

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: P417126

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417126  
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-PA1-90-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 8865 lumens  
Efficiency: N/A  
Efficacy: 94.3 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: B3 - U3 - G3

Input Watts (W): 94  
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

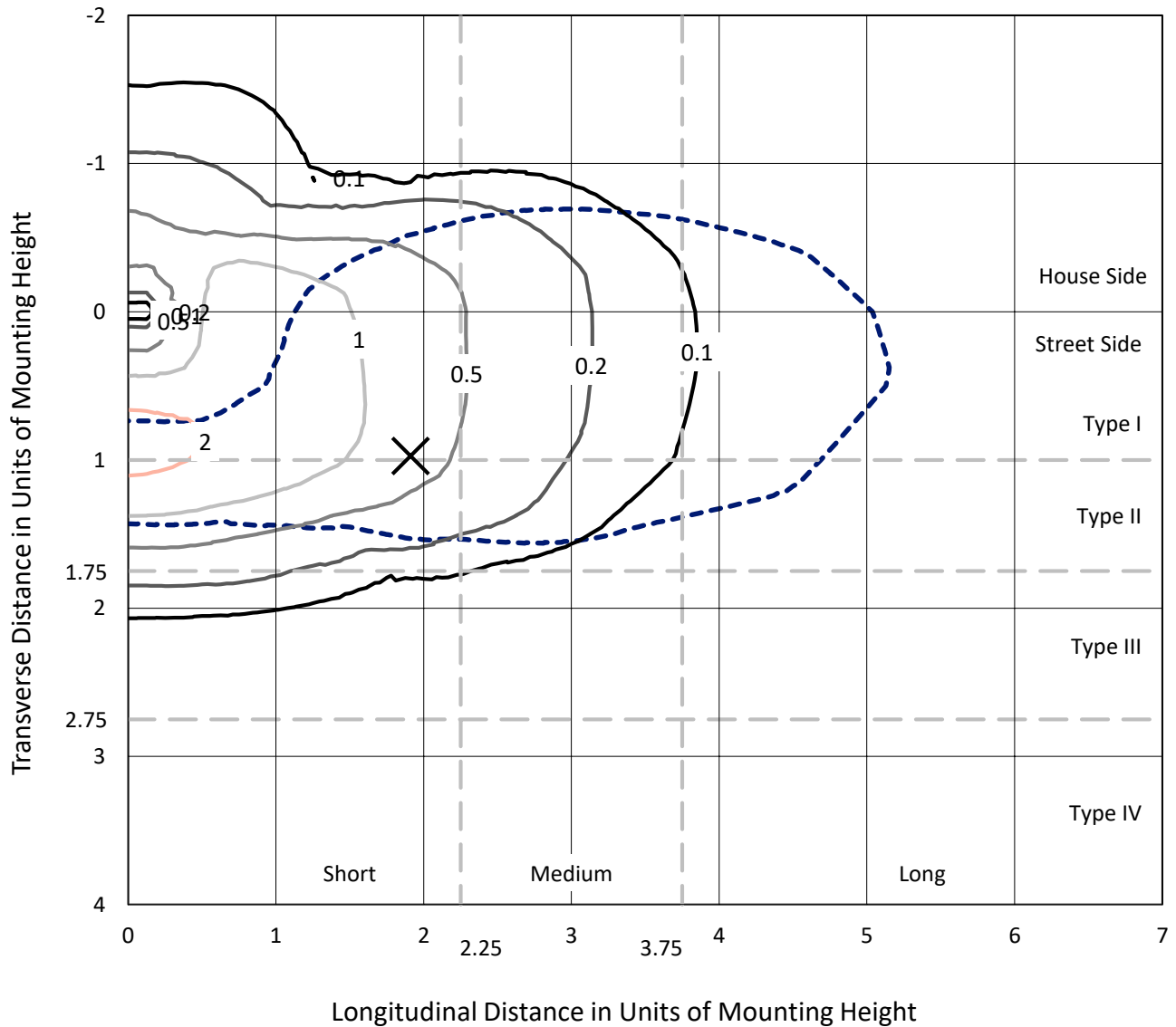


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

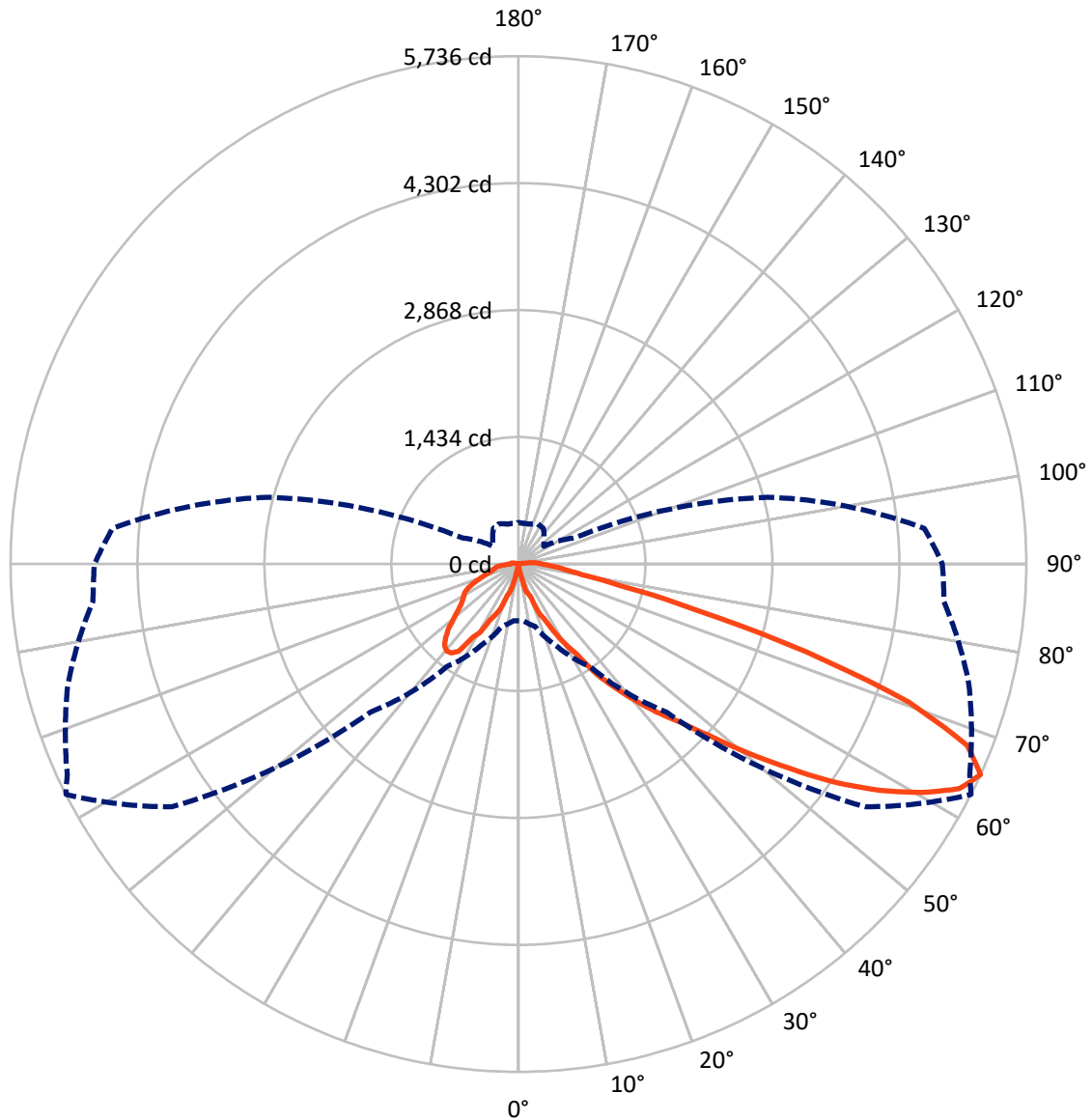


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type II - Short - Non-Cutoff

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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
<b>House Side</b>	Lumens	2522.9	73.2	2596.1
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	6200.7	68.2	6268.9
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	8723.6	141.4	8865.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	79.6	0.9
20°-30°	325.7	3.7
30°-40°	846.2	9.5
40°-50°	1609.1	18.2
50°-60°	2166.2	24.4
60°-70°	2052.1	23.1
70°-80°	1285.9	14.5
80°-90°	353.1	4.0
90°-100°	98.8	1.1
100°-110°	18.4	0.2
110°-120°	8.9	0.1
120°-130°	6.5	0.1
130°-140°	4.2	0.0
140°-150°	3.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8723.6	98.4
0°-180°	8865.0	100.0



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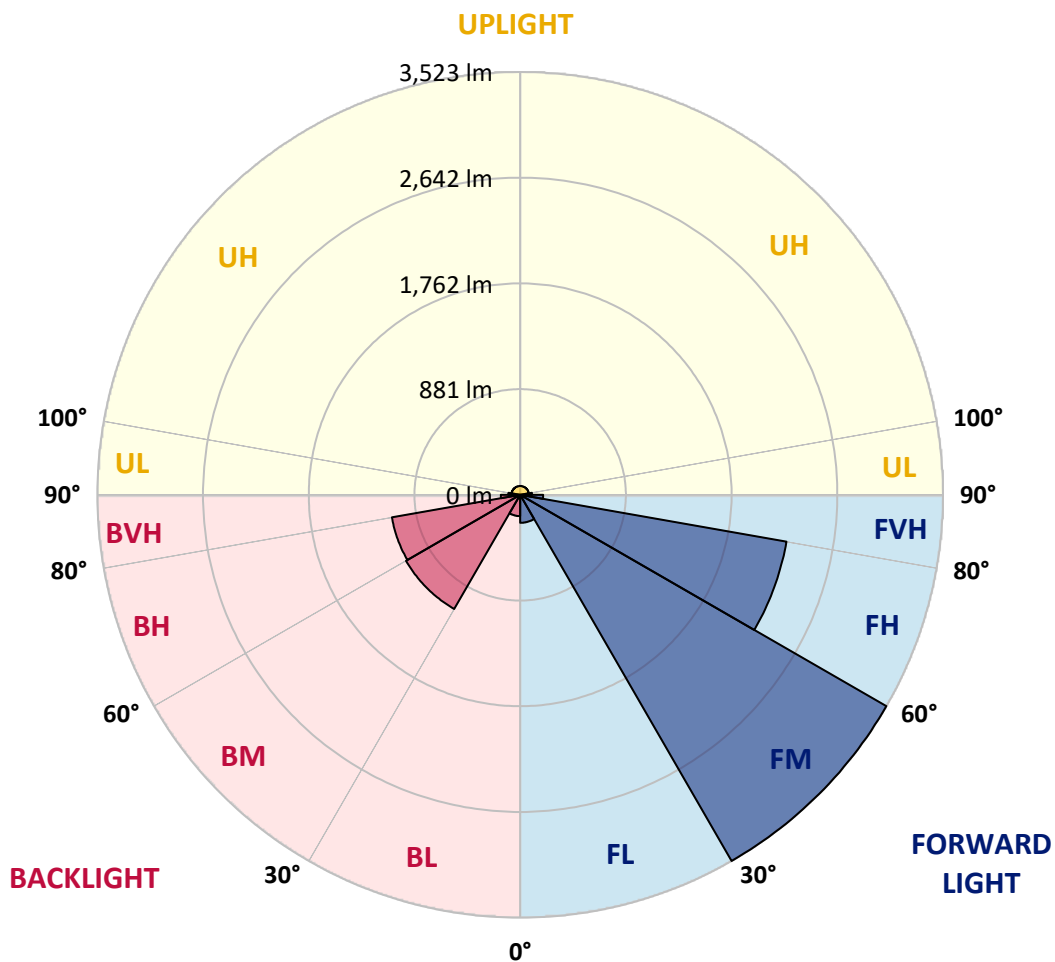
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.3	2.6			
