

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: P695764

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695764
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-PA16-60-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 4731 lumens
Efficiency: N/A
Efficacy: 76.3 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

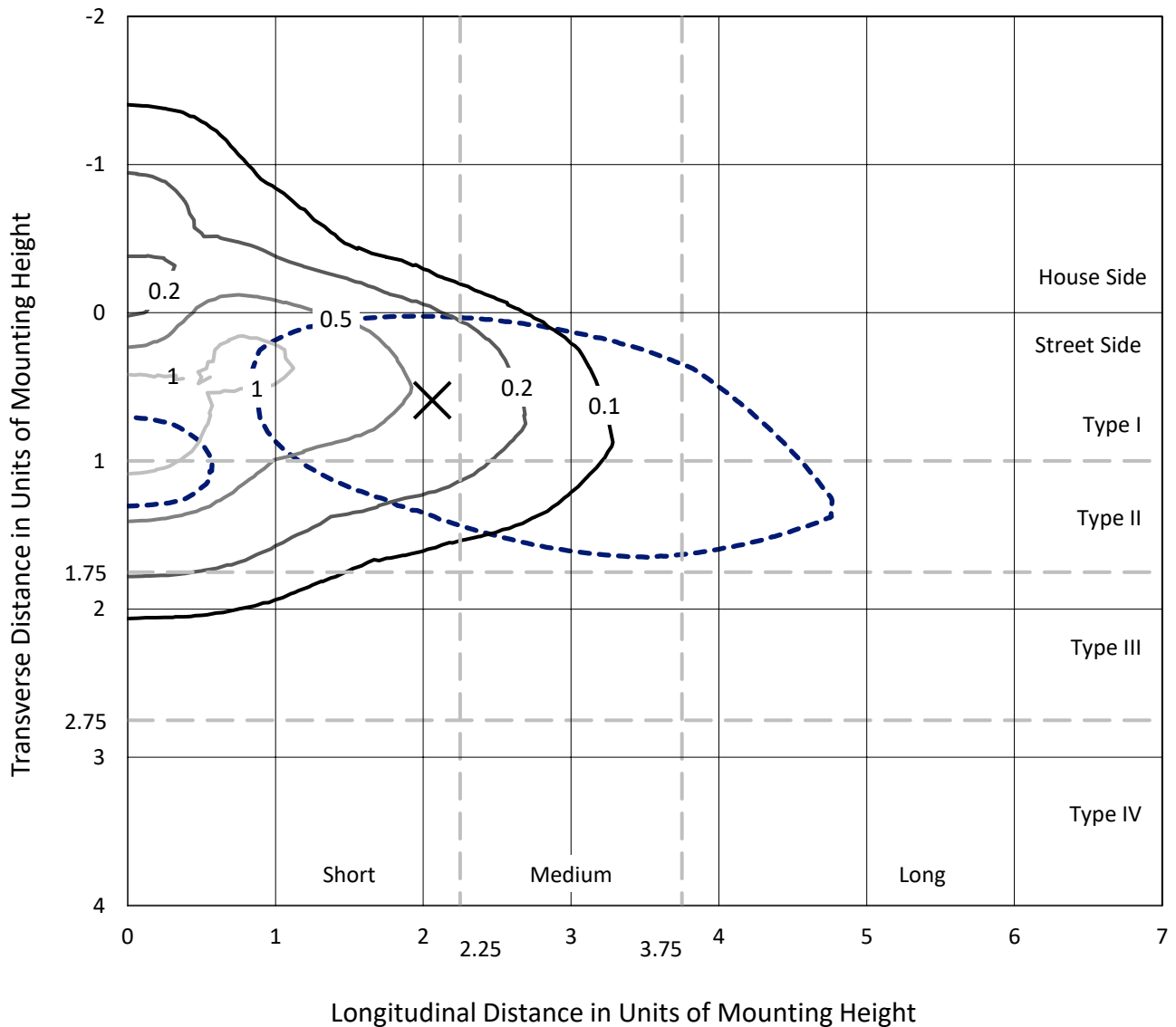
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695764
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

