

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: P413812

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8654 lumens
Efficiency: N/A
Efficacy: 90.1 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

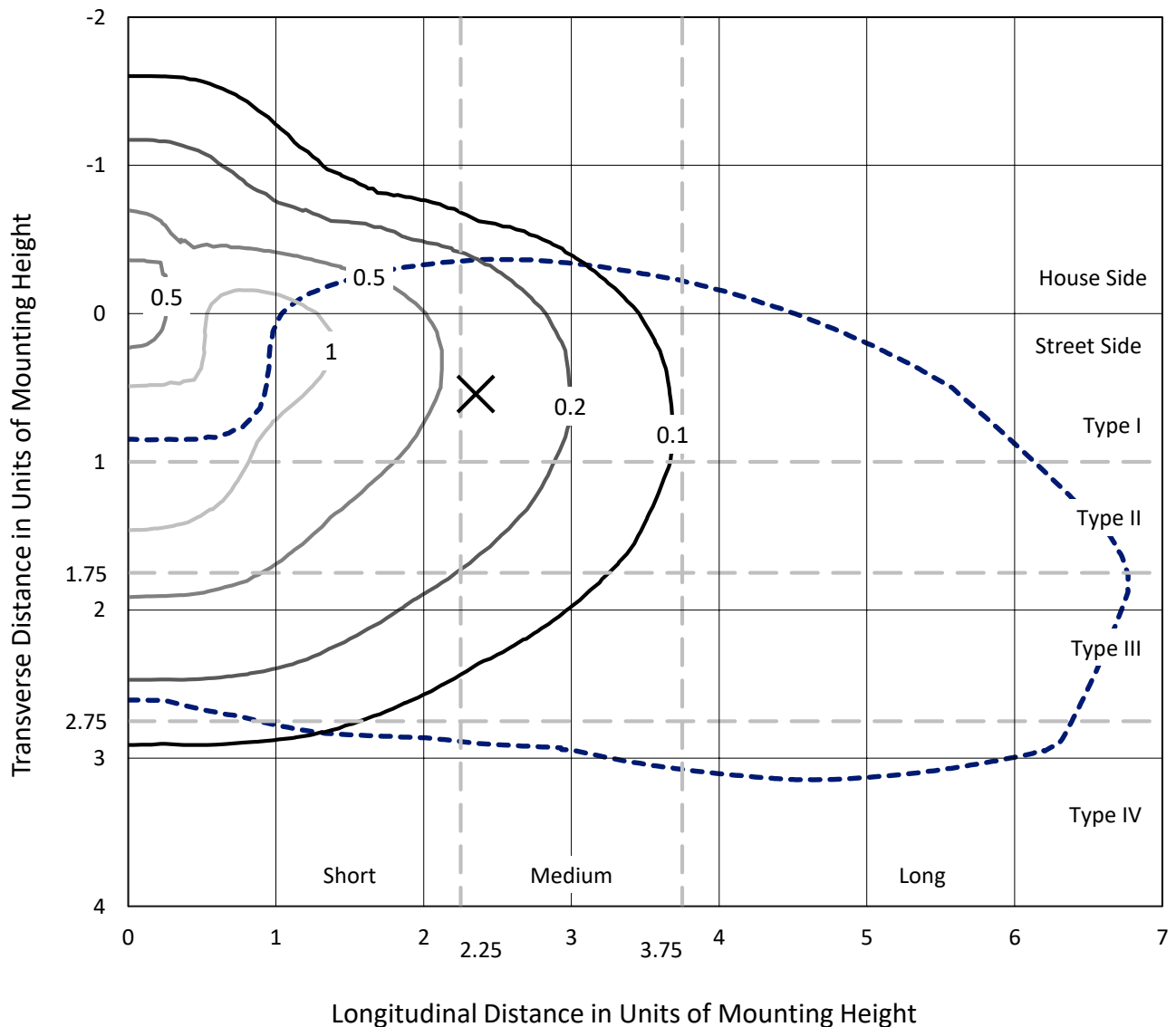
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

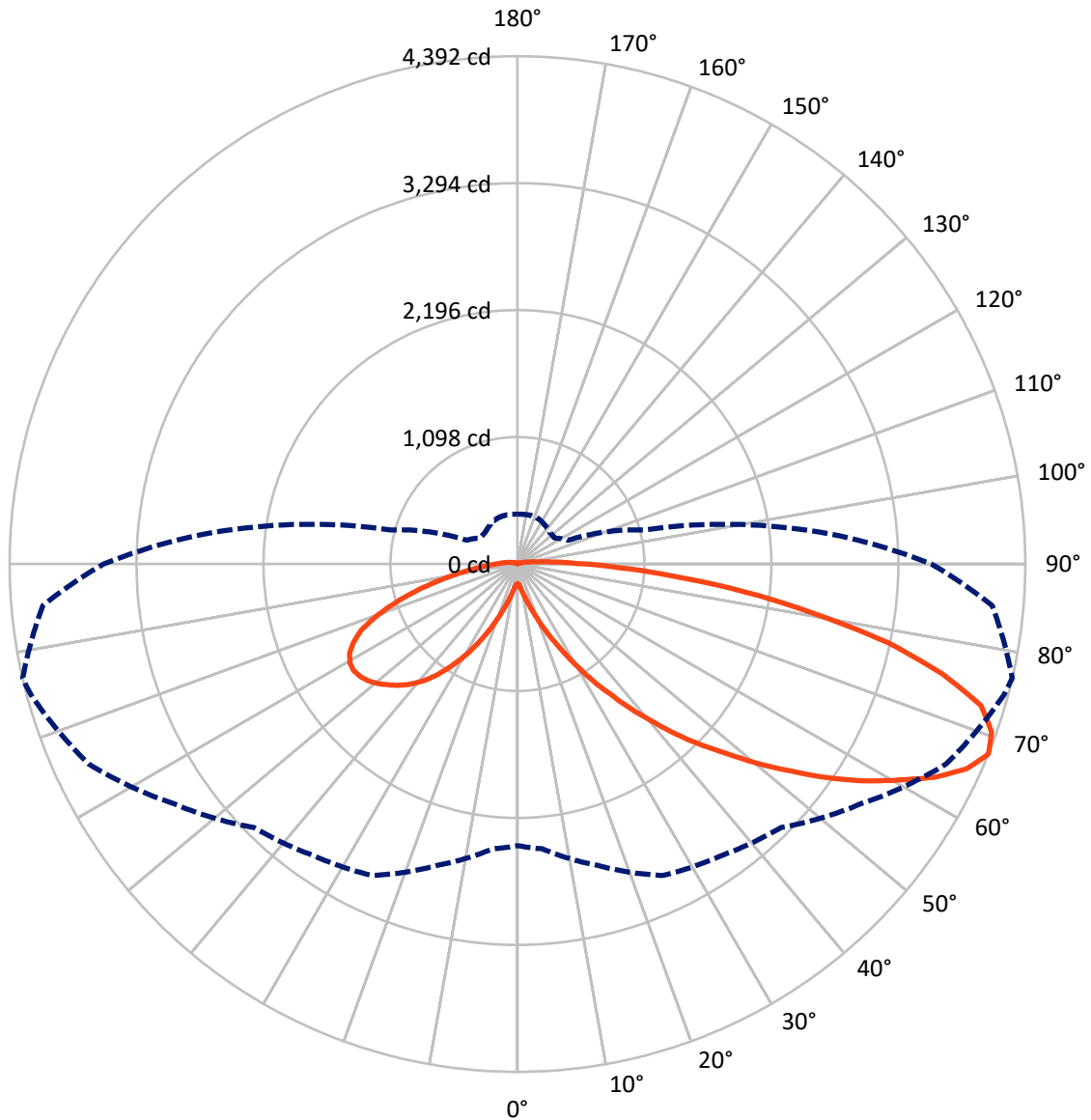


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.3	130.0	2104.3
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	6404.9	144.8	6549.7
	% Fixture	74.0	1.7	75.7
Total	Lumens	8379.2	274.8	8654.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.2
10°-20°	100.4	1.2
20°-30°	299.9	3.5
30°-40°	664.2	7.7
40°-50°	1189.4	13.7
50°-60°	1781.4	20.6
60°-70°	2099.7	24.3
70°-80°	1603.1	18.5
80°-90°	621.4	7.2
90°-100°	158.4	1.8
100°-110°	59.9	0.7
110°-120°	28.2	0.3
120°-130°	15.0	0.2
130°-140°	8.3	0.1
140°-150°	3.8	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8379.2	96.8
0°-180°	8654.0	100.0



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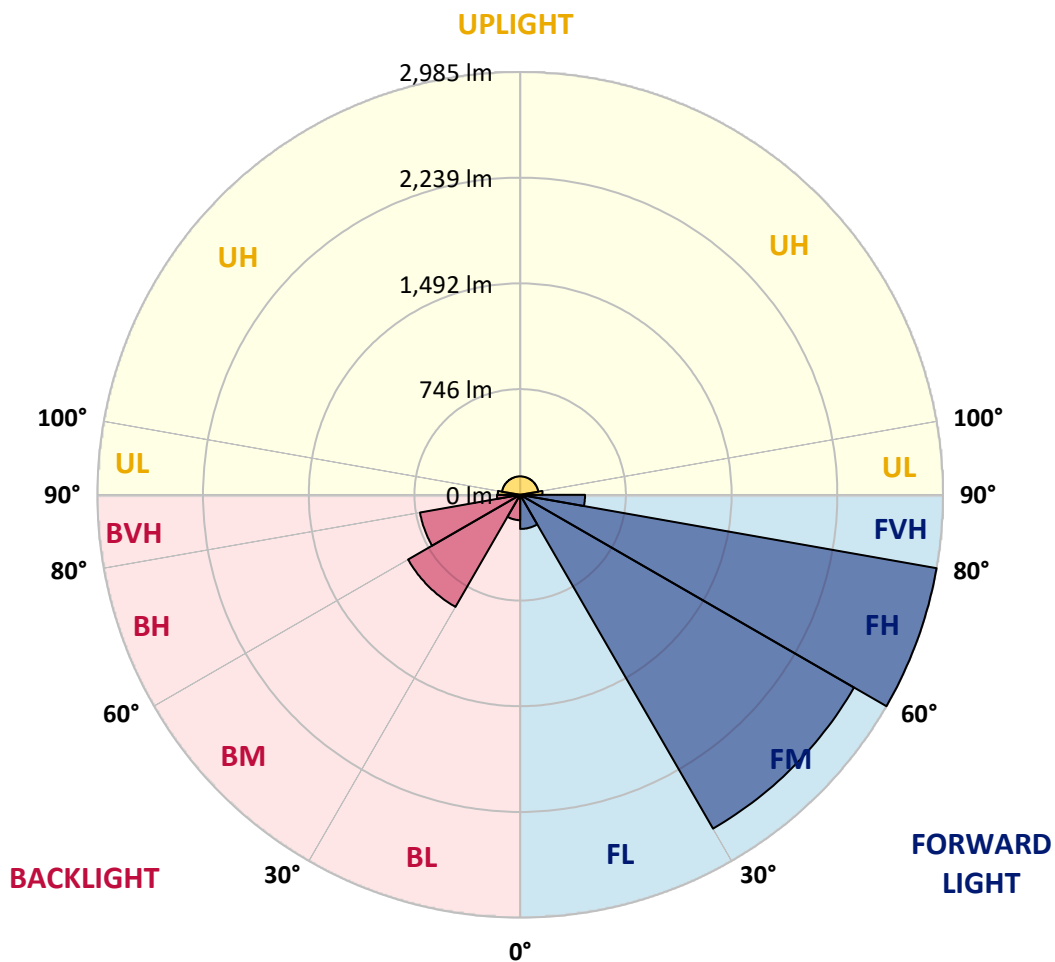
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.2	2.8			
FM	(30°-60°)	2721.0	31.4			
FH	(60°-80°)	2984.9	34.5			G2/5000
FVH	(80°-90°)	457.7	5.3			G3/500
BL	(0°-30°)	178.7	2.1	B1/500		
BM	(30°-60°)	913.9	10.6	B1/1000		
BH	(60°-80°)	717.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	163.7	1.9			G2/225
UL	(90°-100°)	158.4	1.8		U3/500	
UH	(100°-180°)	130.0	1.5		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°	77°	85°
