

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: P417391

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417391
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-PA1-90-830-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7402 lumens
Efficiency: N/A
Efficacy: 78.7 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 - 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

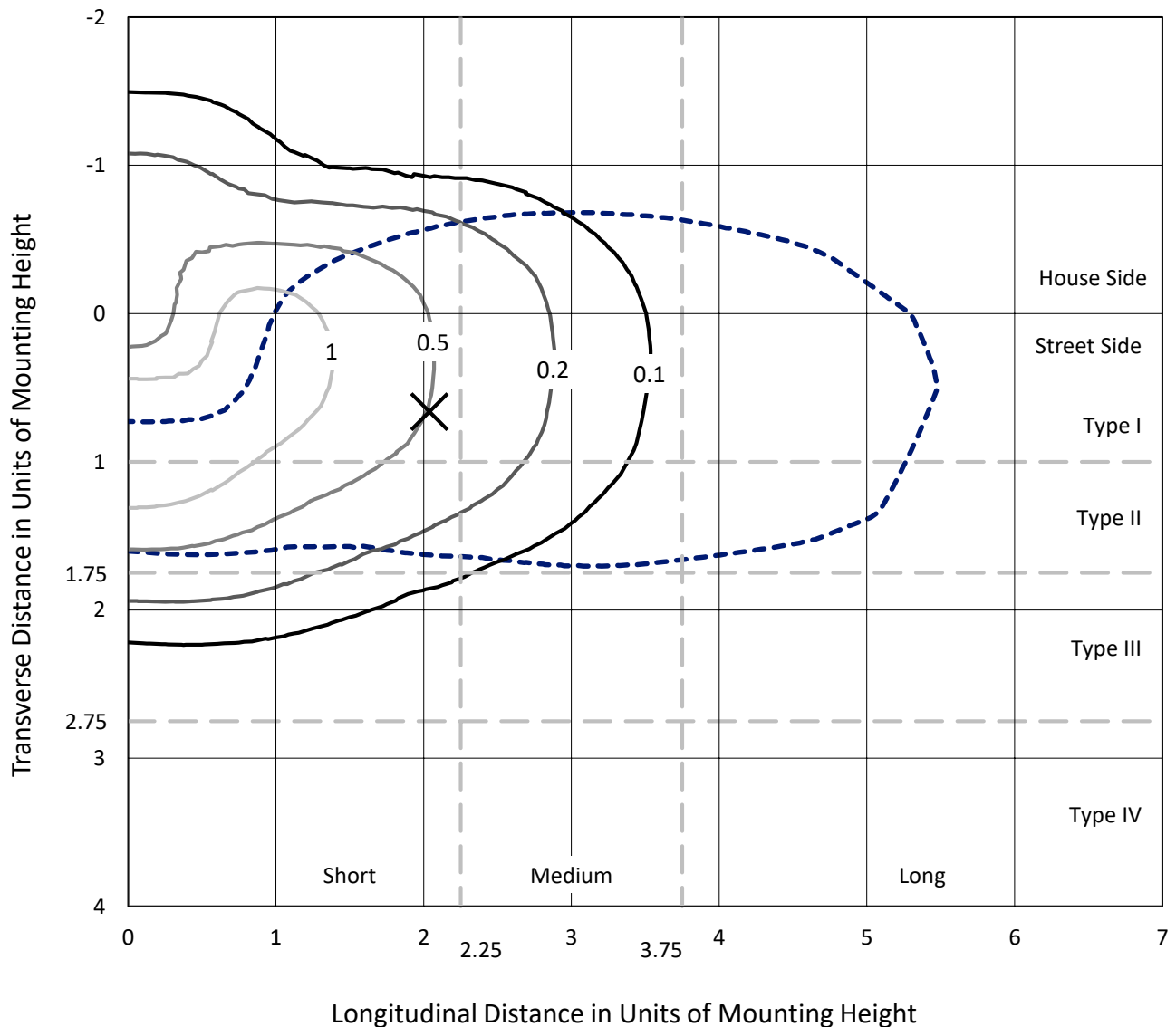


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

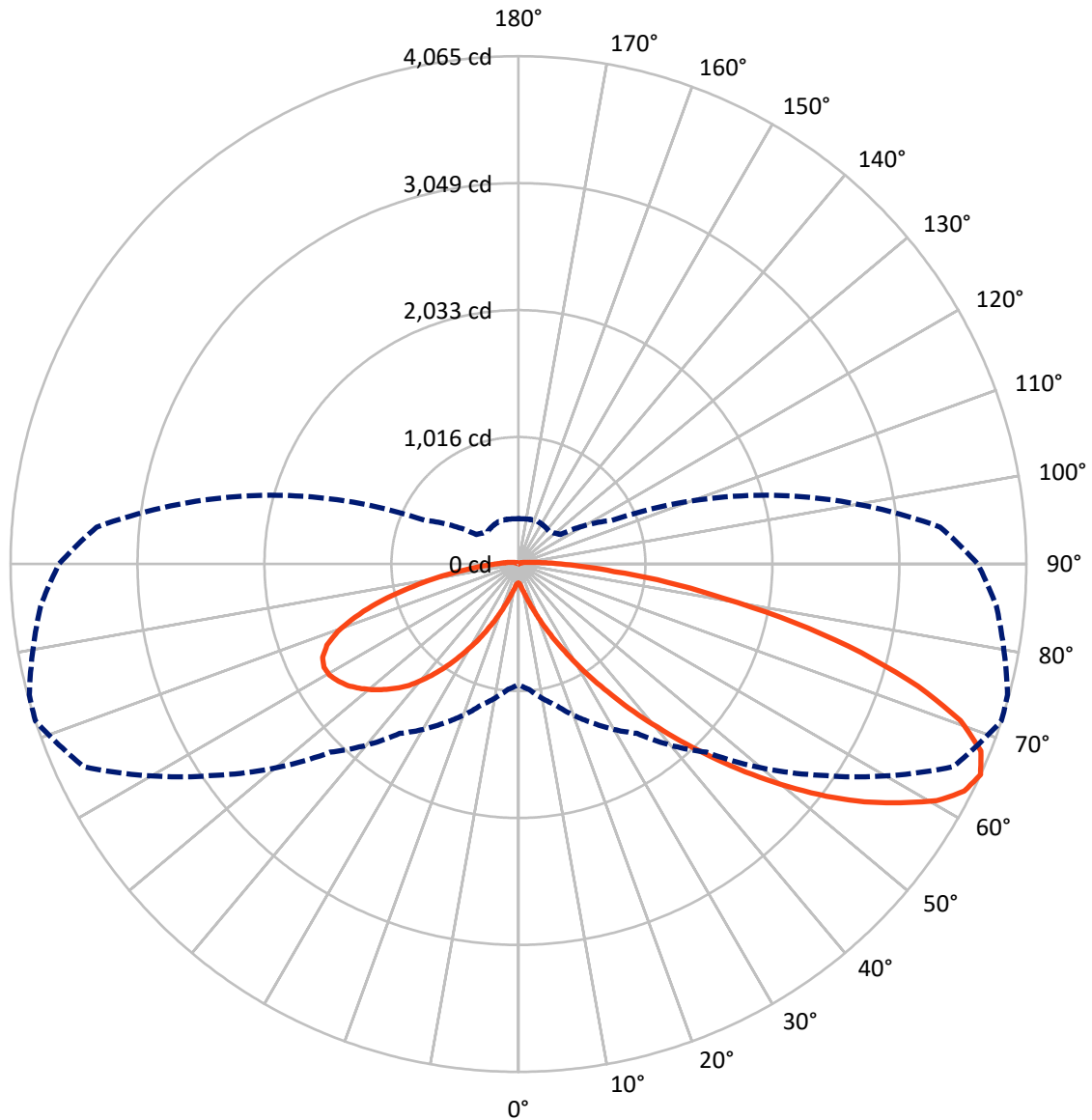


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

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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	2086.9	105.0	2192.0
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5107.7	102.4	5210.0
	% Fixture	69.0	1.4	70.4
Total	Lumens	7194.6	207.4	7402.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.2
10°-20°	89.5	1.2
20°-30°	283.6	3.8
30°-40°	679.7	9.2
40°-50°	1254.9	17.0
50°-60°	1710.0	23.1
60°-70°	1667.2	22.5
70°-80°	1088.8	14.7
80°-90°	403.3	5.4
90°-100°	112.1	1.5
100°-110°	47.0	0.6
110°-120°	23.6	0.3
120°-130°	13.4	0.2
130°-140°	7.5	0.1
140°-150°	3.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7194.6	97.2
0°-180°	7402.0	100.0



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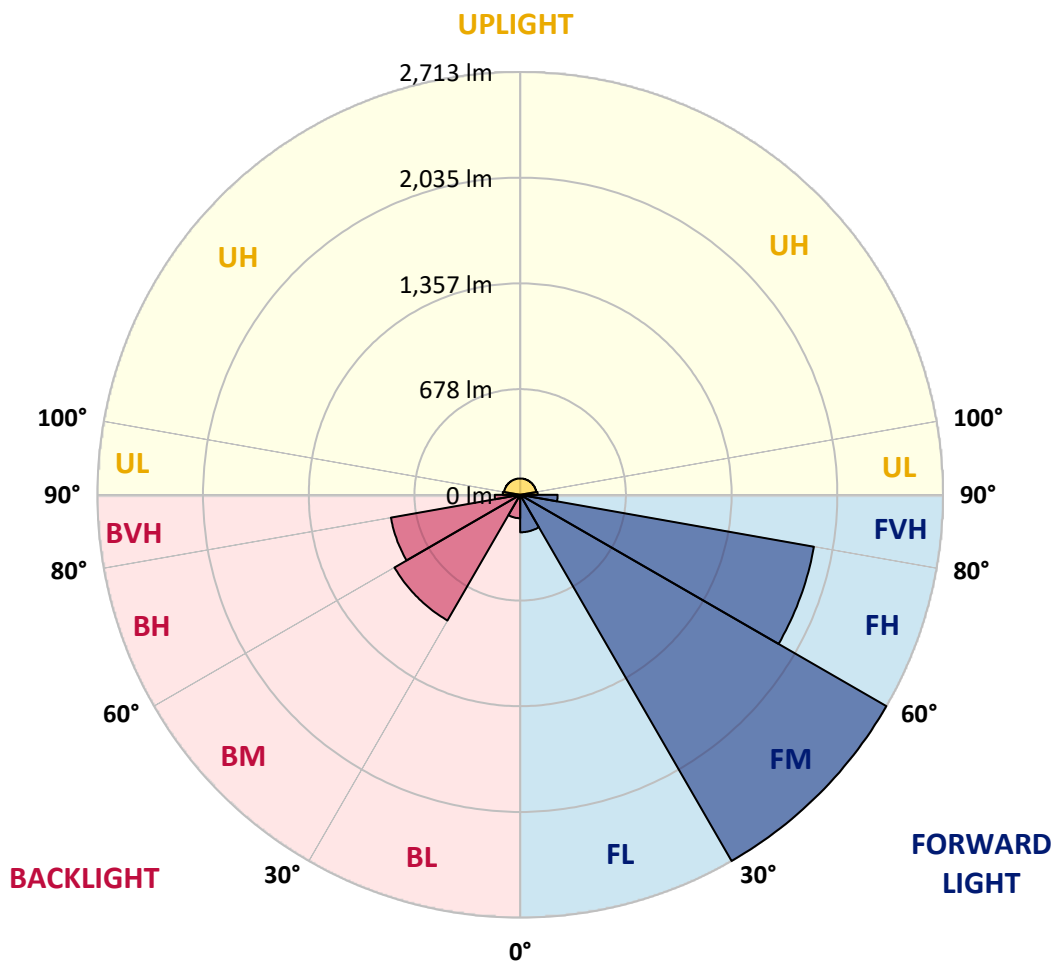
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.5	3.2			
FM	(30°-60°)	2713.1	36.7			
FH	(60°-80°)	1913.9	25.9			G2/5000
FVH	(80°-90°)	240.1	3.2			G3/500
