

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: P695779

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4852 lumens
Efficiency: N/A
Efficacy: 78.3 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

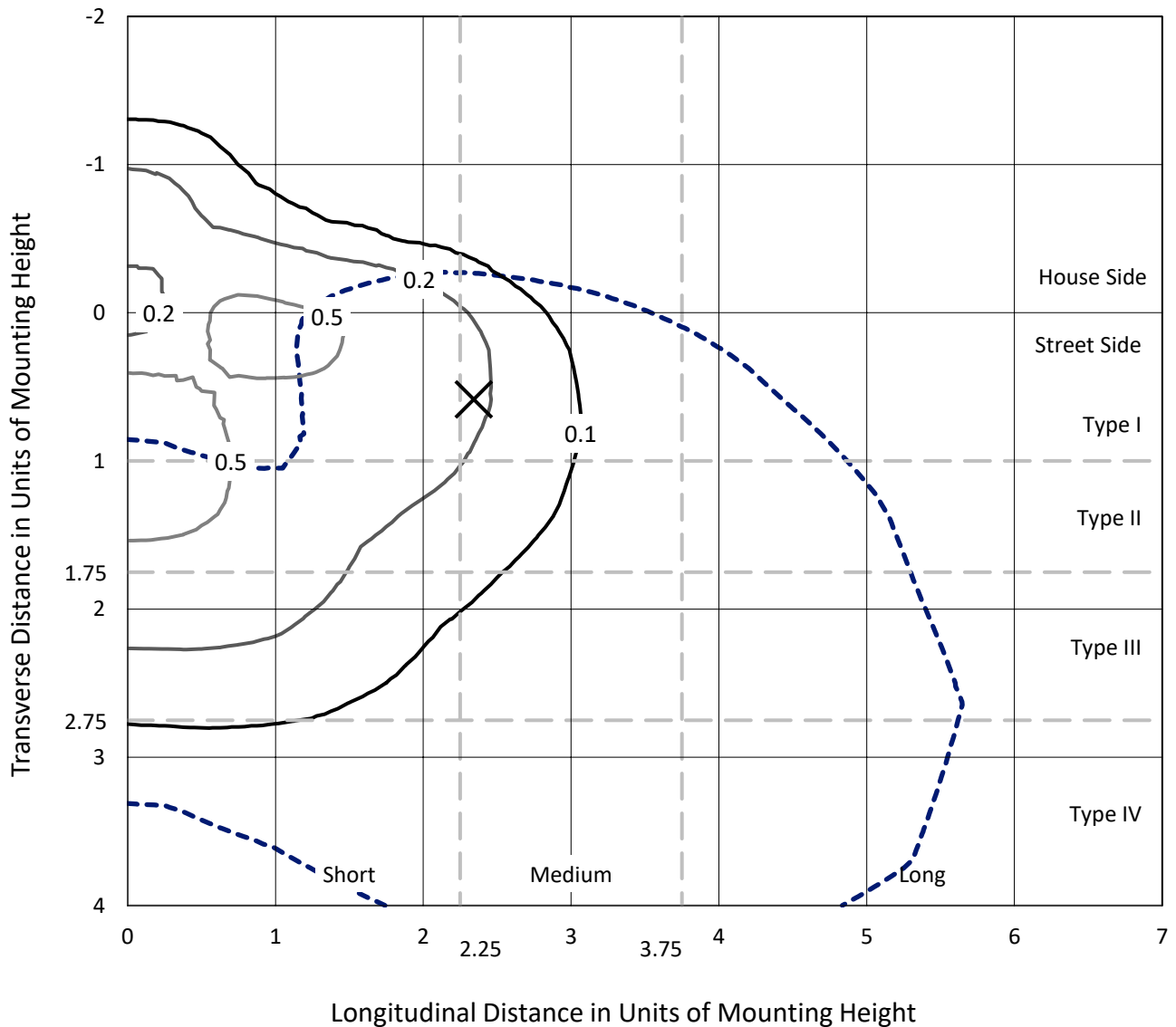
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

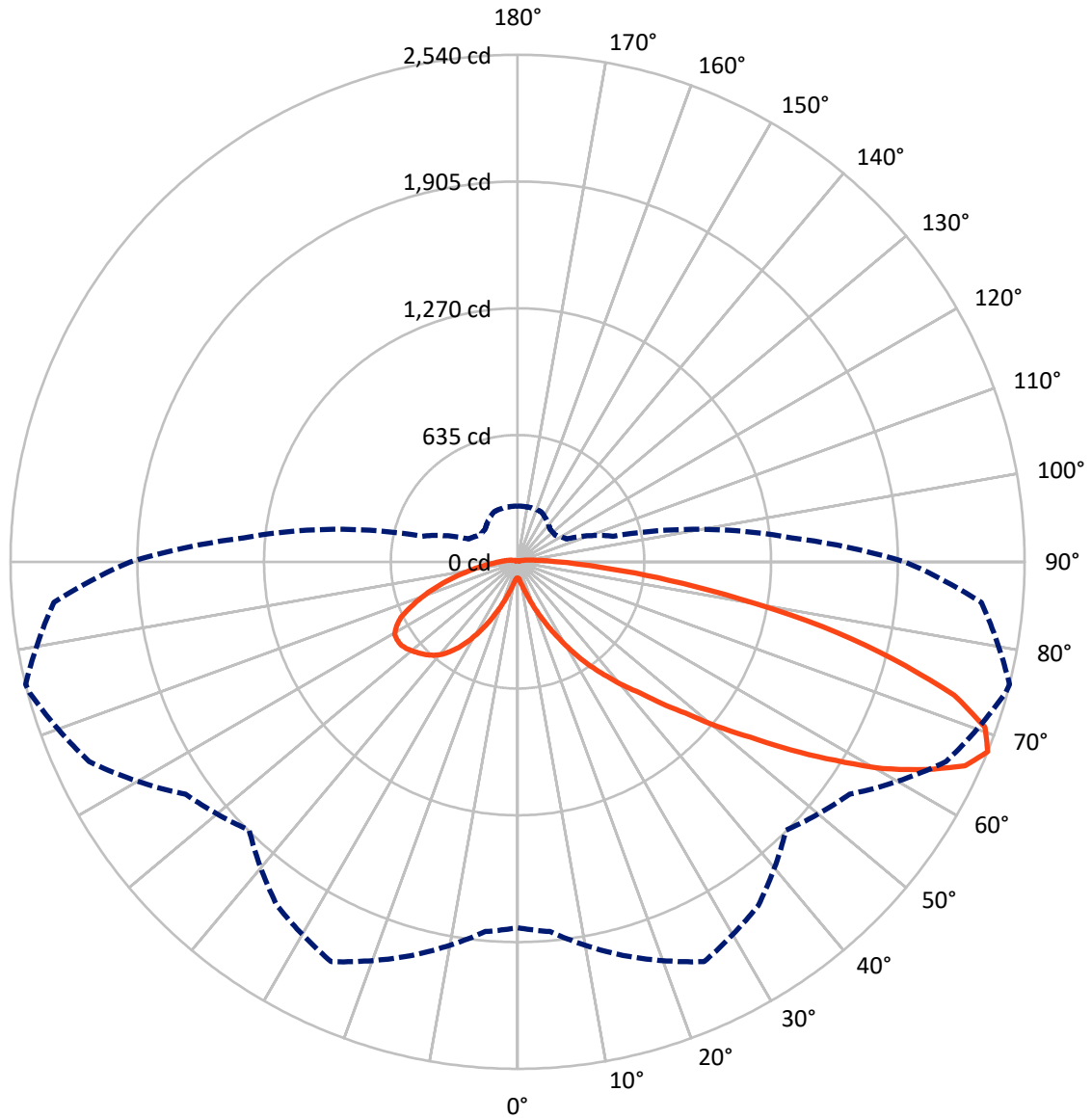
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695779
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

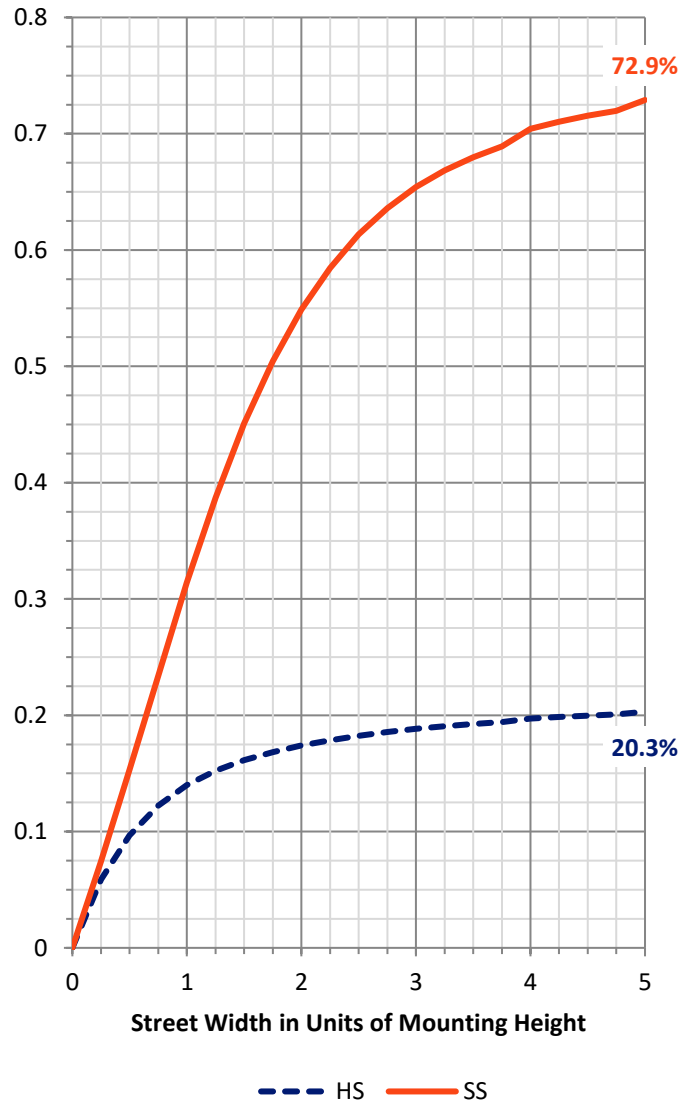
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.1	83.8	1122.9
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	3644.4	84.7	3729.1
	% Fixture	75.1	1.7	76.9
Total	Lumens	4683.5	168.5	4852.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	47.9	1.0
20°-30°	151.4	3.1
30°-40°	337.5	7.0
40°-50°	579.2	11.9
50°-60°	903.6	18.6
60°-70°	1237.2	25.5
70°-80°	1036.9	21.4
80°-90°	380.5	7.8
90°-100°	95.8	2.0
100°-110°	36.5	0.8
110°-120°	17.4	0.4
120°-130°	9.8	0.2
130°-140°	5.8	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4683.5	96.5
0°-180°	4852.0	100.0

Coefficient of Utilization

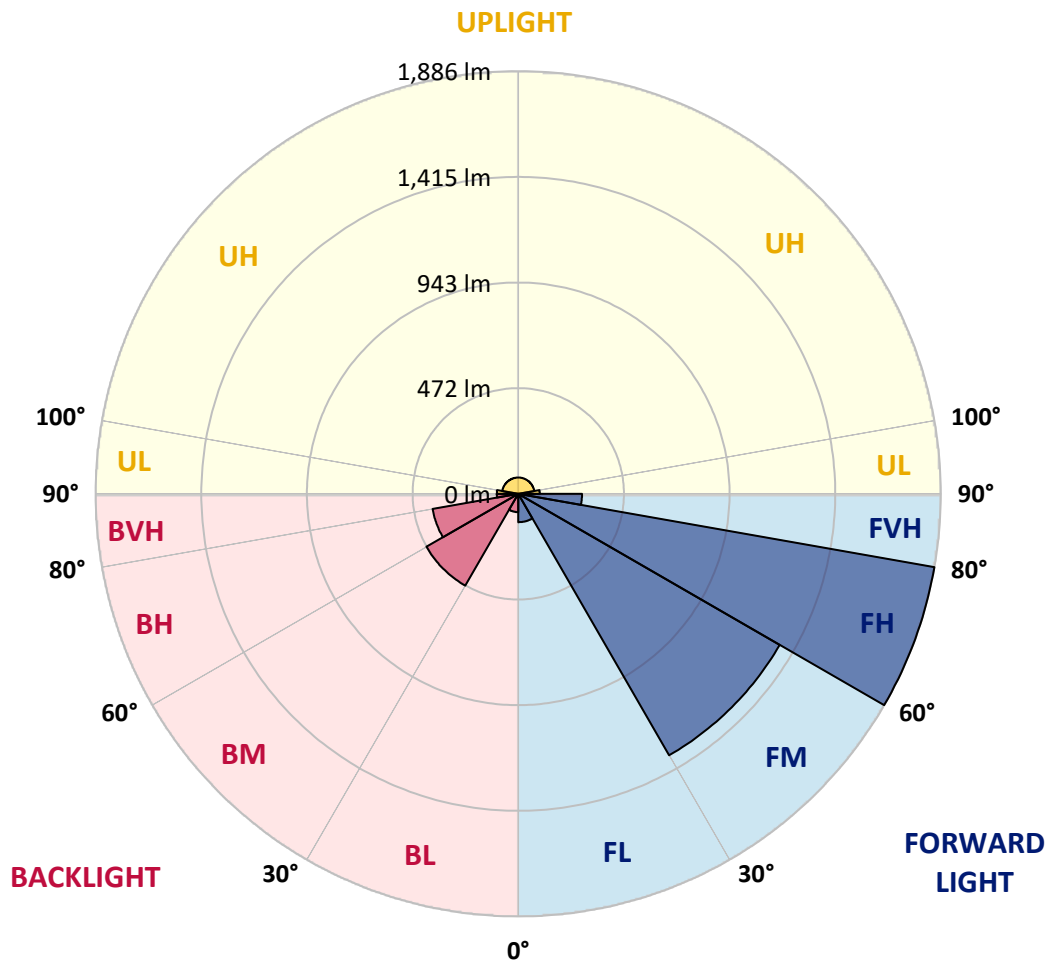


REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.7	2.6			
FM (30°-60°)	1347.3	27.8			
FH (60°-80°)	1886.0	38.9			G2/5000
FVH (80°-90°)	284.5	5.9			G3/500
BL (0°-30°)	81.8	1.7	B0/110		
BM (30°-60°)	473.1	9.8	B1/1000		
