

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: P416654

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7061 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - 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

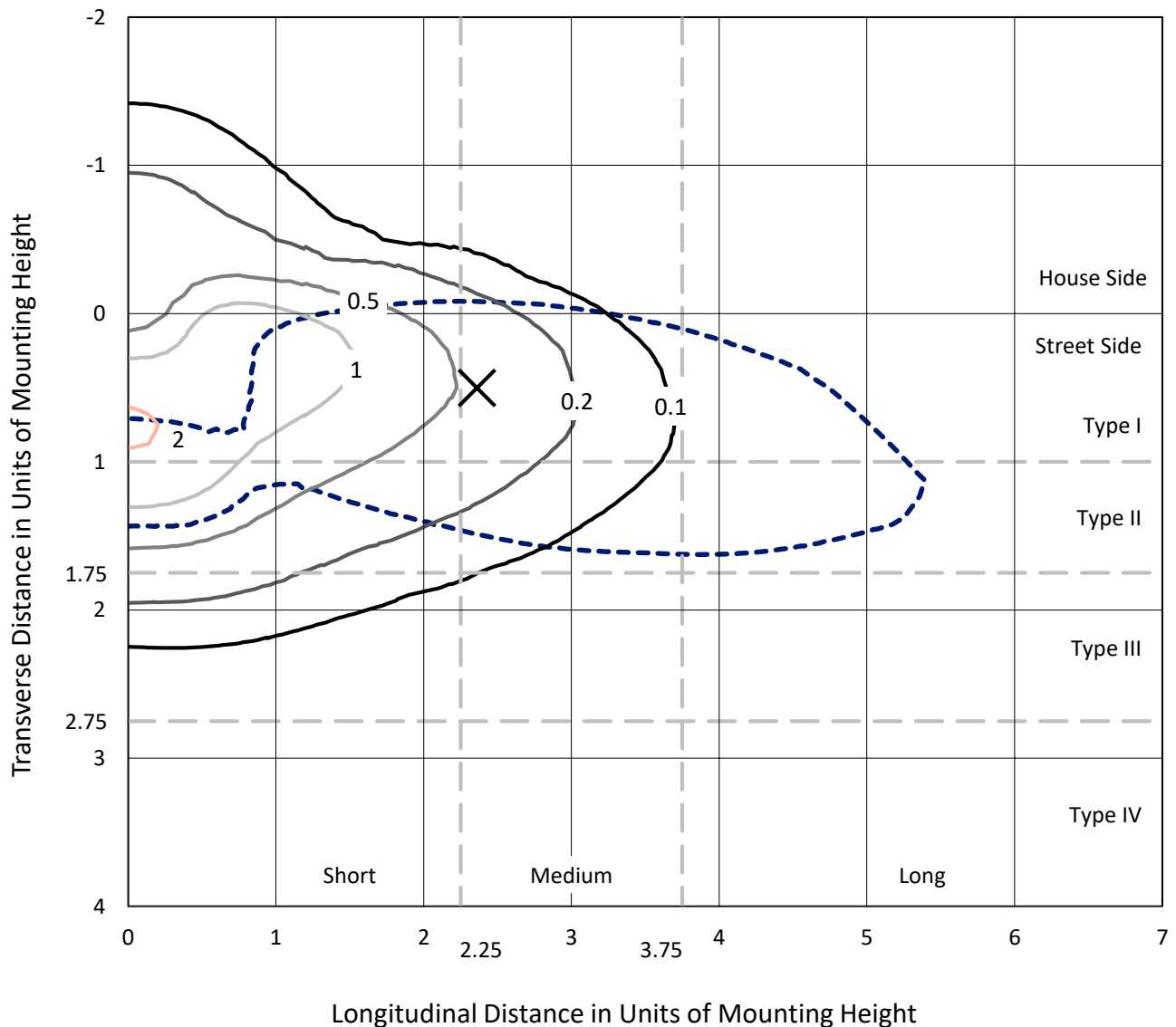


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

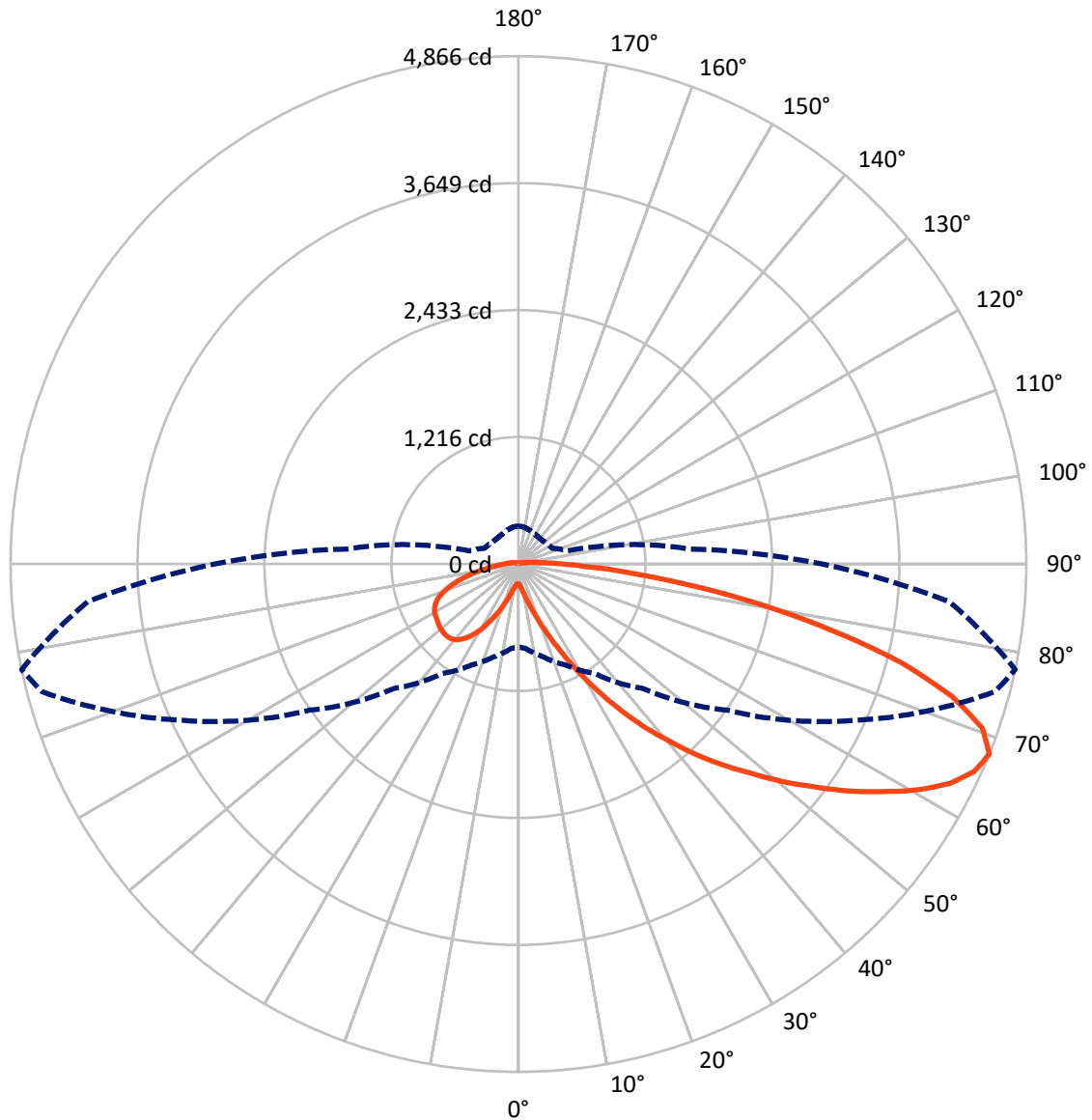


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1341.7	108.9	1450.6
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5500.0	110.4	5610.4
	% Fixture	77.9	1.6	79.5
Total	Lumens	6841.6	219.4	7061.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.3
10°-20°	109.7	1.6
20°-30°	334.3	4.7
30°-40°	747.8	10.6
40°-50°	1232.2	17.5
50°-60°	1516.5	21.5
60°-70°	1470.9	20.8
70°-80°	1018.6	14.4
80°-90°	389.9	5.5
90°-100°	111.9	1.6
100°-110°	48.5	0.7
110°-120°	26.2	0.4
120°-130°	16.2	0.2
130°-140°	10.1	0.1
140°-150°	4.9	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6841.6	96.9
0°-180°	7061.0	100.0

Coefficient of Utilization



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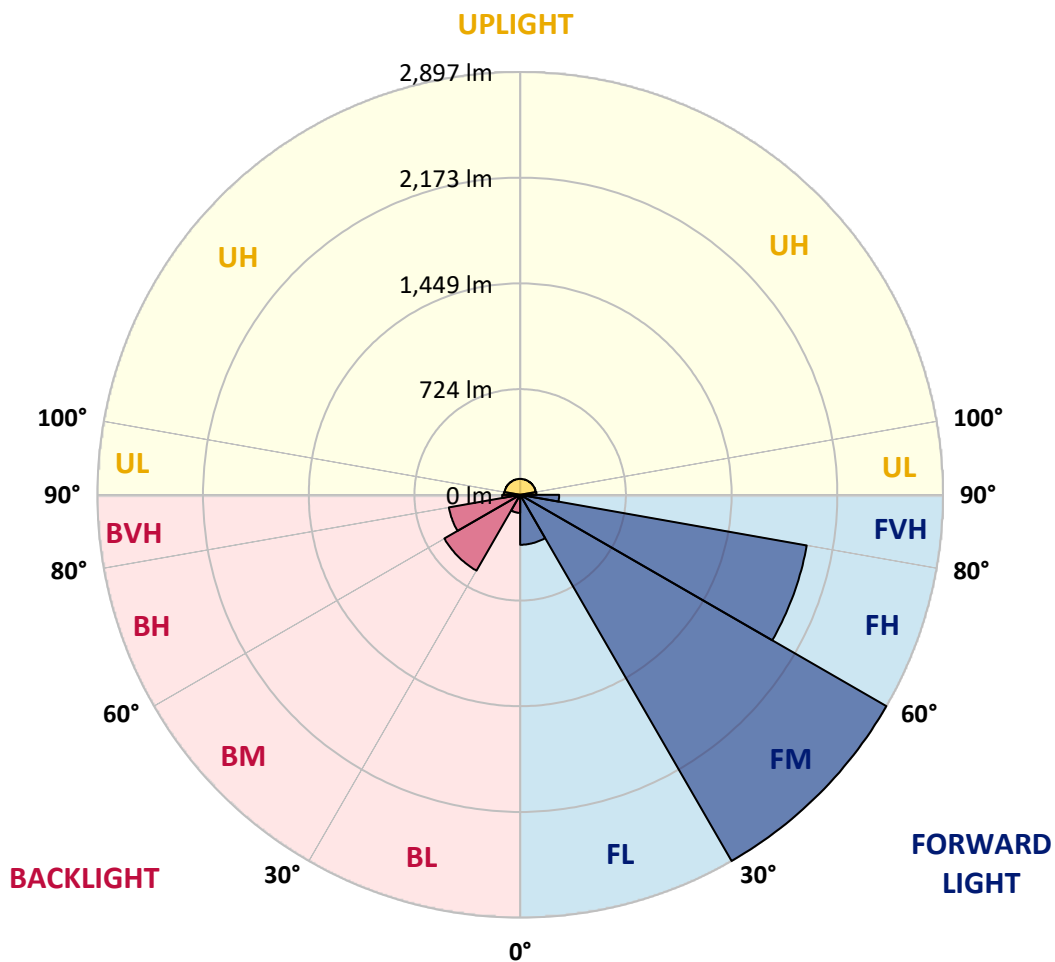
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	342.3	4.8			
FM	(30°-60°)	2897.1	41.0			
FH	(60°-80°)	1993.7	28.2			G2/5000
FVH	(80°-90°)	266.9	3.8			G3/500
BL	(0°-30°)	123.6	1.7	B1/500		
BM	(30°-60°)	599.3	8.5	B1/1000		
BH	(60°-80°)	495.8	7.0	B1/500		G1/500
BVH	(80°-90°)	123.1	1.7			G2/225
UL	(90°-100°)	111.9	1.6		U3/500	