FM (30°-60°)	3523.1	39.7			
FH (60°-80°)	2252.8	25.4			G2/5000
FVH (80°-90°)	191.5	2.2			G2/225
BL (0°-30°)	177.7	2.0	B1/500		
BM (30°-60°)	1098.4	12.4	B2/2500		
BH (60°-80°)	1085.2	12.2	B3/2500		G3/2500
BVH (80°-90°)	161.6	1.8			G2/225
UL (90°-100°)	98.8	1.1		U3/500	
UH (100°-180°)	73.2	0.8		U3/500	

**BUG Rating: B3-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	11.8	10.8	11.8	11.8	10.8	9.8	8.8	7.9	6.9	4.9	3.9
5°	138.4	139.4	137.5	134.5	48.1	21.6	12.8	9.8	8.8	5.9	4.9
7.5°	159.1	158.1	157.1	155.1	148.3	139.4	75.6	17.7	13.7	7.9	4.9
10°	174.8	172.8	167.9	166.9	160.0	155.1	143.3	92.3	77.6	13.7	9.8
12.5°	318.1	311.2	305.3	252.3	176.7	166.9	160.0	139.4	136.5	87.4	130.6
15°	332.8	333.8	329.9	324.0	310.3	208.1	259.2	314.2	313.2	271.0	267.1
17.5°	378.0	375.1	360.3	345.6	340.7	370.2	367.2	350.5	350.5	310.3	293.6
20°	584.2	579.3	570.4	475.2	423.2	478.2	448.7	390.8	392.7	479.1	520.4
22.5°	676.5	674.5	656.8	614.6	598.9	527.2	591.1	611.7	599.9	606.8	581.2
25°	925.9	916.0	838.5	763.9	772.7	711.8	710.8	698.1	691.2	660.8	706.9
27.5°	1178.2	1170.3	1152.7	1047.6	892.5	858.1	803.1	876.8	857.1	927.8	943.5
30°	1561.1	1489.4	1340.2	1269.5	1218.5	1054.5	1038.8	1061.4	1055.5	1035.8	1018.2
32.5°	1959.7	1930.3	1842.9	1584.7	1422.7	1328.4	1282.3	1212.6	1180.2	1391.3	1406.0
35°	2376.0	2348.5	2134.5	1984.3	1706.4	1553.3	1527.7	1537.5	1494.3	1597.4	1572.9
37.5°	3108.5	3094.7	2879.7	2413.3	2122.7	1823.3	1787.9	1776.1	1708.4	1783.0	1784.0
