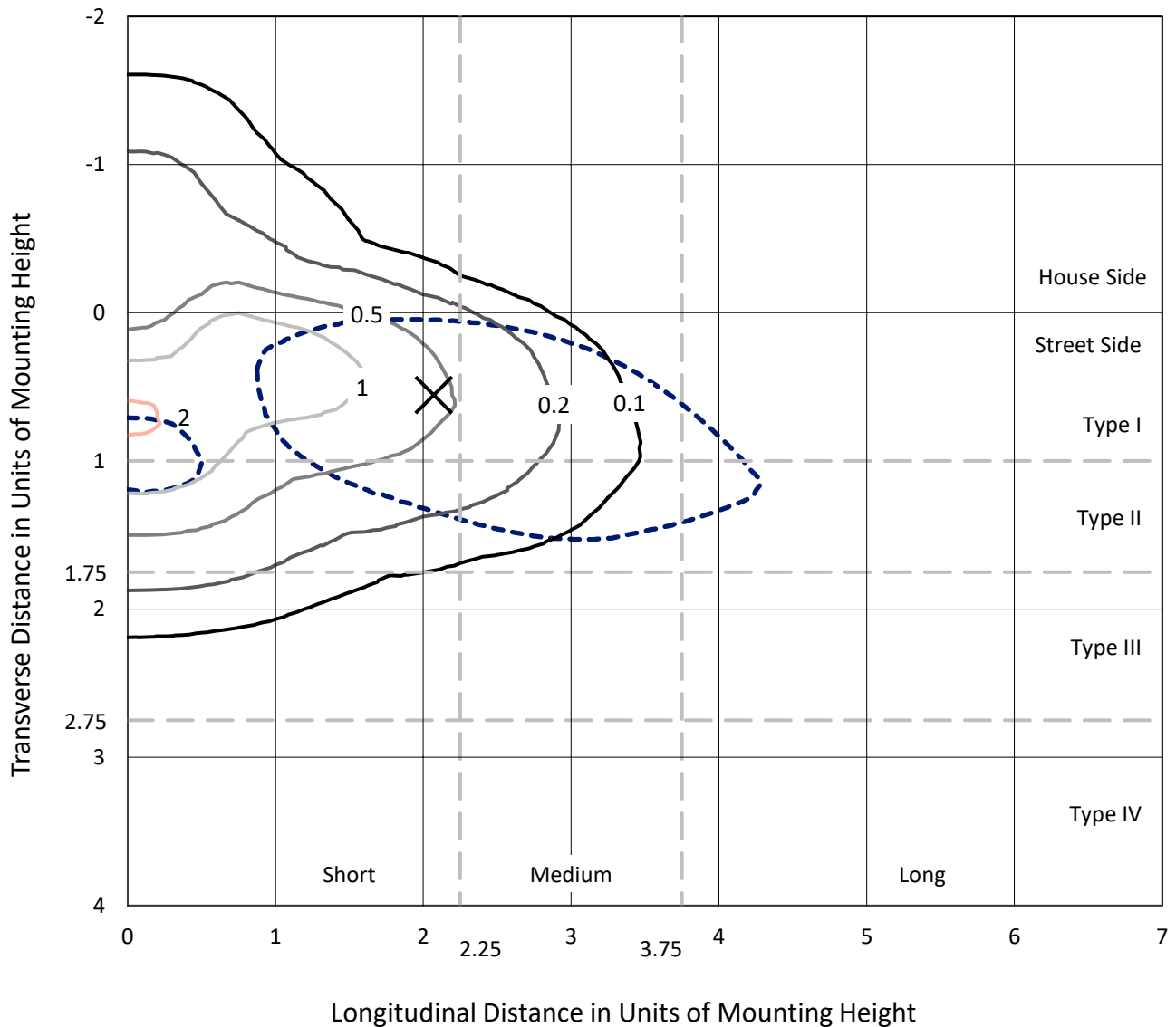
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

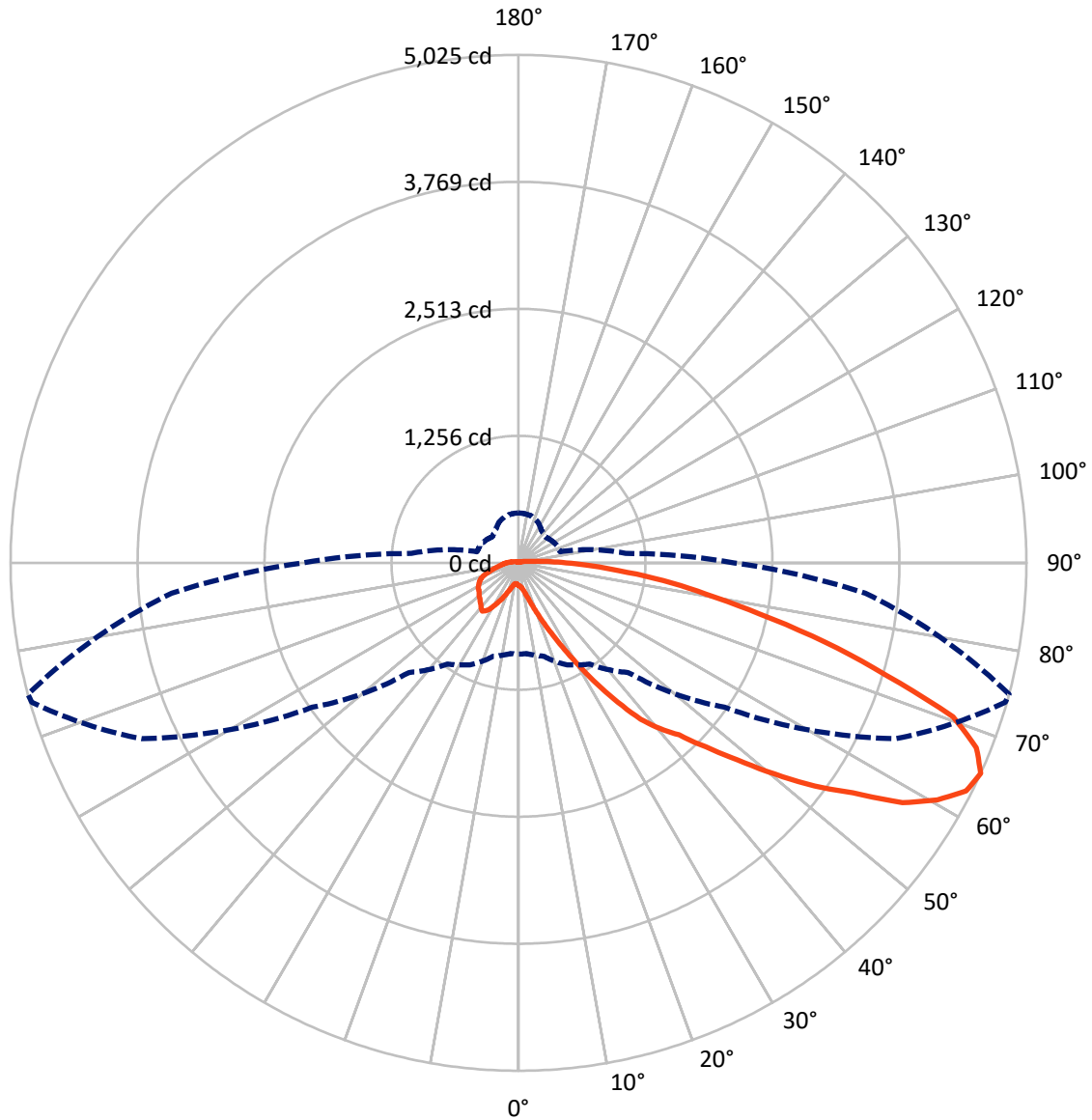
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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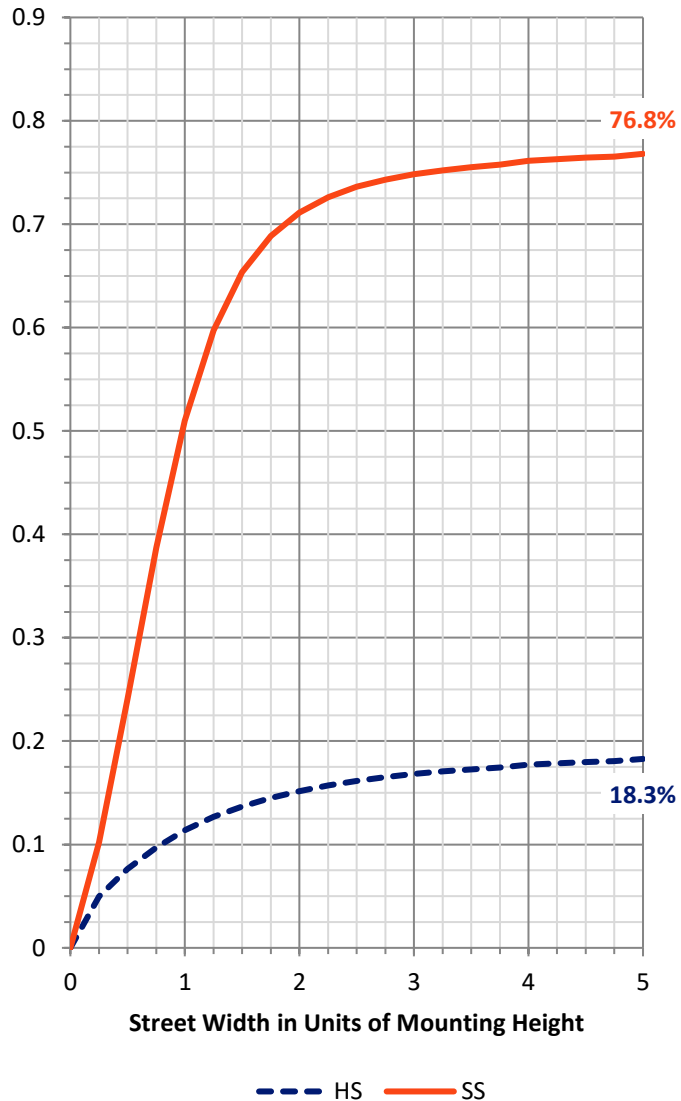
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.5	97.1	1319.6
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	4968.0	97.4	5065.4
	% Fixture	77.8	1.5	79.3
Total	Lumens	6190.5	194.5	6385.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	0.4
10°-20°	97.4	1.5
20°-30°	304.3	4.8
30°-40°	723.4	11.3
40°-50°	1119.9	17.5
50°-60°	1397.4	21.9
60°-70°	1367.4	21.4
70°-80°	831.6	13.0
80°-90°	326.6	5.1
90°-100°	101.9	1.6
100°-110°	40.7	0.6
110°-120°	22.5	0.4
120°-130°	14.8	0.2
130°-140°	9.9	0.2
140°-150°	4.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6190.5	97.0
0°-180°	6385.0	100.0

Coefficient of Utilization

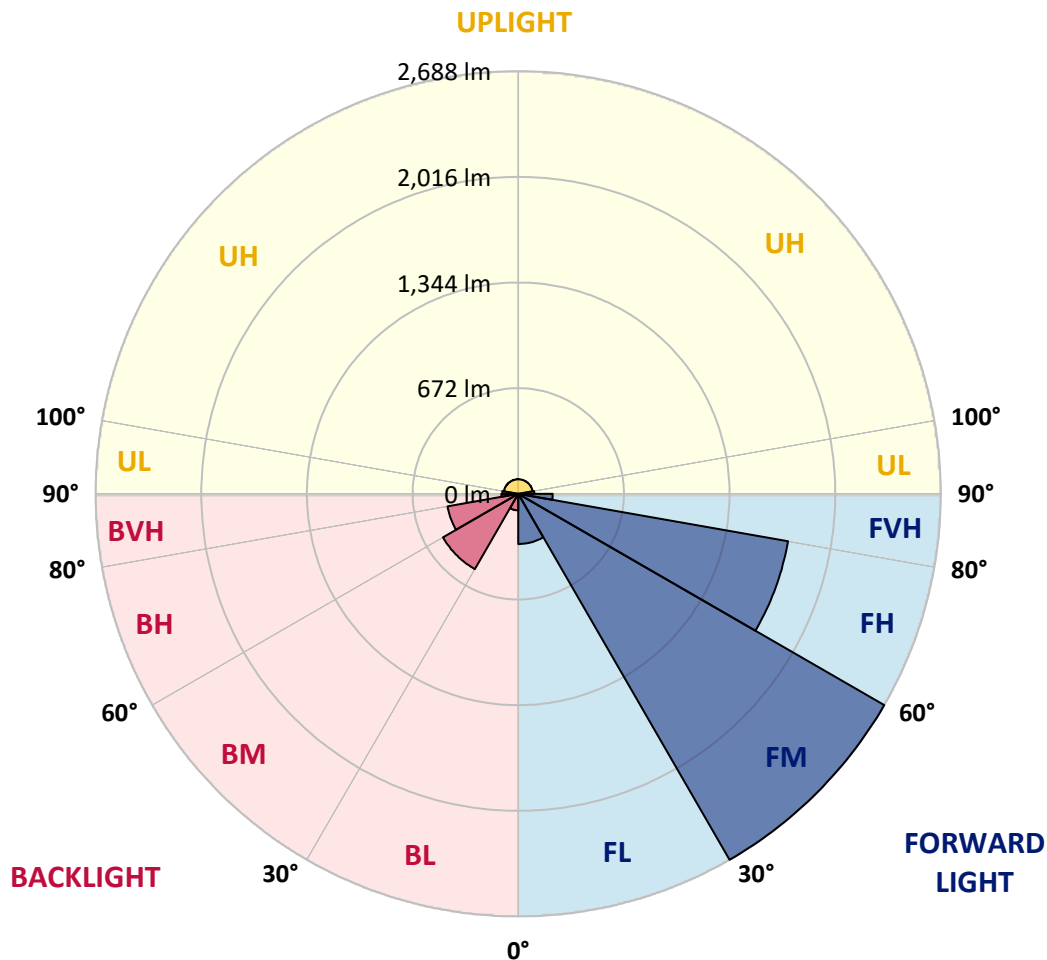


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.1	5.0			
FM (30°-60°)	2687.6	42.1			
FH (60°-80°)	1742.1	27.3			G1/1800
FVH (80°-90°)	219.2	3.4			G2/225
BL (0°-30°)	105.2	1.6	B0/110		
BM (30°-60°)	553.1	8.7	B1/1000		
BH (60°-80°)	456.8	7.2	B1/500		G1/500
BVH (80°-90°)	107.4	1.7			G2/225
UL (90°-100°)	101.9	1.6		U3/500	
UH (100°-180°)	92.6	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
2.5°	247.8	250.2	247.8	245.5	243.1	240.8	236.0	233.7	228.9	228.9	224.2
