

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: P414984

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3868 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

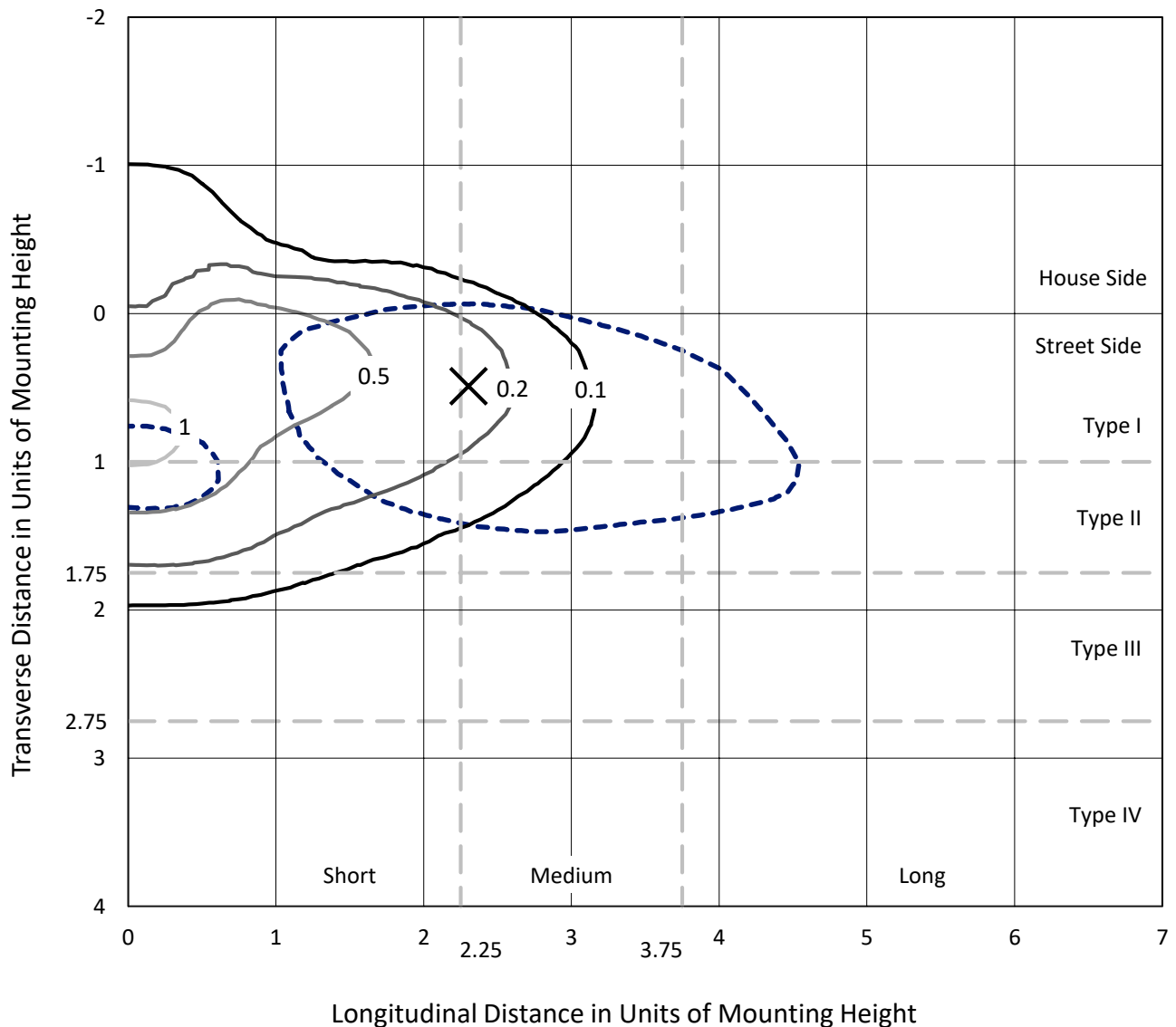
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414984
 CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

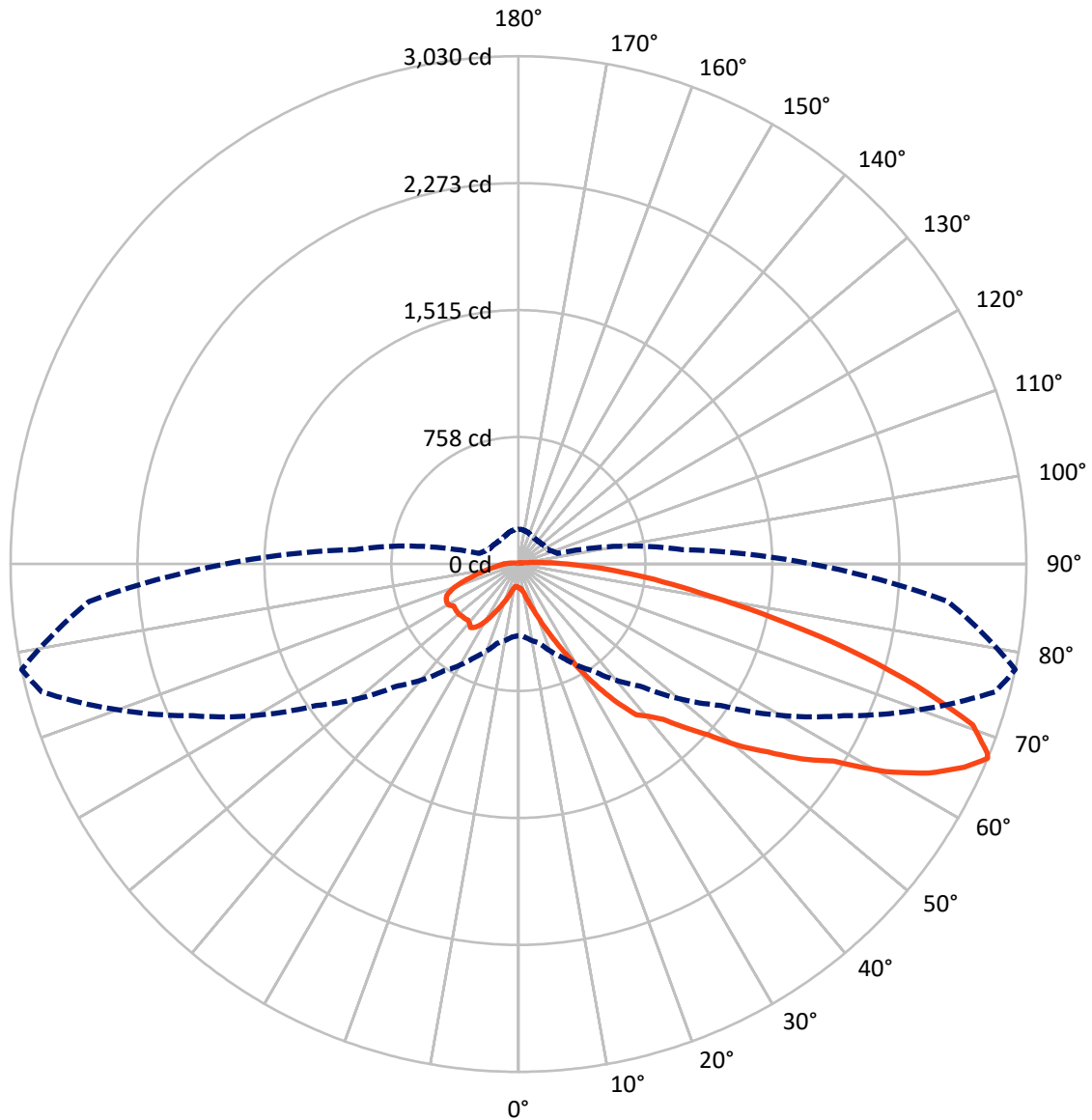
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414984
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P414984

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	715.6	58.5	774.1
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	3031.6	62.4	3093.9
	% Fixture	78.4	1.6	80.0
Total	Lumens	3747.1	120.9	3868.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.4
10°-20°	60.2	1.6
20°-30°	180.5	4.7
30°-40°	413.1	10.7
40°-50°	659.8	17.1
50°-60°	813.2	21.0
60°-70°	847.6	21.9
70°-80°	549.6	14.2
80°-90°	208.9	5.4
90°-100°	64.6	1.7
100°-110°	24.8	0.6
110°-120°	13.4	0.3
120°-130°	8.9	0.2
130°-140°	5.8	0.2
140°-150°	2.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3747.1	96.9
0°-180°	3868.0	100.0



REPORT NUMBER: P414984

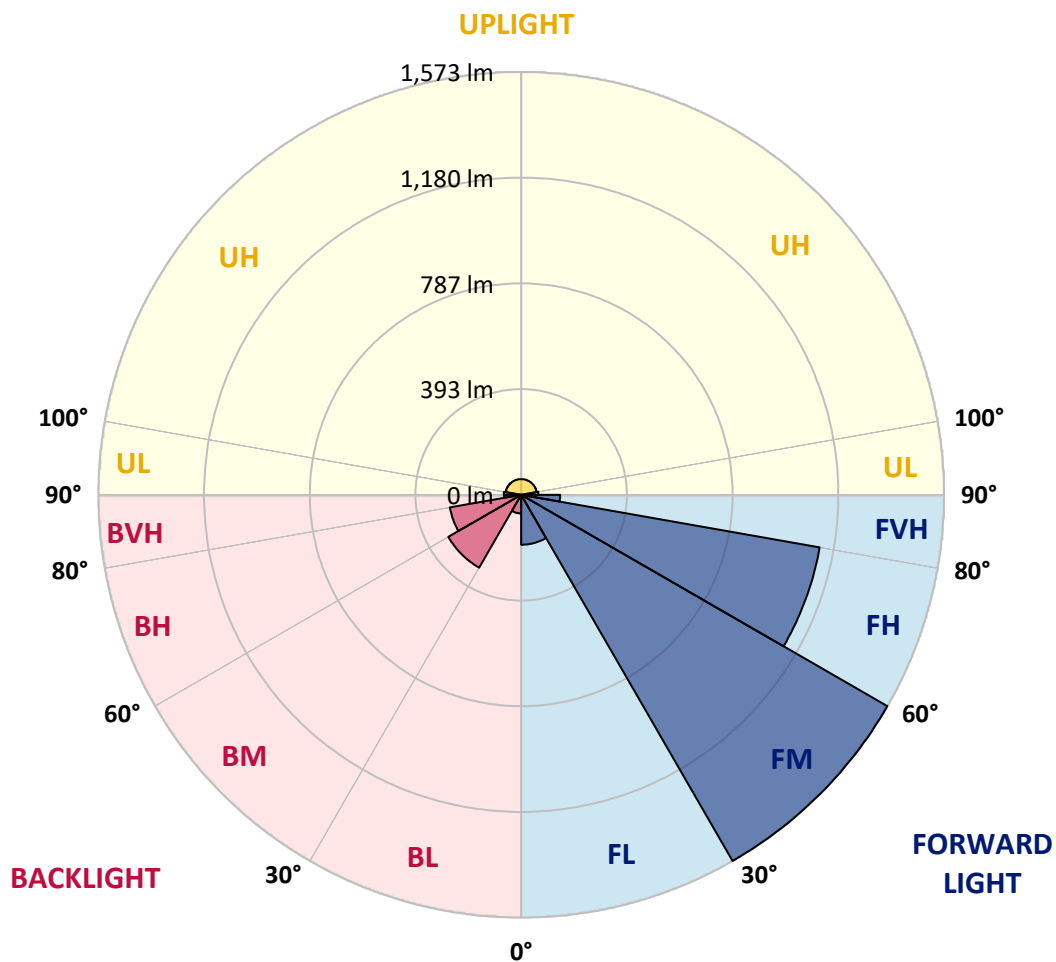
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.7	4.8			
FM	(30°-60°)	1573.3	40.7			
FH	(60°-80°)	1127.6	29.2			G1/1800
FVH	(80°-90°)	144.9	3.7			G2/225
BL	(0°-30°)	69.1	1.8	B0/110		
BM	(30°-60°)	312.9	8.1	B1/1000		
BH	(60°-80°)	269.6	7.0	B1/500		G1/500
BVH	(80°-90°)	64.0	1.7			G1/100
UL	(90°-100°)	64.6	1.7		U3/500	
