

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: P416492

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416492
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-PA1-70-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 5682 lumens
Efficiency: N/A
Efficacy: 76.8 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

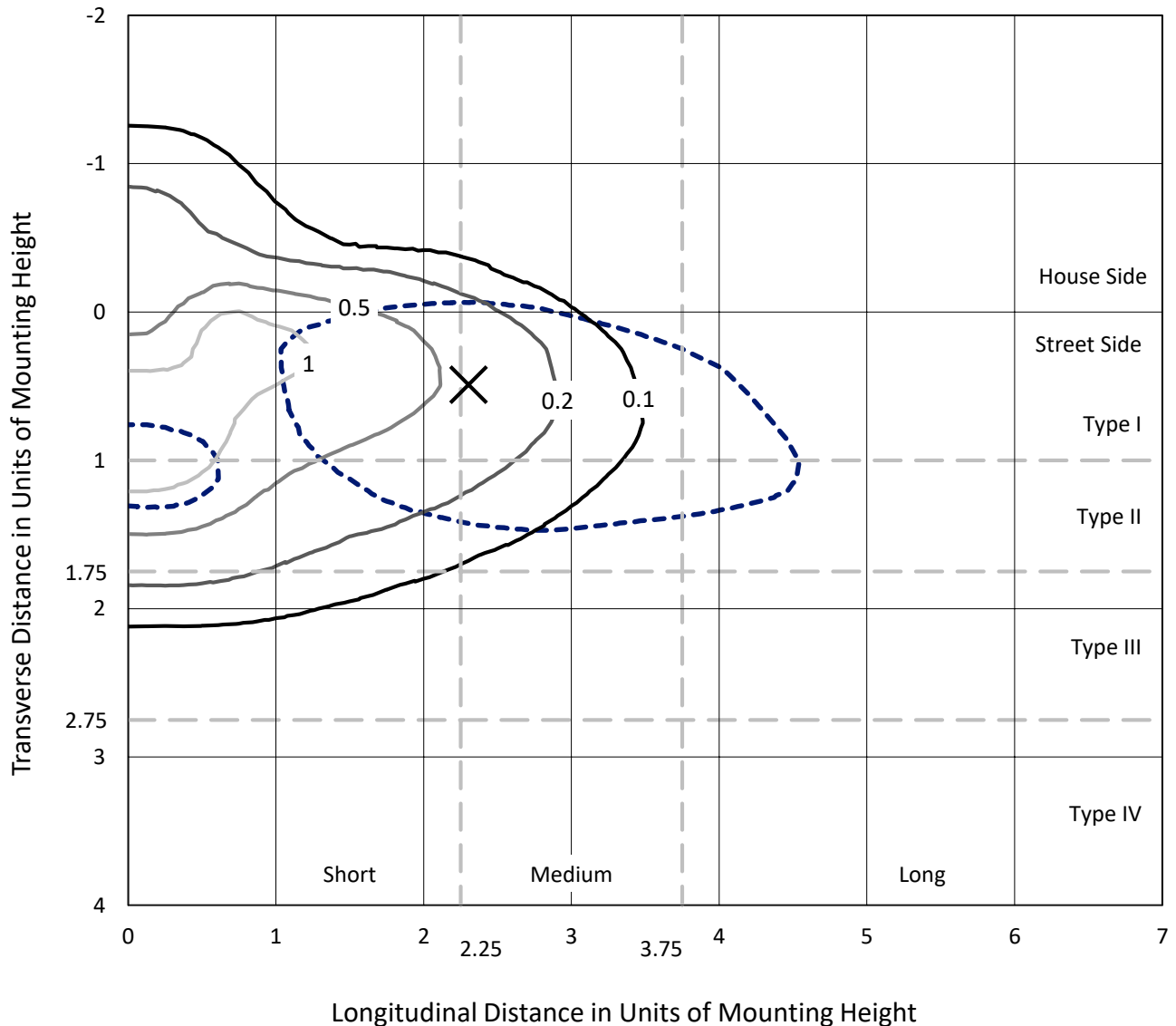
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

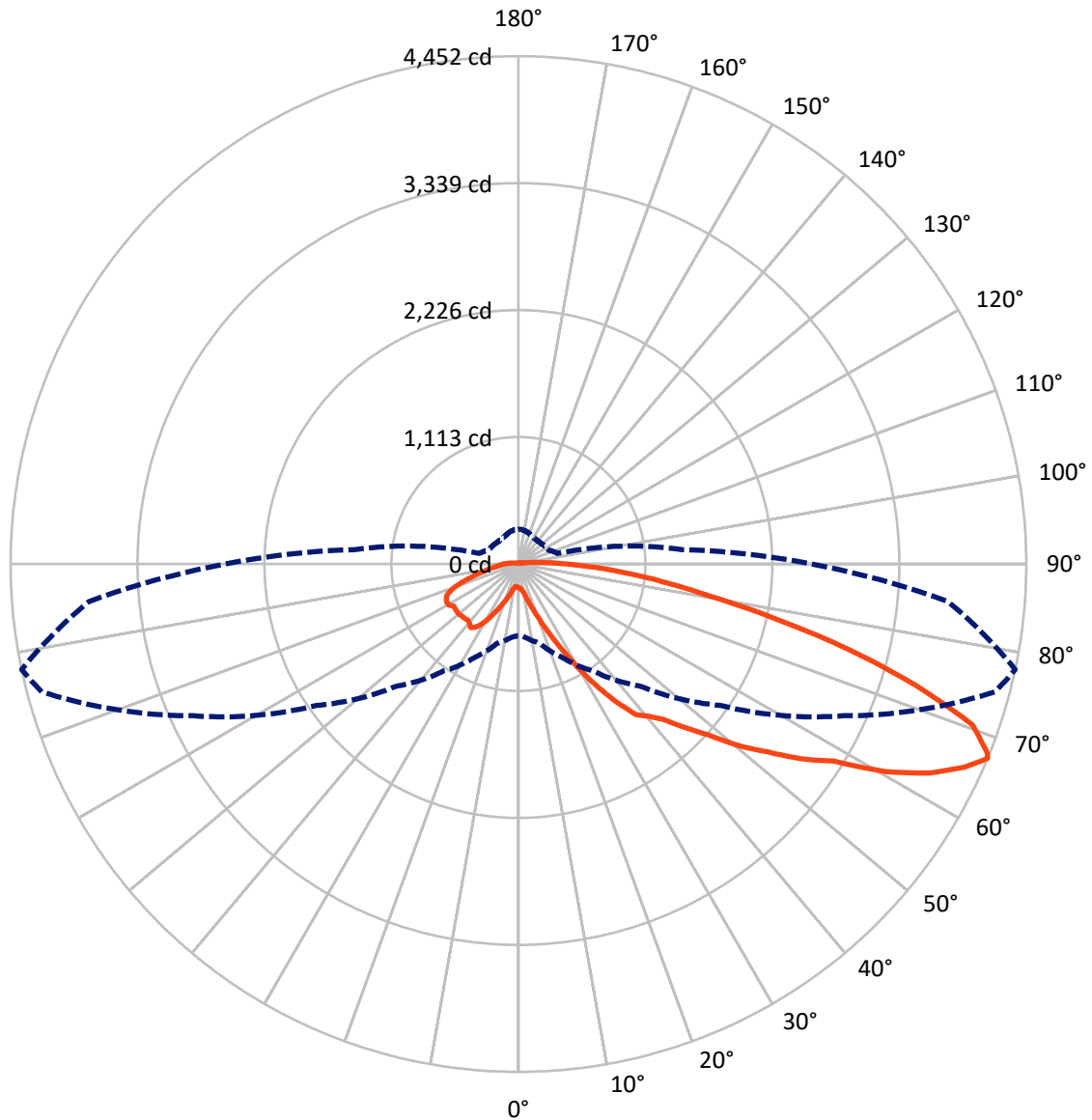
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.2	86.0	1137.1
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	4453.3	91.6	4544.9
	% Fixture	78.4	1.6	80.0
Total	Lumens	5504.4	177.6	5682.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.4
10°-20°	88.4	1.6
20°-30°	265.1	4.7
30°-40°	606.9	10.7
40°-50°	969.3	17.1
50°-60°	1194.6	21.0
60°-70°	1245.1	21.9
70°-80°	807.3	14.2
80°-90°	306.9	5.4
90°-100°	94.8	1.7
100°-110°	36.4	0.6
110°-120°	19.7	0.3
120°-130°	13.0	0.2
130°-140°	8.6	0.2
140°-150°	3.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5504.4	96.9
0°-180°	5682.0	100.0

Coefficient of Utilization



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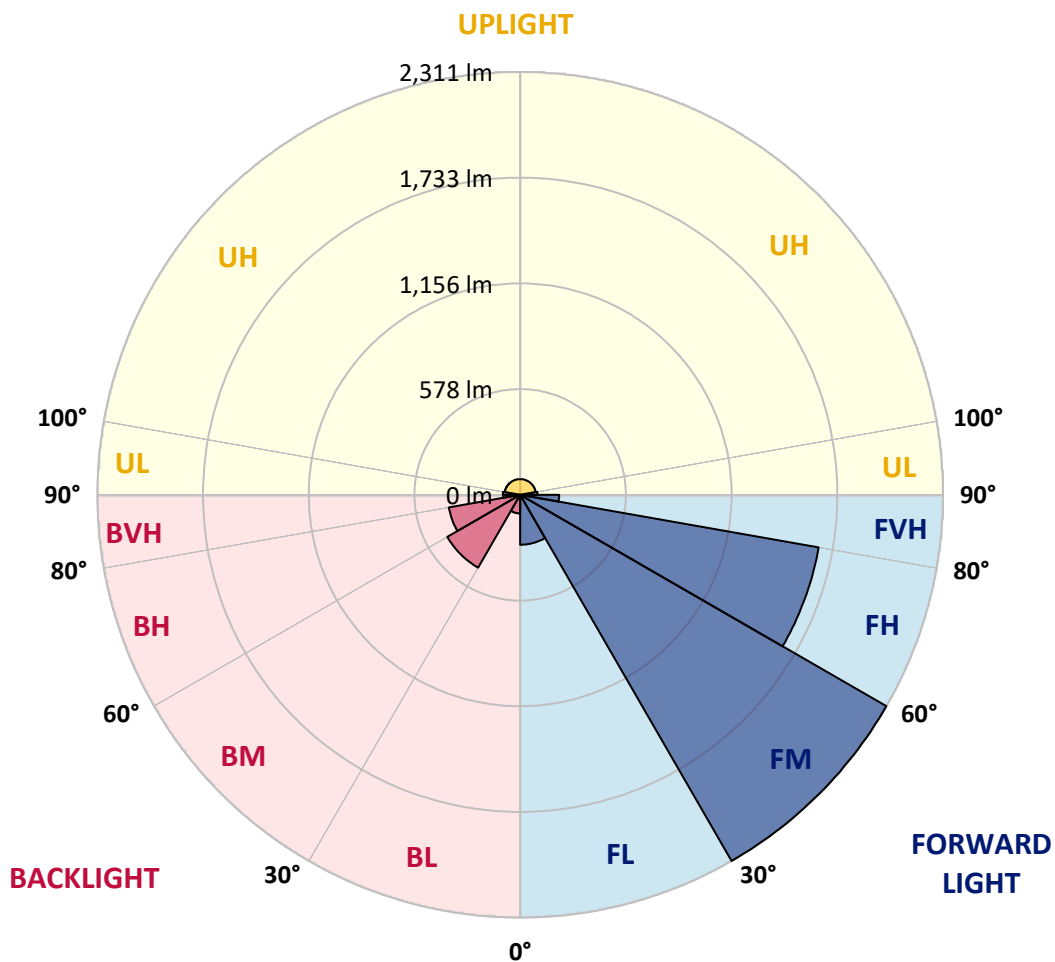
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.8	4.8			
FM	(30°-60°)	2311.2	40.7			
FH	(60°-80°)	1656.4	29.2			G1/1800
FVH	(80°-90°)	212.9	3.7			G2/225
BL	(0°-30°)	101.5	1.8	B0/110		
BM	(30°-60°)	459.6	8.1	B1/1000		
BH	(60°-80°)	396.0	7.0	B1/500		G1/500
BVH	(80°-90°)	94.0	1.7			G1/100