BH (60°-80°)	388.1	8.0	B1/500		G1/500
BVH (80°-90°)	96.0	2.0			G1/100
UL (90°-100°)	95.8	2.0		U3/500	
UH (100°-180°)	72.6	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	85.9	85.9	85.9	85.9	87.7	85.9	85.9	84.2	84.2	82.4	82.4
5°	98.2	98.2	98.2	98.2	98.2	96.5	94.7	93.0	91.2	89.4	89.4
7.5°	115.8	115.8	115.8	114.0	112.2	110.5	108.7	105.2	101.7	101.7	98.2
10°	140.3	140.3	140.3	138.6	133.3	129.8	126.3	121.0	119.3	117.5	114.0
12.5°	173.6	173.6	170.1	166.6	159.6	154.3	149.1	143.8	142.1	140.3	135.0
15°	215.7	214.0	210.5	199.9	192.9	184.2	178.9	173.6	168.4	168.4	166.6
17.5°	266.6	264.8	256.1	242.0	231.5	217.5	210.5	207.0	207.0	205.2	201.7
20°	328.0	328.0	315.7	294.7	273.6	256.1	250.8	249.1	249.1	250.8	245.5
22.5°	406.9	405.1	387.6	352.5	322.7	299.9	294.7	294.7	299.9	299.9	298.2
25°	494.6	492.8	461.3	422.7	375.3	350.8	338.5	347.3	359.5	361.3	363.1
27.5°	601.6	594.6	557.7	498.1	436.7	398.1	389.4	403.4	427.9	426.2	429.7
30°	712.1	708.6	657.7	584.0	501.6	449.0	442.0	468.3	496.4	498.1	506.9
32.5°	841.9	822.6	775.2	677.0	568.3	503.4	492.8	531.4	573.5	577.0	585.8
35°	971.7	969.9	892.7	777.0	638.4	554.2	545.5	591.1	650.7	652.4	664.7
37.5°	1103.2	1096.2	1022.5	875.2	715.6	612.1	598.1	657.7	724.4	727.9	745.4
40°	1241.8	1233.0	1154.1	980.4	796.3	675.2	659.5	729.6	806.8	813.8	834.9
42.5°	1362.8	1361.0	1285.6	1096.2	875.2	736.6	726.1	801.5	892.7	896.2	927.8
