

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: P695856

Luminaire Tested: **LXF.LXT-PA16-727-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180 lumens
Efficiency: N/A
Efficacy: 85.8 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 - G2

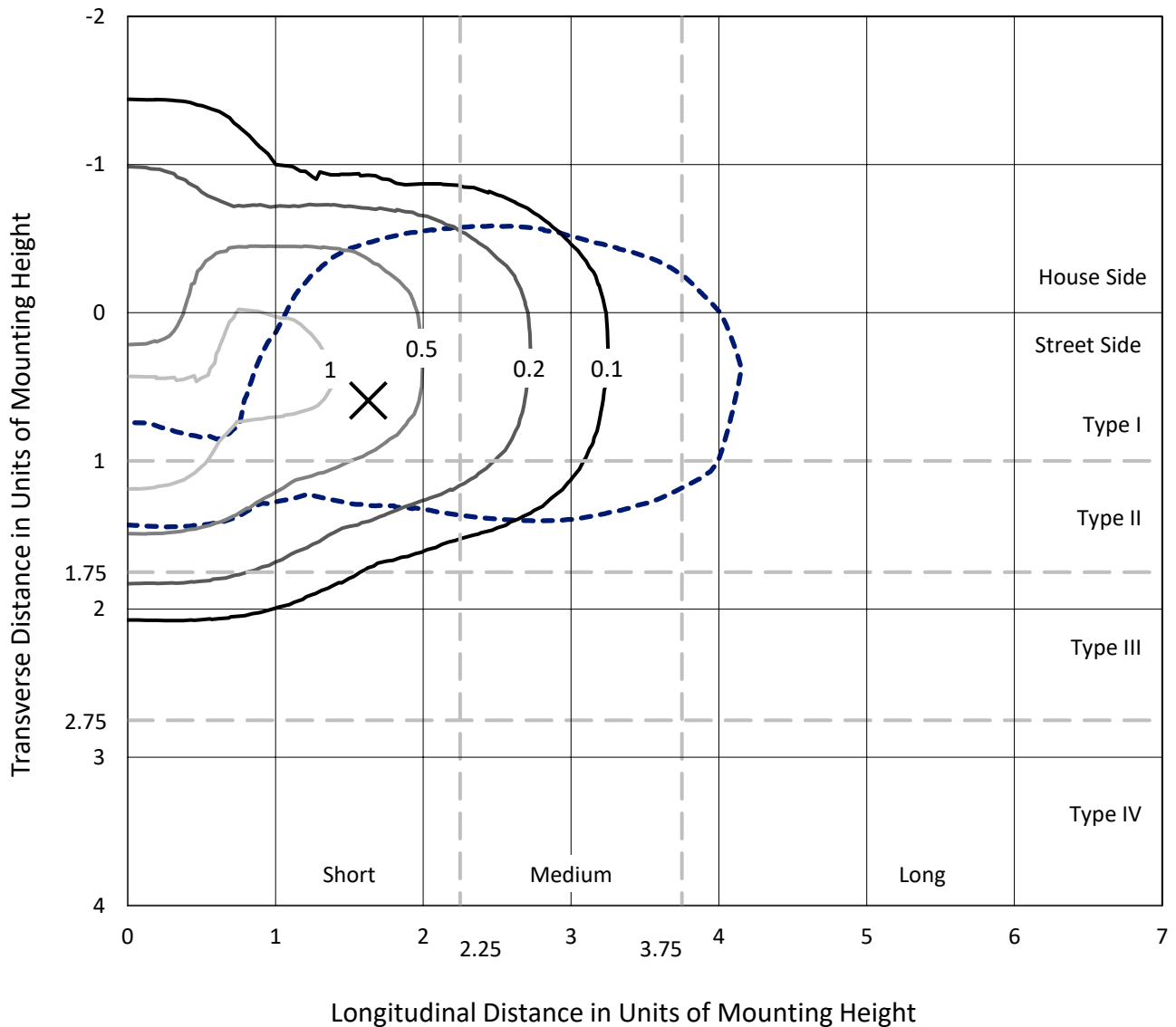
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

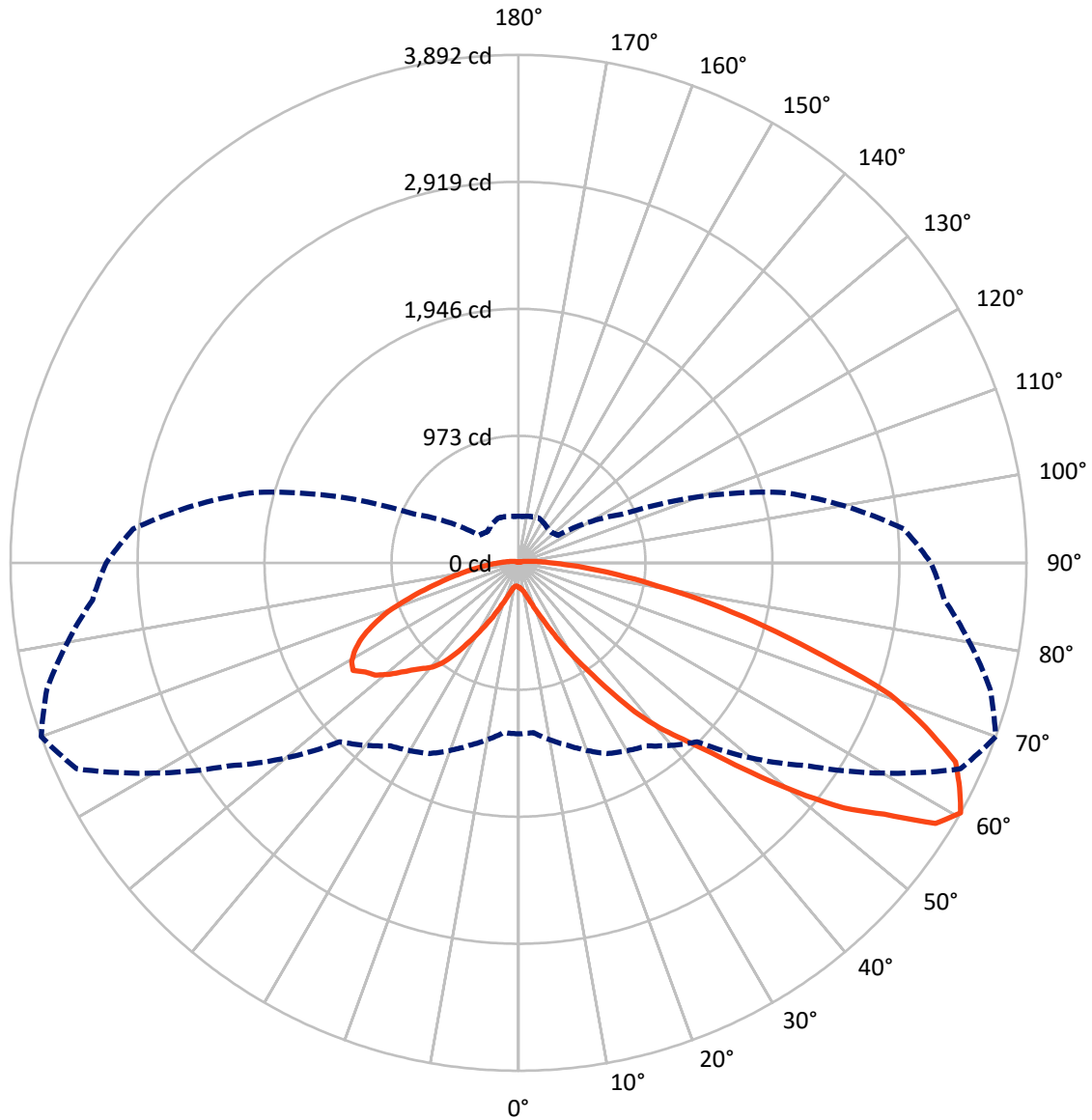
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

REPORT NUMBER: P695856
CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

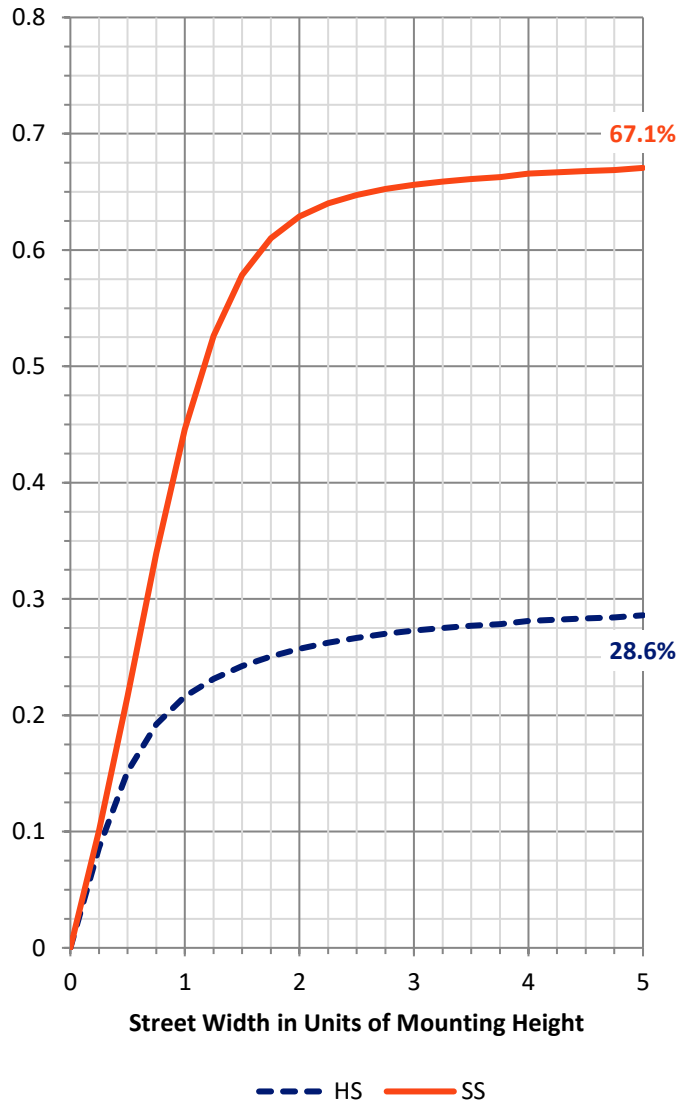
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1819.5	91.8	1911.3
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	4190.4	78.3	4268.7
	% Fixture	67.8	1.3	69.1
Total	Lumens	6009.9	170.1	6180.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.3
10°-20°	78.8	1.3
20°-30°	249.8	4.0
30°-40°	614.6	9.9
40°-50°	1063.6	17.2
50°-60°	1496.9	24.2
60°-70°	1391.9	22.5
70°-80°	793.8	12.8
80°-90°	302.0	4.9
90°-100°	90.1	1.5
100°-110°	36.6	0.6
110°-120°	19.6	0.3
120°-130°	12.3	0.2
130°-140°	7.9	0.1
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6009.9	97.2
0°-180°	6180.0	100.0

Coefficient of Utilization

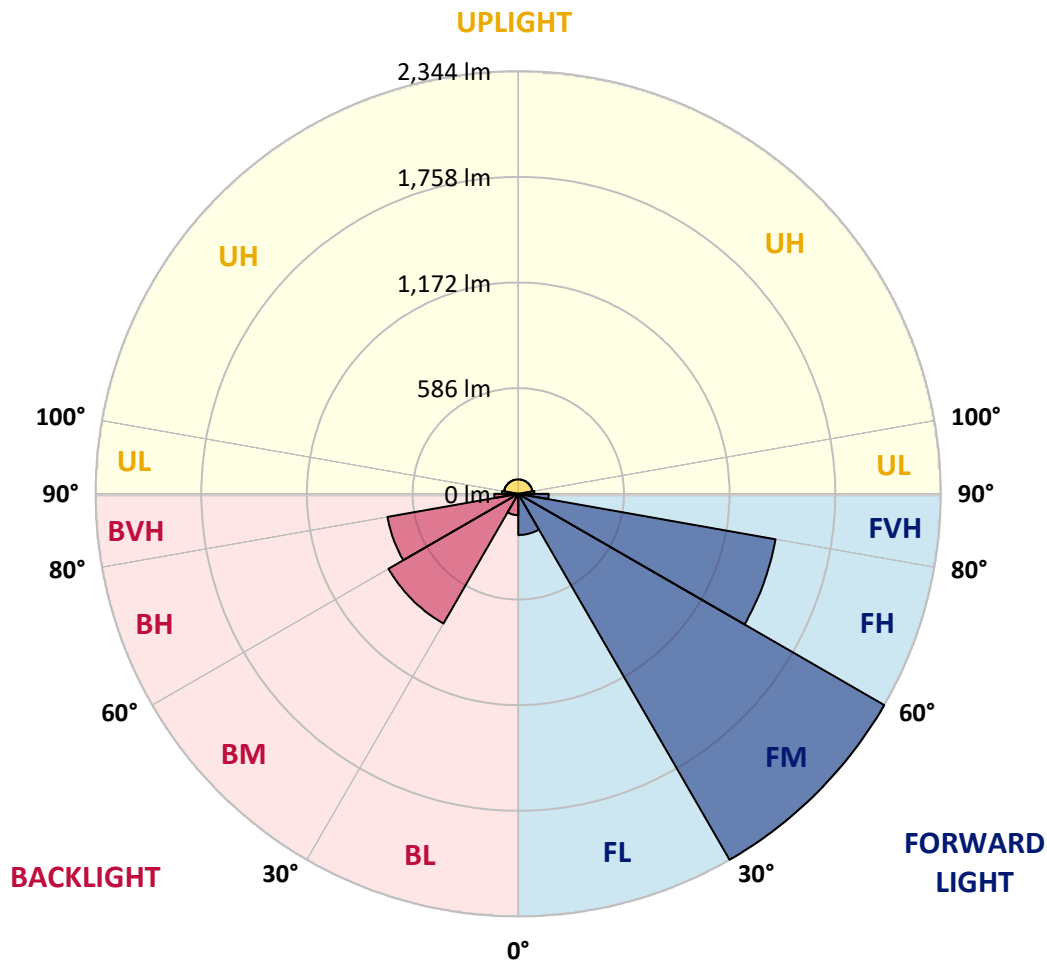


REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.6	3.7			
FM (30°-60°)	2344.1	37.9			
FH (60°-80°)	1449.0	23.4			G1/1800
FVH (80°-90°)	168.7	2.7			G2/225
BL (0°-30°)	118.5	1.9	B1/500		
