

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: P416676

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7525 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

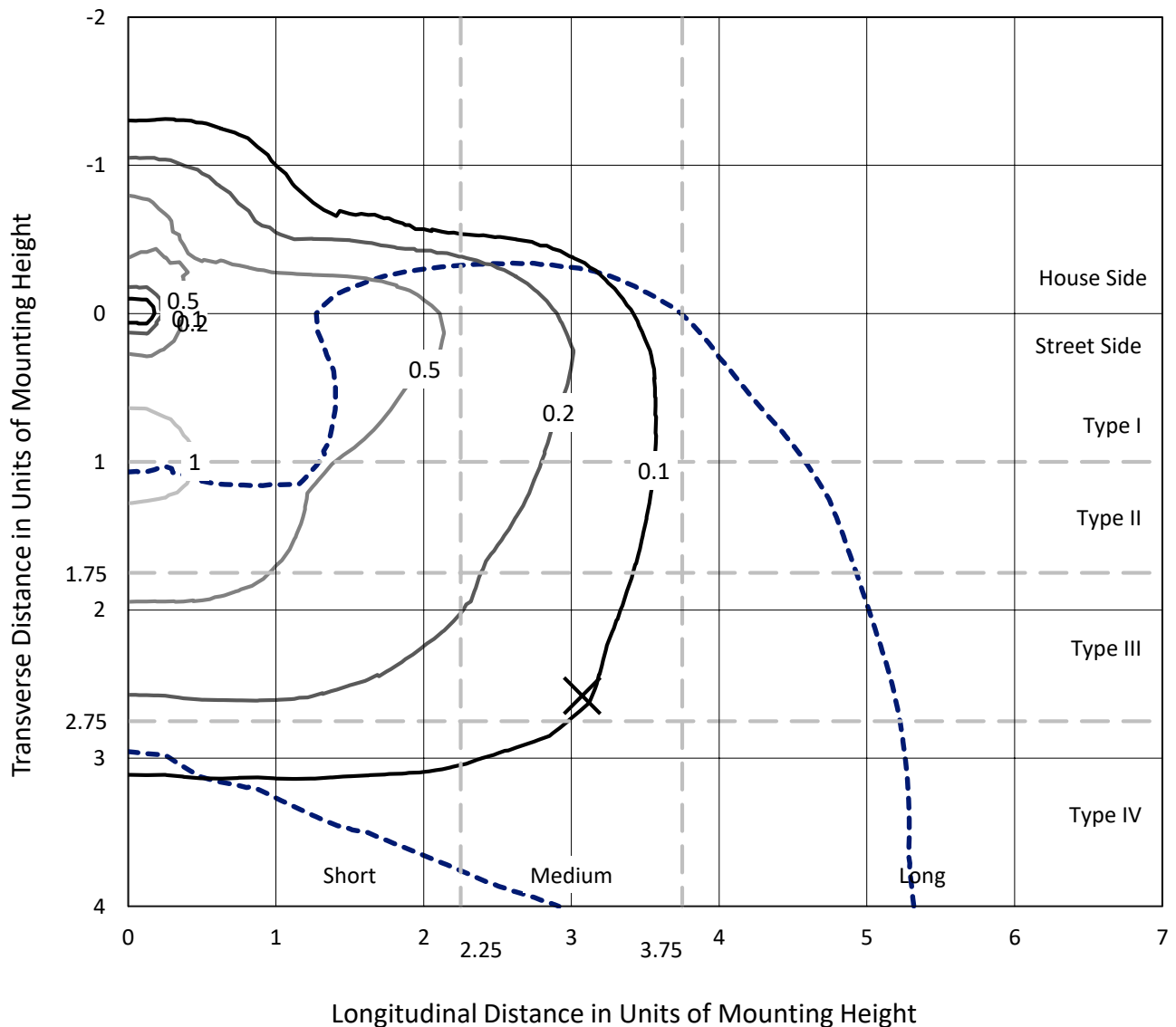
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

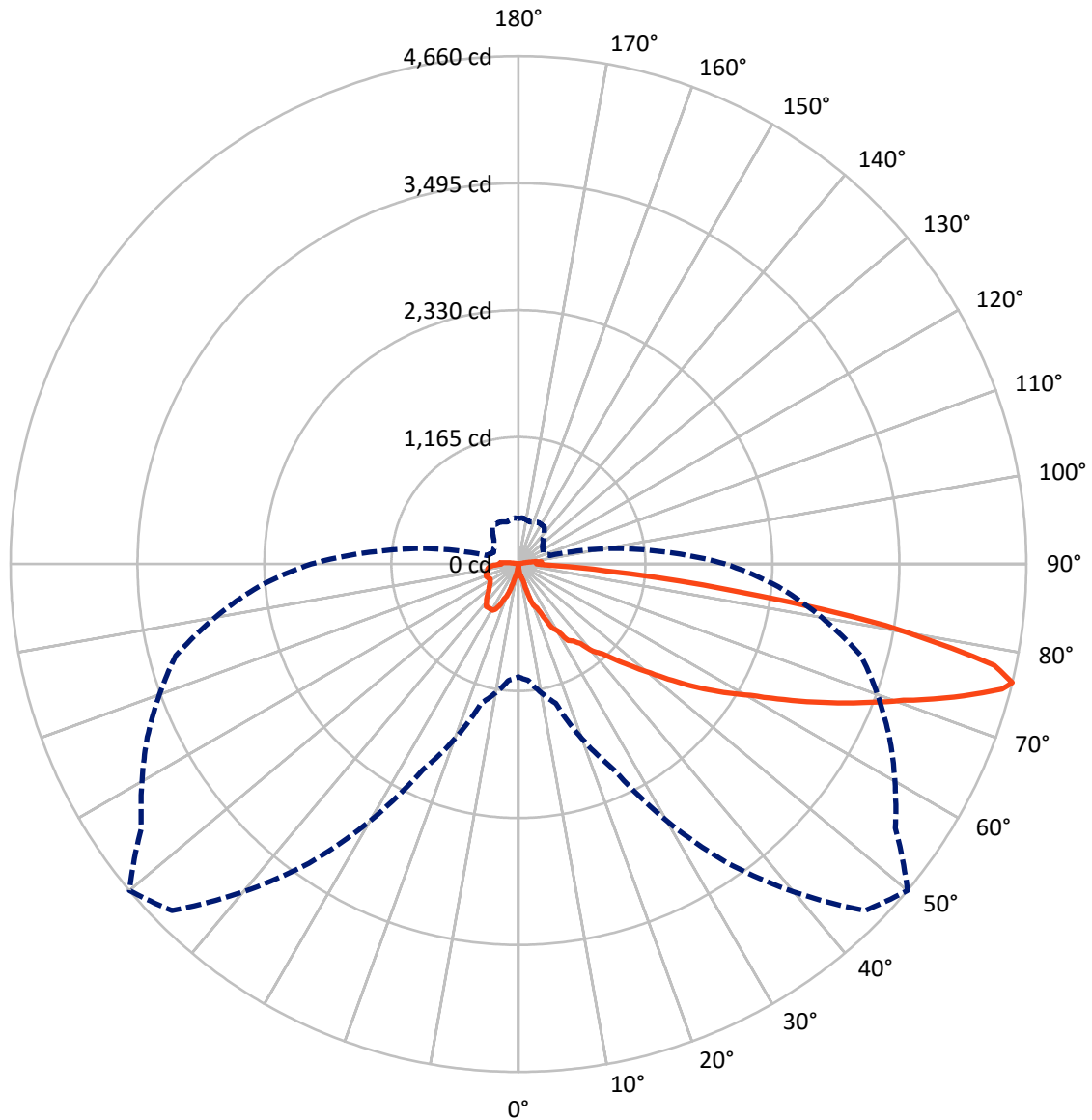


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1642.3	92.5	1734.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5715.8	74.3	5790.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	7358.2	166.8	7525.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	62.8	0.8
20°-30°	245.5	3.3
30°-40°	528.4	7.0
40°-50°	860.8	11.4
50°-60°	1385.9	18.4
60°-70°	2018.6	26.8
70°-80°	1800.9	23.9
80°-90°	451.1	6.0
90°-100°	132.1	1.8
100°-110°	19.6	0.3
110°-120°	5.6	0.1
120°-130°	3.9	0.1
130°-140°	2.6	0.0
140°-150°	2.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7358.2	97.8
0°-180°	7525.0	100.0

Coefficient of Utilization



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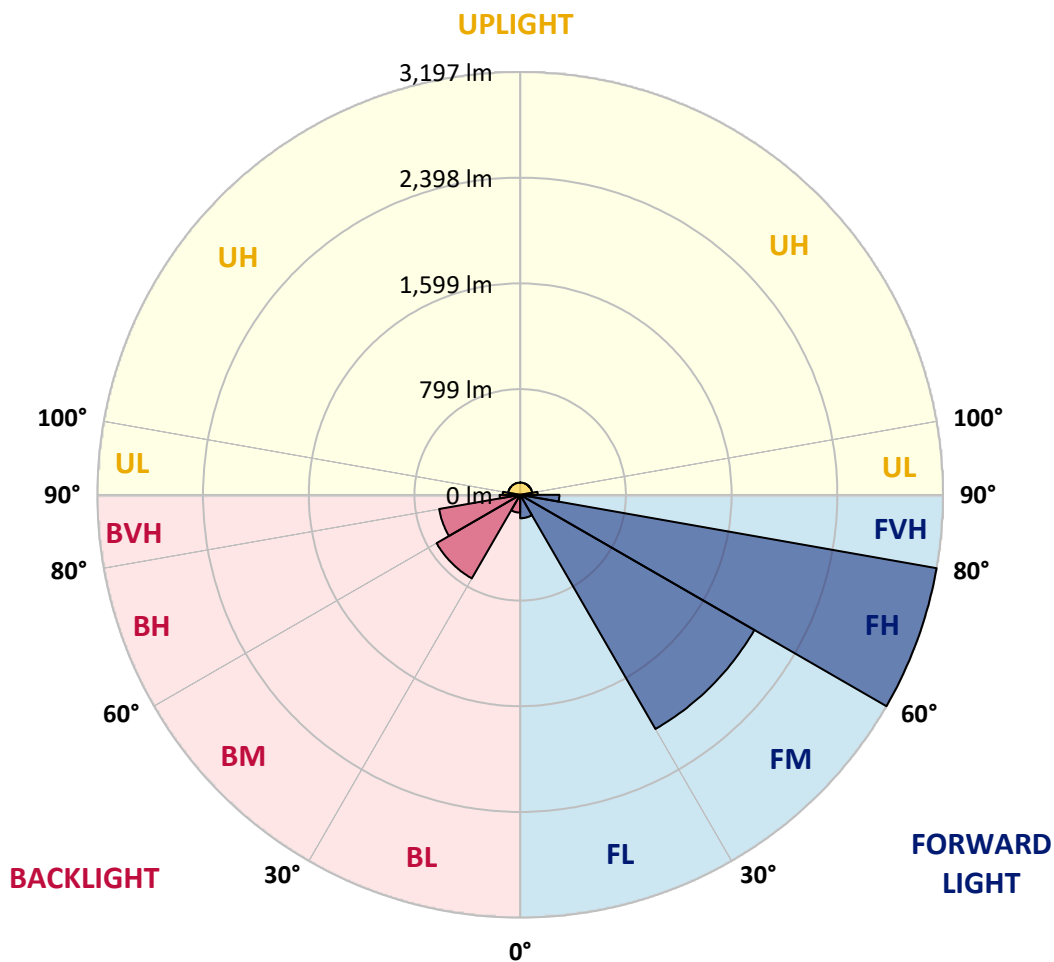
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.4	2.4			
FM	(30°-60°)	2044.8	27.2			
FH	(60°-80°)	3197.4	42.5			G2/5000
FVH	(80°-90°)	296.2	3.9			G3/500
BL	(0°-30°)	135.0	1.8	B1/500		
BM	(30°-60°)	730.3	9.7	B1/1000		
BH	(60°-80°)	622.2	8.3	B2/1000		G2/1000
BVH	(80°-90°)	154.9	2.1			G2/225
UL	(90°-100°)	132.1	1.8		U3/500	
UH	(100°-180°)	92.5	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	10.9	8.4	7.5	6.7	6.7	5.9	5.9	5.0	5.0	5.0	5.0
