

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: P416975

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6866 lumens
Efficiency: N/A
Efficacy: 82.7 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 (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

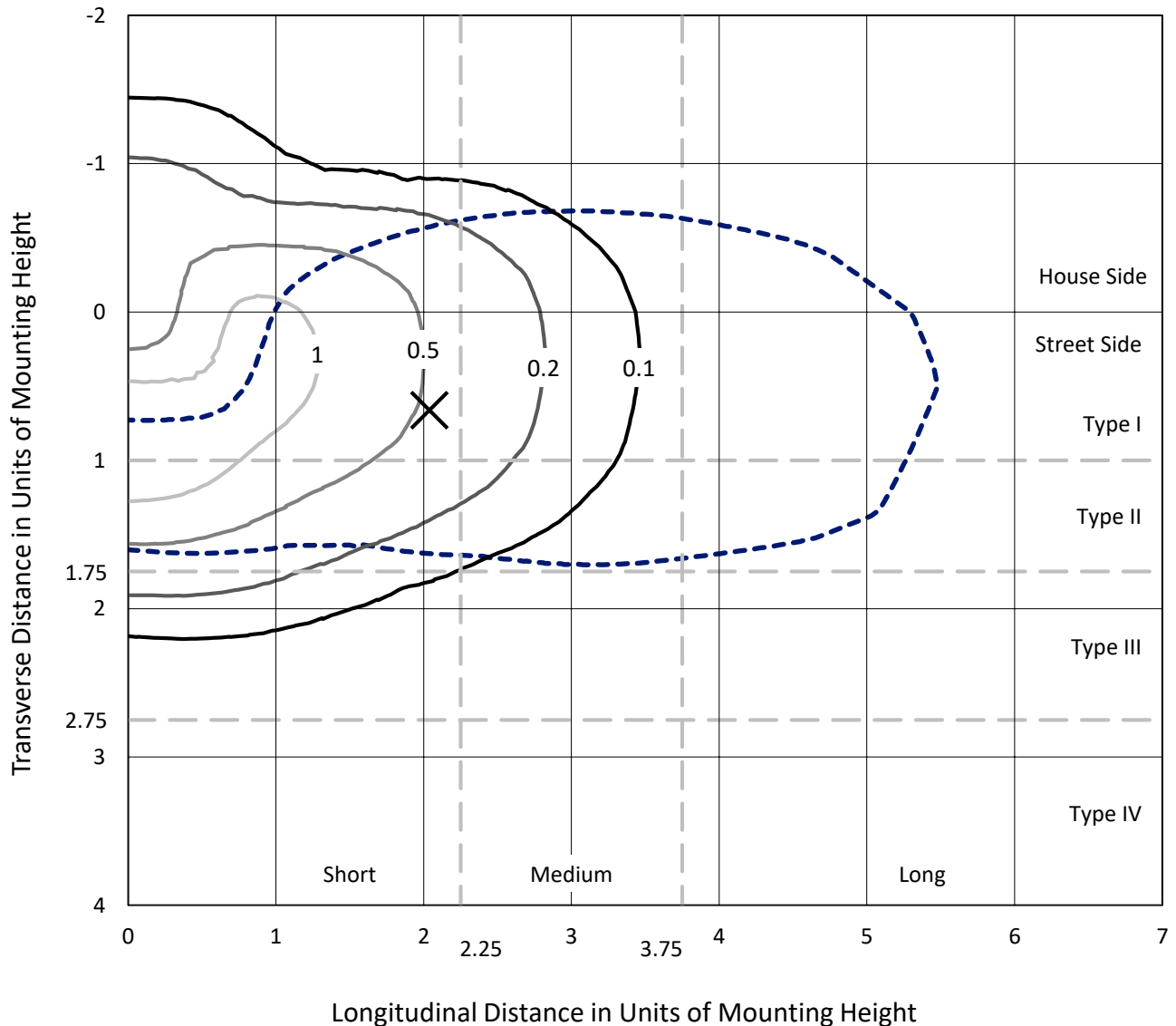


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

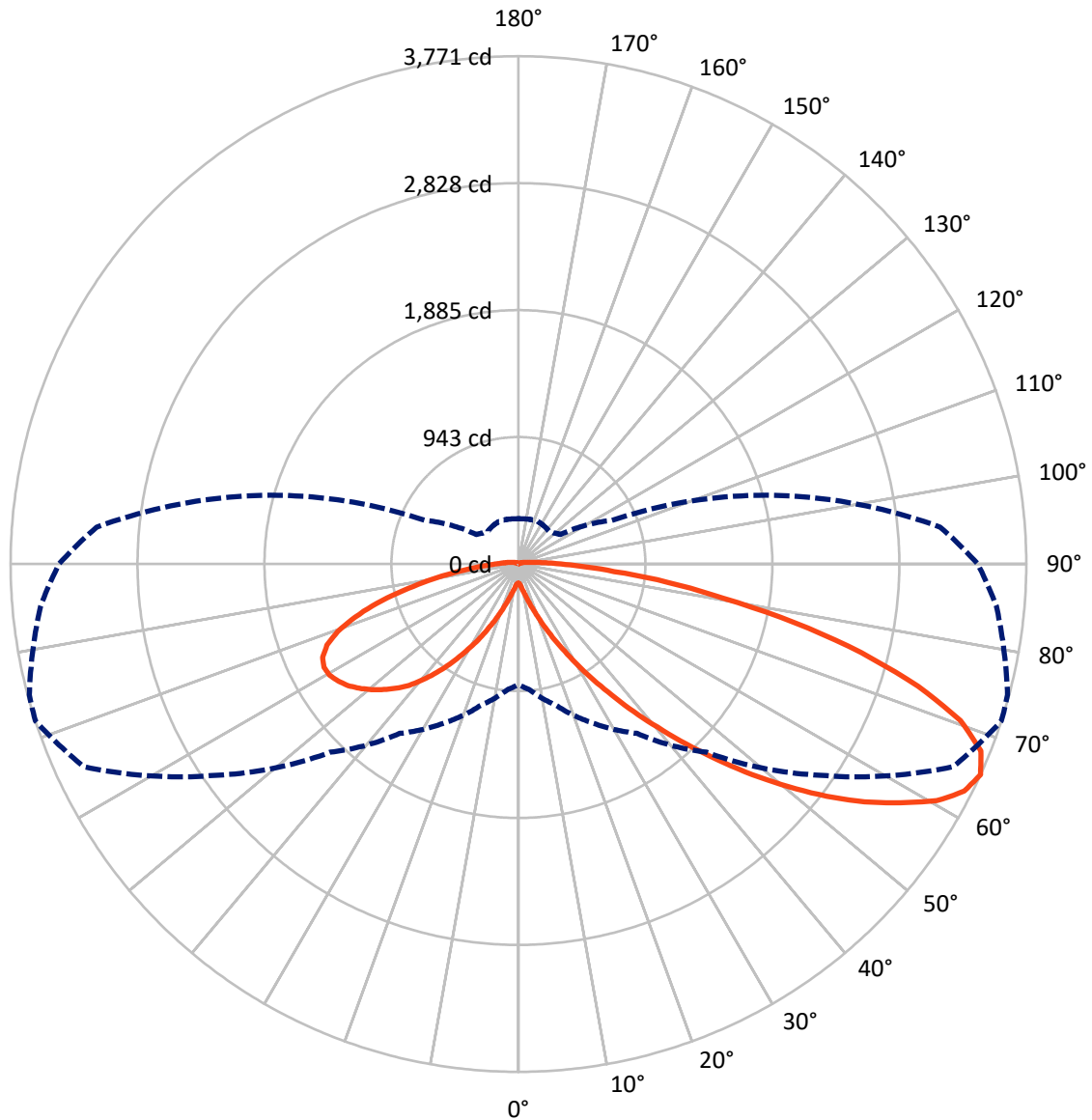


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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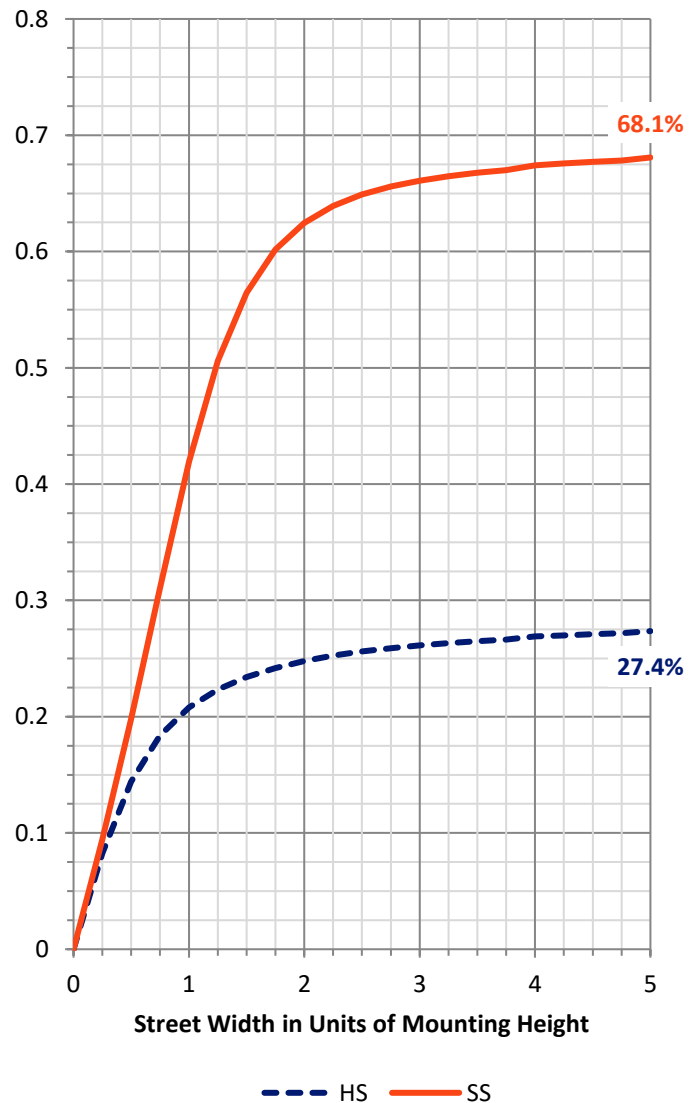
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1935.8	97.4	2033.2
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4737.8	95.0	4832.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	6673.6	192.4	6866.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.2
10°-20°	83.0	1.2
20°-30°	263.1	3.8
30°-40°	630.5	9.2
40°-50°	1164.0	17.0
50°-60°	1586.1	23.1
60°-70°	1546.5	22.5
70°-80°	1009.9	14.7
80°-90°	374.1	5.4
90°-100°	104.0	1.5
100°-110°	43.6	0.6
110°-120°	21.9	0.3
120°-130°	12.4	0.2
130°-140°	7.0	0.1
140°-150°	2.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6673.6	97.2
0°-180°	6866.0	100.0



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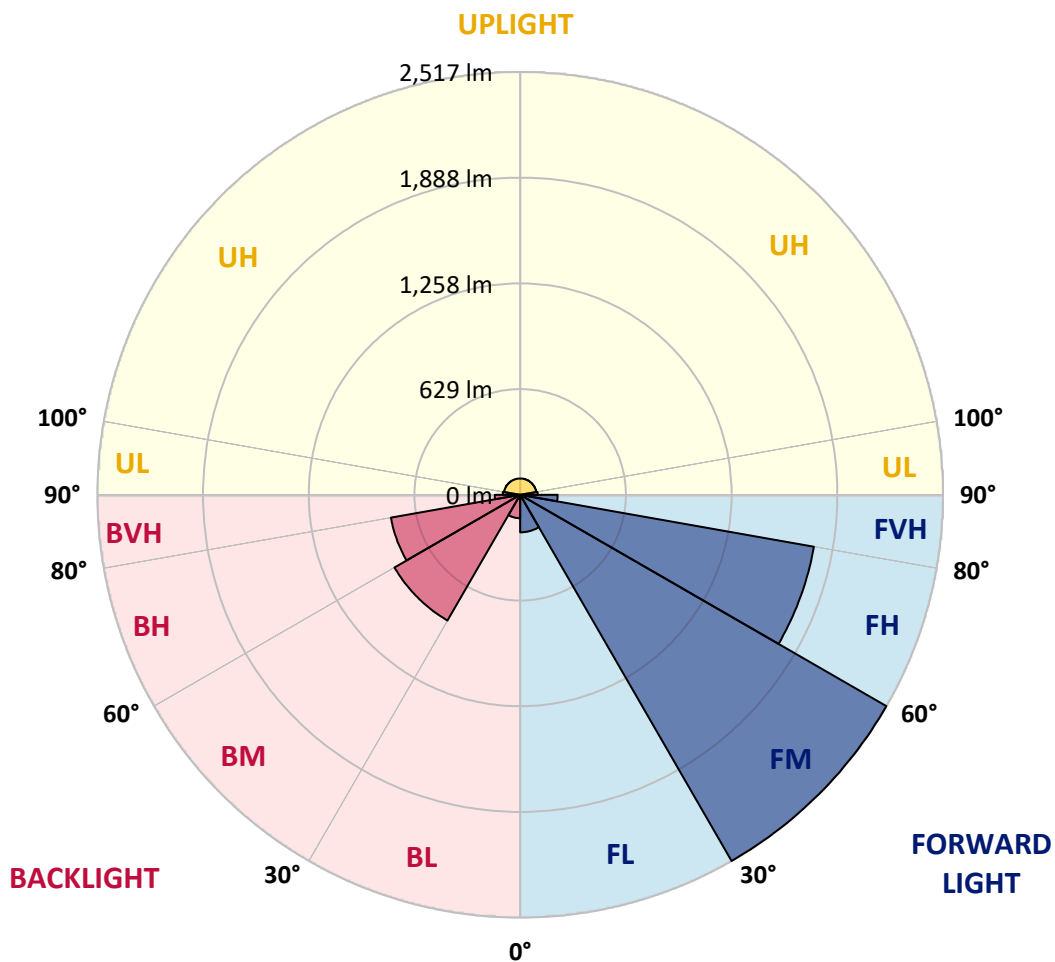
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.0	3.2			
FM	(30°-60°)	2516.7	36.7			
FH	(60°-80°)	1775.3	25.9			G1/1800
FVH	(80°-90°)	222.7	3.2			G2/225