UH	(100°-180°)	58.5	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P414984

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	159.3	158.9	158.4	157.5	155.7	153.8	151.1	147.4	144.7	144.2	141.5
5°	179.5	178.1	178.1	175.8	172.1	168.5	163.0	156.6	151.5	148.8	144.7
7.5°	204.2	201.4	202.4	198.7	193.7	187.3	178.6	169.9	160.2	157.5	151.5
10°	234.0	232.1	230.3	225.7	219.8	209.7	201.4	188.6	175.8	172.1	163.0
12.5°	270.1	270.6	265.1	260.1	250.0	239.9	229.8	217.5	203.3	199.2	187.3
15°	320.9	320.5	314.5	303.1	290.7	279.7	271.5	258.2	244.5	239.9	222.0
17.5°	380.5	379.1	374.5	354.4	342.0	333.3	321.4	313.2	293.5	288.4	266.5
20°	467.4	459.2	448.7	421.7	403.4	392.4	382.7	372.2	351.2	342.5	316.4
22.5°	564.1	568.2	548.9	507.3	476.6	456.5	446.4	440.9	424.9	418.9	379.5
25°	684.0	684.0	653.8	608.0	568.2	530.6	528.3	534.8	513.2	509.1	467.4
27.5°	810.4	815.4	775.6	726.6	666.1	622.2	619.9	625.4	623.6	611.7	552.1
30°	954.6	950.0	905.1	845.6	765.5	713.8	707.4	747.2	750.4	742.2	677.1
32.5°	1122.6	1118.9	1062.6	970.6	871.7	812.2	816.3	872.6	894.6	880.4	804.4
35°	1326.8	1331.4	1243.0	1113.5	983.0	914.3	918.9	989.4	1030.6	1013.2	927.6
37.5°	1536.5	1537.9	1456.8	1281.5	1102.5	1004.9	1015.9	1102.0	1155.1	1140.9	1023.3
40°	1669.3	1683.0	1605.2	1438.5	1228.4	1095.6	1104.8	1189.9	1221.0	1194.5	1056.2
42.5°	1785.6	1796.1	1716.9	1537.9	1324.1	1176.6	1173.4	1238.0	1282.9	1266.4	1124.0
45°	1842.8	1863.4	1792.0	1607.0	1391.4	1239.8	1215.1	1311.7	1411.5	1390.9	1233.9
