

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: P416918

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416918
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-PA1-80-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 6637 lumens
Efficiency: N/A
Efficacy: 80.0 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): 83
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

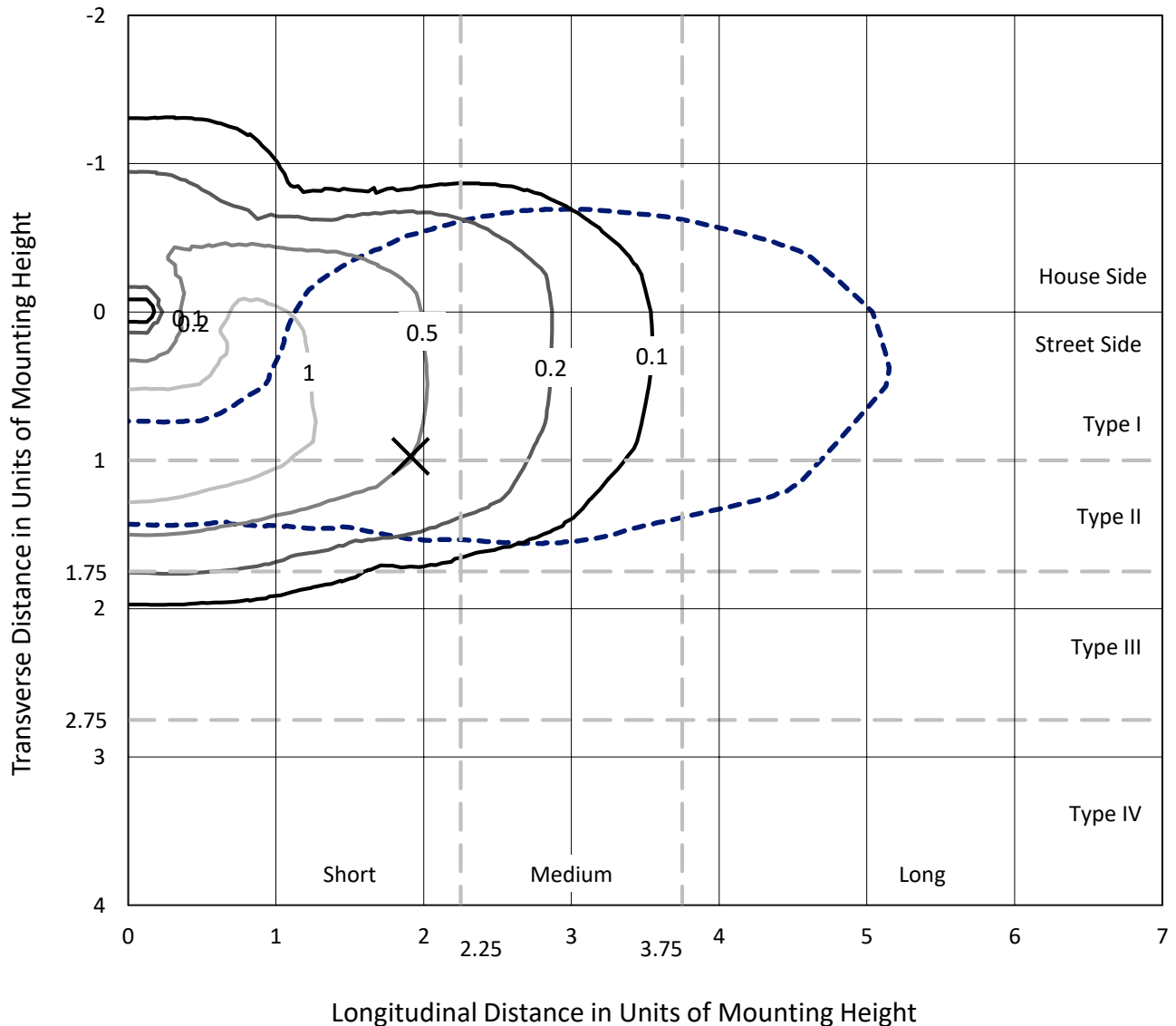


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

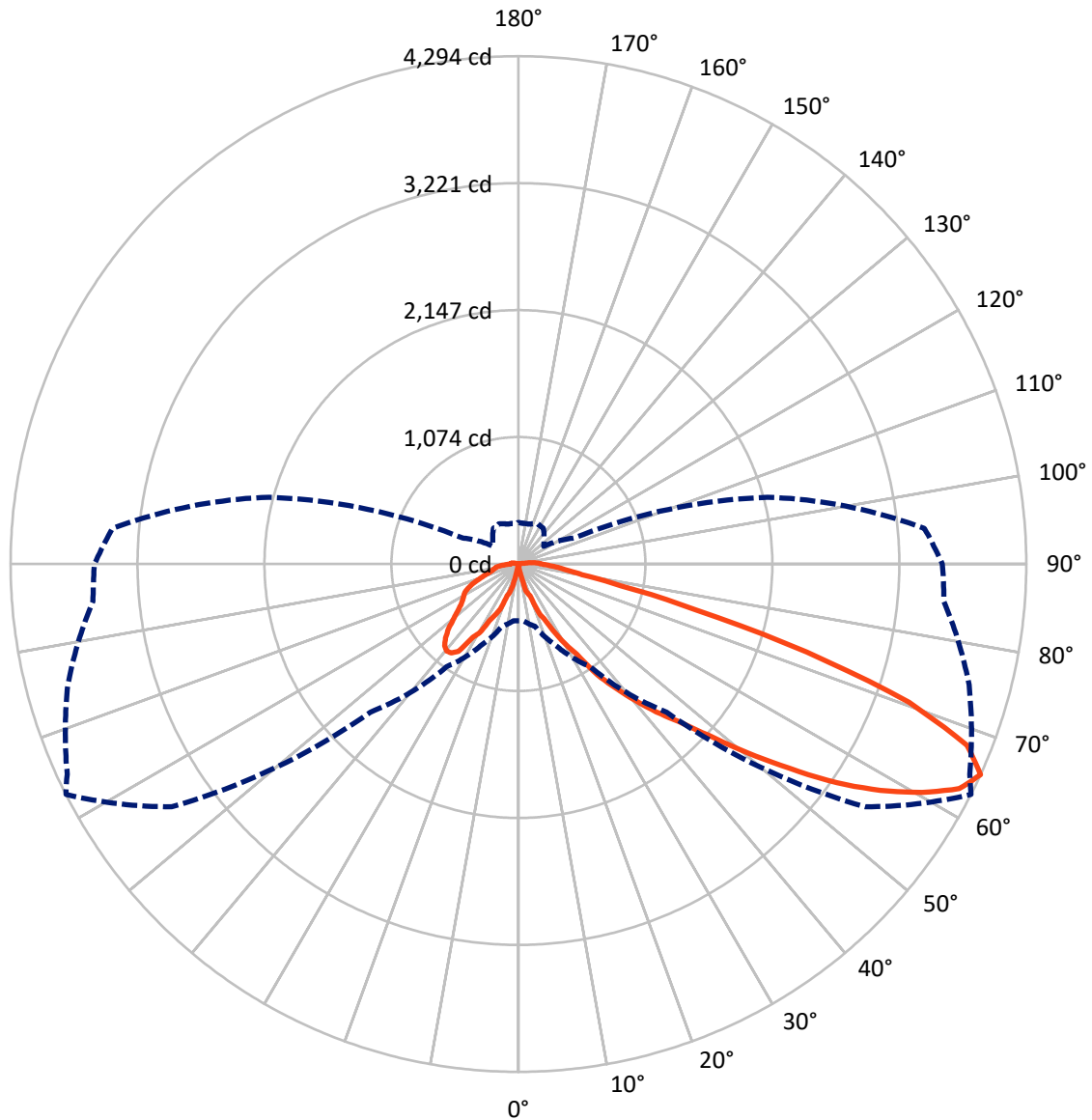


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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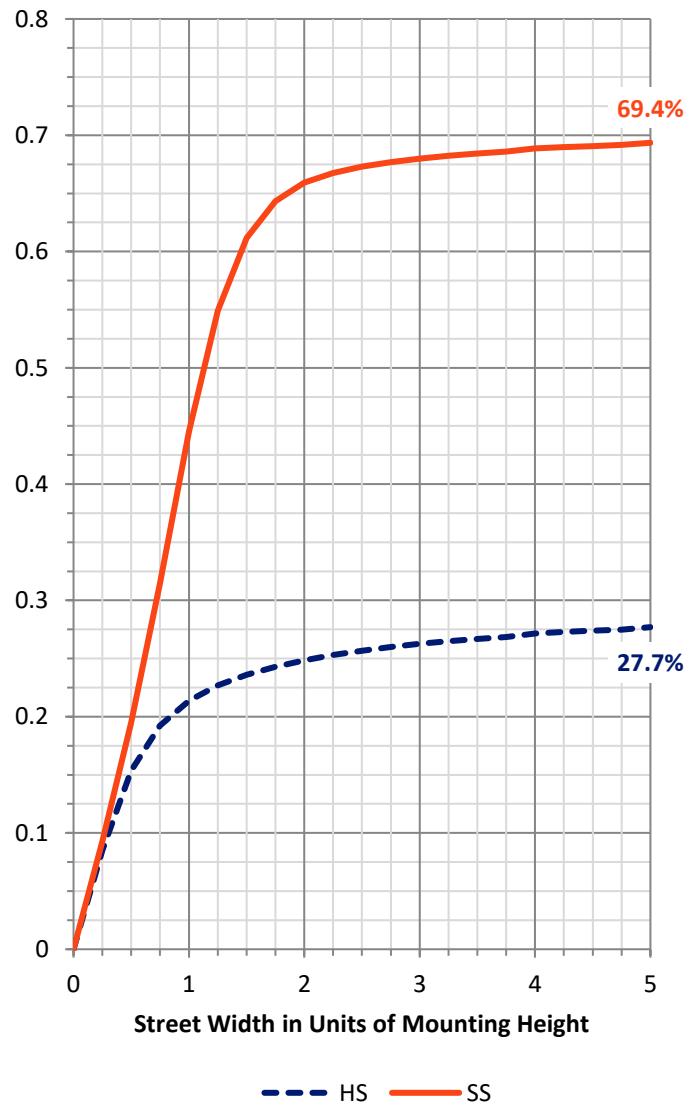
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1888.8	54.8	1943.6
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4642.3	51.1	4693.3
	% Fixture	69.9	0.8	70.7
Total	Lumens	6531.1	105.9	6637.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	59.6	0.9
20°-30°	243.8	3.7
30°-40°	633.5	9.5
40°-50°	1204.7	18.2
50°-60°	1621.7	24.4
60°-70°	1536.3	23.1
70°-80°	962.7	14.5
80°-90°	264.4	4.0
90°-100°	74.0	1.1
100°-110°	13.7	0.2
110°-120°	6.6	0.1
120°-130°	4.8	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6531.1	98.4
0°-180°	6637.0	100.0



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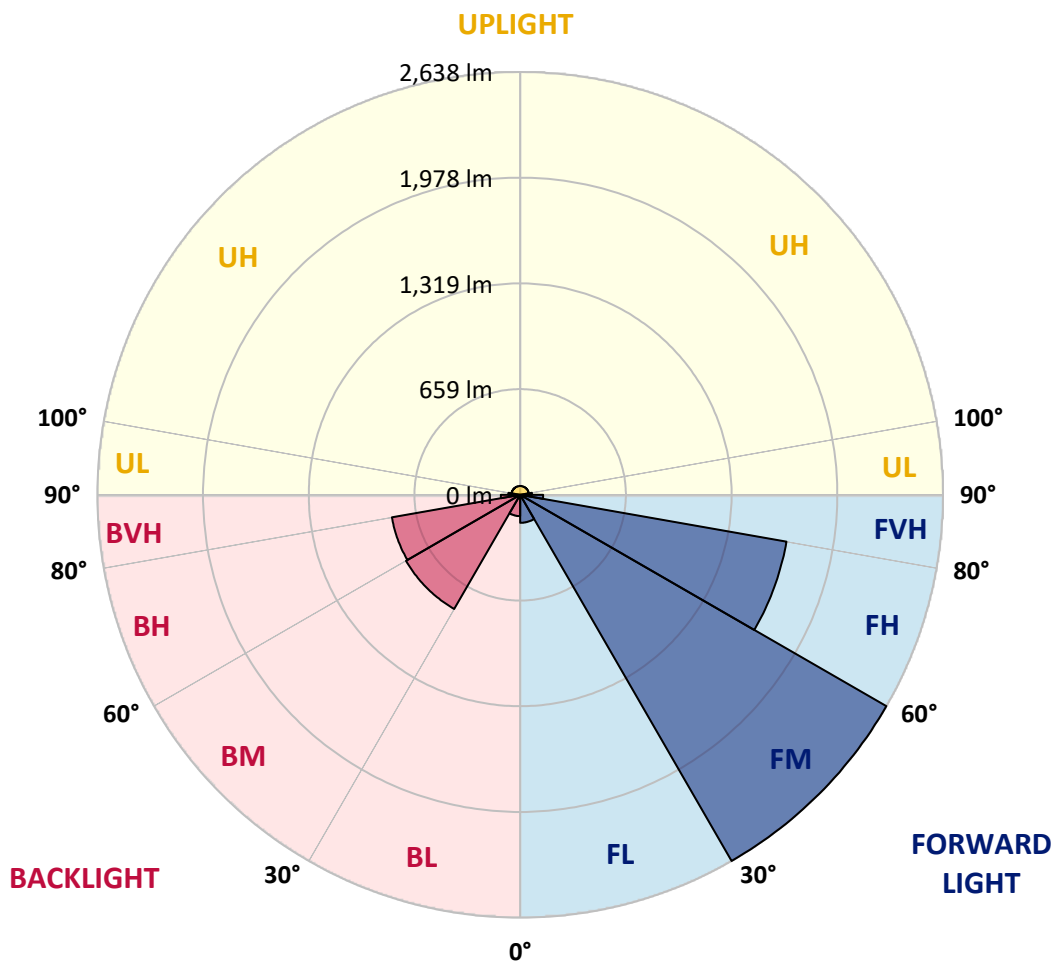
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.7	2.6			
FM (30°-60°)	2637.6	39.7			
