

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: P695757

Luminaire Tested: **LXF.LXT-PA16-60-827-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4791 lumens
Efficiency: N/A
Efficacy: 77.3 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 - G2

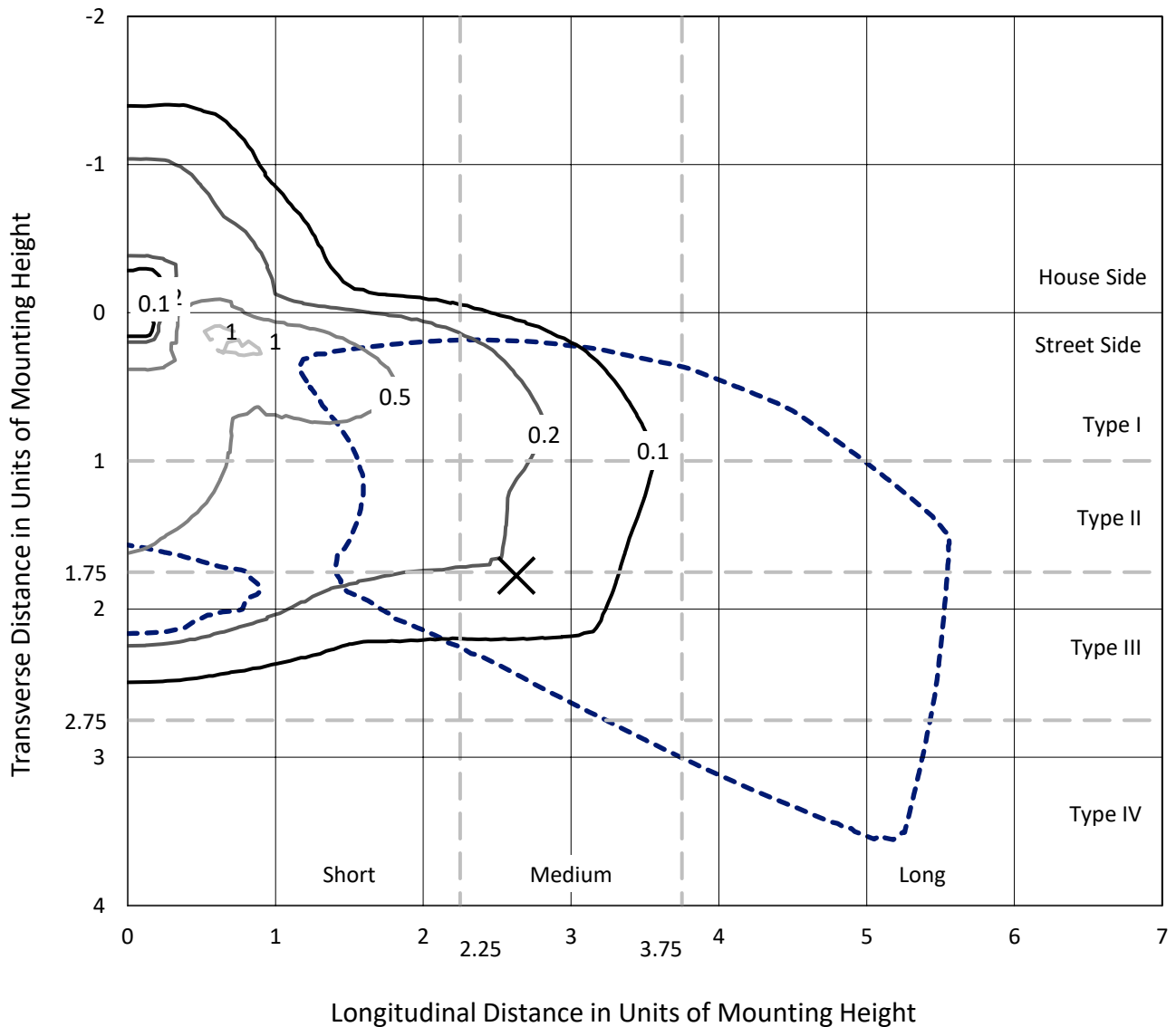
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

Iso-Footcandle Lines of Horizontal Illumination

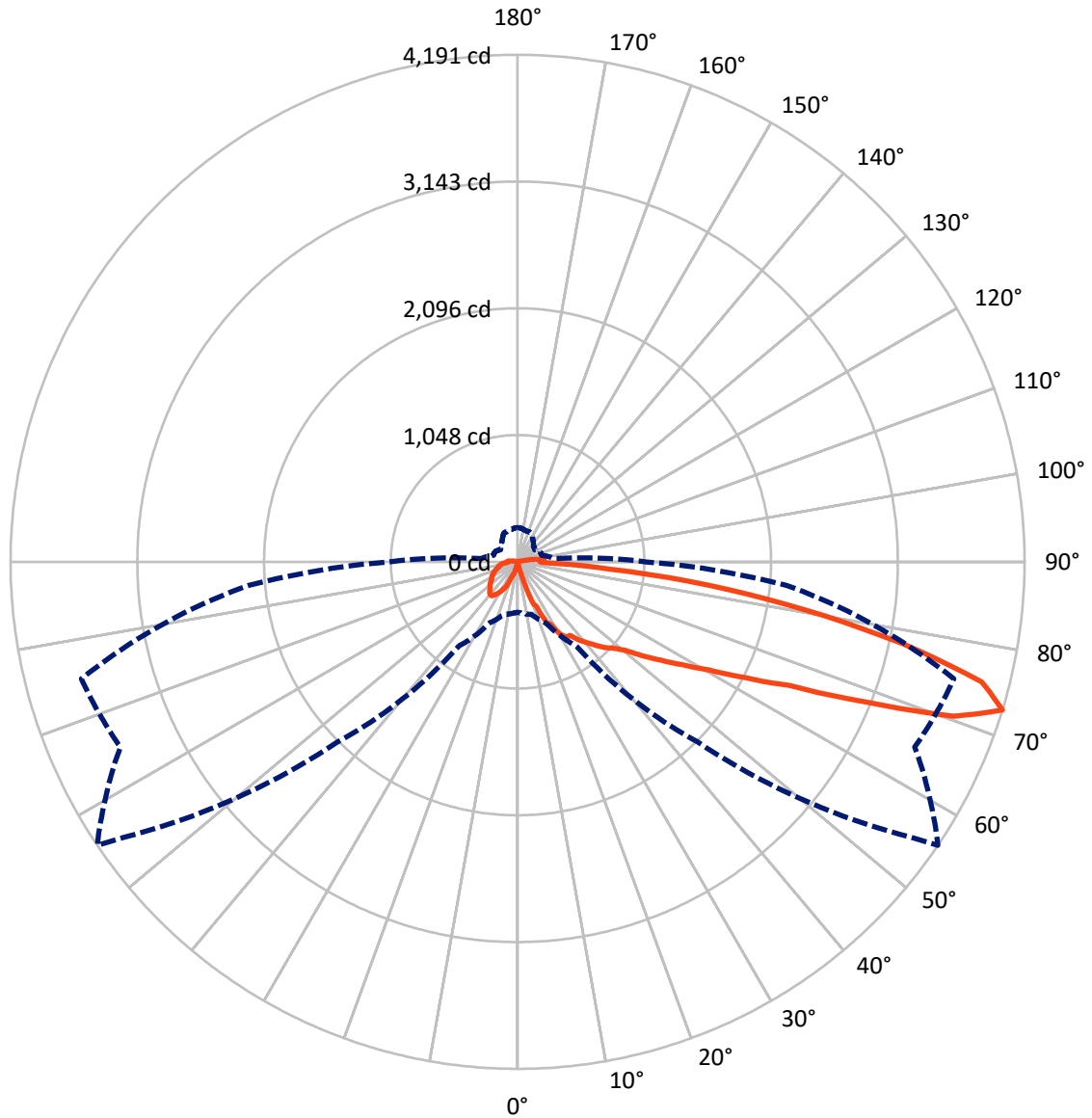
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695757
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

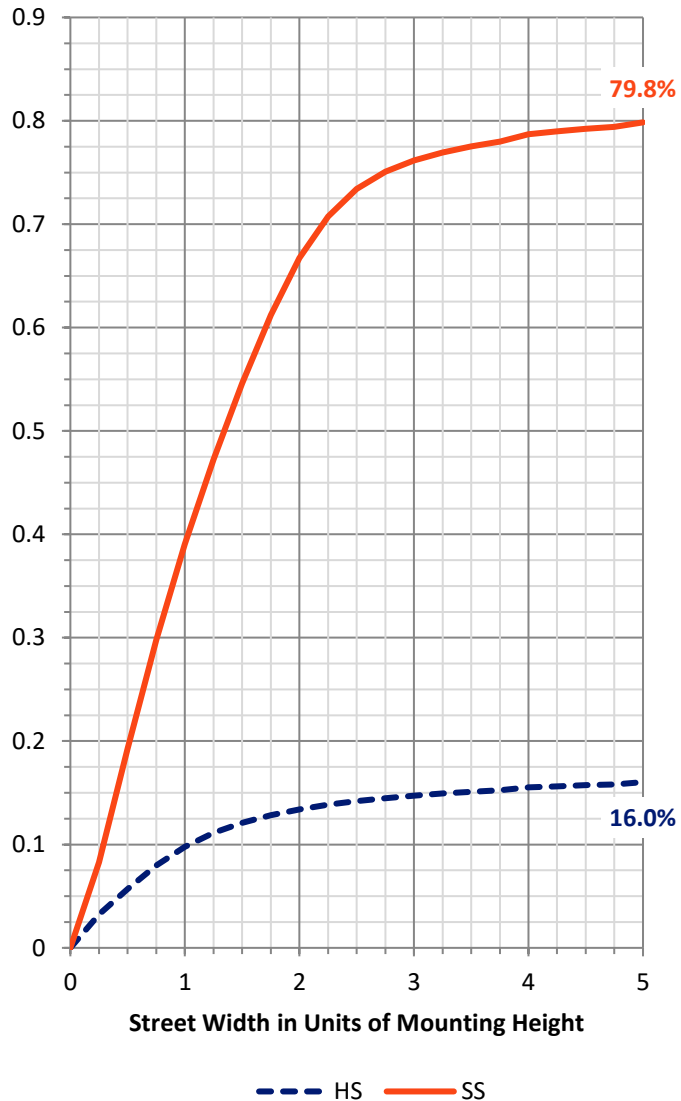
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.4	51.9	870.3
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	3866.1	54.7	3920.7
	% Fixture	80.7	1.1	81.8
Total	Lumens	4684.5	106.5	4791.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	39.4	0.8
20°-30°	185.2	3.9
30°-40°	407.8	8.5
40°-50°	611.4	12.8
50°-60°	900.4	18.8
60°-70°	1250.2	26.1
70°-80°	1007.3	21.0
80°-90°	282.2	5.9
90°-100°	76.0	1.6
100°-110°	14.7	0.3
110°-120°	5.7	0.1
120°-130°	4.4	0.1
130°-140°	3.1	0.1
140°-150°	2.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4684.5	97.8
0°-180°	4791.0	100.0

Coefficient of Utilization

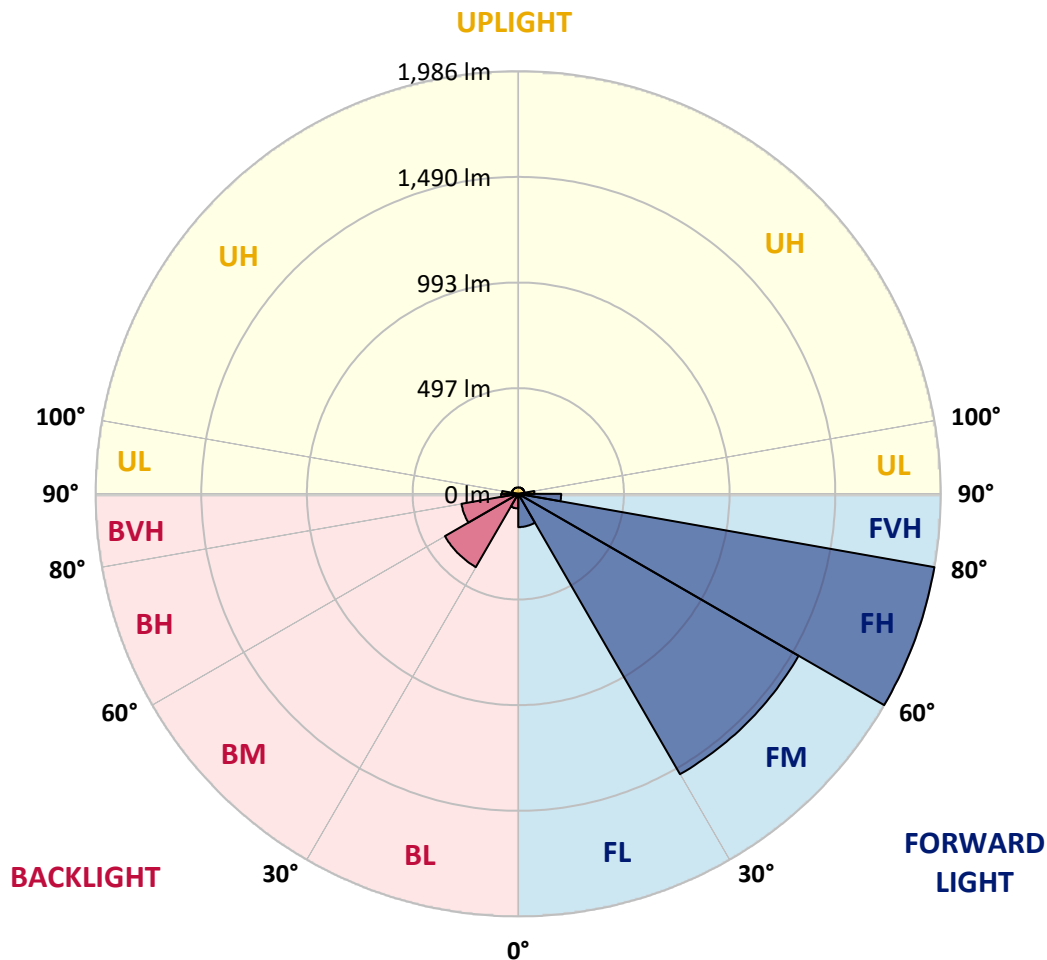


REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.5	3.3			
FM (30°-60°)	1521.7	31.8			
FH (60°-80°)	1986.5	41.5			G2/5000
