

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: P416649

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416649
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-PA1-80-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7405 lumens
Efficiency: N/A
Efficacy: 89.2 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

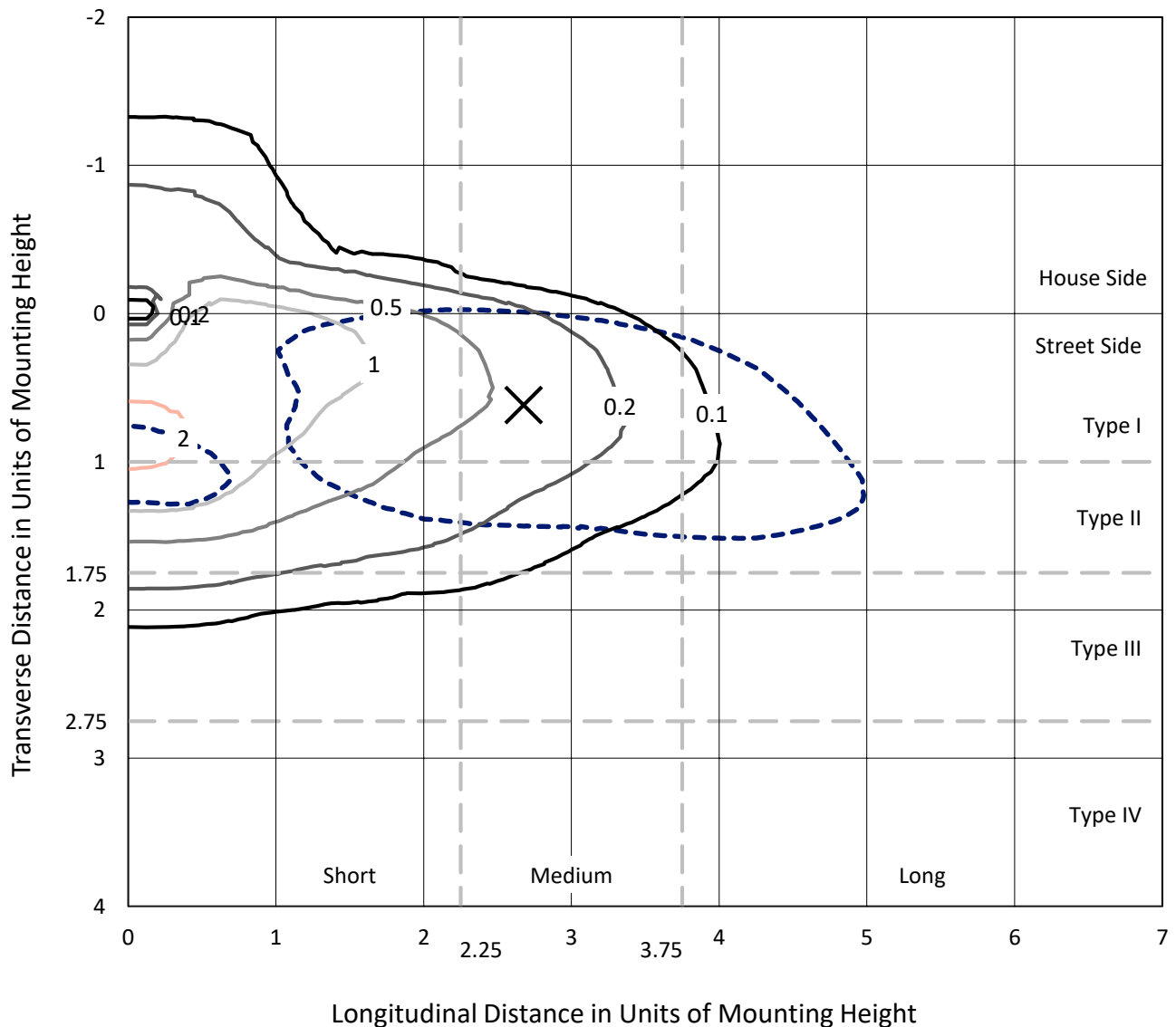
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

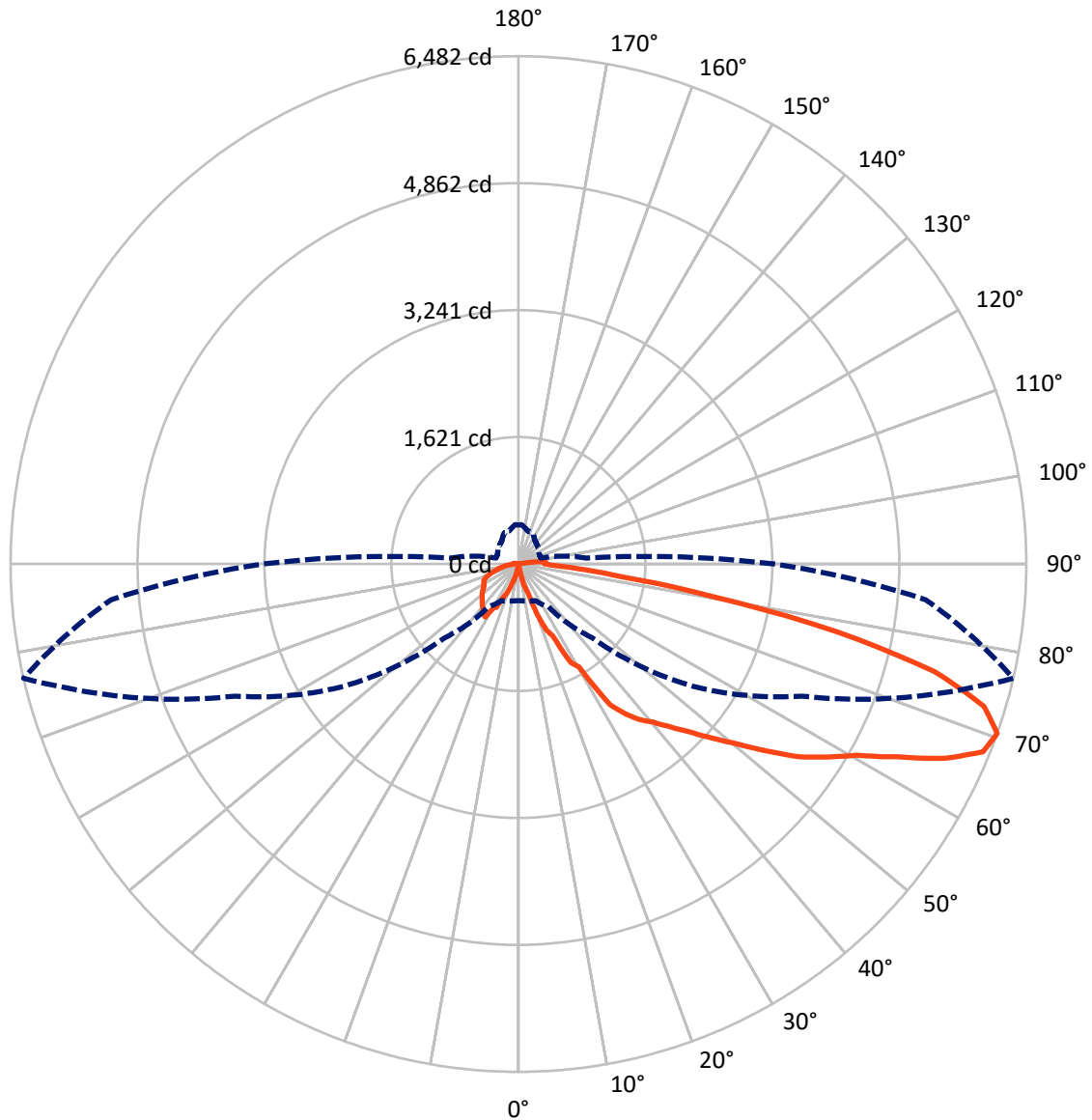


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - Non-Cutoff

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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	1252.4	54.9	1307.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6029.2	68.4	6097.6
	% Fixture	81.4	0.9	82.3
Total	Lumens	7281.7	123.3	7405.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	88.1	1.2
20°-30°	349.0	4.7
30°-40°	842.8	11.4
40°-50°	1363.1	18.4
50°-60°	1630.4	22.0
60°-70°	1594.3	21.5
70°-80°	1102.2	14.9
80°-90°	305.9	4.1
90°-100°	80.5	1.1
100°-110°	16.5	0.2
110°-120°	8.8	0.1
120°-130°	7.0	0.1
130°-140°	4.8	0.1
140°-150°	4.0	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7281.7	98.3
0°-180°	7405.0	100.0



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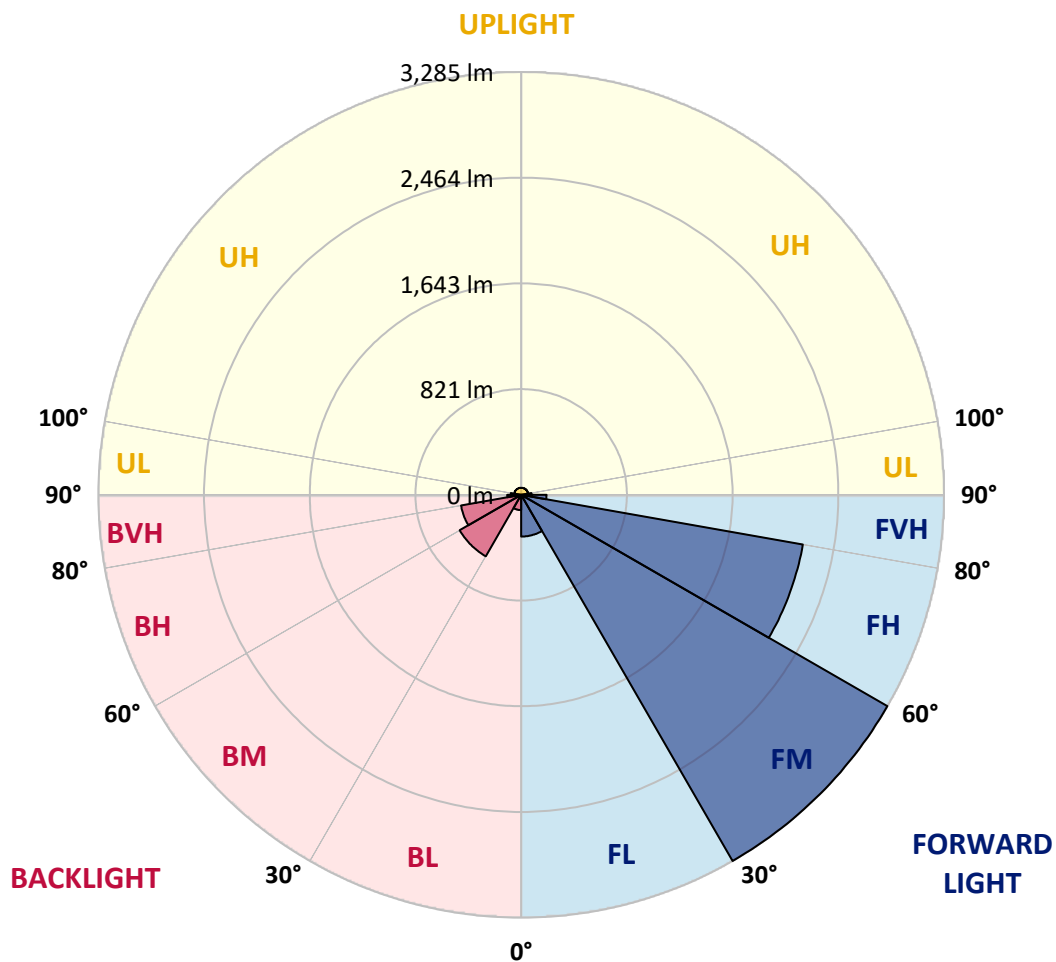
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.5	4.4			
FM (30°-60°)	3285.4	44.4			
FH (60°-80°)	2222.3	30.0			G2/5000
FVH (80°-90°)	197.1	2.7			G2/225
BL (0°-30°)	118.6	1.6	B1/500		