47.5°	1801.1	1826.3	1796.1	1643.2	1421.6	1279.6	1285.1	1417.9	1547.0	1524.1	1353.8
50°	1665.1	1695.4	1705.4	1616.2	1429.4	1299.3	1357.9	1536.5	1709.6	1705.0	1501.2
52.5°	1501.2	1517.3	1561.2	1534.7	1400.5	1322.2	1436.7	1651.4	1877.1	1862.9	1623.5
55°	1349.7	1370.8	1406.9	1391.4	1329.1	1325.0	1499.0	1779.6	2055.2	2053.4	1777.3
57.5°	1140.9	1170.2	1246.2	1254.9	1236.6	1308.0	1544.3	1880.3	2212.7	2219.1	1931.6
60°	875.8	900.6	1015.9	1108.0	1124.0	1268.2	1567.2	1991.1	2481.9	2515.3	2201.3
62.5°	710.1	714.7	802.1	917.0	1026.0	1195.4	1570.8	2131.2	2717.2	2747.5	2362.9
65°	531.5	530.6	611.2	742.2	893.7	1110.2	1559.4	2175.2	2845.0	2922.4	2517.2
67°	427.2	437.2	489.0	613.5	779.2	1030.6	1470.6	2142.7	2945.3	3030.4	2573.5
67.5°	410.7	415.7	462.9	580.5	753.1	1006.8	1444.5	2134.4	2944.8	3017.1	2556.5
70°	327.8	334.7	369.0	446.8	602.5	850.7	1260.9	1943.1	2770.4	2875.7	2401.3
72.5°	253.2	258.7	282.9	342.0	458.8	684.9	1042.9	1672.0	2399.1	2482.4	2036.0
75°	192.7	194.6	217.5	257.8	350.2	522.4	805.3	1316.7	1972.8	2036.0	1654.6
77.5°	149.3	153.4	170.8	197.8	260.1	393.3	606.2	1025.6	1569.5	1559.8	1258.1
80°	116.3	120.0	132.8	151.5	195.0	288.9	443.6	758.2	1146.4	1157.9	921.2
82.5°	93.4	96.1	104.8	118.6	150.2	219.8	324.1	566.8	871.7	867.6	675.3
85°	74.6	76.5	82.9	94.8	115.8	166.7	239.4	421.2	615.3	620.4	461.0
87.5°	58.1	60.4	67.8	75.1	91.6	126.8	176.7	292.1	409.3	413.4	316.8
90°	45.3	46.7	53.1	60.9	74.2	96.1	127.7	200.1	263.7	258.7	203.7
92.5°	33.4	34.8	40.7	48.1	57.7	74.2	92.0	128.2	154.3	157.5	127.3
