

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: P695618

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
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-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5917 lumens
Efficiency: N/A
Efficacy: 95.4 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: B2 - U3 - G3

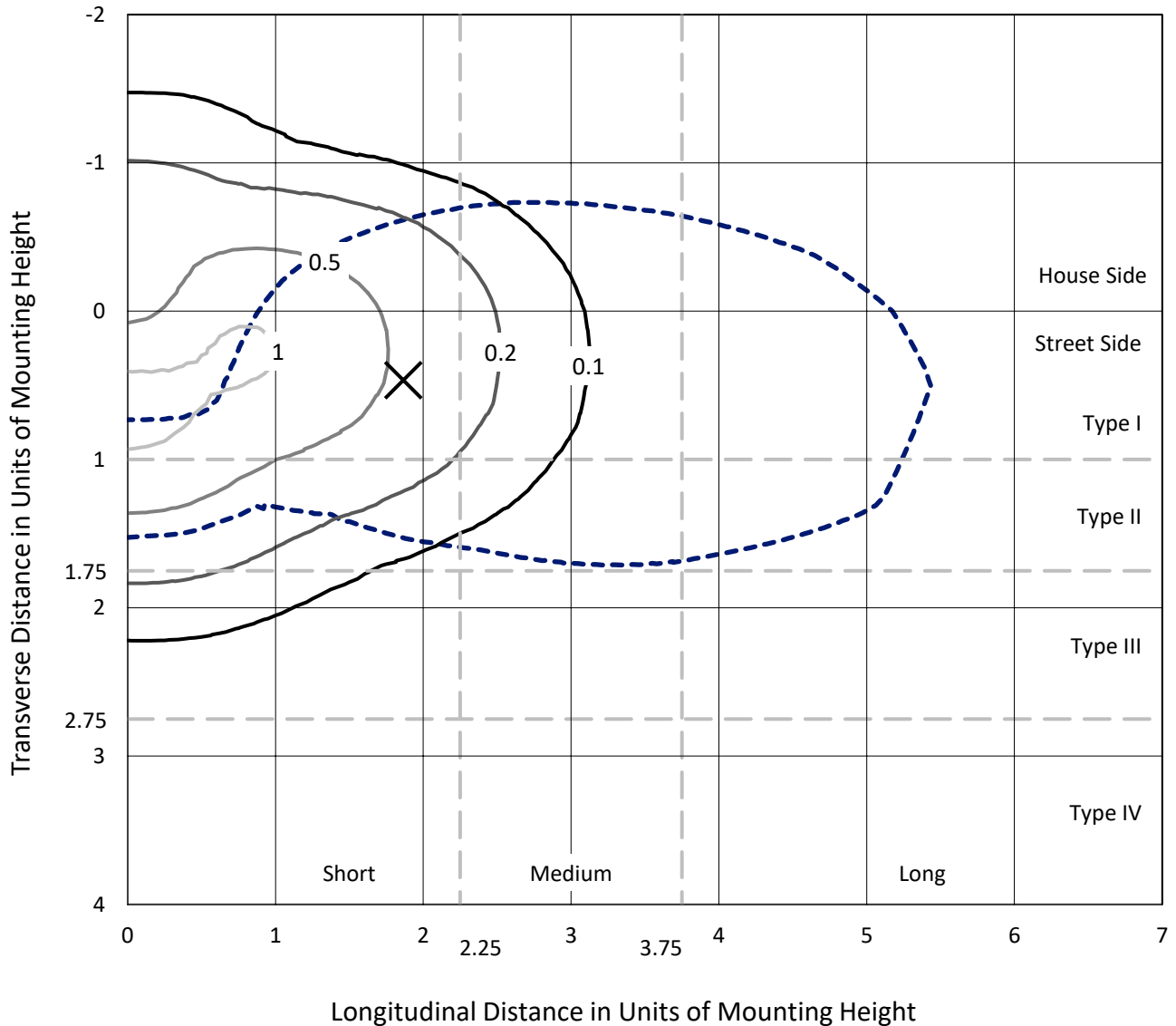
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

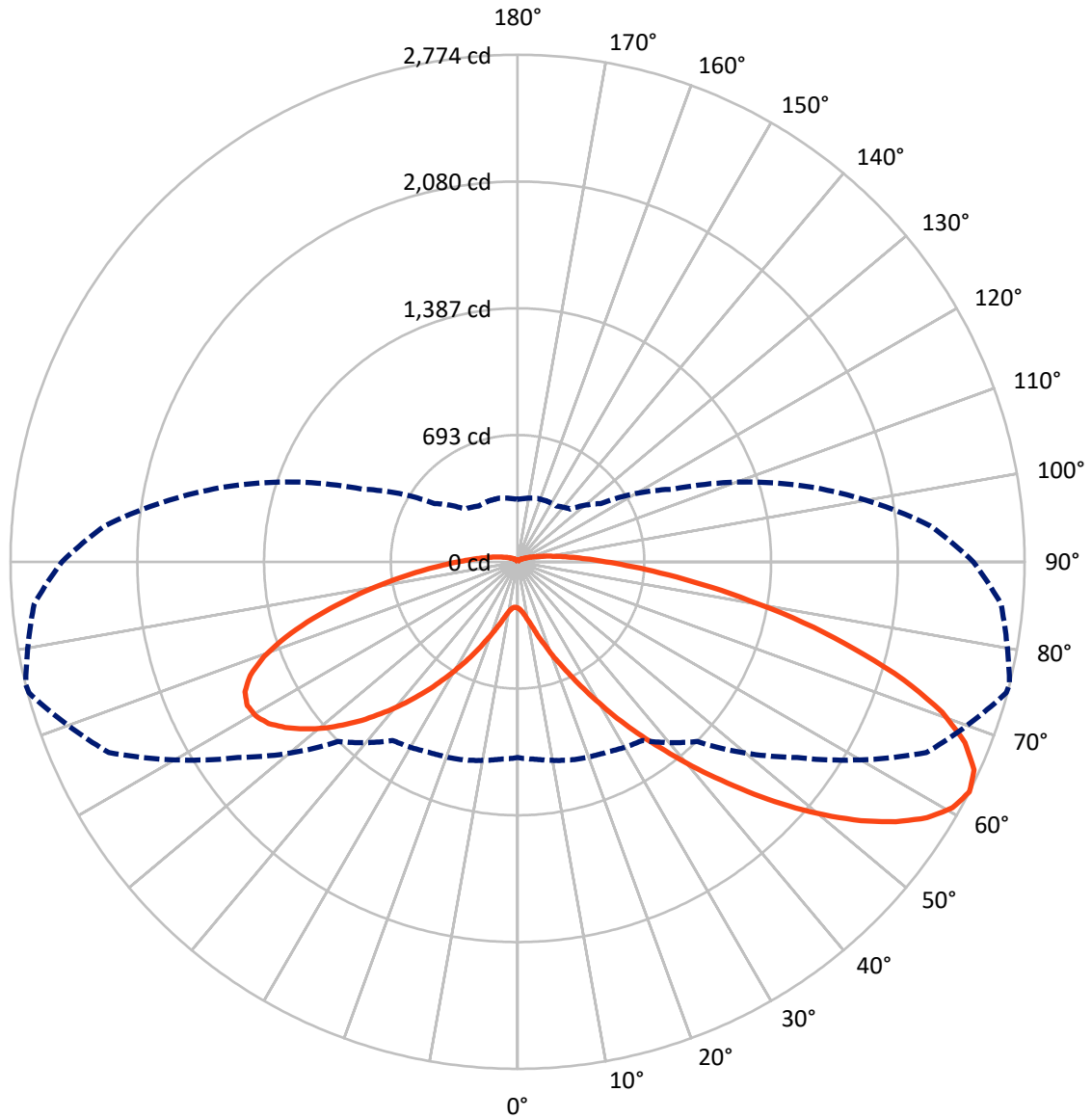
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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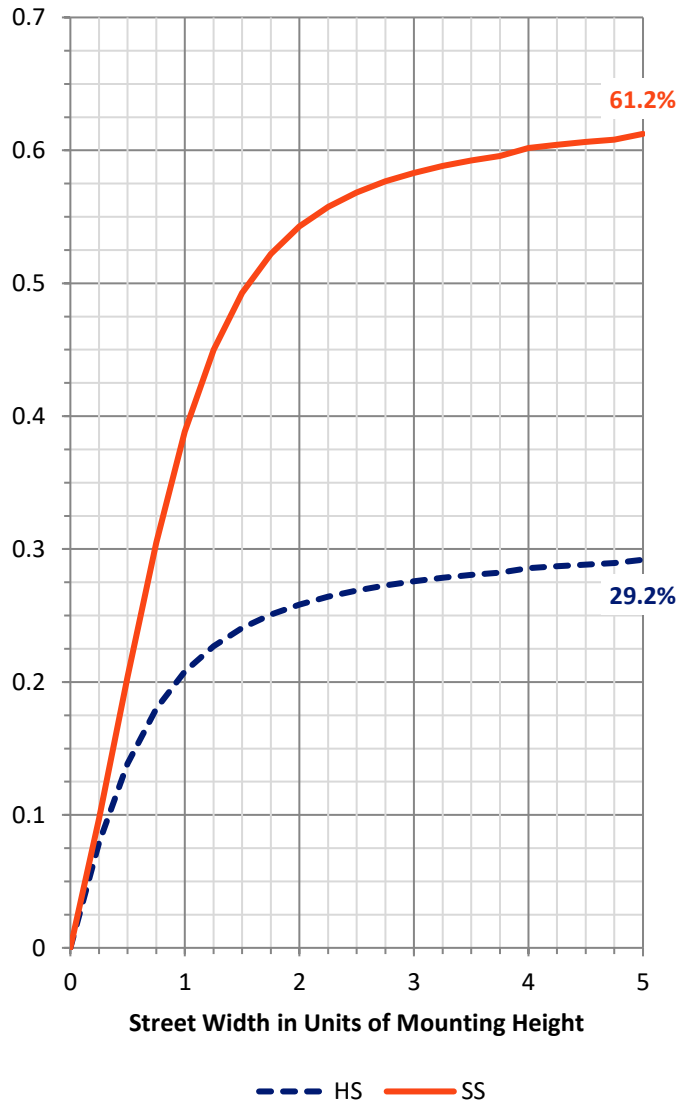
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.1	176.8	1976.9
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	3723.7	216.5	3940.1
	% Fixture	62.9	3.7	66.6
Total	Lumens	5523.7	393.3	5917.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	0.4
10°-20°	108.8	1.8
20°-30°	278.0	4.7
30°-40°	555.6	9.4
40°-50°	897.8	15.2
50°-60°	1174.3	19.8
60°-70°	1191.3	20.1
70°-80°	856.6	14.5
80°-90°	434.9	7.4
90°-100°	196.7	3.3
100°-110°	96.6	1.6
110°-120°	51.6	0.9
120°-130°	28.5	0.5
130°-140°	14.3	0.2
140°-150°	5.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5523.7	93.4
0°-180°	5917.0	100.0

Coefficient of Utilization

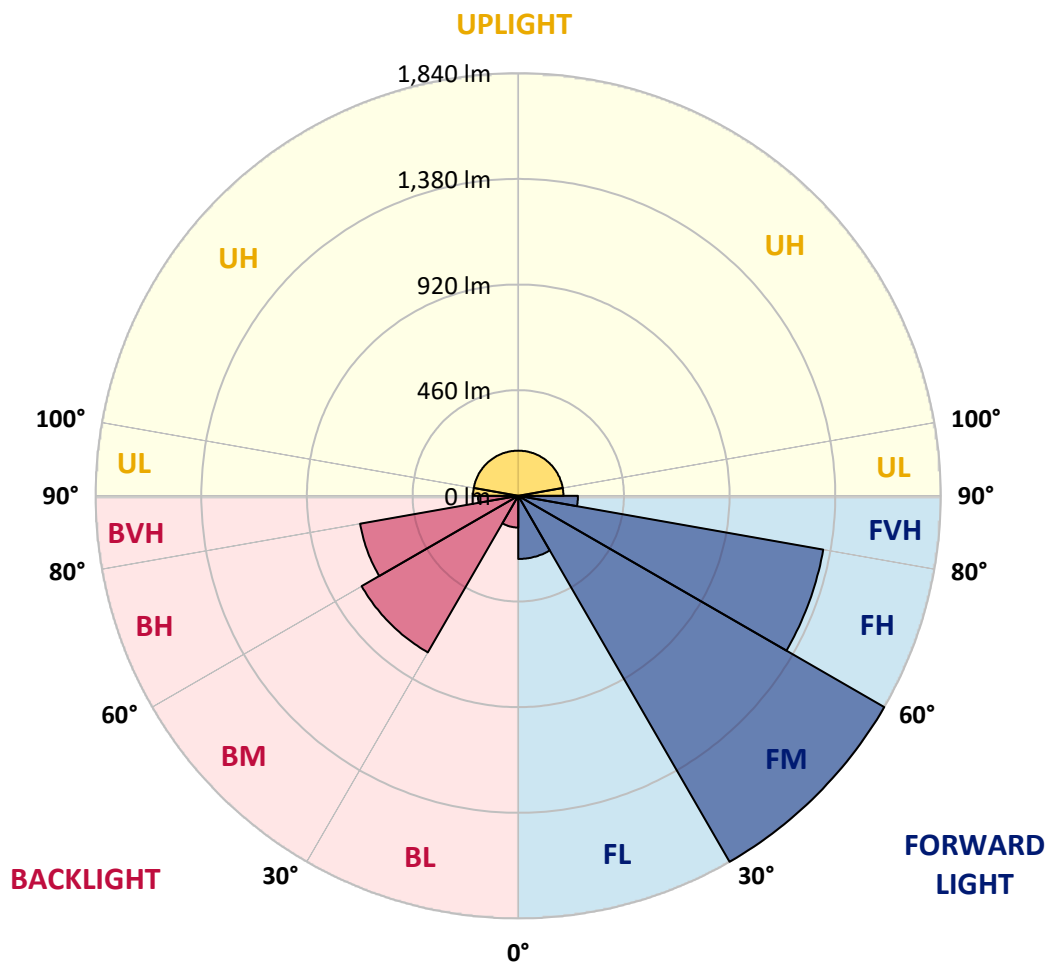


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.1	4.6			
FM (30°-60°)	1840.3	31.1			
FH (60°-80°)	1348.5	22.8			G1/1800
FVH (80°-90°)	259.8	4.4			G3/500
BL (0°-30°)	138.2	2.3	B1/500		
