

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: P417357

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6824 lumens
Efficiency: N/A
Efficacy: 72.6 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): 94
Input Voltage (V): NR
Input Current (A_{in}): 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

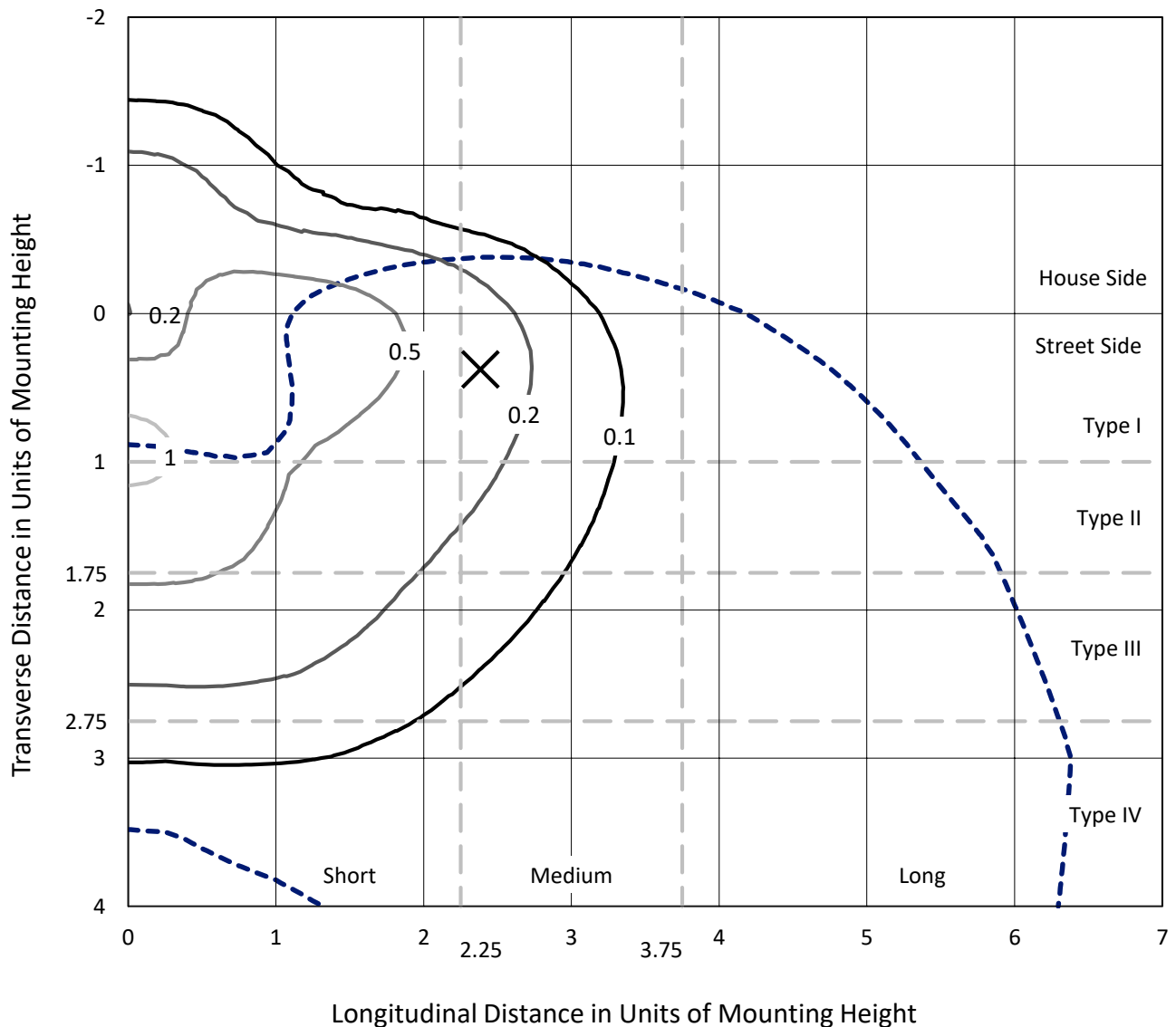


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

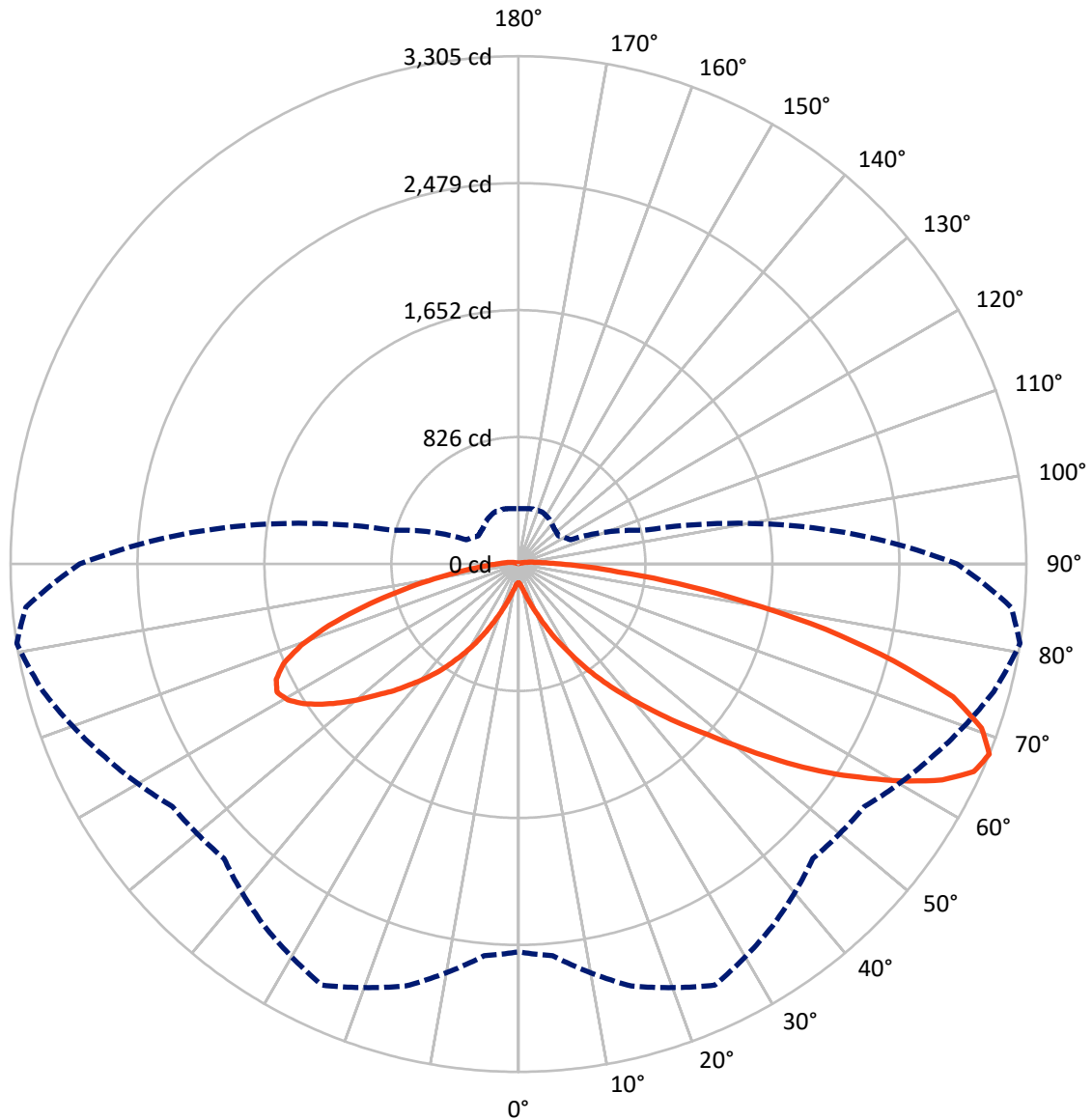


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1493.8	106.2	1600.0
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5090.4	133.6	5224.0
	% Fixture	74.6	2.0	76.6
Total	Lumens	6584.2	239.8	6824.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	70.5	1.0
20°-30°	210.1	3.1
30°-40°	456.2	6.7
40°-50°	799.9	11.7
50°-60°	1267.7	18.6
60°-70°	1710.7	25.1
70°-80°	1467.8	21.5
80°-90°	587.2	8.6
90°-100°	142.9	2.1
100°-110°	50.2	0.7
110°-120°	23.0	0.3
120°-130°	12.4	0.2
130°-140°	7.0	0.1
140°-150°	3.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6584.2	96.5
0°-180°	6824.0	100.0



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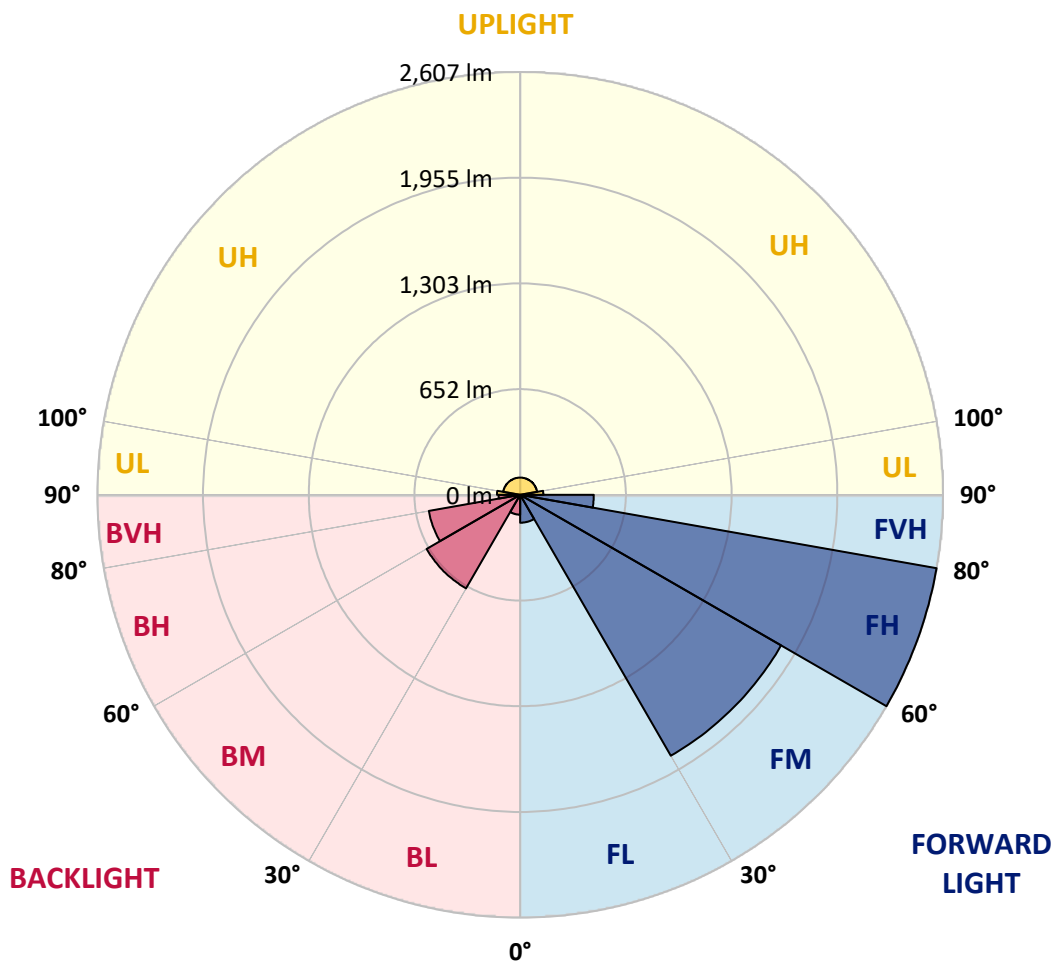
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.2	2.5			
FM	(30°-60°)	1857.4	27.2			
FH	(60°-80°)	2606.9	38.2			G2/5000
FVH	(80°-90°)	453.9	6.7			G3/500
BL	(0°-30°)	122.5	1.8	B1/500		
BM	(30°-60°)	666.4	9.8	B1/1000		
BH	(60°-80°)	571.5	8.4	B2/1000		G2/1000
BVH	(80°-90°)	133.3	2.0			G2/225
