

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: P414941

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-722-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3489.9 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

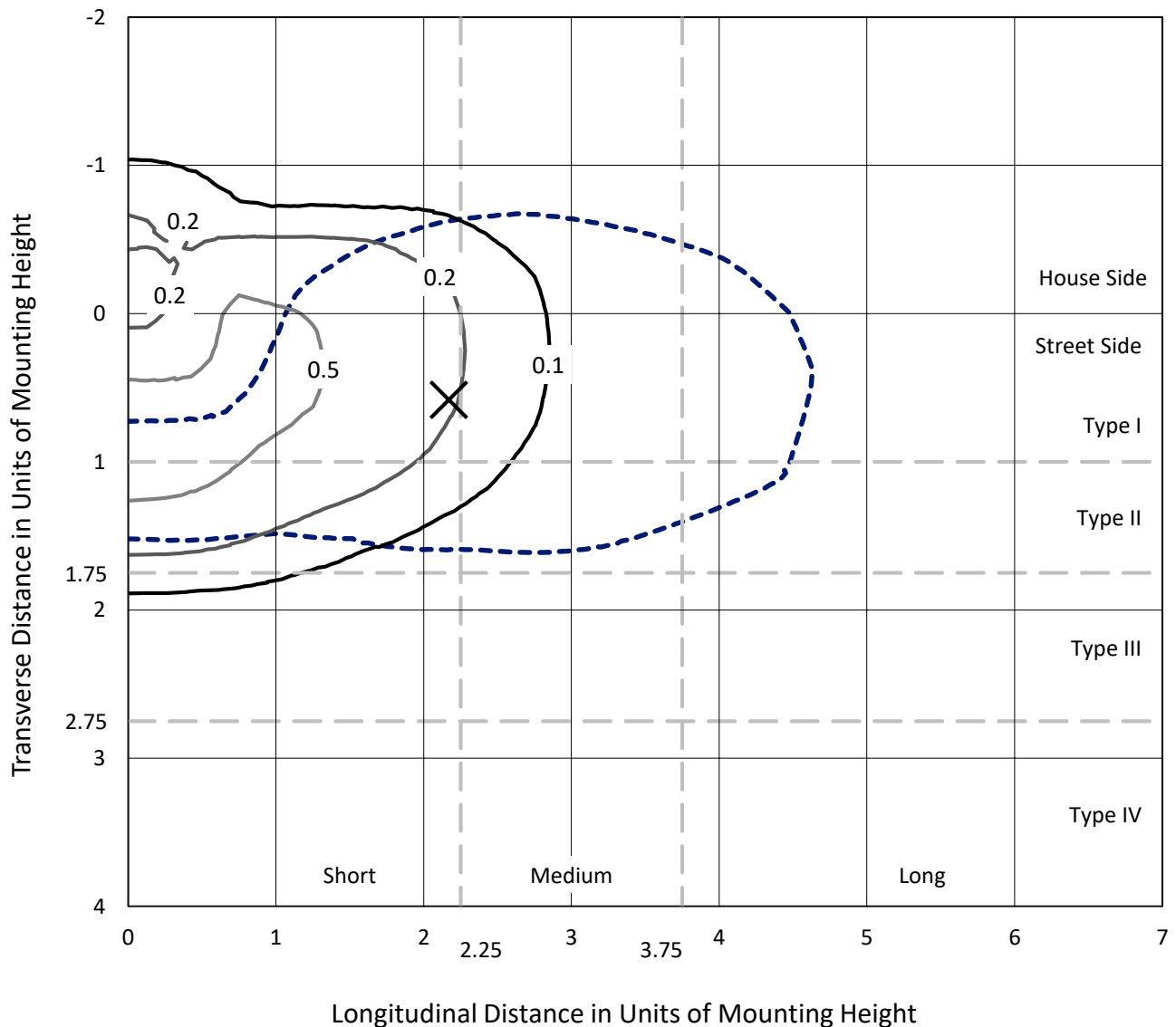
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

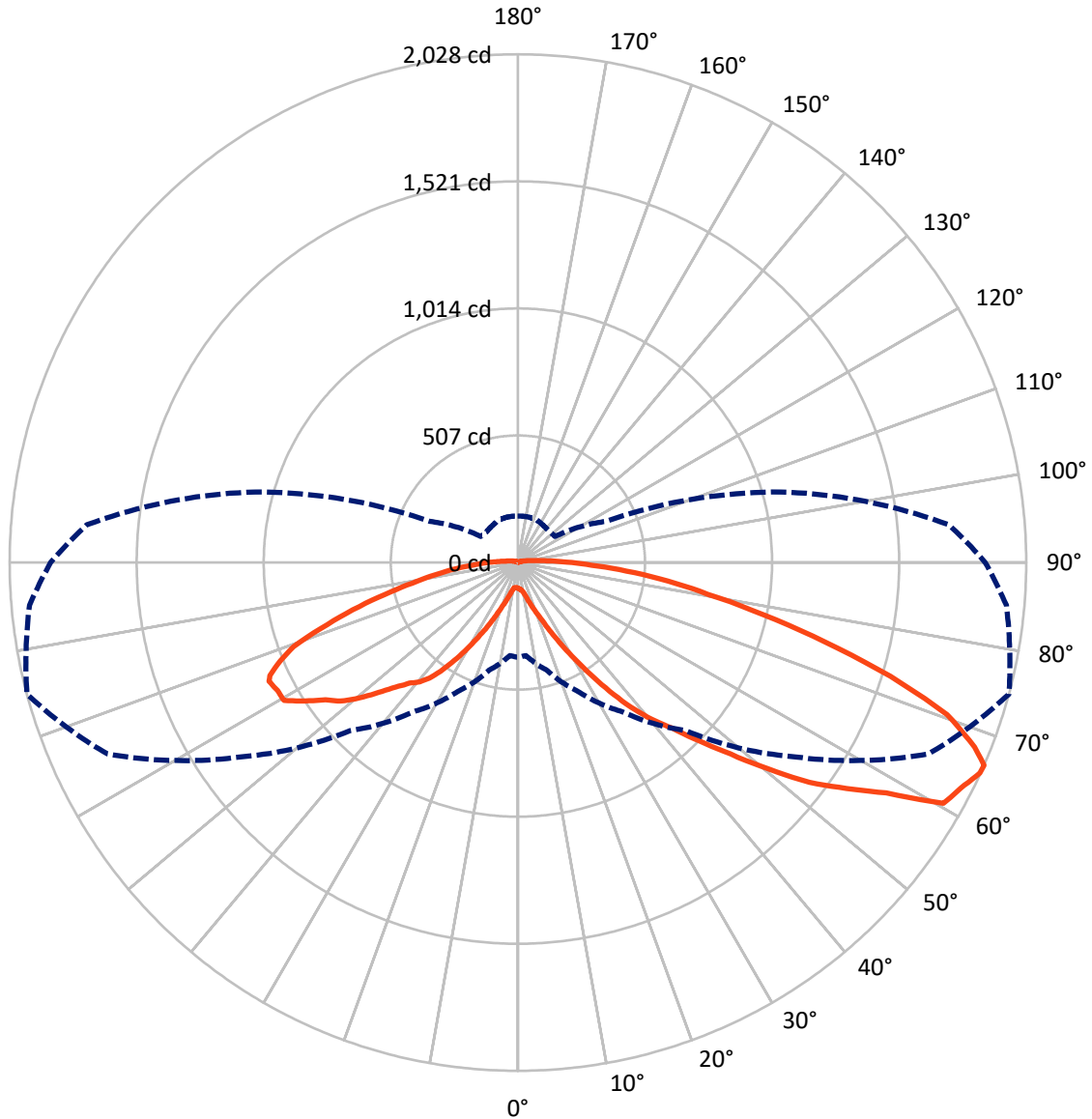
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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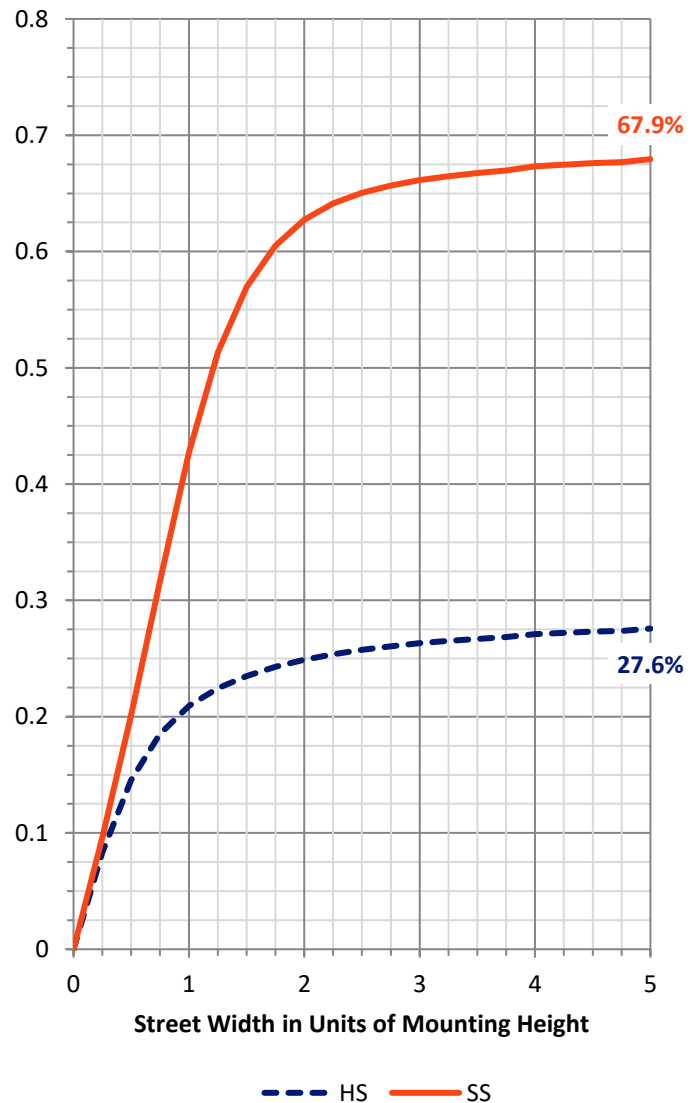
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.2	48.4	1039.6
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2402.5	47.8	2450.3
	% Fixture	68.8	1.4	70.2
Total	Lumens	3393.7	96.2	3489.9
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	43.8	1.3
20°-30°	133.0	3.8
30°-40°	329.0	9.4
40°-50°	594.1	17.0
50°-60°	802.7	23.0
60°-70°	805.8	23.1
70°-80°	486.7	13.9
80°-90°	188.2	5.4
90°-100°	55.9	1.6
100°-110°	20.2	0.6
110°-120°	9.8	0.3
120°-130°	5.7	0.2
130°-140°	3.4	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3393.7	97.2
0°-180°	3489.9	100.0



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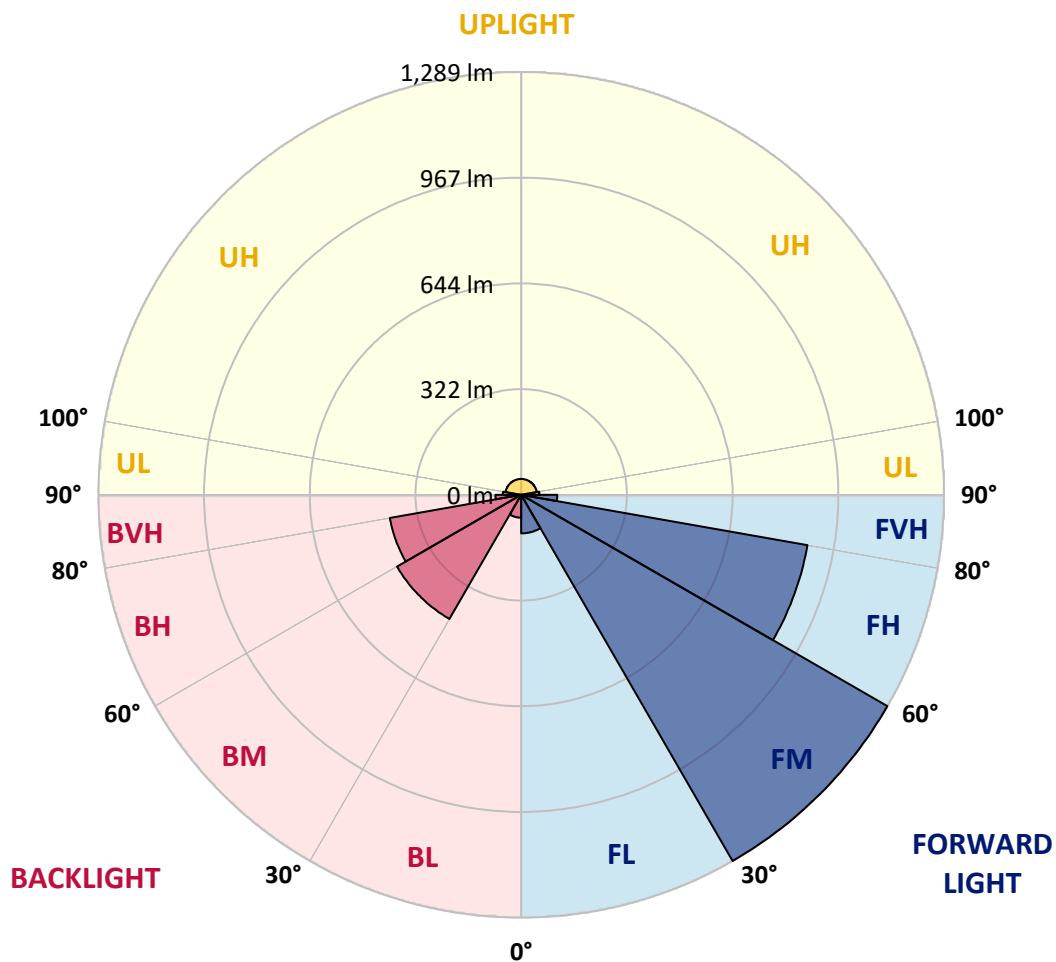
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.6	3.4			
FM (30°-60°)	1288.9	36.9			
FH (60°-80°)	886.1	25.4			G1/1800
FVH (80°-90°)	109.9	3.1			G2/225
BL (0°-30°)	69.7	2.0	B0/110		
BM (30°-60°)	436.9	12.5	B1/1000		