45°	1496.1	1473.3	1403.1	1211.9	973.4	812.1	801.5	894.5	998.0	1012.0	1038.3
47.5°	1601.3	1590.8	1525.9	1338.2	1073.4	894.5	884.0	994.5	1120.7	1133.0	1155.8
50°	1708.3	1696.0	1638.1	1457.5	1182.1	990.9	989.2	1120.7	1275.1	1294.4	1318.9
52.5°	1796.0	1789.0	1753.9	1585.5	1297.9	1087.4	1106.7	1269.8	1445.2	1459.2	1483.8
55°	1878.4	1873.2	1866.1	1727.6	1436.4	1215.4	1231.2	1436.4	1638.1	1664.4	1703.0
57.5°	1939.8	1948.6	1962.6	1866.1	1582.0	1343.5	1376.8	1639.9	1852.1	1876.7	1915.2
60°	1981.9	1995.9	2046.8	2004.7	1734.6	1485.5	1555.7	1827.6	2074.9	2102.9	2122.2
62.5°	1987.2	2010.0	2113.4	2122.2	1878.4	1634.6	1713.6	2027.5	2287.1	2292.3	2269.5
65°	1946.8	1964.4	2109.9	2194.1	2006.5	1780.2	1887.2	2232.7	2450.2	2462.5	2357.2
67.5°	1832.8	1859.1	2041.5	2209.9	2101.2	1901.2	2029.3	2367.8	2530.9	2539.6	2330.9
70°	1620.6	1667.9	1885.4	2118.7	2120.5	1967.9	2122.2	2425.6	2494.0	2483.5	2173.1
72.5°	1364.5	1376.8	1617.1	1929.3	2046.8	1966.1	2111.7	2355.5	2306.4	2287.1	1878.4
75°	998.0	1031.3	1255.8	1636.4	1871.4	1850.4	1987.2	2146.8	1978.4	1943.3	1531.1
77.5°	675.2	710.3	887.5	1255.8	1575.0	1643.4	1759.2	1806.5	1592.5	1562.7	1122.5
80°	424.4	449.0	573.5	876.9	1234.7	1341.7	1429.4	1399.6	1155.8	1127.8	798.0
82.5°	236.8	249.1	350.8	571.8	869.9	1020.8	1089.2	1015.5	796.3	764.7	517.4
85°	124.5	140.3	198.2	347.3	580.5	726.1	780.5	671.7	489.3	478.8	322.7
87.5°	68.4	75.4	114.0	208.7	359.5	492.8	517.4	422.7	303.4	289.4	205.2