0°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	180.0	179.0	180.0	180.0	180.9	179.0	177.0	176.0	175.0	175.0	174.0
5°	198.8	196.9	197.8	198.8	197.8	195.9	192.9	191.9	189.9	189.9	187.9
7.5°	225.7	225.7	224.7	222.7	224.7	221.7	219.7	218.7	215.7	214.8	213.8
10°	266.5	264.5	263.5	261.5	259.5	258.5	254.5	254.5	249.5	251.5	248.6
12.5°	319.1	315.2	316.2	312.2	306.2	302.2	300.3	299.3	299.3	299.3	298.3
15°	382.8	379.8	378.8	369.9	363.9	358.9	354.9	355.9	360.9	361.9	357.9
17.5°	455.4	460.3	451.4	443.4	434.5	424.5	424.5	424.5	428.5	431.5	429.5
20°	556.8	546.8	536.9	524.0	509.0	501.1	497.1	509.0	516.0	521.0	519.0
22.5°	668.1	658.2	647.2	626.4	605.5	590.6	590.6	605.5	621.4	627.4	629.3
25°	794.4	800.3	773.5	741.7	703.9	691.0	693.0	714.8	738.7	743.7	755.6
27.5°	950.5	950.5	927.6	876.9	827.2	801.3	803.3	839.1	874.9	881.9	890.8
30°	1140.4	1133.4	1102.6	1035.0	969.4	920.6	929.6	973.3	1030.0	1036.0	1046.9
32.5°	1352.1	1351.1	1291.5	1208.0	1113.5	1055.9	1059.8	1123.5	1194.1	1211.0	1222.9
35°	1586.8	1592.7	1515.2	1393.9	1284.5	1207.0	1219.9	1292.5	1375.0	1379.0	1393.9
37.5°	1855.2	1852.2	1759.8	1627.5	1464.5	1382.0	1372.0	1470.5	1556.9	1582.8	1574.8
40°	2152.5	2120.7	2031.2	1867.1	1666.3	1556.0	1557.9	1659.4	1776.7	1784.6	1782.6
42.5°	2445.8	2431.9	2323.5	2101.8	1887.0	1756.8	1761.8	1859.2	1980.5	2011.3	1989.4
45°	2761.9	2727.1	2609.8	2381.2	2119.7	1978.5	1965.6	2074.9	2208.2	2232.0	2211.1
47.5°	3017.5	2995.6	2892.2	2648.6	2369.2	2188.3	2168.4	2302.6	2454.7	2456.7	2425.9