95°	23.8	25.2	30.2	35.7	44.0	56.3	65.5	81.5	94.8	92.0	81.5
97.5°	18.3	18.8	22.4	26.6	33.4	43.5	48.5	56.3	62.3	60.9	56.8
100°	14.7	15.1	17.9	20.1	26.1	34.3	38.9	43.0	46.7	45.3	43.5
102.5°	12.4	12.8	14.7	16.5	21.5	28.8	31.6	34.3	35.7	35.7	34.8
105°	10.5	11.0	12.4	14.2	18.3	23.8	25.6	27.0	28.4	27.9	27.9
107.5°	9.6	9.6	11.0	12.4	16.0	20.1	21.1	21.5	22.0	22.0	22.9



REPORT NUMBER: P414984

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	8.7	9.2	10.1	11.0	14.2	17.9	17.9	17.4	17.4	17.4	18.8
112.5°	8.2	8.7	9.2	10.5	13.3	15.6	15.1	14.2	14.2	14.7	16.0
115°	8.2	8.2	8.7	10.1	12.4	14.2	13.3	11.9	11.9	12.4	13.7
117.5°	8.2	8.2	9.2	10.1	11.9	12.8	11.9	10.5	10.1	10.5	11.9
120°	8.7	8.7	9.2	10.1	11.0	11.9	11.0	9.6	9.2	9.6	11.0
122.5°	9.2	9.2	9.2	10.1	10.5	11.0	10.1	8.7	8.2	8.7	10.1
125°	9.6	9.6	9.6	10.1	10.5	10.1	9.2	8.2	8.2	8.2	9.6
127.5°	10.5	10.5	10.5	10.5	10.1	9.6	8.7	7.8	8.2	8.2	9.2
130°	11.4	11.4	11.0	10.5	10.1	9.2	8.2	7.3	7.8	8.2	9.2
132.5°	11.9	11.4	11.0	10.1	9.6	8.2	7.3	6.9	7.3	7.8	8.7
135°	11.0	11.0	10.1	9.2	8.7	7.3	6.4	6.4	6.9	7.3	7.8
137.5°	9.6	9.6	9.2	8.2	7.8	6.9	6.0	5.5	6.4	6.9	7.3
140°	8.2	8.2	7.8	6.9	6.4	6.0	5.0	4.6	5.5	6.0	6.4
142.5°	6.9	6.9	6.4	5.5	5.5	5.0	4.1	4.1	5.0	5.0	5.5
145°	5.5	5.5	5.5	4.6	4.6	4.1	3.2	3.7	4.1	4.6	4.6
147.5°	4.6	4.6	4.6	3.7	3.7	3.2	2.3	2.7	3.2	3.7	3.7
150°	3.7	3.7	3.7	3.2	2.7	2.3	1.8	2.3	2.3	2.7	2.7
152.5°	2.7	2.7	2.7	2.3	2.3	1.4	1.4	1.8	1.8	2.3	2.3
155°	1.8	1.8	2.3	1.8	1.4	0.9	1.4	1.4	1.8	1.8	1.8
