

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: P417409

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417409
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-PA1-90-830-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 7377 lumens
Efficiency: N/A
Efficacy: 78.5 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 (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

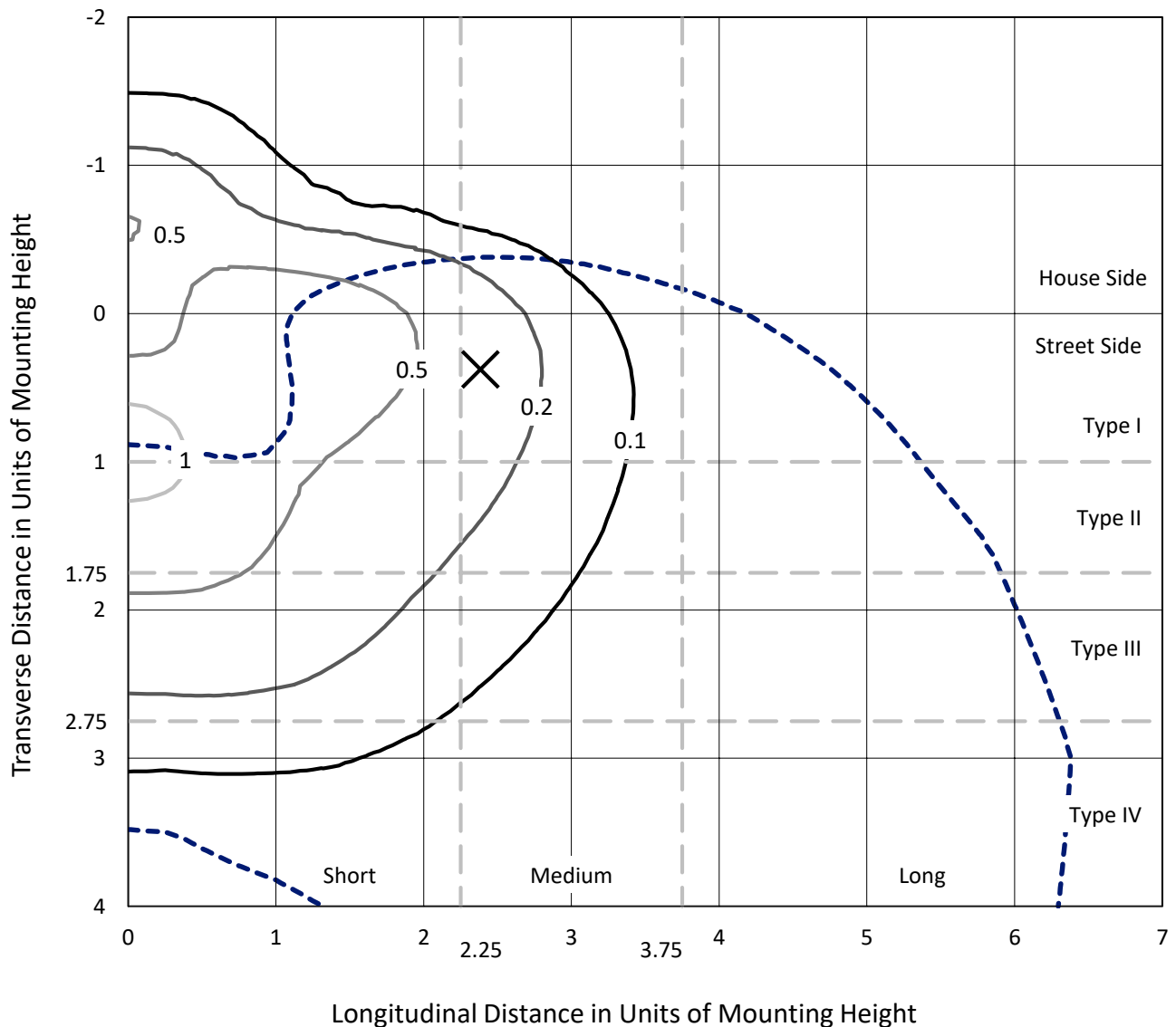


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

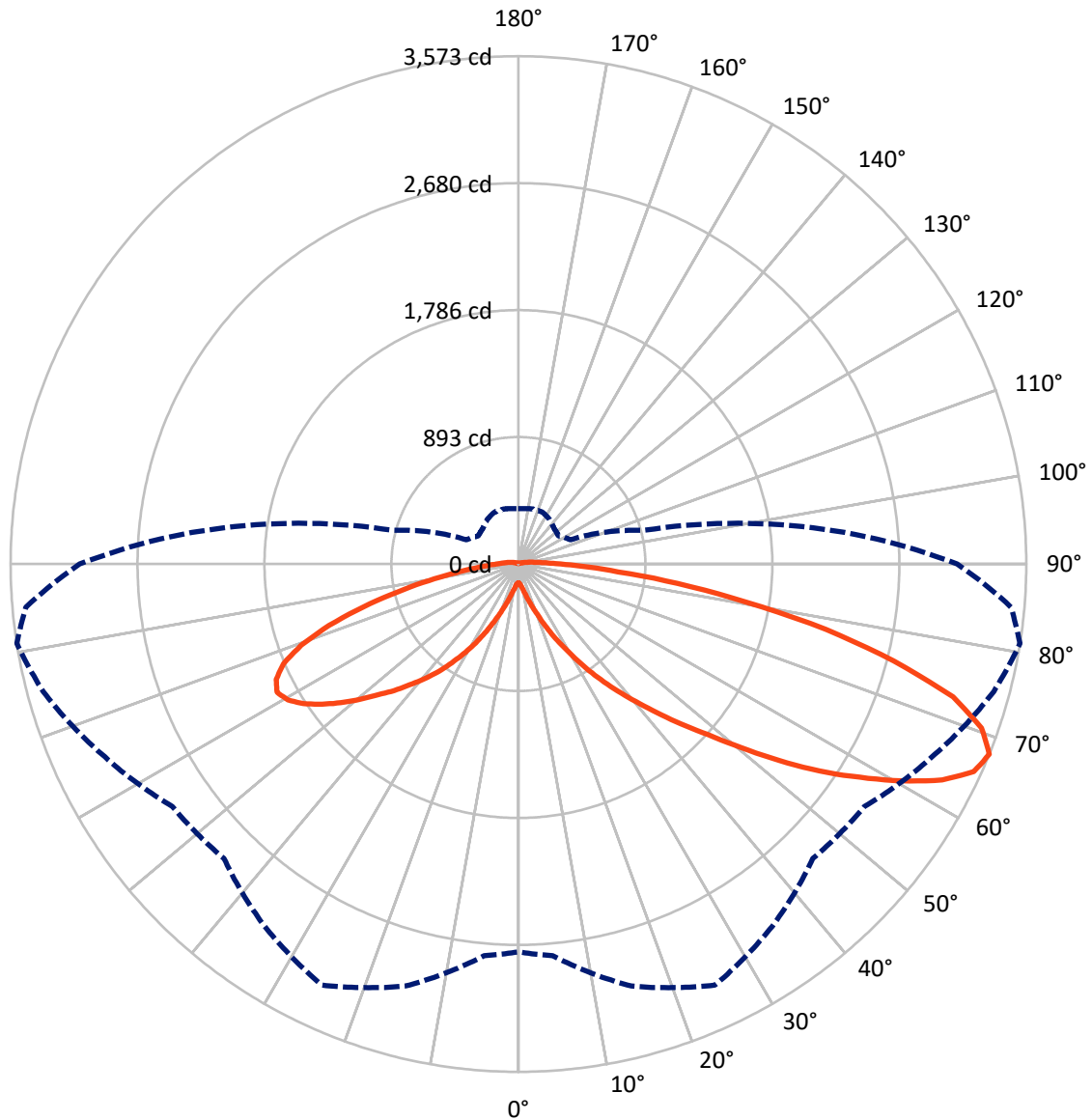


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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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	1614.8	114.8	1729.7
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5502.9	144.4	5647.3
	% Fixture	74.6	2.0	76.6
Total	Lumens	7117.8	259.3	7377.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.2
10°-20°	76.2	1.0
20°-30°	227.2	3.1
30°-40°	493.2	6.7
40°-50°	864.7	11.7
50°-60°	1370.4	18.6
60°-70°	1849.3	25.1
70°-80°	1586.7	21.5
80°-90°	634.8	8.6
90°-100°	154.5	2.1
100°-110°	54.3	0.7
110°-120°	24.9	0.3
120°-130°	13.4	0.2
130°-140°	7.5	0.1
140°-150°	3.5	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7117.8	96.5
0°-180°	7377.0	100.0



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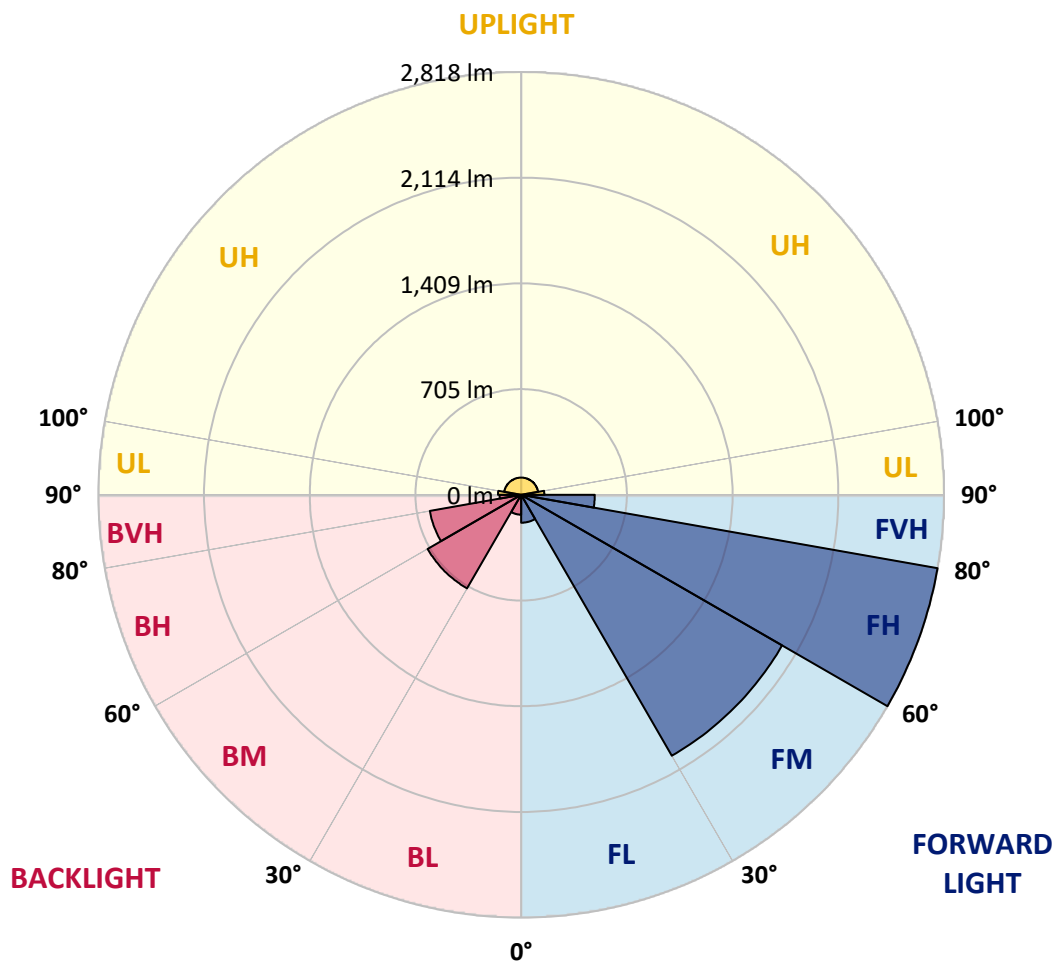
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.1	2.5			
FM (30°-60°)	2007.9	27.2			
FH (60°-80°)	2818.2	38.2			G2/5000
FVH (80°-90°)	490.7	6.7			G3/500