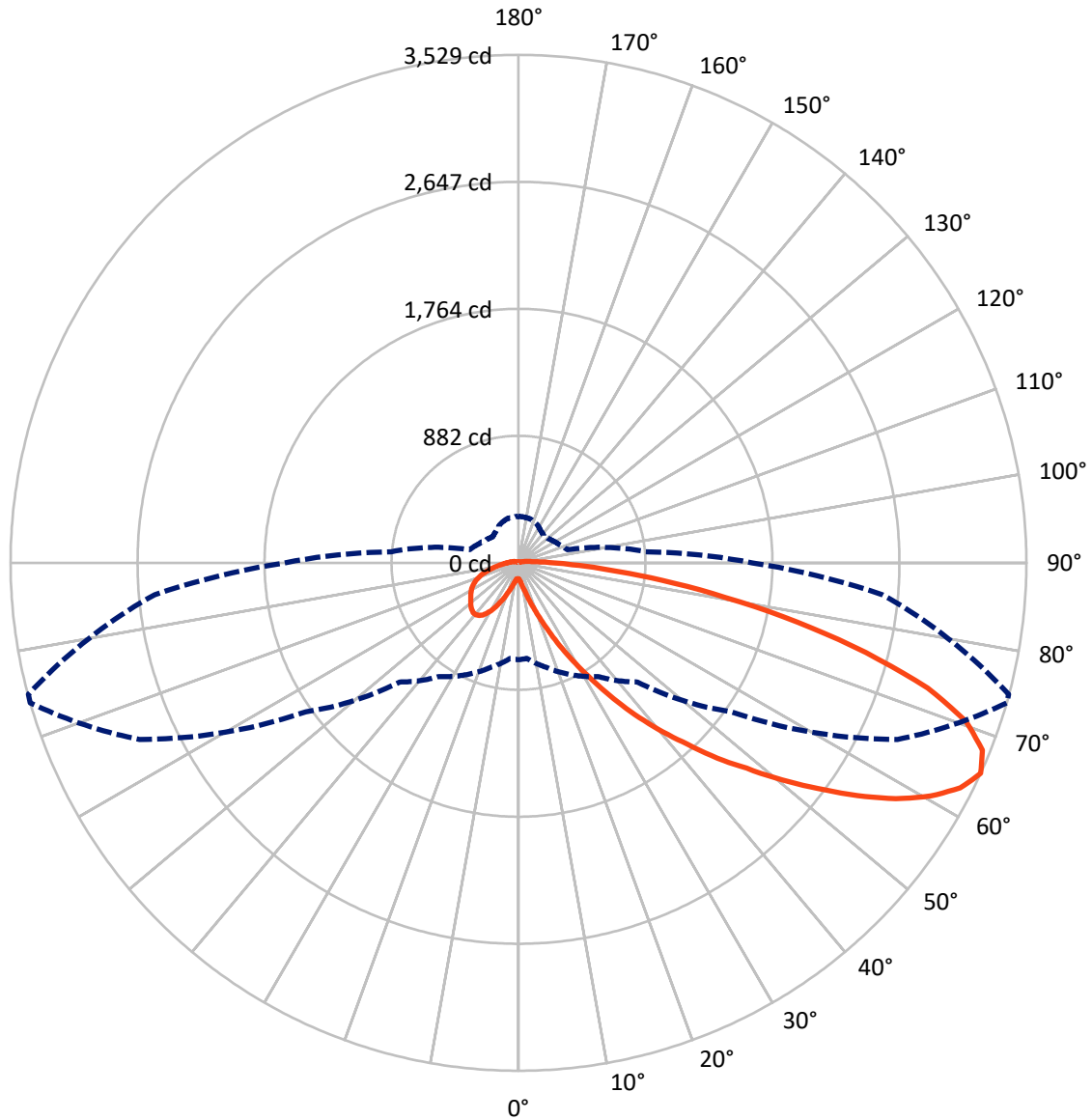
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