UH	(100°-180°)	108.9	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	229.1	227.5	227.5	226.6	223.3	219.9	214.9	209.1	204.1	200.7	197.4
5°	278.5	272.6	274.3	269.3	263.4	256.7	247.5	235.0	223.3	220.8	211.6
7.5°	337.9	330.3	332.8	327.0	316.1	301.9	289.4	271.0	253.4	247.5	234.2
10°	413.1	405.6	401.4	393.0	380.5	362.1	342.9	318.6	294.4	286.0	269.3
12.5°	502.6	496.7	490.9	479.2	459.1	435.7	411.4	384.7	352.9	342.0	316.1
15°	613.8	608.8	596.3	580.4	551.1	525.2	488.4	464.1	424.8	411.4	379.7
17.5°	738.4	728.4	715.9	692.4	659.0	626.4	595.4	554.5	511.8	500.9	461.6
20°	892.3	889.0	864.7	825.4	788.6	744.3	714.2	674.0	626.4	611.3	559.5
22.5°	1074.6	1067.9	1039.5	980.1	924.9	868.1	843.8	802.0	767.7	746.8	679.1
25°	1293.7	1281.2	1234.3	1163.3	1084.7	1016.9	976.8	961.7	935.0	903.2	820.4
27.5°	1527.0	1527.9	1463.5	1358.1	1248.6	1167.4	1136.5	1142.4	1109.7	1092.2	991.0
30°	1815.6	1794.6	1710.2	1580.6	1432.5	1328.0	1309.6	1338.9	1329.7	1295.4	1175.8
32.5°	2104.1	2096.5	1992.0	1814.7	1620.7	1506.1	1492.8	1556.3	1553.8	1519.5	1367.3
35°	2391.7	2383.4	2253.8	2047.2	1817.2	1685.9	1674.2	1757.9	1788.0	1753.7	1583.1
37.5°	2681.1	2661.9	2531.4	2280.5	2003.7	1850.7	1855.7	1961.1	2031.3	2000.4	1791.3
40°	2936.2	2932.8	2780.6	2495.4	2183.5	2017.9	2051.4	2190.2	2276.3	2233.7	2002.9
42.5°	3131.9	3117.6	2983.0	2673.6	2344.9	2174.3	2232.0	2416.0	2526.4	2497.1	2211.1
45°	3222.2	3213.8	3105.9	2808.2	2470.4	2309.8	2400.9	2625.1	2775.6	2743.8	2425.2
47.5°	3197.9	3190.4	3131.9	2874.3	2553.2	2426.0	2549.8	2828.3	3037.4	2994.7	2638.5
