

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: P417377

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7586 lumens
Efficiency: N/A
Efficacy: 80.7 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 - G2

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

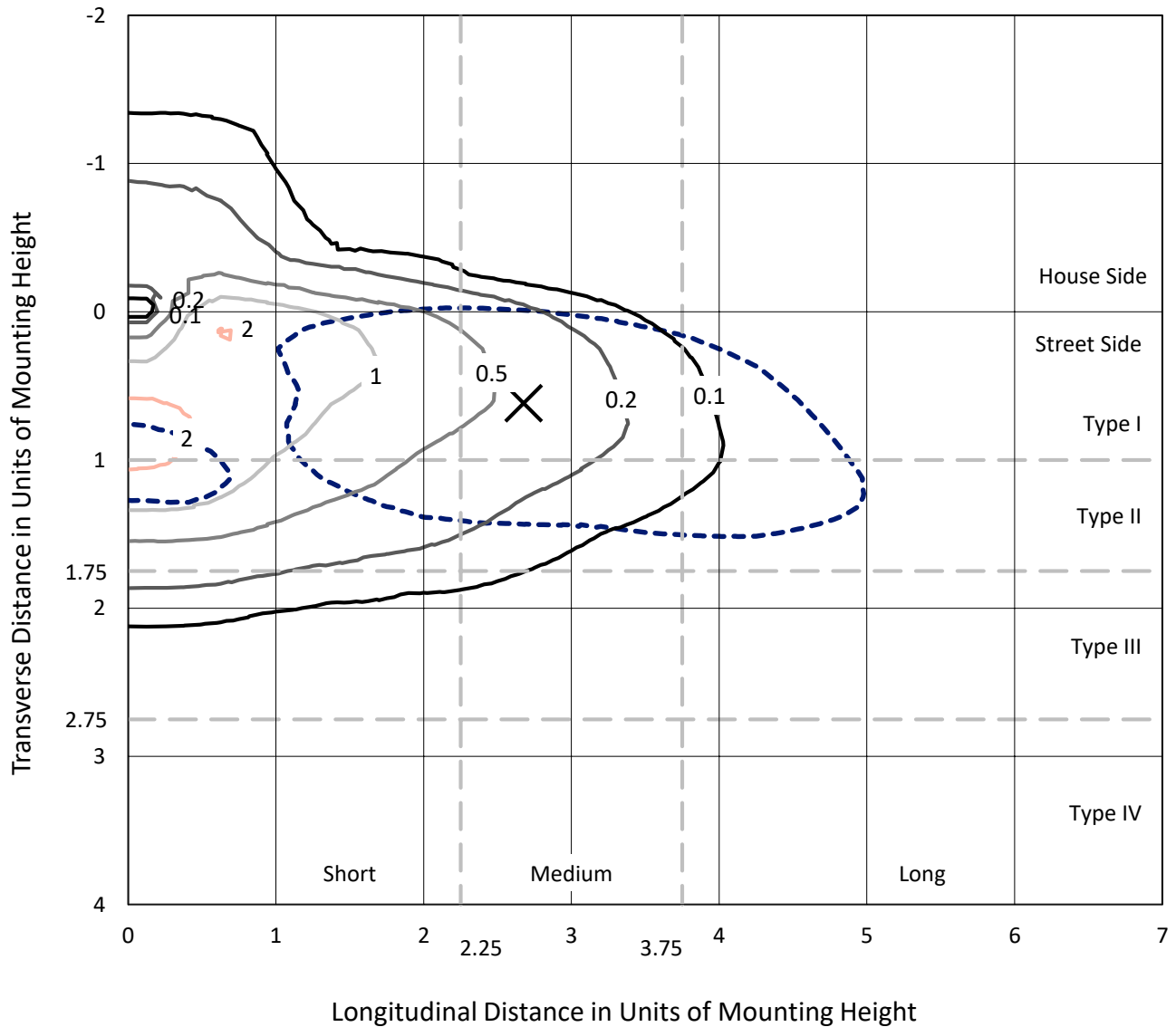


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

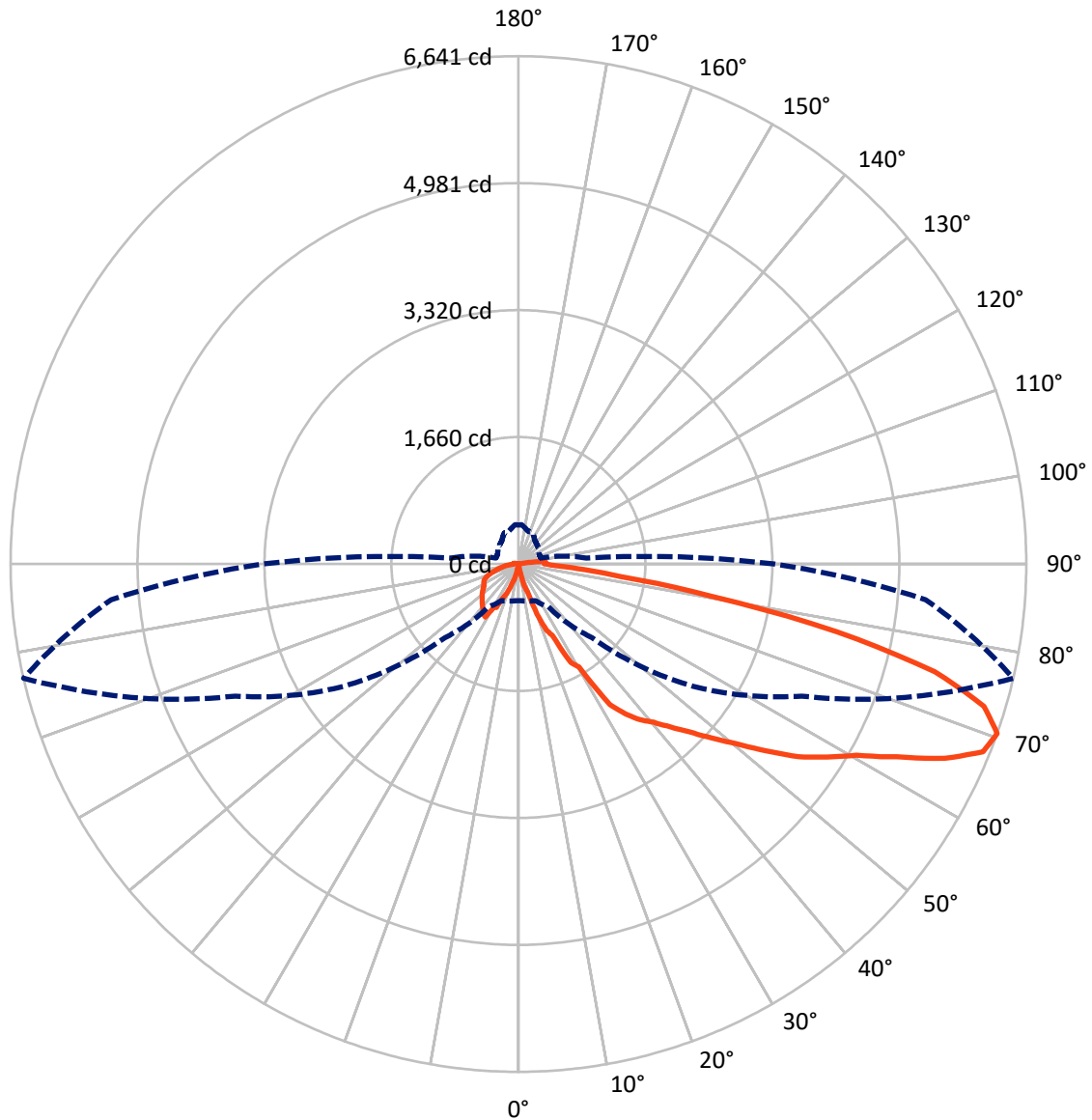


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1283.1	56.3	1339.3
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6176.6	70.1	6246.7
	% Fixture	81.4	0.9	82.3
Total	Lumens	7459.7	126.4	7586.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	90.3	1.2
20°-30°	357.5	4.7
30°-40°	863.4	11.4
40°-50°	1396.4	18.4
50°-60°	1670.2	22.0
60°-70°	1633.3	21.5
70°-80°	1129.1	14.9
80°-90°	313.3	4.1
90°-100°	82.4	1.1
100°-110°	16.9	0.2
110°-120°	9.0	0.1
120°-130°	7.2	0.1
130°-140°	4.9	0.1
140°-150°	4.1	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7459.7	98.3
0°-180°	7586.0	100.0

Coefficient of Utilization



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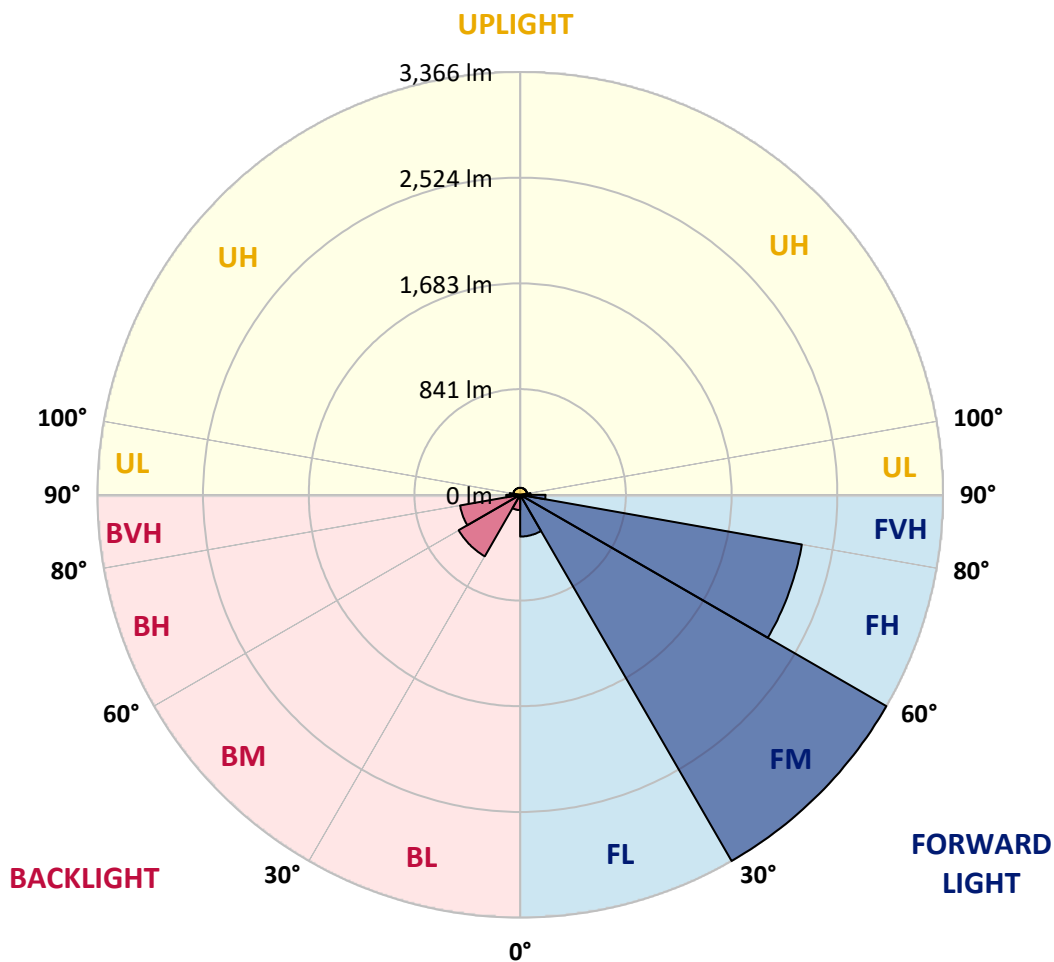
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.4	4.4			
FM (30°-60°)	3365.7	44.4			
FH (60°-80°)	2276.7	30.0			G2/5000
FVH (80°-90°)	201.9	2.7			G2/225
BL (0°-30°)	121.5	1.6	B1/500		
BM (30°-60°)	564.4	7.4	B1/1000		
BH (60°-80°)	485.7	6.4	B1/500		G1/500
BVH (80°-90°)	111.5	1.5			G2/225
