

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: P694517

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2420 lumens
Efficiency: N/A
Efficacy: 111.0 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 - U2 - G1

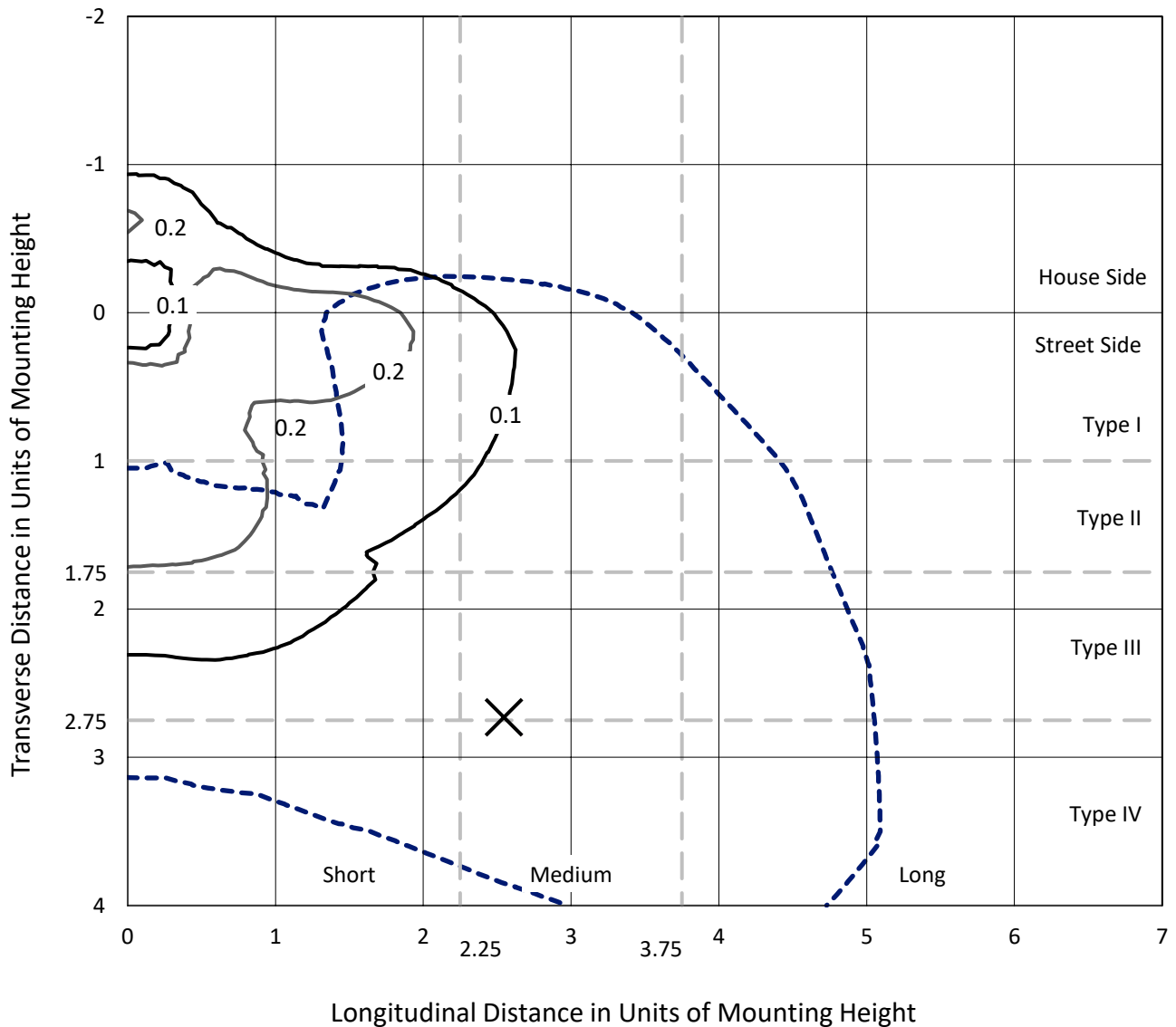
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694517
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

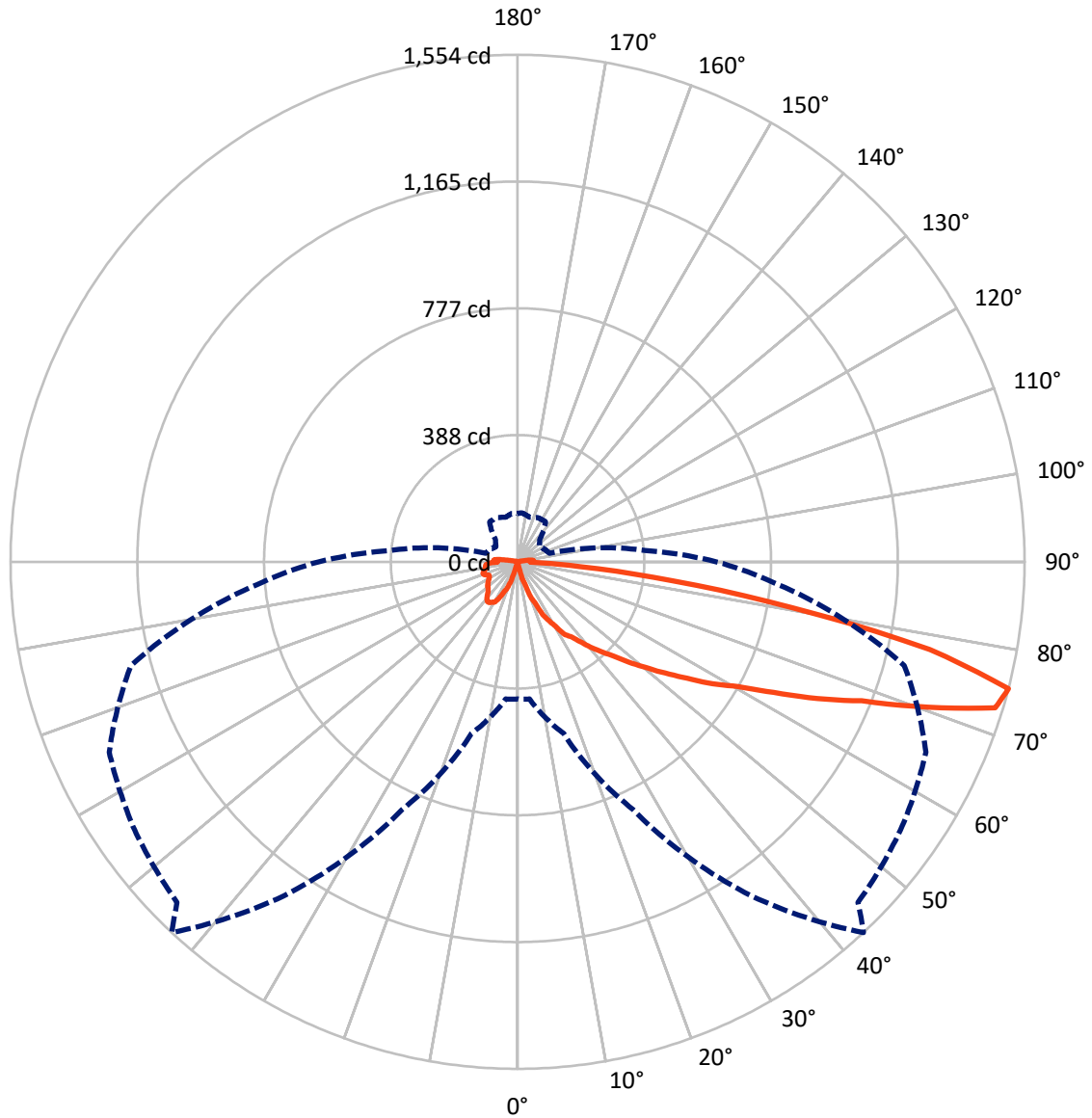
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694517
CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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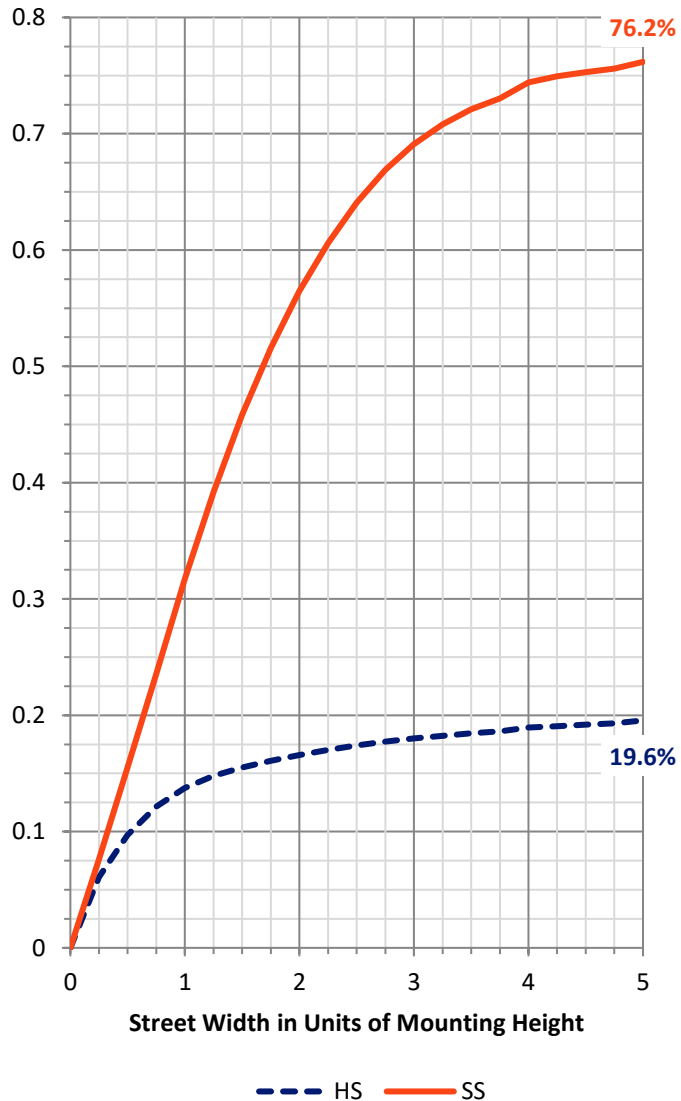
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.2	33.9	538.2
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	1857.2	24.6	1881.8
	% Fixture	76.7	1.0	77.8
Total	Lumens	2361.4	58.6	2420.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	14.4	0.6
20°-30°	78.6	3.2
30°-40°	184.0	7.6
40°-50°	278.8	11.5
50°-60°	433.6	17.9
60°-70°	653.2	27.0
70°-80°	587.7	24.3
80°-90°	131.0	5.4
90°-100°	45.1	1.9
100°-110°	7.4	0.3
110°-120°	2.4	0.1
120°-130°	1.8	0.1
130°-140°	1.1	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2361.4	97.6
0°-180°	2420.0	100.0

Coefficient of Utilization

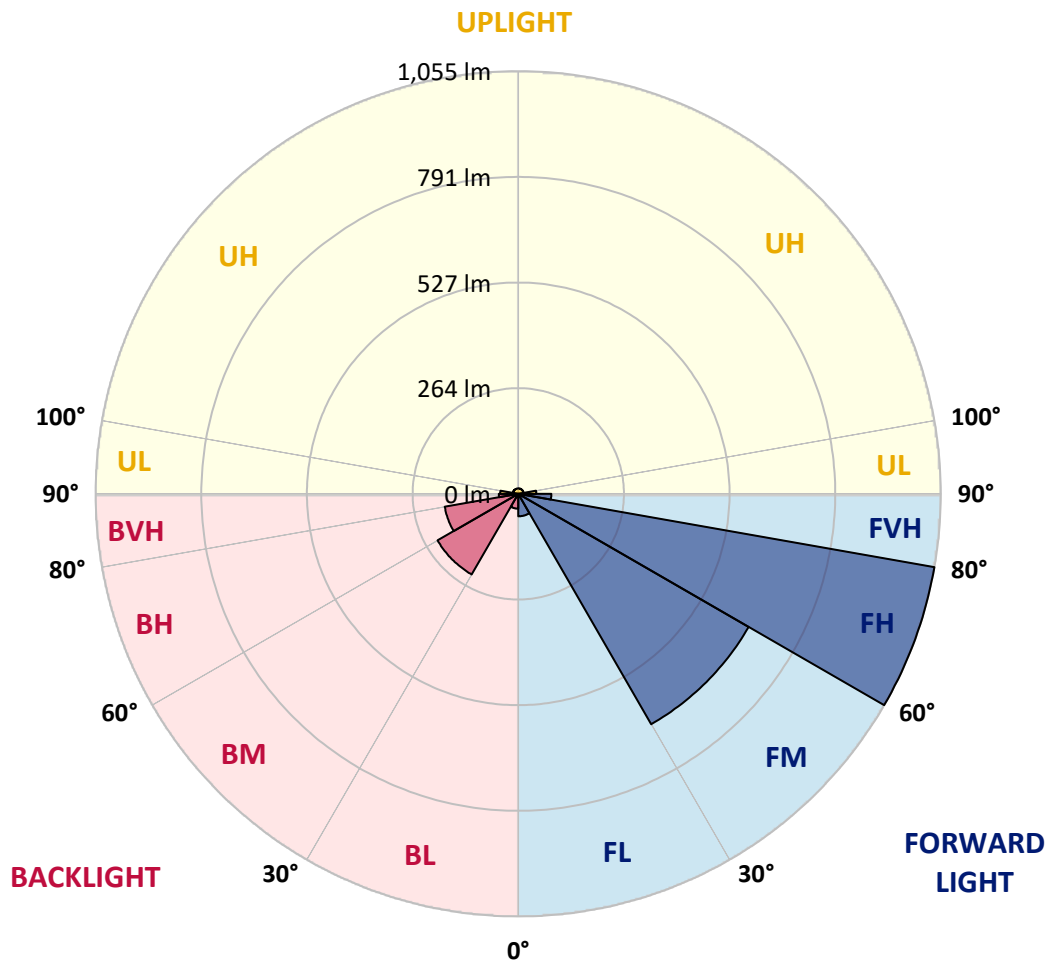


REPORT NUMBER: P694517
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.1	2.3			
FM (30°-60°)	664.0	27.4			
FH (60°-80°)	1054.6	43.6			G1/1800
FVH (80°-90°)	82.5	3.4			G1/100
BL (0°-30°)	37.1	1.5	B0/110		
BM (30°-60°)	232.4	9.6	B1/1000		
BH (60°-80°)	186.2	7.7	B1/500		G1/500