40°	3578.8	3556.2	3318.6	2974.9	2506.6	2257.2	2085.4	2017.7	2000.0	2003.9	2004.9
42.5°	3928.3	3892.0	3753.5	3437.4	2948.4	2655.9	2413.3	2282.8	2318.1	2249.4	2245.4
45°	4155.1	4135.5	4009.8	3745.7	3407.0	3261.6	2832.6	2538.0	2656.8	2534.1	2528.2
47.5°	4206.2	4197.3	4109.9	3977.4	3836.0	3775.1	3338.2	2887.6	2996.5	2942.5	2832.6
50°	3984.3	3992.1	3959.7	4007.8	4162.0	4231.7	3871.4	3351.0	3410.9	3282.3	3141.9
52.5°	3499.2	3498.3	3616.1	3829.1	4281.8	4560.6	4365.2	3833.1	3830.1	3597.4	3438.4
55°	2809.0	2862.0	3061.3	3392.2	4117.8	4711.8	4833.6	4363.3	4280.8	3965.6	3702.5
57.5°	2140.4	2209.1	2453.6	2754.0	3651.4	4604.8	5174.3	4823.7	4738.3	4297.5	3982.3
60°	1448.2	1474.7	1783.0	2130.6	2904.3	4193.4	5334.3	5239.1	5144.8	4636.2	4265.1
62.5°	965.1	988.7	1165.4	1588.6	2082.5	3407.9	5231.2	5589.6	5464.9	5036.8	4560.6
65°	642.1	642.1	729.5	1022.1	1416.8	2366.2	4779.6	5735.9	5622.9	5268.5	4822.8
67.5°	473.2	481.1	509.6	658.8	965.1	1415.8	3801.7	5465.9	5477.6	5295.0	4906.2
70°	429.1	434.0	458.5	496.8	689.2	842.4	2512.5	4682.4	4885.6	5094.7	4799.2
72.5°	375.1	377.0	416.3	457.5	543.0	646.0	1461.0	3403.0	3830.1	4658.8	4504.6
75°	314.2	317.1	348.6	410.4	469.3	542.0	777.6	2071.7	2496.8	4000.0	4114.9
77.5°	255.3	262.1	287.7	335.8	431.0	454.6	597.0	1184.1	1446.2	2978.9	3478.6
80°	196.4	203.2	225.8	264.1	352.5	401.6	495.8	728.5	876.8	1851.7	2431.0
82.5°	134.5	139.4	162.0	190.5	252.3	334.8	410.4	537.1	580.3	1013.2	1341.2
85°	95.2	98.2	112.9	125.7	157.1	219.9	342.7	426.1	437.9	537.1	545.9
