

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: P695619

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066 lumens
Efficiency: N/A
Efficacy: 97.8 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

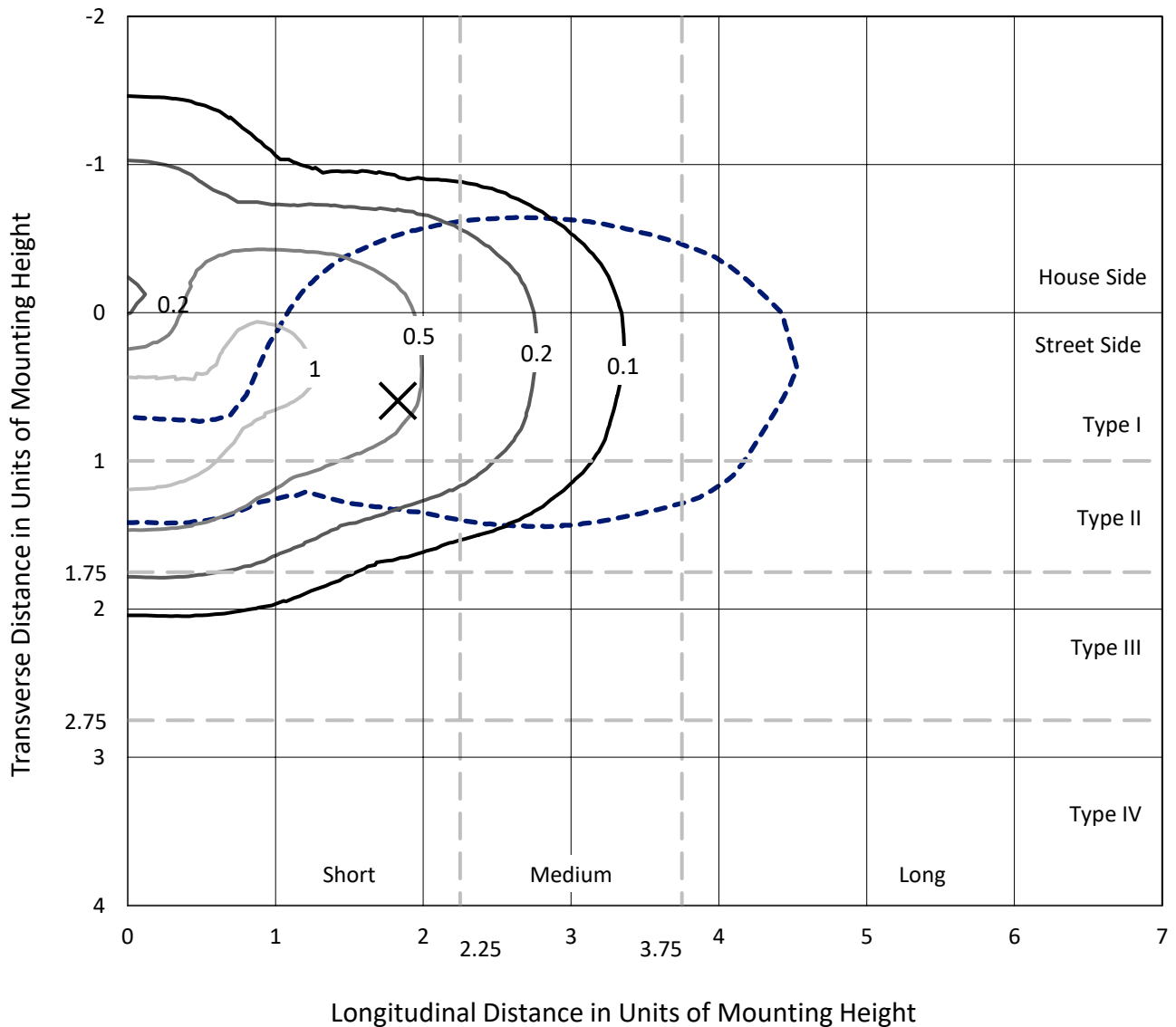
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

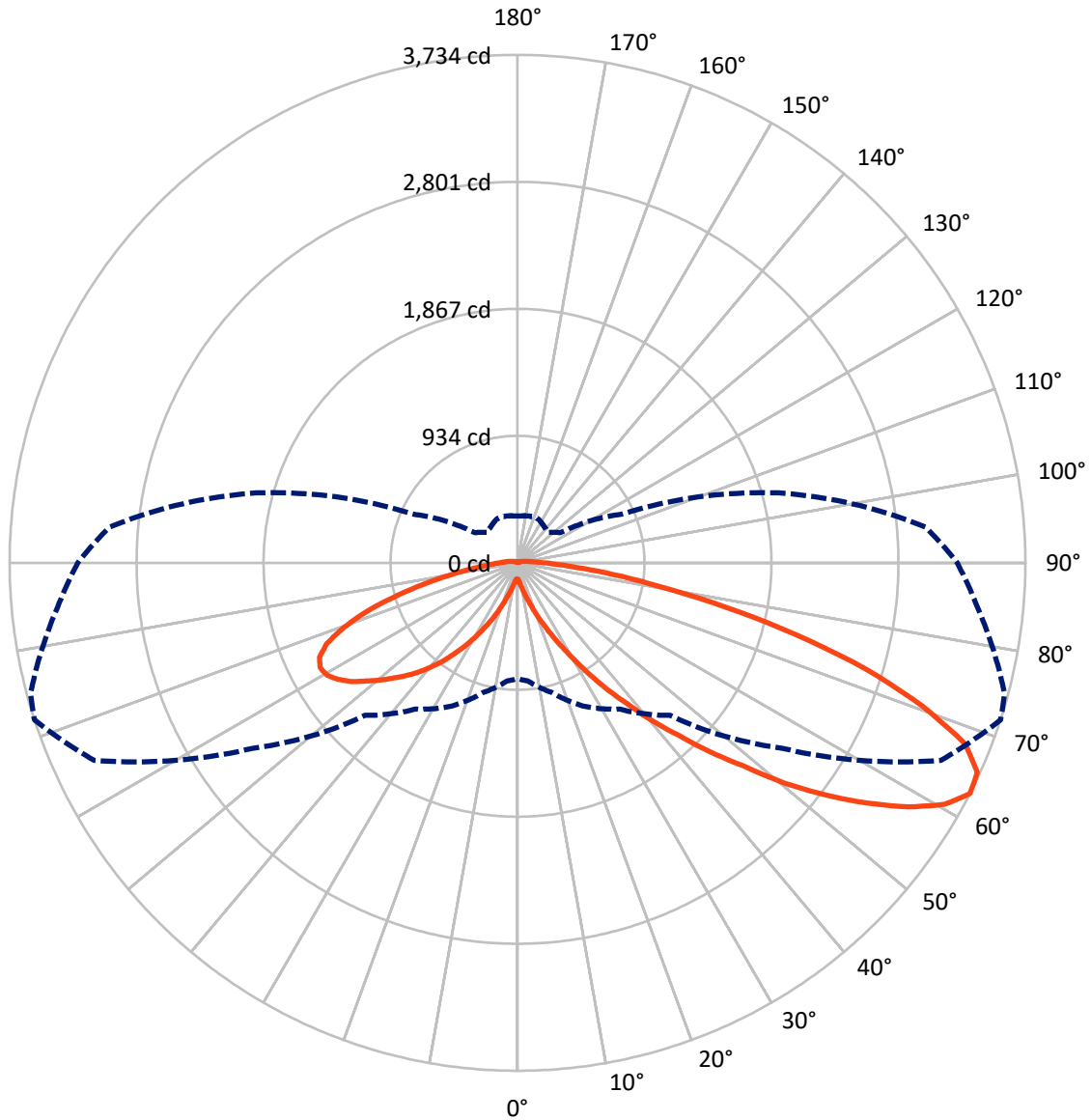
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

REPORT NUMBER: P695619
CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

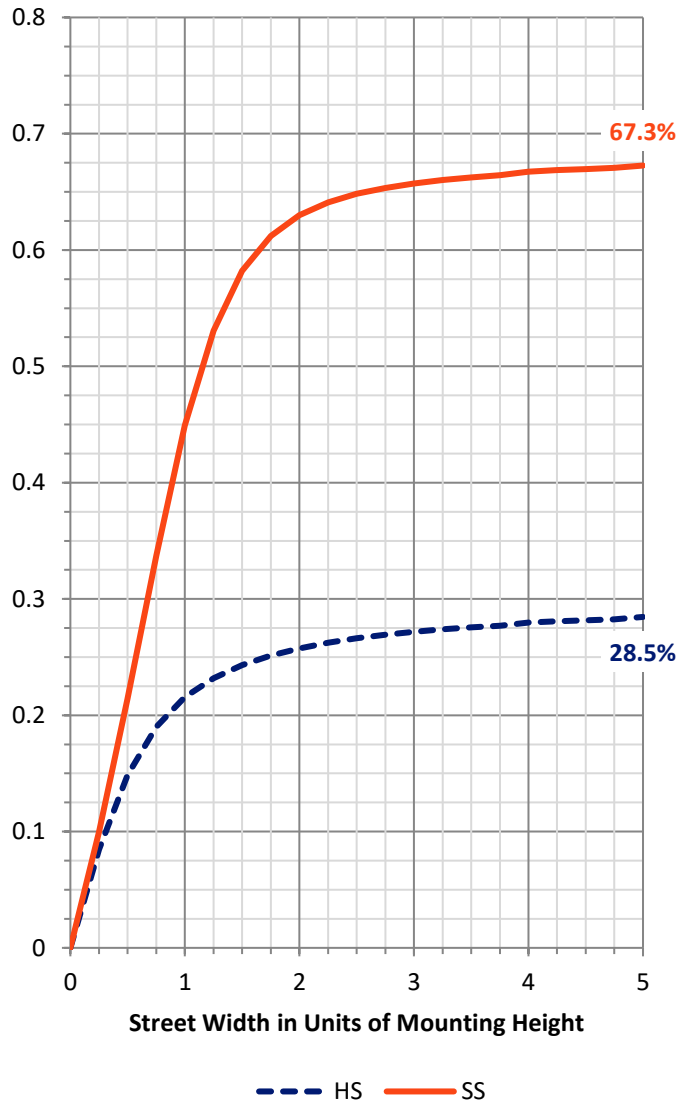
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.5	90.5	1869.0
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	4123.6	73.4	4197.0
	% Fixture	68.0	1.2	69.2
Total	Lumens	5902.2	163.9	6066.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	76.6	1.3
20°-30°	252.8	4.2
30°-40°	604.0	10.0
40°-50°	1073.9	17.7
50°-60°	1419.9	23.4
60°-70°	1364.2	22.5
70°-80°	828.1	13.7
80°-90°	268.7	4.4
90°-100°	82.6	1.4
100°-110°	38.6	0.6
110°-120°	20.0	0.3
120°-130°	11.8	0.2
130°-140°	7.1	0.1
140°-150°	3.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5902.2	97.3
0°-180°	6066.0	100.0

Coefficient of Utilization

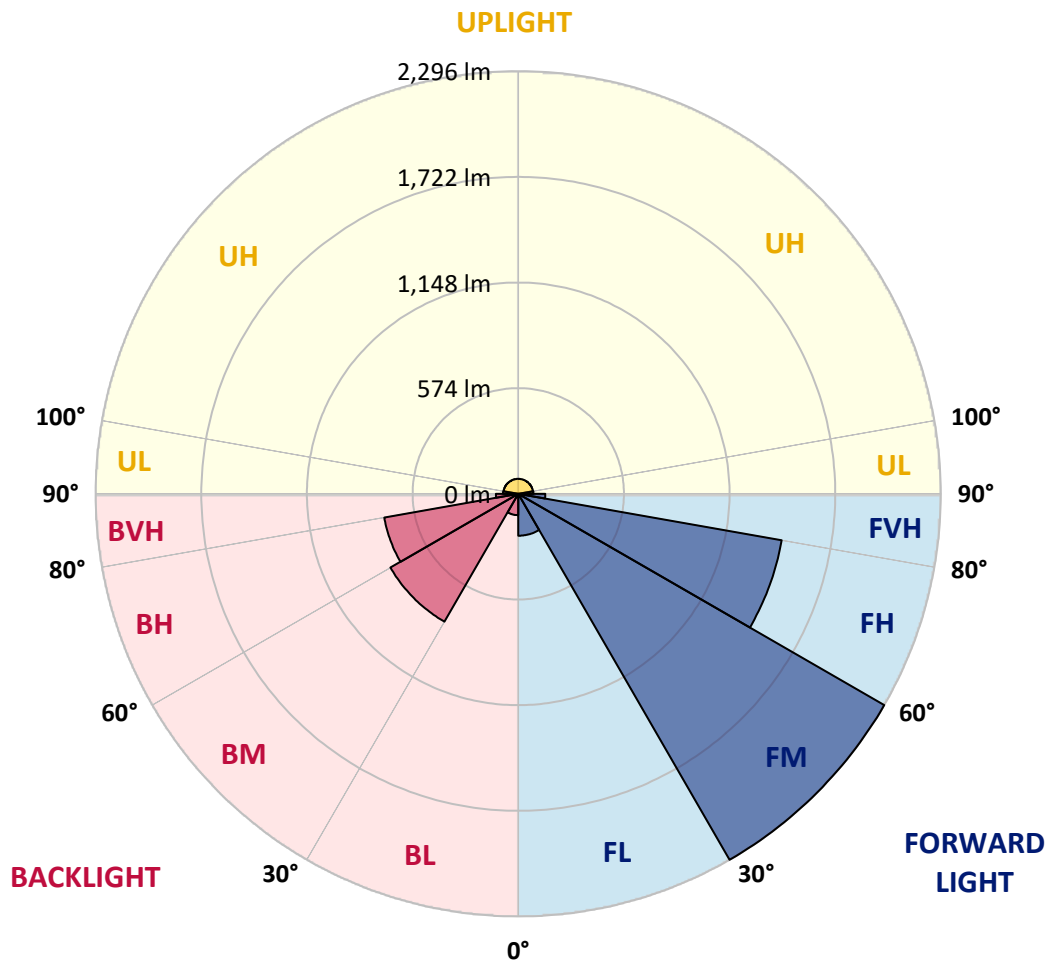


REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.5	3.8			
FM (30°-60°)	2295.9	37.8			
FH (60°-80°)	1453.2	24.0			G1/1800
FVH (80°-90°)	147.0	2.4			G2/225
BL (0°-30°)	116.0	1.9	B1/500		
BM (30°-60°)	801.8	13.2	B1/1000		