5°	105.4	102.0	94.5	87.8	30.1	25.1	20.9	15.9	5.9	5.9	5.0
7.5°	126.3	123.8	118.8	115.4	110.4	102.9	94.5	44.3	17.6	6.7	5.9
10°	165.6	153.0	143.0	134.6	128.8	116.2	112.9	106.2	29.3	12.5	9.2
12.5°	296.0	289.4	279.3	189.8	156.4	133.8	128.8	122.9	95.3	45.2	81.1
15°	326.2	319.5	309.4	296.9	278.5	164.8	154.7	192.3	245.9	184.8	193.2
17.5°	383.0	379.7	352.9	322.8	304.4	323.6	324.5	294.4	279.3	244.2	222.5
20°	531.0	527.7	512.7	435.7	344.6	408.9	407.3	392.2	313.6	360.4	388.0
22.5°	552.8	548.6	535.2	514.3	545.3	448.3	437.4	437.4	462.5	490.1	456.6
25°	727.6	723.4	621.4	541.1	584.6	533.6	535.2	592.1	511.8	537.7	513.5
27.5°	760.2	754.3	746.0	692.5	615.5	675.7	666.5	635.6	665.7	742.6	716.7
30°	887.3	822.9	795.3	764.4	726.7	715.9	711.7	767.7	789.5	784.4	792.0
32.5°	1029.5	1027.0	1000.2	815.4	822.1	769.4	837.1	862.2	828.8	952.5	1032.0
35°	1236.9	1151.6	1099.7	976.8	855.5	889.8	866.4	892.3	1006.9	1018.6	1094.7
37.5°	1554.7	1549.7	1430.9	1078.0	986.8	910.7	927.5	999.4	1074.6	1091.4	1194.2
40°	1817.3	1793.0	1717.8	1343.9	1073.0	985.2	1052.1	1036.2	1115.6	1174.2	1272.8
42.5°	2012.1	2034.7	1992.1	1555.5	1246.1	1103.1	1123.1	1102.2	1175.8	1285.4	1385.7
45°	2198.6	2189.4	2218.7	1770.4	1412.5	1254.4	1252.8	1201.8	1286.2	1409.2	1541.3
47.5°	2350.8	2337.5	2367.6	2003.8	1604.0	1391.6	1403.3	1337.2	1418.4	1563.9	1772.1
50°	2520.6	2494.7	2514.7	2199.5	1854.1	1589.8	1573.9	1522.9	1568.9	1767.1	2053.9