BVH (80°-90°)	48.5	2.0			G1/100
UL (90°-100°)	45.1	1.9		U2/50	
UH (100°-180°)	13.5	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type IV Medium



REPORT NUMBER: P694517
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	2.5	2.5	1.7	1.7	2.5	1.7	1.7	1.7	1.7	1.7	1.7
10°	16.8	16.8	15.1	9.2	4.2	2.5	2.5	2.5	1.7	2.5	2.5
12.5°	69.8	69.8	64.7	60.5	18.5	10.9	7.6	4.2	7.6	10.9	14.3
15°	83.2	83.2	79.9	72.3	67.3	53.0	34.5	20.2	54.6	58.0	57.2
17.5°	151.3	130.3	103.4	90.0	75.7	68.9	77.3	63.0	68.9	70.6	69.8
20°	177.4	174.0	166.5	158.0	95.8	116.9	108.4	107.6	84.1	108.4	127.8
22.5°	191.7	191.7	179.1	168.1	170.7	134.5	126.9	121.9	140.4	153.0	152.2
25°	266.5	266.5	255.6	185.8	179.9	179.1	165.6	175.7	176.5	175.7	177.4
27.5°	282.5	279.9	269.9	247.2	200.1	204.3	207.6	195.9	217.7	254.7	252.2
30°	403.5	389.2	316.1	265.6	249.7	228.7	221.1	237.9	260.6	269.9	271.5
32.5°	468.2	463.2	429.6	353.9	276.6	266.5	252.2	265.6	270.7	332.1	357.3
35°	540.5	531.3	501.9	400.2	334.6	280.8	274.9	267.3	320.3	348.0	372.4
37.5°	595.2	594.3	568.3	455.6	371.6	309.4	290.0	297.6	331.2	364.8	387.5
40°	642.3	638.9	627.1	506.9	402.7	343.0	309.4	315.2	347.2	380.8	406.9
42.5°	691.9	689.3	690.2	549.8	442.2	376.6	336.3	332.1	366.5	406.9	436.3
45°	749.0	747.3	744.8	613.7	486.7	411.1	370.7	359.0	405.2	439.7	475.0
47.5°	773.4	770.0	787.7	668.3	536.3	459.0	408.6	394.3	448.1	488.4	537.2
50°	804.5	801.2	812.1	723.8	595.2	509.4	459.0	437.1	500.2	555.7	618.7
52.5°	863.4	893.6	850.8	784.3	676.7	565.8	509.4	492.6	570.0	645.6	752.4
55°	934.0	927.3	904.6	854.1	751.6	629.7	564.9	555.7	663.3	759.1	890.3