5°	288.0	288.0	288.0	280.9	276.2	271.4	259.6	250.2	240.8	238.4	231.3
7.5°	337.5	332.8	330.4	323.4	313.9	304.5	288.0	271.4	257.3	254.9	240.8
10°	396.5	394.2	391.8	382.4	365.8	349.3	325.7	304.5	280.9	278.5	254.9
12.5°	476.8	474.4	465.0	453.2	429.6	403.6	375.3	349.3	318.6	316.3	283.2
15°	564.1	566.5	559.4	535.8	512.2	476.8	443.7	413.1	380.0	370.6	328.1
17.5°	696.3	693.9	677.4	637.3	609.0	571.2	528.7	488.6	448.5	441.4	387.1
20°	840.3	845.0	821.4	764.7	719.9	675.0	639.6	580.6	540.5	535.8	460.3
22.5°	1024.4	1036.2	986.6	930.0	854.4	802.5	767.1	710.4	653.8	653.8	557.0
25°	1265.1	1269.8	1203.8	1111.7	1017.3	937.0	906.4	871.0	804.9	795.4	682.1
27.5°	1513.0	1527.1	1449.2	1328.8	1187.2	1090.5	1071.6	1052.7	972.4	970.1	811.9
30°	1897.7	1890.6	1758.4	1586.1	1380.8	1253.3	1241.5	1262.8	1187.2	1177.8	981.9
32.5°	2247.0	2235.2	2093.6	1867.0	1586.1	1435.1	1416.2	1487.0	1435.1	1432.7	1175.4
35°	2535.0	2518.4	2391.0	2136.1	1808.0	1602.6	1614.4	1732.5	1706.5	1694.7	1352.5
37.5°	2669.5	2697.8	2589.2	2341.4	1999.2	1774.9	1829.2	2003.9	1980.3	1963.8	1546.0
40°	2761.5	2799.3	2686.0	2452.4	2131.3	1928.4	2015.7	2228.1	2178.6	2157.3	1628.6
42.5°	2794.6	2825.3	2749.7	2516.1	2211.6	2044.0	2159.7	2393.3	2362.7	2327.3	1746.6
45°	2773.4	2811.1	2752.1	2544.4	2251.7	2114.8	2265.9	2603.4	2627.0	2598.7	1914.2
47.5°	2690.7	2733.2	2712.0	2544.4	2263.5	2150.2	2393.3	2870.1	2924.4	2910.2	2098.3
