

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: P694789

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694789
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-PA16-30-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA 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: 3009 lumens
Efficiency: N/A
Efficacy: 103.0 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

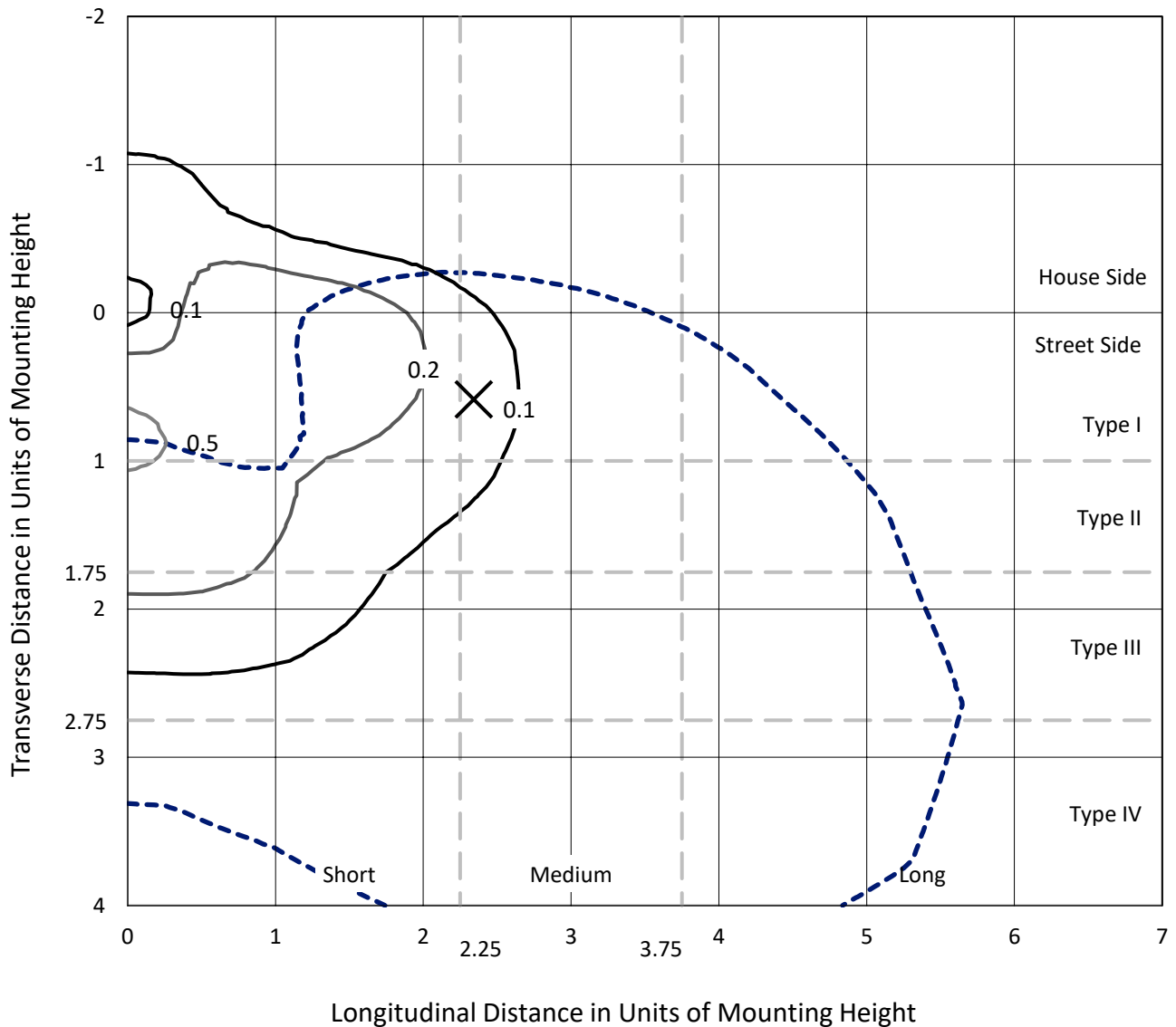
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

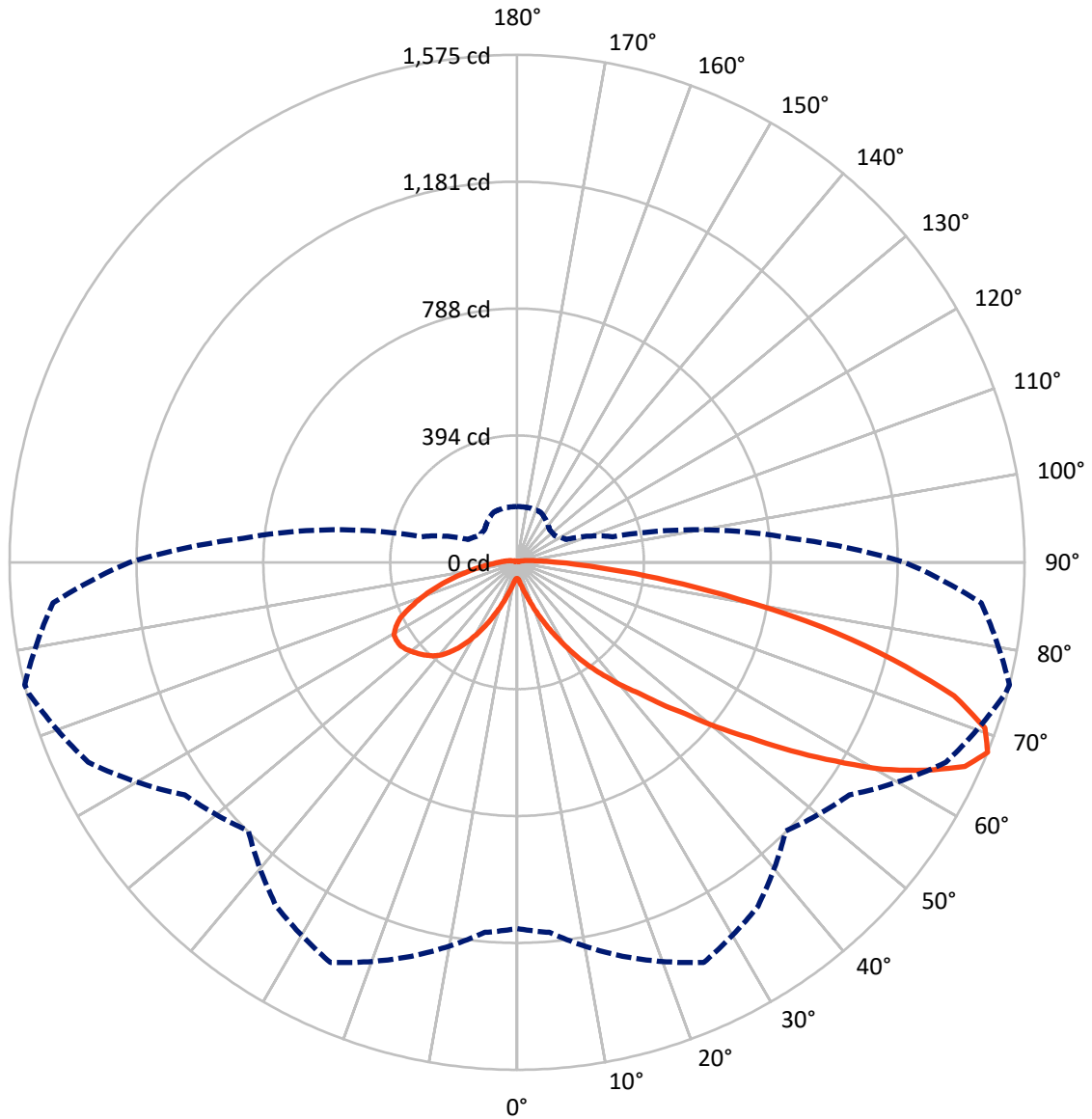
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P694789
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

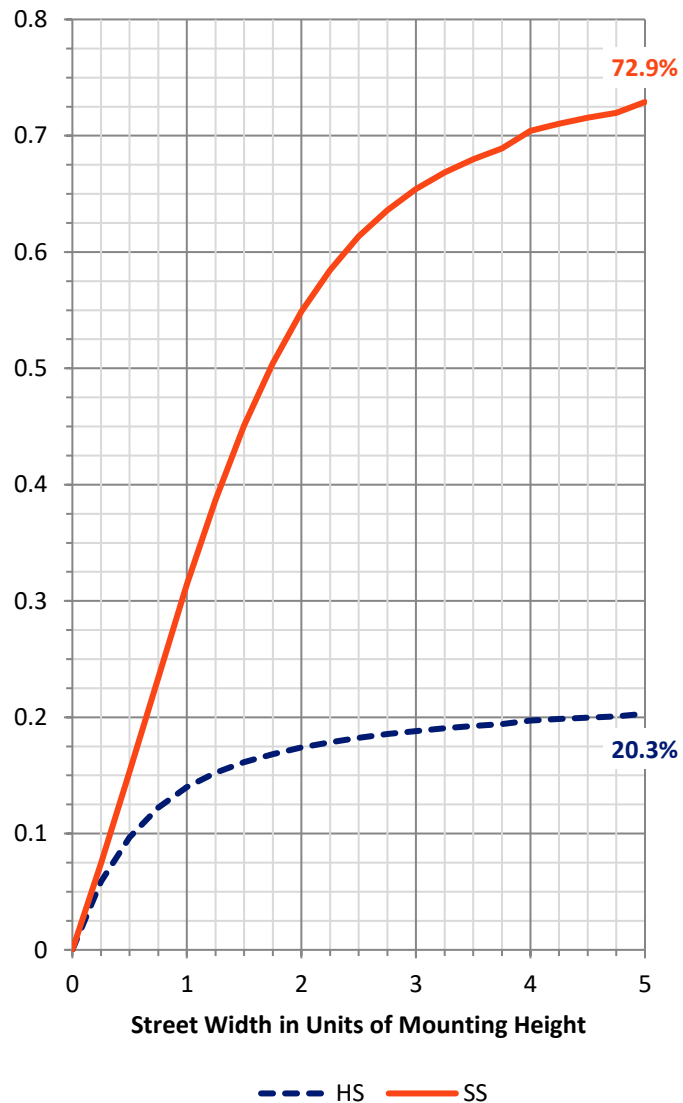
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	644.4	52.0	696.4
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	2260.1	52.5	2312.7
	% Fixture	75.1	1.7	76.9
Total	Lumens	2904.5	104.5	3009.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	29.7	1.0
20°-30°	93.9	3.1
30°-40°	209.3	7.0
40°-50°	359.2	11.9
50°-60°	560.4	18.6
60°-70°	767.3	25.5
70°-80°	643.0	21.4
80°-90°	236.0	7.8
90°-100°	59.4	2.0
100°-110°	22.6	0.8
110°-120°	10.8	0.4
120°-130°	6.1	0.2
130°-140°	3.6	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2904.5	96.5
0°-180°	3009.0	100.0

Coefficient of Utilization

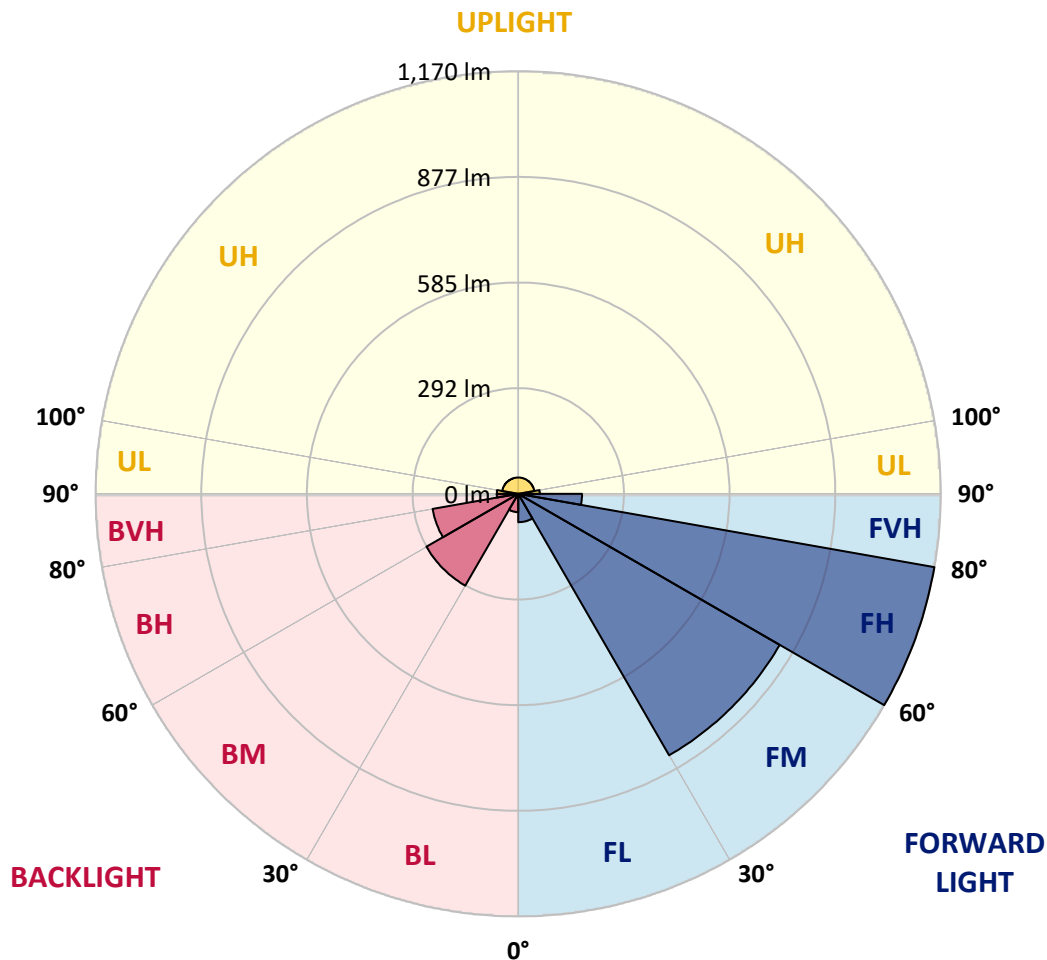


REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.6	2.6			
FM (30°-60°)	835.5	27.8			
FH (60°-80°)	1169.6	38.9			G1/1800
FVH (80°-90°)	176.4	5.9			G2/225
BL (0°-30°)	50.7	1.7	B0/110		
BM (30°-60°)	293.4	9.8	B1/1000		
BH (60°-80°)	240.7	8.0	B1/500		G1/500
BVH (80°-90°)	59.6	2.0			G1/100
UL (90°-100°)	59.4	2.0		U3/500	
UH (100°-180°)	45.1	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	53.3	53.3	53.3	53.3	54.4	53.3	53.3	52.2	52.2	51.1	51.1
5°	60.9	60.9	60.9	60.9	60.9	59.8	58.7	57.6	56.6	55.5	55.5
7.5°	71.8	71.8	71.8	70.7	69.6	68.5	67.4	65.3	63.1	63.1	60.9
10°	87.0	87.0	87.0	85.9	82.7	80.5	78.3	75.1	74.0	72.9	70.7
12.5°	107.7	107.7	105.5	103.3	99.0	95.7	92.5	89.2	88.1	87.0	83.8
15°	133.8	132.7	130.5	124.0	119.6	114.2	110.9	107.7	104.4	104.4	103.3
17.5°	165.3	164.2	158.8	150.1	143.6	134.9	130.5	128.3	128.3	127.3	125.1
20°	203.4	203.4	195.8	182.7	169.7	158.8	155.5	154.5	154.5	155.5	152.3
22.5°	252.3	251.3	240.4	218.6	200.1	186.0	182.7	182.7	186.0	186.0	184.9
25°	306.7	305.6	286.1	262.1	232.8	217.5	209.9	215.4	223.0	224.1	225.2
27.5°	373.1	368.7	345.9	308.9	270.8	246.9	241.5	250.2	265.4	264.3	266.5
30°	441.6	439.4	407.9	362.2	311.1	278.4	274.1	290.4	307.8	308.9	314.3
32.5°	522.1	510.1	480.8	419.8	352.4	312.2	305.6	329.6	355.7	357.8	363.3
35°	602.6	601.5	553.6	481.8	395.9	343.7	338.3	366.6	403.5	404.6	412.2
