

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: P694539

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694539
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-PA16-20-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA 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: 2606 lumens
Efficiency: N/A
Efficacy: 119.5 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: B1 - U2 - G1

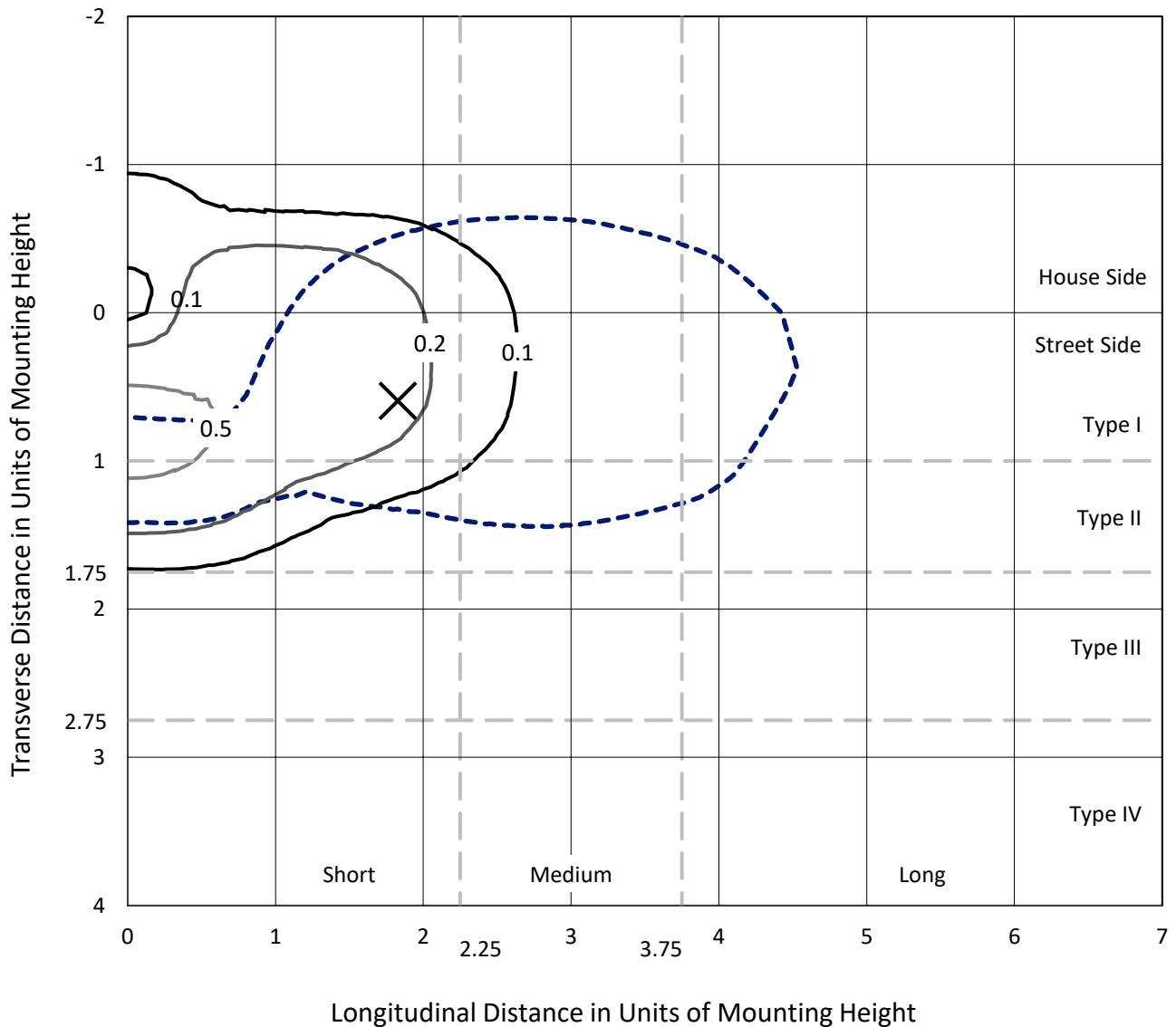
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694539
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