52.5°	2724.7	2706.3	2670.3	2394.3	2111.7	1793.9	1773.8	1724.4	1774.6	2019.7	2365.9
55°	2907.8	2886.9	2857.6	2662.8	2325.7	2001.3	2002.1	1952.8	2050.6	2295.6	2728.0
57.5°	3098.5	3088.4	3103.5	2963.0	2631.8	2217.9	2222.9	2192.8	2368.4	2579.1	3111.9
60°	3256.5	3241.5	3325.1	3269.9	2903.6	2465.4	2445.3	2477.9	2692.9	2875.2	3500.7
62.5°	3316.8	3326.8	3484.9	3552.6	3167.1	2732.2	2739.7	2784.0	2993.1	3229.8	3875.4
65°	3034.1	3069.2	3510.8	3601.9	3460.6	3028.2	3064.2	3056.7	3300.9	3490.7	4191.5
67.5°	2727.2	2767.3	3247.3	3614.5	3688.1	3376.1	3394.5	3320.1	3566.0	3653.8	4427.4
70°	2509.7	2540.7	2935.4	3543.4	3827.7	3739.1	3747.4	3609.5	3758.3	3845.3	4419.0
72.5°	2133.4	2166.0	2530.6	3274.9	3914.7	4179.0	4179.0	3874.6	3913.9	3841.1	3902.2
75°	1441.8	1454.3	1752.9	2542.3	3689.7	4537.7	4581.2	4163.9	3860.3	3489.0	2910.3
76°	1035.3	1073.8	1323.9	2087.4	3351.0	4496.8	4659.8	4222.5	3755.8	3255.7	2395.2
77.5°	548.6	583.7	781.1	1336.4	2718.0	4181.5	4463.3	4042.7	3424.6	2794.9	1771.3
80°	214.9	212.4	268.5	475.9	1376.5	3180.4	3415.4	2979.7	2316.5	1619.1	841.3
82.5°	117.9	129.6	170.6	251.7	597.1	1754.6	1929.3	1572.2	1182.5	746.8	491.7
85°	75.3	76.9	100.4	155.6	368.8	739.3	812.0	673.2	553.6	458.3	349.6
87.5°	45.2	46.8	52.7	71.9	182.3	217.4	237.5	279.3	317.8	315.3	301.9
90°	30.9	30.9	25.9	28.4	85.3	173.9	167.3	178.1	162.2	205.7	291.0
92.5°	30.1	30.1	25.1	25.9	72.8	193.2	194.0	193.2	171.4	209.9	306.1
95°	26.8	27.6	21.7	22.6	53.5	180.6	212.4	205.7	173.1	211.6	305.2
97.5°	22.6	23.4	16.7	19.2	36.0	122.1	158.1	161.4	107.9	107.0	138.0