FH (60°-80°)	1686.6	25.4			G1/1800
FVH (80°-90°)	143.4	2.2			G2/225
BL (0°-30°)	133.0	2.0	B1/500		
BM (30°-60°)	822.4	12.4	B1/1000		
BH (60°-80°)	812.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	121.0	1.8			G2/225
UL (90°-100°)	74.0	1.1		U3/500	
UH (100°-180°)	54.8	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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	8.8	8.1	8.8	8.8	8.1	7.4	6.6	5.9	5.1	3.7	2.9
5°	103.6	104.4	102.9	100.7	36.0	16.2	9.6	7.4	6.6	4.4	3.7
7.5°	119.1	118.3	117.6	116.1	111.0	104.4	56.6	13.2	10.3	5.9	3.7
10°	130.8	129.4	125.7	125.0	119.8	116.1	107.3	69.1	58.1	10.3	7.4
12.5°	238.2	233.0	228.6	188.9	132.3	125.0	119.8	104.4	102.2	65.4	97.8
15°	249.2	249.9	247.0	242.6	232.3	155.8	194.1	235.2	234.5	202.9	199.9
17.5°	283.0	280.8	269.8	258.7	255.1	277.1	274.9	262.4	262.4	232.3	219.8
20°	437.4	433.7	427.1	355.8	316.8	358.0	335.9	292.6	294.0	358.7	389.6
22.5°	506.5	505.0	491.8	460.2	448.4	394.7	442.5	457.9	449.1	454.3	435.2
25°	693.2	685.8	627.8	571.9	578.5	532.9	532.2	522.6	517.5	494.7	529.3
27.5°	882.1	876.2	863.0	784.3	668.2	642.5	601.3	656.4	641.7	694.6	706.4
30°	1168.8	1115.1	1003.4	950.4	912.2	789.5	777.7	794.6	790.2	775.5	762.3
32.5°	1467.2	1445.2	1379.7	1186.4	1065.1	994.6	960.0	907.8	883.6	1041.6	1052.6
35°	1778.9	1758.3	1598.0	1485.6	1277.6	1162.9	1143.8	1151.1	1118.8	1196.0	1177.6
37.5°	2327.2	2316.9	2156.0	1806.8	1589.2	1365.0	1338.6	1329.7	1279.0	1334.9	1335.6