50°	3052.4	3059.9	3041.5	2855.0	2582.4	2500.5	2691.1	3031.5	3293.3	3273.2	2844.2
52.5°	2786.5	2808.2	2837.5	2754.7	2555.7	2533.9	2793.2	3208.0	3547.5	3546.6	3072.5
55°	2441.1	2456.1	2558.2	2543.1	2453.6	2533.1	2868.4	3381.9	3833.5	3837.7	3308.3
57.5°	2074.8	2067.3	2202.8	2281.4	2304.8	2468.7	2905.2	3535.8	4086.0	4115.3	3557.5
60°	1674.2	1701.8	1828.9	1989.5	2077.3	2341.6	2892.7	3644.5	4329.4	4393.8	3784.1
62.5°	1360.6	1348.1	1487.7	1662.5	1840.6	2159.3	2801.5	3695.5	4561.1	4633.0	3993.2
65°	1027.8	1053.7	1180.0	1334.7	1546.3	1929.3	2654.3	3668.7	4704.1	4796.0	4124.5
67.5°	792.8	812.9	920.7	1066.3	1282.0	1685.1	2441.9	3544.1	4725.8	4865.5	4142.9
70°	613.0	628.9	705.0	828.7	1034.5	1415.8	2143.4	3306.6	4607.0	4715.8	3974.0
72.5°	488.4	495.1	548.6	649.0	817.0	1154.9	1818.9	2933.7	4248.3	4345.3	3627.8
75°	383.9	393.9	437.4	512.6	638.1	923.2	1486.9	2478.7	3702.2	3802.5	3150.3
77.5°	305.2	315.3	347.9	400.6	495.1	711.7	1161.6	2019.6	3022.3	3084.2	2509.7
80°	242.5	247.5	275.1	314.4	384.7	548.6	874.7	1532.9	2288.9	2353.3	1864.9
82.5°	184.0	188.2	215.8	250.0	300.2	415.6	632.2	1078.0	1612.3	1629.9	1266.1
85°	132.1	139.7	162.2	190.7	230.0	309.4	453.3	731.7	1028.6	1055.4	802.0
87.5°	93.7	97.0	119.6	146.3	175.6	229.1	315.3	481.7	633.1	625.5	486.7
90°	63.6	66.1	86.1	107.9	133.8	171.4	219.9	302.7	388.9	376.3	305.2
92.5°	42.7	46.8	63.6	82.0	104.5	132.1	156.4	198.2	240.8	229.1	194.0
95°	31.8	33.5	48.5	65.2	83.6	101.2	116.2	135.5	153.9	150.5	133.8
