

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: P416502

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6072 lumens
Efficiency: N/A
Efficacy: 82.1 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: B2 - U3 - G2

Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): 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

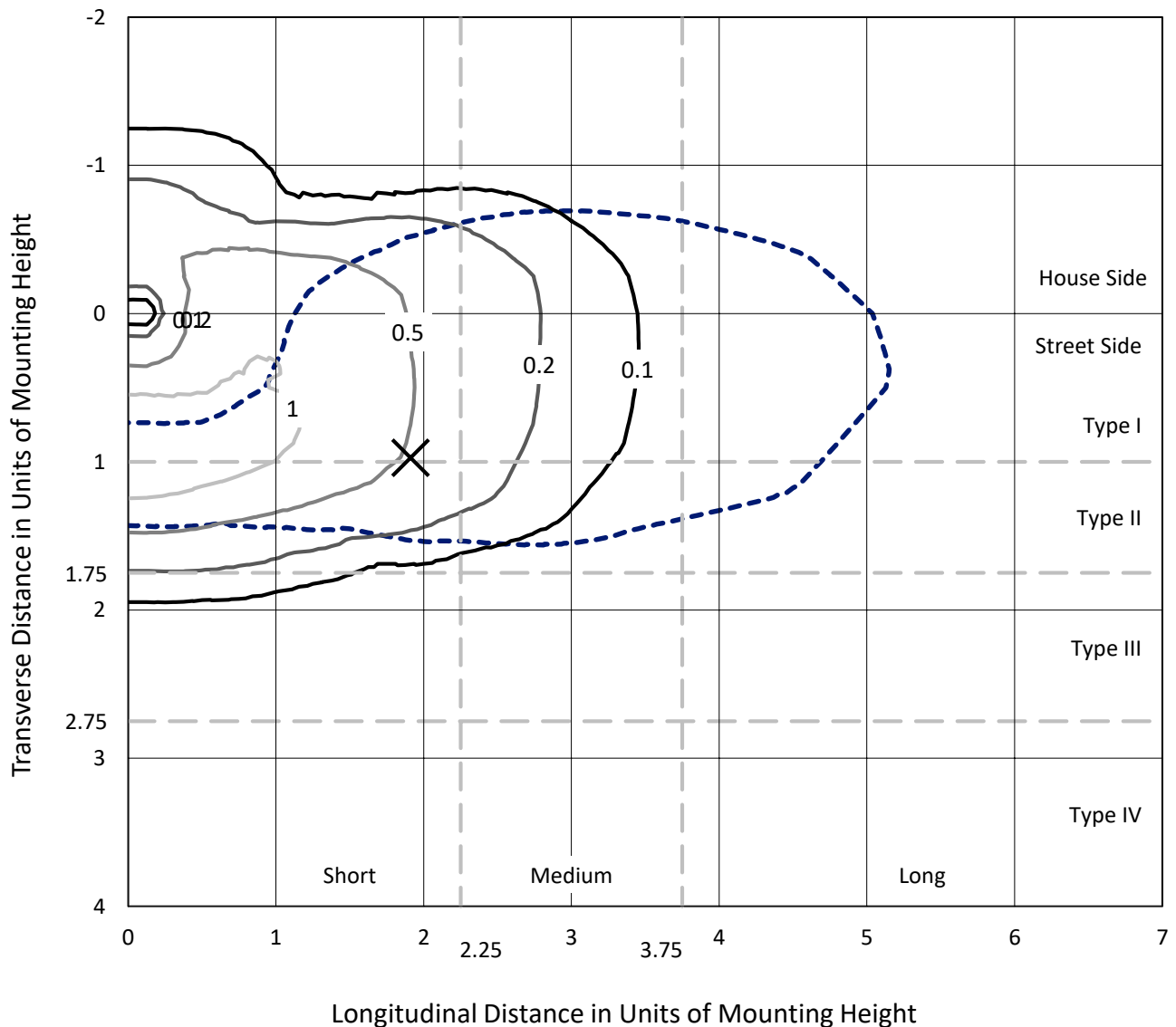


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

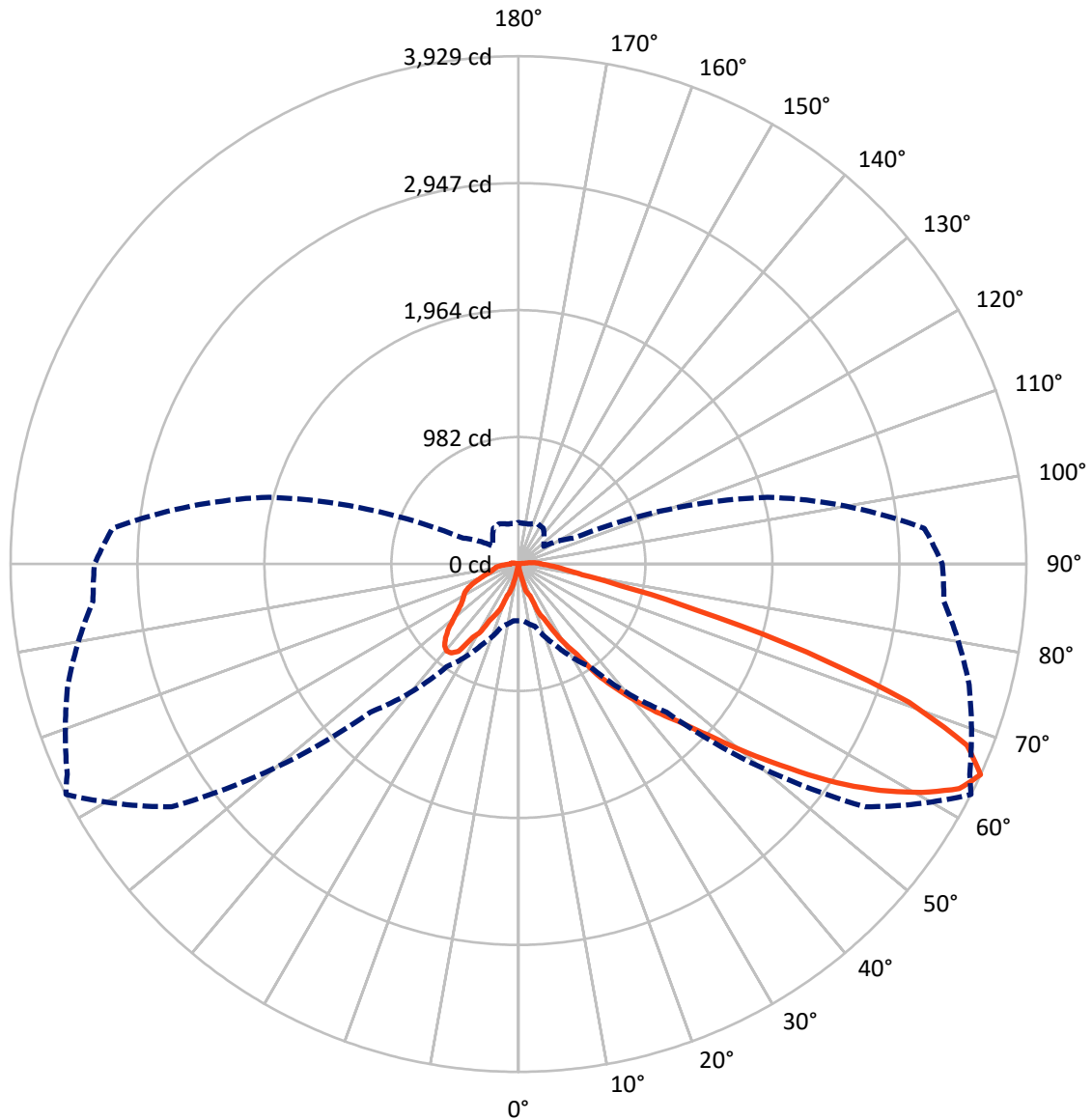


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1728.0	50.2	1778.2
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4247.1	46.7	4293.8
	% Fixture	69.9	0.8	70.7
Total	Lumens	5975.1	96.9	6072.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	54.5	0.9
20°-30°	223.1	3.7
30°-40°	579.6	9.5
40°-50°	1102.2	18.2
50°-60°	1483.7	24.4
60°-70°	1405.5	23.1
70°-80°	880.8	14.5
80°-90°	241.8	4.0
90°-100°	67.7	1.1
100°-110°	12.6	0.2
110°-120°	6.1	0.1
120°-130°	4.4	0.1
130°-140°	2.9	0.0
140°-150°	2.3	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5975.1	98.4
0°-180°	6072.0	100.0



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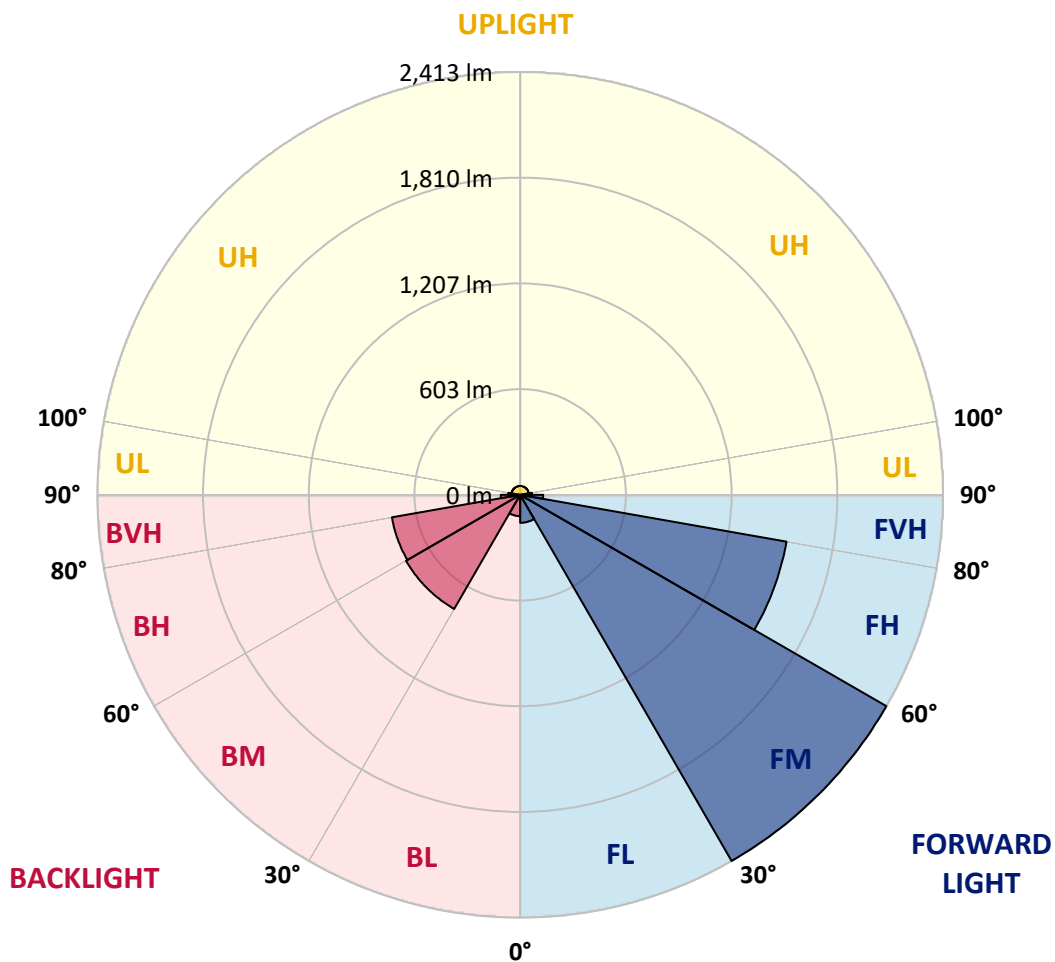
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.8	2.6			
FM (30°-60°)	2413.1	39.7			
FH (60°-80°)	1543.0	25.4			G1/1800
FVH (80°-90°)	131.2	2.2			G2/225
BL (0°-30°)	121.7	2.0	B1/500		
BM (30°-60°)	752.4	12.4	B1/1000		