57.5°	947.4	939.9	958.4	925.6	838.1	705.3	628.8	633.0	757.4	877.7	1044.9
60°	978.5	973.5	1008.0	1025.6	927.3	775.1	695.2	735.6	854.1	998.7	1194.6
62.5°	1011.3	1017.2	1068.5	1094.5	986.9	881.0	786.0	852.4	1002.1	1129.9	1327.4
65°	1006.3	1014.7	1120.6	1134.1	1060.1	1009.6	898.7	985.3	1138.3	1265.2	1424.1
67.5°	981.1	989.5	1133.2	1187.9	1160.1	1137.4	1027.3	1129.0	1264.4	1356.8	1454.3
70°	928.9	929.8	1071.8	1230.7	1282.9	1334.1	1203.8	1270.2	1387.9	1436.7	1379.5
72.5°	751.6	757.4	891.1	1146.7	1372.8	1530.0	1403.9	1402.2	1454.3	1413.2	1134.9
75°	420.3	422.0	544.7	838.1	1250.1	1553.5	1475.4	1432.5	1380.4	1226.5	802.0
77.5°	127.8	142.9	190.8	426.2	875.1	1291.3	1270.2	1260.2	1154.2	865.0	436.3
80°	64.7	67.3	85.7	147.1	452.3	855.0	873.4	904.6	719.6	373.3	202.6
82.5°	37.0	38.7	52.1	78.2	192.5	477.5	524.6	494.3	309.4	175.7	140.4
85°	18.5	18.5	24.4	36.1	90.0	189.1	219.4	177.4	133.7	116.0	113.5
87.5°	10.1	10.1	8.4	10.9	27.7	42.0	48.8	66.4	71.5	73.1	96.7
90°	10.9	10.9	8.4	9.2	20.2	37.8	53.8	64.7	66.4	69.8	98.4
92.5°	10.9	10.9	8.4	8.4	18.5	44.6	61.4	70.6	68.9	74.8	100.9
95°	10.9	10.1	7.6	8.4	16.0	47.9	58.0	74.8	66.4	67.3	84.1
97.5°	6.7	6.7	5.0	6.7	11.8	37.0	40.4	53.8	45.4	30.3	39.5
100°	5.0	5.0	3.4	5.0	6.7	17.7	16.8	26.1	20.2	6.7	10.1
102.5°	5.0	5.9	3.4	3.4	4.2	5.0	5.9	8.4	8.4	5.0	6.7
105°	5.9	5.9	2.5	2.5	2.5	2.5	3.4	3.4	3.4	4.2	6.7
107.5°	5.0	5.0	2.5	1.7	1.7	2.5	2.5	1.7	2.5	3.4	7.6
110°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.4	5.9

REPORT NUMBER: P694517