90°	42.1	45.6	66.6	124.5	222.7	308.7	324.5	264.8	189.4	185.9	136.8
92.5°	28.1	29.8	45.6	80.7	140.3	198.2	208.7	164.9	124.5	121.0	98.2
95°	21.0	22.8	35.1	57.9	96.5	135.0	133.3	112.2	84.2	82.4	71.9
97.5°	17.5	19.3	29.8	45.6	70.2	91.2	91.2	73.7	61.4	61.4	56.1
100°	15.8	15.8	24.6	36.8	52.6	66.6	66.6	54.4	45.6	45.6	42.1
102.5°	14.0	14.0	21.0	31.6	42.1	52.6	50.9	42.1	35.1	35.1	33.3
105°	12.3	12.3	19.3	26.3	35.1	42.1	40.3	33.3	28.1	26.3	24.6
107.5°	10.5	10.5	15.8	22.8	31.6	35.1	33.3	28.1	21.0	21.0	19.3
110°	10.5	10.5	14.0	21.0	26.3	29.8	28.1	22.8	17.5	17.5	15.8

REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	8.8	8.8	12.3	17.5	22.8	26.3	24.6	19.3	14.0	14.0	14.0
115°	8.8	8.8	10.5	15.8	19.3	22.8	21.0	15.8	12.3	12.3	12.3
117.5°	8.8	8.8	10.5	14.0	17.5	19.3	17.5	14.0	10.5	10.5	10.5
120°	7.0	7.0	8.8	12.3	15.8	17.5	15.8	12.3	8.8	8.8	10.5
122.5°	7.0	7.0	8.8	10.5	14.0	15.8	14.0	10.5	8.8	8.8	8.8
125°	7.0	7.0	8.8	10.5	12.3	14.0	12.3	8.8	8.8	8.8	8.8
127.5°	7.0	7.0	7.0	8.8	10.5	12.3	10.5	8.8	7.0	7.0	8.8
130°	7.0	7.0	7.0	8.8	10.5	10.5	8.8	7.0	7.0	7.0	8.8
132.5°	7.0	7.0	7.0	7.0	8.8	8.8	8.8	7.0	7.0	7.0	7.0
135°	7.0	7.0	7.0	7.0	8.8	8.8	7.0	7.0	7.0	7.0	7.0
137.5°	7.0	5.3	5.3	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0
140°	5.3	5.3	5.3	5.3	7.0	7.0	5.3	5.3	5.3	5.3	5.3
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