UL (90°-100°)	82.4	1.1		U3/500	
UH (100°-180°)	56.3	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	9.4	8.6	8.6	9.4	11.1	10.3	7.7	6.0	5.1	5.1	5.1
5°	185.9	179.9	175.6	124.2	27.4	16.3	10.3	7.7	6.0	6.0	5.1
7.5°	221.9	218.5	216.8	210.8	203.9	190.2	34.3	11.1	6.9	6.9	6.0
10°	251.0	248.5	245.0	241.6	232.2	222.8	203.9	28.3	11.1	11.1	9.4
12.5°	511.5	503.8	496.9	353.0	262.2	251.9	233.9	160.2	121.7	117.4	141.4
15°	525.2	525.2	525.2	529.5	521.8	281.0	383.0	479.8	317.0	306.7	317.0
17.5°	559.5	554.3	545.8	548.3	558.6	620.3	571.5	533.8	422.4	375.3	365.0
20°	837.1	832.8	835.3	774.5	595.5	781.4	776.2	601.5	686.3	695.7	677.7
22.5°	893.6	892.8	890.2	886.8	1017.8	829.4	892.8	945.9	958.7	939.9	779.7
25°	1268.0	1258.6	1144.6	964.7	1090.7	998.1	1190.9	1048.7	1067.5	1034.1	987.9
27.5°	1448.8	1429.1	1409.4	1355.4	1171.2	1334.0	1267.2	1382.8	1549.9	1460.8	1256.9
30°	1911.5	1922.6	1603.9	1585.9	1448.8	1414.5	1551.6	1625.3	1627.0	1561.9	1411.1
32.5°	2353.5	2323.6	2249.0	1928.6	1725.5	1584.2	1799.2	1730.7	2129.1	2190.8	1913.2
35°	2787.1	2728.8	2510.3	2292.7	2013.4	1952.6	1927.7	2166.8	2317.6	2405.8	2070.0
37.5°	3404.8	3362.8	3153.8	2584.9	2321.0	2101.7	2260.2	2306.4	2546.3	2584.0	2284.1
40°	3631.8	3603.6	3429.6	2983.3	2561.7	2345.8	2409.2	2474.3	2773.4	2721.1	2445.2
42.5°	3794.6	3784.3	3645.6	3191.5	2875.3	2588.3	2581.4	2614.9	3006.4	2910.4	2606.3
45°	3919.7	3905.2	3822.9	3325.1	3023.5	2738.2	2767.4	2787.9	3211.2	3127.2	2790.5