FVH (80°-90°)	201.5	4.2			G2/225
BL (0°-30°)	68.7	1.4	B0/110		
BM (30°-60°)	397.9	8.3	B1/1000		
BH (60°-80°)	271.0	5.7	B1/500		G1/500
BVH (80°-90°)	80.8	1.7			G1/100
UL (90°-100°)	76.0	1.6		U3/500	
UH (100°-180°)	30.5	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
5°	5.3	5.3	5.3	5.3	7.0	7.0	5.3	5.3	5.3	5.3	5.3
7.5°	8.8	8.8	7.0	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3
10°	50.9	49.1	43.9	29.8	17.5	8.8	7.0	7.0	7.0	7.0	8.8
12.5°	222.8	221.1	222.8	208.8	56.1	29.8	14.0	14.0	21.1	28.1	36.8
15°	235.1	236.8	236.8	229.8	229.8	98.2	54.4	75.4	215.8	235.1	229.8
17.5°	308.8	298.2	256.1	245.6	250.9	249.1	215.8	215.8	250.9	264.9	261.4
20°	363.2	363.2	364.9	361.4	268.4	343.9	370.2	371.9	296.5	410.5	443.9
22.5°	407.0	410.5	393.0	378.9	408.8	356.1	401.7	401.7	501.7	563.2	540.3
25°	564.9	563.2	531.6	424.6	424.6	431.6	545.6	556.1	628.1	626.3	601.7
27.5°	650.9	650.9	615.8	552.6	470.2	493.0	561.4	586.0	712.3	905.3	819.3
30°	878.9	882.4	805.3	659.6	568.4	524.6	650.9	694.7	893.0	950.9	850.9
32.5°	945.6	947.4	952.6	843.8	657.9	582.4	710.5	742.1	957.9	1203.5	1071.9
35°	964.9	968.4	968.4	891.2	824.6	677.2	722.8	745.6	1140.3	1268.4	1073.7
37.5°	1028.1	1026.3	1012.3	922.8	889.5	749.1	798.2	821.0	1215.8	1364.9	1068.4
40°	1117.5	1117.5	1094.7	984.2	915.8	822.8	850.9	875.4	1303.5	1478.9	1071.9
42.5°	1221.0	1212.3	1186.0	1054.4	957.9	868.4	921.0	942.1	1394.7	1622.8	1077.2