50°	2468.9	2516.1	2553.8	2494.8	2251.7	2162.0	2535.0	3134.5	3295.0	3285.5	2353.2
52.5°	2289.5	2327.3	2341.4	2339.1	2206.9	2178.6	2669.5	3479.1	3682.1	3667.9	2582.2
55°	2048.7	2072.3	2140.8	2124.3	2058.2	2155.0	2771.0	3731.6	4031.4	4014.9	2844.2
57.5°	1633.3	1673.5	1800.9	1935.4	1874.1	2077.1	2815.8	3960.6	4498.7	4477.5	3146.3
60°	1390.2	1402.0	1475.2	1602.6	1687.6	1921.3	2799.3	4196.6	4779.6	4760.7	3283.2
62.5°	1132.9	1140.0	1232.1	1340.6	1461.0	1749.0	2702.5	4210.8	4961.3	4970.8	3417.7
65°	904.0	901.6	955.9	1111.7	1222.6	1534.2	2492.5	4116.4	5008.6	5025.1	3443.7
67.5°	689.2	710.4	781.3	861.5	1012.6	1286.4	2192.7	3868.5	4881.1	4885.8	3337.5
70°	474.4	483.9	549.9	677.4	790.7	1066.9	1862.3	3486.2	4560.1	4560.1	3035.3
72.5°	342.2	354.0	387.1	469.7	611.3	835.5	1538.9	2992.9	3842.6	3804.8	2542.0
75°	254.9	257.3	288.0	337.5	431.9	651.4	1196.7	2353.2	3120.3	3132.1	2088.9
77.5°	198.3	200.6	214.8	250.2	316.3	474.4	889.8	1815.1	2431.1	2435.8	1612.1
80°	165.2	167.6	174.7	193.5	236.0	339.9	653.8	1366.6	1878.8	1881.2	1255.7
82.5°	136.9	139.3	146.3	158.1	184.1	252.6	469.7	1045.6	1423.3	1442.1	941.8
85°	115.7	118.0	122.7	132.2	151.1	195.9	339.9	750.6	1003.1	996.0	651.4
87.5°	94.4	94.4	101.5	108.6	122.7	158.1	250.2	514.5	679.8	672.7	453.2
90°	70.8	73.2	77.9	87.3	101.5	125.1	181.7	337.5	422.5	422.5	288.0
92.5°	51.9	51.9	59.0	68.4	80.3	101.5	132.2	214.8	252.6	254.9	186.5
95°	37.8	37.8	42.5	47.2	61.4	80.3	96.8	132.2	155.8	151.1	127.5
