

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: P695884

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6366 lumens
Efficiency: N/A
Efficacy: 88.4 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

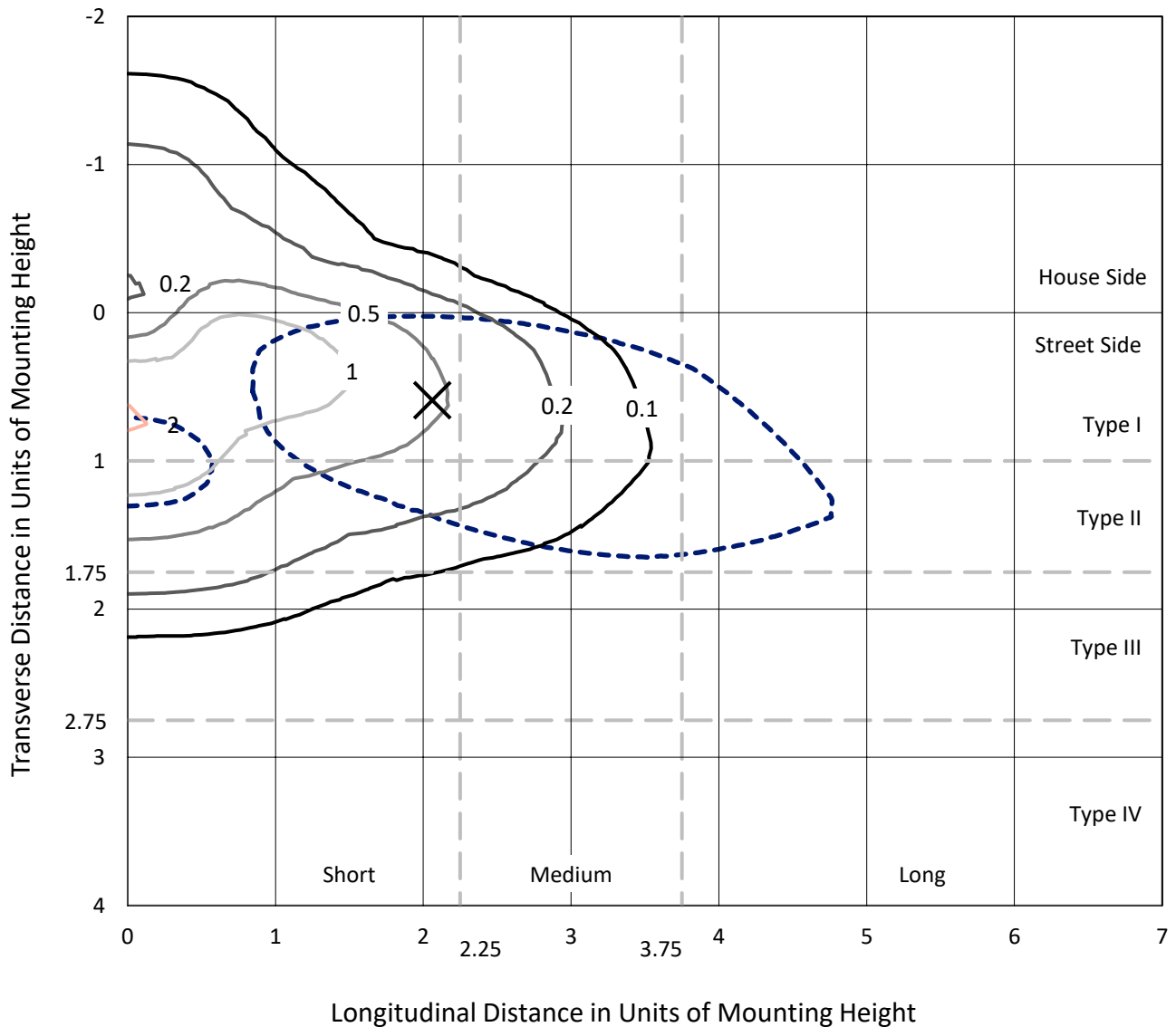
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

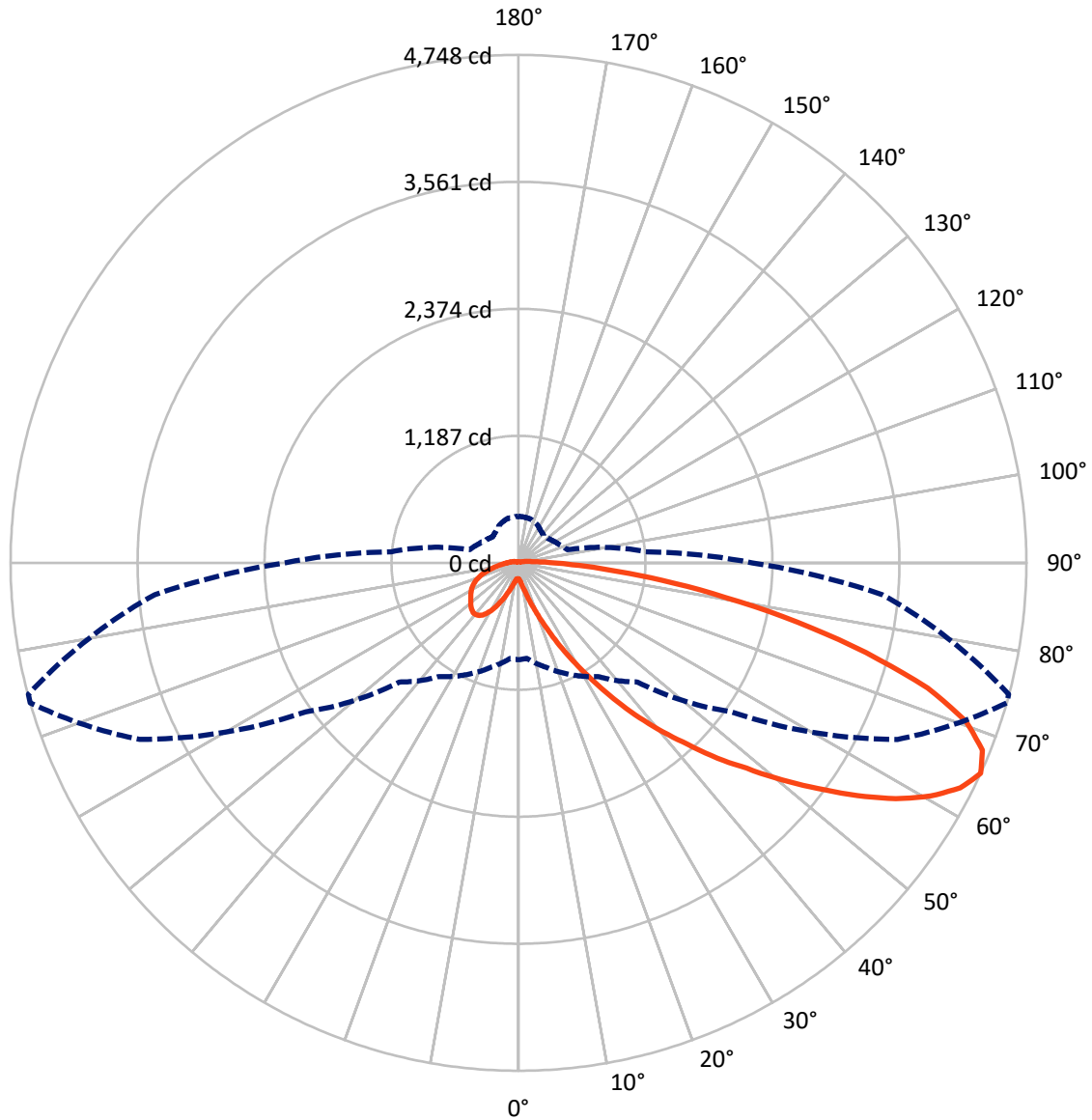
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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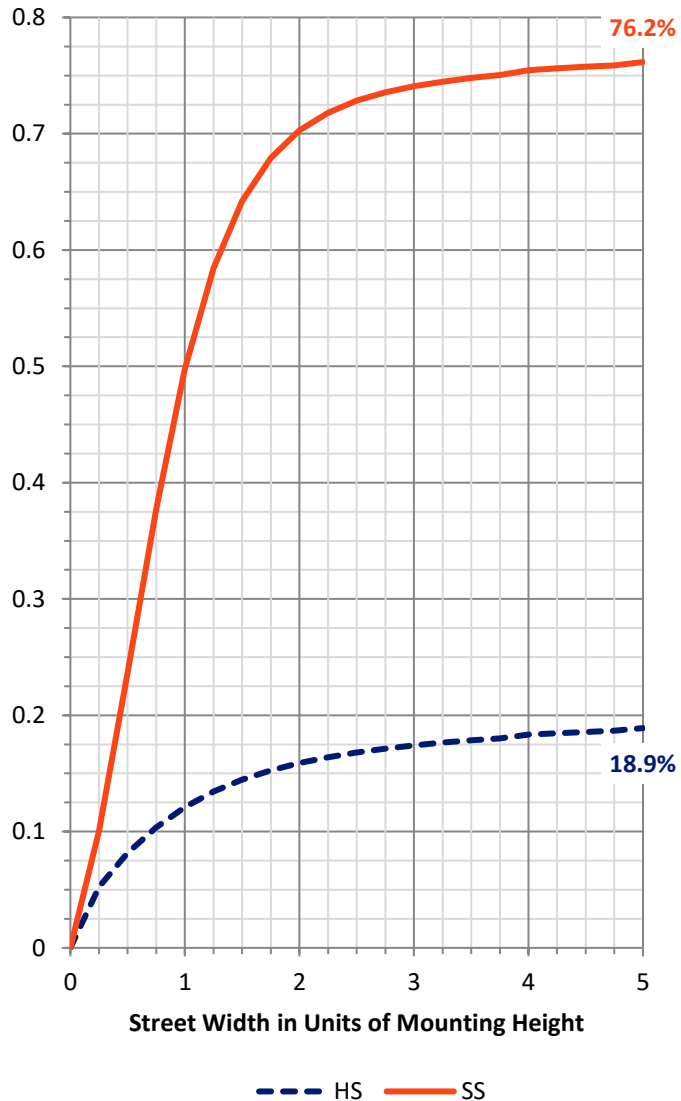
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1263.1	103.0	1366.1
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	4907.6	92.2	4999.9
	% Fixture	77.1	1.4	78.5
Total	Lumens	6170.8	195.2	6366.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.3
10°-20°	91.8	1.4
20°-30°	305.1	4.8
30°-40°	699.3	11.0
40°-50°	1119.2	17.6
50°-60°	1389.2	21.8
60°-70°	1348.2	21.2
70°-80°	879.4	13.8
80°-90°	321.5	5.1
90°-100°	96.0	1.5
100°-110°	44.4	0.7
110°-120°	24.6	0.4
120°-130°	15.4	0.2
130°-140°	9.7	0.2
140°-150°	4.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6170.8	96.9
0°-180°	6366.0	100.0

Coefficient of Utilization

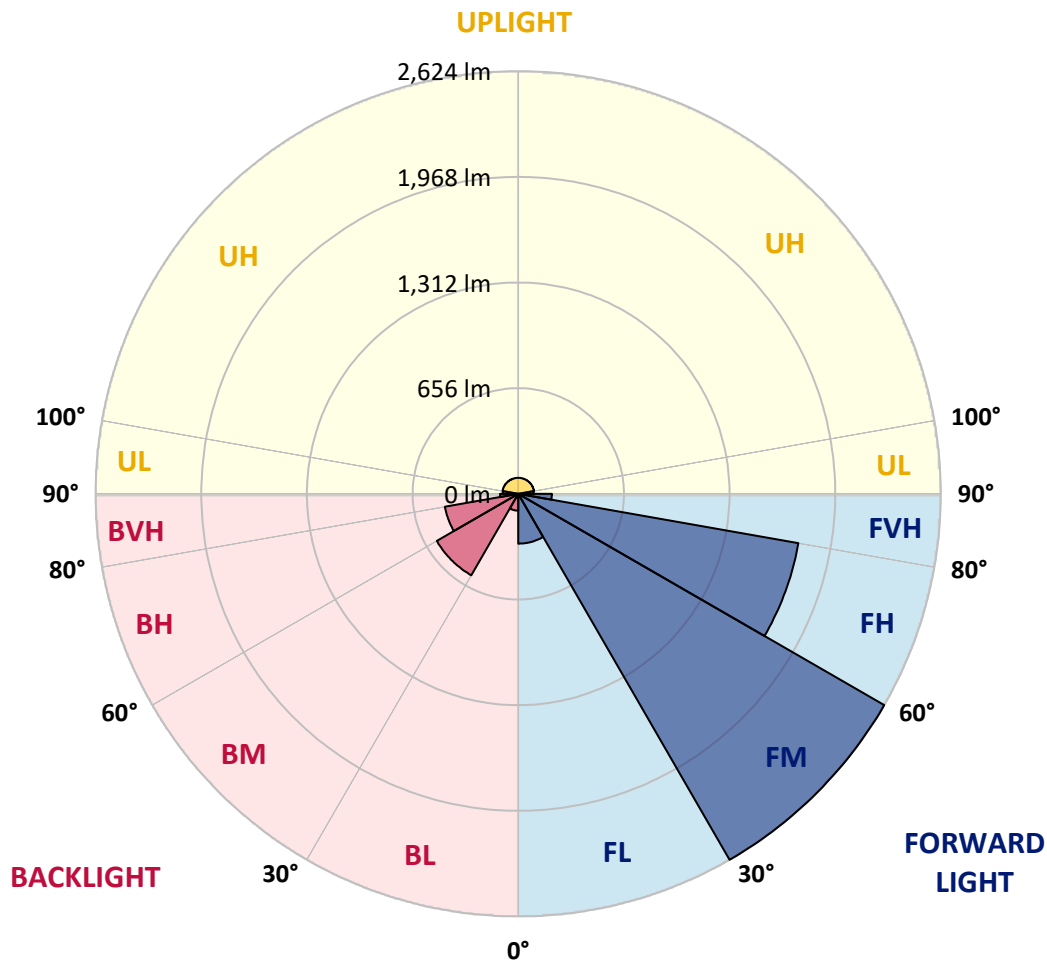


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.4	4.9			
FM (30°-60°)	2623.7	41.2			
FH (60°-80°)	1765.7	27.7			G1/1800
FVH (80°-90°)	208.8	3.3			G2/225