BM (30°-60°)	787.4	13.3	B1/1000		
BH (60°-80°)	699.3	11.8	B2/1000		G2/1000
BVH (80°-90°)	175.2	3.0			G2/225
UL (90°-100°)	196.7	3.3		U3/500	
UH (100°-180°)	196.6	3.3		U3/500	

BUG Rating: B2-U3-G3
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9
2.5°	282.7	280.6	280.6	278.4	276.3	274.2	269.9	265.7	261.4	261.4	257.2
5°	320.9	318.8	318.8	314.6	310.3	301.8	295.4	286.9	278.4	276.3	267.8
7.5°	363.5	365.6	363.5	357.1	350.7	340.1	327.3	314.6	299.7	297.6	284.8
10°	416.6	418.7	412.3	403.8	397.5	386.8	367.7	350.7	331.6	329.4	312.4
12.5°	480.4	476.1	476.1	465.5	452.7	433.6	412.3	393.2	369.8	365.6	346.5
15°	544.1	552.6	546.2	531.4	512.2	493.1	471.9	448.5	425.1	420.8	393.2
17.5°	618.5	629.1	620.6	603.6	584.5	559.0	539.9	510.1	482.5	476.1	444.2
20°	712.0	712.0	701.4	680.1	658.9	639.8	612.1	580.3	548.4	546.2	503.7
22.5°	805.6	801.3	790.7	767.3	741.8	720.5	688.7	658.9	627.0	616.4	580.3
25°	909.7	905.4	886.3	854.4	833.2	803.4	777.9	748.2	714.2	703.5	663.1
27.5°	1016.0	1011.7	988.3	958.6	924.6	894.8	869.3	845.9	803.4	803.4	756.7
30°	1126.5	1120.1	1092.5	1060.6	1018.1	988.3	973.5	950.1	920.3	914.0	856.6
32.5°	1230.6	1232.8	1205.1	1160.5	1115.9	1086.1	1079.7	1073.4	1041.5	1039.4	977.7
35°	1339.0	1334.8	1305.0	1260.4	1213.6	1186.0	1188.1	1200.9	1173.3	1169.0	1094.6
37.5°	1436.8	1436.8	1404.9	1349.7	1298.7	1277.4	1307.2	1341.2	1322.0	1309.3	1232.8
40°	1526.1	1519.7	1492.1	1434.7	1377.3	1375.2	1428.3	1479.3	1472.9	1468.7	1375.2