97.5°	25.1	26.8	39.3	53.5	67.7	82.0	90.3	97.0	107.0	106.2	96.2
100°	21.7	22.6	33.5	46.0	58.5	68.6	73.6	75.3	78.6	76.9	73.6
102.5°	18.4	20.1	29.3	40.1	51.0	58.5	61.9	60.2	59.4	57.7	54.4
105°	16.7	17.6	25.9	36.0	45.2	51.0	51.8	49.3	45.2	44.3	42.7
107.5°	15.9	16.7	23.4	32.6	40.1	45.2	44.3	41.0	36.0	34.3	33.5
110°	15.1	15.9	21.7	29.3	36.8	40.1	39.3	34.3	28.4	26.8	27.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	15.1	15.1	20.1	26.8	33.5	36.0	34.3	29.3	23.4	22.6	23.4
115°	14.2	15.1	19.2	25.1	30.1	32.6	30.1	25.1	20.1	19.2	20.1
117.5°	14.2	15.1	18.4	23.4	28.4	29.3	26.8	21.7	16.7	16.7	18.4
120°	14.2	15.1	17.6	21.7	25.9	26.8	24.3	19.2	15.1	15.1	16.7
122.5°	15.1	15.1	16.7	20.9	24.3	25.1	21.7	16.7	14.2	14.2	15.9
125°	15.1	15.1	16.7	19.2	22.6	22.6	20.1	15.1	12.5	12.5	15.1
127.5°	15.1	15.1	16.7	18.4	20.9	20.9	18.4	14.2	11.7	11.7	14.2
130°	15.1	15.9	15.9	17.6	19.2	19.2	16.7	12.5	11.7	11.7	13.4
132.5°	15.9	15.9	15.9	16.7	18.4	17.6	14.2	11.7	10.9	10.9	12.5
135°	15.1	15.1	15.1	15.9	16.7	15.9	12.5	10.0	10.0	10.9	11.7
137.5°	15.1	15.1	15.1	14.2	15.1	14.2	11.7	9.2	9.2	10.0	10.9
140°	13.4	14.2	13.4	13.4	13.4	12.5	10.0	7.5	8.4	9.2	9.2
142.5°	12.5	12.5	12.5	11.7	11.7	10.9	8.4	6.7	7.5	7.5	8.4
145°	11.7	11.7	10.9	10.0	10.0	8.4	6.7	5.9	6.7	6.7	7.5
147.5°	10.0	10.0	10.0	8.4	7.5	6.7	4.2	4.2	5.0	5.9	5.9
150°	8.4	8.4	8.4	7.5	5.9	5.0	3.3	4.2	4.2	4.2	5.0
152.5°	6.7	6.7	6.7	5.9	5.0	3.3	2.5	3.3	3.3	3.3	4.2
155°	4.2	4.2	4.2	4.2	3.3	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	2.5	1.7	1.7	1.7	1.7	1.7	1.7