100°	16.7	17.6	11.7	15.1	21.7	56.0	84.5	79.4	53.5	29.3	19.2
102.5°	15.9	16.7	10.0	11.7	13.4	19.2	30.9	23.4	20.1	16.7	16.7
105°	17.6	17.6	9.2	8.4	8.4	9.2	7.5	10.9	11.7	12.5	17.6
107.5°	15.1	15.9	6.7	6.7	5.9	5.9	5.0	5.0	6.7	10.9	19.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.7	11.7	5.9	5.9	4.2	5.0	5.0	4.2	5.9	8.4	15.1
112.5°	6.7	7.5	3.3	5.0	3.3	4.2	4.2	3.3	5.0	5.9	8.4
115°	6.7	6.7	3.3	2.5	2.5	2.5	3.3	3.3	4.2	5.9	9.2
117.5°	6.7	6.7	3.3	2.5	1.7	2.5	2.5	2.5	4.2	5.9	9.2
120°	6.7	6.7	3.3	1.7	1.7	1.7	1.7	2.5	4.2	5.9	9.2
122.5°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	4.2	5.9	8.4
125°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	7.5
127.5°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	6.7
130°	6.7	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	6.7
132.5°	6.7	5.9	3.3	1.7	1.7	1.7	1.7	2.5	3.3	4.2	5.9
135°	5.9	5.0	3.3	1.7	2.5	1.7	2.5	2.5	3.3	4.2	5.0
137.5°	5.0	5.0	3.3	2.5	2.5	2.5	2.5	2.5	3.3	4.2	4.2
140°	5.9	5.0	3.3	3.3	2.5	2.5	2.5	2.5	3.3	4.2	4.2
142.5°	6.7	5.9	4.2	3.3	3.3	2.5	2.5	3.3	3.3	4.2	4.2
145°	6.7	6.7	5.0	4.2	2.5	2.5	2.5	3.3	4.2	4.2	5.0
147.5°	7.5	6.7	5.0	4.2	2.5	1.7	2.5	2.5	4.2	5.0	5.0
150°	6.7	6.7	4.2	3.3	1.7	0.8	1.7	2.5	4.2	5.0	5.0
152.5°	5.0	5.0	3.3	1.7	0.8	0.8	1.7	2.5	3.3	4.2	5.0
155°	3.3	3.3	1.7	0.8	0.0	0.8	0.8	1.7	2.5	3.3	4.2
157.5°	1.7	1.7	0.8	0.0	0.0	0.8	0.8	1.7	2.5	3.3	3.3
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.7	1.7	2.5	2.5
