

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: P416970

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416970
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-PA1-80-830-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 7175.1 lumens
Efficiency: N/A
Efficacy: 86.4 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

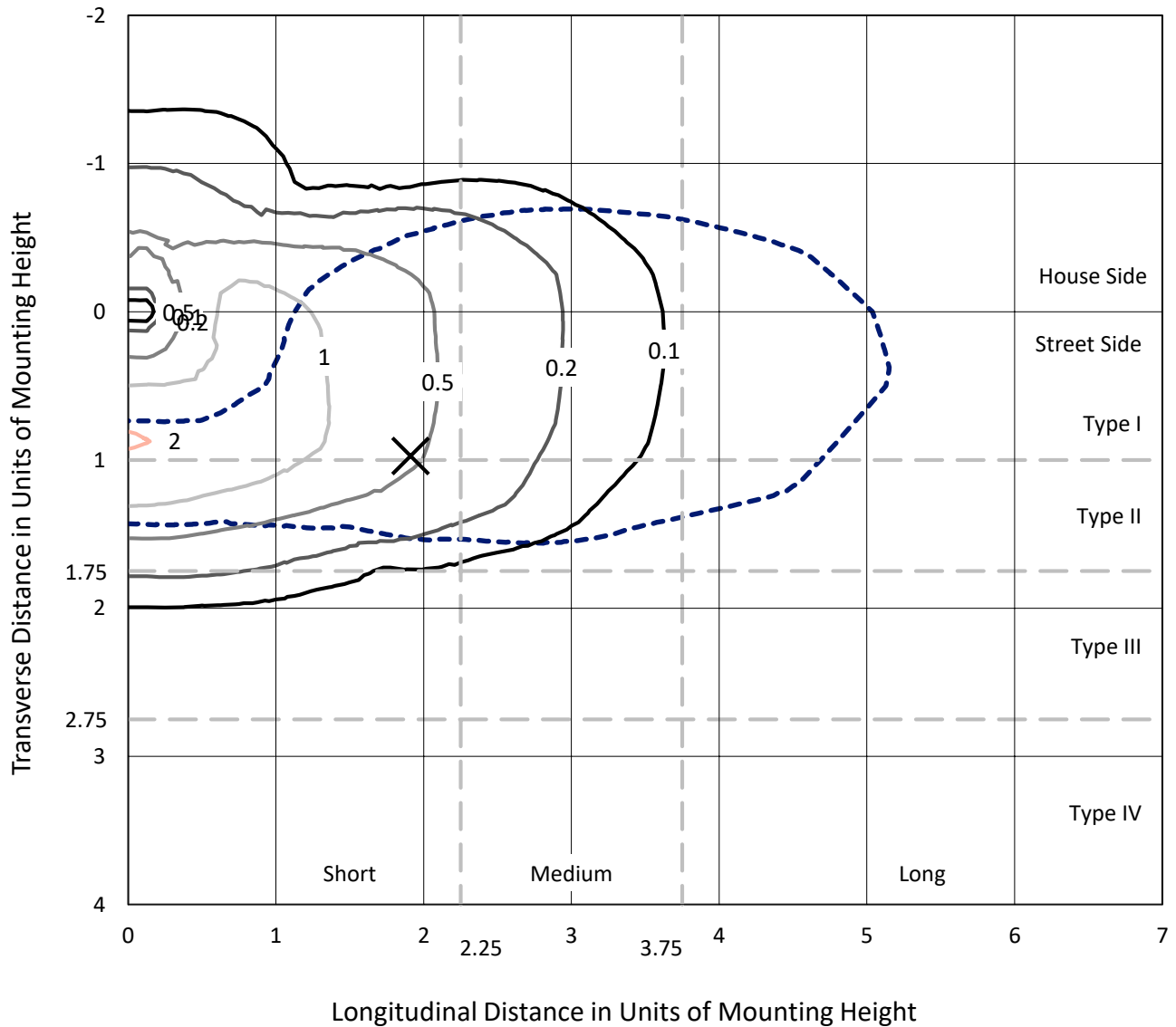


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

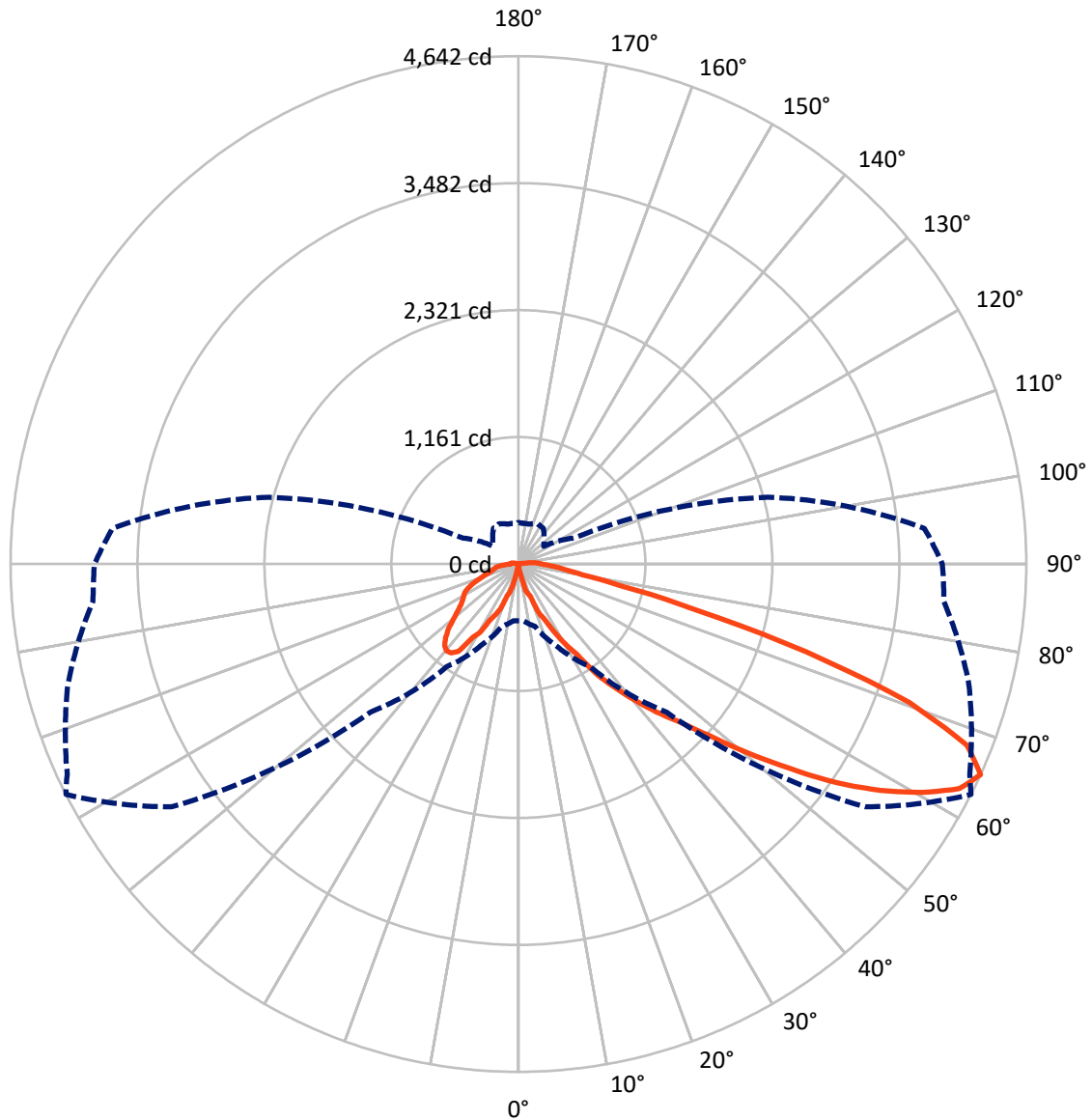


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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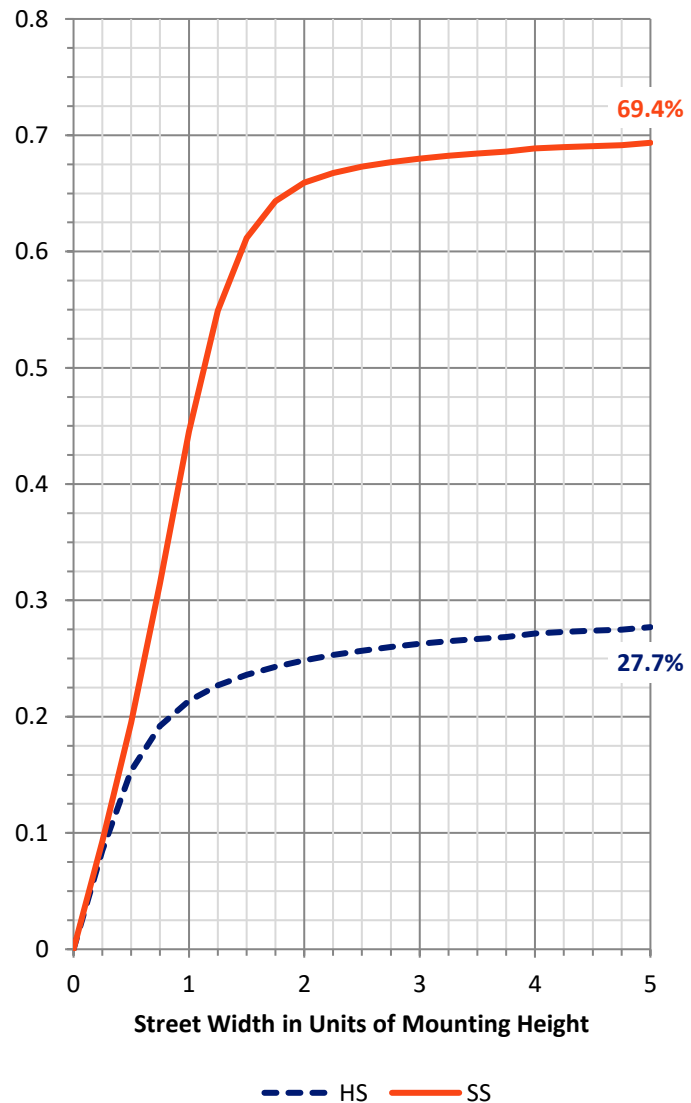
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2041.9	59.3	2101.2
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5018.6	55.3	5073.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	7060.5	114.5	7175.1
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	64.4	0.9
20°-30°	263.6	3.7
30°-40°	684.9	9.5
40°-50°	1302.4	18.2
50°-60°	1753.2	24.4
60°-70°	1660.9	23.1
70°-80°	1040.8	14.5
80°-90°	285.8	4.0
90°-100°	80.0	1.1
100°-110°	14.9	0.2
110°-120°	7.2	0.1
120°-130°	5.2	0.1
130°-140°	3.4	0.0
140°-150°	2.8	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7060.5	98.4
0°-180°	7175.1	100.0



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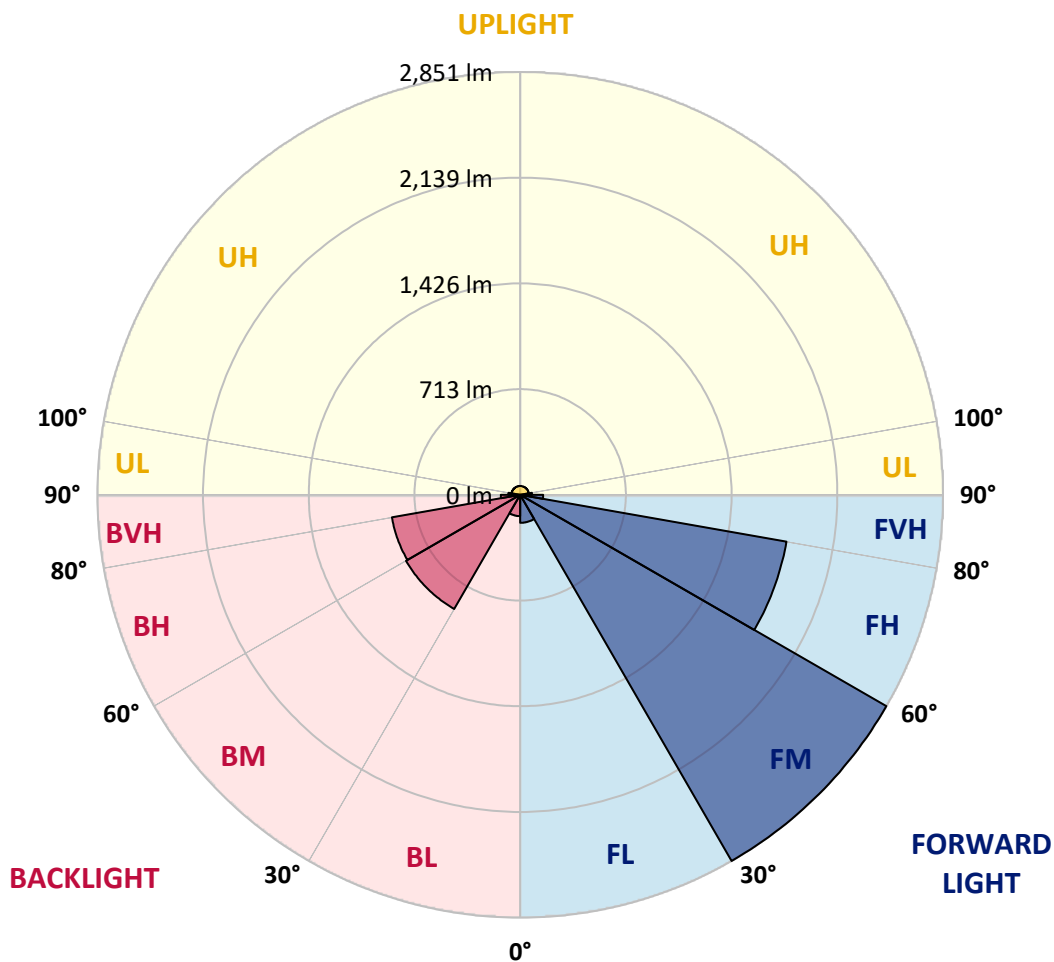
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.8	2.6			
FM	(30°-60°)	2851.4	39.7			
FH	(60°-80°)	1823.3	25.4			G2/5000