47.5°	3895.7	3901.7	3912.9	3491.3	3111.8	2884.7	2957.6	2937.0	3378.2	3397.9	2997.0
50°	3711.5	3723.5	3805.8	3558.2	3162.3	3004.7	3122.1	3103.2	3611.3	3693.5	3235.2
52.5°	3164.0	3183.8	3488.8	3454.5	3206.9	3098.9	3290.8	3295.1	3883.7	4058.5	3539.3
55°	2316.7	2391.2	2762.2	3110.9	3158.0	3128.9	3403.9	3538.5	4197.3	4449.2	3810.9
57.5°	1863.5	1848.0	2104.2	2612.3	2916.4	3092.1	3523.0	3755.2	4483.5	4762.8	4082.5
60°	1446.2	1451.4	1640.7	2004.8	2493.2	3001.3	3644.7	3950.6	4835.6	5078.1	4414.9
62.5°	1077.0	1087.2	1224.3	1441.9	2010.0	2747.7	3682.4	4194.7	5324.8	5554.4	4816.8
65°	782.2	799.4	873.9	1007.6	1452.2	2367.3	3567.6	4377.2	5867.2	6128.5	5246.0
67.5°	587.7	597.2	640.9	722.3	1037.5	1878.9	3284.0	4366.1	6139.6	6550.9	5430.2
70°	478.1	482.4	498.6	527.8	681.1	1362.3	2786.2	4085.1	6197.9	6640.8	5344.5
72.5°	406.1	404.4	405.3	409.5	470.4	931.3	2152.2	3559.0	5975.1	6367.5	4958.1
75°	347.0	344.4	344.4	340.1	363.3	653.7	1482.2	2872.7	5383.1	5626.4	4176.7
77.5°	295.6	291.3	290.4	281.9	292.2	486.6	981.9	2139.4	4259.0	4263.3	2961.0
80°	251.9	244.2	240.8	234.8	246.7	371.0	640.9	1395.7	2605.4	2563.5	1643.3
82.5°	185.9	185.9	191.1	192.8	212.5	275.0	452.4	830.2	1422.2	1346.0	952.7
85°	107.1	116.5	137.9	140.5	162.8	182.5	340.1	491.8	795.9	767.7	488.4
87.5°	39.4	37.7	57.4	60.8	68.5	68.5	185.1	269.9	417.2	434.4	384.7
90°	32.6	32.6	22.3	20.6	26.6	44.6	125.1	189.3	313.6	336.7	363.3
92.5°	34.3	34.3	22.3	19.7	24.8	39.4	105.4	179.1	329.0	360.7	375.3
