

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: P695628

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5785 lumens  
Efficiency: N/A  
Efficacy: 93.3 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 - G3

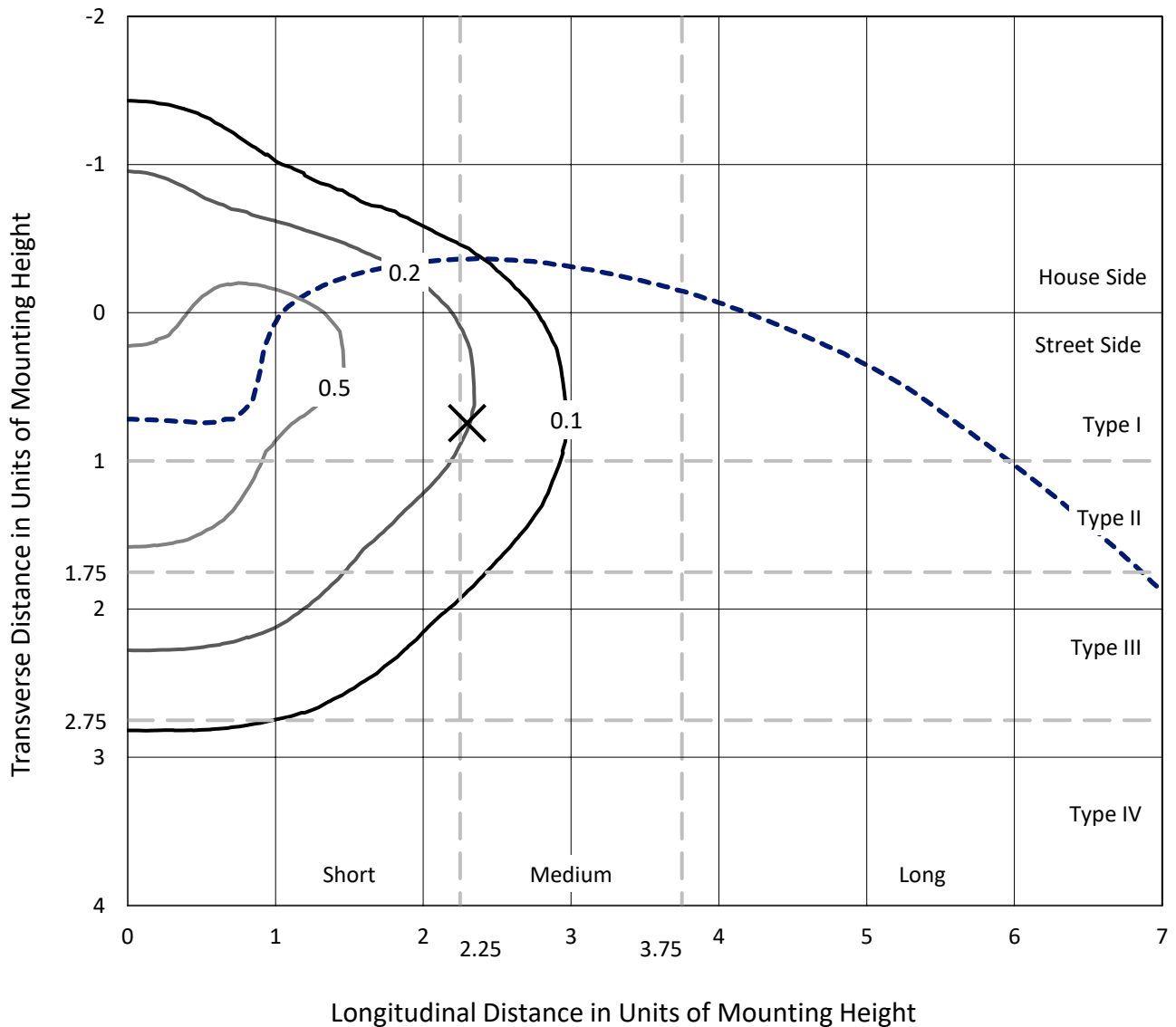
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

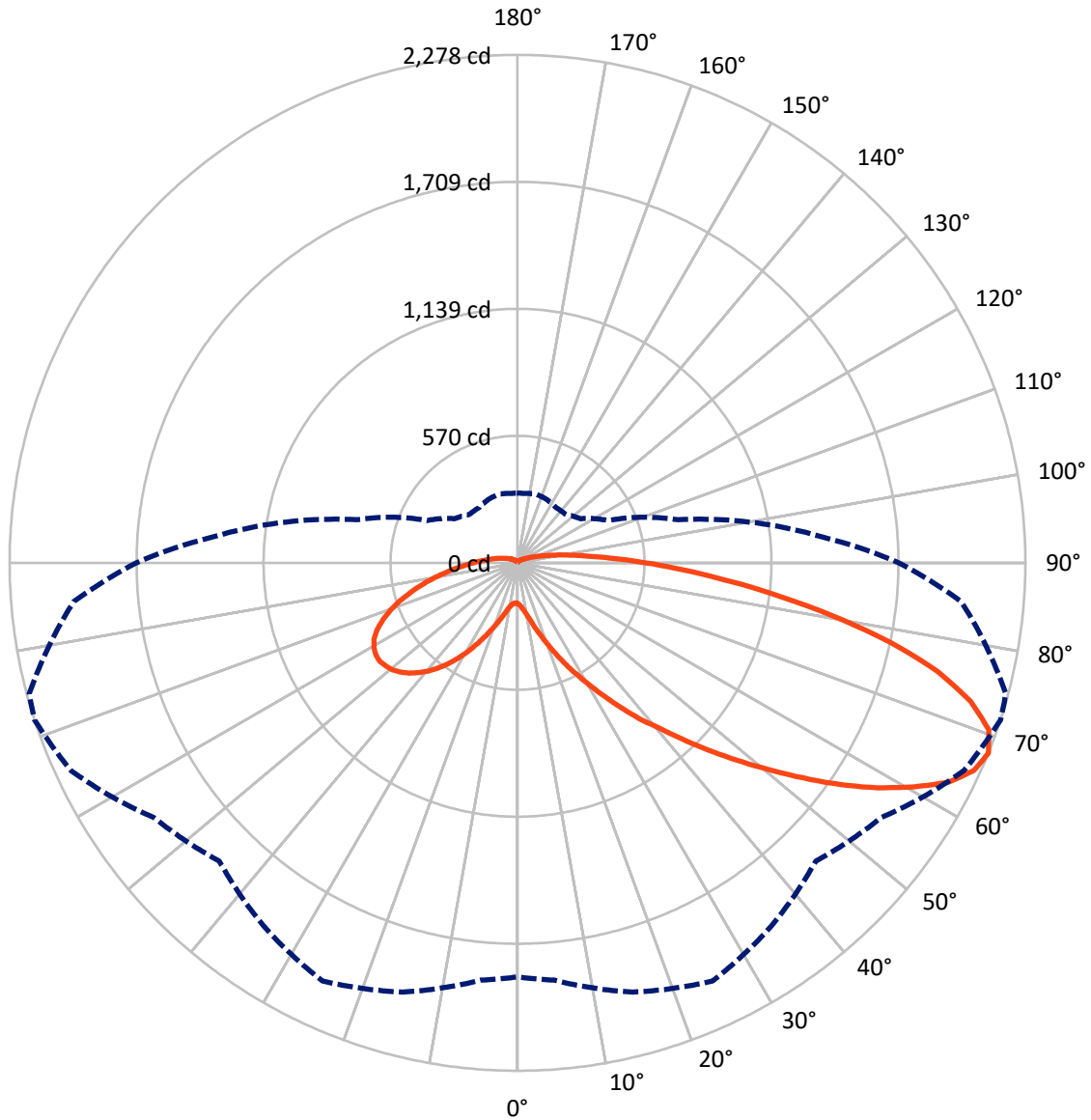
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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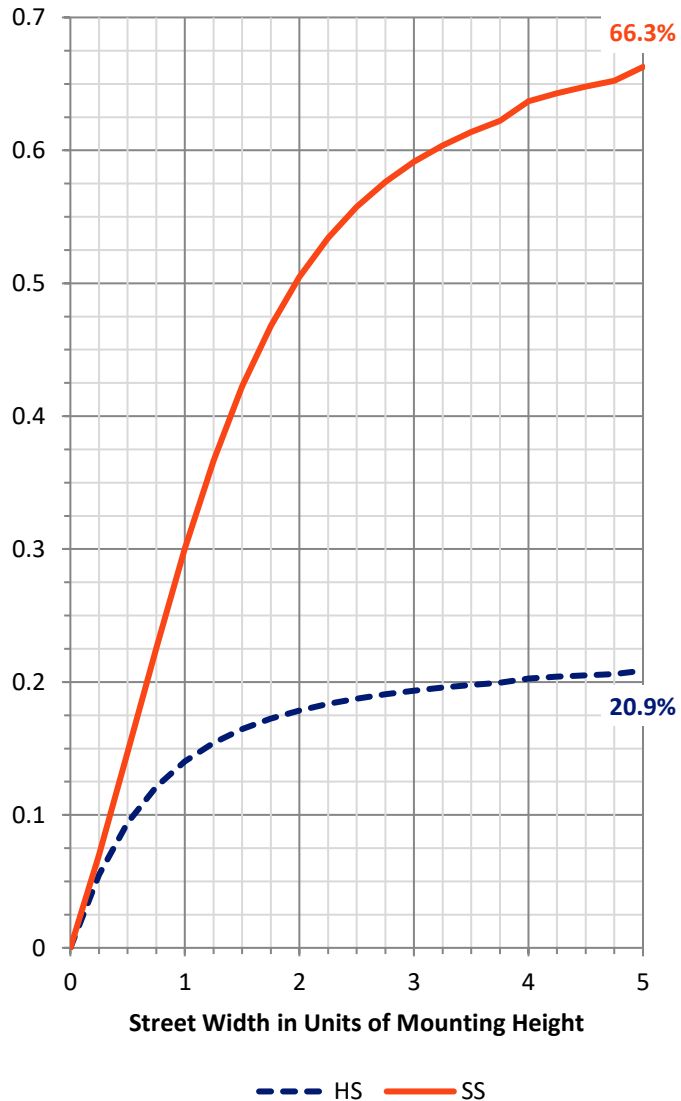
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1277.9	171.2	1449.1
	% Fixture	22.1	3.0	25.0
<b>Street Side</b>	Lumens	4050.3	285.6	4336.0
	% Fixture	70.0	4.9	75.0
<b>Total</b>	Lumens	5328.2	456.8	5785.0
	% Fixture	92.1	7.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.3
10°-20°	79.4	1.4
20°-30°	203.2	3.5
30°-40°	408.1	7.1
40°-50°	686.9	11.9
50°-60°	1014.6	17.5
60°-70°	1250.2	21.6
70°-80°	1079.4	18.7
80°-90°	587.3	10.2
90°-100°	249.6	4.3
100°-110°	109.4	1.9
110°-120°	52.7	0.9
120°-130°	26.9	0.5
130°-140°	13.1	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°	5328.2	92.1
0°-180°	5785.0	100.0

**Coefficient of Utilization**

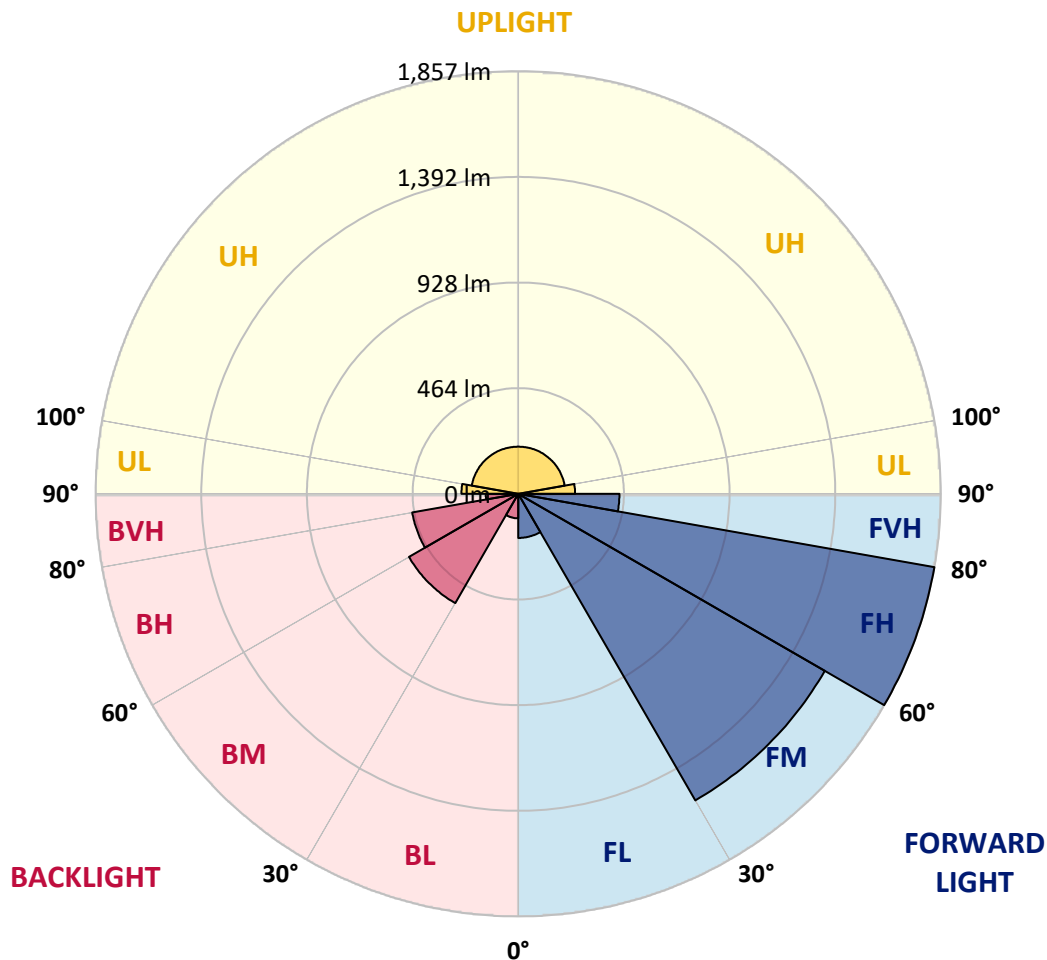


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.0	3.4			
FM (30°-60°)	1555.3	26.9			
FH (60°-80°)	1856.6	32.1			G2/5000
FVH (80°-90°)	444.5	7.7			G3/500
BL (0°-30°)	107.7	1.9	B0/110		
BM (30°-60°)	554.3	9.6	B1/1000		
BH (60°-80°)	473.0	8.2	B1/500		G1/500
