

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: P415670

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415670
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-PA1-50-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4686 lumens
Efficiency: N/A
Efficacy: 86.8 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): 54
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

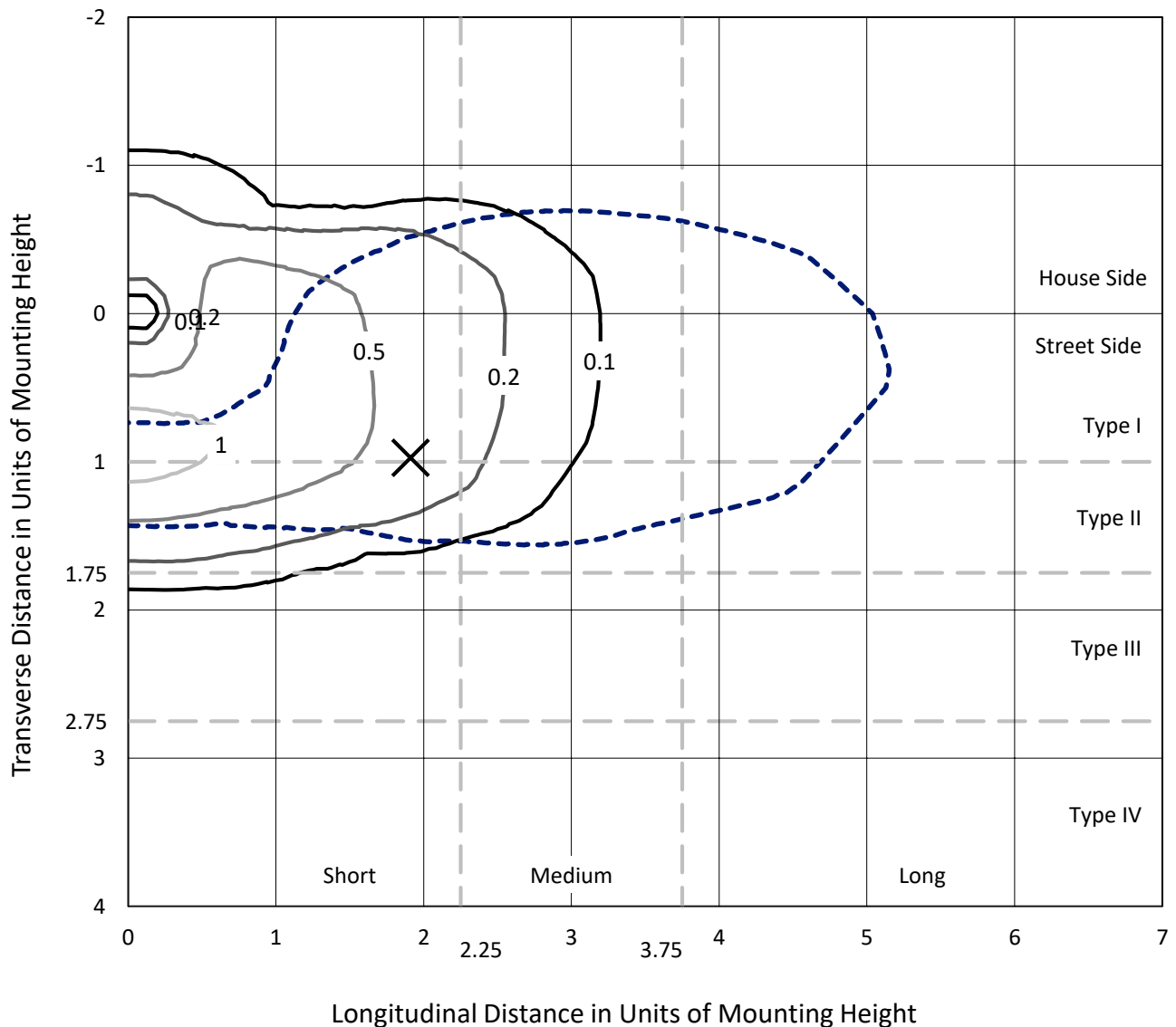


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

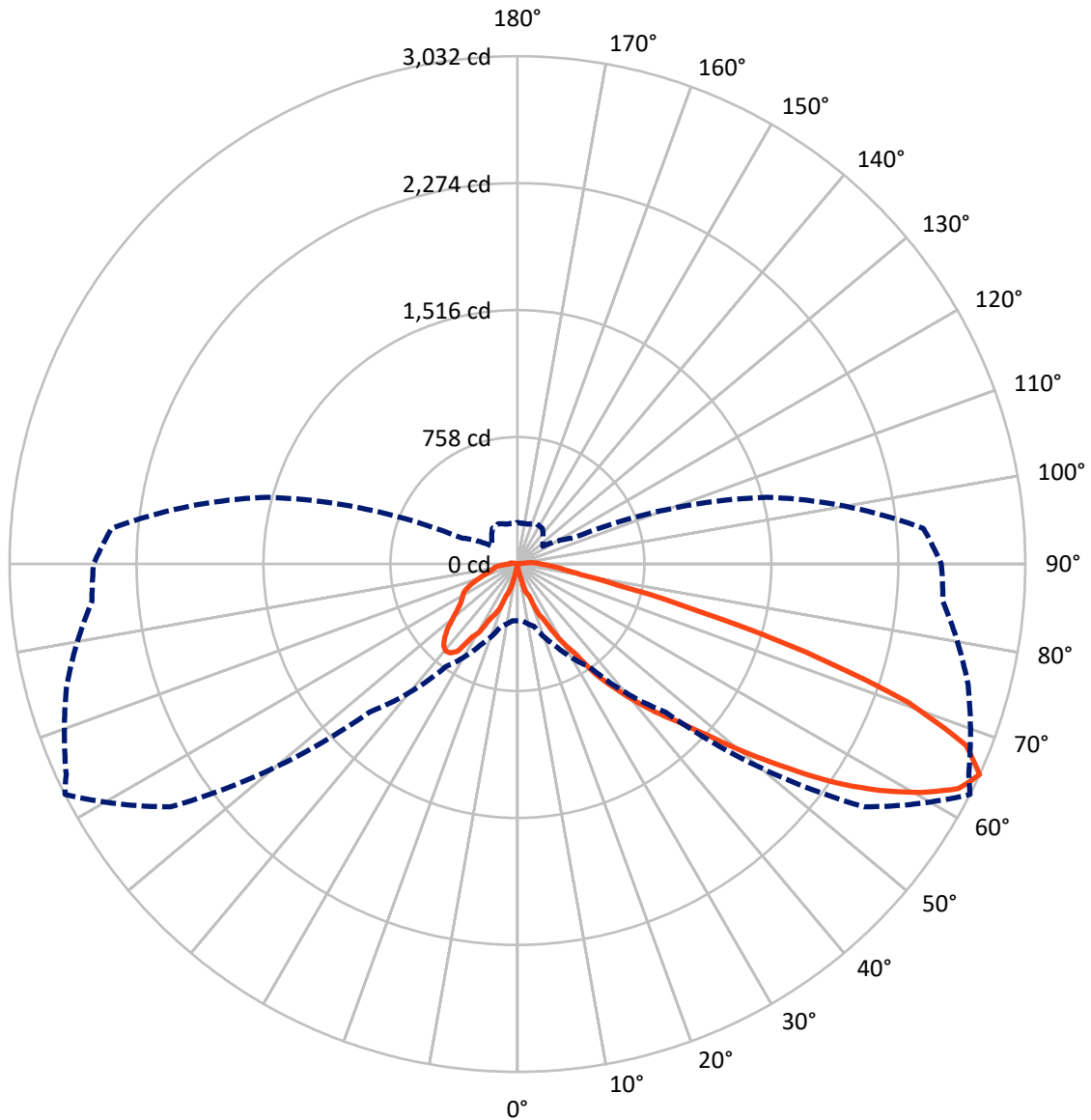


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Non-Cutoff

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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	1333.6	38.7	1372.3
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	3277.7	36.1	3313.7
	% Fixture	69.9	0.8	70.7
Total	Lumens	4611.2	74.8	4686.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	42.1	0.9
20°-30°	172.2	3.7
30°-40°	447.3	9.5
40°-50°	850.6	18.2
50°-60°	1145.0	24.4
60°-70°	1084.7	23.1
70°-80°	679.7	14.5
80°-90°	186.6	4.0
90°-100°	52.2	1.1
100°-110°	9.7	0.2
110°-120°	4.7	0.1
120°-130°	3.4	0.1
130°-140°	2.2	0.0
140°-150°	1.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4611.2	98.4
0°-180°	4686.0	100.0



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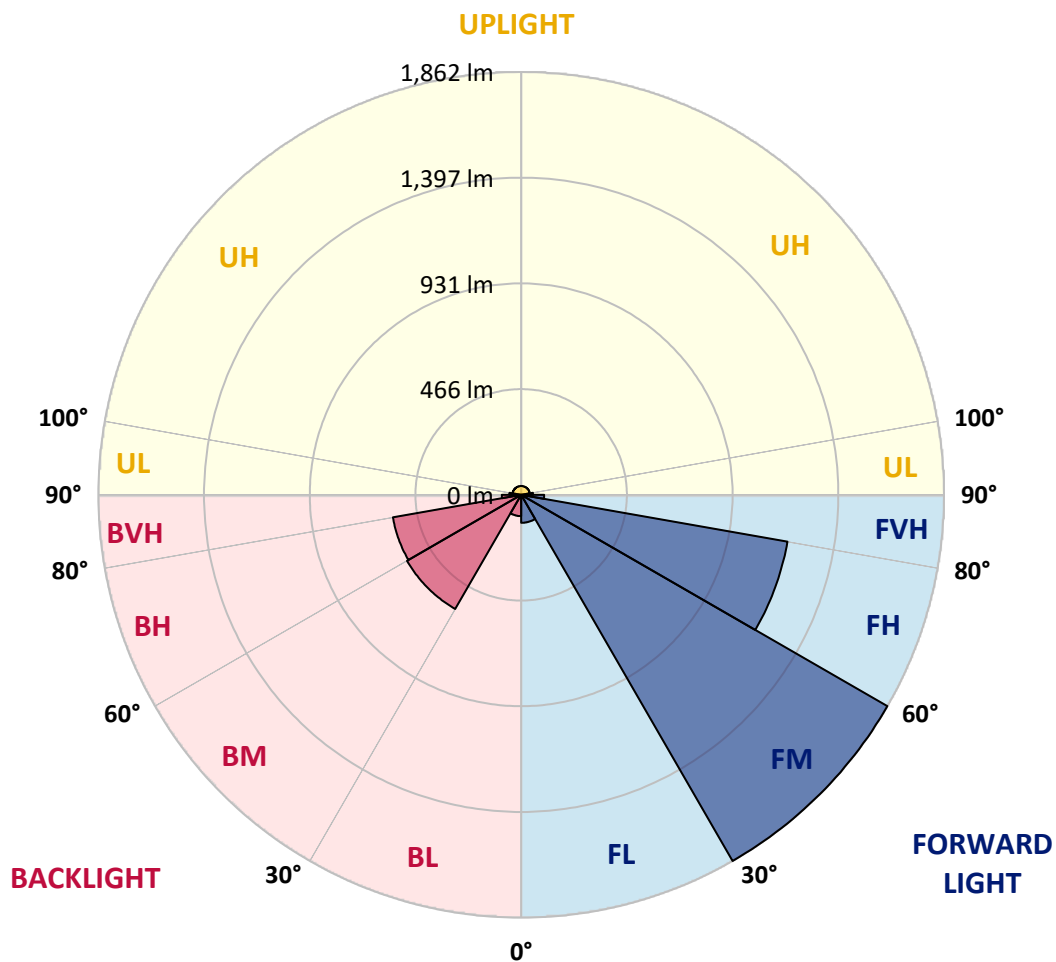
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.3	2.6			
FM (30°-60°)	1862.3	39.7			