BL (0°-30°)	104.7	1.6	B0/110		
BM (30°-60°)	583.9	9.2	B1/1000		
BH (60°-80°)	461.8	7.3	B1/500		G1/500
BVH (80°-90°)	112.7	1.8			G2/225
UL (90°-100°)	96.0	1.5		U3/500	
UH (100°-180°)	99.3	1.6		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°	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
2.5°	172.3	174.6	174.6	172.3	169.9	169.9	165.2	160.5	158.1	158.1	155.8
5°	210.0	212.4	212.4	207.7	200.6	198.2	188.8	181.7	174.6	174.6	165.2
7.5°	264.3	266.7	262.0	257.2	247.8	238.4	226.6	212.4	198.2	195.9	184.1
10°	328.0	335.1	330.4	318.6	304.4	292.6	273.8	250.2	236.0	231.3	210.0
12.5°	427.2	422.4	410.6	398.8	382.3	358.7	332.8	304.4	276.1	278.5	250.2
15°	528.6	538.1	521.6	500.3	467.3	441.3	405.9	375.2	344.6	339.8	302.1
17.5°	677.3	675.0	656.1	613.6	564.0	538.1	500.3	462.6	427.2	415.4	365.8
20°	852.0	849.6	811.8	757.6	710.4	658.4	606.5	566.4	523.9	514.5	450.8
22.5°	1059.6	1050.2	1010.1	932.2	852.0	788.2	734.0	703.3	646.6	637.2	549.9
25°	1300.4	1279.1	1234.3	1130.4	1007.7	934.6	885.0	849.6	795.3	783.5	670.2
27.5°	1567.0	1552.9	1470.3	1333.4	1187.1	1073.8	1038.4	1014.8	970.0	955.8	804.8
30°	1817.2	1821.9	1732.2	1560.0	1373.5	1236.6	1210.7	1213.0	1154.0	1142.2	962.9
32.5°	2114.6	2095.7	1980.0	1781.8	1548.2	1406.6	1383.0	1416.0	1366.4	1357.0	1135.2
35°	2350.6	2364.7	2242.0	1996.6	1725.2	1562.3	1571.8	1626.0	1597.7	1583.6	1288.6