45°	1345.6	1336.8	1284.2	1152.6	1031.6	887.7	971.9	1012.3	1498.2	1775.4	1108.8
47.5°	1464.9	1461.4	1401.7	1250.9	1105.3	915.8	1010.5	1066.7	1622.8	1970.2	1170.2
50°	1612.3	1594.7	1517.5	1347.4	1171.9	970.2	1110.5	1147.4	1754.4	2157.9	1263.1
52.5°	1745.6	1714.0	1633.3	1445.6	1252.6	1045.6	1263.1	1287.7	1905.2	2354.4	1370.2
55°	1875.4	1829.8	1719.3	1547.4	1329.8	1133.3	1428.1	1433.3	2077.2	2556.1	1501.7
57.5°	2070.2	2022.8	1863.1	1642.1	1431.6	1245.6	1587.7	1605.2	2247.3	2782.4	1656.1
60°	2340.3	2307.0	2114.0	1866.6	1612.3	1394.7	1778.9	1814.0	2415.8	3008.7	1808.8
62.5°	2443.8	2405.2	2259.6	2087.7	1870.2	1663.1	2015.8	2110.5	2568.4	3236.8	1985.9
65°	2163.1	2163.1	2085.9	2096.5	2031.6	2093.0	2352.6	2463.1	2747.3	3417.5	2138.6
67.5°	1407.0	1414.0	1463.1	1671.9	1903.5	2440.3	2933.3	3085.9	3019.3	3612.2	2266.6
70°	638.6	663.2	770.2	1059.6	1449.1	2461.4	3601.7	3824.5	3335.0	3745.6	2312.3
72.5°	417.5	426.3	450.9	559.6	852.6	2108.7	3971.9	4191.2	3622.8	3733.3	2229.8
75°	349.1	343.9	357.9	396.5	429.8	1447.4	3778.9	3961.4	3585.9	3512.2	2029.8
77.5°	289.5	284.2	298.2	319.3	254.4	794.7	3142.1	3247.3	3101.7	3001.7	1656.1
80°	222.8	222.8	229.8	257.9	186.0	386.0	2335.1	2414.0	2296.5	2143.8	991.2
82.5°	152.6	150.9	166.7	198.2	149.1	222.8	1594.7	1596.5	1371.9	1043.8	466.7
85°	68.4	68.4	82.5	114.0	87.7	138.6	728.1	754.4	466.7	333.3	208.8
87.5°	22.8	22.8	24.6	28.1	29.8	64.9	203.5	207.0	180.7	205.3	154.4