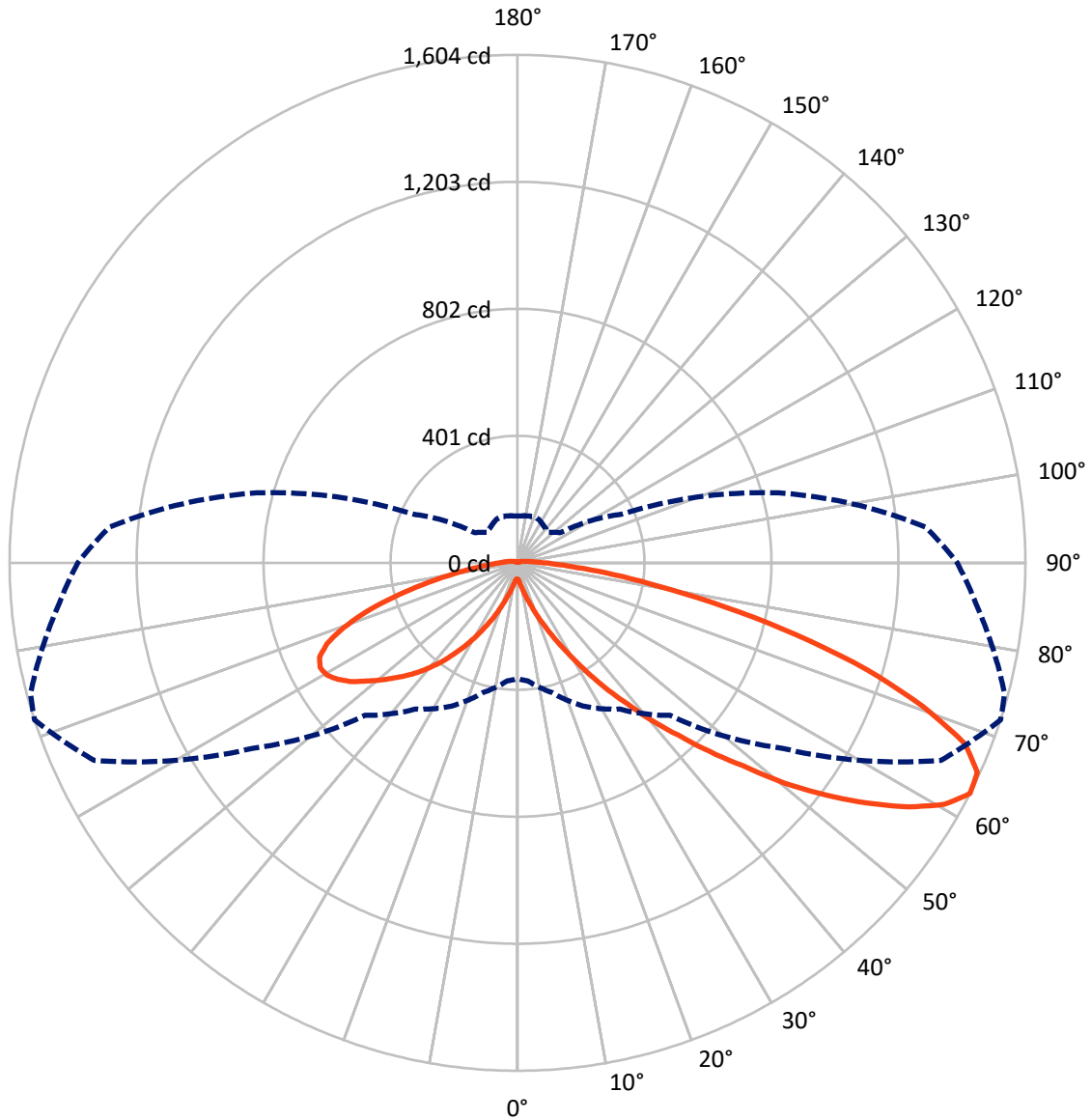
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