BL	(0°-30°)	139.4	2.0	B1/500		
BM	(30°-60°)	864.0	12.6	B1/1000		
BH	(60°-80°)	781.1	11.4	B2/1000		G2/1000
BVH	(80°-90°)	151.4	2.2			G2/225
UL	(90°-100°)	104.0	1.5		U3/500	
UH	(100°-180°)	97.4	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
2.5°	158.1	157.3	155.8	155.0	155.0	153.4	151.8	149.4	147.8	147.0	145.4
5°	178.8	177.2	175.6	174.0	172.4	170.1	166.1	163.7	160.5	159.7	156.6
7.5°	208.2	206.6	201.8	200.3	197.9	194.7	189.9	185.2	182.0	179.6	174.8
10°	247.1	245.6	242.4	238.4	233.6	227.3	219.3	214.6	206.6	208.2	201.1
12.5°	300.4	296.4	292.4	286.1	276.5	269.4	258.3	253.5	244.8	244.8	236.0
15°	364.8	364.0	356.0	342.5	333.8	318.7	309.1	298.8	293.2	293.2	286.1
17.5°	448.2	442.6	436.3	418.0	398.1	379.9	367.1	360.0	353.6	352.0	342.5
20°	551.5	543.6	534.0	501.4	477.6	455.3	437.1	431.5	426.7	425.9	418.0
22.5°	682.6	665.9	648.5	616.7	578.5	539.6	526.9	514.2	514.9	516.5	498.3
25°	828.1	823.3	792.3	747.0	696.9	654.0	619.1	614.3	619.1	615.9	608.7
27.5°	1014.8	998.9	960.0	902.0	822.5	772.4	735.1	731.9	732.7	736.7	724.7
30°	1232.5	1224.6	1175.3	1078.4	975.9	909.1	868.6	863.0	872.6	873.3	855.1
32.5°	1489.2	1473.3	1397.8	1289.8	1149.9	1064.9	1018.8	1017.2	1027.5	1029.9	1015.6
35°	1749.1	1741.1	1666.4	1511.5	1358.1	1229.4	1182.5	1185.7	1192.8	1207.1	1190.4
37.5°	2048.7	2027.2	1931.1	1767.4	1573.5	1419.3	1369.2	1380.4	1391.5	1391.5	1368.4
40°	2331.6	2323.6	2222.7	2016.9	1784.8	1641.8	1587.0	1593.3	1592.5	1593.3	1563.1