BM (30°-60°)	550.9	7.4	B1/1000		
BH (60°-80°)	474.1	6.4	B1/500		G1/500
BVH (80°-90°)	108.8	1.5			G2/225
UL (90°-100°)	80.5	1.1		U3/500	
UH (100°-180°)	54.9	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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	9.2	8.4	8.4	9.2	10.9	10.0	7.5	5.9	5.0	5.0	5.0
5°	181.5	175.6	171.4	121.3	26.8	15.9	10.0	7.5	5.9	5.9	5.0
7.5°	216.6	213.3	211.6	205.7	199.0	185.7	33.5	10.9	6.7	6.7	5.9
10°	245.0	242.5	239.2	235.8	226.6	217.4	199.0	27.6	10.9	10.9	9.2
12.5°	499.3	491.8	485.1	344.6	255.9	245.9	228.3	156.4	118.8	114.6	138.0
15°	512.7	512.7	512.7	516.8	509.3	274.3	373.8	468.3	309.4	299.4	309.4
17.5°	546.1	541.1	532.7	535.2	545.3	605.5	557.8	521.0	412.3	366.3	356.3
20°	817.1	812.9	815.4	756.0	581.2	762.7	757.7	587.1	669.9	679.1	661.5
22.5°	872.3	871.5	868.9	865.6	993.6	809.6	871.5	923.3	935.8	917.5	761.1
25°	1237.8	1228.6	1117.3	941.7	1064.6	974.3	1162.5	1023.7	1042.1	1009.4	964.3
27.5°	1414.2	1395.0	1375.8	1323.1	1143.3	1302.2	1236.9	1349.8	1512.9	1425.9	1226.9
30°	1865.8	1876.7	1565.6	1548.0	1414.2	1380.8	1514.6	1586.5	1588.2	1524.6	1377.4
32.5°	2297.4	2268.1	2195.4	1882.6	1684.4	1546.4	1756.3	1689.4	2078.3	2138.5	1867.5
35°	2720.6	2663.7	2450.4	2238.0	1965.4	1906.0	1881.7	2115.1	2262.3	2348.4	2020.6
37.5°	3323.6	3282.6	3078.5	2523.2	2265.6	2051.5	2206.2	2251.4	2485.6	2522.4	2229.6
40°	3545.2	3517.6	3347.8	2912.1	2500.6	2289.9	2351.7	2415.3	2707.2	2656.2	2386.9