FH (60°-80°)	1190.8	25.4			G1/1800
FVH (80°-90°)	101.2	2.2			G2/225
BL (0°-30°)	93.9	2.0	B0/110		
BM (30°-60°)	580.6	12.4	B1/1000		
BH (60°-80°)	573.6	12.2	B2/1000		G2/1000
BVH (80°-90°)	85.4	1.8			G1/100
UL (90°-100°)	52.2	1.1		U3/500	
UH (100°-180°)	38.7	0.8		U2/50	

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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	6.2	5.7	6.2	6.2	5.7	5.2	4.7	4.2	3.6	2.6	2.1
5°	73.2	73.7	72.7	71.1	25.4	11.4	6.7	5.2	4.7	3.1	2.6
7.5°	84.1	83.6	83.0	82.0	78.4	73.7	40.0	9.3	7.3	4.2	2.6
10°	92.4	91.3	88.7	88.2	84.6	82.0	75.8	48.8	41.0	7.3	5.2
12.5°	168.2	164.5	161.4	133.4	93.4	88.2	84.6	73.7	72.1	46.2	69.0
15°	175.9	176.5	174.4	171.3	164.0	110.0	137.0	166.1	165.6	143.2	141.2
17.5°	199.8	198.3	190.5	182.7	180.1	195.7	194.1	185.3	185.3	164.0	155.2
20°	308.8	306.2	301.5	251.2	223.7	252.7	237.2	206.6	207.6	253.3	275.1
22.5°	357.6	356.5	347.2	324.9	316.6	278.7	312.4	323.3	317.1	320.7	307.2
25°	489.4	484.2	443.2	403.8	408.4	376.3	375.7	369.0	365.4	349.3	373.7
27.5°	622.8	618.6	609.3	553.8	471.8	453.6	424.5	463.5	453.1	490.4	498.8
30°	825.2	787.3	708.4	671.1	644.1	557.4	549.1	561.0	557.9	547.5	538.2
32.5°	1035.9	1020.3	974.1	837.7	752.0	702.2	677.8	641.0	623.8	735.4	743.2
35°	1256.0	1241.4	1128.3	1048.9	902.0	821.0	807.6	812.7	789.9	844.4	831.4
37.5°	1643.1	1635.9	1522.2	1275.7	1122.1	963.8	945.1	938.9	903.0	942.5	943.0
40°	1891.7	1879.8	1754.2	1572.5	1325.0	1193.2	1102.3	1066.5	1057.2	1059.3	1059.8