UL	(90°-100°)	142.9	2.1		U3/500	
UH	(100°-180°)	106.2	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	133.9	133.1	133.1	133.9	133.9	133.9	131.6	129.2	126.8	126.0	125.2
5°	152.2	150.6	150.6	150.6	149.8	147.4	144.2	141.1	137.9	136.3	134.7
7.5°	175.9	175.2	174.4	172.0	171.2	167.2	162.5	157.7	153.0	151.4	149.8
10°	208.4	207.6	203.7	202.9	198.9	195.0	187.8	180.7	174.4	172.0	169.6
12.5°	249.7	249.7	244.1	237.8	233.0	225.1	218.7	210.0	205.3	202.1	198.9
15°	303.5	300.4	293.2	286.1	273.4	263.9	254.4	249.7	246.5	242.5	237.8
17.5°	363.0	359.0	352.7	338.4	321.8	308.3	299.6	294.8	293.2	290.9	285.3
20°	434.3	429.6	420.8	398.6	380.4	362.2	351.9	349.5	351.1	347.1	341.6
22.5°	519.1	515.9	497.7	470.0	444.6	419.3	409.7	411.3	414.5	420.0	416.9
25°	615.8	607.9	590.4	550.8	508.8	484.2	474.7	481.9	496.1	504.1	497.7
27.5°	728.3	723.6	688.7	637.2	582.5	549.2	542.1	562.7	587.3	593.6	593.6
30°	847.2	850.4	799.7	738.7	669.7	623.7	615.0	644.3	686.3	690.3	700.6
32.5°	997.8	992.3	939.2	839.3	757.7	698.2	692.7	733.9	787.0	807.6	807.6
35°	1155.5	1150.0	1085.0	966.9	853.6	776.7	780.7	824.2	896.4	922.5	926.5
37.5°	1337.0	1318.8	1248.3	1101.6	958.2	867.8	860.7	926.5	1011.3	1048.5	1048.5
40°	1536.7	1526.4	1428.2	1254.6	1065.2	962.1	956.6	1032.7	1135.7	1176.9	1184.9
42.5°	1730.9	1717.4	1626.3	1402.8	1188.8	1062.0	1062.8	1146.0	1264.1	1321.2	1331.5
45°	1936.2	1923.5	1823.6	1585.1	1322.8	1185.6	1176.1	1280.0	1421.0	1484.4	1496.3
47.5°	2118.5	2109.8	2023.4	1766.6	1489.2	1318.0	1305.3	1425.0	1588.3	1658.8	1694.5