FVH	(80°-90°)	155.0	2.2			G2/225
BL	(0°-30°)	143.8	2.0	B1/500		
BM	(30°-60°)	889.0	12.4	B1/1000		
BH	(60°-80°)	878.3	12.2	B2/1000		G2/1000
BVH	(80°-90°)	130.8	1.8			G2/225
UL	(90°-100°)	80.0	1.1		U3/500	
UH	(100°-180°)	59.3	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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	9.5	8.7	9.5	9.5	8.7	7.9	7.2	6.4	5.6	4.0	3.2
5°	112.0	112.8	111.3	108.9	38.9	17.5	10.3	7.9	7.2	4.8	4.0
7.5°	128.7	127.9	127.1	125.6	120.0	112.8	61.2	14.3	11.1	6.4	4.0
10°	141.4	139.9	135.9	135.1	129.5	125.6	116.0	74.7	62.8	11.1	7.9
12.5°	257.5	251.9	247.1	204.2	143.0	135.1	129.5	112.8	110.5	70.7	105.7
15°	269.4	270.2	267.0	262.2	251.1	168.5	209.8	254.3	253.5	219.3	216.1
17.5°	305.9	303.6	291.6	279.7	275.7	299.6	297.2	283.7	283.7	251.1	237.6
20°	472.8	468.8	461.7	384.6	342.5	387.0	363.2	316.3	317.9	387.8	421.2
22.5°	547.5	545.9	531.6	497.5	484.7	426.7	478.4	495.1	485.5	491.1	470.4
25°	749.4	741.4	678.6	618.2	625.4	576.1	575.3	565.0	559.4	534.8	572.2
27.5°	953.6	947.2	932.9	847.9	722.3	694.5	650.0	709.6	693.7	751.0	763.7
30°	1263.5	1205.5	1084.7	1027.5	986.2	853.5	840.7	859.0	854.3	838.4	824.1
32.5°	1586.1	1562.3	1491.6	1282.6	1151.5	1075.2	1037.8	981.4	955.2	1126.0	1137.9
35°	1923.1	1900.8	1727.6	1606.0	1381.1	1257.1	1236.5	1244.4	1209.5	1292.9	1273.0
37.5°	2515.9	2504.8	2330.7	1953.3	1718.0	1475.7	1447.1	1437.5	1382.7	1443.1	1443.9
40°	2896.5	2878.2	2685.9	2407.8	2028.8	1826.9	1687.9	1633.0	1618.7	1621.9	1622.7