37.5°	2577.1	2565.3	2421.4	2178.3	1878.6	1708.6	1744.0	1864.4	1836.1	1819.6	1470.3
40°	2728.2	2714.0	2588.9	2327.0	2017.8	1843.2	1911.6	2091.0	2079.2	2072.1	1626.0
42.5°	2799.0	2780.1	2678.6	2430.8	2119.3	1949.4	2083.9	2322.3	2319.9	2312.8	1805.4
45°	2782.5	2770.7	2692.8	2492.2	2185.4	2048.5	2237.3	2563.0	2605.5	2572.4	1970.6
47.5°	2709.3	2697.5	2643.2	2492.2	2220.8	2109.8	2374.2	2815.5	2869.8	2839.1	2154.7
50°	2563.0	2558.3	2544.1	2433.2	2216.1	2159.4	2506.3	3044.4	3190.7	3160.1	2364.7
52.5°	2357.7	2355.3	2378.9	2327.0	2171.2	2166.5	2610.2	3308.7	3504.6	3471.6	2570.1
55°	2116.9	2116.9	2157.1	2161.8	2083.9	2140.5	2690.4	3521.1	3842.1	3794.9	2794.3
57.5°	1810.1	1819.6	1909.2	1968.2	1939.9	2065.0	2718.7	3724.1	4160.7	4130.0	3025.5
60°	1505.7	1510.4	1614.2	1713.4	1762.9	1958.8	2692.8	3863.3	4427.4	4415.6	3212.0
62.5°	1187.1	1191.8	1300.4	1444.3	1541.1	1784.2	2596.0	3927.1	4635.1	4628.0	3348.9
65°	906.2	896.8	1012.4	1154.0	1298.0	1576.5	2428.5	3908.2	4748.3	4743.6	3414.9
67.5°	651.4	670.2	757.6	894.4	1040.8	1354.6	2197.2	3724.1	4677.5	4682.3	3344.1
70°	472.0	502.7	564.0	667.9	818.9	1113.9	1918.7	3417.3	4436.8	4465.1	3143.5
72.5°	363.4	365.8	415.4	498.0	618.3	882.6	1588.3	2999.6	4000.2	4009.7	2796.6
75°	283.2	290.3	323.3	382.3	474.4	684.4	1288.6	2482.7	3353.6	3407.9	2371.8