BH (60°-80°)	739.0	12.2	B2/1000		G2/1000
BVH (80°-90°)	121.7	2.0			G2/225
UL (90°-100°)	82.6	1.4		U3/500	
UH (100°-180°)	81.3	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	133.9	136.0	133.9	136.0	133.9	131.8	131.8	127.5	127.5	125.4	123.3
5°	159.4	161.5	161.5	159.4	155.1	153.0	146.6	144.5	140.3	138.1	133.9
7.5°	195.5	193.4	195.5	189.1	187.0	182.8	174.3	167.9	161.5	159.4	153.0
10°	242.3	240.2	238.0	233.8	227.4	218.9	210.4	197.7	193.4	191.3	180.6
12.5°	297.5	301.8	295.4	289.0	278.4	267.8	252.9	238.0	231.7	229.5	212.5
15°	378.3	378.3	369.8	359.2	337.9	320.9	306.0	291.2	280.5	276.3	261.4
17.5°	480.3	473.9	463.3	437.8	418.7	391.0	374.0	350.7	340.0	337.9	318.8
20°	593.0	597.2	573.8	541.9	505.8	471.8	446.3	422.9	412.3	410.2	386.8
22.5°	741.7	741.7	709.8	667.3	607.8	561.1	531.3	507.9	493.1	484.6	469.7
25°	913.9	913.9	877.7	794.9	731.1	667.3	624.8	599.3	593.0	584.4	563.2
27.5°	1120.0	1126.4	1058.4	975.5	858.6	782.1	731.1	716.2	703.5	707.7	665.2
30°	1358.0	1347.4	1275.2	1147.6	1013.8	913.9	862.9	841.6	833.1	835.2	797.0
32.5°	1585.5	1568.4	1502.6	1355.9	1177.4	1064.8	1007.4	990.4	984.0	975.5	928.7
35°	1849.0	1834.1	1740.6	1562.1	1364.4	1217.8	1149.8	1149.8	1149.8	1139.1	1071.1
37.5°	2104.0	2076.4	1974.4	1778.9	1549.3	1383.6	1326.2	1334.7	1321.9	1307.0	1230.5
40°	2308.0	2288.9	2191.2	1991.4	1738.5	1564.2	1508.9	1521.7	1528.1	1506.8	1400.6