37.5°	684.2	679.8	634.1	542.8	443.8	379.6	370.9	407.9	449.2	451.4	462.3
40°	770.1	764.6	715.7	608.0	493.8	418.8	409.0	452.5	500.3	504.7	517.7
42.5°	845.1	844.0	797.3	679.8	542.8	456.8	450.3	497.1	553.6	555.8	575.4
45°	927.8	913.7	870.1	751.6	603.7	503.6	497.1	554.7	618.9	627.6	643.9
47.5°	993.1	986.5	946.3	829.9	665.7	554.7	548.2	616.7	695.0	702.6	716.8
50°	1059.4	1051.8	1015.9	903.9	733.1	614.5	613.5	695.0	790.7	802.7	817.9
52.5°	1113.8	1109.4	1087.7	983.3	804.9	674.4	686.3	787.5	896.3	905.0	920.2
55°	1164.9	1161.6	1157.3	1071.4	890.8	753.8	763.6	890.8	1015.9	1032.2	1056.1
57.5°	1203.0	1208.4	1217.1	1157.3	981.1	833.2	853.8	1017.0	1148.6	1163.8	1187.8
60°	1229.1	1237.8	1269.3	1243.2	1075.7	921.3	964.8	1133.4	1286.7	1304.1	1316.1
62.5°	1232.3	1246.5	1310.7	1316.1	1164.9	1013.7	1062.7	1257.4	1418.3	1421.6	1407.5
65°	1207.3	1218.2	1308.5	1360.7	1244.3	1104.0	1170.4	1384.6	1519.5	1527.1	1461.9
67.5°	1136.6	1152.9	1266.1	1370.5	1303.0	1179.1	1258.5	1468.4	1569.5	1575.0	1445.5
70°	1005.0	1034.4	1169.3	1313.9	1315.0	1220.4	1316.1	1504.3	1546.7	1540.2	1347.6
72.5°	846.2	853.8	1002.8	1196.5	1269.3	1219.3	1309.6	1460.8	1430.3	1418.3	1164.9
75°	618.9	639.6	778.8	1014.8	1160.6	1147.5	1232.3	1331.3	1226.9	1205.2	949.6
77.5°	418.8	440.5	550.4	778.8	976.7	1019.2	1090.9	1120.3	987.6	969.1	696.1
80°	263.2	278.4	355.7	543.8	765.7	832.1	886.5	868.0	716.8	699.4	494.9