42.5°	3704.1	3694.1	3558.6	3115.3	2806.7	2526.5	2519.9	2552.5	2934.7	2841.0	2544.1
45°	3826.2	3812.0	3731.7	3245.8	2951.4	2672.9	2701.3	2721.4	3134.6	3052.6	2723.9
47.5°	3802.8	3808.6	3819.5	3408.0	3037.5	2815.9	2887.0	2866.9	3297.6	3316.9	2925.5
50°	3623.0	3634.7	3715.0	3473.3	3086.9	2933.0	3047.6	3029.2	3525.1	3605.4	3158.0
52.5°	3088.6	3107.8	3405.5	3372.1	3130.4	3025.0	3212.3	3216.5	3791.1	3961.7	3454.9
55°	2261.4	2334.2	2696.3	3036.7	3082.7	3054.3	3322.7	3454.0	4097.2	4343.0	3720.0
57.5°	1819.0	1804.0	2054.0	2550.0	2846.9	3018.3	3439.0	3665.6	4376.5	4649.1	3985.1
60°	1411.7	1416.7	1601.6	1957.0	2433.7	2929.7	3557.7	3856.3	4720.2	4956.9	4309.6
62.5°	1051.3	1061.3	1195.1	1407.5	1962.0	2682.1	3594.5	4094.7	5197.8	5421.9	4701.8
65°	763.6	780.3	853.1	983.5	1417.6	2310.8	3482.5	4272.8	5727.2	5982.2	5120.8
67.5°	573.7	582.9	625.6	705.0	1012.8	1834.1	3205.6	4261.9	5993.1	6394.6	5300.6
70°	466.7	470.9	486.7	515.2	664.9	1329.8	2719.7	3987.6	6050.0	6482.4	5217.0
72.5°	396.4	394.7	395.6	399.8	459.1	909.1	2100.9	3474.1	5832.5	6215.6	4839.8
75°	338.7	336.2	336.2	332.0	354.6	638.1	1446.8	2804.2	5254.6	5492.2	4077.1
77.5°	288.5	284.4	283.5	275.2	285.2	475.0	958.4	2088.3	4157.4	4161.6	2890.3
80°	245.9	238.4	235.0	229.2	240.9	362.1	625.6	1362.4	2543.3	2502.3	1604.1
82.5°	181.5	181.5	186.5	188.2	207.4	268.5	441.6	810.4	1388.3	1313.9	930.0
85°	104.5	113.7	134.6	137.2	158.9	178.1	332.0	480.1	776.9	749.3	476.7
87.5°	38.5	36.8	56.0	59.4	66.9	66.9	180.6	263.4	407.3	424.0	375.5