BH (60°-80°)	743.3	12.2	B2/1000		G2/1000
BVH (80°-90°)	110.7	1.8			G2/225
UL (90°-100°)	67.7	1.1		U3/500	
UH (100°-180°)	50.2	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	8.1	7.4	8.1	8.1	7.4	6.7	6.1	5.4	4.7	3.4	2.7
5°	94.8	95.5	94.1	92.1	33.0	14.8	8.7	6.7	6.1	4.0	3.4
7.5°	108.9	108.3	107.6	106.3	101.5	95.5	51.8	12.1	9.4	5.4	3.4
10°	119.7	118.4	115.0	114.3	109.6	106.3	98.2	63.2	53.1	9.4	6.7
12.5°	217.9	213.2	209.1	172.8	121.0	114.3	109.6	95.5	93.5	59.9	89.4
15°	228.0	228.6	226.0	221.9	212.5	142.6	177.5	215.2	214.5	185.6	182.9
17.5°	258.9	256.9	246.8	236.7	233.4	253.5	251.5	240.1	240.1	212.5	201.1
20°	400.1	396.8	390.7	325.5	289.8	327.5	307.3	267.7	269.0	328.2	356.4
22.5°	463.3	462.0	449.9	421.0	410.2	361.1	404.8	419.0	410.9	415.6	398.1
25°	634.2	627.4	574.3	523.2	529.3	487.6	486.9	478.1	473.4	452.6	484.2
27.5°	807.0	801.6	789.5	717.6	611.3	587.8	550.1	600.5	587.1	635.5	646.3
30°	1069.3	1020.2	918.0	869.5	834.6	722.3	711.5	727.0	722.9	709.5	697.4
32.5°	1342.3	1322.1	1262.3	1085.4	974.4	909.9	878.3	830.5	808.3	952.9	963.0
35°	1627.4	1608.6	1462.0	1359.1	1168.8	1063.9	1046.4	1053.1	1023.5	1094.2	1077.3
37.5°	2129.1	2119.7	1972.4	1653.0	1453.9	1248.8	1224.6	1216.5	1170.1	1221.3	1221.9
40°	2451.2	2435.8	2273.0	2037.7	1716.9	1546.1	1428.4	1382.0	1369.9	1372.6	1373.2
42.5°	2690.7	2665.8	2571.0	2354.4	2019.5	1819.1	1653.0	1563.6	1587.8	1540.7	1538.0
45°	2846.0	2832.6	2746.5	2565.6	2333.6	2234.0	1940.2	1738.4	1819.8	1735.7	1731.7