40°	2679.3	2662.4	2484.5	2227.3	1876.6	1689.9	1561.3	1510.6	1497.3	1500.3	1501.0
42.5°	2941.0	2913.8	2810.2	2573.5	2207.4	1988.4	1806.8	1709.0	1735.5	1684.0	1681.1
45°	3110.8	3096.1	3002.0	2804.3	2550.7	2441.9	2120.7	1900.2	1989.1	1897.2	1892.8
47.5°	3149.0	3142.4	3077.0	2977.8	2871.9	2826.4	2499.2	2161.8	2243.4	2203.0	2120.7
50°	2982.9	2988.8	2964.5	3000.6	3116.0	3168.2	2898.4	2508.8	2553.6	2457.3	2352.2
52.5°	2619.8	2619.1	2707.3	2866.8	3205.6	3414.4	3268.1	2869.7	2867.5	2693.3	2574.2
55°	2103.0	2142.7	2292.0	2539.7	3082.9	3527.6	3618.8	3266.7	3204.9	2969.0	2772.0
57.5°	1602.5	1653.9	1836.9	2061.9	2733.7	3447.5	3873.8	3611.4	3547.5	3217.4	2981.5
60°	1084.2	1104.1	1334.9	1595.1	2174.3	3139.5	3993.6	3922.3	3851.8	3471.0	3193.2
62.5°	722.6	740.2	872.5	1189.3	1559.1	2551.4	3916.5	4184.8	4091.4	3770.9	3414.4
65°	480.7	480.7	546.2	765.2	1060.7	1771.5	3578.3	4294.3	4209.8	3944.4	3610.7
67.5°	354.3	360.2	381.5	493.2	722.6	1060.0	2846.2	4092.1	4101.0	3964.2	3673.2
70°	321.2	324.9	343.3	371.9	516.0	630.7	1881.0	3505.6	3657.7	3814.3	3593.0
72.5°	280.8	282.3	311.7	342.5	406.5	483.7	1093.8	2547.8	2867.5	3487.9	3372.5
75°	235.2	237.4	261.0	307.3	351.4	405.8	582.2	1551.0	1869.3	2994.7	3080.7
77.5°	191.1	196.3	215.4	251.4	322.7	340.3	446.9	886.5	1082.8	2230.2	2604.4
80°	147.0	152.2	169.1	197.7	263.9	300.6	371.2	545.4	656.4	1386.3	1820.0
82.5°	100.7	104.4	121.3	142.6	188.9	250.7	307.3	402.1	434.4	758.6	1004.1
85°	71.3	73.5	84.5	94.1	117.6	164.7	256.5	319.0	327.8	402.1	408.7