90°	21.1	21.1	21.1	21.1	22.8	63.2	182.5	182.5	161.4	191.2	154.4
92.5°	21.1	21.1	19.3	17.5	19.3	57.9	201.8	217.5	177.2	200.0	161.4
95°	21.1	21.1	17.5	15.8	17.5	42.1	201.8	215.8	186.0	173.7	145.6
97.5°	14.0	14.0	12.3	12.3	14.0	24.6	147.4	152.6	119.3	87.7	87.7
100°	12.3	12.3	8.8	8.8	10.5	14.0	78.9	84.2	57.9	28.1	28.1
102.5°	12.3	12.3	7.0	7.0	7.0	8.8	22.8	24.6	21.1	12.3	14.0
105°	14.0	14.0	7.0	5.3	5.3	7.0	10.5	10.5	12.3	10.5	14.0
107.5°	12.3	12.3	5.3	5.3	5.3	5.3	5.3	5.3	7.0	10.5	14.0
110°	8.8	7.0	5.3	5.3	3.5	5.3	5.3	5.3	5.3	8.8	12.3

REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	5.3	5.3	3.5	3.5	3.5	5.3	3.5	3.5	5.3	7.0	10.5
115°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	8.8
117.5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	10.5
120°	5.3	5.3	3.5	1.8	3.5	3.5	3.5	3.5	3.5	7.0	10.5
122.5°	5.3	5.3	3.5	1.8	3.5	3.5	3.5	3.5	3.5	7.0	10.5
125°	5.3	5.3	3.5	1.8	3.5	1.8	3.5	3.5	3.5	7.0	8.8
127.5°	5.3	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	5.3	8.8
130°	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	5.3	8.8
132.5°	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	5.3	7.0
135°	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5	5.3
137.5°	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	3.5	5.3
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
147.5°	3.5	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