BH (60°-80°)	406.4	11.6	B1/500		G1/500
BVH (80°-90°)	78.3	2.2			G1/100
UL (90°-100°)	55.9	1.6		U3/500	
UH (100°-180°)	48.4	1.4		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	113.5	112.7	111.9	111.1	110.3	109.5	107.9	105.9	104.2	104.2	102.6
5°	124.0	123.2	121.9	120.3	118.7	117.1	113.9	110.7	107.5	107.5	104.6
7.5°	136.8	136.4	134.8	132.8	129.2	125.6	121.5	116.7	112.3	111.9	108.3
10°	153.3	152.5	150.1	147.3	143.3	138.5	132.8	126.8	120.3	119.9	115.5
12.5°	176.3	174.7	170.6	166.2	158.6	153.7	147.3	141.7	136.8	135.6	129.6
15°	206.1	204.1	199.6	192.0	181.9	173.1	169.4	163.4	158.2	156.6	150.9
17.5°	244.3	242.3	234.6	222.6	212.1	203.2	195.2	189.2	184.7	184.3	176.3
20°	296.6	291.8	279.3	262.4	248.7	237.9	226.6	219.8	215.3	213.7	208.9
22.5°	361.0	359.8	342.1	320.0	297.4	277.7	265.2	257.6	254.4	254.8	251.9
25°	443.1	439.5	422.6	390.4	356.6	331.6	314.3	309.5	309.1	306.3	305.1
27.5°	530.9	526.0	503.9	472.9	428.2	394.4	375.1	369.9	371.1	367.9	370.3
30°	638.3	635.9	603.7	558.6	510.3	466.1	445.9	441.5	444.3	448.4	445.9
32.5°	771.1	774.8	730.9	670.1	602.5	551.4	529.3	527.6	531.7	530.9	529.7
35°	932.9	939.4	878.6	804.9	712.0	651.2	623.4	621.4	629.5	628.7	629.5
37.5°	1106.0	1108.8	1059.3	942.6	834.3	750.2	727.3	724.9	732.5	728.1	723.6
40°	1242.4	1255.7	1197.8	1097.5	956.3	870.6	842.8	829.5	822.7	817.8	785.6
42.5°	1371.6	1363.6	1322.5	1211.0	1081.4	988.1	951.0	926.1	904.0	900.7	865.3