87.5°	40.4	39.7	41.2	47.8	53.7	64.0	151.4	233.8	244.8	280.1	260.2
90°	27.9	27.2	22.8	22.1	25.0	27.2	86.0	186.0	195.5	225.7	231.5
92.5°	29.4	27.9	22.1	20.6	23.5	25.0	57.3	162.5	183.0	225.7	238.2
95°	27.9	26.5	19.8	17.6	21.3	22.1	35.3	111.7	144.1	211.0	233.0
97.5°	24.3	22.8	16.2	14.7	17.6	17.6	19.8	51.5	70.6	98.5	111.0
100°	19.8	18.4	13.2	11.8	12.5	13.2	12.5	25.7	25.7	27.2	21.3
102.5°	17.6	16.9	11.0	9.6	8.8	8.8	8.1	12.5	13.2	14.7	18.4
105°	15.4	14.7	9.6	8.1	6.6	6.6	5.9	8.1	8.8	12.5	17.6
107.5°	11.0	11.0	8.1	6.6	5.9	5.9	4.4	6.6	7.4	11.0	18.4
110°	7.4	7.4	5.9	5.9	5.1	5.9	4.4	6.6	6.6	8.8	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.9	5.9	5.1	4.4	3.7	4.4	5.1	5.9	5.9	6.6	8.8
115°	5.9	5.1	4.4	3.7	2.9	3.7	3.7	5.1	5.1	6.6	8.8
117.5°	5.9	5.9	4.4	3.7	2.9	2.9	3.7	4.4	4.4	6.6	9.6
120°	5.9	5.9	4.4	3.7	2.9	2.2	2.9	4.4	4.4	5.9	8.8
122.5°	5.9	5.9	4.4	3.7	2.9	2.2	2.9	3.7	3.7	5.1	8.8
125°	6.6	6.6	5.1	3.7	2.9	2.2	2.9	2.9	2.9	5.1	8.1
127.5°	6.6	6.6	5.1	3.7	2.9	2.2	2.9	2.9	2.9	4.4	6.6
130°	6.6	6.6	5.1	3.7	2.9	2.2	2.9	2.2	2.2	3.7	5.9
132.5°	6.6	5.9	5.1	4.4	3.7	2.9	2.9	2.2	2.2	2.2	4.4
135°	5.9	5.9	5.1	4.4	3.7	2.9	2.9	2.2	2.2	2.2	2.9
137.5°	5.9	5.9	5.9	5.1	4.4	3.7	2.9	2.2	2.2	2.2	2.2
140°	6.6	6.6	6.6	5.9	4.4	3.7	2.9	2.2	2.2	2.2	2.2
142.5°	7.4	7.4	7.4	6.6	4.4	3.7	3.7	2.2	2.2	2.2	2.2
145°	8.1	8.1	8.1	6.6	4.4	3.7	3.7	2.9	2.9	2.2	2.9
147.5°	8.8	8.8	8.1	6.6	3.7	2.9	2.9	2.9	2.9	2.9	2.9
150°	8.1	7.4	7.4	5.1	2.9	1.5	2.2	2.2	2.2	2.9	2.9