42.5°	2452.6	2444.1	2365.4	2178.4	1908.5	1742.7	1721.5	1736.3	1732.1	1708.7	1591.8
45°	2522.7	2514.2	2463.2	2310.2	2074.3	1919.1	1921.2	1987.1	1976.5	1951.0	1783.1
47.5°	2484.4	2495.1	2475.9	2380.3	2178.4	2067.9	2127.4	2244.3	2229.4	2206.0	1999.9
50°	2369.7	2365.4	2395.2	2361.2	2218.8	2167.8	2329.3	2541.8	2546.1	2484.4	2248.5
52.5°	2129.5	2140.1	2225.2	2244.3	2184.8	2206.0	2499.3	2828.7	2837.2	2762.8	2486.6
55°	1844.7	1842.6	1953.1	2050.9	2055.1	2163.5	2597.1	3075.3	3117.8	3062.5	2741.6
57.5°	1466.4	1504.7	1619.5	1774.6	1851.1	2033.9	2631.1	3296.3	3385.6	3309.0	2971.1
60°	1134.9	1164.6	1302.8	1470.7	1594.0	1836.2	2546.1	3417.4	3606.6	3553.4	3217.7
62.5°	852.2	871.4	988.3	1164.6	1313.4	1585.5	2376.1	3434.4	3734.1	3706.5	3381.3
65°	627.0	637.6	750.2	903.2	1049.9	1285.8	2070.0	3289.9	3715.0	3734.1	3493.9
67.5°	454.8	471.8	554.7	690.7	816.1	1030.8	1736.3	2979.6	3547.1	3602.3	3453.6
70°	359.2	367.7	425.1	531.3	622.7	786.3	1400.6	2552.4	3160.3	3285.7	3251.7
72.5°	289.0	293.3	337.9	418.7	478.2	597.2	1058.4	2063.6	2688.5	2833.0	2911.6
75°	238.0	242.3	278.4	333.7	380.4	446.3	775.7	1562.1	2112.5	2269.8	2439.8
77.5°	189.1	197.7	225.3	267.8	301.8	340.0	544.1	1128.5	1562.1	1685.3	1883.0
80°	150.9	155.1	180.6	214.7	240.2	267.8	399.6	748.1	1056.3	1209.3	1358.0
82.5°	114.8	119.0	138.1	165.8	187.0	206.2	284.8	493.1	709.8	786.3	869.2
85°	82.9	82.9	102.0	125.4	144.5	163.6	208.3	320.9	433.6	478.2	535.6
87.5°	55.3	57.4	70.1	91.4	112.6	127.5	153.0	210.4	276.3	291.2	329.4