BL (0°-30°)	132.5	1.8	B1/500		
BM (30°-60°)	720.4	9.8	B1/1000		
BH (60°-80°)	617.8	8.4	B2/1000		G2/1000
BVH (80°-90°)	144.1	2.0			G2/225
UL (90°-100°)	154.5	2.1		U3/500	
UH (100°-180°)	114.8	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°	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8
2.5°	144.8	143.9	143.9	144.8	144.8	144.8	142.2	139.7	137.1	136.2	135.4
5°	164.5	162.8	162.8	162.8	161.9	159.4	155.9	152.5	149.1	147.4	145.7
7.5°	190.2	189.3	188.5	185.9	185.1	180.8	175.6	170.5	165.4	163.6	161.9
10°	225.3	224.5	220.2	219.3	215.0	210.8	203.1	195.3	188.5	185.9	183.3
12.5°	269.9	269.9	263.9	257.0	251.9	243.3	236.5	227.0	221.9	218.5	215.0
15°	328.1	324.7	317.0	309.3	295.6	285.3	275.0	269.9	266.5	262.2	257.0
17.5°	392.4	388.1	381.3	365.8	347.8	333.3	323.9	318.7	317.0	314.4	308.4
20°	469.5	464.4	454.9	431.0	411.2	391.5	380.4	377.8	379.5	375.3	369.3
22.5°	561.2	557.8	538.1	508.1	480.6	453.2	442.9	444.7	448.1	454.1	450.7
25°	665.7	657.1	638.3	595.5	550.0	523.5	513.2	520.9	536.3	544.9	538.1
27.5°	787.4	782.2	744.5	688.8	629.7	593.7	586.0	608.3	634.9	641.7	641.7
30°	915.9	919.3	864.5	798.5	724.0	674.3	664.9	696.6	742.0	746.2	757.4
32.5°	1078.7	1072.7	1015.3	907.3	819.1	754.8	748.8	793.4	850.8	873.0	873.0
35°	1249.2	1243.2	1172.9	1045.3	922.7	839.6	843.9	891.0	969.0	997.3	1001.6
37.5°	1445.4	1425.7	1349.4	1190.9	1035.8	938.2	930.5	1001.6	1093.2	1133.5	1133.5
40°	1661.3	1650.1	1543.9	1356.3	1151.5	1040.1	1034.1	1116.4	1227.8	1272.3	1280.9
42.5°	1871.2	1856.6	1758.1	1516.5	1285.2	1148.1	1148.9	1238.9	1366.5	1428.2	1439.4