42.5°	2593.8	2566.8	2477.8	2259.3	2020.1	1874.6	1808.7	1819.0	1828.5	1835.7	1759.4
45°	2771.0	2748.0	2669.3	2454.0	2242.6	2105.1	2062.2	2062.2	2073.3	2070.1	1994.6
47.5°	2833.8	2830.6	2771.8	2608.1	2414.2	2307.7	2310.1	2318.9	2335.6	2320.5	2212.4
50°	2804.4	2791.7	2781.4	2690.0	2556.5	2505.6	2553.3	2597.8	2599.4	2572.4	2434.9
52.5°	2620.0	2621.6	2674.1	2657.4	2596.2	2647.9	2793.3	2872.0	2864.8	2838.6	2673.3
55°	2339.5	2352.2	2443.6	2513.6	2550.9	2694.0	2971.3	3134.2	3118.3	3081.8	2914.1
57.5°	1966.0	2007.4	2129.7	2282.3	2415.8	2651.0	3068.2	3361.5	3344.8	3344.8	3154.1
60°	1568.7	1602.1	1782.5	1968.4	2179.0	2506.4	3077.8	3528.4	3568.9	3543.5	3324.1
62.5°	1216.6	1231.0	1417.7	1652.1	1877.8	2263.2	2968.1	3607.8	3715.1	3693.7	3476.7
65°	895.6	936.1	1087.1	1301.7	1535.3	1976.4	2733.7	3560.9	3770.7	3759.6	3560.9
67.5°	665.9	684.2	810.6	1009.2	1240.5	1619.5	2392.0	3355.9	3704.0	3713.5	3548.2
70°	499.1	503.8	602.4	766.1	963.1	1277.8	1993.8	3028.5	3482.3	3525.2	3434.6
72.5°	377.5	386.2	468.1	596.8	743.0	983.8	1575.8	2583.5	3104.0	3210.5	3176.3
75°	295.6	306.0	362.4	461.7	574.6	744.6	1192.8	2057.4	2629.6	2767.1	2805.2
77.5°	233.6	244.8	292.4	368.7	448.2	574.6	876.5	1539.3	2100.3	2237.8	2349.1
80°	183.6	191.5	233.6	290.1	352.8	424.4	614.3	1118.9	1542.5	1714.1	1815.8
82.5°	139.9	148.6	181.2	228.9	276.5	324.2	438.7	761.3	1118.9	1196.8	1370.0
85°	101.7	109.7	136.7	175.6	213.0	251.1	321.0	507.8	712.8	805.8	893.2
87.5°	74.7	77.9	101.7	130.3	163.7	189.9	231.3	324.2	453.0	499.1	572.2