42.5°	3179.4	3150.0	3038.0	2782.1	2386.4	2149.5	1953.3	1847.6	1876.2	1820.6	1817.4
45°	3363.0	3347.1	3245.4	3031.6	2757.5	2639.9	2292.6	2054.2	2150.3	2051.0	2046.2
47.5°	3404.3	3397.2	3326.4	3219.2	3104.7	3055.5	2701.8	2337.1	2425.3	2381.6	2292.6
50°	3224.7	3231.1	3204.9	3243.8	3368.6	3425.0	3133.3	2712.2	2760.6	2656.5	2542.9
52.5°	2832.2	2831.4	2926.7	3099.2	3465.5	3691.2	3533.0	3102.3	3100.0	2911.6	2782.9
55°	2273.5	2316.4	2477.7	2745.5	3332.8	3813.6	3912.1	3531.5	3464.7	3209.6	2996.7
57.5°	1732.4	1788.0	1985.8	2229.0	2955.3	3726.9	4187.8	3904.2	3835.0	3478.2	3223.1
60°	1172.1	1193.6	1443.1	1724.4	2350.6	3394.0	4317.4	4240.3	4164.0	3752.4	3452.0
62.5°	781.1	800.2	943.3	1285.8	1685.5	2758.3	4233.9	4524.0	4423.1	4076.6	3691.2
65°	519.7	519.7	590.4	827.2	1146.7	1915.1	3868.4	4642.4	4551.0	4264.1	3903.4
67.5°	383.0	389.4	412.4	533.2	781.1	1145.9	3076.9	4423.9	4433.4	4285.6	3970.9
70°	347.3	351.2	371.1	402.1	557.8	681.8	2033.5	3789.7	3954.2	4123.5	3884.3
72.5°	303.6	305.1	336.9	370.3	439.4	522.9	1182.5	2754.3	3100.0	3770.6	3645.9
75°	254.3	256.7	282.1	332.2	379.8	438.7	629.4	1676.7	2020.8	3237.4	3330.4
77.5°	206.6	212.2	232.8	271.8	348.9	367.9	483.2	958.4	1170.5	2411.0	2815.5
80°	158.9	164.5	182.8	213.8	285.3	325.0	401.3	589.6	709.6	1498.7	1967.6
82.5°	108.9	112.8	131.1	154.2	204.2	271.0	332.2	434.7	469.6	820.1	1085.5
85°	77.1	79.5	91.4	101.7	127.1	178.0	277.3	344.9	354.4	434.7	441.8