REPORT NUMBER: P695764
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

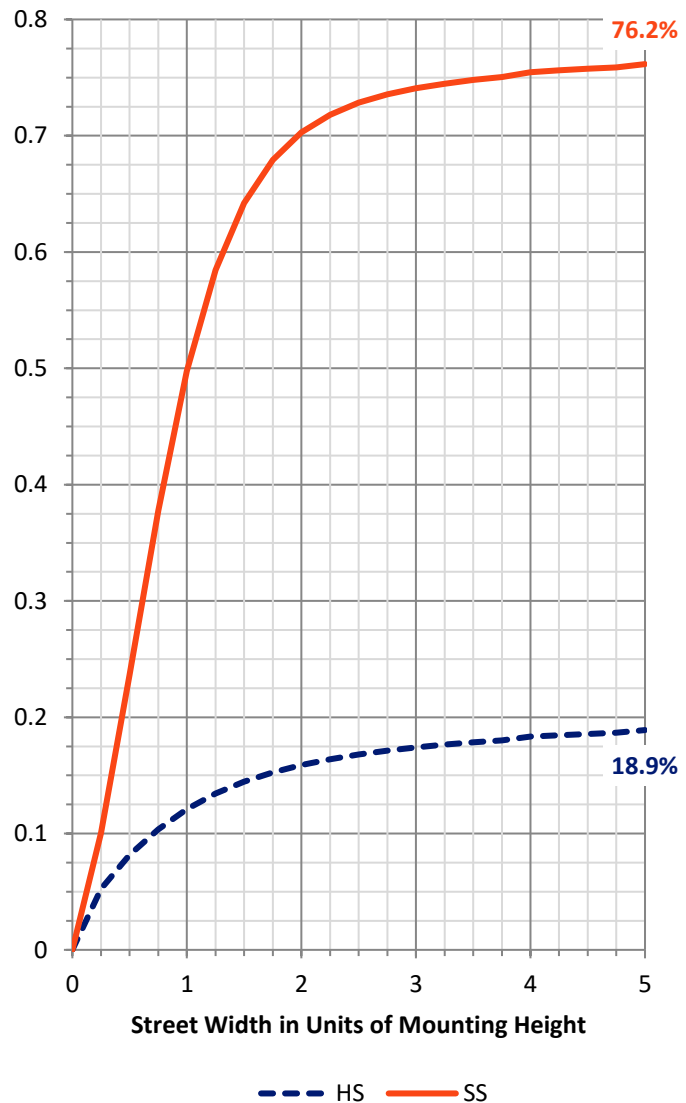
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.7	76.6	1015.3
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	3647.2	68.5	3715.7
	% Fixture	77.1	1.4	78.5
Total	Lumens	4585.9	145.1	4731.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.3
10°-20°	68.2	1.4
20°-30°	226.7	4.8
30°-40°	519.7	11.0
40°-50°	831.7	17.6
50°-60°	1032.4	21.8
60°-70°	1001.9	21.2
70°-80°	653.5	13.8
80°-90°	238.9	5.1
90°-100°	71.3	1.5
100°-110°	33.0	0.7
110°-120°	18.3	0.4
120°-130°	11.4	0.2
130°-140°	7.2	0.2
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4585.9	96.9
0°-180°	4731.0	100.0