90°	38.3	40.4	48.9	65.9	85.0	99.9	114.8	144.5	174.3	189.1	216.8
92.5°	27.6	29.8	38.3	48.9	65.9	80.8	91.4	104.1	123.3	133.9	148.8
95°	21.3	23.4	29.8	40.4	53.1	65.9	74.4	80.8	93.5	99.9	110.5
97.5°	19.1	19.1	25.5	34.0	44.6	55.3	61.6	65.9	74.4	78.6	87.1
100°	17.0	17.0	21.3	29.8	38.3	46.8	51.0	53.1	59.5	61.6	68.0
102.5°	14.9	14.9	19.1	25.5	34.0	40.4	44.6	44.6	48.9	48.9	53.1
105°	12.8	12.8	17.0	23.4	29.8	36.1	38.3	38.3	38.3	40.4	40.4
107.5°	12.8	12.8	14.9	21.3	25.5	31.9	34.0	31.9	31.9	31.9	31.9
110°	10.6	10.6	14.9	19.1	23.4	27.6	27.6	27.6	25.5	25.5	25.5

REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.6	10.6	12.8	17.0	21.3	23.4	25.5	23.4	21.3	21.3	21.3
115°	10.6	10.6	12.8	14.9	19.1	21.3	21.3	19.1	17.0	17.0	17.0
117.5°	8.5	10.6	10.6	14.9	17.0	19.1	19.1	17.0	14.9	14.9	14.9
120°	8.5	8.5	10.6	12.8	14.9	17.0	17.0	14.9	12.8	12.8	14.9
122.5°	8.5	8.5	10.6	12.8	14.9	14.9	14.9	12.8	12.8	12.8	12.8
125°	8.5	8.5	8.5	10.6	12.8	14.9	12.8	12.8	10.6	10.6	12.8
127.5°	8.5	8.5	8.5	10.6	12.8	12.8	12.8	10.6	10.6	10.6	10.6
130°	8.5	8.5	8.5	8.5	10.6	10.6	10.6	10.6	8.5	8.5	10.6
132.5°	8.5	8.5	8.5	8.5	10.6	10.6	10.6	8.5	8.5	8.5	8.5
135°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	6.4	8.5	8.5
137.5°	8.5	8.5	6.4	8.5	8.5	8.5	8.5	6.4	6.4	6.4	8.5
140°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
142.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	6.4	6.4