77.5°	231.3	233.6	259.6	295.0	363.4	516.8	962.9	1958.8	2666.8	2671.5	1850.2
80°	181.7	191.2	212.4	236.0	283.2	387.0	708.0	1434.9	1961.2	1930.5	1309.8
82.5°	139.2	146.3	162.8	188.8	214.8	290.3	507.4	1012.4	1347.6	1324.0	896.8
85°	103.8	108.6	125.1	146.3	169.9	221.8	354.0	653.7	835.4	809.5	545.2
87.5°	73.2	75.5	89.7	108.6	129.8	167.6	245.4	401.2	502.7	493.2	337.5
90°	49.6	51.9	63.7	80.2	101.5	129.8	177.0	250.2	292.6	292.6	214.8
92.5°	35.4	37.8	47.2	61.4	80.2	103.8	129.8	162.8	179.4	177.0	146.3
95°	28.3	28.3	37.8	49.6	66.1	85.0	99.1	110.9	120.4	120.4	110.9
97.5°	23.6	23.6	33.0	42.5	56.6	70.8	80.2	82.6	87.3	87.3	82.6
100°	21.2	21.2	28.3	37.8	47.2	59.0	66.1	63.7	66.1	68.4	63.7
102.5°	18.9	18.9	26.0	33.0	42.5	51.9	54.3	51.9	51.9	51.9	49.6
105°	16.5	16.5	23.6	30.7	37.8	44.8	47.2	42.5	40.1	40.1	40.1
107.5°	14.2	14.2	21.2	26.0	33.0	40.1	40.1	37.8	33.0	33.0	30.7
110°	14.2	14.2	18.9	23.6	30.7	35.4	35.4	30.7	26.0	26.0	26.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.8	11.8	16.5	23.6	28.3	30.7	30.7	26.0	23.6	21.2	21.2
115°	11.8	11.8	16.5	21.2	26.0	28.3	28.3	23.6	18.9	18.9	18.9
117.5°	11.8	11.8	14.2	18.9	23.6	26.0	23.6	21.2	16.5	16.5	16.5
120°	11.8	11.8	14.2	16.5	21.2	23.6	23.6	18.9	14.2	14.2	16.5
122.5°	11.8	11.8	14.2	16.5	18.9	21.2	21.2	16.5	14.2	14.2	14.2