Coefficient of Utilization

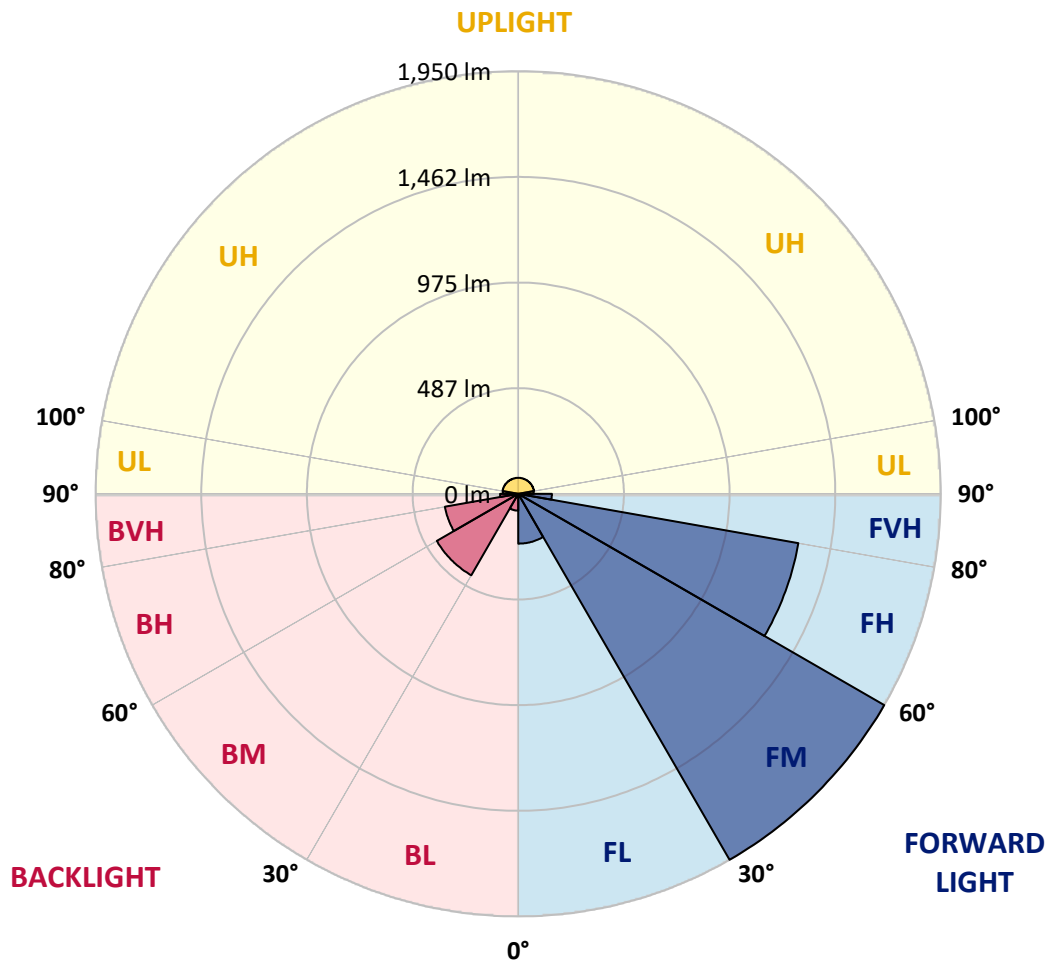


REPORT NUMBER: P695764
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.0	4.9			
FM (30°-60°)	1949.9	41.2			
FH (60°-80°)	1312.2	27.7			G1/1800
FVH (80°-90°)	155.1	3.3			G2/225
BL (0°-30°)	77.8	1.6	B0/110		
BM (30°-60°)	433.9	9.2	B1/1000		
BH (60°-80°)	343.2	7.3	B1/500		G1/500
BVH (80°-90°)	83.8	1.8			G1/100
UL (90°-100°)	71.3	1.5		U3/500	
UH (100°-180°)	73.8	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