42.5°	1592.0	1583.5	1558.0	1498.5	1447.4	1458.1	1545.2	1643.0	1640.9	1632.4	1532.5
45°	1628.1	1623.9	1600.5	1545.2	1496.3	1536.7	1664.2	1796.0	1819.4	1813.0	1691.9
47.5°	1634.5	1632.4	1613.2	1564.3	1528.2	1594.1	1781.1	1957.6	1993.7	1995.8	1857.7
50°	1609.0	1609.0	1596.2	1558.0	1536.7	1634.5	1872.5	2123.3	2174.4	2176.5	2025.6
52.5°	1547.3	1547.3	1547.3	1521.8	1517.6	1647.2	1949.1	2255.1	2355.0	2352.9	2199.9
55°	1460.2	1458.1	1466.6	1462.3	1468.7	1626.0	1985.2	2378.4	2516.6	2510.2	2359.3
57.5°	1351.8	1345.4	1366.7	1375.2	1394.3	1575.0	1991.6	2461.3	2646.2	2642.0	2488.9
60°	1211.5	1215.8	1247.6	1262.5	1296.5	1494.2	1949.1	2491.0	2733.3	2733.3	2597.3
62.5°	1071.2	1084.0	1122.2	1149.9	1192.4	1390.1	1866.2	2467.7	2767.4	2773.7	2654.7
65°	935.2	952.2	994.7	1024.5	1077.6	1262.5	1730.1	2376.3	2733.3	2744.0	2659.0
67.5°	811.9	816.2	862.9	896.9	952.2	1126.5	1575.0	2221.1	2620.7	2639.8	2590.9
70°	692.9	699.3	746.0	784.3	833.2	984.1	1390.1	1991.6	2431.5	2463.4	2440.0
72.5°	578.1	588.8	629.1	673.8	720.5	852.3	1192.4	1759.9	2176.5	2210.5	2223.2
75°	486.7	497.4	537.7	580.3	622.8	729.0	1016.0	1490.0	1883.2	1902.3	1963.9
77.5°	403.8	416.6	450.6	493.1	531.4	620.6	841.7	1228.5	1583.5	1598.4	1651.5
80°	337.9	348.6	376.2	416.6	446.3	520.7	688.7	994.7	1268.9	1288.0	1334.8
82.5°	280.6	284.8	314.6	348.6	380.5	440.0	563.2	790.7	994.7	1016.0	1079.7
85°	235.9	238.1	263.6	291.2	320.9	365.6	459.1	618.5	767.3	782.2	828.9
87.5°	191.3	195.5	221.0	246.6	269.9	308.2	372.0	486.7	590.9	597.3	629.1