50°	3229.2	3218.3	3136.8	2921.0	2610.8	2422.9	2402.0	2535.3	2694.3	2720.2	2675.4
52.5°	3412.2	3394.3	3353.5	3140.7	2830.5	2623.7	2620.8	2766.9	2965.8	2977.7	2934.9
55°	3470.8	3481.8	3475.8	3325.7	3046.3	2822.6	2847.4	3044.3	3222.3	3264.0	3183.5
57.5°	3461.9	3461.9	3518.5	3449.9	3190.5	3002.5	3056.2	3293.9	3525.5	3538.4	3442.0
60°	3326.7	3329.6	3465.9	3484.7	3293.9	3156.7	3282.9	3547.4	3785.0	3793.0	3702.5
62.5°	3131.8	3124.8	3324.7	3420.1	3306.8	3248.1	3445.0	3769.1	4029.6	4056.4	3920.2
65°	2827.6	2840.5	3056.2	3246.1	3239.2	3282.9	3571.2	3968.9	4228.4	4267.2	4070.3
67.5°	2434.8	2472.6	2699.3	2971.7	3077.1	3222.3	3618.0	4091.2	4357.7	4391.5	4121.0
70°	2017.3	2008.3	2253.9	2595.9	2801.7	3067.2	3566.3	4096.2	4360.7	4349.7	4012.7
72.5°	1530.1	1567.9	1788.6	2136.6	2441.8	2772.9	3398.2	3968.9	4193.6	4191.6	3726.3
75°	1087.7	1110.5	1305.4	1653.4	2017.3	2428.9	3063.2	3691.5	3856.6	3796.9	3311.7
77.5°	717.8	738.7	906.7	1223.9	1560.9	1996.4	2612.8	3207.4	3338.6	3277.0	2782.8
80°	446.4	456.3	583.6	835.1	1134.4	1547.0	2115.7	2622.8	2674.5	2611.8	2142.5
82.5°	265.5	273.4	364.9	535.9	808.3	1126.5	1594.7	2010.3	2027.2	1984.5	1545.0
85°	163.1	174.0	232.6	357.9	538.9	794.4	1111.5	1396.9	1408.8	1359.1	1021.1
87.5°	106.4	112.3	158.1	232.6	362.9	531.9	744.7	929.6	902.8	871.9	645.2
90°	72.6	76.6	108.4	160.1	245.6	352.0	471.3	581.6	538.9	515.0	391.7
92.5°	50.7	54.7	79.5	115.3	170.0	235.6	306.2	348.0	330.1	319.1	246.6
95°	39.8	41.8	60.6	89.5	126.3	167.0	202.8	215.7	204.8	196.9	166.0
97.5°	31.8	33.8	50.7	72.6	98.4	124.3	141.2	145.2	134.2	130.2	115.3