BVH (80°-90°)	142.8	2.5			G2/225
UL (90°-100°)	249.6	4.3		U3/500	
UH (100°-180°)	207.2	3.6		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	199.8	199.8	199.8	197.6	195.5	195.5	193.4	191.3	189.1	187.0	184.9
5°	223.1	223.1	221.0	221.0	216.8	214.6	210.4	204.0	201.9	199.8	193.4
7.5°	252.9	252.9	248.6	248.6	242.3	238.0	231.6	223.1	216.8	214.6	206.1
10°	286.9	284.8	284.8	278.4	272.0	267.8	257.1	246.5	240.1	235.9	225.3
12.5°	331.5	329.4	325.1	318.8	310.3	299.6	289.0	278.4	267.8	263.5	250.8
15°	380.4	380.4	376.2	365.5	354.9	340.0	327.3	314.5	306.0	301.8	284.8
17.5°	437.8	435.7	431.4	418.7	401.7	386.8	371.9	357.0	346.4	342.1	323.0
20°	507.9	505.8	493.0	473.9	459.0	437.8	418.7	401.7	393.2	388.9	367.7
22.5°	584.4	580.2	567.4	544.0	514.3	493.0	471.8	454.8	446.3	439.9	420.8
25°	671.5	665.2	648.2	612.0	578.0	548.3	527.0	510.0	505.8	501.5	476.0
27.5°	767.2	762.9	739.6	694.9	648.2	614.2	586.5	575.9	567.4	563.2	535.5
30°	877.7	871.3	835.2	784.2	722.6	673.7	648.2	641.8	635.4	637.5	612.0
32.5°	986.1	986.1	941.4	873.4	796.9	739.6	709.8	714.1	711.9	711.9	682.2
35°	1103.0	1105.1	1049.8	975.4	875.6	809.7	779.9	790.6	794.8	792.7	762.9
37.5°	1226.2	1222.0	1166.7	1073.2	958.4	877.7	852.2	867.1	886.2	879.8	852.2
40°	1362.2	1353.7	1300.6	1179.5	1049.8	952.1	928.7	958.4	971.2	979.7	941.4
42.5°	1485.5	1481.2	1419.6	1294.2	1141.2	1030.7	1005.2	1045.6	1079.6	1081.7	1043.5
45°	1606.6	1598.1	1547.1	1406.9	1230.5	1120.0	1098.7	1156.1	1196.5	1200.7	1158.2