90°	31.8	31.8	21.7	20.1	25.9	43.5	122.1	184.8	306.1	328.7	354.6
92.5°	33.5	33.5	21.7	19.2	24.3	38.5	102.9	174.8	321.1	352.1	366.3
95°	31.8	32.6	19.2	17.6	22.6	32.6	76.9	149.7	308.6	337.9	357.9
97.5°	27.6	28.4	15.9	15.1	20.1	23.4	41.8	74.4	153.9	159.7	165.6
100°	22.6	22.6	11.7	12.5	15.9	15.9	21.7	39.3	37.6	30.9	26.8
102.5°	19.2	20.9	10.9	10.0	11.7	10.0	10.0	15.1	22.6	19.2	25.9
105°	15.9	17.6	9.2	8.4	9.2	8.4	6.7	10.9	16.7	19.2	27.6
107.5°	10.9	11.7	6.7	7.5	7.5	7.5	5.0	8.4	15.9	18.4	28.4
110°	7.5	7.5	5.0	6.7	6.7	7.5	5.0	8.4	12.5	14.2	22.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.0	5.0	4.2	5.0	5.9	5.9	5.0	7.5	10.9	11.7	15.9
115°	4.2	4.2	3.3	4.2	5.0	5.0	4.2	6.7	10.9	12.5	16.7
117.5°	5.0	4.2	3.3	4.2	5.0	4.2	4.2	5.9	10.9	12.5	16.7
120°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.9	10.9	12.5	16.7
122.5°	5.9	5.0	4.2	4.2	4.2	4.2	4.2	5.0	10.0	11.7	15.9
125°	5.9	5.9	4.2	4.2	5.0	4.2	4.2	5.0	10.0	10.9	15.1
127.5°	6.7	5.9	5.0	4.2	5.0	4.2	4.2	5.0	9.2	10.0	13.4
130°	6.7	6.7	5.0	4.2	5.0	4.2	4.2	4.2	7.5	8.4	11.7
132.5°	6.7	6.7	5.9	5.0	5.9	5.0	4.2	4.2	5.9	6.7	9.2
135°	7.5	6.7	6.7	5.9	6.7	5.9	4.2	4.2	4.2	5.0	6.7
137.5°	7.5	7.5	7.5	6.7	7.5	5.9	4.2	4.2	4.2	4.2	5.0
140°	9.2	9.2	8.4	7.5	8.4	6.7	5.0	4.2	4.2	4.2	5.0
142.5°	10.9	10.9	10.0	9.2	8.4	6.7	5.9	5.0	5.0	5.0	5.0
145°	12.5	11.7	11.7	10.0	8.4	6.7	5.9	5.9	5.9	5.9	5.9
147.5°	12.5	12.5	11.7	9.2	7.5	5.0	5.0	6.7	6.7	6.7	6.7
150°	11.7	11.7	10.0	8.4	5.9	4.2	4.2	5.9	6.7	6.7	6.7