50°	2316.6	2305.5	2224.7	1960.0	1654.8	1459.1	1458.3	1586.7	1791.1	1876.7	1906.1
52.5°	2477.5	2464.8	2408.5	2154.1	1818.9	1623.9	1610.4	1768.2	2001.2	2124.0	2138.3
55°	2625.7	2620.9	2601.9	2362.6	2018.6	1785.6	1794.3	1981.4	2240.5	2379.2	2400.6
57.5°	2732.7	2739.0	2747.7	2571.8	2214.4	1966.3	1982.2	2195.3	2489.4	2618.6	2647.9
60°	2805.6	2827.8	2885.7	2754.1	2414.1	2163.6	2190.6	2407.0	2728.7	2866.6	2890.4
62.5°	2811.2	2834.9	2969.7	2924.5	2605.9	2365.7	2396.7	2624.9	2942.7	3095.7	3098.1
65°	2705.7	2738.2	2953.8	3016.4	2774.7	2559.1	2586.9	2819.1	3121.8	3257.4	3208.2
67.5°	2524.3	2558.3	2843.6	3024.3	2879.3	2709.7	2749.3	2969.7	3202.7	3304.9	3217.7
70°	2261.1	2294.4	2594.8	2904.7	2898.3	2798.5	2850.8	3031.5	3187.6	3197.9	3075.1
72.5°	1915.6	1912.4	2236.6	2643.1	2792.9	2791.3	2874.6	2984.7	3015.6	2957.8	2775.5
75°	1467.0	1508.2	1803.8	2265.1	2552.8	2665.3	2749.3	2791.3	2702.6	2523.5	2326.1
77.5°	1050.9	1085.0	1353.7	1785.6	2196.1	2403.8	2496.5	2476.7	2256.4	2046.3	1819.7
80°	695.9	715.7	940.0	1333.1	1770.5	2011.5	2123.2	2047.1	1767.4	1498.7	1302.9
82.5°	417.7	450.2	591.2	936.8	1313.2	1589.8	1658.0	1531.2	1261.7	1043.0	899.5
85°	252.8	260.0	367.7	599.2	917.0	1143.6	1208.6	1072.3	829.8	651.5	540.5
87.5°	141.9	154.5	227.5	389.9	616.6	794.1	817.1	706.2	520.7	404.2	338.4
90°	83.2	91.9	139.5	241.7	393.1	513.6	519.9	427.2	308.3	243.3	216.4
92.5°	53.1	59.4	92.7	155.3	252.8	333.7	324.9	263.9	197.3	162.5	140.3