152.5°	5.9	5.9	5.1	3.7	2.2	0.7	1.5	1.5	2.2	2.2	2.2
155°	3.7	3.7	2.9	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	2.9	2.9	3.7	4.4	4.4	5.1	5.1	5.1	5.1	5.1	5.1
5°	2.9	2.9	3.7	4.4	5.1	5.9	6.6	6.6	6.6	7.4	7.4
7.5°	3.7	3.7	3.7	5.1	5.9	8.1	22.1	66.2	102.2	105.1	106.6
10°	7.4	7.4	7.4	7.4	16.2	94.1	116.9	122.0	125.0	127.2	127.2
12.5°	98.5	97.8	35.3	17.6	80.9	122.0	129.4	133.0	136.0	138.2	138.9
15°	199.9	200.7	200.7	202.9	147.0	133.0	140.4	207.3	245.5	252.9	255.8
17.5°	219.1	219.1	218.3	243.3	273.4	216.1	241.1	263.2	270.5	274.2	275.7
20°	399.9	399.1	322.0	279.3	288.9	358.7	269.8	280.1	285.9	341.1	342.5
22.5°	441.0	438.8	429.3	431.5	340.3	388.1	369.7	358.7	393.3	391.8	393.3
25°	541.7	488.8	468.2	463.8	493.2	403.6	428.5	371.2	380.0	378.6	380.0
27.5°	709.3	690.2	642.5	543.2	525.6	498.4	429.3	389.6	438.1	449.1	450.6
30°	760.8	736.5	685.8	690.2	585.9	507.2	418.3	431.5	414.6	413.1	410.2
32.5°	1043.1	1011.5	935.0	752.7	652.7	476.3	420.5	392.5	401.3	430.8	432.2
35°	1162.1	1126.1	1072.5	960.7	632.9	467.5	384.4	383.0	388.9	389.6	388.1
37.5°	1297.4	1250.4	1199.6	1012.2	660.8	423.4	358.7	359.5	372.7	398.4	395.5
40°	1454.7	1402.5	1320.2	1042.3	593.2	396.9	341.8	352.8	366.8	360.9	355.8
42.5°	1631.9	1546.6	1417.2	1036.5	516.0	366.1	337.4	344.7	342.5	331.5	328.6
45°	1814.9	1724.5	1512.0	987.2	446.2	346.2	329.3	331.5	322.7	308.7	305.8
47.5°	2025.9	1906.8	1565.7	915.2	390.3	344.7	327.1	319.8	302.8	290.4	289.6