UL	(90°-100°)	94.8	1.7		U3/500	
UH	(100°-180°)	86.0	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1
2.5°	234.0	233.4	232.7	231.4	228.7	226.0	221.9	216.6	212.5	211.9	207.8
5°	263.6	261.6	261.6	258.3	252.9	247.5	239.4	230.0	222.6	218.6	212.5
7.5°	300.0	295.9	297.3	291.9	284.5	275.1	262.3	249.5	235.4	231.4	222.6
10°	343.7	341.0	338.3	331.6	322.8	308.0	295.9	277.1	258.3	252.9	239.4
12.5°	396.8	397.5	389.4	382.0	367.2	352.4	337.6	319.5	298.6	292.6	275.1
15°	471.5	470.8	462.0	445.2	427.1	410.9	398.8	379.3	359.1	352.4	326.2
17.5°	558.9	556.9	550.1	520.6	502.4	489.6	472.1	460.0	431.1	423.7	391.4
20°	686.7	674.6	659.1	619.4	592.5	576.4	562.3	546.8	515.8	503.1	464.7
22.5°	828.6	834.6	806.4	745.2	700.1	670.5	655.7	647.7	624.1	615.4	557.5
25°	1004.8	1004.8	960.4	893.1	834.6	779.5	776.1	785.5	753.9	747.9	686.7
27.5°	1190.4	1197.8	1139.3	1067.3	978.6	914.0	910.6	918.7	916.0	898.5	811.1
30°	1402.3	1395.5	1329.6	1242.2	1124.5	1048.5	1039.1	1097.6	1102.3	1090.2	994.7
32.5°	1649.1	1643.7	1561.0	1425.8	1280.5	1193.1	1199.2	1281.9	1314.2	1293.3	1181.7
35°	1949.0	1955.8	1826.0	1635.6	1444.0	1343.1	1349.8	1453.4	1513.9	1488.3	1362.6
37.5°	2257.1	2259.1	2140.0	1882.5	1619.5	1476.2	1492.4	1618.8	1696.8	1676.0	1503.1
40°	2452.1	2472.3	2358.0	2113.1	1804.4	1609.4	1622.9	1748.0	1793.7	1754.7	1551.6
42.5°	2622.9	2638.4	2522.1	2259.1	1945.0	1728.4	1723.7	1818.6	1884.5	1860.3	1651.1
45°	2707.0	2737.3	2632.4	2360.6	2043.9	1821.3	1784.9	1926.9	2073.5	2043.2	1812.5
47.5°	2645.8	2682.8	2638.4	2413.8	2088.3	1879.8	1887.8	2082.9	2272.5	2238.9	1988.7