90°	52.4	55.6	74.7	96.2	124.0	148.6	170.1	214.6	282.1	323.4	336.9
92.5°	38.9	41.3	55.6	72.3	95.4	115.2	128.7	151.8	183.6	201.1	212.2
95°	29.4	31.8	43.7	57.2	73.9	90.6	100.9	109.7	127.9	132.7	142.2
97.5°	23.8	25.4	35.8	46.9	59.6	74.7	80.3	85.0	91.4	96.2	100.1
100°	20.7	21.5	30.2	39.7	50.9	60.4	65.2	67.5	71.5	73.1	74.7
102.5°	18.3	18.3	26.2	34.2	43.7	50.9	54.8	54.8	55.6	56.4	55.6
105°	15.9	16.7	23.0	30.2	37.3	43.7	46.9	45.3	44.5	43.7	41.3
107.5°	15.1	15.1	20.7	27.0	33.4	38.1	40.5	37.3	35.8	34.2	31.8
110°	13.5	14.3	18.3	23.8	29.4	33.4	35.0	31.8	28.6	27.0	24.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.7	13.5	16.7	21.5	26.2	30.2	30.2	27.0	23.0	21.5	19.9
115°	12.7	12.7	15.1	19.1	23.8	27.0	27.0	23.0	19.1	17.5	16.7
117.5°	12.7	12.7	14.3	17.5	21.5	23.8	23.8	19.9	15.9	14.3	14.3
120°	11.9	11.9	13.5	15.9	19.9	21.5	20.7	17.5	13.5	12.7	12.7
122.5°	11.9	11.9	12.7	15.1	18.3	19.9	19.1	15.1	11.9	10.3	11.1
125°	12.7	11.9	12.7	14.3	16.7	17.5	16.7	12.7	10.3	9.5	10.3
127.5°	12.7	12.7	11.9	13.5	15.1	15.9	15.1	11.1	8.7	8.7	9.5
130°	12.7	12.7	11.9	12.7	13.5	14.3	12.7	9.5	7.9	7.9	8.7
132.5°	12.7	12.7	11.9	11.9	12.7	12.7	11.1	7.9	7.2	7.2	7.9
135°	12.7	12.7	11.1	11.1	11.1	11.1	9.5	7.2	6.4	6.4	7.2
137.5°	11.9	11.9	11.1	10.3	10.3	9.5	7.9	5.6	4.8	5.6	6.4
140°	11.1	11.1	10.3	8.7	8.7	7.9	6.4	4.8	4.0	4.8	4.8
142.5°	10.3	10.3	9.5	7.9	7.2	6.4	5.6	3.2	3.2	3.2	4.0
145°	9.5	9.5	8.7	6.4	5.6	4.8	4.0	2.4	2.4	2.4	3.2