REPORT NUMBER: P694539
CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

Luminous Intensity Polar Plot



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

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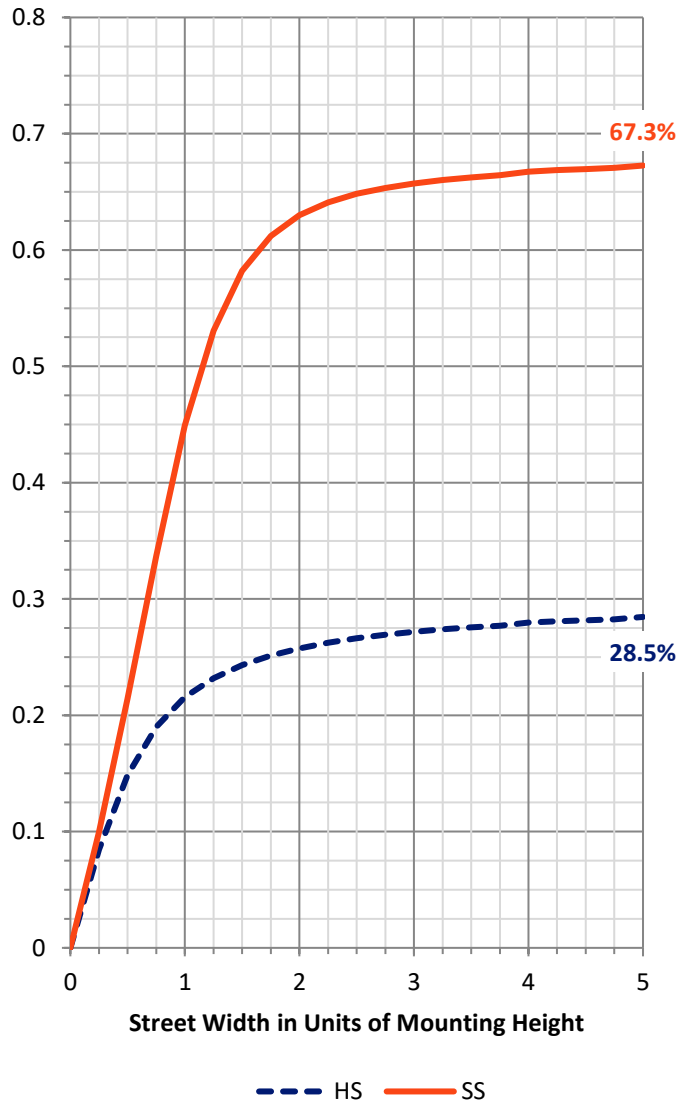
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.1	38.9	803.0
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	1771.5	31.5	1803.1
	% Fixture	68.0	1.2	69.2
Total	Lumens	2535.6	70.4	2606.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	32.9	1.3
20°-30°	108.6	4.2
30°-40°	259.5	10.0
40°-50°	461.3	17.7
50°-60°	610.0	23.4
60°-70°	586.1	22.5
70°-80°	355.7	13.7
80°-90°	115.4	4.4
90°-100°	35.5	1.4
100°-110°	16.6	0.6
110°-120°	8.6	0.3
120°-130°	5.1	0.2
130°-140°	3.1	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2535.6	97.3
0°-180°	2606.0	100.0