50°	2446.1	2490.4	2505.2	2374.1	2099.7	1908.7	1994.8	2257.1	2511.3	2504.6	2205.3
52.5°	2205.3	2228.8	2293.4	2254.4	2057.3	1942.3	2110.5	2425.9	2757.4	2736.6	2384.9
55°	1982.7	2013.6	2066.7	2043.9	1952.4	1946.4	2201.9	2614.2	3019.1	3016.4	2610.8
57.5°	1676.0	1719.0	1830.7	1843.5	1816.6	1921.5	2268.5	2762.2	3250.4	3259.8	2837.5
60°	1286.6	1322.9	1492.4	1627.6	1651.1	1863.0	2302.1	2924.9	3645.9	3695.0	3233.6
62.5°	1043.1	1049.8	1178.3	1347.1	1507.2	1756.0	2307.5	3130.7	3991.6	4036.0	3471.0
65°	780.8	779.5	897.9	1090.2	1312.8	1630.9	2290.7	3195.3	4179.2	4292.9	3697.7
67°	627.5	642.3	718.3	901.2	1144.7	1513.9	2160.2	3147.5	4326.5	4451.6	3780.4
67.5°	603.3	610.7	679.9	852.8	1106.3	1478.9	2121.9	3135.4	4325.8	4432.1	3755.5
70°	481.5	491.6	542.1	656.4	885.1	1249.6	1852.2	2854.3	4069.6	4224.3	3527.5
72.5°	371.9	380.0	415.6	502.4	673.9	1006.1	1532.1	2456.1	3524.2	3646.6	2990.8
75°	283.1	285.8	319.5	378.6	514.5	767.4	1183.0	1934.2	2898.0	2990.8	2430.6
77.5°	219.3	225.3	250.9	290.5	382.0	577.7	890.5	1506.5	2305.5	2291.4	1848.2
80°	170.8	176.2	195.0	222.6	286.5	424.4	651.7	1113.7	1684.1	1700.9	1353.2
82.5°	137.2	141.2	154.0	174.2	220.6	322.8	476.2	832.6	1280.5	1274.5	992.0
85°	109.6	112.3	121.7	139.2	170.2	244.8	351.7	618.7	903.9	911.3	677.3
87.5°	85.4	88.8	99.5	110.3	134.5	186.3	259.6	429.1	601.3	607.3	465.4
90°	66.6	68.6	78.0	89.4	109.0	141.2	187.6	293.9	387.4	380.0	299.3
92.5°	49.1	51.1	59.9	70.6	84.7	109.0	135.2	188.3	226.6	231.4	187.0