45°	1456.2	1446.1	1407.0	1304.0	1182.5	1105.2	1071.0	1040.8	1015.8	1004.6	961.9
47.5°	1461.0	1456.2	1446.9	1369.6	1263.4	1196.2	1184.9	1168.8	1141.4	1141.8	1087.1
50°	1387.3	1379.7	1406.6	1377.3	1303.6	1268.2	1310.9	1328.6	1293.6	1289.9	1233.2
52.5°	1256.9	1252.9	1302.0	1331.0	1304.8	1318.5	1419.9	1484.3	1457.0	1442.5	1369.2
55°	1124.9	1129.7	1172.4	1219.1	1262.2	1333.0	1516.5	1644.9	1591.0	1581.3	1490.0
57.5°	945.0	961.1	1024.7	1097.9	1165.6	1312.9	1567.2	1746.7	1733.1	1729.4	1651.4
60°	747.8	746.2	840.4	947.0	1058.1	1246.5	1570.1	1874.7	1950.8	1933.5	1823.2
62.5°	580.8	584.8	652.4	786.0	934.9	1145.4	1531.4	1931.9	1982.6	1962.9	1866.7
65°	420.6	427.0	509.5	617.4	785.6	1009.0	1421.5	1854.2	2025.7	2013.6	1959.2
66°	377.9	372.3	444.7	567.1	726.9	948.6	1352.3	1807.1	2028.1	2021.2	1956.4
67.5°	303.9	311.1	367.1	473.7	632.3	852.4	1227.1	1731.8	1965.3	1956.0	1912.6
70°	225.0	231.8	270.1	355.4	479.7	679.8	1014.6	1496.0	1817.2	1824.0	1819.2
72.5°	166.6	173.9	200.0	261.6	355.0	505.5	804.1	1261.0	1554.0	1570.1	1558.8
75°	129.6	132.4	154.1	197.2	259.6	356.2	594.9	977.2	1265.0	1294.8	1305.2
77.5°	104.2	106.7	124.4	152.1	194.4	260.0	417.0	728.5	1001.4	1022.3	1042.0
80°	84.1	85.7	100.2	122.4	148.9	185.9	281.3	529.3	768.3	780.4	809.4
82.5°	67.6	68.8	79.3	98.2	119.1	141.3	200.0	369.5	603.3	614.6	651.2
85°	53.1	53.9	63.2	78.1	95.8	111.9	144.5	261.2	434.7	445.1	489.4
87.5°	41.9	42.7	49.9	60.8	77.3	88.5	106.7	175.9	293.4	308.3	358.6