47.5°	1717.1	1717.1	1659.7	1521.6	1341.0	1209.2	1194.3	1270.8	1321.8	1326.1	1279.3
50°	1831.9	1827.6	1778.8	1638.5	1445.1	1307.0	1300.6	1398.4	1455.7	1462.1	1400.5
52.5°	1916.9	1916.9	1885.0	1753.3	1545.0	1402.6	1413.2	1528.0	1602.4	1619.4	1538.6
55°	1991.3	1993.4	1972.1	1853.1	1659.7	1506.7	1521.6	1666.1	1755.4	1778.8	1676.7
57.5°	2040.1	2042.3	2048.6	1955.1	1759.6	1602.4	1640.6	1812.8	1904.1	1923.3	1808.5
60°	2059.3	2065.6	2095.4	2033.8	1848.9	1702.2	1753.3	1944.5	2040.1	2061.4	1914.8
62.5°	2040.1	2050.8	2110.3	2089.0	1929.6	1787.3	1855.3	2065.6	2167.7	2176.2	1999.8
65°	1982.8	1995.5	2076.3	2101.8	1976.4	1855.3	1944.5	2159.2	2248.4	2250.5	2027.4
67.5°	1857.4	1878.6	1993.4	2069.9	1987.0	1891.4	1991.3	2208.0	2278.2	2267.5	1997.6
70°	1704.4	1721.4	1853.1	1976.4	1948.8	1885.0	1997.6	2197.4	2242.0	2216.5	1897.8
72.5°	1491.9	1511.0	1666.1	1827.6	1851.0	1834.0	1944.5	2125.2	2125.2	2086.9	1742.6
75°	1262.3	1298.5	1436.6	1627.9	1712.9	1721.4	1840.4	1976.4	1946.6	1891.4	1523.7
77.5°	1039.2	1052.0	1188.0	1400.5	1511.0	1562.0	1668.2	1759.6	1706.5	1640.6	1292.1
80°	826.7	837.3	960.6	1156.1	1296.3	1383.5	1470.6	1500.4	1426.0	1360.1	1054.1
82.5°	641.8	654.5	765.1	937.2	1077.5	1164.6	1236.8	1243.2	1156.1	1096.6	839.4
85°	482.4	495.2	588.7	741.7	873.4	964.8	1009.4	1005.2	909.6	860.7	650.3
87.5°	374.0	371.9	448.4	569.5	692.8	765.1	799.1	771.4	705.6	663.0	499.4
90°	278.4	286.9	346.4	444.2	539.8	601.4	629.0	597.2	541.9	507.9	384.7
92.5°	214.6	218.9	272.0	346.4	427.2	480.3	499.4	463.3	410.2	391.0	295.4