45°	2093.1	2079.4	1971.4	1713.5	1429.9	1281.7	1271.4	1383.7	1536.2	1604.7	1617.6
47.5°	2290.1	2280.7	2187.3	1909.7	1609.9	1424.8	1411.1	1540.5	1717.0	1793.2	1831.8
50°	2504.3	2492.3	2405.0	2118.8	1788.9	1577.3	1576.5	1715.3	1936.3	2028.8	2060.5
52.5°	2678.3	2664.6	2603.7	2328.7	1966.3	1755.5	1741.0	1911.5	2163.3	2296.1	2311.6
55°	2838.5	2833.3	2812.8	2554.0	2182.2	1930.3	1939.7	2141.9	2422.1	2572.0	2595.2
57.5°	2954.1	2961.0	2970.4	2780.2	2393.8	2125.6	2142.8	2373.3	2691.1	2830.8	2862.5
60°	3033.0	3057.0	3119.5	2977.3	2609.7	2339.0	2368.1	2602.0	2949.9	3098.9	3124.6
62.5°	3039.0	3064.7	3210.3	3161.5	2817.1	2557.5	2590.9	2837.6	3181.2	3346.5	3349.1
65°	2925.0	2960.1	3193.2	3260.9	2999.5	2766.5	2796.5	3047.5	3374.8	3521.3	3468.2
67.5°	2728.8	2765.7	3074.1	3269.4	3112.6	2929.3	2972.1	3210.3	3462.2	3572.7	3478.5
70°	2444.4	2480.3	2805.1	3140.1	3133.2	3025.3	3081.8	3277.1	3445.9	3457.1	3324.3
72.5°	2070.8	2067.4	2417.8	2857.3	3019.3	3017.5	3107.5	3226.6	3260.0	3197.5	3000.4
75°	1585.9	1630.4	1950.0	2448.6	2759.7	2881.3	2972.1	3017.5	2921.6	2728.0	2514.6
77.5°	1136.1	1172.9	1463.4	1930.3	2374.1	2598.6	2698.8	2677.4	2439.2	2212.2	1967.1
80°	752.2	773.7	1016.1	1441.1	1914.0	2174.5	2295.3	2213.0	1910.6	1620.2	1408.5
82.5°	451.5	486.6	639.1	1012.7	1419.7	1718.7	1792.4	1655.3	1364.0	1127.5	972.4
85°	273.3	281.0	397.5	647.7	991.3	1236.3	1306.6	1159.2	897.0	704.3	584.3
87.5°	153.4	167.1	245.9	421.5	666.6	858.5	883.3	763.4	562.9	437.0	365.8
90°	90.0	99.4	150.8	261.3	425.0	555.2	562.0	461.8	333.3	263.0	233.9