90°	33.0	33.4	38.6	47.1	60.0	72.0	83.7	122.8	195.6	204.1	232.2
92.5°	25.0	25.4	29.4	35.8	46.7	57.2	64.0	84.9	125.2	128.8	148.9
95°	18.5	18.9	22.1	26.2	35.0	44.7	49.5	59.6	78.9	83.7	88.9
97.5°	14.5	14.9	16.9	19.3	25.8	35.0	39.4	43.9	53.9	55.5	59.6
100°	12.5	12.5	13.7	15.3	19.3	27.4	31.0	34.6	40.6	40.6	43.1
102.5°	10.5	10.5	11.3	12.1	15.7	21.7	25.0	27.4	30.6	31.0	33.0
105°	9.3	9.3	9.7	10.5	13.3	17.7	20.5	21.7	23.7	23.7	24.6
107.5°	8.0	8.0	8.5	8.9	11.7	14.9	16.5	16.9	17.7	17.7	18.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	7.6	7.6	7.6	8.0	10.1	12.9	13.7	13.3	13.7	13.7	14.9
112.5°	7.2	6.8	6.8	7.2	9.3	11.3	11.3	10.9	10.9	10.9	12.1
115°	6.8	6.8	6.4	6.8	8.5	9.7	9.7	8.9	8.9	8.9	10.1
117.5°	6.8	6.8	6.4	6.4	7.6	8.9	8.5	7.6	7.2	7.6	8.9
120°	6.8	6.8	6.0	6.0	7.2	7.6	7.6	6.4	6.4	6.4	7.6
122.5°	6.8	6.8	6.0	6.0	6.8	7.2	6.8	5.6	5.6	5.6	6.8
125°	7.2	6.8	6.0	6.0	6.4	6.4	6.0	5.2	4.8	4.8	6.0
127.5°	7.2	7.2	6.4	6.0	6.0	6.0	5.6	4.8	4.4	4.4	5.6
130°	8.0	7.6	6.8	6.0	5.6	5.2	4.8	4.4	4.4	4.4	5.2
132.5°	8.0	8.0	6.8	5.6	5.2	4.8	4.4	3.6	4.0	4.0	4.8
135°	7.6	7.2	6.0	5.2	4.8	4.0	3.6	3.2	3.6	3.6	4.4
137.5°	6.8	6.4	5.6	4.4	4.0	3.2	2.8	2.4	2.8	2.8	3.6
140°	5.6	5.6	4.4	3.6	3.2	2.8	2.4	1.6	2.0	2.4	2.8
142.5°	4.8	4.4	3.6	2.8	2.4	2.0	1.6	1.2	1.6	1.6	2.0
145°	4.0	3.6	2.8	2.0	1.6	1.2	0.8	0.8	0.8	0.8	1.2
147.5°	3.2	2.8	2.0	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.8
150°	2.4	2.4	1.6	0.8	0.4	0.4	0.0	0.4	0.4	0.4	0.4