95°	167.9	172.1	210.4	272.0	331.5	371.9	382.5	354.9	312.4	297.5	229.5
97.5°	136.0	138.1	165.8	216.8	263.5	295.4	299.6	272.0	244.4	227.4	180.6
100°	108.4	108.4	133.9	172.1	208.3	233.8	231.6	214.6	191.3	178.5	140.3
102.5°	89.3	89.3	108.4	142.4	170.0	189.1	189.1	167.9	148.8	138.1	110.5
105°	74.4	74.4	89.3	114.8	140.3	155.1	153.0	136.0	116.9	108.4	87.1
107.5°	63.8	63.8	74.4	95.6	114.8	127.5	125.4	108.4	93.5	87.1	72.3
110°	55.3	55.3	63.8	80.8	97.8	106.3	104.1	87.1	74.4	70.1	59.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	46.8	48.9	53.1	68.0	82.9	91.4	87.1	72.3	59.5	55.3	51.0
115°	42.5	42.5	46.8	57.4	70.1	76.5	72.3	59.5	48.9	46.8	42.5
117.5°	38.3	38.3	42.5	51.0	61.6	65.9	61.6	48.9	42.5	38.3	36.1
120°	34.0	34.0	36.1	44.6	51.0	55.3	51.0	40.4	34.0	34.0	31.9
122.5°	31.9	31.9	34.0	38.3	44.6	46.8	42.5	34.0	29.8	29.8	29.8
125°	27.6	29.8	29.8	34.0	38.3	40.4	36.1	29.8	25.5	25.5	25.5
127.5°	25.5	25.5	27.6	29.8	31.9	34.0	29.8	25.5	23.4	21.3	23.4
130°	23.4	23.4	23.4	25.5	27.6	27.6	25.5	21.3	19.1	19.1	21.3
132.5°	21.3	21.3	21.3	21.3	23.4	23.4	21.3	17.0	17.0	17.0	19.1
135°	19.1	19.1	19.1	19.1	19.1	19.1	17.0	14.9	14.9	14.9	17.0
137.5°	17.0	17.0	17.0	17.0	14.9	14.9	12.8	12.8	12.8	12.8	14.9
140°	14.9	14.9	14.9	12.8	12.8	10.6	10.6	10.6	10.6	10.6	12.8
142.5°	12.8	12.8	12.8	10.6	8.5	8.5	8.5	8.5	8.5	8.5	10.6
145°	10.6	10.6	8.5	8.5	6.4	6.4	6.4	6.4	6.4	6.4	8.5