90°	159.4	163.7	184.9	208.3	231.7	257.2	306.1	376.2	450.6	454.8	474.0
92.5°	133.9	136.0	155.2	178.5	199.8	221.0	250.8	297.6	350.7	355.0	363.5
95°	112.6	114.8	131.8	150.9	170.0	187.0	210.4	240.2	272.1	274.2	282.7
97.5°	97.8	97.8	112.6	129.7	146.7	159.4	174.3	195.5	214.7	212.5	214.7
100°	82.9	82.9	95.6	112.6	127.5	138.2	146.7	157.3	165.8	167.9	167.9
102.5°	72.3	72.3	82.9	99.9	112.6	121.2	127.5	129.7	133.9	133.9	131.8
105°	61.6	63.8	72.3	87.1	97.8	106.3	108.4	108.4	106.3	106.3	106.3
107.5°	55.3	55.3	63.8	76.5	87.1	93.5	95.6	91.4	87.1	85.0	85.0
110°	51.0	51.0	57.4	68.0	78.6	82.9	82.9	76.5	70.1	72.3	70.1

REPORT NUMBER: P695618
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	44.6	46.8	51.0	61.6	70.1	74.4	72.3	65.9	59.5	57.4	57.4
115°	42.5	42.5	46.8	55.3	63.8	65.9	63.8	57.4	48.9	48.9	48.9
117.5°	38.3	38.3	42.5	48.9	55.3	59.5	55.3	48.9	40.4	40.4	40.4
120°	36.1	36.1	38.3	44.6	51.0	53.1	48.9	42.5	34.0	34.0	36.1
122.5°	34.0	34.0	36.1	40.4	44.6	46.8	44.6	36.1	29.8	29.8	31.9
125°	31.9	31.9	31.9	36.1	40.4	42.5	38.3	31.9	25.5	25.5	27.6
127.5°	29.8	29.8	29.8	31.9	36.1	36.1	34.0	27.6	23.4	23.4	25.5
130°	27.6	27.6	27.6	29.8	31.9	31.9	27.6	23.4	21.3	21.3	21.3
132.5°	25.5	25.5	25.5	25.5	27.6	27.6	23.4	19.1	17.0	19.1	19.1
135°	23.4	23.4	23.4	23.4	23.4	23.4	19.1	14.9	14.9	14.9	17.0
137.5°	21.3	21.3	21.3	19.1	19.1	19.1	14.9	12.8	12.8	12.8	14.9
140°	19.1	19.1	19.1	17.0	14.9	14.9	10.6	10.6	10.6	10.6	12.8
142.5°	17.0	17.0	17.0	14.9	12.8	10.6	8.5	8.5	8.5	8.5	10.6