95°	35.0	37.0	44.4	52.5	64.6	82.7	96.2	119.7	139.2	135.2	119.7
97.5°	26.9	27.6	33.0	39.0	49.1	63.9	71.3	82.7	91.5	89.4	83.4
100°	21.5	22.2	26.2	29.6	38.3	50.4	57.2	63.2	68.6	66.6	63.9
102.5°	18.2	18.8	21.5	24.2	31.6	42.4	46.4	50.4	52.5	52.5	51.1
105°	15.5	16.1	18.2	20.8	26.9	35.0	37.7	39.7	41.7	41.0	41.0
107.5°	14.1	14.1	16.1	18.2	23.5	29.6	30.9	31.6	32.3	32.3	33.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	12.8	13.5	14.8	16.1	20.8	26.2	26.2	25.6	25.6	25.6	27.6
112.5°	12.1	12.8	13.5	15.5	19.5	22.9	22.2	20.8	20.8	21.5	23.5
115°	12.1	12.1	12.8	14.8	18.2	20.8	19.5	17.5	17.5	18.2	20.2
117.5°	12.1	12.1	13.5	14.8	17.5	18.8	17.5	15.5	14.8	15.5	17.5
120°	12.8	12.8	13.5	14.8	16.1	17.5	16.1	14.1	13.5	14.1	16.1
122.5°	13.5	13.5	13.5	14.8	15.5	16.1	14.8	12.8	12.1	12.8	14.8
125°	14.1	14.1	14.1	14.8	15.5	14.8	13.5	12.1	12.1	12.1	14.1
127.5°	15.5	15.5	15.5	15.5	14.8	14.1	12.8	11.4	12.1	12.1	13.5
130°	16.8	16.8	16.1	15.5	14.8	13.5	12.1	10.8	11.4	12.1	13.5
132.5°	17.5	16.8	16.1	14.8	14.1	12.1	10.8	10.1	10.8	11.4	12.8
135°	16.1	16.1	14.8	13.5	12.8	10.8	9.4	9.4	10.1	10.8	11.4
137.5°	14.1	14.1	13.5	12.1	11.4	10.1	8.7	8.1	9.4	10.1	10.8
140°	12.1	12.1	11.4	10.1	9.4	8.7	7.4	6.7	8.1	8.7	9.4
142.5°	10.1	10.1	9.4	8.1	8.1	7.4	6.1	6.1	7.4	7.4	8.1
145°	8.1	8.1	8.1	6.7	6.7	6.1	4.7	5.4	6.1	6.7	6.7
147.5°	6.7	6.7	6.7	5.4	5.4	4.7	3.4	4.0	4.7	5.4	5.4
150°	5.4	5.4	5.4	4.7	4.0	3.4	2.7	3.4	3.4	4.0	4.0
152.5°	4.0	4.0	4.0	3.4	3.4	2.0	2.0	2.7	2.7	3.4	3.4
155°	2.7	2.7	3.4	2.7	2.0	1.3	2.0	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