145°	5.3	5.3	5.3	3.5	5.3	5.3	3.5	3.5	3.5	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	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: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	82.4	80.7	80.7	80.7	80.7	78.9	78.9	78.9	78.9	77.2	78.9
5°	87.7	87.7	85.9	82.4	82.4	80.7	80.7	78.9	78.9	77.2	77.2
7.5°	98.2	96.5	93.0	91.2	87.7	85.9	84.2	82.4	82.4	80.7	80.7
10°	112.2	110.5	105.2	101.7	98.2	94.7	93.0	91.2	89.4	87.7	87.7
12.5°	133.3	129.8	124.5	115.8	112.2	107.0	103.5	101.7	101.7	101.7	100.0
15°	163.1	157.9	149.1	138.6	128.0	121.0	119.3	119.3	119.3	121.0	121.0
17.5°	198.2	191.2	180.7	163.1	149.1	140.3	138.6	138.6	140.3	143.8	143.8
20°	242.0	233.3	217.5	194.7	173.6	161.4	157.9	161.4	168.4	170.1	170.1
22.5°	292.9	285.9	259.6	226.3	199.9	184.2	180.7	184.2	192.9	199.9	201.7
25°	354.3	343.8	306.9	263.1	226.3	207.0	201.7	210.5	222.7	233.3	233.3
27.5°	422.7	410.4	359.5	301.7	252.6	226.3	221.0	233.3	254.3	266.6	268.3
30°	496.4	477.1	410.4	338.5	275.4	243.8	240.3	257.8	282.4	298.2	299.9
32.5°	577.0	545.5	463.0	371.8	296.4	256.1	254.3	277.1	306.9	326.2	328.0
35°	652.4	617.4	510.4	396.4	310.4	264.8	264.8	291.1	326.2	345.5	347.3
37.5°	726.1	680.5	550.7	415.7	317.5	268.3	270.1	301.7	336.7	356.0	357.8
40°	806.8	748.9	585.8	424.4	319.2	270.1	273.6	306.9	338.5	357.8	357.8
42.5°	891.0	820.8	608.6	424.4	315.7	268.3	271.9	305.2	335.0	349.0	350.8
45°	989.2	898.0	624.4	417.4	308.7	263.1	268.3	301.7	324.5	331.5	333.2