42.5°	2076.5	2057.3	1984.1	1817.0	1558.5	1403.9	1275.7	1206.7	1225.3	1189.0	1186.9
45°	2196.4	2186.0	2119.6	1980.0	1800.9	1724.1	1497.3	1341.6	1404.4	1339.5	1336.4
47.5°	2223.4	2218.7	2172.5	2102.4	2027.7	1995.5	1764.6	1526.4	1584.0	1555.4	1497.3
50°	2106.1	2110.2	2093.1	2118.5	2200.0	2236.9	2046.4	1771.3	1803.0	1735.0	1660.8
52.5°	1849.7	1849.2	1911.4	2024.1	2263.3	2410.7	2307.4	2026.1	2024.6	1901.6	1817.5
55°	1484.8	1512.9	1618.2	1793.1	2176.7	2490.6	2555.0	2306.4	2262.8	2096.2	1957.1
57.5°	1131.4	1167.7	1297.0	1455.8	1930.1	2434.1	2735.1	2549.8	2504.7	2271.6	2105.0
60°	765.5	779.5	942.5	1126.2	1535.2	2216.6	2819.7	2769.3	2719.5	2450.7	2254.5
62.5°	510.2	522.6	616.0	839.7	1100.8	1801.4	2765.2	2954.6	2888.7	2662.4	2410.7
65°	339.4	339.4	385.6	540.3	748.9	1250.8	2526.5	3031.9	2972.3	2784.9	2549.3
67.5°	250.2	254.3	269.4	348.2	510.2	748.4	2009.5	2889.2	2895.5	2798.9	2593.4
70°	226.8	229.4	242.4	262.6	364.3	445.3	1328.1	2475.1	2582.5	2693.0	2536.8
72.5°	198.3	199.3	220.1	241.9	287.0	341.5	772.3	1798.8	2024.6	2462.6	2381.1
75°	166.1	167.6	184.2	216.9	248.1	286.5	411.0	1095.1	1319.8	2114.4	2175.1
77.5°	134.9	138.6	152.1	177.5	227.8	240.3	315.5	625.9	764.5	1574.6	1838.8
80°	103.8	107.4	119.4	139.6	186.3	212.3	262.1	385.1	463.5	978.8	1285.0
82.5°	71.1	73.7	85.6	100.7	133.4	177.0	216.9	283.9	306.7	535.6	708.9
85°	50.3	51.9	59.7	66.4	83.0	116.3	181.1	225.2	231.5	283.9	288.6