BM (30°-60°)	831.0	13.4	B1/1000		
BH (60°-80°)	736.6	11.9	B2/1000		G2/1000
BVH (80°-90°)	133.3	2.2			G2/225
UL (90°-100°)	90.1	1.5		U3/500	
UH (100°-180°)	80.0	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	199.9	197.7	197.7	197.7	197.7	195.6	193.4	191.2	191.2	189.0	186.9
5°	217.3	217.3	217.3	215.1	212.9	210.8	206.4	202.1	199.9	195.6	191.2
7.5°	245.5	241.2	241.2	239.0	232.5	228.2	221.6	212.9	210.8	206.4	199.9
10°	280.3	278.1	276.0	269.4	258.6	249.9	243.4	232.5	226.0	221.6	212.9
12.5°	334.6	334.6	328.1	315.1	299.9	284.6	271.6	258.6	252.1	245.5	236.8
15°	402.0	399.8	397.6	375.9	352.0	330.3	308.5	293.3	286.8	282.5	267.3
17.5°	491.1	493.2	480.2	445.4	410.7	386.8	360.7	341.1	332.5	325.9	312.9
20°	606.2	604.1	584.5	534.5	495.4	456.3	428.1	397.6	391.1	384.6	369.4
22.5°	756.2	751.8	712.7	651.9	593.2	538.9	501.9	480.2	467.2	458.5	445.4
25°	910.4	927.8	873.5	799.6	714.9	632.3	593.2	580.2	567.1	560.6	543.2
27.5°	1153.8	1156.0	1077.7	958.2	845.2	760.5	710.5	688.8	688.8	680.1	658.4
30°	1412.4	1410.2	1314.6	1162.5	1008.2	890.9	838.7	825.7	830.0	819.2	788.8
32.5°	1640.5	1636.2	1529.7	1379.8	1175.5	1032.1	982.1	986.5	990.8	999.5	975.6
35°	1888.2	1886.1	1760.0	1575.3	1353.7	1192.9	1158.1	1199.4	1201.6	1214.6	1160.3
37.5°	1977.3	1990.4	1912.1	1747.0	1512.3	1358.0	1360.2	1405.9	1445.0	1449.3	1373.3
40°	2044.7	2051.2	1979.5	1846.9	1655.7	1529.7	1584.0	1657.9	1660.1	1623.1	1499.3
42.5°	2199.0	2205.5	2105.5	1938.2	1760.0	1703.5	1781.8	1860.0	1844.8	1812.2	1657.9