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	1.7	2.5	0.8	1.7	0.8	1.7	1.7	1.7	1.7	2.5	3.4
115°	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7	1.7	2.5	3.4
117.5°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	4.2
120°	2.5	2.5	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
122.5°	2.5	2.5	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
125°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.4
127.5°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
130°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	3.4
132.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
142.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
145°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7
150°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
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: P694517
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	1.7	1.7	1.7
10°	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7
12.5°	15.1	14.3	10.1	5.9	2.5	1.7	1.7	1.7	2.5	3.4	3.4
15°	58.0	56.3	54.6	49.6	14.3	3.4	2.5	7.6	29.4	41.2	47.9
17.5°	68.1	67.3	65.6	62.2	57.2	19.3	25.2	53.8	63.9	65.6	67.3
20°	125.3	122.7	95.0	71.5	65.6	68.9	60.5	67.3	70.6	73.1	75.7
22.5°	148.8	146.3	138.7	126.9	78.2	90.8	87.4	77.3	117.7	126.9	128.6
25°	174.0	169.8	153.8	141.2	130.3	100.9	108.4	122.7	132.8	139.5	139.5
27.5°	248.0	239.6	219.4	155.5	144.6	123.6	132.8	130.3	147.1	180.7	183.3
30°	268.2	258.9	230.3	192.5	153.8	142.9	137.0	168.1	190.0	197.6	200.1
32.5°	357.3	348.9	298.4	198.4	169.0	142.9	158.9	174.9	190.0	225.3	228.7