147.5°	8.5	8.5	6.4	6.4	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	6.4	6.4	4.3	4.3	4.3	2.1	2.1	4.3	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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 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	184.9	182.8	180.6	178.5	176.4	176.4	174.3	172.1	172.1	172.1	170.0
5°	191.3	187.0	182.8	178.5	172.1	170.0	165.8	163.6	161.5	159.4	159.4
7.5°	201.9	197.6	189.1	180.6	174.3	167.9	161.5	157.3	155.1	153.0	153.0
10°	218.9	212.5	199.8	189.1	178.5	170.0	163.6	157.3	155.1	153.0	150.9
12.5°	242.3	235.9	218.9	201.9	189.1	176.4	167.9	161.5	157.3	155.1	155.1
15°	276.3	265.6	244.4	223.1	204.0	189.1	178.5	172.1	170.0	167.9	167.9
17.5°	312.4	297.5	274.1	246.5	225.3	206.1	193.4	189.1	184.9	182.8	182.8
20°	354.9	337.9	308.1	274.1	246.5	227.4	212.5	204.0	199.8	197.6	197.6
22.5°	401.7	386.8	344.3	306.0	272.0	250.8	229.5	218.9	214.6	212.5	214.6
25°	456.9	435.7	386.8	340.0	299.6	269.9	248.6	233.8	231.6	229.5	231.6
27.5°	518.5	490.9	433.5	371.9	325.1	289.0	265.6	250.8	248.6	246.5	248.6
30°	584.4	558.9	482.4	410.2	350.7	306.0	280.5	267.8	263.5	265.6	263.5
32.5°	656.7	616.3	531.3	444.2	371.9	318.8	291.1	280.5	280.5	282.6	282.6
35°	735.3	690.7	580.2	476.0	388.9	331.5	301.8	293.3	293.3	297.5	297.5
37.5°	813.9	760.8	629.0	501.5	401.7	337.9	310.3	303.9	303.9	310.3	310.3
40°	898.9	835.2	673.7	524.9	412.3	344.3	314.5	312.4	314.5	320.9	320.9
42.5°	990.3	907.4	714.1	541.9	416.5	346.4	318.8	318.8	323.0	327.3	329.4
45°	1086.0	986.1	754.4	552.5	418.7	346.4	320.9	320.9	329.4	333.6	333.6