47.5°	2881.0	2874.9	2815.1	2724.3	2627.4	2585.7	2286.5	1977.8	2052.5	2015.5	1940.2
50°	2729.0	2734.4	2712.2	2745.1	2850.7	2898.5	2651.7	2295.2	2336.3	2248.2	2152.0
52.5°	2396.8	2396.1	2476.8	2622.7	2932.8	3123.7	2989.9	2625.4	2623.4	2464.0	2355.1
55°	1924.0	1960.3	2096.8	2323.5	2820.4	3227.3	3310.7	2988.6	2932.1	2716.2	2536.0
57.5°	1466.0	1513.1	1680.6	1886.4	2501.0	3154.0	3544.1	3304.0	3245.5	2943.5	2727.6
60°	991.9	1010.1	1221.3	1459.3	1989.2	2872.2	3653.7	3588.4	3523.9	3175.5	2921.3
62.5°	661.1	677.2	798.3	1088.1	1426.4	2334.2	3583.1	3828.5	3743.1	3449.9	3123.7
65°	439.8	439.8	499.7	700.1	970.4	1620.7	3273.7	3928.7	3851.4	3608.6	3303.3
67.5°	324.1	329.5	349.0	451.2	661.1	969.7	2603.9	3743.8	3751.9	3626.8	3360.5
70°	293.9	297.2	314.1	340.3	472.1	577.0	1720.9	3207.1	3346.3	3489.6	3287.2
72.5°	256.9	258.2	285.1	313.4	371.9	442.5	1000.7	2330.9	2623.4	3191.0	3085.4
75°	215.2	217.2	238.7	281.1	321.5	371.2	532.6	1419.0	1710.2	2739.7	2818.4
77.5°	174.8	179.6	197.0	230.0	295.2	311.4	408.9	811.0	990.6	2040.4	2382.7
80°	134.5	139.2	154.7	180.9	241.4	275.1	339.6	499.0	600.5	1268.3	1665.1
82.5°	92.1	95.5	111.0	130.5	172.8	229.3	281.1	367.9	397.4	694.0	918.6
85°	65.2	67.2	77.3	86.1	107.6	150.6	234.7	291.9	299.9	367.9	373.9
87.5°	37.0	36.3	37.7	43.7	49.1	58.5	138.5	213.9	223.9	256.2	238.1
90°	25.6	24.9	20.8	20.2	22.9	24.9	78.7	170.1	178.9	206.5	211.8