35°	374.9	361.5	309.4	228.7	168.1	149.6	159.7	178.2	220.3	236.2	239.6
37.5°	392.6	379.1	308.5	219.4	179.1	152.2	156.4	182.4	205.1	216.1	218.6
40°	417.0	396.8	302.6	204.3	170.7	146.3	154.7	171.5	184.9	188.3	190.8
42.5°	448.9	421.2	295.9	189.1	158.0	137.0	144.6	157.2	165.6	160.6	160.6
45°	493.5	450.6	283.3	174.0	146.3	126.9	136.2	145.4	149.6	140.4	137.9
47.5°	549.0	485.9	269.9	159.7	138.7	121.1	131.1	138.7	138.7	126.1	124.4
50°	616.2	529.6	252.2	148.0	130.3	117.7	126.1	132.8	128.6	116.0	115.2
52.5°	718.8	596.0	235.4	137.9	122.7	114.3	125.3	124.4	118.5	107.6	106.8
55°	845.7	682.6	220.3	130.3	117.7	108.4	122.7	119.4	112.6	102.6	102.6
57.5°	971.8	777.6	204.3	125.3	111.8	103.4	118.5	116.9	109.3	99.2	98.4
60°	1095.4	865.0	180.7	121.1	104.2	98.4	113.5	117.7	107.6	97.5	97.5
62.5°	1195.4	907.1	154.7	114.3	96.7	95.0	111.0	121.1	116.0	111.8	111.8
65°	1228.2	881.9	134.5	109.3	91.6	92.5	111.8	133.7	135.3	140.4	141.2
67.5°	1205.5	810.4	121.1	105.1	88.3	96.7	127.8	150.5	146.3	149.6	151.3
70°	1107.2	705.3	113.5	100.0	88.3	103.4	140.4	150.5	144.6	154.7	155.5
72.5°	898.7	570.8	106.8	95.8	84.9	102.6	148.0	148.8	144.6	156.4	154.7
75°	609.5	393.4	100.9	90.8	80.7	95.0	149.6	148.8	141.2	150.5	148.0
77.5°	307.7	200.1	93.3	84.9	74.8	90.8	148.0	149.6	139.5	147.1	144.6
80°	156.4	128.6	83.2	78.2	68.1	89.1	144.6	148.0	133.7	140.4	139.5
82.5°	120.2	100.9	69.8	68.1	62.2	87.4	139.5	142.9	126.9	132.0	128.6
85°	98.4	79.9	51.3	53.0	56.3	88.3	138.7	141.2	122.7	120.2	118.5
87.5°	83.2	61.4	25.2	26.9	41.2	79.0	118.5	116.9	95.8	95.0	96.7
90°	83.2	56.3	16.8	16.8	33.6	56.3	78.2	70.6	66.4	70.6	69.8