87.5°	54.0	53.0	55.0	63.8	71.7	85.4	202.3	312.2	326.9	374.1	347.6
90°	37.3	36.3	30.4	29.5	33.4	36.3	114.9	248.4	261.2	301.4	309.3
92.5°	39.3	37.3	29.5	27.5	31.4	33.4	76.6	217.0	244.5	301.4	318.1
95°	37.3	35.3	26.5	23.6	28.5	29.5	47.1	149.2	192.4	281.8	311.2
97.5°	32.4	30.4	21.6	19.6	23.6	23.6	26.5	68.7	94.3	131.6	148.3
100°	26.5	24.5	17.7	15.7	16.7	17.7	16.7	34.4	34.4	36.3	28.5
102.5°	23.6	22.6	14.7	12.8	11.8	11.8	10.8	16.7	17.7	19.6	24.5
105°	20.6	19.6	12.8	10.8	8.8	8.8	7.9	10.8	11.8	16.7	23.6
107.5°	14.7	14.7	10.8	8.8	7.9	7.9	5.9	8.8	9.8	14.7	24.5
110°	9.8	9.8	7.9	7.9	6.9	7.9	5.9	8.8	8.8	11.8	18.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	7.9	7.9	6.9	5.9	4.9	5.9	6.9	7.9	7.9	8.8	11.8
115°	7.9	6.9	5.9	4.9	3.9	4.9	4.9	6.9	6.9	8.8	11.8
117.5°	7.9	7.9	5.9	4.9	3.9	3.9	4.9	5.9	5.9	8.8	12.8
120°	7.9	7.9	5.9	4.9	3.9	2.9	3.9	5.9	5.9	7.9	11.8
122.5°	7.9	7.9	5.9	4.9	3.9	2.9	3.9	4.9	4.9	6.9	11.8
125°	8.8	8.8	6.9	4.9	3.9	2.9	3.9	3.9	3.9	6.9	10.8
127.5°	8.8	8.8	6.9	4.9	3.9	2.9	3.9	3.9	3.9	5.9	8.8
130°	8.8	8.8	6.9	4.9	3.9	2.9	3.9	2.9	2.9	4.9	7.9
132.5°	8.8	7.9	6.9	5.9	4.9	3.9	3.9	2.9	2.9	2.9	5.9
135°	7.9	7.9	6.9	5.9	4.9	3.9	3.9	2.9	2.9	2.9	3.9
137.5°	7.9	7.9	7.9	6.9	5.9	4.9	3.9	2.9	2.9	2.9	2.9
140°	8.8	8.8	8.8	7.9	5.9	4.9	3.9	2.9	2.9	2.9	2.9
142.5°	9.8	9.8	9.8	8.8	5.9	4.9	4.9	2.9	2.9	2.9	2.9
145°	10.8	10.8	10.8	8.8	5.9	4.9	4.9	3.9	3.9	2.9	3.9
147.5°	11.8	11.8	10.8	8.8	4.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	10.8	9.8	9.8	6.9	3.9	2.0	2.9	2.9	2.9	3.9	3.9