87.5°	28.5	28.0	29.1	33.7	37.9	45.2	106.9	165.0	172.8	197.7	183.7
90°	19.7	19.2	16.1	15.6	17.6	19.2	60.7	131.3	138.1	159.3	163.5
92.5°	20.8	19.7	15.6	14.5	16.6	17.6	40.5	114.7	129.2	159.3	168.2
95°	19.7	18.7	14.0	12.5	15.1	15.6	24.9	78.9	101.7	149.0	164.5
97.5°	17.1	16.1	11.4	10.4	12.5	12.5	14.0	36.3	49.8	69.5	78.4
100°	14.0	13.0	9.3	8.3	8.8	9.3	8.8	18.2	18.2	19.2	15.1
102.5°	12.5	11.9	7.8	6.7	6.2	6.2	5.7	8.8	9.3	10.4	13.0
105°	10.9	10.4	6.7	5.7	4.7	4.7	4.2	5.7	6.2	8.8	12.5
107.5°	7.8	7.8	5.7	4.7	4.2	4.2	3.1	4.7	5.2	7.8	13.0
110°	5.2	5.2	4.2	4.2	3.6	4.2	3.1	4.7	4.7	6.2	9.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	4.2	4.2	3.6	3.1	2.6	3.1	3.6	4.2	4.2	4.7	6.2
115°	4.2	3.6	3.1	2.6	2.1	2.6	2.6	3.6	3.6	4.7	6.2
117.5°	4.2	4.2	3.1	2.6	2.1	2.1	2.6	3.1	3.1	4.7	6.7
120°	4.2	4.2	3.1	2.6	2.1	1.6	2.1	3.1	3.1	4.2	6.2
122.5°	4.2	4.2	3.1	2.6	2.1	1.6	2.1	2.6	2.6	3.6	6.2
125°	4.7	4.7	3.6	2.6	2.1	1.6	2.1	2.1	2.1	3.6	5.7
127.5°	4.7	4.7	3.6	2.6	2.1	1.6	2.1	2.1	2.1	3.1	4.7
130°	4.7	4.7	3.6	2.6	2.1	1.6	2.1	1.6	1.6	2.6	4.2
132.5°	4.7	4.2	3.6	3.1	2.6	2.1	2.1	1.6	1.6	1.6	3.1
135°	4.2	4.2	3.6	3.1	2.6	2.1	2.1	1.6	1.6	1.6	2.1
137.5°	4.2	4.2	4.2	3.6	3.1	2.6	2.1	1.6	1.6	1.6	1.6
140°	4.7	4.7	4.7	4.2	3.1	2.6	2.1	1.6	1.6	1.6	1.6
142.5°	5.2	5.2	5.2	4.7	3.1	2.6	2.6	1.6	1.6	1.6	1.6
145°	5.7	5.7	5.7	4.7	3.1	2.6	2.6	2.1	2.1	1.6	2.1
147.5°	6.2	6.2	5.7	4.7	2.6	2.1	2.1	2.1	2.1	2.1	2.1
150°	5.7	5.2	5.2	3.6	2.1	1.0	1.6	1.6	1.6	2.1	2.1