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	5.0	4.2	4.2	3.3	3.3	2.5	2.5	2.5	2.5	3.3	4.2
5°	5.0	5.0	4.2	4.2	4.2	3.3	3.3	5.0	5.9	6.7	6.7
7.5°	5.0	5.0	5.0	4.2	5.0	6.7	26.8	76.9	84.5	89.5	91.2
10°	9.2	8.4	7.5	6.7	12.5	85.3	105.4	114.6	118.8	122.9	122.9
12.5°	87.8	87.8	36.0	20.1	86.1	114.6	120.4	127.1	133.0	138.8	139.7
15°	190.7	188.2	181.5	166.4	143.8	129.6	135.5	200.7	235.8	251.7	249.2
17.5°	218.3	214.9	210.7	240.0	250.1	199.9	233.3	259.3	266.8	275.1	274.3
20°	404.8	400.6	311.9	279.3	273.5	335.4	266.8	272.6	286.0	364.6	367.1
22.5°	453.3	448.3	417.3	425.7	319.5	363.8	352.1	368.8	411.5	424.0	425.7
25°	531.0	511.0	473.3	444.9	452.4	379.7	438.2	410.6	426.5	441.6	444.1
27.5°	735.1	723.4	656.5	498.4	461.6	475.0	456.6	446.6	533.6	565.3	567.8
30°	792.0	780.3	696.6	577.0	486.7	486.7	460.0	557.0	561.2	577.9	582.1
32.5°	1076.3	1052.9	885.6	586.2	505.1	465.0	521.0	548.6	615.5	665.7	674.1
35°	1142.4	1122.3	914.1	669.9	488.4	484.2	491.7	577.9	627.2	657.3	664.0
37.5°	1211.0	1188.4	910.7	638.1	517.7	461.6	478.4	540.2	611.3	689.1	699.1
40°	1304.6	1277.0	914.9	597.1	485.1	436.5	449.1	518.5	567.0	615.5	623.9
42.5°	1430.1	1374.9	922.4	560.3	447.4	425.7	428.2	468.3	490.9	511.0	511.0
45°	1599.0	1509.5	924.9	521.8	409.8	400.6	403.9	422.3	430.7	418.1	412.3
47.5°	1825.6	1675.9	955.9	487.6	378.0	373.0	375.5	381.4	377.2	344.6	338.7
50°	2089.9	1871.6	972.6	457.5	354.6	353.8	349.6	349.6	334.5	297.7	295.2
52.5°	2381.8	2105.0	986.8	420.7	337.9	342.0	342.0	324.5	301.9	272.6	270.1