BL	(0°-30°)	150.3	2.0	B1/500		
BM	(30°-60°)	931.4	12.6	B1/1000		
BH	(60°-80°)	842.0	11.4	B2/1000		G2/1000
BVH	(80°-90°)	163.2	2.2			G2/225
UL	(90°-100°)	112.1	1.5		U3/500	
UH	(100°-180°)	105.0	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	170.5	169.6	167.9	167.1	167.1	165.3	163.6	161.1	159.3	158.5	156.8
5°	192.8	191.0	189.3	187.6	185.9	183.3	179.1	176.5	173.1	172.2	168.8
7.5°	224.5	222.7	217.6	215.9	213.3	209.9	204.8	199.6	196.2	193.6	188.5
10°	266.4	264.7	261.3	257.0	251.9	245.0	236.5	231.3	222.7	224.5	216.7
12.5°	323.8	319.6	315.3	308.4	298.1	290.4	278.4	273.3	263.9	263.9	254.4
15°	393.2	392.4	383.8	369.2	359.8	343.5	333.3	322.1	316.1	316.1	308.4
17.5°	483.2	477.2	470.3	450.6	429.2	409.5	395.8	388.1	381.2	379.5	369.2
20°	594.6	586.0	575.7	540.6	514.9	490.9	471.2	465.2	460.1	459.2	450.6
22.5°	735.9	717.9	699.1	664.8	623.7	581.7	568.0	554.3	555.1	556.9	537.2
25°	892.7	887.6	854.1	805.3	751.3	705.1	667.4	662.2	667.4	664.0	656.2
27.5°	1094.0	1076.9	1034.9	972.4	886.7	832.7	792.5	789.0	789.9	794.2	781.3
30°	1328.8	1320.2	1267.1	1162.6	1052.0	980.1	936.4	930.4	940.7	941.5	921.8
32.5°	1605.5	1588.3	1507.0	1390.4	1239.7	1148.0	1098.3	1096.6	1107.7	1110.3	1094.9
35°	1885.6	1877.1	1796.5	1629.5	1464.1	1325.3	1274.8	1278.2	1285.9	1301.3	1283.4
37.5°	2208.6	2185.5	2081.8	1905.3	1696.3	1530.1	1476.1	1488.1	1500.1	1500.1	1475.3
40°	2513.6	2505.0	2396.2	2174.3	1924.2	1770.0	1710.9	1717.7	1716.9	1717.7	1685.2
42.5°	2796.3	2767.2	2671.2	2435.6	2177.8	2021.0	1949.9	1961.0	1971.3	1979.0	1896.8