97.5°	30.7	30.7	33.0	37.8	47.2	63.7	75.5	94.4	103.9	103.9	94.4
100°	26.0	26.0	28.3	28.3	37.8	51.9	61.4	68.4	75.5	77.9	75.5
102.5°	21.2	23.6	23.6	23.6	30.7	44.8	49.6	54.3	59.0	59.0	59.0
105°	18.9	18.9	21.2	21.2	26.0	37.8	42.5	44.8	47.2	47.2	47.2
107.5°	16.5	16.5	18.9	18.9	23.6	33.0	35.4	35.4	37.8	37.8	37.8
110°	16.5	16.5	16.5	16.5	21.2	28.3	28.3	28.3	28.3	28.3	30.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	14.2	14.2	16.5	16.5	18.9	26.0	26.0	23.6	23.6	23.6	28.3
115°	14.2	14.2	14.2	16.5	18.9	21.2	21.2	21.2	21.2	21.2	23.6
117.5°	14.2	14.2	14.2	16.5	16.5	21.2	18.9	18.9	18.9	18.9	21.2
120°	14.2	14.2	14.2	14.2	16.5	18.9	18.9	16.5	16.5	16.5	18.9
122.5°	14.2	14.2	14.2	14.2	16.5	16.5	16.5	14.2	14.2	14.2	18.9
125°	14.2	14.2	16.5	16.5	16.5	16.5	16.5	14.2	14.2	14.2	16.5
127.5°	16.5	16.5	16.5	16.5	14.2	16.5	14.2	14.2	14.2	14.2	16.5
130°	18.9	18.9	18.9	16.5	14.2	14.2	14.2	14.2	14.2	14.2	16.5
132.5°	18.9	18.9	18.9	16.5	14.2	14.2	11.8	11.8	14.2	14.2	14.2
135°	18.9	18.9	16.5	14.2	14.2	11.8	11.8	11.8	11.8	11.8	14.2
137.5°	16.5	16.5	16.5	14.2	11.8	11.8	9.4	9.4	11.8	11.8	11.8
140°	14.2	14.2	14.2	11.8	9.4	9.4	7.1	7.1	9.4	9.4	9.4
142.5°	11.8	11.8	11.8	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4
145°	9.4	9.4	9.4	7.1	7.1	7.1	4.7	4.7	7.1	7.1	7.1
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	7.1	7.1	7.1	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7