95°	32.6	33.4	19.7	18.0	23.1	33.4	78.8	153.4	316.1	346.1	366.7
97.5°	28.3	29.1	16.3	15.4	20.6	24.0	42.8	76.3	157.6	163.6	169.6
100°	23.1	23.1	12.0	12.9	16.3	16.3	22.3	40.3	38.6	31.7	27.4
102.5°	19.7	21.4	11.1	10.3	12.0	10.3	10.3	15.4	23.1	19.7	26.6
105°	16.3	18.0	9.4	8.6	9.4	8.6	6.9	11.1	17.1	19.7	28.3
107.5°	11.1	12.0	6.9	7.7	7.7	7.7	5.1	8.6	16.3	18.8	29.1
110°	7.7	7.7	5.1	6.9	6.9	7.7	5.1	8.6	12.9	14.6	23.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.1	5.1	4.3	5.1	6.0	6.0	5.1	7.7	11.1	12.0	16.3
115°	4.3	4.3	3.4	4.3	5.1	5.1	4.3	6.9	11.1	12.9	17.1
117.5°	5.1	4.3	3.4	4.3	5.1	4.3	4.3	6.0	11.1	12.9	17.1
120°	5.1	5.1	4.3	4.3	4.3	4.3	4.3	6.0	11.1	12.9	17.1
122.5°	6.0	5.1	4.3	4.3	4.3	4.3	4.3	5.1	10.3	12.0	16.3
125°	6.0	6.0	4.3	4.3	5.1	4.3	4.3	5.1	10.3	11.1	15.4
127.5°	6.9	6.0	5.1	4.3	5.1	4.3	4.3	5.1	9.4	10.3	13.7
130°	6.9	6.9	5.1	4.3	5.1	4.3	4.3	4.3	7.7	8.6	12.0
132.5°	6.9	6.9	6.0	5.1	6.0	5.1	4.3	4.3	6.0	6.9	9.4
135°	7.7	6.9	6.9	6.0	6.9	6.0	4.3	4.3	4.3	5.1	6.9
137.5°	7.7	7.7	7.7	6.9	7.7	6.0	4.3	4.3	4.3	4.3	5.1
140°	9.4	9.4	8.6	7.7	8.6	6.9	5.1	4.3	4.3	4.3	5.1
142.5°	11.1	11.1	10.3	9.4	8.6	6.9	6.0	5.1	5.1	5.1	5.1
145°	12.9	12.0	12.0	10.3	8.6	6.9	6.0	6.0	6.0	6.0	6.0
147.5°	12.9	12.9	12.0	9.4	7.7	5.1	5.1	6.9	6.9	6.9	6.9
150°	12.0	12.0	10.3	8.6	6.0	4.3	4.3	6.0	6.9	6.9	6.9
152.5°	9.4	8.6	7.7	5.1	4.3	2.6	3.4	4.3	5.1	5.1	6.0
155°	6.0	5.1	4.3	3.4	3.4	2.6	2.6	3.4	3.4	3.4	4.3
157.5°	2.6	2.6	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