100°	26.8	28.8	42.8	60.6	80.5	98.4	105.4	104.4	95.4	93.5	83.5
102.5°	23.9	24.9	37.8	52.7	68.6	79.5	83.5	78.5	69.6	68.6	62.6
105°	20.9	22.9	32.8	45.7	58.7	67.6	67.6	61.6	51.7	50.7	47.7
107.5°	19.9	19.9	28.8	39.8	50.7	56.7	56.7	49.7	40.8	38.8	36.8
110°	17.9	18.9	25.8	34.8	43.7	48.7	47.7	39.8	30.8	29.8	28.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	16.9	16.9	22.9	30.8	37.8	41.8	39.8	32.8	24.9	23.9	22.9
115°	15.9	15.9	20.9	27.8	33.8	36.8	33.8	26.8	19.9	18.9	19.9
117.5°	14.9	15.9	18.9	24.9	29.8	31.8	28.8	22.9	16.9	15.9	16.9
120°	14.9	14.9	17.9	21.9	25.8	27.8	24.9	18.9	13.9	13.9	14.9
122.5°	14.9	14.9	16.9	19.9	22.9	23.9	20.9	15.9	12.9	12.9	13.9
125°	13.9	13.9	15.9	17.9	20.9	20.9	18.9	13.9	10.9	10.9	12.9
127.5°	13.9	13.9	14.9	16.9	18.9	18.9	15.9	11.9	9.9	10.9	11.9
130°	12.9	12.9	13.9	14.9	16.9	15.9	13.9	10.9	8.9	9.9	10.9
132.5°	12.9	12.9	12.9	13.9	14.9	13.9	11.9	8.9	8.9	8.9	9.9
135°	11.9	11.9	12.9	12.9	12.9	11.9	9.9	8.0	8.0	8.0	8.9
137.5°	11.9	11.9	11.9	11.9	11.9	10.9	8.9	7.0	7.0	7.0	8.0
140°	10.9	10.9	10.9	9.9	9.9	8.9	7.0	6.0	6.0	6.0	7.0
142.5°	9.9	9.9	9.9	8.9	8.9	7.0	6.0	5.0	5.0	6.0	6.0
145°	8.9	8.9	8.9	8.0	7.0	6.0	4.0	4.0	5.0	5.0	6.0
147.5°	7.0	7.0	7.0	7.0	5.0	5.0	3.0	4.0	4.0	5.0	5.0
150°	6.0	6.0	6.0	6.0	4.0	3.0	2.0	3.0	4.0	4.0	4.0
152.5°	5.0	5.0	5.0	5.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0
155°	3.0	3.0	4.0	3.0	2.0	1.0	2.0	2.0	3.0	3.0	3.0
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0