Coefficient of Utilization

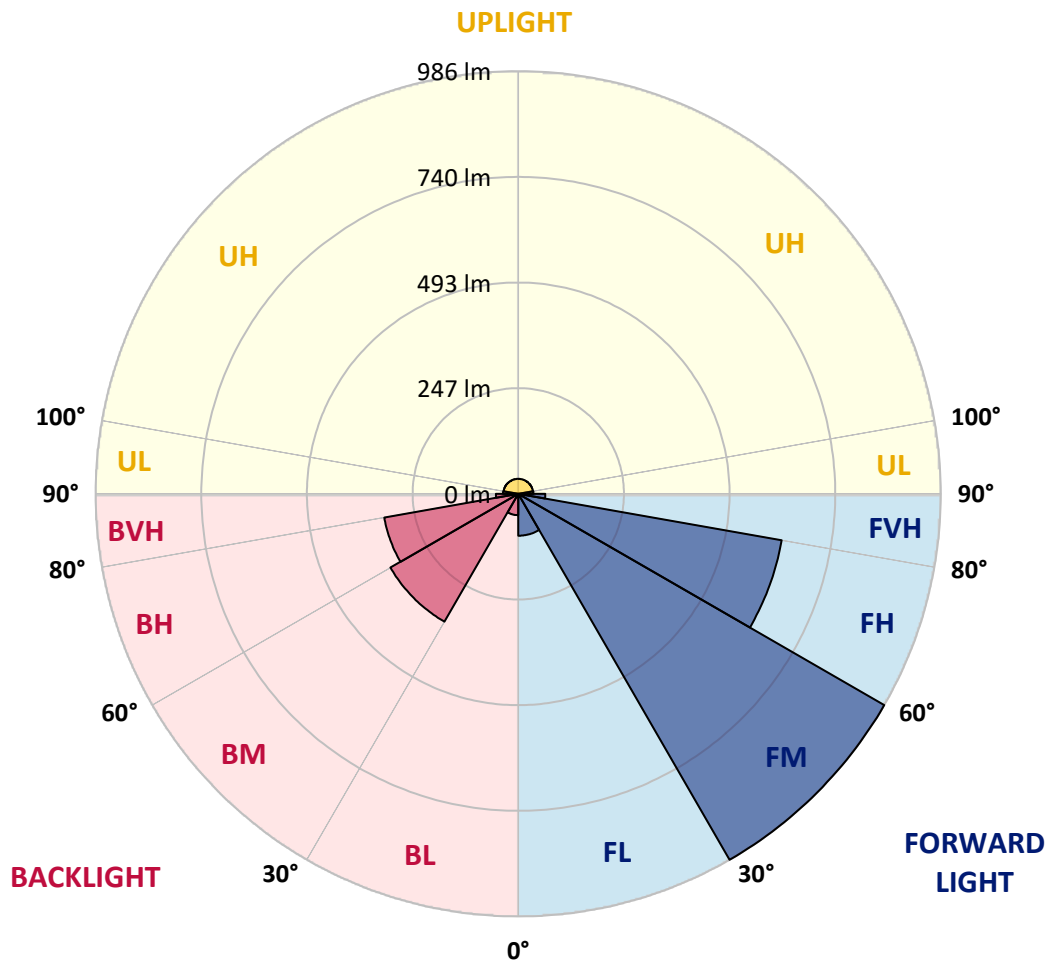


REPORT NUMBER: P694539
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.7	3.8			
FM (30°-60°)	986.3	37.8			
FH (60°-80°)	624.3	24.0			G0/660
FVH (80°-90°)	63.2	2.4			G1/100
BL (0°-30°)	49.8	1.9	B0/110		
BM (30°-60°)	344.5	13.2	B1/1000		
BH (60°-80°)	317.5	12.2	B1/500		G1/500
BVH (80°-90°)	52.3	2.0			G1/100
UL (90°-100°)	35.5	1.4		U2/50	
UH (100°-180°)	34.9	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