45°	2298.9	2307.6	2242.4	2081.6	1864.3	1831.7	1975.1	2079.4	2077.3	2055.5	1842.6
47.5°	2401.0	2414.1	2346.7	2194.6	1983.8	1951.2	2188.1	2403.2	2401.0	2340.2	2088.1
50°	2370.6	2381.5	2385.8	2285.9	2068.6	2075.1	2411.9	2742.2	2759.6	2681.3	2388.0
52.5°	2185.9	2203.3	2266.3	2279.3	2129.4	2159.8	2629.2	3100.7	3122.4	2992.1	2620.5
55°	1946.9	1968.6	2051.2	2142.5	2092.5	2181.6	2809.5	3385.3	3398.4	3291.9	2918.2
57.5°	1627.5	1673.1	1779.6	1910.0	1940.4	2129.4	2811.7	3620.0	3767.8	3685.2	3241.9
60°	1310.2	1305.9	1447.1	1612.3	1712.2	1938.2	2711.7	3735.2	3891.6	3741.7	3276.7
62.5°	940.9	956.1	1108.2	1299.4	1423.2	1640.5	2479.3	3509.2	3793.8	3789.5	3459.2
65°	671.4	686.6	797.4	980.0	1123.4	1360.2	2103.3	3287.6	3678.7	3713.4	3441.8
67.5°	478.0	484.6	569.3	712.7	838.7	1038.6	1723.1	2972.5	3363.6	3467.9	3341.9
70°	358.5	365.0	417.2	523.7	612.8	758.3	1375.4	2520.5	3020.3	3172.4	3085.5
72.5°	276.0	284.6	319.4	399.8	452.0	541.0	1027.8	2055.5	2442.3	2592.2	2555.3
75°	217.3	221.6	247.7	302.0	334.6	380.3	727.9	1581.9	1944.7	2159.8	2159.8
77.5°	173.8	180.3	197.7	236.8	265.1	282.5	499.8	1136.4	1508.0	1725.3	1775.2
80°	139.1	143.4	158.6	186.9	206.4	217.3	336.8	788.8	1082.1	1340.7	1486.2
82.5°	110.8	110.8	126.0	147.8	167.3	180.3	247.7	558.4	773.5	969.1	1129.9
85°	89.1	91.3	100.0	115.2	134.7	152.1	191.2	382.4	528.0	649.7	782.2
87.5°	69.5	69.5	78.2	89.1	108.6	128.2	156.4	258.6	347.7	447.6	525.8