157.5°	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4
160°	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P414984

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	140.1	139.2	136.9	134.6	132.3	130.5	128.2	127.7	127.7	126.8	126.8
5°	141.9	139.2	133.7	129.1	124.1	120.0	116.7	115.4	114.0	113.1	112.2
7.5°	146.0	141.5	132.3	125.0	117.7	111.3	106.7	104.4	103.0	101.6	102.1
10°	155.7	148.8	135.5	123.6	112.6	103.9	98.4	95.7	94.8	93.4	93.4
12.5°	176.3	167.1	147.9	127.7	110.8	98.9	92.5	91.6	92.5	93.9	93.9
15°	208.8	195.0	167.1	139.2	114.9	98.0	94.3	97.1	100.3	102.1	102.1
17.5°	248.6	229.8	190.0	152.5	120.9	106.2	101.6	105.3	109.4	112.2	112.2
20°	292.6	267.4	213.4	163.9	129.6	117.7	112.6	115.8	121.3	125.4	125.0
22.5°	349.8	313.2	240.4	174.0	140.1	128.2	125.0	129.1	137.4	142.8	143.3
25°	420.8	370.4	272.0	187.3	149.7	137.4	138.3	145.6	156.6	162.5	162.5
27.5°	496.3	432.7	299.0	200.5	159.8	147.0	151.5	161.6	173.5	180.4	181.3
30°	596.1	512.8	332.8	213.8	168.5	156.6	162.1	174.0	182.7	186.8	187.3
32.5°	697.7	588.8	359.9	227.5	176.7	163.4	168.5	179.9	187.7	192.3	191.8
35°	789.8	650.1	375.9	234.0	184.0	168.5	170.8	183.1	187.7	190.5	190.0
37.5°	860.3	694.1	381.8	235.3	186.8	170.8	171.7	182.2	188.6	193.7	192.7
40°	872.2	688.1	359.4	227.1	186.3	170.8	172.6	184.5	191.4	193.7	193.2
42.5°	916.1	704.6	340.2	212.4	180.8	170.3	174.4	185.4	188.6	187.3	185.9
45°	992.6	739.4	334.7	205.1	174.0	168.9	175.4	183.1	182.7	179.9	179.0
47.5°	1068.1	772.8	322.8	201.9	172.1	168.5	174.9	180.4	181.8	179.0	178.1