145°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	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: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	123.3	121.1	119.0	116.9	116.9	114.8	114.8	112.6	112.6	112.6	112.6
5°	131.8	129.6	125.4	121.1	116.9	114.8	110.5	108.4	108.4	106.3	106.3
7.5°	150.9	144.5	138.1	131.8	125.4	119.0	114.8	110.5	108.4	108.4	108.4
10°	174.3	170.0	157.3	148.8	140.3	131.8	125.4	119.0	114.8	114.8	112.6
12.5°	210.4	204.0	187.0	176.4	161.5	148.8	140.3	131.8	127.5	125.4	125.4
15°	252.9	244.4	229.5	208.3	189.1	172.1	159.4	153.0	148.8	146.6	146.6
17.5°	310.3	297.5	274.2	248.7	223.2	199.8	187.0	176.4	170.0	172.1	172.1
20°	378.3	363.4	331.5	297.5	261.4	235.9	214.7	204.0	199.8	199.8	199.8
22.5°	452.7	435.7	401.7	354.9	308.2	272.0	244.4	231.7	231.7	231.7	231.7
25°	550.4	520.7	478.2	416.6	354.9	303.9	274.2	263.5	263.5	265.7	267.8
27.5°	644.0	624.8	561.1	482.4	403.8	337.9	299.7	289.0	295.4	299.7	301.8
30°	763.0	729.0	652.5	550.4	448.4	365.5	323.0	314.5	325.2	331.5	333.7
32.5°	894.7	848.0	750.2	624.8	488.8	386.8	340.0	335.8	346.4	357.0	357.0
35°	1028.6	973.4	850.1	697.1	520.7	399.6	350.7	350.7	363.4	374.0	374.0
37.5°	1175.3	1100.9	958.5	758.7	546.2	405.9	357.0	359.2	374.0	380.4	382.5
40°	1330.4	1245.4	1060.5	816.1	558.9	403.8	359.2	365.5	376.2	382.5	382.5
42.5°	1491.9	1396.3	1171.0	858.6	561.1	399.6	357.0	365.5	376.2	378.3	378.3