152.5°	7.9	7.9	6.9	4.9	2.9	1.0	2.0	2.0	2.9	2.9	2.9
155°	4.9	4.9	3.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	3.9	3.9	4.9	5.9	5.9	6.9	6.9	6.9	6.9	6.9	6.9
5°	3.9	3.9	4.9	5.9	6.9	7.9	8.8	8.8	8.8	9.8	9.8
7.5°	4.9	4.9	4.9	6.9	7.9	10.8	29.5	88.4	136.5	140.4	142.4
10°	9.8	9.8	9.8	9.8	21.6	125.7	156.1	163.0	166.9	169.9	169.9
12.5°	131.6	130.6	47.1	23.6	108.0	163.0	172.8	177.7	181.6	184.6	185.6
15°	267.1	268.0	268.0	271.0	196.4	177.7	187.5	276.9	327.9	337.7	341.7
17.5°	292.6	292.6	291.6	325.0	365.2	288.7	322.0	351.5	361.3	366.2	368.2
20°	534.1	533.1	430.0	373.1	385.9	479.1	360.3	374.1	381.9	455.6	457.5
22.5°	589.1	586.2	573.4	576.3	454.6	518.4	493.9	479.1	525.3	523.3	525.3
25°	723.6	652.9	625.4	619.5	658.8	539.0	572.4	495.8	507.6	505.6	507.6
27.5°	947.5	921.9	858.1	725.6	702.0	665.7	573.4	520.4	585.2	599.9	601.9
30°	1016.2	983.8	916.0	921.9	782.5	677.5	558.7	576.3	553.8	551.8	547.9
32.5°	1393.2	1351.0	1248.9	1005.4	871.9	636.2	561.6	524.3	536.1	575.4	577.3
35°	1552.3	1504.2	1432.5	1283.3	845.4	624.4	513.5	511.5	519.4	520.4	518.4
37.5°	1732.9	1670.1	1602.3	1352.0	882.7	565.5	479.1	480.1	497.8	532.2	528.2
40°	1943.0	1873.3	1763.4	1392.2	792.3	530.2	456.6	471.3	489.9	482.1	475.2
42.5°	2179.7	2065.8	1893.0	1384.4	689.2	489.0	450.7	460.5	457.5	442.8	438.9
45°	2424.1	2303.4	2019.6	1318.6	596.0	462.4	439.9	442.8	431.0	412.4	408.4
47.5°	2705.9	2546.9	2091.3	1222.4	521.4	460.5	436.9	427.1	404.5	387.8	386.8