160°	0.9	0.9	0.9	0.9	2.6	2.6	2.6	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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	5.1	5.1	5.1	5.1	5.1	4.3	5.1	6.0	6.9	6.9	6.9
5°	5.1	5.1	5.1	6.0	6.0	5.1	6.0	7.7	8.6	8.6	8.6
7.5°	6.0	5.1	6.0	6.9	6.9	6.9	30.0	86.5	96.0	97.7	99.4
10°	8.6	8.6	8.6	9.4	10.3	90.0	106.2	111.4	114.8	117.4	118.2
12.5°	130.2	114.0	71.1	18.8	90.8	111.4	117.4	125.9	130.2	135.4	133.7
15°	292.2	258.7	194.5	166.2	162.8	124.2	130.2	216.8	240.8	245.0	244.2
17.5°	330.7	284.4	216.8	231.3	240.8	186.8	219.3	242.5	246.7	251.0	250.2
20°	615.2	490.1	293.9	254.5	251.9	315.3	233.9	241.6	250.2	294.7	299.9
22.5°	682.8	563.8	384.7	372.7	304.2	320.4	305.0	309.3	335.9	335.9	334.1
25°	855.1	682.0	434.4	380.4	386.4	318.7	358.1	309.3	314.4	314.4	315.3
27.5°	1112.1	876.5	576.6	424.1	382.1	385.5	340.1	313.6	359.0	364.1	366.7
30°	1190.1	909.9	570.6	473.8	399.3	374.4	317.9	351.3	338.4	338.4	335.9
32.5°	1663.0	1241.5	710.3	463.5	409.5	347.8	352.1	330.7	324.7	351.3	351.3
35°	1756.4	1278.3	685.4	521.8	393.3	362.4	335.0	340.1	329.0	327.3	324.7
37.5°	1863.5	1304.0	629.7	490.1	415.5	347.8	346.1	333.3	318.7	339.3	342.7
40°	1965.4	1328.8	585.2	452.4	383.8	346.1	339.3	332.4	301.6	301.6	300.7
42.5°	2080.2	1345.1	544.9	422.4	353.0	347.0	328.1	306.7	286.2	292.2	290.4
45°	2199.3	1355.4	503.8	389.0	325.6	359.0	329.0	319.6	303.3	305.9	303.3
47.5°	2345.8	1372.5	467.8	356.4	308.4	329.0	311.0	306.7	316.1	307.6	312.7