REPORT NUMBER: P695764
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	128.0	129.8	129.8	128.0	126.3	126.3	122.8	119.3	117.5	117.5	115.8
5°	156.1	157.8	157.8	154.3	149.1	147.3	140.3	135.0	129.8	129.8	122.8
7.5°	196.4	198.2	194.7	191.2	184.2	177.1	168.4	157.8	147.3	145.6	136.8
10°	243.8	249.1	245.5	236.8	226.3	217.5	203.5	185.9	175.4	171.9	156.1
12.5°	317.5	313.9	305.2	296.4	284.1	266.6	247.3	226.3	205.2	207.0	185.9
15°	392.9	399.9	387.6	371.8	347.3	328.0	301.7	278.9	256.1	252.6	224.5
17.5°	503.4	501.6	487.6	456.0	419.2	399.9	371.8	343.8	317.5	308.7	271.9
20°	633.2	631.4	603.3	563.0	527.9	489.3	450.7	420.9	389.4	382.3	335.0
22.5°	787.5	780.5	750.7	692.8	633.2	585.8	545.5	522.7	480.6	473.5	408.7
25°	966.4	950.6	917.3	840.1	748.9	694.5	657.7	631.4	591.1	582.3	498.1
27.5°	1164.6	1154.1	1092.7	990.9	882.2	798.0	771.7	754.2	720.8	710.3	598.1
30°	1350.5	1354.0	1287.3	1159.3	1020.8	919.0	899.7	901.5	857.6	848.9	715.6
32.5°	1571.5	1557.4	1471.5	1324.2	1150.5	1045.3	1027.8	1052.3	1015.5	1008.5	843.6
35°	1746.9	1757.4	1666.2	1483.8	1282.1	1161.1	1168.1	1208.4	1187.4	1176.9	957.6
37.5°	1915.2	1906.5	1799.5	1618.8	1396.1	1269.8	1296.1	1385.6	1364.5	1352.2	1092.7
40°	2027.5	2017.0	1924.0	1729.3	1499.6	1369.8	1420.6	1553.9	1545.2	1539.9	1208.4
42.5°	2080.1	2066.1	1990.7	1806.5	1575.0	1448.7	1548.7	1725.8	1724.1	1718.8	1341.7
45°	2067.8	2059.1	2001.2	1852.1	1624.1	1522.4	1662.7	1904.7	1936.3	1911.7	1464.5
47.5°	2013.5	2004.7	1964.3	1852.1	1650.4	1568.0	1764.4	2092.4	2132.7	2109.9	1601.3
50°	1904.7	1901.2	1890.7	1808.3	1646.9	1604.8	1862.6	2262.5	2371.2	2348.4	1757.4
52.5°	1752.1	1750.4	1767.9	1729.3	1613.6	1610.1	1939.8	2458.9	2604.5	2580.0	1910.0
55°	1573.2	1573.2	1603.0	1606.6	1548.7	1590.8	1999.4	2616.8	2855.3	2820.2	2076.6
57.5°	1345.2	1352.2	1418.9	1462.7	1441.7	1534.6	2020.5	2767.6	3092.1	3069.3	2248.5
60°	1119.0	1122.5	1199.7	1273.3	1310.1	1455.7	2001.2	2871.1	3290.3	3281.5	2387.0
62.5°	882.2	885.7	966.4	1073.4	1145.3	1325.9	1929.3	2918.5	3444.6	3439.4	2488.8
65°	673.5	666.5	752.4	857.6	964.6	1171.6	1804.7	2904.4	3528.8	3525.3	2537.9
67.5°	484.1	498.1	563.0	664.7	773.5	1006.7	1632.9	2767.6	3476.2	3479.7	2485.3
70°	350.8	373.6	419.2	496.3	608.6	827.8	1425.9	2539.6	3297.3	3318.3	2336.2
72.5°	270.1	271.9	308.7	370.1	459.5	656.0	1180.4	2229.2	2972.8	2979.8	2078.4
75°	210.5	215.7	240.3	284.1	352.5	508.6	957.6	1845.1	2492.3	2532.6	1762.7
77.5°	171.9	173.6	192.9	219.2	270.1	384.1	715.6	1455.7	1981.9	1985.4	1375.0
80°	135.0	142.1	157.8	175.4	210.5	287.6	526.2	1066.4	1457.5	1434.7	973.4
82.5°	103.5	108.7	121.0	140.3	159.6	215.7	377.1	752.4	1001.5	983.9	666.5
85°	77.2	80.7	93.0	108.7	126.3	164.9	263.1	485.8	620.9	601.6	405.1
87.5°	54.4	56.1	66.6	80.7	96.5	124.5	182.4	298.2	373.6	366.6	250.8
90°	36.8	38.6	47.4	59.6	75.4	96.5	131.5	185.9	217.5	217.5	159.6
92.5°	26.3	28.1	35.1	45.6	59.6	77.2	96.5	121.0	133.3	131.5	108.7
95°	21.0	21.0	28.1	36.8	49.1	63.1	73.7	82.4	89.4	89.4	82.4
97.5°	17.5	17.5	24.6	31.6	42.1	52.6	59.6	61.4	64.9	64.9	61.4
100°	15.8	15.8	21.0	28.1	35.1	43.8	49.1	47.4	49.1	50.9	47.4
102.5°	14.0	14.0	19.3	24.6	31.6	38.6	40.3	38.6	38.6	38.6	36.8
105°	12.3	12.3	17.5	22.8	28.1	33.3	35.1	31.6	29.8	29.8	29.8
107.5°	10.5	10.5	15.8	19.3	24.6	29.8	29.8	28.1	24.6	24.6	22.8
110°	10.5	10.5	14.0	17.5	22.8	26.3	26.3	22.8	19.3	19.3	19.3