45°	2987.4	2962.5	2877.7	2645.5	2417.6	2269.4	2223.2	2223.2	2235.2	2231.7	2150.3
47.5°	3055.0	3051.6	2988.2	2811.7	2602.7	2487.9	2490.5	2499.9	2517.9	2501.6	2385.1
50°	3023.3	3009.6	2998.5	2900.0	2756.0	2701.2	2752.6	2800.6	2802.3	2773.2	2625.0
52.5°	2824.6	2826.3	2882.8	2864.8	2798.9	2854.6	3011.3	3096.2	3088.4	3060.2	2882.0
55°	2522.2	2535.9	2634.4	2709.8	2750.0	2904.3	3203.2	3378.9	3361.7	3322.3	3141.6
57.5°	2119.5	2164.1	2296.0	2460.5	2604.4	2858.0	3307.8	3623.9	3605.9	3605.9	3400.3
60°	1691.2	1727.1	1921.6	2122.1	2349.1	2702.1	3318.0	3803.8	3847.5	3820.1	3583.6
62.5°	1311.6	1327.0	1528.4	1781.1	2024.4	2439.9	3199.8	3889.5	4005.1	3982.0	3748.1
65°	965.5	1009.2	1172.0	1403.3	1655.2	2130.6	2947.1	3838.9	4065.1	4053.1	3838.9
67.5°	717.9	737.6	873.8	1088.0	1337.3	1746.0	2578.7	3617.9	3993.1	4003.4	3825.2
70°	538.0	543.2	649.4	825.9	1038.3	1377.6	2149.5	3264.9	3754.1	3800.4	3702.7
72.5°	406.9	416.4	504.6	643.4	801.0	1060.6	1698.9	2785.2	3346.3	3461.1	3424.3
75°	318.7	329.8	390.7	497.8	619.4	802.7	1285.9	2218.0	2834.9	2983.1	3024.2
77.5°	251.9	263.9	315.3	397.5	483.2	619.4	945.0	1659.5	2264.3	2412.5	2532.4
80°	197.9	206.5	251.9	312.7	380.4	457.5	662.2	1206.3	1662.9	1847.9	1957.6
82.5°	150.8	160.2	195.3	246.7	298.1	349.5	472.9	820.7	1206.3	1290.2	1477.0
85°	109.7	118.2	147.4	189.3	229.6	270.7	346.1	547.4	768.5	868.7	962.9
87.5°	80.5	84.0	109.7	140.5	176.5	204.8	249.3	349.5	488.3	538.0	616.8
90°	56.5	60.0	80.5	103.7	133.6	160.2	183.3	231.3	304.1	348.7	363.2