160°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1
2.5°	205.8	204.5	201.1	197.7	194.4	191.7	188.3	187.6	187.6	186.3	186.3
5°	208.5	204.5	196.4	189.7	182.3	176.2	171.5	169.5	167.5	166.1	164.8
7.5°	214.5	207.8	194.4	183.6	172.8	163.4	156.7	153.3	151.3	149.3	150.0
10°	228.7	218.6	199.1	181.6	165.4	152.7	144.6	140.6	139.2	137.2	137.2
12.5°	258.9	245.5	217.2	187.6	162.8	145.3	135.9	134.5	135.9	137.9	137.9
15°	306.7	286.5	245.5	204.5	168.8	143.9	138.5	142.6	147.3	150.0	150.0
17.5°	365.2	337.6	279.1	224.0	177.6	156.0	149.3	154.7	160.7	164.8	164.8
20°	429.8	392.8	313.4	240.8	190.3	172.8	165.4	170.2	178.2	184.3	183.6
22.5°	513.8	460.0	353.1	255.6	205.8	188.3	183.6	189.7	201.8	209.8	210.5
25°	618.1	544.1	399.5	275.1	219.9	201.8	203.1	213.9	230.0	238.8	238.8
27.5°	729.0	635.6	439.2	294.6	234.7	215.9	222.6	237.4	254.9	265.0	266.3
30°	875.7	753.3	488.9	314.1	247.5	230.0	238.1	255.6	268.3	274.4	275.1
32.5°	1025.0	864.9	528.6	334.3	259.6	240.1	247.5	264.3	275.7	282.5	281.8
35°	1160.1	955.0	552.2	343.7	270.4	247.5	250.9	269.0	275.7	279.8	279.1
37.5°	1263.7	1019.6	560.9	345.7	274.4	250.9	252.2	267.7	277.1	284.5	283.1
40°	1281.2	1010.8	528.0	333.6	273.7	250.9	253.6	271.0	281.1	284.5	283.8
42.5°	1345.8	1035.1	499.7	312.1	265.7	250.2	256.2	272.4	277.1	275.1	273.1
45°	1458.1	1086.2	491.6	301.3	255.6	248.2	257.6	269.0	268.3	264.3	263.0
47.5°	1569.1	1135.3	474.1	296.6	252.9	247.5	256.9	265.0	267.0	263.0	261.6
50°	1710.3	1200.5	460.0	289.9	253.6	247.5	255.6	265.0	266.3	259.6	258.9