50°	2989.7	2815.9	2203.2	1093.8	465.4	452.6	443.8	423.2	395.7	379.0	377.0
52.5°	3267.5	3115.4	2324.0	985.8	423.2	443.8	446.7	425.1	395.7	371.1	370.2
55°	3546.4	3412.8	2454.6	900.3	394.7	442.8	457.5	431.0	401.6	365.2	364.3
57.5°	3826.2	3696.6	2580.3	843.4	381.9	430.0	464.4	449.7	417.3	386.8	388.8
60°	4158.1	4004.9	2728.5	803.1	377.0	423.2	470.3	471.3	427.1	392.7	397.6
62.5°	4484.0	4328.9	2854.2	765.8	364.3	416.3	473.2	488.0	448.7	419.2	424.2
65°	4787.4	4602.8	2912.1	694.2	348.6	408.4	490.9	502.7	465.4	462.4	468.3
67.5°	4903.3	4731.4	2855.2	604.8	338.7	408.4	509.6	523.3	483.1	498.8	514.5
70°	4791.3	4648.0	2711.8	492.9	341.7	411.4	512.5	533.1	508.6	521.4	535.1
72.5°	4443.8	4261.1	2363.3	396.7	341.7	407.5	499.8	517.4	498.8	541.0	554.7
75°	4004.9	3686.8	1881.2	326.9	331.9	405.5	470.3	490.9	472.3	516.4	531.2
77.5°	3307.8	2900.3	1300.9	288.7	318.1	387.8	439.9	443.8	425.1	451.6	458.5
80°	2332.8	1954.8	823.8	261.2	304.4	350.5	389.8	382.9	364.3	369.2	375.1
82.5°	1300.9	1033.9	480.1	240.5	285.7	291.6	319.1	321.1	296.5	297.5	298.5
85°	516.4	478.2	325.0	202.3	230.7	210.1	238.6	248.4	224.8	197.3	191.5
87.5°	342.7	325.0	226.8	138.4	141.4	118.8	155.1	161.0	132.5	114.9	113.9
90°	326.0	316.1	195.4	93.3	78.5	64.8	86.4	83.5	63.8	56.0	56.9
92.5°	335.8	329.9	198.3	89.3	76.6	61.9	76.6	65.8	48.1	42.2	43.2
95°	330.9	327.9	193.4	87.4	72.7	56.9	64.8	53.0	37.3	33.4	33.4
97.5°	157.1	165.9	119.8	78.5	64.8	48.1	50.1	40.3	26.5	24.5	23.6
100°	23.6	37.3	64.8	72.7	48.1	33.4	32.4	26.5	16.7	15.7	15.7