95°	38.0	41.2	65.0	107.0	169.6	210.0	206.9	165.6	132.4	113.3	103.0
97.5°	28.5	31.7	50.7	78.5	114.1	141.1	137.9	110.2	91.9	83.2	79.3
100°	23.8	25.4	41.2	61.8	84.8	101.4	99.9	81.6	69.0	62.6	61.0
102.5°	20.6	22.2	34.1	49.9	67.4	78.5	75.3	63.4	52.3	46.8	45.2
105°	18.2	19.0	29.3	42.8	55.5	61.8	61.0	50.7	40.4	34.9	34.1
107.5°	16.6	17.4	25.4	36.5	46.8	52.3	50.7	41.2	30.9	26.9	26.2
110°	15.1	15.9	22.2	31.7	39.6	44.4	42.0	34.1	24.6	20.6	20.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	14.3	14.3	19.8	26.9	34.1	38.0	35.7	27.7	19.0	16.6	17.4
115°	13.5	13.5	17.4	23.8	30.1	33.3	30.1	23.0	15.9	14.3	14.3
117.5°	12.7	12.7	15.9	21.4	26.9	29.3	26.2	19.8	13.5	11.9	12.7
120°	11.9	12.7	15.1	19.0	23.8	25.4	23.0	16.6	11.1	11.1	11.9
122.5°	11.9	11.9	14.3	17.4	21.4	22.2	19.8	14.3	10.3	10.3	10.3
125°	11.9	11.9	13.5	15.9	19.0	19.8	16.6	11.9	9.5	9.5	9.5
127.5°	11.9	11.9	12.7	15.1	16.6	17.4	15.1	11.1	8.7	8.7	9.5
130°	11.1	11.9	11.9	13.5	15.1	15.1	12.7	9.5	7.9	7.9	8.7
132.5°	11.1	11.1	11.9	12.7	13.5	13.5	11.1	8.7	7.1	7.9	7.9
135°	11.1	11.1	11.1	11.9	12.7	11.9	9.5	7.1	6.3	7.1	7.1
137.5°	10.3	10.3	10.3	11.1	11.1	10.3	8.7	6.3	6.3	6.3	6.3
140°	9.5	9.5	9.5	9.5	10.3	9.5	7.1	5.5	5.5	5.5	5.5
142.5°	8.7	8.7	8.7	8.7	8.7	7.9	6.3	4.8	4.8	4.8	4.8
145°	7.9	7.9	7.9	7.9	7.1	6.3	4.8	4.0	4.0	4.8	4.8
147.5°	6.3	6.3	6.3	6.3	6.3	5.5	4.0	3.2	4.0	4.0	4.0
150°	5.5	5.5	5.5	5.5	4.8	4.8	3.2	3.2	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	3.2	2.4	2.4	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2