92.5°	57.4	64.3	100.2	167.9	273.3	360.7	351.3	285.3	213.3	175.6	151.6
95°	41.1	44.6	70.3	115.7	183.3	227.0	223.6	179.1	143.1	122.5	111.4
97.5°	30.8	34.3	54.8	84.8	123.4	152.5	149.1	119.1	99.4	90.0	85.7
100°	25.7	27.4	44.6	66.8	91.7	109.7	108.0	88.2	74.5	67.7	66.0
102.5°	22.3	24.0	36.8	54.0	72.8	84.8	81.4	68.5	56.5	50.5	48.8
105°	19.7	20.6	31.7	46.3	60.0	66.8	66.0	54.8	43.7	37.7	36.8
107.5°	18.0	18.8	27.4	39.4	50.5	56.5	54.8	44.6	33.4	29.1	28.3
110°	16.3	17.1	24.0	34.3	42.8	48.0	45.4	36.8	26.6	22.3	22.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	15.4	15.4	21.4	29.1	36.8	41.1	38.6	30.0	20.6	18.0	18.8
115°	14.6	14.6	18.8	25.7	32.6	36.0	32.6	24.8	17.1	15.4	15.4
117.5°	13.7	13.7	17.1	23.1	29.1	31.7	28.3	21.4	14.6	12.9	13.7
120°	12.9	13.7	16.3	20.6	25.7	27.4	24.8	18.0	12.0	12.0	12.9
122.5°	12.9	12.9	15.4	18.8	23.1	24.0	21.4	15.4	11.1	11.1	11.1
125°	12.9	12.9	14.6	17.1	20.6	21.4	18.0	12.9	10.3	10.3	10.3
127.5°	12.9	12.9	13.7	16.3	18.0	18.8	16.3	12.0	9.4	9.4	10.3
130°	12.0	12.9	12.9	14.6	16.3	16.3	13.7	10.3	8.6	8.6	9.4
132.5°	12.0	12.0	12.9	13.7	14.6	14.6	12.0	9.4	7.7	8.6	8.6
135°	12.0	12.0	12.0	12.9	13.7	12.9	10.3	7.7	6.9	7.7	7.7
137.5°	11.1	11.1	11.1	12.0	12.0	11.1	9.4	6.9	6.9	6.9	6.9
140°	10.3	10.3	10.3	10.3	11.1	10.3	7.7	6.0	6.0	6.0	6.0
142.5°	9.4	9.4	9.4	9.4	9.4	8.6	6.9	5.1	5.1	5.1	5.1
145°	8.6	8.6	8.6	8.6	7.7	6.9	5.1	4.3	4.3	5.1	5.1
147.5°	6.9	6.9	6.9	6.9	6.9	6.0	4.3	3.4	4.3	4.3	4.3
150°	6.0	6.0	6.0	6.0	5.1	5.1	3.4	3.4	3.4	4.3	4.3
152.5°	4.3	4.3	4.3	5.1	4.3	3.4	2.6	2.6	3.4	3.4	3.4