92.5°	26.9	25.6	20.2	18.8	21.5	22.9	52.5	148.6	167.5	206.5	217.9
95°	25.6	24.2	18.2	16.1	19.5	20.2	32.3	102.2	131.8	193.0	213.2
97.5°	22.2	20.8	14.8	13.4	16.1	16.1	18.2	47.1	64.6	90.1	101.5
100°	18.2	16.8	12.1	10.8	11.4	12.1	11.4	23.5	23.5	24.9	19.5
102.5°	16.1	15.5	10.1	8.7	8.1	8.1	7.4	11.4	12.1	13.4	16.8
105°	14.1	13.4	8.7	7.4	6.1	6.1	5.4	7.4	8.1	11.4	16.1
107.5°	10.1	10.1	7.4	6.1	5.4	5.4	4.0	6.1	6.7	10.1	16.8
110°	6.7	6.7	5.4	5.4	4.7	5.4	4.0	6.1	6.1	8.1	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.4	5.4	4.7	4.0	3.4	4.0	4.7	5.4	5.4	6.1	8.1
115°	5.4	4.7	4.0	3.4	2.7	3.4	3.4	4.7	4.7	6.1	8.1
117.5°	5.4	5.4	4.0	3.4	2.7	2.7	3.4	4.0	4.0	6.1	8.7
120°	5.4	5.4	4.0	3.4	2.7	2.0	2.7	4.0	4.0	5.4	8.1
122.5°	5.4	5.4	4.0	3.4	2.7	2.0	2.7	3.4	3.4	4.7	8.1
125°	6.1	6.1	4.7	3.4	2.7	2.0	2.7	2.7	2.7	4.7	7.4
127.5°	6.1	6.1	4.7	3.4	2.7	2.0	2.7	2.7	2.7	4.0	6.1
130°	6.1	6.1	4.7	3.4	2.7	2.0	2.7	2.0	2.0	3.4	5.4
132.5°	6.1	5.4	4.7	4.0	3.4	2.7	2.7	2.0	2.0	2.0	4.0
135°	5.4	5.4	4.7	4.0	3.4	2.7	2.7	2.0	2.0	2.0	2.7
137.5°	5.4	5.4	5.4	4.7	4.0	3.4	2.7	2.0	2.0	2.0	2.0
140°	6.1	6.1	6.1	5.4	4.0	3.4	2.7	2.0	2.0	2.0	2.0
142.5°	6.7	6.7	6.7	6.1	4.0	3.4	3.4	2.0	2.0	2.0	2.0
145°	7.4	7.4	7.4	6.1	4.0	3.4	3.4	2.7	2.7	2.0	2.7
147.5°	8.1	8.1	7.4	6.1	3.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	7.4	6.7	6.7	4.7	2.7	1.3	2.0	2.0	2.0	2.7	2.7
152.5°	5.4	5.4	4.7	3.4	2.0	0.7	1.3	1.3	2.0	2.0	2.0