152.5°	9.2	8.4	7.5	5.0	4.2	2.5	3.3	4.2	5.0	5.0	5.9
155°	5.9	5.0	4.2	3.3	3.3	2.5	2.5	3.3	3.3	3.3	4.2
157.5°	2.5	2.5	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.8	0.8	0.8	0.8	2.5	2.5	2.5	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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.9	6.7	6.7	6.7
5°	5.0	5.0	5.0	5.9	5.9	5.0	5.9	7.5	8.4	8.4	8.4
7.5°	5.9	5.0	5.9	6.7	6.7	6.7	29.3	84.5	93.7	95.3	97.0
10°	8.4	8.4	8.4	9.2	10.0	87.8	103.7	108.7	112.1	114.6	115.4
12.5°	127.1	111.2	69.4	18.4	88.7	108.7	114.6	122.9	127.1	132.1	130.5
15°	285.2	252.6	189.8	162.2	158.9	121.3	127.1	211.6	235.0	239.2	238.4
17.5°	322.8	277.7	211.6	225.8	235.0	182.3	214.1	236.7	240.9	245.0	244.2
20°	600.5	478.4	286.9	248.4	245.9	307.8	228.3	235.8	244.2	287.7	292.7
22.5°	666.6	550.3	375.5	363.8	296.9	312.8	297.7	301.9	327.8	327.8	326.2
25°	834.7	665.7	424.0	371.3	377.2	311.1	349.6	301.9	306.9	306.9	307.8
27.5°	1085.6	855.6	562.8	414.0	373.0	376.3	332.0	306.1	350.4	355.4	357.9
30°	1161.7	888.2	557.0	462.5	389.7	365.5	310.3	342.9	330.3	330.3	327.8
32.5°	1623.3	1211.8	693.3	452.5	399.8	339.5	343.7	322.8	317.0	342.9	342.9
35°	1714.5	1247.8	669.1	509.3	383.9	353.8	327.0	332.0	321.1	319.5	317.0
37.5°	1819.0	1272.9	614.7	478.4	405.6	339.5	337.9	325.3	311.1	331.2	334.5
40°	1918.5	1297.1	571.2	441.6	374.7	337.9	331.2	324.5	294.4	294.4	293.6
42.5°	2030.6	1313.0	531.9	412.3	344.6	338.7	320.3	299.4	279.3	285.2	283.5
45°	2146.8	1323.1	491.8	379.7	317.8	350.4	321.1	311.9	296.1	298.6	296.1