155°	3.4	3.4	3.4	3.4	3.4	2.6	1.7	2.6	3.4	3.4	3.4
157.5°	1.7	2.6	2.6	2.6	2.6	2.6	1.7	2.6	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	2.6	2.6	1.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8	132.8
2.5°	135.4	134.5	133.7	132.8	131.9	131.9	131.1	130.2	129.4	128.5	128.5
5°	144.8	143.1	140.5	138.8	137.1	137.1	135.4	134.5	132.8	131.9	131.9
7.5°	159.4	158.5	153.4	150.8	148.2	147.4	145.7	143.9	142.2	142.2	142.2
10°	180.8	178.2	173.9	167.1	164.5	162.8	160.2	158.5	158.5	159.4	159.4
12.5°	213.3	206.5	200.5	191.1	185.9	182.5	180.8	181.6	185.9	187.6	185.9
15°	251.0	249.3	234.8	221.0	210.8	203.9	208.2	213.3	219.3	221.0	223.6
17.5°	303.3	297.3	277.6	257.9	239.0	235.6	240.8	249.3	256.2	261.3	265.6
20°	365.8	355.6	331.6	297.3	275.9	270.7	274.2	286.2	299.0	309.3	310.2
22.5°	444.7	429.2	386.4	343.6	311.9	303.3	307.6	326.4	345.3	358.1	357.3
25°	530.3	511.5	454.1	392.4	348.7	333.3	341.0	365.8	392.4	407.8	409.5
27.5°	626.3	607.4	527.8	439.5	382.1	359.0	371.8	400.1	436.1	454.9	458.4
30°	739.4	713.7	601.5	490.1	413.0	383.0	395.0	431.8	471.2	497.8	501.2
32.5°	856.8	816.5	675.1	531.2	434.4	398.4	412.1	454.9	500.4	529.5	534.6
35°	978.4	928.7	749.7	566.3	449.8	407.8	421.5	469.5	517.5	549.2	553.5
37.5°	1115.5	1049.5	817.4	592.9	458.4	410.4	424.1	472.1	520.9	551.8	556.0
40°	1253.5	1165.2	873.9	609.2	459.2	407.8	419.0	465.2	511.5	538.1	542.3
42.5°	1401.7	1286.9	930.5	613.4	454.9	401.0	410.4	451.5	490.9	511.5	514.1
45°	1567.9	1427.4	978.4	610.0	442.9	390.7	397.5	432.7	463.5	472.9	477.2