47.5°	1101.4	978.7	636.7	406.9	299.9	257.8	264.8	292.9	312.2	312.2	312.2
50°	1243.5	1069.9	647.2	389.4	289.4	252.6	259.6	285.9	296.4	292.9	292.9
52.5°	1397.9	1169.8	654.2	371.8	278.9	245.5	254.3	278.9	284.1	275.4	275.4
55°	1569.7	1287.4	654.2	354.3	268.3	240.3	250.8	271.9	273.6	264.8	261.3
57.5°	1734.6	1380.3	645.4	335.0	257.8	235.0	247.3	268.3	268.3	259.6	257.8
60°	1881.9	1466.3	631.4	317.5	250.8	231.5	247.3	266.6	266.6	259.6	259.6
62.5°	1987.2	1494.3	596.3	301.7	243.8	231.5	249.1	268.3	270.1	266.6	264.8
65°	2013.5	1480.3	556.0	284.1	236.8	229.8	252.6	273.6	275.4	273.6	273.6
67.5°	1939.8	1376.8	494.6	270.1	231.5	229.8	254.3	277.1	278.9	278.9	278.9
70°	1748.6	1222.5	438.5	254.3	226.3	228.0	257.8	280.6	280.6	280.6	280.6
72.5°	1478.5	1026.0	380.6	240.3	217.5	224.5	257.8	278.9	278.9	277.1	277.1
75°	1168.1	812.1	326.2	226.3	207.0	217.5	254.3	273.6	271.9	270.1	268.3
77.5°	864.7	603.3	273.6	207.0	194.7	208.7	243.8	261.3	259.6	257.8	254.3
80°	596.3	420.9	228.0	187.7	178.9	194.7	228.0	243.8	242.0	238.5	238.5
82.5°	387.6	289.4	184.2	164.9	161.4	178.9	210.5	222.7	219.2	215.7	214.0
85°	250.8	196.4	147.3	140.3	143.8	159.6	184.2	194.7	192.9	189.4	185.9
87.5°	164.9	140.3	115.8	115.8	122.8	140.3	157.9	163.1	161.4	161.4	157.9
90°	115.8	105.2	94.7	96.5	105.2	121.0	129.8	131.5	129.8	131.5	128.0
92.5°	85.9	80.7	77.2	80.7	89.4	101.7	107.0	103.5	105.2	105.2	103.5