55°	2752.3	2374.2	1007.7	388.9	323.6	322.8	332.0	310.3	286.8	261.8	261.8
57.5°	3120.2	2659.4	1032.8	361.3	307.8	309.4	322.8	305.2	292.7	282.7	281.8
60°	3488.2	2953.8	992.7	336.2	301.9	298.6	320.3	324.5	309.4	315.3	321.1
62.5°	3833.6	3142.0	831.3	314.4	291.0	296.0	342.0	368.0	363.0	357.1	358.8
65°	3996.7	3180.4	674.1	295.2	283.5	313.6	377.2	416.5	399.8	380.5	378.8
67.5°	4024.3	3080.9	495.9	283.5	279.3	344.6	404.8	427.3	402.3	394.7	388.0
70°	3830.2	2828.4	396.4	271.0	282.7	349.6	422.3	424.8	406.4	414.8	406.4
72.5°	3257.4	2355.8	347.1	259.3	283.5	337.0	422.3	425.7	404.8	429.0	424.8
75°	2332.4	1651.7	308.6	249.2	274.3	322.8	416.5	424.8	399.8	426.5	419.8
76°	1900.1	1310.5	297.7	251.7	270.1	317.8	414.8	422.3	400.6	424.8	418.1
77.5°	1255.3	856.4	279.3	250.1	262.6	315.3	410.6	419.0	399.8	419.8	413.1
80°	671.5	485.1	251.7	233.3	253.4	317.0	407.3	410.6	383.9	406.4	398.1
82.5°	442.4	361.3	217.4	211.6	244.2	319.5	405.6	400.6	370.5	406.4	383.9
85°	347.1	298.6	163.1	169.8	222.5	308.6	400.6	386.4	358.8	368.8	355.4
87.5°	294.4	245.9	97.8	121.3	194.9	262.6	355.4	319.5	303.6	313.6	307.8
90°	276.8	217.4	55.2	85.3	146.4	174.8	224.1	208.2	201.5	213.3	210.7
92.5°	279.3	212.4	54.4	81.1	156.4	188.2	231.7	213.3	193.2	193.2	190.7
95°	266.8	198.2	53.5	64.4	141.3	183.1	217.4	191.5	155.6	148.0	145.5
97.5°	116.2	96.2	50.2	49.3	81.1	126.3	158.1	137.2	102.9	80.3	80.3
100°	19.2	30.9	43.5	47.7	47.7	66.9	89.5	84.5	49.3	25.9	26.8
102.5°	20.1	17.6	30.1	39.3	30.9	27.6	41.0	51.0	32.6	10.0	10.9