125°	11.8	11.8	14.2	16.5	18.9	21.2	18.9	16.5	11.8	11.8	14.2
127.5°	11.8	11.8	14.2	14.2	16.5	18.9	16.5	14.2	11.8	11.8	14.2
130°	11.8	11.8	14.2	14.2	16.5	16.5	16.5	11.8	11.8	11.8	11.8
132.5°	14.2	14.2	14.2	14.2	14.2	16.5	14.2	11.8	9.4	9.4	11.8
135°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.8	9.4	9.4	11.8
137.5°	11.8	14.2	11.8	11.8	11.8	14.2	11.8	9.4	9.4	9.4	9.4
140°	11.8	11.8	11.8	11.8	11.8	11.8	9.4	7.1	9.4	9.4	9.4
142.5°	11.8	11.8	11.8	9.4	9.4	9.4	9.4	7.1	7.1	7.1	9.4
145°	9.4	9.4	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1
147.5°	9.4	9.4	9.4	7.1	7.1	7.1	4.7	4.7	4.7	4.7	7.1
150°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	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°	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
2.5°	153.4	151.0	148.7	146.3	141.6	139.2	139.2	136.9	136.9	136.9	136.9
5°	160.5	158.1	151.0	144.0	136.9	132.2	127.4	127.4	125.1	122.7	122.7
7.5°	177.0	169.9	158.1	146.3	139.2	129.8	125.1	120.4	118.0	118.0	118.0
10°	200.6	191.2	172.3	155.8	144.0	132.2	125.1	120.4	118.0	115.6	115.6
12.5°	233.6	221.8	193.5	172.3	151.0	139.2	129.8	125.1	122.7	122.7	122.7
15°	280.8	262.0	226.6	191.2	167.6	146.3	141.6	141.6	144.0	144.0	144.0
17.5°	342.2	313.9	259.6	214.8	184.1	165.2	158.1	160.5	165.2	165.2	165.2
20°	408.3	375.2	302.1	245.4	205.3	188.8	179.4	184.1	191.2	195.9	195.9