152.5°	2.0	2.0	1.2	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	102.2	101.4	100.6	99.8	99.0	98.6	97.4	96.6	96.6	96.6	96.2
5°	103.4	101.8	99.8	98.2	96.2	94.6	93.4	92.2	91.4	91.4	91.4
7.5°	106.3	104.6	101.0	97.8	95.0	92.6	91.0	89.8	89.3	88.9	88.9
10°	112.7	109.9	105.0	100.2	96.2	93.0	91.4	90.6	90.2	90.2	90.2
12.5°	127.2	123.2	115.9	107.9	101.0	96.2	94.6	94.6	97.0	98.2	98.2
15°	146.5	142.9	134.4	123.2	112.3	104.2	103.0	105.9	109.1	110.7	110.3
17.5°	173.1	168.2	157.0	142.1	127.6	119.5	115.9	118.7	122.8	124.8	124.8
20°	204.5	199.6	184.3	164.2	146.5	137.6	132.0	132.0	137.2	138.9	139.7
22.5°	247.5	240.3	218.5	190.8	167.8	154.1	147.3	146.1	152.1	155.0	154.1
25°	295.8	290.2	264.8	223.4	193.6	171.5	162.2	162.2	169.8	176.3	176.7
27.5°	363.4	349.3	313.9	263.2	218.5	187.6	177.5	179.5	187.6	194.0	194.0
30°	434.3	424.2	372.3	305.5	242.7	202.4	188.0	191.2	198.4	205.7	205.7
32.5°	520.0	503.1	439.1	347.3	264.8	212.1	193.6	198.0	206.5	213.7	213.7
35°	603.7	590.0	506.3	391.2	284.1	216.1	196.0	201.2	210.9	219.8	220.6
37.5°	701.1	671.3	571.9	430.6	298.2	216.9	195.2	204.5	217.3	227.4	227.8
40°	759.5	723.6	616.2	460.0	304.7	214.1	195.2	206.9	217.7	221.4	221.0
42.5°	828.7	783.6	647.2	463.6	296.6	208.5	194.8	204.1	208.9	208.9	208.5
45°	921.7	871.0	696.3	465.7	280.1	201.6	191.6	197.6	196.4	192.8	191.6
47.5°	1035.6	974.0	758.7	472.9	264.0	194.8	188.0	189.6	183.9	175.9	175.5