47.5°	1743.5	1566.2	1015.3	599.7	431.0	379.5	383.8	413.0	432.7	433.5	434.4
50°	1957.7	1735.0	1060.7	585.2	414.7	369.3	371.8	395.0	404.4	400.1	398.4
52.5°	2192.5	1915.7	1089.8	562.0	400.1	359.8	362.4	380.4	383.8	374.4	375.3
55°	2447.8	2084.5	1114.7	539.8	384.7	353.8	359.0	373.6	373.6	361.6	360.7
57.5°	2686.0	2256.7	1125.8	511.5	371.8	349.6	358.1	372.7	371.0	359.8	359.0
60°	2916.4	2397.2	1112.1	484.1	363.3	347.8	363.3	378.7	377.0	367.6	366.7
62.5°	3075.8	2485.5	1077.8	456.7	355.6	350.4	369.3	387.3	387.3	377.0	377.0
65°	3144.3	2475.2	1007.6	429.2	349.6	352.1	377.8	396.7	395.0	386.4	384.7
67.5°	3086.9	2381.8	913.3	402.7	344.4	353.8	382.1	401.8	400.1	390.7	389.0
70°	2902.7	2185.6	799.4	378.7	337.6	351.3	383.8	401.0	398.4	389.8	386.4
72.5°	2536.0	1880.6	680.3	355.6	327.3	345.3	378.7	394.1	391.5	384.7	380.4
75°	2088.8	1516.5	562.0	329.9	314.4	334.1	367.6	381.3	377.8	371.8	367.6
77.5°	1597.0	1145.5	464.4	305.9	299.0	319.6	352.1	362.4	359.0	353.8	351.3
80°	1130.1	815.6	373.6	279.3	276.7	297.3	324.7	335.9	334.1	329.0	324.7
82.5°	743.7	542.3	298.2	249.3	251.0	272.5	293.0	299.0	298.2	293.9	288.7
85°	458.4	357.3	234.8	215.0	222.8	239.9	257.0	257.9	255.3	254.5	246.7
87.5°	292.2	244.2	184.2	182.5	193.6	208.2	215.9	212.5	214.2	214.2	208.2
90°	190.2	171.4	147.4	152.5	164.5	175.6	179.1	169.6	174.8	172.2	169.6
92.5°	137.9	127.7	119.9	126.8	138.8	149.1	147.4	137.1	139.7	139.7	138.8
95°	104.5	99.4	100.2	107.1	116.5	123.4	119.9	111.4	112.2	110.5	108.0
97.5°	82.2	81.4	84.8	90.0	98.5	102.8	99.4	91.7	90.8	88.2	87.4