92.5°	42.0	44.5	60.0	78.0	102.8	124.2	138.8	163.6	197.9	216.7	228.7
95°	31.7	34.3	47.1	61.7	79.7	97.7	108.8	118.2	137.9	143.1	153.4
97.5°	25.7	27.4	38.6	50.5	64.3	80.5	86.5	91.7	98.5	103.7	107.9
100°	22.3	23.1	32.6	42.8	54.8	65.1	70.3	72.8	77.1	78.8	80.5
102.5°	19.7	19.7	28.3	36.8	47.1	54.8	59.1	59.1	60.0	60.8	60.0
105°	17.1	18.0	24.8	32.6	40.3	47.1	50.5	48.8	48.0	47.1	44.5
107.5°	16.3	16.3	22.3	29.1	36.0	41.1	43.7	40.3	38.6	36.8	34.3
110°	14.6	15.4	19.7	25.7	31.7	36.0	37.7	34.3	30.8	29.1	26.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.7	14.6	18.0	23.1	28.3	32.6	32.6	29.1	24.8	23.1	21.4
115°	13.7	13.7	16.3	20.6	25.7	29.1	29.1	24.8	20.6	18.8	18.0
117.5°	13.7	13.7	15.4	18.8	23.1	25.7	25.7	21.4	17.1	15.4	15.4
120°	12.9	12.9	14.6	17.1	21.4	23.1	22.3	18.8	14.6	13.7	13.7
122.5°	12.9	12.9	13.7	16.3	19.7	21.4	20.6	16.3	12.9	11.1	12.0
125°	13.7	12.9	13.7	15.4	18.0	18.8	18.0	13.7	11.1	10.3	11.1
127.5°	13.7	13.7	12.9	14.6	16.3	17.1	16.3	12.0	9.4	9.4	10.3
130°	13.7	13.7	12.9	13.7	14.6	15.4	13.7	10.3	8.6	8.6	9.4
132.5°	13.7	13.7	12.9	12.9	13.7	13.7	12.0	8.6	7.7	7.7	8.6
135°	13.7	13.7	12.0	12.0	12.0	12.0	10.3	7.7	6.9	6.9	7.7
137.5°	12.9	12.9	12.0	11.1	11.1	10.3	8.6	6.0	5.1	6.0	6.9
140°	12.0	12.0	11.1	9.4	9.4	8.6	6.9	5.1	4.3	5.1	5.1
142.5°	11.1	11.1	10.3	8.6	7.7	6.9	6.0	3.4	3.4	3.4	4.3
145°	10.3	10.3	9.4	6.9	6.0	5.1	4.3	2.6	2.6	2.6	3.4
147.5°	8.6	8.6	7.7	6.0	4.3	4.3	2.6	1.7	2.6	2.6	2.6
150°	6.9	6.9	6.0	4.3	3.4	2.6	0.9	1.7	1.7	1.7	2.6
152.5°	6.0	6.0	4.3	3.4	1.7	0.9	0.9	0.9	1.7	1.7	1.7
