

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: P417352

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7132 lumens
Efficiency: N/A
Efficacy: 75.9 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

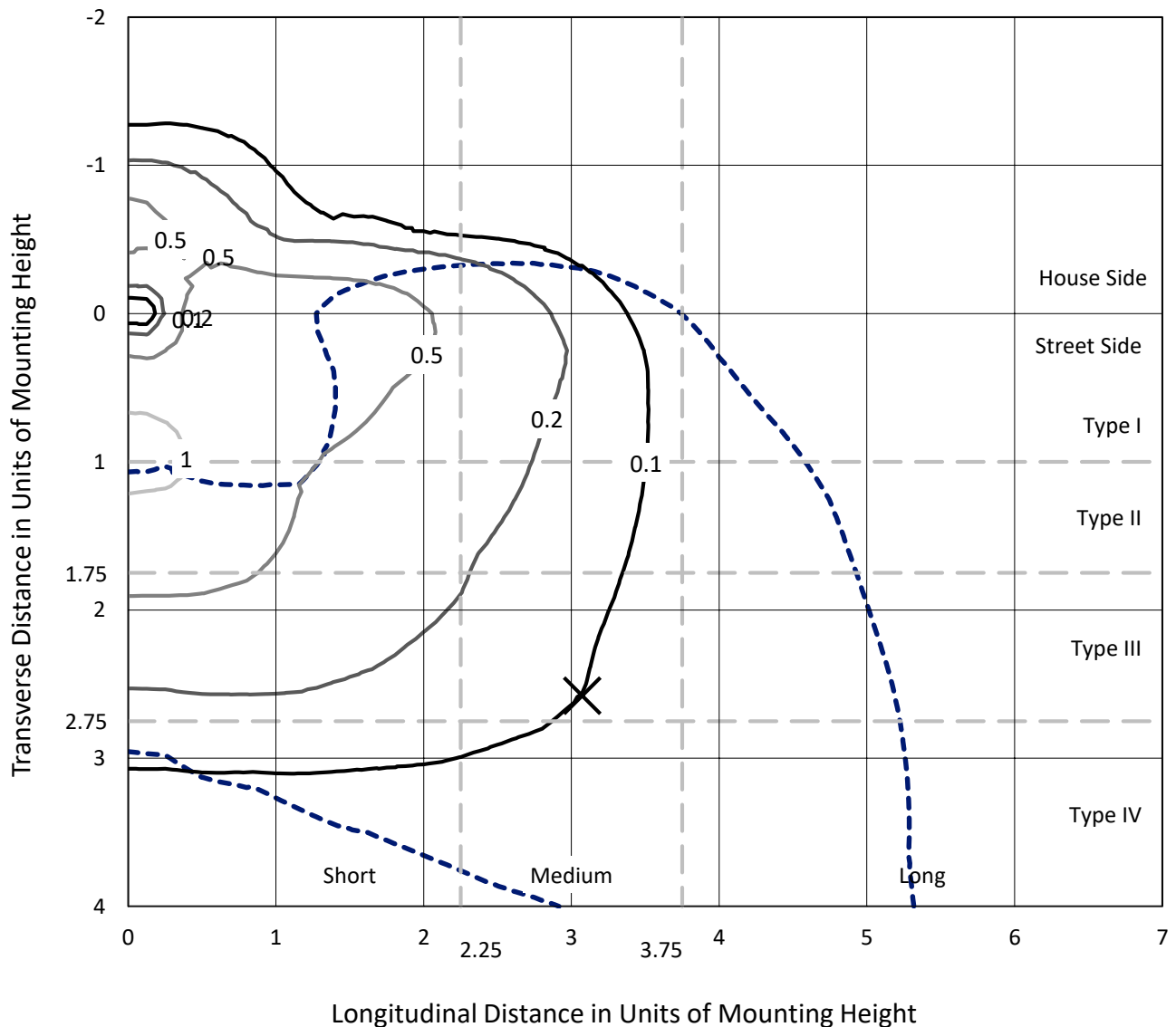


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

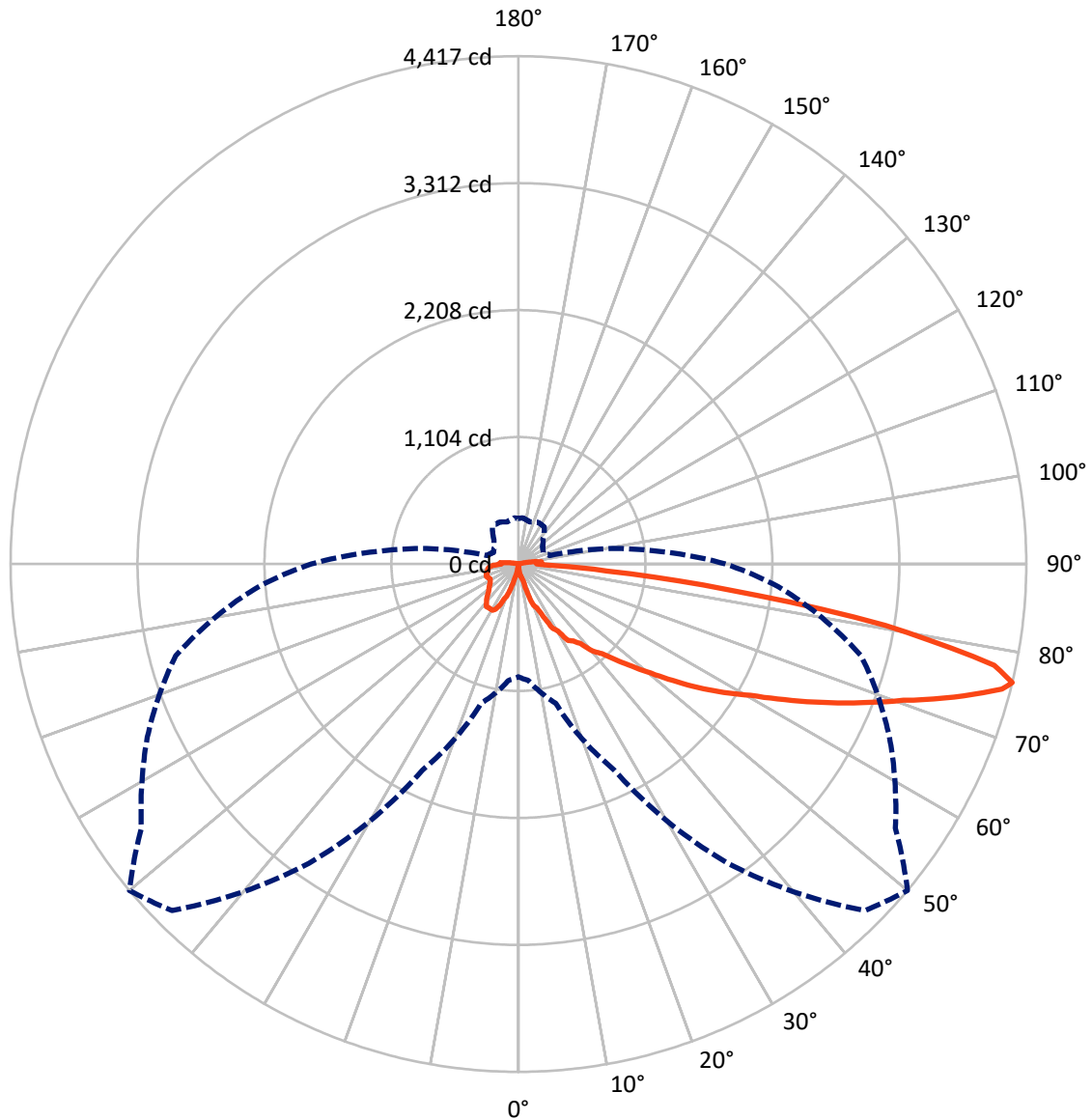


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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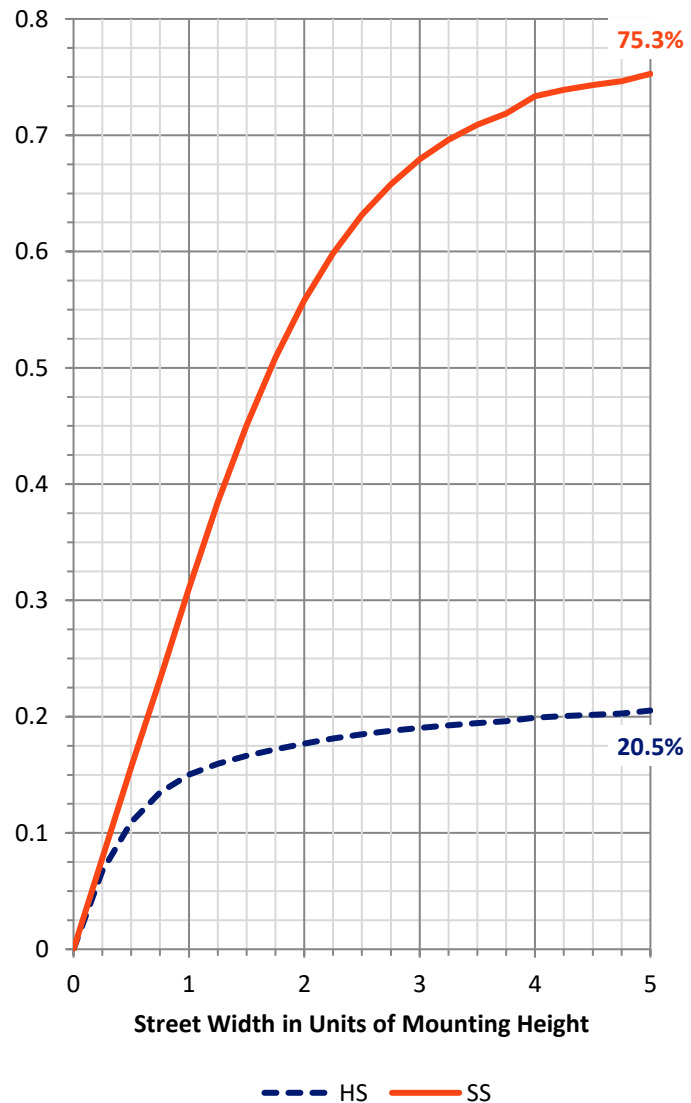
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1556.6	87.7	1644.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5417.3	70.4	5487.7
	% Fixture	76.0	1.0	76.9
Total	Lumens	6973.9	158.2	7132.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	59.5	0.8
20°-30°	232.7	3.3
30°-40°	500.8	7.0
40°-50°	815.9	11.4
50°-60°	1313.5	18.4
60°-70°	1913.2	26.8
70°-80°	1706.9	23.9
80°-90°	427.5	6.0
90°-100°	125.2	1.8
100°-110°	18.5	0.3
110°-120°	5.3	0.1
120°-130°	3.7	0.1
130°-140°	2.4	0.0
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6973.9	97.8
0°-180°	7132.0	100.0



