

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: P695627

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695627
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-PA16-60-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA 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: 6119.1 lumens
Efficiency: N/A
Efficacy: 98.7 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

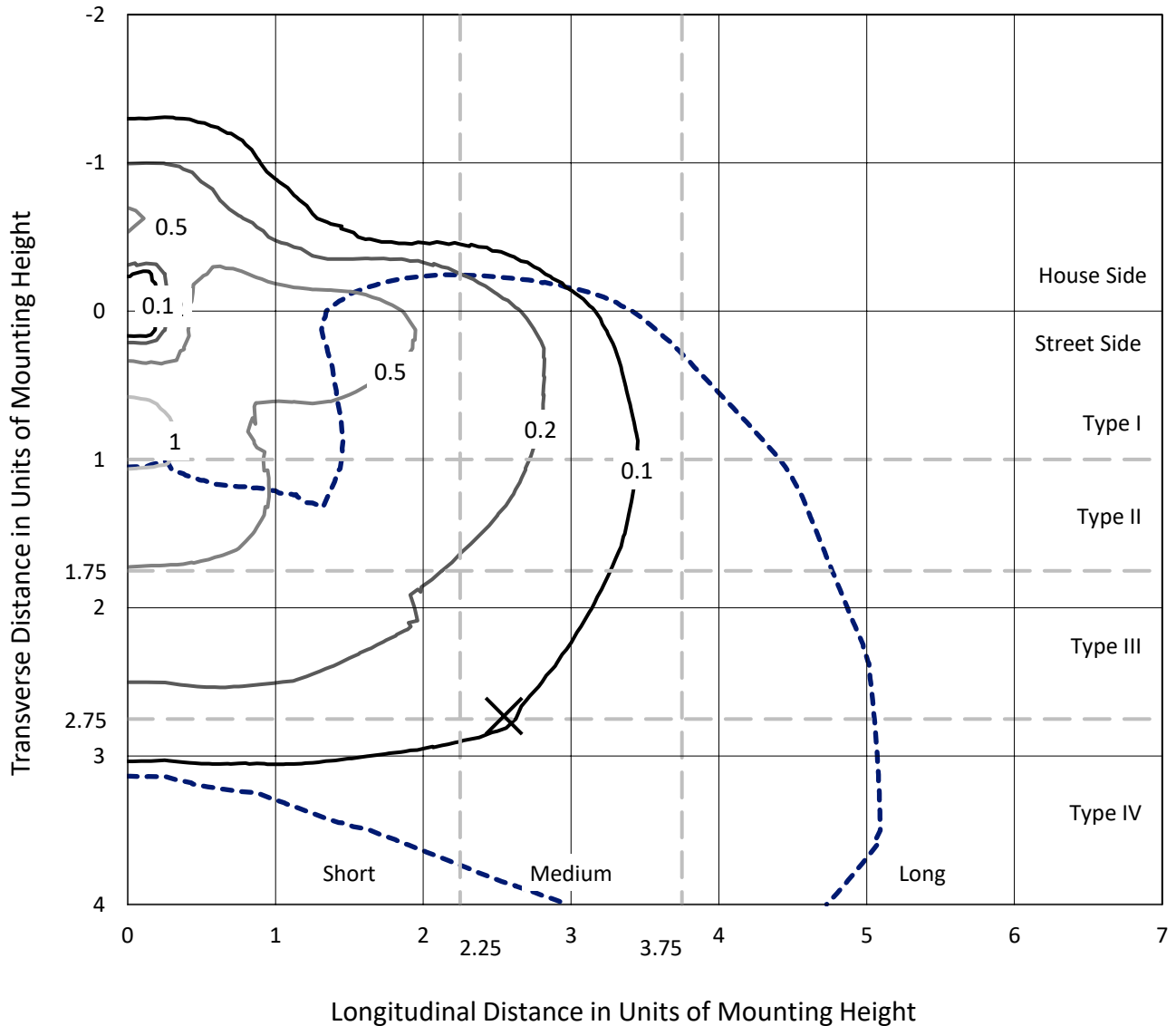
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

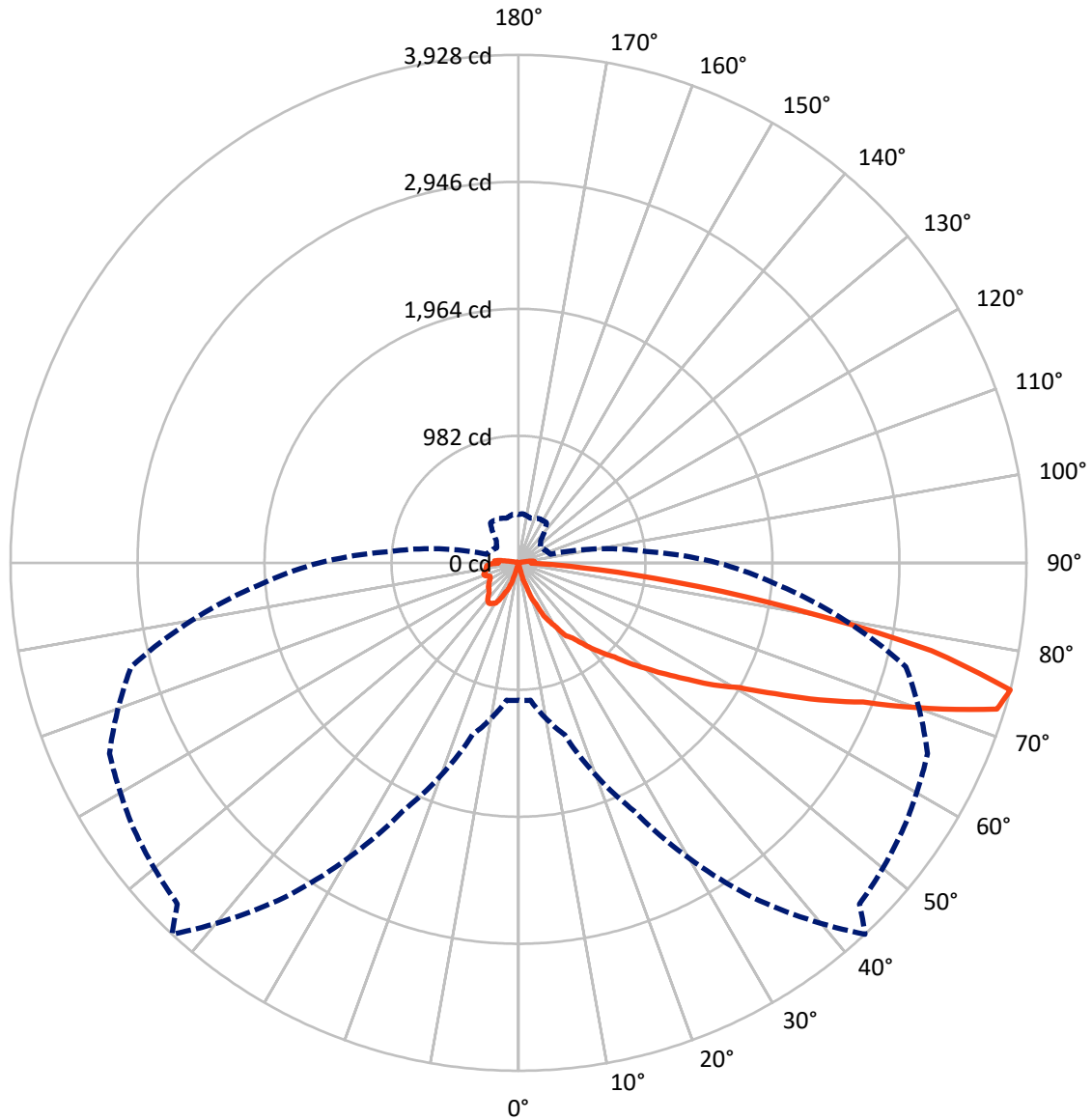
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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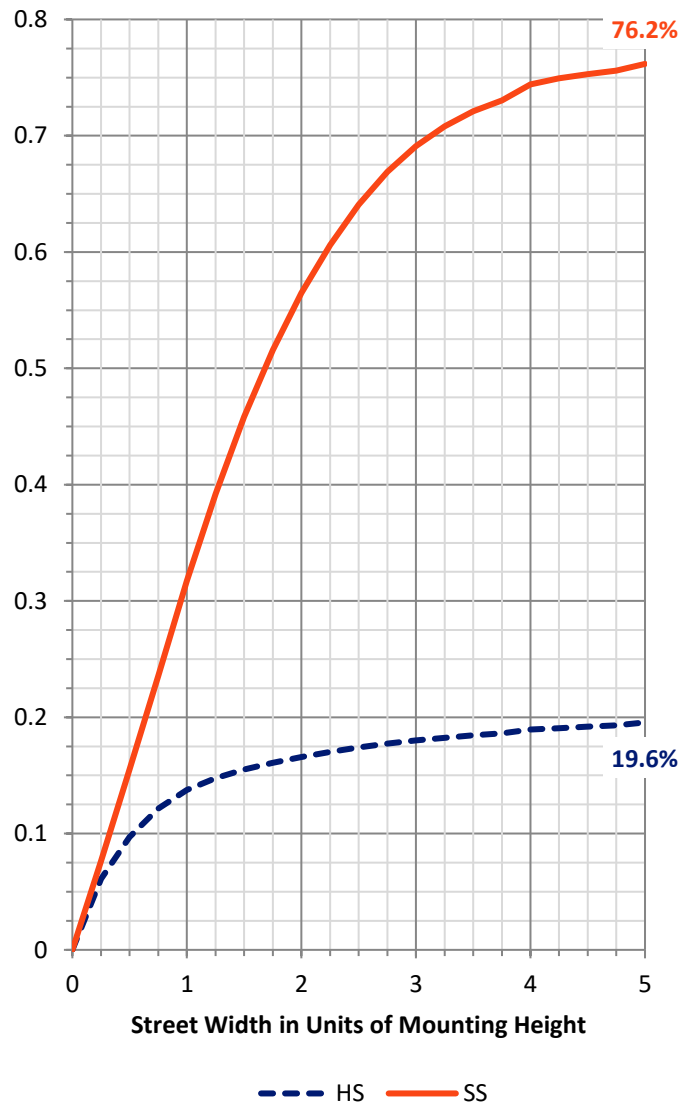
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1274.9	85.9	1360.8
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	4696.0	62.3	4758.3
	% Fixture	76.7	1.0	77.8
Total	Lumens	5970.9	148.2	6119.1
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	36.3	0.6
20°-30°	198.8	3.2
30°-40°	465.3	7.6
40°-50°	704.9	11.5
50°-60°	1096.3	17.9
60°-70°	1651.5	27.0
70°-80°	1486.1	24.3
80°-90°	331.2	5.4
90°-100°	113.9	1.9
100°-110°	18.7	0.3
110°-120°	6.0	0.1
120°-130°	4.5	0.1
130°-140°	2.7	0.0
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5970.9	97.6
0°-180°	6119.1	100.0

Coefficient of Utilization

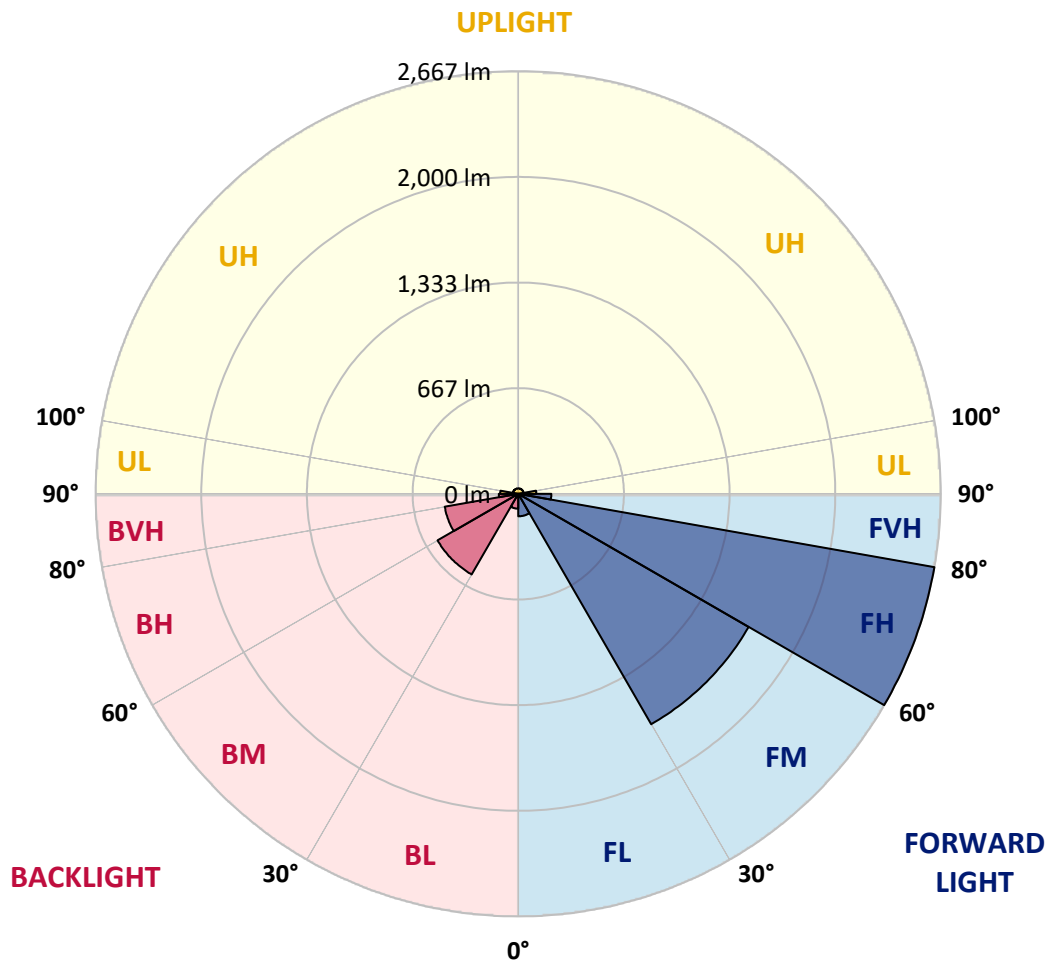


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.8	2.3			