155°	4.3	4.3	3.4	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	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°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	155.1	155.1	154.2	153.4	152.5	151.6	149.9	149.1	149.1	148.2	148.2
5°	167.1	166.2	163.6	161.1	157.6	155.9	153.4	151.6	150.8	149.9	149.9
7.5°	185.9	184.2	179.1	174.8	170.5	167.1	162.8	160.2	159.3	156.8	157.6
10°	212.5	209.9	203.9	196.2	188.5	183.3	177.3	173.9	172.2	170.5	168.8
12.5°	251.0	245.9	235.6	225.3	214.2	203.9	197.9	195.3	197.0	196.2	197.0
15°	304.1	294.7	279.3	263.9	244.2	231.3	229.6	228.7	228.7	229.6	231.3
17.5°	364.1	353.8	334.1	305.8	282.7	269.9	262.2	261.3	265.6	266.4	265.6
20°	442.9	432.6	401.8	363.2	329.8	309.3	299.0	299.0	305.0	306.7	310.1
22.5°	527.7	521.7	479.8	426.6	382.1	348.7	334.1	335.8	344.4	347.0	348.7
25°	646.0	622.0	570.6	497.8	433.5	388.9	369.2	370.1	379.5	386.4	388.9
27.5°	776.2	748.8	673.4	578.3	484.9	422.4	400.1	400.9	412.1	420.6	422.4
30°	915.8	888.4	789.9	658.0	532.9	452.3	422.4	423.2	436.1	445.5	447.2
32.5°	1064.9	1042.6	904.7	743.6	574.9	472.9	436.9	437.8	448.9	457.5	459.2
35°	1253.4	1202.8	1040.9	819.9	610.0	485.8	443.8	442.9	454.1	462.6	464.3
37.5°	1439.3	1385.3	1170.3	891.0	630.5	489.2	442.1	442.1	450.6	457.5	458.3
40°	1641.5	1551.5	1306.5	946.7	638.3	484.0	436.9	436.1	442.9	446.3	447.2
42.5°	1859.1	1748.6	1440.1	991.2	634.8	472.9	427.5	428.4	430.9	430.9	430.1
45°	2055.3	1943.0	1554.9	1020.3	622.8	458.3	416.4	417.2	418.1	411.2	411.2