160°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	173.0	174.0	173.0	172.0	172.0	171.0	171.0	171.0	171.0	170.0	170.0
5°	188.9	187.9	186.9	184.9	182.9	180.9	180.9	180.0	179.0	178.0	178.0
7.5°	210.8	210.8	208.8	205.8	202.8	200.8	198.8	197.8	194.9	194.9	193.9
10°	244.6	244.6	238.6	235.6	230.7	225.7	223.7	220.7	218.7	217.7	216.7
12.5°	293.3	290.3	284.3	274.4	264.5	256.5	251.5	249.5	250.5	250.5	251.5
15°	355.9	350.0	341.0	322.1	304.2	292.3	289.3	289.3	290.3	290.3	291.3
17.5°	430.5	421.5	401.7	377.8	352.0	336.0	329.1	329.1	331.1	334.1	337.0
20°	521.0	513.0	482.2	440.4	401.7	380.8	368.9	367.9	371.8	380.8	378.8
22.5°	623.4	614.4	568.7	508.0	454.4	420.6	407.6	411.6	421.5	427.5	427.5
25°	746.7	731.7	663.1	574.7	506.1	458.3	441.4	447.4	462.3	469.3	472.3
27.5°	878.9	859.0	767.5	647.2	546.8	489.2	471.3	479.2	497.1	508.0	511.0
30°	1036.0	1001.2	876.9	714.8	583.6	511.0	492.1	507.1	526.9	539.9	542.8
32.5°	1201.0	1147.3	971.4	772.5	610.5	525.9	507.1	524.9	546.8	561.7	562.7
35°	1366.1	1304.4	1075.7	819.2	624.4	532.9	513.0	533.9	557.8	569.7	572.7
37.5°	1545.0	1459.5	1166.2	849.1	630.3	531.9	513.0	533.9	556.8	566.7	568.7
40°	1717.0	1611.6	1246.8	867.0	628.3	524.0	506.1	527.9	547.8	554.8	553.8
42.5°	1909.9	1758.8	1311.4	868.0	614.4	512.0	497.1	516.0	529.9	528.9	529.9
45°	2093.8	1914.9	1359.1	861.0	595.5	497.1	485.2	502.1	507.1	502.1	501.1
47.5°	2295.7	2070.0	1396.9	843.1	572.7	483.2	472.3	485.2	486.2	475.2	473.2
50°	2509.4	2225.1	1431.7	810.3	545.8	467.3	460.3	471.3	469.3	451.4	448.4
52.5°	2718.2	2382.2	1453.6	770.5	519.0	453.4	450.4	461.3	455.4	434.5	430.5