82.5°	146.8	154.5	217.5	354.6	539.5	633.0	675.5	629.8	493.8	474.2	320.9
85°	77.2	87.0	122.9	215.4	360.0	450.3	484.0	416.6	303.5	296.9	200.1
87.5°	42.4	46.8	70.7	129.4	223.0	305.6	320.9	262.1	188.2	179.5	127.3
90°	26.1	28.3	41.3	77.2	138.1	191.4	201.2	164.2	117.5	115.3	84.8
92.5°	17.4	18.5	28.3	50.0	87.0	122.9	129.4	102.2	77.2	75.1	60.9
95°	13.1	14.1	21.8	35.9	59.8	83.8	82.7	69.6	52.2	51.1	44.6
97.5°	10.9	12.0	18.5	28.3	43.5	56.6	56.6	45.7	38.1	38.1	34.8
100°	9.8	9.8	15.2	22.8	32.6	41.3	41.3	33.7	28.3	28.3	26.1
102.5°	8.7	8.7	13.1	19.6	26.1	32.6	31.5	26.1	21.8	21.8	20.7
105°	7.6	7.6	12.0	16.3	21.8	26.1	25.0	20.7	17.4	16.3	15.2
107.5°	6.5	6.5	9.8	14.1	19.6	21.8	20.7	17.4	13.1	13.1	12.0
110°	6.5	6.5	8.7	13.1	16.3	18.5	17.4	14.1	10.9	10.9	9.8

REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	5.4	5.4	7.6	10.9	14.1	16.3	15.2	12.0	8.7	8.7	8.7
115°	5.4	5.4	6.5	9.8	12.0	14.1	13.1	9.8	7.6	7.6	7.6
117.5°	5.4	5.4	6.5	8.7	10.9	12.0	10.9	8.7	6.5	6.5	6.5
120°	4.4	4.4	5.4	7.6	9.8	10.9	9.8	7.6	5.4	5.4	6.5
122.5°	4.4	4.4	5.4	6.5	8.7	9.8	8.7	6.5	5.4	5.4	5.4
125°	4.4	4.4	5.4	6.5	7.6	8.7	7.6	5.4	5.4	5.4	5.4
127.5°	4.4	4.4	4.4	5.4	6.5	7.6	6.5	5.4	4.4	4.4	5.4
130°	4.4	4.4	4.4	5.4	6.5	6.5	5.4	4.4	4.4	4.4	5.4
132.5°	4.4	4.4	4.4	4.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4
137.5°	4.4	3.3	3.3	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4