47.5°	2289.9	1339.8	456.6	347.9	301.1	321.1	303.6	299.4	308.6	300.2	305.3
50°	2442.1	1349.0	424.0	320.3	284.4	311.9	314.5	301.9	308.6	294.4	293.6
52.5°	2624.4	1357.4	388.9	301.9	281.8	310.3	329.5	316.1	304.4	286.0	284.4
55°	2785.0	1330.6	358.8	290.2	298.6	306.9	342.1	326.2	301.9	281.0	281.8
57.5°	2959.8	1296.3	334.5	285.2	295.2	301.1	359.6	340.4	312.8	313.6	314.5
60°	3140.4	1263.7	319.5	284.4	291.0	303.6	362.1	359.6	327.0	334.5	340.4
62.5°	3356.2	1237.8	317.0	290.2	306.1	317.0	364.6	390.6	362.1	365.5	367.1
65°	3525.1	1162.5	314.5	293.6	311.9	319.5	365.5	412.3	399.8	419.0	417.3
67.5°	3473.3	1023.7	310.3	296.9	316.1	332.9	364.6	428.2	426.5	470.9	466.7
70°	3261.7	869.8	296.9	292.7	317.8	339.5	365.5	432.4	439.9	502.6	498.5
72.5°	2905.4	701.7	272.6	281.0	318.6	347.9	376.3	433.2	441.6	530.2	517.7
75°	2431.2	567.0	236.7	254.2	328.7	352.9	378.9	424.9	424.9	508.5	492.6
77.5°	1749.6	436.6	204.1	230.8	325.3	349.6	371.3	405.6	399.8	439.9	424.9
80°	1019.5	322.0	174.0	226.6	305.3	342.9	350.4	357.9	330.3	339.5	330.3
82.5°	612.2	238.4	150.5	203.2	268.5	308.6	314.5	301.9	265.1	264.3	251.7
85°	367.1	163.1	110.4	157.2	211.6	257.6	264.3	229.2	194.9	214.9	192.4
87.5°	271.0	102.9	76.1	97.9	128.8	120.4	157.2	148.0	126.3	121.3	119.6
90°	244.2	78.6	62.7	79.5	87.0	74.4	80.3	80.3	65.2	64.4	61.1
92.5°	241.7	73.6	66.9	77.8	70.3	59.4	65.2	64.4	51.9	49.3	46.8
95°	225.8	66.1	66.9	70.3	61.9	48.5	52.7	49.3	36.8	34.3	31.8
97.5°	106.2	46.0	63.6	61.1	51.0	37.6	43.5	37.6	25.9	22.6	22.6