50°	2238.3	2108.2	1649.5	818.9	348.4	338.9	332.3	316.8	296.2	283.7	282.3
52.5°	2446.3	2332.4	1739.9	738.0	316.8	332.3	334.5	318.3	296.2	277.9	277.1
55°	2655.1	2555.1	1837.7	674.1	295.5	331.5	342.5	322.7	300.6	273.4	272.7
57.5°	2864.6	2767.5	1931.8	631.4	285.9	322.0	347.7	336.7	312.4	289.6	291.1
60°	3113.0	2998.4	2042.8	601.3	282.3	316.8	352.1	352.8	319.8	294.0	297.7
62.5°	3357.1	3240.9	2136.9	573.4	272.7	311.7	354.3	365.3	335.9	313.9	317.6
65°	3584.2	3446.0	2180.2	519.7	261.0	305.8	367.5	376.4	348.4	346.2	350.6
67.5°	3670.9	3542.3	2137.6	452.8	253.6	305.8	381.5	391.8	361.7	373.4	385.2
70°	3587.2	3479.8	2030.3	369.0	255.8	308.0	383.7	399.1	380.8	390.3	400.6
72.5°	3326.9	3190.2	1769.3	297.0	255.8	305.1	374.2	387.4	373.4	405.0	415.3
75°	2998.4	2760.2	1408.4	244.8	248.5	303.6	352.1	367.5	353.6	386.6	397.7
77.5°	2476.5	2171.4	974.0	216.1	238.2	290.4	329.3	332.3	318.3	338.1	343.3
80°	1746.5	1463.5	616.7	195.5	227.9	262.4	291.8	286.7	272.7	276.4	280.8
82.5°	974.0	774.0	359.5	180.1	213.9	218.3	238.9	240.4	222.0	222.7	223.5
85°	386.6	358.0	243.3	151.4	172.7	157.3	178.6	186.0	168.3	147.7	143.3
87.5°	256.5	243.3	169.8	103.6	105.9	88.9	116.1	120.6	99.2	86.0	85.3
90°	244.0	236.7	146.3	69.8	58.8	48.5	64.7	62.5	47.8	41.9	42.6
92.5°	251.4	247.0	148.5	66.9	57.3	46.3	57.3	49.2	36.0	31.6	32.3
95°	247.7	245.5	144.8	65.4	54.4	42.6	48.5	39.7	27.9	25.0	25.0
97.5°	117.6	124.2	89.7	58.8	48.5	36.0	37.5	30.1	19.8	18.4	17.6
100°	17.6	27.9	48.5	54.4	36.0	25.0	24.3	19.8	12.5	11.8	11.8