105°	20.9	18.4	15.1	27.6	17.6	9.2	12.5	23.4	15.1	10.0	10.0
107.5°	22.6	19.2	9.2	10.0	7.5	7.5	6.7	5.9	7.5	10.0	10.9



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.6	15.9	8.4	7.5	6.7	7.5	5.0	5.0	5.9	10.0	10.9
112.5°	10.0	10.0	7.5	5.9	5.9	6.7	4.2	4.2	5.9	10.9	10.9
115°	10.0	10.0	6.7	5.0	4.2	5.0	4.2	3.3	5.9	10.9	11.7
117.5°	10.0	10.0	6.7	5.0	4.2	3.3	3.3	3.3	5.9	10.9	11.7
120°	10.0	9.2	5.9	4.2	4.2	2.5	2.5	2.5	5.0	10.9	11.7
122.5°	9.2	9.2	5.9	4.2	3.3	2.5	2.5	2.5	5.0	10.0	10.9
125°	8.4	8.4	5.9	4.2	3.3	2.5	1.7	2.5	5.0	9.2	10.0
127.5°	7.5	7.5	5.0	4.2	3.3	2.5	1.7	2.5	5.0	9.2	10.0
130°	6.7	6.7	5.0	3.3	3.3	1.7	1.7	1.7	5.0	8.4	9.2
132.5°	5.9	5.9	4.2	3.3	2.5	1.7	0.8	1.7	4.2	7.5	7.5
135°	5.0	5.0	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.9	6.7
137.5°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	5.0	5.0
140°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	4.2	5.0
142.5°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	4.2	5.0
145°	5.0	4.2	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.0	5.0
147.5°	5.0	5.0	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.0	5.0
150°	5.0	5.0	4.2	3.3	2.5	0.8	0.0	0.8	2.5	4.2	5.0
152.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.0	1.7	3.3	3.3
155°	4.2	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	1.7	1.7
157.5°	3.3	3.3	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.5	2.5	1.7	1.7	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)