155°	3.4	3.4	2.7	2.0	1.3	0.7	0.7	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	2.7	2.7	3.4	4.0	4.0	4.7	4.7	4.7	4.7	4.7	4.7
5°	2.7	2.7	3.4	4.0	4.7	5.4	6.1	6.1	6.1	6.7	6.7
7.5°	3.4	3.4	3.4	4.7	5.4	7.4	20.2	60.5	93.5	96.2	97.5
10°	6.7	6.7	6.7	6.7	14.8	86.1	106.9	111.6	114.3	116.3	116.3
12.5°	90.1	89.4	32.3	16.1	74.0	111.6	118.4	121.7	124.4	126.4	127.1
15°	182.9	183.6	183.6	185.6	134.5	121.7	128.4	189.6	224.6	231.3	234.0
17.5°	200.4	200.4	199.7	222.6	250.2	197.7	220.6	240.8	247.5	250.8	252.2
20°	365.8	365.2	294.6	255.5	264.3	328.2	246.8	256.2	261.6	312.0	313.4
22.5°	403.5	401.5	392.7	394.8	311.4	355.1	338.3	328.2	359.8	358.4	359.8
25°	495.6	447.2	428.4	424.3	451.2	369.2	392.1	339.6	347.7	346.3	347.7
27.5°	649.0	631.5	587.8	497.0	480.8	456.0	392.7	356.4	400.8	410.9	412.2
30°	696.0	673.8	627.4	631.5	536.0	464.0	382.7	394.8	379.3	377.9	375.3
32.5°	954.3	925.4	855.4	688.6	597.2	435.8	384.7	359.1	367.2	394.1	395.4
35°	1063.2	1030.3	981.2	879.0	579.0	427.7	351.7	350.4	355.8	356.4	355.1
37.5°	1187.0	1143.9	1097.5	926.0	604.6	387.4	328.2	328.9	341.0	364.5	361.8
40°	1330.9	1283.1	1207.8	953.6	542.7	363.1	312.7	322.8	335.6	330.2	325.5
42.5°	1492.9	1414.9	1296.6	948.2	472.1	334.9	308.7	315.4	313.4	303.3	300.6
45°	1660.4	1577.7	1383.3	903.2	408.2	316.7	301.3	303.3	295.2	282.4	279.8
47.5°	1853.4	1744.5	1432.4	837.3	357.1	315.4	299.3	292.5	277.1	265.6	265.0
50°	2047.8	1928.7	1509.1	749.2	318.8	310.0	304.0	289.8	271.0	259.6	258.2