147.5°	7.9	7.9	7.2	5.6	4.0	4.0	2.4	1.6	2.4	2.4	2.4
150°	6.4	6.4	5.6	4.0	3.2	2.4	0.8	1.6	1.6	1.6	2.4
152.5°	5.6	5.6	4.0	3.2	1.6	0.8	0.8	0.8	1.6	1.6	1.6
155°	4.0	4.0	3.2	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
2.5°	143.8	143.8	143.0	142.2	141.5	140.7	139.1	138.3	138.3	137.5	137.5
5°	155.0	154.2	151.8	149.4	146.2	144.6	142.2	140.7	139.9	139.1	139.1
7.5°	172.4	170.9	166.1	162.1	158.1	155.0	151.0	148.6	147.8	145.4	146.2
10°	197.1	194.7	189.1	182.0	174.8	170.1	164.5	161.3	159.7	158.1	156.6
12.5°	232.8	228.1	218.5	209.0	198.7	189.1	183.6	181.2	182.8	182.0	182.8
15°	282.1	273.4	259.1	244.8	226.5	214.6	213.0	212.2	212.2	213.0	214.6
17.5°	337.7	328.2	309.9	283.7	262.2	250.3	243.2	242.4	246.3	247.1	246.3
20°	410.8	401.3	372.7	336.9	306.0	286.9	277.3	277.3	282.9	284.5	287.7
22.5°	489.5	484.0	445.0	395.7	354.4	323.4	309.9	311.5	319.5	321.8	323.4
25°	599.2	576.9	529.3	461.7	402.1	360.8	342.5	343.3	352.0	358.4	360.8
27.5°	720.0	694.5	624.6	536.4	449.8	391.8	371.1	371.9	382.2	390.2	391.8
30°	849.5	824.1	732.7	610.3	494.3	419.6	391.8	392.6	404.5	413.2	414.8
32.5°	987.8	967.1	839.2	689.8	533.2	438.7	405.3	406.1	416.4	424.4	425.9
35°	1162.6	1115.7	965.5	760.5	565.8	450.6	411.6	410.8	421.2	429.1	430.7
37.5°	1335.1	1285.0	1085.5	826.5	584.9	453.8	410.1	410.1	418.0	424.4	425.2
40°	1522.6	1439.2	1211.9	878.1	592.0	449.0	405.3	404.5	410.8	414.0	414.8
42.5°	1724.4	1621.9	1335.8	919.4	588.9	438.7	396.5	397.3	399.7	399.7	398.9