95°	66.6	64.9	64.9	68.4	77.2	85.9	87.7	82.4	85.9	85.9	84.2
97.5°	52.6	52.6	54.4	57.9	64.9	71.9	71.9	68.4	70.2	70.2	70.2
100°	42.1	42.1	45.6	49.1	56.1	61.4	59.6	56.1	57.9	56.1	54.4
102.5°	33.3	35.1	38.6	42.1	47.4	50.9	50.9	47.4	47.4	45.6	45.6
105°	26.3	28.1	31.6	36.8	40.3	43.8	43.8	40.3	36.8	35.1	35.1
107.5°	21.0	22.8	26.3	29.8	35.1	36.8	36.8	33.3	29.8	26.3	26.3
110°	17.5	19.3	22.8	26.3	29.8	31.6	31.6	28.1	24.6	21.0	21.0

REPORT NUMBER: P695779
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.8	15.8	19.3	22.8	24.6	26.3	26.3	24.6	19.3	17.5	17.5
115°	12.3	14.0	15.8	19.3	21.0	22.8	22.8	19.3	15.8	14.0	14.0
117.5°	12.3	12.3	14.0	17.5	19.3	21.0	19.3	17.5	14.0	12.3	12.3
120°	10.5	12.3	14.0	14.0	17.5	17.5	17.5	14.0	12.3	12.3	12.3
122.5°	10.5	10.5	12.3	14.0	14.0	15.8	15.8	12.3	10.5	10.5	10.5
125°	8.8	10.5	10.5	12.3	14.0	14.0	14.0	10.5	10.5	10.5	10.5
127.5°	8.8	8.8	10.5	10.5	12.3	12.3	12.3	10.5	8.8	8.8	8.8
130°	8.8	8.8	8.8	8.8	10.5	10.5	10.5	8.8	8.8	8.8	8.8
132.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.0	8.8	8.8
135°	7.0	7.0	7.0	7.0	8.8	8.8	7.0	7.0	7.0	7.0	7.0
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
140°	7.0	7.0	7.0	5.3	7.0	7.0	5.3	5.3	5.3	7.0	7.0
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
145°	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	3.5
150°	3.5	3.5	3.5	3.5	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

(END OF REPORT)