REPORT NUMBER: P694539
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	57.5	58.4	57.5	58.4	57.5	56.6	56.6	54.8	54.8	53.9	53.0
5°	68.5	69.4	69.4	68.5	66.7	65.7	63.0	62.1	60.3	59.3	57.5
7.5°	84.0	83.1	84.0	81.3	80.3	78.5	74.9	72.1	69.4	68.5	65.7
10°	104.1	103.2	102.3	100.4	97.7	94.0	90.4	84.9	83.1	82.2	77.6
12.5°	127.8	129.7	126.9	124.2	119.6	115.0	108.7	102.3	99.5	98.6	91.3
15°	162.5	162.5	158.9	154.3	145.2	137.9	131.5	125.1	120.5	118.7	112.3
17.5°	206.3	203.6	199.0	188.1	179.9	168.0	160.7	150.7	146.1	145.2	137.0
20°	254.7	256.6	246.5	232.8	217.3	202.7	191.7	181.7	177.1	176.2	166.2
22.5°	318.6	318.6	305.0	286.7	261.1	241.0	228.3	218.2	211.8	208.2	201.8
25°	392.6	392.6	377.1	341.5	314.1	286.7	268.4	257.5	254.7	251.1	242.0
27.5°	481.2	483.9	454.7	419.1	368.9	336.0	314.1	307.7	302.2	304.0	285.8
30°	583.4	578.9	547.8	493.0	435.5	392.6	370.7	361.6	357.9	358.8	342.4
32.5°	681.1	673.8	645.5	582.5	505.8	457.4	432.8	425.5	422.7	419.1	399.0
35°	794.3	787.9	747.8	671.1	586.2	523.2	494.0	494.0	494.0	489.4	460.2
37.5°	903.9	892.0	848.2	764.2	665.6	594.4	569.7	573.4	567.9	561.5	528.6
40°	991.6	983.3	941.3	855.5	746.9	672.0	648.3	653.7	656.5	647.3	601.7
42.5°	1053.6	1050.0	1016.2	935.9	819.9	748.7	739.6	745.9	744.1	734.1	683.9
45°	1083.8	1080.1	1058.2	992.5	891.1	824.5	825.4	853.7	849.1	838.2	766.0
47.5°	1067.3	1071.9	1063.7	1022.6	935.9	888.4	913.9	964.2	957.8	947.7	859.2
50°	1018.0	1016.2	1029.0	1014.4	953.2	931.3	1000.7	1092.0	1093.8	1067.3	966.0
52.5°	914.9	919.4	955.9	964.2	938.6	947.7	1073.7	1215.2	1218.9	1186.9	1068.2
55°	792.5	791.6	839.1	881.1	882.9	929.5	1115.7	1321.2	1339.4	1315.7	1177.8
57.5°	630.0	646.4	695.7	762.4	795.3	873.8	1130.3	1416.1	1454.5	1421.6	1276.4
60°	487.6	500.3	559.7	631.8	684.8	788.9	1093.8	1468.2	1549.4	1526.6	1382.3
62.5°	366.1	374.3	424.6	500.3	564.3	681.1	1020.8	1475.5	1604.2	1592.3	1452.6
65°	269.3	273.9	322.3	388.0	451.0	552.4	889.3	1413.4	1596.0	1604.2	1501.0
67.5°	195.4	202.7	238.3	296.7	350.6	442.8	745.9	1280.1	1523.9	1547.6	1483.7
70°	154.3	158.0	182.6	228.3	267.5	337.8	601.7	1096.6	1357.7	1411.5	1396.9
72.5°	124.2	126.0	145.2	179.9	205.4	256.6	454.7	886.6	1155.0	1217.1	1250.9
75°	102.3	104.1	119.6	143.3	163.4	191.7	333.3	671.1	907.6	975.1	1048.2
77.5°	81.3	84.9	96.8	115.0	129.7	146.1	233.7	484.8	671.1	724.0	808.9
80°	64.8	66.7	77.6	92.2	103.2	115.0	171.6	321.4	453.8	519.5	583.4
82.5°	49.3	51.1	59.3	71.2	80.3	88.6	122.3	211.8	305.0	337.8	373.4
85°	35.6	35.6	43.8	53.9	62.1	70.3	89.5	137.9	186.3	205.4	230.1
87.5°	23.7	24.7	30.1	39.3	48.4	54.8	65.7	90.4	118.7	125.1	141.5
90°	16.4	17.3	21.0	28.3	36.5	42.9	49.3	62.1	74.9	81.3	93.1
92.5°	11.9	12.8	16.4	21.0	28.3	34.7	39.3	44.7	53.0	57.5	63.9
95°	9.1	10.0	12.8	17.3	22.8	28.3	32.0	34.7	40.2	42.9	47.5
97.5°	8.2	8.2	11.0	14.6	19.2	23.7	26.5	28.3	32.0	33.8	37.4
100°	7.3	7.3	9.1	12.8	16.4	20.1	21.9	22.8	25.6	26.5	29.2
102.5°	6.4	6.4	8.2	11.0	14.6	17.3	19.2	19.2	21.0	21.0	22.8
105°	5.5	5.5	7.3	10.0	12.8	15.5	16.4	16.4	16.4	17.3	17.3
107.5°	5.5	5.5	6.4	9.1	11.0	13.7	14.6	13.7	13.7	13.7	13.7
110°	4.6	4.6	6.4	8.2	10.0	11.9	11.9	11.9	11.0	11.0	11.0