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°	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
2.5°	224.2	221.9	217.1	214.8	210.1	207.7	205.3	203.0	205.3	203.0	203.0
5°	226.6	221.9	212.4	203.0	195.9	191.2	186.5	181.7	181.7	179.4	177.0
7.5°	231.3	224.2	207.7	195.9	181.7	172.3	165.2	160.5	158.1	155.8	155.8
10°	243.1	231.3	210.1	188.8	172.3	158.1	148.7	144.0	139.3	139.3	139.3
12.5°	266.7	252.6	219.5	188.8	165.2	148.7	136.9	132.2	132.2	132.2	132.2
15°	306.8	283.2	240.8	200.6	167.6	144.0	136.9	139.3	144.0	148.7	146.3
17.5°	356.4	328.1	269.1	217.1	177.0	155.8	151.1	158.1	165.2	169.9	172.3
20°	417.8	375.3	299.8	233.7	193.5	179.4	174.7	181.7	191.2	198.3	198.3
22.5°	498.0	441.4	339.9	257.3	217.1	203.0	198.3	205.3	217.1	224.2	224.2
25°	599.5	521.6	389.4	288.0	243.1	221.9	221.9	231.3	247.8	257.3	259.6
27.5°	712.8	606.6	434.3	325.7	271.4	243.1	245.5	264.4	283.2	297.4	297.4
30°	835.5	708.1	486.2	358.8	292.7	264.4	266.7	290.3	316.3	335.2	332.8
32.5°	981.9	814.3	540.5	391.8	313.9	280.9	288.0	323.4	354.0	377.6	375.3
35°	1130.6	906.4	575.9	422.5	332.8	295.0	306.8	351.7	387.1	408.3	408.3
37.5°	1246.2	981.9	597.2	439.0	349.3	306.8	321.0	370.6	408.3	427.2	424.9
40°	1286.4	981.9	580.6	441.4	356.4	316.3	332.8	380.0	413.1	424.9	417.8
42.5°	1347.7	1000.8	557.0	427.2	358.8	323.4	337.5	380.0	401.3	403.6	398.9
45°	1435.1	1031.5	540.5	417.8	354.0	325.7	337.5	372.9	398.9	406.0	401.3