157.5°	1.6	2.4	2.4	2.4	2.4	2.4	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	125.2	124.4	123.6	122.8	122.1	122.1	121.3	120.5	119.7	118.9	118.9
5°	133.9	132.4	130.0	128.4	126.8	126.8	125.2	124.4	122.8	122.1	122.1
7.5°	147.4	146.6	141.9	139.5	137.1	136.3	134.7	133.1	131.6	131.6	131.6
10°	167.2	164.8	160.9	154.5	152.2	150.6	148.2	146.6	146.6	147.4	147.4
12.5°	197.3	191.0	185.5	176.7	172.0	168.8	167.2	168.0	172.0	173.6	172.0
15°	232.2	230.6	217.2	204.5	195.0	188.6	192.6	197.3	202.9	204.5	206.9
17.5°	280.6	275.0	256.8	238.6	221.1	217.9	222.7	230.6	237.0	241.7	245.7
20°	338.4	328.9	306.7	275.0	255.2	250.4	253.6	264.7	276.6	286.1	286.9
22.5°	411.3	397.1	357.4	317.8	288.5	280.6	284.5	302.0	319.4	331.3	330.5
25°	490.6	473.1	420.0	363.0	322.6	308.3	315.4	338.4	363.0	377.3	378.8
27.5°	579.3	561.9	488.2	406.6	353.5	332.1	344.0	370.1	403.4	420.8	424.0
30°	684.0	660.2	556.4	453.3	382.0	354.3	365.4	399.4	435.9	460.5	463.6
32.5°	792.5	755.3	624.5	491.4	401.8	368.5	381.2	420.8	462.8	489.8	494.5
35°	905.1	859.1	693.5	523.9	416.1	377.3	389.9	434.3	478.7	508.0	512.0
37.5°	1031.9	970.9	756.1	548.4	424.0	379.6	392.3	436.7	481.9	510.4	514.4
40°	1159.5	1077.9	808.4	563.5	424.8	377.3	387.6	430.4	473.1	497.7	501.7
42.5°	1296.6	1190.4	860.7	567.5	420.8	370.9	379.6	417.7	454.1	473.1	475.5
45°	1450.4	1320.4	905.1	564.3	409.7	361.4	367.7	400.2	428.8	437.5	441.4
47.5°	1612.8	1448.8	939.2	554.8	398.6	351.1	355.1	382.0	400.2	401.0	401.8