47.5°	2285.7	2149.5	1662.9	1027.2	598.8	443.8	407.8	409.5	405.2	395.8	394.1
50°	2504.2	2352.5	1771.7	1024.6	574.0	428.4	399.2	400.9	393.2	380.4	377.8
52.5°	2747.5	2553.0	1874.5	1011.8	544.0	414.6	393.2	394.9	386.4	371.0	368.4
55°	2987.4	2765.5	1968.7	989.5	518.3	400.1	387.2	391.5	380.4	365.0	364.1
57.5°	3216.1	2976.2	2046.7	956.9	490.9	389.8	383.0	388.1	377.8	362.4	361.5
60°	3420.0	3155.3	2109.2	925.2	460.9	379.5	378.7	385.5	376.1	363.2	362.4
62.5°	3563.1	3316.3	2137.5	882.4	436.9	368.4	373.5	380.4	373.5	363.2	363.2
65°	3677.0	3388.3	2126.4	825.9	411.2	356.4	366.7	373.5	369.2	362.4	363.2
67.5°	3655.6	3386.6	2053.5	758.2	387.2	343.5	354.7	364.1	360.7	358.1	357.2
70°	3523.7	3226.4	1913.9	684.5	362.4	327.3	340.1	349.5	348.7	347.8	347.8
72.5°	3252.1	2948.8	1704.9	599.7	336.7	310.1	321.3	329.8	331.5	330.7	328.1
75°	2897.4	2566.7	1462.4	520.0	310.1	289.6	301.6	306.7	309.3	307.6	307.6
77.5°	2377.4	2140.1	1162.6	439.5	281.9	266.4	275.0	279.3	282.7	278.4	275.9
80°	1889.1	1627.8	894.4	359.0	251.0	240.7	245.0	246.7	250.2	245.9	240.7
82.5°	1326.2	1160.0	648.5	293.0	220.2	211.6	214.2	213.3	215.0	209.0	202.2
85°	885.8	779.6	446.3	235.6	188.5	180.8	180.8	178.2	176.5	170.5	165.3
87.5°	556.0	493.5	306.7	185.9	158.5	152.5	149.1	143.9	142.2	137.9	131.9
90°	342.7	315.3	214.2	149.1	131.9	126.8	123.4	115.7	114.8	107.9	103.7
92.5°	224.5	205.6	158.5	120.8	110.5	105.4	101.1	94.2	93.4	88.2	85.7
95°	148.2	143.9	120.8	101.1	93.4	89.1	84.8	78.8	77.1	72.0	68.5
97.5°	108.8	108.8	99.4	85.7	79.7	75.4	72.8	67.7	64.3	59.1	57.4