50°	2501.8	1382.0	434.4	328.1	291.3	319.6	322.1	309.3	316.1	301.6	300.7
52.5°	2688.5	1390.5	398.4	309.3	288.7	317.9	337.6	323.9	311.9	293.0	291.3
55°	2853.0	1363.1	367.6	297.3	305.9	314.4	350.4	334.1	309.3	287.9	288.7
57.5°	3032.1	1328.0	342.7	292.2	302.4	308.4	368.4	348.7	320.4	321.3	322.1
60°	3217.2	1294.6	327.3	291.3	298.2	311.0	371.0	368.4	335.0	342.7	348.7
62.5°	3438.2	1268.0	324.7	297.3	313.6	324.7	373.6	400.1	371.0	374.4	376.1
65°	3611.3	1190.9	322.1	300.7	319.6	327.3	374.4	422.4	409.5	429.2	427.5
67.5°	3558.2	1048.7	317.9	304.2	323.9	341.0	373.6	438.7	437.0	482.4	478.1
70°	3341.4	891.0	304.2	299.9	325.6	347.8	374.4	442.9	450.7	514.9	510.6
72.5°	2976.4	718.8	279.3	287.9	326.4	356.4	385.5	443.8	452.4	543.2	530.3
75°	2490.6	580.9	242.5	260.5	336.7	361.6	388.1	435.2	435.2	520.9	504.6
77.5°	1792.4	447.2	209.1	236.5	333.3	358.1	380.4	415.5	409.5	450.7	435.2
80°	1044.4	329.9	178.2	232.2	312.7	351.3	359.0	366.7	338.4	347.8	338.4
82.5°	627.2	244.2	154.2	208.2	275.0	316.1	322.1	309.3	271.6	270.7	257.9
85°	376.1	167.1	113.1	161.1	216.8	263.9	270.7	234.8	199.6	220.2	197.1
87.5°	277.6	105.4	78.0	100.2	131.9	123.4	161.1	151.6	129.4	124.2	122.5
90°	250.2	80.5	64.3	81.4	89.1	76.3	82.2	82.2	66.8	66.0	62.5
92.5°	247.6	75.4	68.5	79.7	72.0	60.8	66.8	66.0	53.1	50.5	48.0
95°	231.3	67.7	68.5	72.0	63.4	49.7	54.0	50.5	37.7	35.1	32.6
97.5°	108.8	47.1	65.1	62.5	52.3	38.6	44.6	38.6	26.6	23.1	23.1
100°	25.7	40.3	55.7	56.5	42.0	29.1	30.8	24.8	17.1	14.6	14.6