FM (30°-60°)	1678.9	27.4			
FH (60°-80°)	2666.7	43.6			G2/5000
FVH (80°-90°)	208.6	3.4			G2/225
BL (0°-30°)	93.8	1.5	B0/110		
BM (30°-60°)	587.6	9.6	B1/1000		
BH (60°-80°)	470.9	7.7	B1/500		G1/500
BVH (80°-90°)	122.6	2.0			G2/225
UL (90°-100°)	113.9	1.9		U3/500	
UH (100°-180°)	34.2	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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	2.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
7.5°	6.4	6.4	4.3	4.3	6.4	4.3	4.3	4.3	4.3	4.3	4.3
10°	42.5	42.5	38.3	23.4	10.6	6.4	6.4	6.4	4.3	6.4	6.4
12.5°	176.4	176.4	163.7	153.0	46.8	27.6	19.1	10.6	19.1	27.6	36.1
15°	210.4	210.4	201.9	182.8	170.1	133.9	87.2	51.0	138.2	146.7	144.5
17.5°	382.6	329.5	261.5	227.4	191.3	174.3	195.6	159.4	174.3	178.6	176.4
20°	448.5	440.0	420.9	399.6	242.3	295.5	274.2	272.1	212.6	274.2	323.1
22.5°	484.6	484.6	452.8	425.1	431.5	340.1	321.0	308.2	355.0	386.9	384.7
25°	673.8	673.8	646.2	469.8	454.9	452.8	418.7	444.3	446.4	444.3	448.5
27.5°	714.2	707.8	682.3	624.9	505.9	516.5	525.0	495.3	550.5	644.1	637.7
30°	1020.3	984.2	799.2	671.7	631.3	578.2	559.0	601.6	658.9	682.3	686.6
32.5°	1184.0	1171.2	1086.2	894.9	699.3	673.8	637.7	671.7	684.5	839.6	903.4
35°	1366.8	1343.4	1269.0	1011.8	846.0	710.0	695.1	675.9	809.9	880.0	941.7
37.5°	1504.9	1502.8	1436.9	1152.1	939.5	782.2	733.3	752.5	837.5	922.5	979.9