140°	3.3	3.3	3.3	3.3	4.4	4.4	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	2.2	3.3	3.3	2.2	2.2	2.2	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	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: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	51.1	50.0	50.0	50.0	50.0	48.9	48.9	48.9	48.9	47.9	48.9
5°	54.4	54.4	53.3	51.1	51.1	50.0	50.0	48.9	48.9	47.9	47.9
7.5°	60.9	59.8	57.6	56.6	54.4	53.3	52.2	51.1	51.1	50.0	50.0
10°	69.6	68.5	65.3	63.1	60.9	58.7	57.6	56.6	55.5	54.4	54.4
12.5°	82.7	80.5	77.2	71.8	69.6	66.3	64.2	63.1	63.1	63.1	62.0
15°	101.2	97.9	92.5	85.9	79.4	75.1	74.0	74.0	74.0	75.1	75.1
17.5°	122.9	118.6	112.0	101.2	92.5	87.0	85.9	85.9	87.0	89.2	89.2
20°	150.1	144.7	134.9	120.7	107.7	100.1	97.9	100.1	104.4	105.5	105.5
22.5°	181.6	177.3	161.0	140.3	124.0	114.2	112.0	114.2	119.6	124.0	125.1
25°	219.7	213.2	190.3	163.2	140.3	128.3	125.1	130.5	138.1	144.7	144.7
27.5°	262.1	254.5	223.0	187.1	156.6	140.3	137.0	144.7	157.7	165.3	166.4
30°	307.8	295.9	254.5	209.9	170.8	151.2	149.0	159.9	175.1	184.9	186.0
32.5°	357.8	338.3	287.1	230.6	183.8	158.8	157.7	171.9	190.3	202.3	203.4
35°	404.6	382.9	316.5	245.8	192.5	164.2	164.2	180.6	202.3	214.3	215.4
37.5°	450.3	422.0	341.5	257.8	196.9	166.4	167.5	187.1	208.8	220.8	221.9
40°	500.3	464.4	363.3	263.2	198.0	167.5	169.7	190.3	209.9	221.9	221.9