150°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
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: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	5.3	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3
5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
7.5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
10°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
12.5°	42.1	36.8	28.1	15.8	7.0	3.5	3.5	3.5	5.3	7.0	7.0
15°	219.3	205.3	164.9	108.8	35.1	8.8	5.3	15.8	49.1	66.7	64.9
17.5°	250.9	229.8	171.9	119.3	96.5	43.9	45.6	82.5	96.5	103.5	101.8
20°	433.3	357.9	212.3	138.6	112.3	105.3	93.0	105.3	119.3	128.1	129.8
22.5°	493.0	410.5	252.6	207.0	143.9	149.1	138.6	133.3	189.5	203.5	207.0
25°	533.3	426.3	264.9	233.3	219.3	173.7	191.2	196.5	219.3	228.1	229.8
27.5°	684.2	501.7	326.3	266.7	245.6	219.3	226.3	226.3	250.9	293.0	294.7
30°	675.4	471.9	342.1	312.3	275.4	257.9	247.4	287.7	319.3	328.1	329.8
32.5°	791.2	510.5	382.5	329.8	307.0	273.7	293.0	315.8	335.1	359.6	373.7
35°	724.6	461.4	398.2	370.2	324.6	300.0	317.5	338.6	403.5	424.6	424.6
37.5°	650.9	421.0	384.2	373.7	349.1	319.3	324.6	382.5	412.3	403.5	403.5
40°	584.2	393.0	371.9	366.7	350.9	319.3	343.9	371.9	400.0	393.0	393.0
42.5°	542.1	375.4	359.6	356.1	343.9	314.0	333.3	366.7	398.2	386.0	384.2
45°	526.3	359.6	350.9	343.9	324.6	301.8	326.3	370.2	394.7	380.7	378.9
47.5°	542.1	350.9	342.1	333.3	308.8	282.5	329.8	364.9	387.7	366.7	363.2