55°	2940.9	2527.3	1457.5	730.8	493.1	441.4	441.4	453.4	446.4	424.5	421.5
57.5°	3158.6	2679.4	1442.6	679.1	468.3	428.5	434.5	448.4	443.4	421.5	419.6
60°	3362.5	2793.8	1401.9	630.3	445.4	419.6	429.5	445.4	441.4	423.5	421.5
62.5°	3520.5	2869.3	1337.2	582.6	425.5	410.6	424.5	440.4	441.4	426.5	427.5
65°	3594.1	2869.3	1243.8	534.9	407.6	401.7	419.6	437.5	439.4	430.5	430.5
67.5°	3578.2	2795.7	1138.4	485.2	390.7	390.7	412.6	431.5	435.5	431.5	431.5
70°	3410.2	2596.9	994.2	445.4	373.8	377.8	401.7	421.5	427.5	428.5	427.5
72.5°	3136.8	2297.6	845.1	403.7	355.9	364.9	387.7	407.6	415.6	417.6	416.6
75°	2714.2	1950.7	698.9	368.9	337.0	348.0	371.8	388.7	397.7	401.7	399.7
77.5°	2181.3	1548.0	572.7	334.1	315.2	327.1	350.0	363.9	374.8	379.8	375.8
80°	1662.3	1152.3	455.4	299.3	288.3	301.2	321.1	336.0	346.0	348.0	345.0
82.5°	1180.1	817.2	364.9	266.5	259.5	270.4	288.3	298.3	310.2	309.2	303.2
85°	773.5	554.8	286.3	231.7	228.7	235.6	249.5	255.5	267.4	267.4	260.5
87.5°	503.1	367.9	225.7	194.9	197.8	203.8	210.8	215.7	220.7	221.7	215.7
90°	321.1	251.5	180.0	166.0	169.0	174.0	174.0	173.0	180.9	182.9	178.0
92.5°	210.8	179.0	149.1	141.2	143.2	144.2	144.2	140.2	147.1	148.1	144.2
95°	148.1	134.2	123.3	121.3	121.3	121.3	119.3	114.3	120.3	120.3	118.3
97.5°	111.4	104.4	103.4	103.4	103.4	102.4	99.4	97.4	99.4	99.4	98.4
100°	83.5	82.5	85.5	87.5	88.5	87.5	85.5	82.5	82.5	78.5	79.5
102.5°	63.6	65.6	71.6	74.6	74.6	74.6	73.6	69.6	67.6	63.6	62.6
105°	49.7	51.7	58.7	62.6	63.6	64.6	62.6	58.7	54.7	50.7	49.7