50°	1171.6	1099.2	831.9	480.6	249.9	189.2	184.7	183.1	177.5	170.6	169.8
52.5°	1299.2	1211.8	898.3	485.8	238.3	185.5	182.3	181.9	176.3	167.4	166.6
55°	1414.7	1310.1	943.0	475.7	227.8	183.9	182.3	182.7	175.5	166.6	165.4
57.5°	1581.7	1467.0	1013.8	460.8	215.3	183.5	183.5	183.9	175.1	166.6	165.4
60°	1727.0	1599.4	1083.5	459.6	203.2	183.1	183.9	183.5	177.1	171.9	170.6
62.5°	1776.9	1655.4	1086.7	430.6	195.6	181.1	182.3	184.3	183.1	180.7	179.5
65°	1871.1	1738.3	1100.4	398.0	184.7	177.5	180.3	185.5	186.3	184.7	183.5
66°	1864.3	1726.6	1087.1	388.0	181.1	175.5	179.1	184.7	186.3	185.9	185.1
67.5°	1830.5	1696.4	1043.2	359.4	175.9	171.9	177.1	182.7	186.3	187.6	186.7
70°	1739.1	1605.5	955.9	316.3	165.8	163.4	170.6	177.9	183.9	185.9	185.5
72.5°	1481.9	1354.7	799.7	270.1	151.7	151.3	159.8	168.6	175.9	177.9	177.1
75°	1244.0	1118.9	656.8	222.6	137.2	137.6	145.7	154.1	159.8	159.8	160.2
77.5°	997.3	891.5	520.4	184.7	122.4	122.4	128.0	134.8	138.5	136.8	134.4
80°	767.1	697.1	406.5	154.5	107.5	106.7	109.5	114.7	117.5	113.9	111.1
82.5°	619.4	559.0	321.6	128.8	93.0	92.2	93.4	97.0	98.6	94.6	93.4
85°	470.1	415.8	241.9	105.9	80.5	78.5	80.5	81.3	83.3	79.7	77.3
87.5°	332.4	294.6	175.5	88.1	68.8	67.6	67.2	68.0	69.2	66.8	65.6
90°	223.4	196.0	126.8	73.7	58.8	56.7	55.9	55.9	56.7	52.7	51.5
92.5°	143.3	126.8	88.1	58.8	49.1	46.7	45.1	45.5	45.1	41.1	40.2
95°	89.3	80.9	63.6	46.3	39.4	37.4	35.8	35.4	35.0	32.2	31.4