22.5°	500.3	453.1	354.0	278.5	231.3	210.0	205.3	210.0	221.8	226.6	226.6
25°	606.5	535.7	408.3	313.9	259.6	236.0	231.3	238.4	252.5	264.3	264.3
27.5°	717.4	627.8	467.3	349.3	285.6	257.2	254.9	266.7	285.6	297.4	299.7
30°	844.9	722.2	521.6	384.7	311.5	278.5	278.5	297.4	318.6	335.1	337.5
32.5°	970.0	821.3	568.8	415.4	335.1	297.4	299.7	323.3	351.6	365.8	370.5
35°	1097.4	906.2	611.2	441.3	351.6	313.9	318.6	349.3	377.6	394.1	394.1
37.5°	1220.1	984.1	632.5	455.5	365.8	325.7	335.1	370.5	398.8	413.0	415.4
40°	1338.1	1043.1	646.6	464.9	375.2	337.5	346.9	384.7	415.4	429.5	429.5
42.5°	1442.0	1092.7	649.0	467.3	382.3	344.6	358.7	396.5	424.8	434.2	436.6
45°	1548.2	1135.2	637.2	462.6	387.0	351.6	363.4	403.6	429.5	436.6	439.0
47.5°	1644.9	1170.6	623.0	457.8	389.4	354.0	368.2	408.3	431.9	434.2	436.6
50°	1758.2	1198.9	601.8	450.8	391.8	356.4	370.5	408.3	431.9	431.9	431.9
52.5°	1866.8	1222.5	580.6	443.7	391.8	356.4	370.5	410.6	431.9	429.5	429.5
55°	1984.8	1243.7	559.3	439.0	389.4	356.4	370.5	410.6	429.5	427.2	429.5
57.5°	2076.8	1253.2	542.8	434.2	389.4	354.0	368.2	408.3	427.2	427.2	427.2
60°	2157.1	1250.8	521.6	429.5	387.0	351.6	368.2	405.9	427.2	427.2	427.2
62.5°	2204.3	1229.6	500.3	424.8	382.3	346.9	365.8	405.9	427.2	429.5	429.5
65°	2185.4	1191.8	472.0	413.0	372.9	342.2	363.4	401.2	424.8	431.9	434.2