40°	1624.0	1615.5	1585.7	1281.8	1018.2	867.3	782.2	797.1	877.9	962.9	1028.8
42.5°	1749.4	1743.0	1745.1	1390.2	1118.1	952.3	850.3	839.6	926.8	1028.8	1103.2
45°	1893.9	1889.7	1883.3	1551.7	1230.7	1039.4	937.4	907.6	1024.6	1111.7	1201.0
47.5°	1955.6	1947.1	1991.7	1689.9	1356.1	1160.6	1033.1	996.9	1133.0	1235.0	1358.3
50°	2034.2	2025.7	2053.4	1830.2	1504.9	1288.1	1160.6	1105.3	1264.7	1405.0	1564.5
52.5°	2183.0	2259.5	2151.1	1983.2	1711.1	1430.5	1288.1	1245.6	1441.2	1632.5	1902.4
55°	2361.6	2344.6	2287.2	2159.6	1900.3	1592.1	1428.4	1405.0	1677.1	1919.4	2251.0
57.5°	2395.6	2376.4	2423.2	2340.3	2119.2	1783.4	1590.0	1600.6	1915.2	2219.2	2642.2
60°	2474.2	2461.5	2548.6	2593.3	2344.6	1959.8	1757.9	1859.9	2159.6	2525.2	3020.5
62.5°	2557.1	2572.0	2701.7	2767.6	2495.5	2227.7	1987.5	2155.4	2533.7	2856.8	3356.4
65°	2544.4	2565.6	2833.5	2867.5	2680.4	2552.9	2272.3	2491.2	2878.1	3199.1	3600.8
67.5°	2480.6	2501.9	2865.3	3003.5	2933.4	2876.0	2597.5	2854.7	3196.9	3430.8	3677.3
70°	2348.8	2350.9	2710.2	3111.9	3243.7	3373.4	3043.9	3211.8	3509.4	3632.7	3488.2
72.5°	1900.3	1915.2	2253.2	2899.4	3471.1	3868.6	3549.8	3545.5	3677.3	3573.2	2869.6
75°	1062.8	1067.1	1377.4	2119.2	3160.8	3928.2	3730.5	3622.1	3490.3	3101.3	2027.8
77.5°	323.1	361.4	482.5	1077.7	2212.8	3265.0	3211.8	3186.3	2918.5	2187.3	1103.2
80°	163.7	170.1	216.8	372.0	1143.6	2161.8	2208.5	2287.2	1819.5	943.8	512.3