50°	1811.0	1604.9	981.2	541.3	383.6	341.6	344.0	365.4	374.1	370.1	368.5
52.5°	2028.1	1772.1	1008.1	519.9	370.1	332.9	335.2	351.9	355.1	346.3	347.1
55°	2264.3	1928.3	1031.1	499.3	355.9	327.3	332.1	345.5	345.5	334.5	333.7
57.5°	2484.6	2087.6	1041.4	473.1	344.0	323.4	331.3	344.8	343.2	332.9	332.1
60°	2697.8	2217.5	1028.7	447.8	336.0	321.8	336.0	350.3	348.7	340.0	339.2
62.5°	2845.2	2299.2	997.0	422.4	328.9	324.2	341.6	358.2	358.2	348.7	348.7
65°	2908.6	2289.7	932.0	397.1	323.4	325.7	349.5	366.9	365.4	357.4	355.9
67.5°	2855.5	2203.3	844.9	372.5	318.6	327.3	353.5	371.7	370.1	361.4	359.8
70°	2685.1	2021.8	739.4	350.3	312.3	324.9	355.1	370.9	368.5	360.6	357.4
72.5°	2345.9	1739.6	629.3	328.9	302.8	319.4	350.3	364.6	362.2	355.9	351.9
75°	1932.2	1402.8	519.9	305.1	290.9	309.1	340.0	352.7	349.5	344.0	340.0
77.5°	1477.3	1059.6	429.6	282.9	276.6	295.6	325.7	335.2	332.1	327.3	324.9
80°	1045.4	754.5	345.5	258.4	256.0	275.0	300.4	310.7	309.1	304.3	300.4
82.5°	687.9	501.7	275.8	230.6	232.2	252.0	271.0	276.6	275.8	271.8	267.1
85°	424.0	330.5	217.2	198.9	206.1	221.9	237.8	238.6	236.2	235.4	228.3
87.5°	270.3	225.9	170.4	168.8	179.1	192.6	199.7	196.6	198.1	198.1	192.6
90°	175.9	158.5	136.3	141.1	152.2	162.5	165.6	156.9	161.7	159.3	156.9
92.5°	127.6	118.1	111.0	117.3	128.4	137.9	136.3	126.8	129.2	129.2	128.4
95°	96.7	91.9	92.7	99.1	107.8	114.1	111.0	103.0	103.8	102.2	99.9
97.5°	76.1	75.3	78.5	83.2	91.1	95.1	91.9	84.8	84.0	81.6	80.8