47.5°	1190.1	1064.7	786.3	558.9	416.5	344.3	320.9	325.1	331.5	335.8	335.8
50°	1302.7	1149.7	816.1	558.9	412.3	342.1	320.9	325.1	333.6	335.8	335.8
52.5°	1413.2	1232.6	835.2	552.5	405.9	337.9	318.8	325.1	333.6	333.6	333.6
55°	1530.1	1311.2	852.2	544.0	397.4	333.6	316.6	325.1	331.5	331.5	331.5
57.5°	1623.6	1375.0	854.3	531.3	388.9	329.4	314.5	323.0	329.4	327.3	327.3
60°	1704.4	1419.6	847.9	514.3	378.3	323.0	312.4	320.9	327.3	323.0	323.0
62.5°	1757.5	1438.7	828.8	495.2	367.7	318.8	310.3	318.8	325.1	320.9	320.9
65°	1759.6	1419.6	792.7	473.9	354.9	312.4	306.0	316.6	323.0	316.6	316.6
67.5°	1710.7	1362.2	745.9	448.4	344.3	306.0	301.8	312.4	318.8	312.4	312.4
70°	1606.6	1266.6	688.5	422.9	329.4	299.6	297.5	308.1	312.4	306.0	303.9
72.5°	1455.7	1139.1	624.8	393.2	314.5	289.0	289.0	299.6	303.9	297.5	295.4
75°	1260.2	992.4	554.7	361.3	297.5	278.4	280.5	289.0	293.3	286.9	282.6
77.5°	1060.5	843.7	486.7	333.6	280.5	265.6	267.8	278.4	280.5	274.1	269.9
80°	860.7	686.4	418.7	301.8	261.4	252.9	255.0	261.4	263.5	257.1	252.9
82.5°	690.7	558.9	354.9	272.0	242.3	235.9	240.1	244.4	244.4	238.0	233.8
85°	544.0	444.2	301.8	240.1	221.0	218.9	223.1	225.3	223.1	216.8	212.5
87.5°	420.8	352.8	252.9	210.4	199.8	201.9	204.0	204.0	201.9	197.6	191.3
90°	327.3	280.5	212.5	184.9	180.6	182.8	184.9	184.9	180.6	174.3	170.0
92.5°	259.3	227.4	178.5	161.5	161.5	165.8	165.8	165.8	159.4	153.0	150.9
95°	201.9	180.6	150.9	142.4	142.4	146.6	148.8	146.6	140.3	133.9	131.8