82.5°	93.5	97.8	131.8	197.7	486.8	1207.4	1326.4	1249.9	782.2	444.3	355.0
85°	46.8	46.8	61.6	91.4	227.4	478.3	554.8	448.5	338.0	293.3	287.0
87.5°	25.5	25.5	21.3	27.6	70.1	106.3	123.3	167.9	180.7	184.9	244.4
90°	27.6	27.6	21.3	23.4	51.0	95.7	136.0	163.7	167.9	176.4	248.7
92.5°	27.6	27.6	21.3	21.3	46.8	112.7	155.2	178.6	174.3	189.2	255.1
95°	27.6	25.5	19.1	21.3	40.4	121.2	146.7	189.2	167.9	170.1	212.6
97.5°	17.0	17.0	12.8	17.0	29.8	93.5	102.0	136.0	114.8	76.5	99.9
100°	12.8	12.8	8.5	12.8	17.0	44.6	42.5	65.9	51.0	17.0	25.5
102.5°	12.8	14.9	8.5	8.5	10.6	12.8	14.9	21.3	21.3	12.8	17.0
105°	14.9	14.9	6.4	6.4	6.4	6.4	8.5	8.5	8.5	10.6	17.0
107.5°	12.8	12.8	6.4	4.3	4.3	6.4	6.4	4.3	6.4	8.5	19.1
110°	8.5	8.5	4.3	4.3	4.3	4.3	4.3	4.3	6.4	8.5	14.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	4.3	6.4	2.1	4.3	2.1	4.3	4.3	4.3	4.3	6.4	8.5
115°	6.4	4.3	2.1	2.1	2.1	4.3	4.3	4.3	4.3	6.4	8.5
117.5°	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	10.6
120°	6.4	6.4	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.5
122.5°	6.4	6.4	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.5
125°	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.4	8.5
127.5°	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	8.5
130°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	8.5
132.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