92.5°	82.4	51.3	17.7	17.7	37.8	62.2	88.3	73.1	68.1	69.8	68.9
95°	68.1	42.0	20.2	19.3	32.8	68.9	91.6	74.8	69.8	67.3	67.3
97.5°	34.5	23.5	19.3	19.3	26.1	56.3	73.1	58.8	44.6	37.0	39.5
100°	8.4	9.2	18.5	18.5	16.0	28.6	40.4	36.1	18.5	9.2	8.4
102.5°	6.7	5.9	14.3	16.0	10.1	10.1	18.5	21.0	14.3	4.2	4.2
105°	6.7	5.9	6.7	8.4	5.0	4.2	6.7	11.8	6.7	4.2	4.2
107.5°	7.6	6.7	3.4	3.4	3.4	3.4	3.4	4.2	3.4	4.2	4.2
110°	6.7	5.9	3.4	3.4	2.5	3.4	2.5	3.4	3.4	4.2	4.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	4.2	2.5	2.5	2.5	2.5	2.5	2.5	3.4	4.2	4.2
115°	4.2	4.2	2.5	2.5	1.7	2.5	2.5	2.5	3.4	5.0	5.0
117.5°	4.2	3.4	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.0	5.0
120°	4.2	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.0	5.0
122.5°	4.2	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.0	5.0
125°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	2.5	5.0	5.0
127.5°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	2.5	4.2	5.0
130°	3.4	3.4	1.7	1.7	0.8	0.8	1.7	1.7	2.5	4.2	4.2
132.5°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	2.5	4.2	4.2
135°	2.5	1.7	1.7	0.8	0.8	0.8	0.8	1.7	2.5	3.4	3.4
137.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
140°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
142.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
145°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
147.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
150°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
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)