50°	1164.3	817.2	313.2	197.3	172.6	168.5	174.0	180.4	181.3	176.7	176.3
52.5°	1250.3	847.9	299.0	193.2	173.1	169.9	174.0	180.4	180.8	176.3	175.4
55°	1340.1	880.4	284.3	189.1	174.4	171.2	175.4	180.8	181.3	178.1	177.2
57.5°	1429.8	908.8	267.8	185.9	175.8	174.0	176.3	181.3	185.0	184.0	184.0
60°	1613.0	990.3	265.1	186.3	177.2	176.3	177.2	183.6	190.5	188.2	188.6
62.5°	1685.3	1007.7	260.1	192.3	181.3	178.1	178.6	185.4	192.7	196.0	195.5
65°	1751.2	1009.1	250.0	196.4	186.3	179.5	179.5	185.9	198.2	205.6	205.6
67°	1747.6	981.6	242.7	196.9	188.6	180.8	179.0	185.9	198.7	206.9	207.4
67.5°	1726.5	963.7	239.9	196.9	189.1	180.8	178.6	185.4	198.7	207.4	207.4
70°	1599.7	869.9	222.0	191.8	187.7	178.6	175.8	180.8	196.0	207.9	207.9
72.5°	1325.0	716.1	196.9	179.5	179.0	172.6	168.5	174.0	188.6	201.0	200.5
75°	1070.9	572.3	171.7	161.2	165.7	161.2	158.0	162.1	176.3	188.6	187.7
77.5°	800.3	429.9	148.3	143.8	150.2	147.0	144.2	148.3	162.1	174.0	172.1
80°	591.5	331.5	129.1	127.3	131.9	130.9	130.0	131.9	143.8	151.5	150.2
82.5°	435.4	252.3	111.3	109.9	115.4	115.4	115.4	116.7	125.4	128.2	126.8
85°	309.5	190.0	98.0	94.3	98.9	101.2	102.6	103.0	107.6	108.0	104.8
87.5°	217.9	149.7	87.9	80.1	82.4	87.4	89.7	89.3	91.1	89.7	86.5
90°	152.0	117.7	79.7	68.2	68.2	73.3	76.9	76.5	76.9	73.3	70.0
92.5°	107.1	88.8	67.3	56.3	55.4	60.4	63.6	63.2	63.2	59.5	56.3
95°	71.9	65.5	53.6	45.3	44.0	48.1	51.3	50.4	50.4	46.7	45.3
97.5°	53.1	49.9	44.0	38.5	35.7	38.0	40.3	40.3	40.7	38.5	37.1