102.5°	25.7	18.0	34.3	44.6	25.7	12.0	17.1	16.3	12.9	12.9	13.7
105°	25.7	17.1	17.1	29.1	15.4	7.7	7.7	10.3	11.1	14.6	16.3
107.5°	26.6	18.0	13.7	13.7	11.1	7.7	6.9	7.7	11.1	17.1	18.0
110°	22.3	16.3	12.9	12.0	11.1	7.7	6.0	7.7	11.1	18.8	20.6



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CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	14.6	11.1	11.1	9.4	7.7	6.0	6.9	12.0	20.6	22.3
115°	16.3	13.7	10.3	9.4	7.7	6.9	6.0	6.9	12.9	22.3	24.0
117.5°	17.1	13.7	9.4	8.6	6.9	5.1	5.1	6.9	12.9	23.1	24.8
120°	17.1	13.7	9.4	8.6	6.9	5.1	5.1	7.7	13.7	22.3	24.0
122.5°	16.3	13.7	9.4	8.6	6.9	4.3	5.1	6.9	12.9	21.4	23.1
125°	14.6	12.9	9.4	7.7	6.9	4.3	5.1	6.9	12.9	20.6	21.4
127.5°	13.7	12.0	8.6	7.7	6.0	4.3	5.1	6.9	12.0	18.8	19.7
130°	12.0	11.1	7.7	6.9	6.0	4.3	5.1	6.9	12.0	17.1	18.0
132.5°	9.4	8.6	6.9	6.0	6.0	4.3	5.1	6.0	9.4	14.6	15.4
135°	6.9	6.9	6.0	6.0	6.0	4.3	5.1	5.1	7.7	11.1	12.0
137.5°	5.1	5.1	5.1	6.0	5.1	4.3	4.3	5.1	6.9	8.6	9.4
140°	5.1	5.1	5.1	6.0	5.1	4.3	4.3	5.1	6.0	6.9	7.7
142.5°	5.1	5.1	5.1	6.0	5.1	3.4	4.3	5.1	6.0	6.9	6.9
145°	6.0	6.0	6.0	6.0	5.1	3.4	3.4	5.1	6.0	6.9	6.9
147.5°	6.9	6.9	6.0	6.0	5.1	2.6	2.6	5.1	6.0	6.9	6.9
150°	6.9	6.9	6.0	6.0	4.3	2.6	2.6	4.3	6.0	6.0	6.0
152.5°	5.1	5.1	5.1	5.1	4.3	1.7	1.7	3.4	5.1	5.1	5.1
155°	4.3	4.3	4.3	4.3	3.4	1.7	0.9	2.6	4.3	4.3	4.3
157.5°	2.6	3.4	3.4	4.3	3.4	1.7	0.9	1.7	3.4	3.4	3.4
160°	1.7	2.6	2.6	3.4	3.4	1.7	0.9	1.7	2.6	2.6	2.6
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)