152.5°	4.2	4.2	3.6	2.6	1.6	0.5	1.0	1.0	1.6	1.6	1.6
155°	2.6	2.6	2.1	1.6	1.0	0.5	0.5	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	2.1	2.1	2.6	3.1	3.1	3.6	3.6	3.6	3.6	3.6	3.6
5°	2.1	2.1	2.6	3.1	3.6	4.2	4.7	4.7	4.7	5.2	5.2
7.5°	2.6	2.6	2.6	3.6	4.2	5.7	15.6	46.7	72.1	74.2	75.3
10°	5.2	5.2	5.2	5.2	11.4	66.4	82.5	86.2	88.2	89.8	89.8
12.5°	69.5	69.0	24.9	12.5	57.1	86.2	91.3	93.9	96.0	97.6	98.1
15°	141.2	141.7	141.7	143.2	103.8	93.9	99.1	146.4	173.3	178.5	180.6
17.5°	154.7	154.7	154.1	171.8	193.1	152.6	170.2	185.8	191.0	193.6	194.6
20°	282.3	281.8	227.3	197.2	204.0	253.3	190.5	197.7	201.9	240.8	241.9
22.5°	311.4	309.8	303.1	304.6	240.3	274.0	261.1	253.3	277.7	276.6	277.7
25°	382.5	345.1	330.6	327.5	348.2	284.9	302.6	262.1	268.3	267.3	268.3
27.5°	500.8	487.3	453.6	383.5	371.1	351.9	303.1	275.1	309.3	317.1	318.1
30°	537.2	520.0	484.2	487.3	413.6	358.1	295.3	304.6	292.7	291.7	289.6
32.5°	736.4	714.1	660.2	531.4	460.9	336.3	296.9	277.1	283.4	304.1	305.2
35°	820.5	795.1	757.2	678.3	446.9	330.1	271.4	270.4	274.5	275.1	274.0
37.5°	916.0	882.8	847.0	714.7	466.6	298.9	253.3	253.8	263.1	281.3	279.2
40°	1027.1	990.2	932.1	735.9	418.8	280.3	241.3	249.1	259.0	254.8	251.2
42.5°	1152.2	1092.0	1000.6	731.8	364.3	258.5	238.2	243.4	241.9	234.1	232.0
45°	1281.4	1217.6	1067.6	697.0	315.0	244.4	232.5	234.1	227.8	218.0	215.9
47.5°	1430.3	1346.3	1105.5	646.1	275.6	243.4	231.0	225.8	213.8	205.0	204.5