100°	82.2	83.1	79.7	73.7	68.5	64.3	61.7	57.4	54.8	49.7	48.8
102.5°	63.4	65.1	66.0	62.5	59.1	55.7	53.1	49.7	46.3	41.1	40.3
105°	48.8	50.5	54.0	53.1	51.4	48.8	46.3	42.8	38.6	34.3	34.3
107.5°	37.7	39.4	44.5	45.4	44.5	42.0	40.3	36.8	33.4	29.1	29.1
110°	29.1	31.7	36.8	38.6	38.6	36.8	35.1	31.7	27.4	24.8	24.8



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CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.0	26.6	30.8	33.4	33.4	32.6	30.0	26.6	23.1	21.4	21.4
115°	19.7	22.3	26.6	29.1	29.1	28.3	26.6	23.1	19.7	18.8	18.8
117.5°	17.1	18.8	22.3	24.8	25.7	24.8	23.1	19.7	17.1	17.1	17.1
120°	15.4	17.1	19.7	21.4	22.3	21.4	19.7	17.1	14.6	15.4	15.4
122.5°	13.7	14.6	17.1	19.7	19.7	19.7	18.0	14.6	12.9	13.7	13.7
125°	12.0	13.7	15.4	17.1	18.0	17.1	15.4	12.9	11.1	12.0	12.9
127.5°	11.1	12.0	13.7	15.4	15.4	15.4	13.7	11.1	10.3	11.1	11.1
130°	10.3	11.1	12.0	13.7	13.7	13.7	12.0	9.4	9.4	10.3	10.3
132.5°	9.4	10.3	11.1	12.0	12.0	12.0	10.3	8.6	7.7	9.4	9.4
135°	8.6	8.6	9.4	10.3	10.3	10.3	8.6	6.9	6.9	8.6	8.6
137.5°	6.9	7.7	8.6	8.6	8.6	8.6	6.9	6.0	6.0	6.9	6.9
140°	6.0	6.0	6.9	6.9	6.9	6.9	6.0	4.3	5.1	6.0	6.0
142.5°	5.1	5.1	6.0	6.0	6.0	5.1	4.3	3.4	4.3	5.1	5.1
145°	3.4	4.3	4.3	4.3	4.3	3.4	2.6	2.6	3.4	4.3	4.3
147.5°	3.4	3.4	3.4	3.4	3.4	2.6	1.7	1.7	2.6	3.4	3.4
150°	2.6	2.6	3.4	3.4	2.6	1.7	0.9	0.9	1.7	2.6	2.6
152.5°	1.7	1.7	2.6	2.6	1.7	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.7	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	0.9	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)