50°	593.0	350.9	331.6	319.3	296.5	282.5	324.6	352.6	370.2	345.6	340.3
52.5°	659.6	357.9	321.0	303.5	284.2	280.7	317.5	345.6	356.1	329.8	328.1
55°	750.9	370.2	307.0	291.2	264.9	273.7	317.5	347.4	343.9	314.0	312.3
57.5°	843.8	384.2	294.7	282.5	252.6	264.9	314.0	349.1	328.1	291.2	291.2
60°	943.8	401.7	278.9	271.9	243.9	252.6	303.5	345.6	312.3	273.7	273.7
62.5°	1043.8	410.5	266.7	261.4	233.3	240.3	291.2	335.1	307.0	270.2	270.2
65°	1124.5	401.7	254.4	247.4	219.3	226.3	273.7	326.3	298.2	271.9	273.7
67.5°	1170.2	377.2	242.1	236.8	205.3	212.3	252.6	307.0	284.2	270.2	273.7
70°	1149.1	335.1	226.3	219.3	191.2	200.0	233.3	284.2	275.4	270.2	275.4
72.5°	1057.9	303.5	207.0	203.5	173.7	186.0	221.1	264.9	264.9	280.7	282.5
75°	942.1	270.2	191.2	187.7	161.4	170.2	215.8	242.1	247.4	268.4	273.7
77.5°	764.9	226.3	168.4	171.9	157.9	157.9	205.3	228.1	233.3	257.9	259.6
80°	468.4	166.7	145.6	154.4	145.6	150.9	193.0	212.3	215.8	249.1	252.6
82.5°	233.3	117.5	124.6	136.8	129.8	149.1	184.2	201.8	219.3	252.6	254.4
85°	119.3	71.9	94.7	110.5	112.3	164.9	180.7	208.8	205.3	228.1	233.3
87.5°	75.4	36.8	54.4	59.6	84.2	156.1	159.6	171.9	168.4	194.7	194.7
90°	73.7	29.8	47.4	45.6	84.2	133.3	122.8	124.6	133.3	164.9	166.7
92.5°	77.2	28.1	49.1	45.6	89.5	105.3	98.2	94.7	105.3	124.6	128.1
95°	68.4	26.3	52.6	49.1	77.2	70.2	63.2	70.2	68.4	68.4	70.2
97.5°	40.4	19.3	50.9	49.1	61.4	36.8	42.1	52.6	40.4	29.8	28.1