100°	25.1	39.3	54.4	55.2	41.0	28.4	30.1	24.3	16.7	14.2	14.2
102.5°	25.1	17.6	33.5	43.5	25.1	11.7	16.7	15.9	12.5	12.5	13.4
105°	25.1	16.7	16.7	28.4	15.1	7.5	7.5	10.0	10.9	14.2	15.9
107.5°	25.9	17.6	13.4	13.4	10.9	7.5	6.7	7.5	10.9	16.7	17.6
110°	21.7	15.9	12.5	11.7	10.9	7.5	5.9	7.5	10.9	18.4	20.1



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.9	14.2	10.9	10.9	9.2	7.5	5.9	6.7	11.7	20.1	21.7
115°	15.9	13.4	10.0	9.2	7.5	6.7	5.9	6.7	12.5	21.7	23.4
117.5°	16.7	13.4	9.2	8.4	6.7	5.0	5.0	6.7	12.5	22.6	24.3
120°	16.7	13.4	9.2	8.4	6.7	5.0	5.0	7.5	13.4	21.7	23.4
122.5°	15.9	13.4	9.2	8.4	6.7	4.2	5.0	6.7	12.5	20.9	22.6
125°	14.2	12.5	9.2	7.5	6.7	4.2	5.0	6.7	12.5	20.1	20.9
127.5°	13.4	11.7	8.4	7.5	5.9	4.2	5.0	6.7	11.7	18.4	19.2
130°	11.7	10.9	7.5	6.7	5.9	4.2	5.0	6.7	11.7	16.7	17.6
132.5°	9.2	8.4	6.7	5.9	5.9	4.2	5.0	5.9	9.2	14.2	15.1
135°	6.7	6.7	5.9	5.9	5.9	4.2	5.0	5.0	7.5	10.9	11.7
137.5°	5.0	5.0	5.0	5.9	5.0	4.2	4.2	5.0	6.7	8.4	9.2
140°	5.0	5.0	5.0	5.9	5.0	4.2	4.2	5.0	5.9	6.7	7.5
142.5°	5.0	5.0	5.0	5.9	5.0	3.3	4.2	5.0	5.9	6.7	6.7
145°	5.9	5.9	5.9	5.9	5.0	3.3	3.3	5.0	5.9	6.7	6.7
147.5°	6.7	6.7	5.9	5.9	5.0	2.5	2.5	5.0	5.9	6.7	6.7
150°	6.7	6.7	5.9	5.9	4.2	2.5	2.5	4.2	5.9	5.9	5.9
152.5°	5.0	5.0	5.0	5.0	4.2	1.7	1.7	3.3	5.0	5.0	5.0
155°	4.2	4.2	4.2	4.2	3.3	1.7	0.8	2.5	4.2	4.2	4.2
157.5°	2.5	3.3	3.3	4.2	3.3	1.7	0.8	1.7	3.3	3.3	3.3
160°	1.7	2.5	2.5	3.3	3.3	1.7	0.8	1.7	2.5	2.5	2.5
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)