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°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	194.9	192.3	188.2	184.0	179.8	175.6	172.3	171.4	168.9	168.9	168.1
5°	206.6	202.4	191.5	183.1	173.9	166.4	160.6	158.1	155.5	153.9	153.9
7.5°	227.5	218.3	202.4	188.2	175.6	164.7	157.2	153.0	149.7	148.0	148.0
10°	255.9	244.2	219.9	199.0	180.6	167.3	158.9	153.9	151.4	149.7	148.9
12.5°	297.7	281.0	245.9	215.8	192.3	175.6	164.7	161.4	162.2	162.2	162.2
15°	354.6	330.3	282.7	241.7	208.2	186.5	179.0	179.0	181.5	182.3	180.6
17.5°	428.2	395.6	328.7	267.6	228.3	205.7	197.4	197.4	201.5	204.1	204.1
20°	518.5	471.7	377.2	301.9	251.7	227.5	217.4	218.3	223.3	226.6	226.6
22.5°	622.2	567.0	439.0	337.0	277.6	246.7	235.8	236.7	245.0	249.2	250.9
25°	756.8	671.5	500.9	373.0	301.9	265.1	254.2	255.1	265.9	271.8	271.8
27.5°	899.0	787.8	563.7	408.1	322.8	281.8	271.0	273.5	285.2	290.2	291.9
30°	1050.4	911.5	626.4	438.2	339.5	294.4	283.5	288.5	299.4	306.9	307.7
32.5°	1218.5	1032.8	676.5	462.5	353.7	305.2	294.4	301.9	311.1	319.5	320.3
35°	1394.1	1153.2	720.9	479.2	362.9	314.4	302.7	310.3	319.5	327.0	326.1
37.5°	1551.3	1251.9	750.1	485.9	368.0	319.5	308.6	316.1	324.5	330.3	330.3
40°	1706.0	1354.8	764.4	480.9	368.0	322.0	311.1	319.5	327.0	330.3	330.3
42.5°	1853.2	1430.9	761.8	470.8	366.3	322.8	312.8	320.3	327.0	328.7	328.7
45°	1980.3	1501.1	746.8	454.1	360.4	322.0	313.6	320.3	325.3	325.3	326.1
47.5°	2130.8	1556.3	725.1	436.5	353.7	320.3	311.9	319.5	323.6	323.6	322.8