REPORT NUMBER: P694539
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.6	4.6	5.5	7.3	9.1	10.0	11.0	10.0	9.1	9.1	9.1
115°	4.6	4.6	5.5	6.4	8.2	9.1	9.1	8.2	7.3	7.3	7.3
117.5°	3.7	4.6	4.6	6.4	7.3	8.2	8.2	7.3	6.4	6.4	6.4
120°	3.7	3.7	4.6	5.5	6.4	7.3	7.3	6.4	5.5	5.5	6.4
122.5°	3.7	3.7	4.6	5.5	6.4	6.4	6.4	5.5	5.5	5.5	5.5
125°	3.7	3.7	3.7	4.6	5.5	6.4	5.5	5.5	4.6	4.6	5.5
127.5°	3.7	3.7	3.7	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6
130°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	4.6	3.7	3.7	4.6
132.5°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	3.7	3.7	3.7	3.7
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.7	3.7	3.7
137.5°	3.7	3.7	2.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7
145°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
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: P694539
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	53.0	52.0	51.1	50.2	50.2	49.3	49.3	48.4	48.4	48.4	48.4
5°	56.6	55.7	53.9	52.0	50.2	49.3	47.5	46.6	46.6	45.7	45.7
7.5°	64.8	62.1	59.3	56.6	53.9	51.1	49.3	47.5	46.6	46.6	46.6
10°	74.9	73.0	67.6	63.9	60.3	56.6	53.9	51.1	49.3	49.3	48.4
12.5°	90.4	87.7	80.3	75.8	69.4	63.9	60.3	56.6	54.8	53.9	53.9
15°	108.7	105.0	98.6	89.5	81.3	74.0	68.5	65.7	63.9	63.0	63.0
17.5°	133.3	127.8	117.8	106.8	95.9	85.8	80.3	75.8	73.0	74.0	74.0
20°	162.5	156.1	142.4	127.8	112.3	101.3	92.2	87.7	85.8	85.8	85.8
22.5°	194.5	187.2	172.6	152.5	132.4	116.9	105.0	99.5	99.5	99.5	99.5
25°	236.5	223.7	205.4	179.0	152.5	130.6	117.8	113.2	113.2	114.1	115.0
27.5°	276.6	268.4	241.0	207.3	173.5	145.2	128.7	124.2	126.9	128.7	129.7
30°	327.8	313.2	280.3	236.5	192.6	157.0	138.8	135.1	139.7	142.4	143.3
32.5°	384.4	364.3	322.3	268.4	210.0	166.2	146.1	144.3	148.8	153.4	153.4
35°	441.9	418.2	365.2	299.5	223.7	171.6	150.7	150.7	156.1	160.7	160.7
37.5°	504.9	473.0	411.8	326.0	234.6	174.4	153.4	154.3	160.7	163.4	164.3
40°	571.6	535.0	455.6	350.6	240.1	173.5	154.3	157.0	161.6	164.3	164.3
42.5°	640.9	599.9	503.1	368.9	241.0	171.6	153.4	157.0	161.6	162.5	162.5
45°	719.5	671.1	548.7	382.6	237.4	168.0	152.5	157.0	159.8	158.9	158.9
47.5°	806.2	746.9	592.6	393.5	230.1	163.4	151.6	157.0	158.0	156.1	155.2
50°	903.9	830.9	643.7	398.1	221.9	158.9	150.7	156.1	156.1	152.5	152.5
52.5°	1005.2	927.6	695.7	399.0	211.8	154.3	150.7	156.1	155.2	149.7	149.7
55°	1098.4	1022.6	751.4	398.1	200.9	148.8	148.8	156.1	154.3	148.8	148.8