52.5°	2238.1	2133.8	1591.8	675.2	289.8	304.0	306.0	291.2	271.0	254.2	253.5
55°	2429.1	2337.6	1681.2	616.7	270.3	303.3	313.4	295.2	275.1	250.2	249.5
57.5°	2620.7	2531.9	1767.3	577.7	261.6	294.6	318.1	308.0	285.8	265.0	266.3
60°	2848.0	2743.1	1868.9	550.1	258.2	289.8	322.1	322.8	292.5	269.0	272.4
62.5°	3071.3	2965.0	1954.9	524.5	249.5	285.1	324.1	334.2	307.3	287.2	290.5
65°	3279.1	3152.7	1994.6	475.5	238.7	279.8	336.2	344.3	318.8	316.7	320.8
67.5°	3358.4	3240.8	1955.6	414.3	232.0	279.8	349.0	358.4	330.9	341.6	352.4
70°	3281.8	3183.6	1857.4	337.6	234.0	281.8	351.0	365.2	348.4	357.1	366.5
72.5°	3043.7	2918.6	1618.7	271.7	234.0	279.1	342.3	354.4	341.6	370.5	380.0
75°	2743.1	2525.2	1288.5	223.9	227.3	277.7	322.1	336.2	323.5	353.7	363.8
77.5°	2265.6	1986.6	891.1	197.7	217.9	265.6	301.3	304.0	291.2	309.3	314.1
80°	1597.9	1338.9	564.2	178.9	208.5	240.1	267.0	262.3	249.5	252.9	256.9
82.5°	891.1	708.1	328.9	164.8	195.7	199.7	218.6	219.9	203.1	203.8	204.4
85°	353.7	327.5	222.6	138.5	158.0	143.9	163.4	170.1	154.0	135.2	131.1
87.5°	234.7	222.6	155.3	94.8	96.8	81.4	106.3	110.3	90.8	78.7	78.0
90°	223.3	216.5	133.8	63.9	53.8	44.4	59.2	57.2	43.7	38.3	39.0
92.5°	230.0	226.0	135.8	61.2	52.5	42.4	52.5	45.1	33.0	28.9	29.6
95°	226.6	224.6	132.5	59.9	49.8	39.0	44.4	36.3	25.6	22.9	22.9
97.5°	107.6	113.7	82.0	53.8	44.4	33.0	34.3	27.6	18.2	16.8	16.1
100°	16.1	25.6	44.4	49.8	33.0	22.9	22.2	18.2	11.4	10.8	10.8