100°	60.2	61.0	65.8	71.3	76.1	79.3	76.9	69.7	66.6	62.6	61.8
102.5°	46.8	48.3	54.7	59.4	64.2	66.6	64.2	58.6	53.1	49.1	48.3
105°	36.5	38.0	45.2	49.9	53.9	55.5	53.9	47.6	42.0	37.2	37.2
107.5°	28.5	30.1	37.2	42.8	45.2	46.8	44.4	39.6	33.3	29.3	29.3
110°	23.0	24.6	30.9	35.7	38.0	39.6	37.2	31.7	26.9	23.8	23.8



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.2	20.6	25.4	30.1	32.5	33.3	30.9	26.9	21.4	19.8	19.8
115°	15.9	17.4	21.4	25.4	27.7	27.7	26.2	22.2	17.4	16.6	16.6
117.5°	13.5	15.1	18.2	22.2	23.8	23.8	22.2	18.2	15.1	14.3	14.3
120°	12.7	13.5	15.9	19.0	20.6	20.6	19.0	15.9	12.7	12.7	12.7
122.5°	11.1	11.9	14.3	16.6	18.2	18.2	16.6	13.5	11.1	11.9	11.9
125°	10.3	11.1	12.7	14.3	15.9	15.9	14.3	11.9	10.3	10.3	10.3
127.5°	9.5	10.3	11.1	12.7	13.5	13.5	12.7	10.3	9.5	9.5	9.5
130°	8.7	9.5	10.3	11.1	11.9	11.9	10.3	8.7	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	9.5	10.3	10.3	9.5	7.9	7.9	7.9	7.9
135°	7.9	7.9	7.9	7.9	8.7	8.7	7.9	7.1	7.1	7.1	7.1
137.5°	7.1	7.1	7.1	7.1	7.9	7.9	7.1	6.3	6.3	6.3	6.3
140°	6.3	6.3	6.3	5.5	6.3	6.3	5.5	5.5	5.5	5.5	5.5
142.5°	4.8	5.5	4.8	4.8	4.8	4.8	4.8	4.0	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.0	4.0	4.0	4.0	3.2	4.0	4.0	4.0
147.5°	4.0	4.0	4.0	3.2	2.4	3.2	2.4	3.2	3.2	3.2	3.2
150°	4.0	4.0	3.2	3.2	2.4	1.6	1.6	2.4	2.4	2.4	2.4
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
155°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.4	2.4	2.4	1.6	0.8	0.8	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)