97.5°	58.4	55.5	47.5	36.6	31.4	29.8	29.0	28.6	28.6	26.6	25.4
100°	43.5	42.3	37.4	30.6	25.8	24.6	23.7	23.7	24.6	22.9	22.1
102.5°	33.8	34.2	30.6	25.8	21.7	20.9	20.1	20.1	20.9	20.1	19.7
105°	25.8	25.8	25.0	21.3	18.5	18.1	17.3	17.3	18.1	18.1	18.1
107.5°	20.1	20.9	20.1	17.7	16.1	15.7	14.9	14.9	15.7	16.1	16.5



REPORT NUMBER: P414941

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.1	16.9	16.5	15.3	14.1	13.7	12.9	12.5	13.3	14.5	14.5
112.5°	12.9	13.7	13.7	12.9	12.1	12.1	11.3	10.9	11.7	12.9	12.9
115°	10.9	11.7	11.7	11.3	10.9	10.5	9.7	9.3	10.1	11.3	11.7
117.5°	9.3	10.1	10.1	10.1	9.7	9.3	8.5	8.0	8.5	9.7	10.1
120°	8.5	8.9	8.9	8.9	8.5	8.5	7.6	7.2	7.6	8.9	8.9
122.5°	7.2	7.6	8.0	8.0	7.6	7.6	6.8	6.0	6.4	7.6	8.0
125°	6.4	6.8	7.2	7.2	6.8	6.8	6.0	5.6	6.0	6.8	7.2
127.5°	6.0	6.4	6.4	6.4	6.4	6.0	5.2	4.8	5.2	6.4	6.4
130°	5.6	6.0	6.0	6.0	5.6	5.2	4.8	4.4	4.8	6.0	6.0
132.5°	5.2	5.6	5.6	5.2	5.2	4.8	4.0	3.6	4.4	5.2	5.2
135°	4.4	4.8	4.8	4.8	4.4	4.0	3.6	3.2	4.0	4.4	4.4
137.5°	3.6	4.0	4.0	4.0	3.6	3.2	2.8	2.8	3.2	4.0	4.0
140°	2.8	3.2	3.2	3.2	2.8	2.8	2.4	2.0	2.8	3.2	3.2
142.5°	2.0	2.4	2.4	2.4	2.0	2.0	1.6	1.6	2.4	2.8	2.8
145°	1.2	1.6	1.6	1.6	1.6	1.2	1.2	1.2	1.6	2.0	2.0
147.5°	0.8	1.2	1.2	1.2	1.2	0.8	0.4	0.8	1.2	1.6	1.6
150°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.2	1.2
152.5°	0.4	0.4	0.8	0.8	0.4	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.0
157.5°	0.0	0.0	0.0	0.4	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)