87.5°	43.7	42.9	44.5	51.7	58.0	69.1	163.7	252.7	264.6	302.8	281.3
90°	30.2	29.4	24.6	23.8	27.0	29.4	93.0	201.0	211.4	244.0	250.3
92.5°	31.8	30.2	23.8	22.3	25.4	27.0	62.0	175.6	197.9	244.0	257.5
95°	30.2	28.6	21.5	19.1	23.0	23.8	38.1	120.8	155.8	228.1	251.9
97.5°	26.2	24.6	17.5	15.9	19.1	19.1	21.5	55.6	76.3	106.5	120.0
100°	21.5	19.9	14.3	12.7	13.5	14.3	13.5	27.8	27.8	29.4	23.0
102.5°	19.1	18.3	11.9	10.3	9.5	9.5	8.7	13.5	14.3	15.9	19.9
105°	16.7	15.9	10.3	8.7	7.2	7.2	6.4	8.7	9.5	13.5	19.1
107.5°	11.9	11.9	8.7	7.2	6.4	6.4	4.8	7.2	7.9	11.9	19.9
110°	7.9	7.9	6.4	6.4	5.6	6.4	4.8	7.2	7.2	9.5	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.4	6.4	5.6	4.8	4.0	4.8	5.6	6.4	6.4	7.2	9.5
115°	6.4	5.6	4.8	4.0	3.2	4.0	4.0	5.6	5.6	7.2	9.5
117.5°	6.4	6.4	4.8	4.0	3.2	3.2	4.0	4.8	4.8	7.2	10.3
120°	6.4	6.4	4.8	4.0	3.2	2.4	3.2	4.8	4.8	6.4	9.5
122.5°	6.4	6.4	4.8	4.0	3.2	2.4	3.2	4.0	4.0	5.6	9.5
125°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	3.2	3.2	5.6	8.7
127.5°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	3.2	3.2	4.8	7.2
130°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	2.4	2.4	4.0	6.4
132.5°	7.2	6.4	5.6	4.8	4.0	3.2	3.2	2.4	2.4	2.4	4.8
135°	6.4	6.4	5.6	4.8	4.0	3.2	3.2	2.4	2.4	2.4	3.2
137.5°	6.4	6.4	6.4	5.6	4.8	4.0	3.2	2.4	2.4	2.4	2.4
140°	7.2	7.2	7.2	6.4	4.8	4.0	3.2	2.4	2.4	2.4	2.4
142.5°	7.9	7.9	7.9	7.2	4.8	4.0	4.0	2.4	2.4	2.4	2.4
145°	8.7	8.7	8.7	7.2	4.8	4.0	4.0	3.2	3.2	2.4	3.2
147.5°	9.5	9.5	8.7	7.2	4.0	3.2	3.2	3.2	3.2	3.2	3.2