142.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
145°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	4.3
150°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	2.1	2.1	2.1	4.3	4.3	4.3	4.3	4.3
5°	4.3	4.3	4.3	4.3	2.1	4.3	4.3	4.3	4.3	4.3	4.3
7.5°	4.3	4.3	4.3	4.3	2.1	2.1	4.3	4.3	4.3	4.3	4.3
10°	6.4	6.4	4.3	4.3	4.3	2.1	4.3	4.3	4.3	4.3	4.3
12.5°	38.3	36.1	25.5	14.9	6.4	4.3	4.3	4.3	6.4	8.5	8.5
15°	146.7	142.4	138.2	125.4	36.1	8.5	6.4	19.1	74.4	104.2	121.2
17.5°	172.2	170.1	165.8	157.3	144.5	48.9	63.8	136.0	161.5	165.8	170.1
20°	316.7	310.3	240.2	180.7	165.8	174.3	153.0	170.1	178.6	184.9	191.3
22.5°	376.2	369.9	350.7	321.0	197.7	229.6	221.1	195.6	297.6	321.0	325.2
25°	440.0	429.4	389.0	357.1	329.5	255.1	274.2	310.3	335.8	352.9	352.9
27.5°	627.1	605.8	554.8	393.2	365.6	312.5	335.8	329.5	372.0	457.0	463.4
30°	678.1	654.7	582.4	486.8	389.0	361.4	346.5	425.1	480.4	499.5	505.9
32.5°	903.4	882.1	754.6	501.6	427.3	361.4	401.7	442.1	480.4	569.7	578.2
35°	948.0	914.0	782.2	578.2	425.1	378.4	403.9	450.6	556.9	597.3	605.8
37.5°	992.7	958.7	780.1	554.8	452.8	384.7	395.4	461.3	518.7	546.3	552.7
40°	1054.3	1003.3	765.2	516.5	431.5	369.9	391.1	433.6	467.6	476.1	482.5
42.5°	1135.1	1064.9	748.2	478.3	399.6	346.5	365.6	397.5	418.7	406.0	406.0
45°	1247.7	1139.3	716.3	440.0	369.9	321.0	344.4	367.7	378.4	355.0	348.6
47.5°	1388.0	1228.6	682.3	403.9	350.7	306.1	331.6	350.7	350.7	318.8	314.6