45°	1906.4	1802.3	1442.3	946.5	577.7	425.2	386.2	387.0	387.8	381.4	381.4
47.5°	2120.2	1993.8	1542.5	952.8	555.5	411.6	378.3	379.9	375.9	367.1	365.6
50°	2322.8	2182.2	1643.4	950.4	532.4	397.3	370.3	371.9	364.8	352.8	350.5
52.5°	2548.5	2368.1	1738.8	938.5	504.6	384.6	364.8	366.3	358.4	344.1	341.7
55°	2771.0	2565.2	1826.2	917.9	480.8	371.1	359.2	363.2	352.8	338.5	337.7
57.5°	2983.2	2760.7	1898.5	887.7	455.3	361.6	355.2	360.0	350.5	336.1	335.4
60°	3172.3	2926.8	1956.5	858.2	427.5	352.0	351.2	357.6	348.9	336.9	336.1
62.5°	3305.1	3076.2	1982.7	818.5	405.3	341.7	346.5	352.8	346.5	336.9	336.9
65°	3410.7	3142.9	1972.4	766.1	381.4	330.6	340.1	346.5	342.5	336.1	336.9
67.5°	3390.9	3141.4	1904.8	703.3	359.2	318.7	329.0	337.7	334.6	332.2	331.4
70°	3268.5	2992.7	1775.3	634.9	336.1	303.6	315.5	324.2	323.4	322.6	322.6
72.5°	3016.6	2735.3	1581.4	556.3	312.3	287.7	298.0	306.0	307.5	306.7	304.4
75°	2687.6	2380.8	1356.5	482.4	287.7	268.6	279.7	284.5	286.9	285.3	285.3
77.5°	2205.2	1985.1	1078.4	407.7	261.4	247.1	255.1	259.1	262.2	258.3	255.9
80°	1752.3	1509.9	829.6	333.0	232.8	223.3	227.3	228.9	232.0	228.1	223.3
82.5°	1230.2	1076.0	601.6	271.8	204.2	196.3	198.7	197.9	199.5	193.9	187.5
85°	821.7	723.2	414.0	218.5	174.8	167.7	167.7	165.3	163.7	158.1	153.4
87.5°	515.7	457.7	284.5	172.4	147.0	141.5	138.3	133.5	131.9	127.9	122.4
90°	317.9	292.4	198.7	138.3	122.4	117.6	114.4	107.3	106.5	100.1	96.2
92.5°	208.2	190.7	147.0	112.0	102.5	97.7	93.8	87.4	86.6	81.9	79.5