150°	8.7	7.9	7.9	5.6	3.2	1.6	2.4	2.4	2.4	3.2	3.2
152.5°	6.4	6.4	5.6	4.0	2.4	0.8	1.6	1.6	2.4	2.4	2.4
155°	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	3.2	3.2	4.0	4.8	4.8	5.6	5.6	5.6	5.6	5.6	5.6
5°	3.2	3.2	4.0	4.8	5.6	6.4	7.2	7.2	7.2	7.9	7.9
7.5°	4.0	4.0	4.0	5.6	6.4	8.7	23.8	71.5	110.5	113.6	115.2
10°	7.9	7.9	7.9	7.9	17.5	101.7	126.4	131.9	135.1	137.5	137.5
12.5°	106.5	105.7	38.1	19.1	87.4	131.9	139.9	143.8	147.0	149.4	150.2
15°	216.1	216.9	216.9	219.3	158.9	143.8	151.8	224.1	265.4	273.4	276.5
17.5°	236.8	236.8	236.0	263.0	295.6	233.6	260.6	284.5	292.4	296.4	298.0
20°	432.3	431.5	348.1	302.0	312.3	387.8	291.6	302.8	309.1	368.7	370.3
22.5°	476.8	474.4	464.1	466.5	367.9	419.6	399.7	387.8	425.1	423.6	425.1
25°	585.7	528.4	506.2	501.4	533.2	436.3	463.3	401.3	410.8	409.2	410.8
27.5°	766.8	746.2	694.5	587.3	568.2	538.8	464.1	421.2	473.6	485.5	487.1
30°	822.5	796.2	741.4	746.2	633.3	548.3	452.2	466.5	448.2	446.6	443.4
32.5°	1127.6	1093.4	1010.8	813.7	705.7	514.9	454.5	424.3	433.9	465.7	467.3
35°	1256.4	1217.4	1159.4	1038.6	684.2	505.4	415.6	414.0	420.4	421.2	419.6
37.5°	1402.6	1351.7	1296.9	1094.2	714.4	457.7	387.8	388.6	402.9	430.7	427.5
40°	1572.6	1516.2	1427.2	1126.8	641.3	429.1	369.5	381.4	396.5	390.2	384.6
42.5°	1764.1	1672.0	1532.1	1120.5	557.8	395.7	364.7	372.7	370.3	358.4	355.2
45°	1962.0	1864.3	1634.6	1067.2	482.4	374.3	356.0	358.4	348.9	333.8	330.6
47.5°	2190.1	2061.3	1692.6	989.3	422.0	372.7	353.6	345.7	327.4	313.9	313.1