50°	2266.3	1609.8	695.8	417.3	347.9	318.6	311.1	318.6	323.6	322.0	322.0
52.5°	2410.1	1657.5	665.7	399.7	342.0	317.8	311.1	318.6	323.6	322.8	323.6
55°	2543.1	1705.2	628.0	383.9	338.7	316.9	311.9	319.5	326.1	326.1	325.3
57.5°	2713.7	1730.3	598.8	373.0	335.3	316.9	312.8	321.1	329.5	330.3	331.2
60°	2834.1	1762.9	574.5	366.3	335.3	318.6	315.3	323.6	334.5	338.7	341.2
62.5°	2921.9	1761.2	545.3	362.9	336.2	320.3	317.8	326.1	340.4	346.2	349.6
65°	2967.9	1731.1	515.1	360.4	337.0	322.0	319.5	327.8	344.5	355.4	358.8
67.5°	2907.7	1650.0	484.2	356.3	336.2	321.1	320.3	329.5	347.1	361.3	362.9
70°	2761.4	1512.8	447.4	347.1	332.8	318.6	317.8	325.3	344.5	361.3	362.9
72.5°	2483.7	1338.9	404.8	333.7	325.3	312.8	310.3	317.8	336.2	352.9	352.9
75°	2112.4	1137.3	362.9	314.4	310.3	302.7	300.2	304.4	320.3	336.2	337.0
77.5°	1654.2	905.7	318.6	287.7	291.9	286.0	283.5	286.0	300.2	311.1	311.9
80°	1258.6	689.9	276.0	255.9	265.9	264.3	261.8	260.9	271.0	279.3	276.8
82.5°	868.1	490.9	228.3	222.4	233.3	235.8	235.0	229.1	236.7	243.4	239.2
85°	560.3	347.1	190.7	188.2	198.2	202.4	201.5	197.4	199.0	206.6	198.2
87.5°	362.1	249.2	157.2	155.5	163.9	168.9	168.9	160.6	163.9	171.4	162.2
90°	226.6	176.5	131.3	130.5	136.3	138.8	135.5	130.5	132.1	136.3	133.0
92.5°	160.6	133.0	109.6	109.6	111.2	112.9	111.2	105.4	108.7	108.7	108.7
95°	117.1	105.4	95.3	93.7	92.8	92.0	91.2	87.0	90.3	89.5	87.0
97.5°	89.5	84.5	81.1	80.3	78.6	77.8	76.9	73.6	76.1	74.4	72.8
100°	70.2	69.4	69.4	69.4	67.7	65.2	65.2	64.4	64.4	61.9	61.9