45°	1674.7	1562.1	1277.3	890.5	552.6	391.0	354.9	365.5	371.9	369.8	369.8
47.5°	1876.6	1738.5	1379.3	916.0	535.6	380.4	352.8	365.5	367.7	363.4	361.3
50°	2104.0	1934.0	1498.3	926.6	516.4	369.8	350.7	363.4	363.4	354.9	354.9
52.5°	2339.9	2159.3	1619.5	928.7	493.1	359.2	350.7	363.4	361.3	348.5	348.5
55°	2556.7	2380.3	1749.1	926.6	467.6	346.4	346.4	363.4	359.2	346.4	346.4
57.5°	2835.1	2616.2	1857.5	909.6	439.9	337.9	344.3	363.4	357.0	344.3	344.3
60°	3043.4	2833.0	1942.5	886.2	414.4	325.2	340.0	361.3	354.9	344.3	344.3
62.5°	3232.5	3011.5	1985.0	845.9	384.7	314.5	333.7	357.0	354.9	346.4	344.3
65°	3328.2	3088.0	1968.0	784.2	357.0	301.8	327.3	352.8	350.7	344.3	344.3
67.5°	3304.8	3058.3	1872.4	705.6	329.4	289.0	316.7	340.0	342.2	340.0	340.0
70°	3132.6	2860.6	1691.7	607.8	303.9	272.0	303.9	327.3	329.4	329.4	331.5
72.5°	2796.9	2526.9	1457.9	516.4	276.3	255.0	284.8	308.2	312.4	314.5	312.4
75°	2350.5	2076.4	1166.8	427.2	250.8	235.9	263.5	284.8	291.2	291.2	291.2
77.5°	1808.6	1587.6	879.9	342.2	225.3	214.7	240.2	259.3	263.5	265.7	263.5
80°	1283.7	1120.0	620.6	276.3	199.8	193.4	212.5	227.4	231.7	235.9	233.8
82.5°	837.4	748.1	435.7	218.9	172.1	167.9	184.9	195.5	199.8	199.8	197.7
85°	507.9	465.4	286.9	174.3	146.6	142.4	155.1	161.5	163.6	163.6	163.6
87.5°	316.7	286.9	201.9	140.3	123.3	121.1	127.5	129.6	136.0	133.9	131.8
90°	204.0	191.3	148.8	110.5	99.9	99.9	104.1	104.1	108.4	108.4	104.1
92.5°	146.6	140.3	114.8	91.4	82.9	85.0	87.1	85.0	87.1	87.1	87.1