90°	50.0	52.1	56.5	65.2	84.7	104.3	123.9	180.3	230.3	280.3	332.5
92.5°	36.9	36.9	39.1	45.6	60.8	82.6	100.0	130.4	158.6	182.5	206.4
95°	28.2	28.2	30.4	32.6	43.5	63.0	76.1	95.6	110.8	128.2	139.1
97.5°	23.9	23.9	23.9	26.1	34.8	47.8	58.7	71.7	82.6	93.4	104.3
100°	21.7	21.7	21.7	21.7	28.2	41.3	45.6	56.5	63.0	71.7	78.2
102.5°	19.6	19.6	19.6	19.6	26.1	34.8	39.1	43.5	50.0	54.3	60.8
105°	17.4	17.4	17.4	17.4	21.7	28.2	32.6	36.9	39.1	41.3	45.6
107.5°	15.2	15.2	15.2	15.2	19.6	26.1	28.2	28.2	30.4	32.6	36.9
110°	13.0	13.0	13.0	15.2	17.4	21.7	23.9	23.9	23.9	26.1	30.4

REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.0	13.0	13.0	13.0	15.2	19.6	19.6	19.6	21.7	21.7	26.1
115°	10.9	10.9	10.9	13.0	15.2	17.4	17.4	17.4	17.4	19.6	21.7
117.5°	10.9	10.9	10.9	10.9	15.2	17.4	17.4	15.2	15.2	17.4	19.6
120°	10.9	10.9	10.9	10.9	13.0	15.2	15.2	15.2	15.2	15.2	17.4
122.5°	10.9	10.9	10.9	10.9	13.0	13.0	13.0	13.0	13.0	13.0	15.2
125°	10.9	10.9	10.9	10.9	13.0	13.0	13.0	10.9	10.9	13.0	15.2
127.5°	13.0	13.0	10.9	10.9	10.9	13.0	10.9	10.9	10.9	10.9	13.0
130°	13.0	13.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	13.0
132.5°	13.0	13.0	10.9	10.9	10.9	10.9	10.9	8.7	8.7	10.9	13.0
135°	10.9	13.0	10.9	10.9	10.9	8.7	8.7	8.7	8.7	8.7	10.9
137.5°	10.9	10.9	10.9	8.7	8.7	8.7	6.5	6.5	6.5	8.7	8.7
140°	10.9	10.9	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7
142.5°	8.7	8.7	8.7	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5