50°	2419.7	2279.1	1783.2	885.2	376.7	366.3	359.2	342.5	320.2	306.7	305.1
52.5°	2644.6	2521.4	1881.0	797.8	342.5	359.2	361.6	344.1	320.2	300.4	299.6
55°	2870.3	2762.2	1986.6	728.7	319.5	358.4	370.3	348.9	325.0	295.6	294.8
57.5°	3096.8	2991.9	2088.4	682.6	309.1	348.1	375.9	364.0	337.7	313.1	314.7
60°	3365.4	3241.4	2208.4	650.0	305.1	342.5	380.6	381.4	345.7	317.9	321.8
62.5°	3629.2	3503.6	2310.1	619.8	294.8	336.9	383.0	394.9	363.2	339.3	343.3
65°	3874.7	3725.4	2357.0	561.8	282.1	330.6	397.3	406.9	376.7	374.3	379.1
67.5°	3968.5	3829.5	2310.9	489.5	274.2	330.6	412.4	423.6	391.0	403.7	416.4
70°	3877.9	3761.9	2194.8	398.9	276.5	333.0	414.8	431.5	411.6	422.0	433.1
72.5°	3596.6	3448.8	1912.7	321.0	276.5	329.8	404.5	418.8	403.7	437.9	449.0
75°	3241.4	2983.9	1522.6	264.6	268.6	328.2	380.6	397.3	382.2	418.0	429.9
77.5°	2677.2	2347.4	1052.9	233.6	257.5	313.9	356.0	359.2	344.1	365.5	371.1
80°	1888.1	1582.2	666.7	211.4	246.3	283.7	315.5	309.9	294.8	298.8	303.6
82.5°	1052.9	836.8	388.6	194.7	231.2	236.0	258.3	259.9	240.0	240.8	241.6
85°	418.0	387.0	263.0	163.7	186.7	170.1	193.1	201.0	182.0	159.7	155.0
87.5°	277.3	263.0	183.6	112.0	114.4	96.2	125.6	130.3	107.3	93.0	92.2
90°	263.8	255.9	158.1	75.5	63.6	52.4	69.9	67.5	51.7	45.3	46.1
92.5°	271.8	267.0	160.5	72.3	62.0	50.1	62.0	53.2	38.9	34.2	35.0
95°	267.8	265.4	156.5	70.7	58.8	46.1	52.4	42.9	30.2	27.0	27.0
97.5°	127.1	134.3	96.9	63.6	52.4	38.9	40.5	32.6	21.5	19.9	19.1