42.5°	552.5	509.0	377.4	263.2	195.8	166.4	168.6	189.3	207.7	216.4	217.5
45°	613.5	556.9	387.2	258.9	191.4	163.2	166.4	187.1	201.2	205.6	206.7
47.5°	683.1	606.9	394.8	252.3	186.0	159.9	164.2	181.6	193.6	193.6	193.6
50°	771.2	663.5	401.4	241.5	179.5	156.6	161.0	177.3	183.8	181.6	181.6
52.5°	866.9	725.5	405.7	230.6	172.9	152.3	157.7	172.9	176.2	170.8	170.8
55°	973.5	798.4	405.7	219.7	166.4	149.0	155.5	168.6	169.7	164.2	162.1
57.5°	1075.7	856.0	400.3	207.7	159.9	145.7	153.4	166.4	166.4	161.0	159.9
60°	1167.1	909.3	391.6	196.9	155.5	143.6	153.4	165.3	165.3	161.0	161.0
62.5°	1232.3	926.7	369.8	187.1	151.2	143.6	154.5	166.4	167.5	165.3	164.2
65°	1248.7	918.0	344.8	176.2	146.8	142.5	156.6	169.7	170.8	169.7	169.7
67.5°	1203.0	853.8	306.7	167.5	143.6	142.5	157.7	171.9	172.9	172.9	172.9
70°	1084.4	758.1	271.9	157.7	140.3	141.4	159.9	174.0	174.0	174.0	174.0
72.5°	916.9	636.3	236.0	149.0	134.9	139.2	159.9	172.9	172.9	171.9	171.9
75°	724.4	503.6	202.3	140.3	128.3	134.9	157.7	169.7	168.6	167.5	166.4
77.5°	536.2	374.2	169.7	128.3	120.7	129.4	151.2	162.1	161.0	159.9	157.7
80°	369.8	261.0	141.4	116.4	110.9	120.7	141.4	151.2	150.1	147.9	147.9
82.5°	240.4	179.5	114.2	102.2	100.1	110.9	130.5	138.1	136.0	133.8	132.7
85°	155.5	121.8	91.4	87.0	89.2	99.0	114.2	120.7	119.6	117.5	115.3
87.5°	102.2	87.0	71.8	71.8	76.1	87.0	97.9	101.2	100.1	100.1	97.9