47.5°	1546.0	1062.1	521.6	413.1	354.0	325.7	337.5	380.0	406.0	406.0	401.3
50°	1687.6	1111.7	512.2	415.4	361.1	328.1	344.6	389.4	413.1	408.3	406.0
52.5°	1796.2	1123.5	495.7	422.5	368.2	332.8	351.7	398.9	420.1	410.7	408.3
55°	1937.8	1151.8	476.8	422.5	380.0	344.6	361.1	408.3	424.9	413.1	410.7
57.5°	2084.1	1182.5	474.4	420.1	384.7	354.0	370.6	415.4	429.6	420.1	417.8
60°	2124.3	1147.1	460.3	427.2	387.1	363.5	377.6	422.5	443.7	439.0	439.0
62.5°	2157.3	1118.8	443.7	424.9	394.2	363.5	384.7	434.3	467.3	467.3	467.3
65°	2133.7	1064.5	424.9	415.4	391.8	365.8	394.2	448.5	481.5	490.9	493.3
67.5°	2034.6	989.0	406.0	401.3	380.0	365.8	396.5	448.5	488.6	502.7	502.7
70°	1822.2	863.9	372.9	372.9	363.5	351.7	389.4	441.4	474.4	490.9	490.9
72.5°	1527.1	715.2	323.4	335.2	332.8	330.4	370.6	417.8	439.0	453.2	450.8
75°	1215.6	575.9	280.9	285.6	290.3	297.4	339.9	377.6	384.7	396.5	394.2
77.5°	953.6	460.3	238.4	243.1	247.8	264.4	304.5	328.1	332.8	339.9	337.5
80°	745.9	377.6	205.3	205.3	212.4	228.9	262.0	283.2	292.7	297.4	290.3
82.5°	580.6	309.2	181.7	174.7	181.7	195.9	221.9	240.8	247.8	247.8	245.5
85°	413.1	247.8	160.5	151.1	153.4	167.6	191.2	203.0	207.7	205.3	200.6
87.5°	302.1	203.0	141.6	127.5	129.8	148.7	165.2	172.3	174.7	177.0	172.3
90°	212.4	162.9	122.7	106.2	106.2	125.1	141.6	144.0	146.3	146.3	144.0
92.5°	151.1	127.5	101.5	87.3	87.3	103.9	115.7	113.3	115.7	113.3	108.6
95°	110.9	99.1	85.0	70.8	68.4	80.3	85.0	82.6	85.0	82.6	82.6