102.5°	24.5	26.5	40.3	50.1	26.5	17.7	17.7	15.7	12.8	14.7	14.7
105°	26.5	24.5	23.6	27.5	15.7	10.8	9.8	9.8	10.8	15.7	16.7
107.5°	28.5	26.5	18.7	14.7	11.8	9.8	7.9	6.9	9.8	16.7	17.7
110°	21.6	20.6	15.7	11.8	11.8	10.8	6.9	6.9	10.8	17.7	19.6



REPORT NUMBER: P417126

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.8	14.7	13.7	10.8	9.8	9.8	6.9	6.9	10.8	18.7	20.6
115°	13.7	13.7	11.8	8.8	7.9	7.9	6.9	5.9	10.8	19.6	20.6
117.5°	13.7	13.7	11.8	8.8	6.9	5.9	5.9	5.9	10.8	19.6	20.6
120°	13.7	13.7	11.8	7.9	6.9	5.9	5.9	5.9	10.8	18.7	20.6
122.5°	12.8	12.8	10.8	7.9	5.9	5.9	5.9	5.9	10.8	17.7	18.7
125°	11.8	11.8	9.8	6.9	5.9	4.9	5.9	5.9	9.8	15.7	16.7
127.5°	9.8	10.8	8.8	6.9	5.9	4.9	5.9	5.9	8.8	13.7	14.7
130°	8.8	8.8	7.9	5.9	4.9	4.9	5.9	5.9	8.8	12.8	13.7
132.5°	6.9	6.9	5.9	5.9	4.9	4.9	4.9	4.9	6.9	10.8	10.8
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	7.9	8.8
137.5°	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.9	6.9
140°	2.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	5.9
142.5°	2.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	5.9	6.9	6.9
145°	3.9	3.9	4.9	4.9	4.9	3.9	4.9	4.9	5.9	6.9	6.9
147.5°	3.9	3.9	4.9	4.9	4.9	3.9	3.9	4.9	5.9	6.9	6.9
150°	3.9	3.9	4.9	4.9	3.9	2.9	3.9	3.9	4.9	6.9	6.9
152.5°	3.9	3.9	3.9	3.9	2.9	2.0	2.9	2.9	3.9	4.9	4.9
155°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	3.9
157.5°	2.0	2.0	2.0	2.9	2.0	2.0	1.0	1.0	1.0	2.0	2.0
160°	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
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)