90°	71.8	65.3	58.7	59.8	65.3	75.1	80.5	81.6	80.5	81.6	79.4
92.5°	53.3	50.0	47.9	50.0	55.5	63.1	66.3	64.2	65.3	65.3	64.2
95°	41.3	40.2	40.2	42.4	47.9	53.3	54.4	51.1	53.3	53.3	52.2
97.5°	32.6	32.6	33.7	35.9	40.2	44.6	44.6	42.4	43.5	43.5	43.5
100°	26.1	26.1	28.3	30.5	34.8	38.1	37.0	34.8	35.9	34.8	33.7
102.5°	20.7	21.8	23.9	26.1	29.4	31.5	31.5	29.4	29.4	28.3	28.3
105°	16.3	17.4	19.6	22.8	25.0	27.2	27.2	25.0	22.8	21.8	21.8
107.5°	13.1	14.1	16.3	18.5	21.8	22.8	22.8	20.7	18.5	16.3	16.3
110°	10.9	12.0	14.1	16.3	18.5	19.6	19.6	17.4	15.2	13.1	13.1

REPORT NUMBER: P694789
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	9.8	12.0	14.1	15.2	16.3	16.3	15.2	12.0	10.9	10.9
115°	7.6	8.7	9.8	12.0	13.1	14.1	14.1	12.0	9.8	8.7	8.7
117.5°	7.6	7.6	8.7	10.9	12.0	13.1	12.0	10.9	8.7	7.6	7.6
120°	6.5	7.6	8.7	8.7	10.9	10.9	10.9	8.7	7.6	7.6	7.6
122.5°	6.5	6.5	7.6	8.7	8.7	9.8	9.8	7.6	6.5	6.5	6.5
125°	5.4	6.5	6.5	7.6	8.7	8.7	8.7	6.5	6.5	6.5	6.5
127.5°	5.4	5.4	6.5	6.5	7.6	7.6	7.6	6.5	5.4	5.4	5.4
130°	5.4	5.4	5.4	5.4	6.5	6.5	6.5	5.4	5.4	5.4	5.4
132.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.4	5.4	5.4
135°	4.4	4.4	4.4	4.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
140°	4.4	4.4	4.4	3.3	4.4	4.4	3.3	3.3	3.3	4.4	4.4
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	2.2
150°	2.2	2.2	2.2	2.2	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

(END OF REPORT)