145°	14.9	14.9	12.8	12.8	8.5	6.4	6.4	6.4	6.4	8.5	8.5
147.5°	12.8	12.8	10.6	8.5	6.4	4.3	2.1	4.3	4.3	4.3	6.4
150°	8.5	8.5	8.5	6.4	4.3	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

REPORT NUMBER: P695618
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9
2.5°	255.1	252.9	248.7	244.4	240.2	238.1	235.9	233.8	233.8	233.8	233.8
5°	263.6	257.2	248.7	240.2	231.7	225.3	218.9	214.7	212.5	210.4	210.4
7.5°	278.4	269.9	255.1	242.3	229.6	216.8	208.3	201.9	197.7	195.5	195.5
10°	299.7	289.1	269.9	250.8	231.7	216.8	204.0	195.5	189.2	187.0	184.9
12.5°	333.7	320.9	293.3	265.7	242.3	221.0	206.2	193.4	187.0	184.9	184.9
15°	378.3	361.3	325.2	291.2	259.3	231.7	214.7	206.2	201.9	197.7	197.7
17.5°	425.1	406.0	365.6	323.1	284.8	252.9	233.8	225.3	216.8	214.7	214.7
20°	486.7	461.2	410.2	359.2	314.6	282.7	259.3	242.3	233.8	231.7	231.7
22.5°	552.6	520.7	463.4	399.6	350.7	310.3	282.7	261.4	252.9	248.7	248.7
25°	627.0	597.3	522.9	446.3	391.1	342.2	306.1	282.7	272.1	269.9	269.9
27.5°	716.3	680.1	588.8	501.6	429.3	369.8	329.4	301.8	291.2	289.1	289.1
30°	820.4	769.4	661.0	561.1	469.7	395.3	346.5	320.9	308.2	308.2	308.2
32.5°	918.2	865.1	739.7	620.6	505.9	416.6	363.5	337.9	325.2	325.2	325.2
35°	1037.2	975.6	824.7	678.0	537.7	435.7	376.2	350.7	340.1	337.9	337.9
37.5°	1169.0	1090.4	909.7	731.2	567.5	448.5	386.8	361.3	350.7	348.6	348.6
40°	1300.8	1209.4	1003.2	786.4	588.8	457.0	393.2	369.8	359.2	355.0	355.0
42.5°	1441.1	1336.9	1092.5	837.4	607.9	461.2	395.3	376.2	365.6	359.2	359.2