100°	65.1	66.0	71.1	77.1	82.2	85.7	83.1	75.4	72.0	67.7	66.8
102.5°	50.5	52.3	59.1	64.3	69.4	72.0	69.4	63.4	57.4	53.1	52.3
105°	39.4	41.1	48.8	54.0	58.3	60.0	58.3	51.4	45.4	40.3	40.3
107.5°	30.8	32.6	40.3	46.3	48.8	50.5	48.0	42.8	36.0	31.7	31.7
110°	24.8	26.6	33.4	38.6	41.1	42.8	40.3	34.3	29.1	25.7	25.7



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CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.7	22.3	27.4	32.6	35.1	36.0	33.4	29.1	23.1	21.4	21.4
115°	17.1	18.8	23.1	27.4	30.0	30.0	28.3	24.0	18.8	18.0	18.0
117.5°	14.6	16.3	19.7	24.0	25.7	25.7	24.0	19.7	16.3	15.4	15.4
120°	13.7	14.6	17.1	20.6	22.3	22.3	20.6	17.1	13.7	13.7	13.7
122.5°	12.0	12.9	15.4	18.0	19.7	19.7	18.0	14.6	12.0	12.9	12.9
125°	11.1	12.0	13.7	15.4	17.1	17.1	15.4	12.9	11.1	11.1	11.1
127.5°	10.3	11.1	12.0	13.7	14.6	14.6	13.7	11.1	10.3	10.3	10.3
130°	9.4	10.3	11.1	12.0	12.9	12.9	11.1	9.4	9.4	9.4	9.4
132.5°	9.4	9.4	9.4	10.3	11.1	11.1	10.3	8.6	8.6	8.6	8.6
135°	8.6	8.6	8.6	8.6	9.4	9.4	8.6	7.7	7.7	7.7	7.7
137.5°	7.7	7.7	7.7	7.7	8.6	8.6	7.7	6.9	6.9	6.9	6.9
140°	6.9	6.9	6.9	6.0	6.9	6.9	6.0	6.0	6.0	6.0	6.0
142.5°	5.1	6.0	5.1	5.1	5.1	5.1	5.1	4.3	5.1	5.1	5.1
145°	5.1	5.1	5.1	4.3	4.3	4.3	4.3	3.4	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	3.4	2.6	3.4	2.6	3.4	3.4	3.4	3.4
150°	4.3	4.3	3.4	3.4	2.6	1.7	1.7	2.6	2.6	2.6	2.6
152.5°	3.4	3.4	3.4	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
155°	3.4	3.4	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.6	2.6	2.6	1.7	0.9	0.9	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)