102.5°	16.8	18.2	27.6	34.3	18.2	12.1	12.1	10.8	8.7	10.1	10.1
105°	18.2	16.8	16.1	18.8	10.8	7.4	6.7	6.7	7.4	10.8	11.4
107.5°	19.5	18.2	12.8	10.1	8.1	6.7	5.4	4.7	6.7	11.4	12.1
110°	14.8	14.1	10.8	8.1	8.1	7.4	4.7	4.7	7.4	12.1	13.4



REPORT NUMBER: P416502

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.7	10.1	9.4	7.4	6.7	6.7	4.7	4.7	7.4	12.8	14.1
115°	9.4	9.4	8.1	6.1	5.4	5.4	4.7	4.0	7.4	13.4	14.1
117.5°	9.4	9.4	8.1	6.1	4.7	4.0	4.0	4.0	7.4	13.4	14.1
120°	9.4	9.4	8.1	5.4	4.7	4.0	4.0	4.0	7.4	12.8	14.1
122.5°	8.7	8.7	7.4	5.4	4.0	4.0	4.0	4.0	7.4	12.1	12.8
125°	8.1	8.1	6.7	4.7	4.0	3.4	4.0	4.0	6.7	10.8	11.4
127.5°	6.7	7.4	6.1	4.7	4.0	3.4	4.0	4.0	6.1	9.4	10.1
130°	6.1	6.1	5.4	4.0	3.4	3.4	4.0	4.0	6.1	8.7	9.4
132.5°	4.7	4.7	4.0	4.0	3.4	3.4	3.4	3.4	4.7	7.4	7.4
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.0	5.4	6.1
137.5°	2.7	2.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.7	4.7
140°	2.0	2.7	2.7	3.4	3.4	3.4	3.4	3.4	3.4	4.0	4.0
142.5°	2.0	2.7	2.7	3.4	3.4	3.4	3.4	3.4	4.0	4.7	4.7
145°	2.7	2.7	3.4	3.4	3.4	2.7	3.4	3.4	4.0	4.7	4.7
147.5°	2.7	2.7	3.4	3.4	3.4	2.7	2.7	3.4	4.0	4.7	4.7
150°	2.7	2.7	3.4	3.4	2.7	2.0	2.7	2.7	3.4	4.7	4.7
152.5°	2.7	2.7	2.7	2.7	2.0	1.3	2.0	2.0	2.7	3.4	3.4
155°	2.0	2.0	2.0	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.7
157.5°	1.3	1.3	1.3	2.0	1.3	1.3	0.7	0.7	0.7	1.3	1.3
160°	0.7	0.7	1.3	1.3	1.3	1.3	0.7	0.7	0.7	0.7	0.7
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)