45°	1592.0	1468.7	1188.1	877.8	620.6	463.4	397.5	378.3	369.8	361.3	361.3
47.5°	1753.5	1609.0	1275.3	916.1	624.9	461.2	397.5	380.5	369.8	361.3	359.2
50°	1900.2	1745.0	1364.5	945.8	624.9	457.0	397.5	382.6	372.0	359.2	359.2
52.5°	2055.3	1878.9	1441.1	965.0	620.6	450.6	395.3	380.5	372.0	357.1	357.1
55°	2208.4	2006.4	1511.2	975.6	610.0	442.1	391.1	380.5	369.8	355.0	352.8
57.5°	2331.6	2123.3	1568.6	975.6	595.1	431.5	384.7	378.3	367.7	352.8	350.7
60°	2431.5	2212.6	1600.5	962.8	576.0	420.8	378.3	374.1	365.6	348.6	346.5
62.5°	2493.2	2265.7	1609.0	939.5	554.7	408.1	372.0	367.7	361.3	346.5	342.2
65°	2503.8	2272.1	1583.5	899.1	527.1	391.1	361.3	361.3	355.0	340.1	337.9
67.5°	2442.2	2210.5	1519.7	843.8	497.4	374.1	348.6	350.7	346.5	333.7	329.4
70°	2310.4	2091.5	1413.4	780.0	463.4	357.1	333.7	335.8	331.6	320.9	318.8
72.5°	2106.3	1895.9	1271.0	703.5	427.2	335.8	318.8	318.8	316.7	306.1	301.8
75°	1853.4	1670.6	1107.4	622.8	391.1	312.4	299.7	299.7	297.6	286.9	282.7
77.5°	1570.7	1411.3	937.3	544.1	352.8	289.1	276.3	278.4	276.3	263.6	263.6
80°	1268.9	1158.4	782.2	467.6	316.7	263.6	252.9	255.1	250.8	238.1	233.8
82.5°	1018.1	926.7	633.4	399.6	280.6	240.2	229.6	229.6	223.2	212.5	210.4
85°	777.9	712.0	512.2	335.8	248.7	214.7	206.2	204.0	195.5	184.9	182.8
87.5°	605.8	550.5	410.2	284.8	216.8	191.3	182.8	178.5	170.0	159.4	157.3
90°	457.0	423.0	327.3	238.1	191.3	170.0	161.5	155.2	146.7	136.0	131.8
92.5°	355.0	333.7	265.7	204.0	165.8	150.9	142.4	136.0	125.4	116.9	112.6