57.5°	1218.0	1123.9	798.0	390.8	189.0	145.2	147.9	156.1	153.4	147.9	147.9
60°	1307.5	1217.1	834.5	380.7	178.0	139.7	146.1	155.2	152.5	147.9	147.9
62.5°	1388.7	1293.8	852.8	363.4	165.3	135.1	143.3	153.4	152.5	148.8	147.9
65°	1429.8	1326.6	845.5	336.9	153.4	129.7	140.6	151.6	150.7	147.9	147.9
67.5°	1419.8	1313.9	804.4	303.1	141.5	124.2	136.0	146.1	147.0	146.1	146.1
70°	1345.8	1228.9	726.8	261.1	130.6	116.9	130.6	140.6	141.5	141.5	142.4
72.5°	1201.5	1085.6	626.3	221.9	118.7	109.6	122.3	132.4	134.2	135.1	134.2
75°	1009.8	892.0	501.3	183.5	107.7	101.3	113.2	122.3	125.1	125.1	125.1
77.5°	777.0	682.0	378.0	147.0	96.8	92.2	103.2	111.4	113.2	114.1	113.2
80°	551.5	481.2	266.6	118.7	85.8	83.1	91.3	97.7	99.5	101.3	100.4
82.5°	359.7	321.4	187.2	94.0	74.0	72.1	79.4	84.0	85.8	85.8	84.9
85°	218.2	200.0	123.3	74.9	63.0	61.2	66.7	69.4	70.3	70.3	70.3
87.5°	136.0	123.3	86.7	60.3	53.0	52.0	54.8	55.7	58.4	57.5	56.6
90°	87.7	82.2	63.9	47.5	42.9	42.9	44.7	44.7	46.6	46.6	44.7
92.5°	63.0	60.3	49.3	39.3	35.6	36.5	37.4	36.5	37.4	37.4	37.4
95°	48.4	46.6	41.1	33.8	30.1	31.0	30.1	30.1	31.0	31.0	30.1
97.5°	38.3	38.3	33.8	28.3	26.5	25.6	26.5	25.6	26.5	25.6	24.7
100°	30.1	30.1	28.3	24.7	22.8	21.9	22.8	21.9	22.8	21.9	21.0
102.5°	23.7	24.7	23.7	21.0	20.1	19.2	19.2	19.2	19.2	18.3	18.3
105°	18.3	19.2	20.1	18.3	17.3	16.4	16.4	16.4	16.4	15.5	14.6
107.5°	14.6	15.5	16.4	15.5	15.5	14.6	14.6	14.6	13.7	12.8	12.8
110°	11.9	12.8	13.7	13.7	12.8	12.8	12.8	12.8	11.9	11.0	11.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	10.0	11.0	11.9	11.9	11.9	11.9	11.0	10.0	10.0	10.0
115°	8.2	9.1	10.0	10.0	10.0	10.0	10.0	9.1	9.1	8.2	8.2
117.5°	7.3	7.3	8.2	9.1	9.1	9.1	9.1	8.2	7.3	7.3	8.2
120°	6.4	6.4	7.3	8.2	8.2	8.2	8.2	7.3	6.4	7.3	7.3
122.5°	6.4	6.4	6.4	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4
125°	5.5	5.5	6.4	6.4	6.4	6.4	6.4	5.5	5.5	6.4	6.4
127.5°	5.5	5.5	5.5	5.5	6.4	6.4	5.5	5.5	5.5	5.5	5.5
130°	4.6	4.6	5.5	5.5	5.5	5.5	5.5	4.6	4.6	5.5	5.5
132.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
135°	3.7	3.7	4.6	4.6	4.6	4.6	4.6	3.7	4.6	4.6	4.6
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.6	4.6
140°	2.7	2.7	2.7	3.7	3.7	3.7	3.7	2.7	3.7	3.7	3.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7
145°	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
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

(END OF REPORT)