52.5°	1836.7	1245.6	439.2	283.8	254.2	249.5	255.6	265.0	265.7	258.9	257.6
55°	1968.5	1293.3	417.7	277.8	256.2	251.5	257.6	265.7	266.3	261.6	260.3
57.5°	2100.4	1335.0	393.4	273.1	258.3	255.6	258.9	266.3	271.7	270.4	270.4
60°	2369.4	1454.7	389.4	273.7	260.3	258.9	260.3	269.7	279.8	276.4	277.1
62.5°	2475.7	1480.3	382.0	282.5	266.3	261.6	262.3	272.4	283.1	287.9	287.2
65°	2572.5	1482.3	367.2	288.5	273.7	263.6	263.6	273.1	291.2	302.0	302.0
67°	2567.1	1441.9	356.5	289.2	277.1	265.7	263.0	273.1	291.9	304.0	304.7
67.5°	2536.2	1415.7	352.4	289.2	277.8	265.7	262.3	272.4	291.9	304.7	304.7
70°	2349.9	1277.8	326.2	281.8	275.7	262.3	258.3	265.7	287.9	305.3	305.3
72.5°	1946.4	1051.9	289.2	263.6	263.0	253.6	247.5	255.6	277.1	295.2	294.6
75°	1573.1	840.7	252.2	236.7	243.5	236.7	232.0	238.1	258.9	277.1	275.7
77.5°	1175.6	631.5	217.9	211.2	220.6	215.9	211.9	217.9	238.1	255.6	252.9
80°	868.9	486.9	189.7	187.0	193.7	192.3	191.0	193.7	211.2	222.6	220.6
82.5°	639.6	370.6	163.4	161.4	169.5	169.5	169.5	171.5	184.3	188.3	186.3
85°	454.6	279.1	143.9	138.5	145.3	148.6	150.7	151.3	158.0	158.7	154.0
87.5°	320.1	219.9	129.1	117.7	121.1	128.5	131.8	131.1	133.8	131.8	127.1
90°	223.3	172.8	117.0	100.2	100.2	107.6	113.0	112.3	113.0	107.6	102.9
92.5°	157.4	130.5	98.9	82.7	81.4	88.8	93.5	92.8	92.8	87.4	82.7
95°	105.6	96.2	78.7	66.6	64.6	70.6	75.3	74.0	74.0	68.6	66.6
97.5°	78.0	73.3	64.6	56.5	52.5	55.8	59.2	59.2	59.9	56.5	54.5
100°	61.2	59.2	55.1	48.4	44.4	45.1	47.1	47.1	49.8	47.1	45.7