50°	1558.1	1339.1	637.7	374.1	329.5	297.6	318.8	335.8	325.2	293.3	291.2
52.5°	1817.4	1507.1	595.2	348.6	310.3	289.1	316.7	314.6	299.7	272.1	270.0
55°	2138.4	1726.0	556.9	329.5	297.6	274.2	310.3	301.8	284.8	259.3	259.3
57.5°	2457.2	1966.2	516.5	316.7	282.7	261.5	299.7	295.5	276.3	250.8	248.7
60°	2769.7	2187.3	457.0	306.1	263.6	248.7	287.0	297.6	272.1	246.6	246.6
62.5°	3022.6	2293.5	391.1	289.1	244.4	240.2	280.6	306.1	293.3	282.7	282.7
65°	3105.5	2229.8	340.1	276.3	231.7	233.8	282.7	338.0	342.2	355.0	357.1
67.5°	3048.1	2049.1	306.1	265.7	223.2	244.4	323.1	380.5	369.9	378.4	382.6
70°	2799.4	1783.4	287.0	252.9	223.2	261.5	355.0	380.5	365.6	391.1	393.2
72.5°	2272.3	1443.3	270.0	242.3	214.7	259.3	374.1	376.2	365.6	395.4	391.1
75°	1541.1	994.8	255.1	229.6	204.1	240.2	378.4	376.2	357.1	380.5	374.1
77.5°	778.0	505.9	235.9	214.7	189.2	229.6	374.1	378.4	352.9	372.0	365.6
80°	395.4	325.2	210.4	197.7	172.2	225.3	365.6	374.1	338.0	355.0	352.9
82.5°	304.0	255.1	176.4	172.2	157.3	221.1	352.9	361.4	321.0	333.7	325.2
85°	248.7	201.9	129.7	133.9	142.4	223.2	350.7	357.1	310.3	304.0	299.7
87.5°	210.4	155.2	63.8	68.0	104.2	199.8	299.7	295.5	242.3	240.2	244.4
90°	210.4	142.4	42.5	42.5	85.0	142.4	197.7	178.6	167.9	178.6	176.4
92.5°	208.3	129.7	44.6	44.6	95.7	157.3	223.2	184.9	172.2	176.4	174.3
95°	172.2	106.3	51.0	48.9	82.9	174.3	231.7	189.2	176.4	170.1	170.1