95°	137.5	133.5	112.0	93.8	86.6	82.6	78.7	73.1	71.5	66.8	63.6
97.5°	100.9	100.9	92.2	79.5	73.9	69.9	67.5	62.8	59.6	54.8	53.2
100°	76.3	77.1	73.9	68.3	63.6	59.6	57.2	53.2	50.9	46.1	45.3
102.5°	58.8	60.4	61.2	58.0	54.8	51.7	49.3	46.1	42.9	38.1	37.3
105°	45.3	46.9	50.1	49.3	47.7	45.3	42.9	39.7	35.8	31.8	31.8
107.5°	35.0	36.6	41.3	42.1	41.3	38.9	37.3	34.2	31.0	27.0	27.0
110°	27.0	29.4	34.2	35.8	35.8	34.2	32.6	29.4	25.4	23.0	23.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	24.6	28.6	31.0	31.0	30.2	27.8	24.6	21.5	19.9	19.9
115°	18.3	20.7	24.6	27.0	27.0	26.2	24.6	21.5	18.3	17.5	17.5
117.5°	15.9	17.5	20.7	23.0	23.8	23.0	21.5	18.3	15.9	15.9	15.9
120°	14.3	15.9	18.3	19.9	20.7	19.9	18.3	15.9	13.5	14.3	14.3
122.5°	12.7	13.5	15.9	18.3	18.3	18.3	16.7	13.5	11.9	12.7	12.7
125°	11.1	12.7	14.3	15.9	16.7	15.9	14.3	11.9	10.3	11.1	11.9
127.5°	10.3	11.1	12.7	14.3	14.3	14.3	12.7	10.3	9.5	10.3	10.3
130°	9.5	10.3	11.1	12.7	12.7	12.7	11.1	8.7	8.7	9.5	9.5
132.5°	8.7	9.5	10.3	11.1	11.1	11.1	9.5	7.9	7.2	8.7	8.7
135°	7.9	7.9	8.7	9.5	9.5	9.5	7.9	6.4	6.4	7.9	7.9
137.5°	6.4	7.2	7.9	7.9	7.9	7.9	6.4	5.6	5.6	6.4	6.4
140°	5.6	5.6	6.4	6.4	6.4	6.4	5.6	4.0	4.8	5.6	5.6
142.5°	4.8	4.8	5.6	5.6	5.6	4.8	4.0	3.2	4.0	4.8	4.8
145°	3.2	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0
147.5°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	3.2
150°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
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)