100°	41.7	40.3	37.5	33.0	30.2	30.7	32.0	32.0	33.9	32.0	31.1
102.5°	34.8	33.9	31.6	28.4	26.1	25.6	26.6	27.0	29.3	27.9	27.5
105°	28.8	28.4	27.0	24.3	22.4	22.4	22.4	22.9	25.2	24.3	24.3
107.5°	23.3	23.3	23.3	21.1	19.7	19.7	19.2	19.7	21.5	21.5	21.5



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.7	19.7	20.1	18.3	17.4	17.4	16.9	17.4	19.2	19.7	19.7
112.5°	16.9	16.9	17.4	16.5	15.6	15.6	15.1	15.1	16.9	18.3	18.3
115°	14.7	15.1	15.1	14.7	14.2	13.7	13.3	13.7	15.6	16.9	16.9
117.5°	12.8	13.3	13.7	13.3	12.8	12.4	11.9	12.4	14.2	16.0	16.0
120°	11.4	11.9	12.4	12.4	11.9	11.4	10.5	11.4	12.8	14.7	15.1
122.5°	10.5	11.0	11.0	11.0	11.0	10.1	9.6	10.1	11.4	13.3	13.7
125°	10.1	10.1	10.5	10.5	10.1	9.2	8.7	9.2	10.1	11.4	11.9
127.5°	9.6	9.6	10.1	10.1	9.2	8.2	7.8	8.2	9.2	10.1	10.1
130°	9.6	9.6	9.6	9.2	8.7	7.8	6.9	7.3	8.2	9.2	9.2
132.5°	9.2	8.7	8.7	8.7	7.8	6.9	6.4	6.4	7.3	8.2	8.2
135°	8.2	8.2	7.8	7.8	7.3	6.0	5.5	5.5	6.4	7.3	7.3
137.5°	7.3	7.3	6.9	6.9	6.4	5.5	4.6	5.0	6.0	6.0	6.4
140°	6.4	6.4	6.0	6.0	5.5	4.6	3.7	4.1	5.0	5.0	5.5
142.5°	5.5	5.5	5.5	5.0	4.6	3.7	3.2	3.7	4.6	4.6	4.6
145°	4.6	4.6	4.6	4.1	3.7	2.7	2.3	3.2	4.1	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	2.7	2.3	1.8	2.7	3.2	3.2	3.2
150°	2.7	2.7	2.7	2.7	2.3	1.4	1.4	2.3	2.7	2.7	2.7
152.5°	2.3	2.3	2.3	2.7	2.3	0.9	0.9	1.8	2.3	2.3	2.3
155°	1.8	1.8	2.3	2.3	1.8	0.9	0.5	1.4	1.8	1.8	1.8
157.5°	1.4	1.4	1.8	1.8	1.4	0.9	0.5	0.9	1.8	1.4	1.4
160°	0.9	1.4	1.4	1.4	1.4	0.9	0.0	0.9	1.4	0.9	0.9
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)