97.5°	87.2	59.5	48.9	48.9	65.9	142.4	184.9	148.8	112.7	93.5	99.9
100°	21.3	23.4	46.8	46.8	40.4	72.3	102.0	91.4	46.8	23.4	21.3
102.5°	17.0	14.9	36.1	40.4	25.5	25.5	46.8	53.1	36.1	10.6	10.6
105°	17.0	14.9	17.0	21.3	12.8	10.6	17.0	29.8	17.0	10.6	10.6
107.5°	19.1	17.0	8.5	8.5	8.5	8.5	8.5	10.6	8.5	10.6	10.6
110°	17.0	14.9	8.5	8.5	6.4	8.5	6.4	8.5	8.5	10.6	10.6

REPORT NUMBER: P695627
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	10.6	6.4	6.4	6.4	6.4	6.4	6.4	8.5	10.6	10.6
115°	10.6	10.6	6.4	6.4	4.3	6.4	6.4	6.4	8.5	12.8	12.8
117.5°	10.6	8.5	6.4	4.3	4.3	4.3	4.3	6.4	8.5	12.8	12.8
120°	10.6	8.5	6.4	4.3	4.3	4.3	4.3	4.3	8.5	12.8	12.8
122.5°	10.6	8.5	6.4	4.3	4.3	4.3	4.3	4.3	8.5	12.8	12.8
125°	8.5	8.5	6.4	4.3	4.3	4.3	4.3	4.3	6.4	12.8	12.8
127.5°	8.5	8.5	6.4	4.3	4.3	4.3	4.3	4.3	6.4	10.6	12.8
130°	8.5	8.5	4.3	4.3	2.1	2.1	4.3	4.3	6.4	10.6	10.6
132.5°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	6.4	10.6	10.6
135°	6.4	4.3	4.3	2.1	2.1	2.1	2.1	4.3	6.4	8.5	8.5
137.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
140°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
142.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
145°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
147.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
150°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
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)