67.5°	2105.1	1106.8	441.3	396.5	363.4	337.5	361.1	396.5	420.1	431.9	431.9
70°	1937.6	1000.6	401.2	372.9	346.9	330.4	354.0	389.4	410.6	424.8	424.8
72.5°	1703.9	863.8	363.4	342.2	328.0	318.6	346.9	377.6	396.5	408.3	408.3
75°	1416.0	717.4	318.6	306.8	304.4	302.1	332.8	361.1	372.9	382.3	382.3
77.5°	1106.8	578.2	271.4	271.4	271.4	280.8	313.9	332.8	342.2	351.6	351.6
80°	809.5	441.3	228.9	231.3	238.4	257.2	285.6	299.7	304.4	313.9	309.2
82.5°	552.2	321.0	191.2	191.2	205.3	226.6	254.9	262.0	264.3	271.4	264.3
85°	363.4	231.3	158.1	158.1	172.3	193.5	214.8	219.5	219.5	224.2	217.1
87.5°	236.0	169.9	129.8	129.8	139.2	160.5	177.0	177.0	177.0	181.7	174.6
90°	167.6	129.8	108.6	106.2	113.3	129.8	141.6	139.2	139.2	141.6	136.9
92.5°	122.7	106.2	92.0	89.7	94.4	106.2	113.3	110.9	113.3	110.9	108.6
95°	96.8	87.3	80.2	77.9	80.2	87.3	92.0	89.7	89.7	87.3	85.0
97.5°	77.9	73.2	70.8	68.4	68.4	70.8	75.5	73.2	75.5	70.8	68.4
100°	63.7	61.4	61.4	61.4	59.0	61.4	63.7	63.7	63.7	59.0	59.0
102.5°	49.6	51.9	54.3	54.3	51.9	54.3	54.3	54.3	54.3	49.6	49.6
105°	40.1	42.5	47.2	47.2	47.2	47.2	47.2	47.2	47.2	42.5	42.5
107.5°	33.0	35.4	40.1	42.5	40.1	40.1	42.5	42.5	40.1	37.8	37.8
110°	28.3	30.7	33.0	35.4	35.4	35.4	37.8	37.8	35.4	33.0	30.7

REPORT NUMBER: P695884
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

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