145°	8.7	8.7	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	6.5	6.5	6.5	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2
150°	6.5	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	186.9	184.7	182.5	182.5	180.3	178.2	176.0	176.0	176.0	176.0	176.0
5°	189.0	186.9	182.5	178.2	173.8	169.5	167.3	163.0	163.0	163.0	160.8
7.5°	195.6	191.2	184.7	176.0	169.5	163.0	156.4	154.3	152.1	149.9	149.9
10°	206.4	202.1	191.2	180.3	169.5	160.8	152.1	145.6	141.2	141.2	141.2
12.5°	228.2	221.6	206.4	189.0	173.8	160.8	149.9	143.4	141.2	141.2	143.4
15°	262.9	254.2	232.5	210.8	186.9	167.3	158.6	158.6	160.8	163.0	163.0
17.5°	304.2	293.3	269.4	239.0	210.8	191.2	182.5	184.7	189.0	191.2	191.2
20°	362.9	343.3	319.4	278.1	241.2	223.8	212.9	210.8	221.6	226.0	226.0
22.5°	430.2	419.4	380.3	328.1	284.6	258.6	243.4	239.0	249.9	254.2	254.2
25°	530.2	508.5	462.8	393.3	336.8	293.3	271.6	267.3	282.5	291.2	291.2
27.5°	645.3	612.8	556.3	467.2	388.9	325.9	297.7	297.7	312.9	325.9	328.1
30°	764.9	727.9	660.6	549.7	441.1	352.0	317.2	319.4	334.6	354.2	349.8
32.5°	938.7	886.5	786.6	643.2	488.9	373.7	328.1	336.8	360.7	386.8	382.4
35°	1108.2	1053.8	934.3	747.5	530.2	384.6	334.6	354.2	380.3	399.8	399.8
37.5°	1288.5	1221.2	1069.1	838.7	573.6	391.1	339.0	358.5	384.6	397.6	397.6
40°	1408.0	1340.7	1166.8	903.9	591.0	388.9	336.8	356.4	373.7	378.1	373.7
42.5°	1558.0	1458.0	1242.9	934.3	582.3	378.1	330.3	345.5	352.0	349.8	349.8
45°	1736.1	1625.3	1351.5	945.2	556.3	360.7	321.6	332.5	341.1	343.3	343.3