102.5°	51.1	49.8	46.4	41.7	38.3	37.7	39.0	39.7	43.0	41.0	40.4
105°	42.4	41.7	39.7	35.6	33.0	33.0	33.0	33.6	37.0	35.6	35.6
107.5°	34.3	34.3	34.3	30.9	28.9	28.9	28.2	28.9	31.6	31.6	31.6



REPORT NUMBER: P416492

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.9	28.9	29.6	26.9	25.6	25.6	24.9	25.6	28.2	28.9	28.9
112.5°	24.9	24.9	25.6	24.2	22.9	22.9	22.2	22.2	24.9	26.9	26.9
115°	21.5	22.2	22.2	21.5	20.8	20.2	19.5	20.2	22.9	24.9	24.9
117.5°	18.8	19.5	20.2	19.5	18.8	18.2	17.5	18.2	20.8	23.5	23.5
120°	16.8	17.5	18.2	18.2	17.5	16.8	15.5	16.8	18.8	21.5	22.2
122.5°	15.5	16.1	16.1	16.1	16.1	14.8	14.1	14.8	16.8	19.5	20.2
125°	14.8	14.8	15.5	15.5	14.8	13.5	12.8	13.5	14.8	16.8	17.5
127.5°	14.1	14.1	14.8	14.8	13.5	12.1	11.4	12.1	13.5	14.8	14.8
130°	14.1	14.1	14.1	13.5	12.8	11.4	10.1	10.8	12.1	13.5	13.5
132.5°	13.5	12.8	12.8	12.8	11.4	10.1	9.4	9.4	10.8	12.1	12.1
135°	12.1	12.1	11.4	11.4	10.8	8.7	8.1	8.1	9.4	10.8	10.8
137.5°	10.8	10.8	10.1	10.1	9.4	8.1	6.7	7.4	8.7	8.7	9.4
140°	9.4	9.4	8.7	8.7	8.1	6.7	5.4	6.1	7.4	7.4	8.1
142.5°	8.1	8.1	8.1	7.4	6.7	5.4	4.7	5.4	6.7	6.7	6.7
145°	6.7	6.7	6.7	6.1	5.4	4.0	3.4	4.7	6.1	5.4	5.4
147.5°	5.4	5.4	5.4	5.4	4.0	3.4	2.7	4.0	4.7	4.7	4.7
150°	4.0	4.0	4.0	4.0	3.4	2.0	2.0	3.4	4.0	4.0	4.0
152.5°	3.4	3.4	3.4	4.0	3.4	1.3	1.3	2.7	3.4	3.4	3.4
155°	2.7	2.7	3.4	3.4	2.7	1.3	0.7	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.7	2.7	2.0	1.3	0.7	1.3	2.7	2.0	2.0
160°	1.3	2.0	2.0	2.0	2.0	1.3	0.0	1.3	2.0	1.3	1.3
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)