95°	112.6	108.4	95.6	78.6	70.1	72.3	70.1	70.1	72.3	72.3	70.1
97.5°	89.3	89.3	78.6	65.9	61.6	59.5	61.6	59.5	61.6	59.5	57.4
100°	70.1	70.1	65.9	57.4	53.1	51.0	53.1	51.0	53.1	51.0	48.9
102.5°	55.3	57.4	55.3	48.9	46.8	44.6	44.6	44.6	44.6	42.5	42.5
105°	42.5	44.6	46.8	42.5	40.4	38.3	38.3	38.3	38.3	36.1	34.0
107.5°	34.0	36.1	38.3	36.1	36.1	34.0	34.0	34.0	31.9	29.8	29.8
110°	27.6	29.8	31.9	31.9	29.8	29.8	29.8	29.8	27.6	25.5	25.5

REPORT NUMBER: P695619
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	23.4	25.5	27.6	27.6	27.6	27.6	25.5	23.4	23.4	23.4
115°	19.1	21.3	23.4	23.4	23.4	23.4	23.4	21.3	21.3	19.1	19.1
117.5°	17.0	17.0	19.1	21.3	21.3	21.3	21.3	19.1	17.0	17.0	19.1
120°	14.9	14.9	17.0	19.1	19.1	19.1	19.1	17.0	14.9	17.0	17.0
122.5°	14.9	14.9	14.9	17.0	17.0	17.0	17.0	14.9	14.9	14.9	14.9
125°	12.8	12.8	14.9	14.9	14.9	14.9	14.9	12.8	12.8	14.9	14.9
127.5°	12.8	12.8	12.8	12.8	14.9	14.9	12.8	12.8	12.8	12.8	12.8
130°	10.6	10.6	12.8	12.8	12.8	12.8	12.8	10.6	10.6	12.8	12.8
132.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
135°	8.5	8.5	10.6	10.6	10.6	10.6	10.6	8.5	10.6	10.6	10.6
137.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.6	10.6
140°	6.4	6.4	6.4	8.5	8.5	8.5	8.5	6.4	8.5	8.5	8.5
142.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.5	8.5
145°	4.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	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)