97.5°	87.3	80.3	70.8	59.0	54.3	61.4	63.7	63.7	68.4	63.7	63.7
100°	70.8	66.1	61.4	49.6	44.8	49.6	51.9	54.3	56.6	54.3	54.3
102.5°	59.0	56.6	51.9	44.8	40.1	42.5	44.8	47.2	49.6	49.6	47.2
105°	47.2	47.2	44.8	37.8	35.4	35.4	37.8	40.1	44.8	44.8	44.8
107.5°	37.8	40.1	37.8	33.0	30.7	30.7	33.0	35.4	37.8	40.1	40.1
110°	33.0	33.0	33.0	28.3	28.3	28.3	28.3	30.7	35.4	37.8	37.8

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 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	28.3	28.3	26.0	26.0	26.0	26.0	26.0	30.7	33.0	35.4
115°	26.0	26.0	26.0	23.6	23.6	23.6	23.6	23.6	28.3	30.7	30.7
117.5°	23.6	23.6	23.6	21.2	21.2	21.2	21.2	21.2	23.6	28.3	28.3
120°	21.2	21.2	21.2	18.9	18.9	18.9	18.9	18.9	21.2	26.0	26.0
122.5°	18.9	18.9	18.9	18.9	16.5	16.5	16.5	16.5	18.9	23.6	23.6
125°	16.5	18.9	16.5	16.5	16.5	16.5	14.2	16.5	18.9	21.2	21.2
127.5°	16.5	16.5	16.5	16.5	14.2	14.2	14.2	14.2	16.5	18.9	18.9
130°	16.5	16.5	16.5	14.2	14.2	11.8	11.8	14.2	14.2	16.5	16.5
132.5°	14.2	14.2	14.2	14.2	11.8	11.8	11.8	11.8	14.2	14.2	14.2
135°	14.2	14.2	11.8	11.8	11.8	9.4	9.4	9.4	11.8	14.2	14.2
137.5°	11.8	11.8	11.8	11.8	9.4	9.4	9.4	9.4	11.8	11.8	11.8
140°	9.4	9.4	9.4	9.4	9.4	7.1	7.1	7.1	9.4	9.4	9.4
142.5°	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4	9.4	9.4
145°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1	7.1
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7
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)