47.5°	1975.1	1846.9	1492.8	962.6	523.7	343.3	317.2	334.6	343.3	336.8	336.8
50°	2251.1	2101.2	1655.7	977.8	491.1	330.3	319.4	341.1	343.3	336.8	334.6
52.5°	2470.6	2307.6	1797.0	995.2	458.5	323.8	328.1	349.8	347.7	336.8	334.6
55°	2761.7	2594.4	1923.0	956.1	428.1	325.9	336.8	358.5	352.0	334.6	334.6
57.5°	3105.0	2903.0	2090.3	934.3	393.3	332.5	347.7	367.2	356.4	341.1	339.0
60°	3159.4	2963.8	2086.0	880.0	367.2	336.8	356.4	375.9	367.2	356.4	356.4
62.5°	3344.1	3133.3	2051.2	784.4	347.7	336.8	362.9	386.8	388.9	382.4	380.3
65°	3320.2	3089.8	1962.1	688.8	330.3	332.5	367.2	399.8	402.0	404.2	404.2
67.5°	3233.2	2992.1	1807.8	604.1	310.7	325.9	367.2	397.6	408.5	417.2	417.2
70°	2968.1	2748.7	1612.3	519.3	291.2	308.5	349.8	384.6	395.5	406.3	408.5
72.5°	2483.6	2279.3	1323.3	441.1	265.1	282.5	319.4	352.0	365.0	373.7	371.6
75°	2070.8	1905.6	1075.6	349.8	236.8	249.9	280.3	308.5	317.2	323.8	323.8
77.5°	1710.1	1562.3	847.4	286.8	206.4	217.3	241.2	262.9	271.6	273.8	269.4
80°	1427.6	1253.7	664.9	232.5	176.0	182.5	206.4	223.8	232.5	228.2	230.3
82.5°	1103.8	960.4	504.1	195.6	154.3	156.4	173.8	189.0	195.6	191.2	189.0
85°	749.6	651.9	362.9	169.5	134.7	132.5	143.4	156.4	160.8	158.6	156.4
87.5°	495.4	430.2	262.9	145.6	117.3	115.2	121.7	132.5	136.9	134.7	130.4
90°	312.9	284.6	189.0	123.9	102.1	97.8	102.1	108.6	115.2	113.0	110.8
92.5°	199.9	180.3	139.1	102.1	86.9	82.6	82.6	86.9	91.3	86.9	82.6
95°	134.7	130.4	106.5	82.6	71.7	67.4	65.2	65.2	69.5	65.2	63.0