50°	1580.3	1488.5	1164.6	578.2	246.0	239.3	234.6	223.7	209.2	200.3	199.3
52.5°	1727.2	1646.8	1228.5	521.1	223.7	234.6	236.1	224.7	209.2	196.2	195.7
55°	1874.6	1804.0	1297.5	475.9	208.6	234.1	241.9	227.8	212.3	193.1	192.5
57.5°	2022.5	1954.0	1363.9	445.8	201.9	227.3	245.5	237.7	220.6	204.5	205.5
60°	2197.9	2117.0	1442.3	424.5	199.3	223.7	248.6	249.1	225.8	207.6	210.2
62.5°	2370.2	2288.2	1508.7	404.8	192.5	220.1	250.2	257.9	237.2	221.6	224.2
65°	2530.6	2433.0	1539.3	366.9	184.2	215.9	259.5	265.7	246.0	244.4	247.6
67.5°	2591.8	2501.0	1509.2	319.7	179.1	215.9	269.4	276.6	255.3	263.6	272.0
70°	2532.7	2456.9	1433.5	260.5	180.6	217.5	270.9	281.8	268.8	275.6	282.9
72.5°	2349.0	2252.4	1249.2	209.7	180.6	215.4	264.2	273.5	263.6	286.0	293.2
75°	2117.0	1948.8	994.4	172.8	175.4	214.3	248.6	259.5	249.6	273.0	280.8
77.5°	1748.5	1533.1	687.7	152.6	168.2	205.0	232.5	234.6	224.7	238.7	242.4
80°	1233.1	1033.3	435.4	138.1	160.9	185.3	206.0	202.4	192.5	195.1	198.3
82.5°	687.7	546.5	253.8	127.2	151.0	154.1	168.7	169.7	156.7	157.3	157.8
85°	273.0	252.7	171.8	106.9	122.0	111.1	126.1	131.3	118.8	104.3	101.2
87.5°	181.1	171.8	119.9	73.2	74.7	62.8	82.0	85.1	70.1	60.7	60.2
90°	172.3	167.1	103.3	49.3	41.5	34.3	45.7	44.1	33.7	29.6	30.1
92.5°	177.5	174.4	104.8	47.2	40.5	32.7	40.5	34.8	25.4	22.3	22.8
95°	174.9	173.3	102.2	46.2	38.4	30.1	34.3	28.0	19.7	17.6	17.6
97.5°	83.0	87.7	63.3	41.5	34.3	25.4	26.5	21.3	14.0	13.0	12.5
100°	12.5	19.7	34.3	38.4	25.4	17.6	17.1	14.0	8.8	8.3	8.3