102.5°	56.0	56.0	59.4	60.2	58.5	56.9	56.9	56.0	55.2	51.8	51.0
105°	44.3	46.0	51.0	51.8	51.0	49.3	48.5	48.5	46.8	42.7	42.7
107.5°	36.0	37.6	43.5	45.2	44.3	43.5	42.7	41.8	40.1	36.0	36.0
110°	29.3	31.8	36.8	39.3	38.5	37.6	37.6	36.0	34.3	30.9	30.9



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.1	27.6	31.8	34.3	34.3	33.5	32.6	31.8	29.3	26.8	26.8
115°	21.7	24.3	28.4	30.1	30.1	29.3	28.4	27.6	25.1	23.4	24.3
117.5°	20.1	21.7	25.1	26.8	26.8	25.9	25.1	24.3	22.6	21.7	21.7
120°	18.4	20.1	22.6	24.3	24.3	23.4	22.6	21.7	20.1	20.1	20.1
122.5°	16.7	18.4	20.9	21.7	21.7	20.9	20.1	19.2	17.6	18.4	18.4
125°	15.9	16.7	18.4	20.1	20.1	19.2	18.4	16.7	15.9	16.7	16.7
127.5°	15.1	15.9	17.6	18.4	18.4	17.6	15.9	15.1	14.2	15.1	15.1
130°	14.2	15.1	15.9	16.7	16.7	15.1	14.2	13.4	13.4	14.2	14.2
132.5°	13.4	14.2	14.2	15.1	15.1	14.2	12.5	11.7	11.7	12.5	12.5
135°	12.5	12.5	13.4	13.4	13.4	12.5	10.9	10.0	10.9	11.7	11.7
137.5°	10.9	11.7	11.7	12.5	11.7	10.9	9.2	9.2	10.0	10.0	10.0
140°	10.0	10.0	10.9	10.9	10.0	9.2	8.4	7.5	8.4	9.2	9.2
142.5°	9.2	9.2	9.2	9.2	9.2	7.5	6.7	6.7	7.5	7.5	7.5
145°	7.5	7.5	8.4	7.5	7.5	5.9	5.0	5.9	6.7	6.7	6.7
147.5°	5.9	6.7	6.7	6.7	5.9	4.2	3.3	5.0	5.9	5.9	5.9
150°	5.0	5.0	5.0	5.0	5.0	3.3	2.5	4.2	5.0	5.0	5.0
152.5°	4.2	4.2	5.0	5.0	4.2	2.5	1.7	3.3	4.2	4.2	3.3
155°	3.3	3.3	4.2	4.2	3.3	1.7	1.7	2.5	3.3	3.3	2.5
157.5°	2.5	3.3	3.3	3.3	2.5	1.7	0.8	1.7	2.5	2.5	2.5
160°	2.5	2.5	2.5	3.3	2.5	1.7	0.8	1.7	2.5	1.7	1.7
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)