REPORT NUMBER: P695764
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	8.8	8.8	12.3	17.5	21.0	22.8	22.8	19.3	17.5	15.8	15.8
115°	8.8	8.8	12.3	15.8	19.3	21.0	21.0	17.5	14.0	14.0	14.0
117.5°	8.8	8.8	10.5	14.0	17.5	19.3	17.5	15.8	12.3	12.3	12.3
120°	8.8	8.8	10.5	12.3	15.8	17.5	17.5	14.0	10.5	10.5	12.3
122.5°	8.8	8.8	10.5	12.3	14.0	15.8	15.8	12.3	10.5	10.5	10.5
125°	8.8	8.8	10.5	12.3	14.0	15.8	14.0	12.3	8.8	8.8	10.5
127.5°	8.8	8.8	10.5	10.5	12.3	14.0	12.3	10.5	8.8	8.8	10.5
130°	8.8	8.8	10.5	10.5	12.3	12.3	12.3	8.8	8.8	8.8	8.8
132.5°	10.5	10.5	10.5	10.5	10.5	12.3	10.5	8.8	7.0	7.0	8.8
135°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	8.8	7.0	7.0	8.8
137.5°	8.8	10.5	8.8	8.8	8.8	10.5	8.8	7.0	7.0	7.0	7.0
140°	8.8	8.8	8.8	8.8	8.8	8.8	7.0	5.3	7.0	7.0	7.0
142.5°	8.8	8.8	8.8	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0
145°	7.0	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3
147.5°	7.0	7.0	7.0	5.3	5.3	5.3	3.5	3.5	3.5	3.5	5.3
150°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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: P695764

CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	114.0	112.2	110.5	108.7	105.2	103.5	103.5	101.7	101.7	101.7	101.7
5°	119.3	117.5	112.2	107.0	101.7	98.2	94.7	94.7	93.0	91.2	91.2
7.5°	131.5	126.3	117.5	108.7	103.5	96.5	93.0	89.4	87.7	87.7	87.7
10°	149.1	142.1	128.0	115.8	107.0	98.2	93.0	89.4	87.7	85.9	85.9
12.5°	173.6	164.9	143.8	128.0	112.2	103.5	96.5	93.0	91.2	91.2	91.2
15°	208.7	194.7	168.4	142.1	124.5	108.7	105.2	105.2	107.0	107.0	107.0
17.5°	254.3	233.3	192.9	159.6	136.8	122.8	117.5	119.3	122.8	122.8	122.8
20°	303.4	278.9	224.5	182.4	152.6	140.3	133.3	136.8	142.1	145.6	145.6
22.5°	371.8	336.7	263.1	207.0	171.9	156.1	152.6	156.1	164.9	168.4	168.4
25°	450.7	398.1	303.4	233.3	192.9	175.4	171.9	177.1	187.7	196.4	196.4
27.5°	533.2	466.5	347.3	259.6	212.2	191.2	189.4	198.2	212.2	221.0	222.7
30°	627.9	536.7	387.6	285.9	231.5	207.0	207.0	221.0	236.8	249.1	250.8
32.5°	720.8	610.4	422.7	308.7	249.1	221.0	222.7	240.3	261.3	271.9	275.4
35°	815.6	673.5	454.3	328.0	261.3	233.3	236.8	259.6	280.6	292.9	292.9
37.5°	906.8	731.4	470.0	338.5	271.9	242.0	249.1	275.4	296.4	306.9	308.7
40°	994.5	775.2	480.6	345.5	278.9	250.8	257.8	285.9	308.7	319.2	319.2
42.5°	1071.6	812.0	482.3	347.3	284.1	256.1	266.6	294.7	315.7	322.7	324.5
45°	1150.5	843.6	473.5	343.8	287.6	261.3	270.1	299.9	319.2	324.5	326.2
47.5°	1222.5	869.9	463.0	340.3	289.4	263.1	273.6	303.4	321.0	322.7	324.5
50°	1306.6	891.0	447.2	335.0	291.1	264.8	275.4	303.4	321.0	321.0	321.0
52.5°	1387.3	908.5	431.5	329.7	291.1	264.8	275.4	305.2	321.0	319.2	319.2
55°	1475.0	924.3	415.7	326.2	289.4	264.8	275.4	305.2	319.2	317.5	319.2
57.5°	1543.4	931.3	403.4	322.7	289.4	263.1	273.6	303.4	317.5	317.5	317.5
60°	1603.0	929.6	387.6	319.2	287.6	261.3	273.6	301.7	317.5	317.5	317.5
62.5°	1638.1	913.8	371.8	315.7	284.1	257.8	271.9	301.7	317.5	319.2	319.2
65°	1624.1	885.7	350.8	306.9	277.1	254.3	270.1	298.2	315.7	321.0	322.7
67.5°	1564.5	822.6	328.0	294.7	270.1	250.8	268.3	294.7	312.2	321.0	321.0
70°	1439.9	743.6	298.2	277.1	257.8	245.5	263.1	289.4	305.2	315.7	315.7
72.5°	1266.3	641.9	270.1	254.3	243.8	236.8	257.8	280.6	294.7	303.4	303.4
75°	1052.3	533.2	236.8	228.0	226.3	224.5	247.3	268.3	277.1	284.1	284.1
77.5°	822.6	429.7	201.7	201.7	201.7	208.7	233.3	247.3	254.3	261.3	261.3
80°	601.6	328.0	170.1	171.9	177.1	191.2	212.2	222.7	226.3	233.3	229.8
82.5°	410.4	238.5	142.1	142.1	152.6	168.4	189.4	194.7	196.4	201.7	196.4
85°	270.1	171.9	117.5	117.5	128.0	143.8	159.6	163.1	163.1	166.6	161.4
87.5°	175.4	126.3	96.5	96.5	103.5	119.3	131.5	131.5	131.5	135.0	129.8
90°	124.5	96.5	80.7	78.9	84.2	96.5	105.2	103.5	103.5	105.2	101.7
92.5°	91.2	78.9	68.4	66.6	70.2	78.9	84.2	82.4	84.2	82.4	80.7
95°	71.9	64.9	59.6	57.9	59.6	64.9	68.4	66.6	66.6	64.9	63.1
97.5°	57.9	54.4	52.6	50.9	50.9	52.6	56.1	54.4	56.1	52.6	50.9
100°	47.4	45.6	45.6	45.6	43.8	45.6	47.4	47.4	47.4	43.8	43.8
102.5°	36.8	38.6	40.3	40.3	38.6	40.3	40.3	40.3	40.3	36.8	36.8
105°	29.8	31.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	31.6	31.6
107.5°	24.6	26.3	29.8	31.6	29.8	29.8	31.6	31.6	29.8	28.1	28.1
110°	21.0	22.8	24.6	26.3	26.3	26.3	28.1	28.1	26.3	24.6	22.8

REPORT NUMBER: P695764
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	19.3	22.8	22.8	24.6	24.6	24.6	24.6	22.8	21.0	21.0
115°	15.8	17.5	19.3	21.0	21.0	21.0	22.8	21.0	19.3	19.3	19.3
117.5°	14.0	15.8	17.5	19.3	19.3	19.3	19.3	19.3	17.5	17.5	17.5
120°	12.3	14.0	15.8	17.5	17.5	17.5	17.5	17.5	15.8	15.8	15.8
122.5°	12.3	12.3	14.0	15.8	15.8	15.8	15.8	15.8	14.0	14.0	14.0
125°	10.5	12.3	14.0	14.0	14.0	14.0	14.0	14.0	12.3	12.3	14.0
127.5°	10.5	10.5	12.3	12.3	14.0	14.0	12.3	12.3	12.3	12.3	12.3
130°	10.5	10.5	10.5	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5
132.5°	8.8	10.5	10.5	10.5	10.5	10.5	10.5	8.8	8.8	10.5	10.5
135°	8.8	8.8	8.8	10.5	10.5	8.8	8.8	8.8	8.8	8.8	8.8
137.5°	8.8	8.8	8.8	8.8	8.8	8.8	7.0	7.0	7.0	8.8	8.8
140°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0
145°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	3.5	3.5
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)