102.5°	13.0	14.0	21.3	26.5	14.0	9.3	9.3	8.3	6.7	7.8	7.8
105°	14.0	13.0	12.5	14.5	8.3	5.7	5.2	5.2	5.7	8.3	8.8
107.5°	15.1	14.0	9.9	7.8	6.2	5.2	4.2	3.6	5.2	8.8	9.3
110°	11.4	10.9	8.3	6.2	6.2	5.7	3.6	3.6	5.7	9.3	10.4



REPORT NUMBER: P415670

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.7	7.8	7.3	5.7	5.2	5.2	3.6	3.6	5.7	9.9	10.9
115°	7.3	7.3	6.2	4.7	4.2	4.2	3.6	3.1	5.7	10.4	10.9
117.5°	7.3	7.3	6.2	4.7	3.6	3.1	3.1	3.1	5.7	10.4	10.9
120°	7.3	7.3	6.2	4.2	3.6	3.1	3.1	3.1	5.7	9.9	10.9
122.5°	6.7	6.7	5.7	4.2	3.1	3.1	3.1	3.1	5.7	9.3	9.9
125°	6.2	6.2	5.2	3.6	3.1	2.6	3.1	3.1	5.2	8.3	8.8
127.5°	5.2	5.7	4.7	3.6	3.1	2.6	3.1	3.1	4.7	7.3	7.8
130°	4.7	4.7	4.2	3.1	2.6	2.6	3.1	3.1	4.7	6.7	7.3
132.5°	3.6	3.6	3.1	3.1	2.6	2.6	2.6	2.6	3.6	5.7	5.7
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.1	4.2	4.7
137.5°	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.6	3.6
140°	1.6	2.1	2.1	2.6	2.6	2.6	2.6	2.6	2.6	3.1	3.1
142.5°	1.6	2.1	2.1	2.6	2.6	2.6	2.6	2.6	3.1	3.6	3.6
145°	2.1	2.1	2.6	2.6	2.6	2.1	2.6	2.6	3.1	3.6	3.6
147.5°	2.1	2.1	2.6	2.6	2.6	2.1	2.1	2.6	3.1	3.6	3.6
150°	2.1	2.1	2.6	2.6	2.1	1.6	2.1	2.1	2.6	3.6	3.6
152.5°	2.1	2.1	2.1	2.1	1.6	1.0	1.6	1.6	2.1	2.6	2.6
155°	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.6	2.1
157.5°	1.0	1.0	1.0	1.6	1.0	1.0	0.5	0.5	0.5	1.0	1.0
160°	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
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)