95°	274.2	261.4	218.9	174.3	146.7	131.8	125.4	119.0	110.5	99.9	95.6
97.5°	216.8	206.2	178.5	148.8	129.7	119.0	110.5	104.1	93.5	85.0	82.9
100°	170.0	163.7	148.8	127.5	114.8	104.1	97.8	91.4	80.8	72.3	72.3
102.5°	133.9	131.8	123.3	110.5	102.0	93.5	87.1	80.8	72.3	63.8	61.6
105°	108.4	108.4	102.0	95.6	89.3	82.9	78.6	72.3	61.6	55.3	53.1
107.5°	87.1	89.3	87.1	85.0	78.6	74.4	70.1	61.6	53.1	46.8	46.8
110°	72.3	72.3	74.4	72.3	70.1	65.9	61.6	55.3	46.8	42.5	42.5

REPORT NUMBER: P695618
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	59.5	61.6	63.8	63.8	61.6	59.5	55.3	48.9	40.4	36.1	36.1
115°	51.0	51.0	55.3	55.3	55.3	53.1	48.9	42.5	36.1	31.9	34.0
117.5°	42.5	44.6	46.8	48.9	48.9	46.8	42.5	36.1	29.8	29.8	29.8
120°	38.3	38.3	40.4	42.5	42.5	42.5	38.3	31.9	27.6	25.5	25.5
122.5°	34.0	34.0	36.1	38.3	38.3	36.1	34.0	27.6	23.4	23.4	23.4
125°	29.8	29.8	31.9	34.0	34.0	31.9	27.6	23.4	21.3	21.3	21.3
127.5°	25.5	27.6	27.6	29.8	29.8	27.6	25.5	21.3	17.0	19.1	19.1
130°	23.4	23.4	25.5	25.5	25.5	23.4	21.3	17.0	17.0	17.0	17.0
132.5°	21.3	21.3	21.3	21.3	21.3	21.3	17.0	14.9	14.9	14.9	14.9
135°	17.0	19.1	19.1	19.1	19.1	17.0	14.9	12.8	12.8	12.8	14.9
137.5°	14.9	14.9	17.0	14.9	14.9	14.9	10.6	10.6	10.6	12.8	12.8
140°	12.8	12.8	12.8	12.8	12.8	10.6	8.5	8.5	10.6	10.6	10.6
142.5°	10.6	10.6	10.6	10.6	8.5	8.5	6.4	6.4	8.5	8.5	10.6
145°	8.5	8.5	8.5	8.5	6.4	6.4	4.3	6.4	6.4	8.5	8.5
147.5°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	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)