100°	17.5	12.3	49.1	47.4	38.6	22.8	35.1	43.9	29.8	12.3	12.3
102.5°	10.5	10.5	35.1	43.9	22.8	12.3	26.3	29.8	17.5	10.5	10.5
105°	10.5	10.5	17.5	26.3	8.8	7.0	12.3	14.0	8.8	8.8	8.8
107.5°	10.5	10.5	8.8	8.8	7.0	7.0	7.0	7.0	7.0	8.8	8.8
110°	10.5	10.5	7.0	8.8	7.0	5.3	5.3	5.3	7.0	8.8	8.8

REPORT NUMBER: P695757
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.8	7.0	7.0	5.3	5.3	5.3	5.3	7.0	8.8	8.8
115°	8.8	8.8	7.0	5.3	5.3	5.3	5.3	5.3	7.0	8.8	8.8
117.5°	8.8	7.0	5.3	5.3	5.3	5.3	5.3	5.3	7.0	10.5	10.5
120°	8.8	7.0	5.3	5.3	3.5	3.5	5.3	5.3	7.0	10.5	10.5
122.5°	8.8	8.8	5.3	5.3	3.5	3.5	3.5	5.3	7.0	10.5	10.5
125°	8.8	7.0	5.3	5.3	3.5	3.5	3.5	3.5	7.0	10.5	10.5
127.5°	8.8	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	10.5	10.5
130°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	8.8	10.5
132.5°	7.0	5.3	3.5	3.5	3.5	3.5	3.5	3.5	5.3	8.8	8.8
135°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	5.3	7.0	7.0
137.5°	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
140°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	3.5	5.3	5.3
142.5°	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	5.3	5.3	5.3
145°	5.3	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
147.5°	5.3	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
150°	5.3	5.3	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
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

(END OF REPORT)