107.5°	38.8	41.8	47.7	52.7	54.7	54.7	53.7	49.7	44.7	39.8	39.8
110°	31.8	33.8	39.8	44.7	46.7	46.7	45.7	40.8	35.8	31.8	31.8



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CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.8	27.8	33.8	37.8	39.8	40.8	38.8	34.8	29.8	25.8	25.8
115°	21.9	23.9	28.8	31.8	33.8	33.8	32.8	28.8	24.9	21.9	21.9
117.5°	18.9	20.9	24.9	27.8	28.8	29.8	27.8	24.9	20.9	18.9	18.9
120°	16.9	17.9	21.9	23.9	24.9	24.9	23.9	20.9	17.9	16.9	16.9
122.5°	14.9	16.9	18.9	20.9	21.9	21.9	20.9	17.9	15.9	14.9	15.9
125°	13.9	14.9	16.9	18.9	18.9	18.9	17.9	15.9	13.9	13.9	13.9
127.5°	12.9	13.9	14.9	15.9	16.9	16.9	15.9	13.9	12.9	12.9	12.9
130°	11.9	12.9	13.9	13.9	14.9	14.9	13.9	11.9	11.9	11.9	11.9
132.5°	10.9	11.9	11.9	12.9	12.9	12.9	11.9	10.9	10.9	10.9	10.9
135°	9.9	9.9	10.9	10.9	10.9	10.9	9.9	9.9	9.9	9.9	9.9
137.5°	8.9	8.9	9.9	8.9	9.9	8.9	8.9	8.0	8.9	8.9	8.9
140°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	8.0	8.0	8.0
142.5°	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0
145°	6.0	6.0	6.0	5.0	5.0	4.0	5.0	5.0	6.0	6.0	6.0
147.5°	5.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	5.0	5.0	5.0
150°	4.0	5.0	5.0	4.0	3.0	2.0	2.0	3.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	1.0	2.0	3.0	3.0	3.0
155°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	2.0	2.0	2.0	2.0
157.5°	3.0	3.0	3.0	2.0	1.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	2.0	2.0	2.0	2.0	1.0	1.0	0.0	1.0	1.0	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)