97.5°	161.5	146.6	129.6	123.3	127.5	131.8	131.8	127.5	121.1	116.9	114.8
100°	129.6	119.0	108.4	108.4	112.6	116.9	116.9	112.6	106.3	97.8	97.8
102.5°	104.1	99.9	93.5	95.6	97.8	102.0	102.0	97.8	89.3	82.9	82.9
105°	85.0	82.9	80.8	82.9	87.1	89.3	89.3	85.0	76.5	70.1	70.1
107.5°	70.1	68.0	68.0	72.3	76.5	78.6	78.6	72.3	65.9	59.5	61.6
110°	59.5	57.4	57.4	61.6	65.9	68.0	68.0	63.8	55.3	51.0	53.1

REPORT NUMBER: P695628  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.9	48.9	51.0	55.3	59.5	61.6	59.5	53.1	46.8	44.6	44.6
115°	42.5	42.5	44.6	48.9	51.0	53.1	51.0	46.8	40.4	38.3	38.3
117.5°	36.1	36.1	38.3	42.5	44.6	46.8	44.6	40.4	34.0	34.0	34.0
120°	31.9	31.9	34.0	38.3	40.4	40.4	38.3	34.0	29.8	29.8	29.8
122.5°	29.8	29.8	29.8	31.9	34.0	36.1	34.0	29.8	25.5	25.5	25.5
125°	25.5	25.5	27.6	29.8	29.8	29.8	27.6	25.5	23.4	23.4	23.4
127.5°	23.4	23.4	23.4	25.5	27.6	25.5	23.4	21.3	19.1	21.3	21.3
130°	21.3	21.3	21.3	21.3	23.4	23.4	21.3	19.1	17.0	17.0	17.0
132.5°	19.1	19.1	19.1	19.1	19.1	19.1	17.0	14.9	14.9	17.0	17.0
135°	17.0	17.0	17.0	17.0	17.0	17.0	14.9	12.8	12.8	14.9	14.9
137.5°	14.9	14.9	14.9	12.8	14.9	12.8	12.8	12.8	12.8	12.8	12.8
140°	12.8	12.8	12.8	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
142.5°	10.6	10.6	10.6	8.5	8.5	8.5	8.5	8.5	8.5	10.6	10.6
145°	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	8.5	8.5	8.5
147.5°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	6.4	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	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)