102.5°	18.4	19.8	30.1	37.5	19.8	13.2	13.2	11.8	9.6	11.0	11.0
105°	19.8	18.4	17.6	20.6	11.8	8.1	7.4	7.4	8.1	11.8	12.5
107.5°	21.3	19.8	14.0	11.0	8.8	7.4	5.9	5.1	7.4	12.5	13.2
110°	16.2	15.4	11.8	8.8	8.8	8.1	5.1	5.1	8.1	13.2	14.7



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.6	11.0	10.3	8.1	7.4	7.4	5.1	5.1	8.1	14.0	15.4
115°	10.3	10.3	8.8	6.6	5.9	5.9	5.1	4.4	8.1	14.7	15.4
117.5°	10.3	10.3	8.8	6.6	5.1	4.4	4.4	4.4	8.1	14.7	15.4
120°	10.3	10.3	8.8	5.9	5.1	4.4	4.4	4.4	8.1	14.0	15.4
122.5°	9.6	9.6	8.1	5.9	4.4	4.4	4.4	4.4	8.1	13.2	14.0
125°	8.8	8.8	7.4	5.1	4.4	3.7	4.4	4.4	7.4	11.8	12.5
127.5°	7.4	8.1	6.6	5.1	4.4	3.7	4.4	4.4	6.6	10.3	11.0
130°	6.6	6.6	5.9	4.4	3.7	3.7	4.4	4.4	6.6	9.6	10.3
132.5°	5.1	5.1	4.4	4.4	3.7	3.7	3.7	3.7	5.1	8.1	8.1
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.4	5.9	6.6
137.5°	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.1	5.1
140°	2.2	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	4.4	4.4
142.5°	2.2	2.9	2.9	3.7	3.7	3.7	3.7	3.7	4.4	5.1	5.1
145°	2.9	2.9	3.7	3.7	3.7	2.9	3.7	3.7	4.4	5.1	5.1
147.5°	2.9	2.9	3.7	3.7	3.7	2.9	2.9	3.7	4.4	5.1	5.1
150°	2.9	2.9	3.7	3.7	2.9	2.2	2.9	2.9	3.7	5.1	5.1
152.5°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	3.7	3.7
155°	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.9
157.5°	1.5	1.5	1.5	2.2	1.5	1.5	0.7	0.7	0.7	1.5	1.5
160°	0.7	0.7	1.5	1.5	1.5	1.5	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)