100°	19.1	30.2	52.4	58.8	38.9	27.0	26.2	21.5	13.5	12.7	12.7
102.5°	19.9	21.5	32.6	40.5	21.5	14.3	14.3	12.7	10.3	11.9	11.9
105°	21.5	19.9	19.1	22.3	12.7	8.7	7.9	7.9	8.7	12.7	13.5
107.5°	23.0	21.5	15.1	11.9	9.5	7.9	6.4	5.6	7.9	13.5	14.3
110°	17.5	16.7	12.7	9.5	9.5	8.7	5.6	5.6	8.7	14.3	15.9



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	11.9	11.1	8.7	7.9	7.9	5.6	5.6	8.7	15.1	16.7
115°	11.1	11.1	9.5	7.2	6.4	6.4	5.6	4.8	8.7	15.9	16.7
117.5°	11.1	11.1	9.5	7.2	5.6	4.8	4.8	4.8	8.7	15.9	16.7
120°	11.1	11.1	9.5	6.4	5.6	4.8	4.8	4.8	8.7	15.1	16.7
122.5°	10.3	10.3	8.7	6.4	4.8	4.8	4.8	4.8	8.7	14.3	15.1
125°	9.5	9.5	7.9	5.6	4.8	4.0	4.8	4.8	7.9	12.7	13.5
127.5°	7.9	8.7	7.2	5.6	4.8	4.0	4.8	4.8	7.2	11.1	11.9
130°	7.2	7.2	6.4	4.8	4.0	4.0	4.8	4.8	7.2	10.3	11.1
132.5°	5.6	5.6	4.8	4.8	4.0	4.0	4.0	4.0	5.6	8.7	8.7
135°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.4	7.2
137.5°	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.6	5.6
140°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.8	5.6	5.6
145°	3.2	3.2	4.0	4.0	4.0	3.2	4.0	4.0	4.8	5.6	5.6
147.5°	3.2	3.2	4.0	4.0	4.0	3.2	3.2	4.0	4.8	5.6	5.6
150°	3.2	3.2	4.0	4.0	3.2	2.4	3.2	3.2	4.0	5.6	5.6
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	4.0	4.0
155°	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	3.2
157.5°	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6
160°	0.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
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)