97.5°	104.3	100.0	86.9	65.2	56.5	54.3	52.1	52.1	56.5	52.1	50.0
100°	80.4	80.4	69.5	54.3	43.5	43.5	43.5	45.6	47.8	45.6	45.6
102.5°	63.0	63.0	58.7	45.6	36.9	36.9	36.9	39.1	43.5	41.3	41.3
105°	47.8	50.0	47.8	36.9	32.6	32.6	32.6	34.8	36.9	36.9	36.9
107.5°	39.1	41.3	39.1	32.6	28.2	28.2	28.2	30.4	32.6	34.8	34.8
110°	32.6	34.8	32.6	28.2	26.1	26.1	26.1	26.1	30.4	30.4	32.6

REPORT NUMBER: P695856
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	28.2	28.2	23.9	23.9	23.9	21.7	23.9	26.1	28.2	28.2
115°	23.9	23.9	23.9	21.7	21.7	21.7	19.6	19.6	23.9	26.1	26.1
117.5°	21.7	21.7	21.7	19.6	19.6	19.6	17.4	17.4	19.6	23.9	23.9
120°	19.6	19.6	19.6	17.4	17.4	17.4	15.2	15.2	17.4	21.7	21.7
122.5°	17.4	17.4	17.4	15.2	15.2	15.2	15.2	15.2	17.4	19.6	19.6
125°	15.2	15.2	15.2	15.2	15.2	13.0	13.0	13.0	15.2	17.4	17.4
127.5°	15.2	15.2	15.2	13.0	13.0	13.0	13.0	13.0	13.0	15.2	17.4
130°	13.0	13.0	13.0	13.0	10.9	10.9	10.9	10.9	13.0	15.2	15.2
132.5°	13.0	13.0	13.0	10.9	10.9	10.9	10.9	10.9	13.0	13.0	15.2
135°	10.9	13.0	10.9	10.9	10.9	8.7	8.7	8.7	10.9	13.0	13.0
137.5°	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	10.9	10.9	10.9
140°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7	10.9	10.9
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.7	8.7	8.7
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	8.7	8.7
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	6.5
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)