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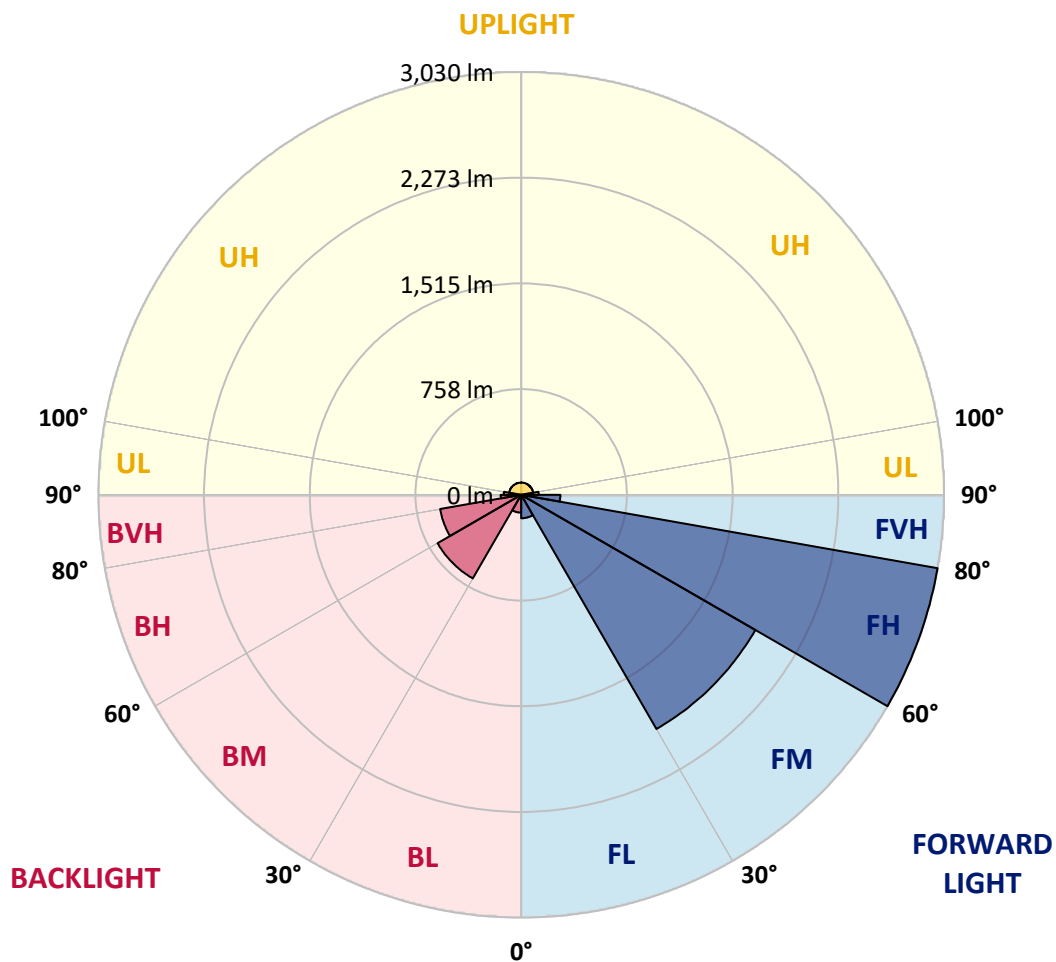
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.2	2.4			
FM	(30°-60°)	1938.0	27.2			
FH	(60°-80°)	3030.4	42.5			G2/5000
FVH	(80°-90°)	280.7	3.9			G3/500
BL	(0°-30°)	128.0	1.8	B1/500		
BM	(30°-60°)	692.1	9.7	B1/1000		
BH	(60°-80°)	589.7	8.3	B2/1000		G2/1000
BVH	(80°-90°)	146.8	2.1			G2/225
UL	(90°-100°)	125.2	1.8		U3/500	
UH	(100°-180°)	87.7	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	10.3	7.9	7.1	6.3	6.3	5.5	5.5	4.8	4.8	4.8	4.8
5°	99.9	96.7	89.6	83.2	28.5	23.8	19.8	15.1	5.5	5.5	4.8
7.5°	119.7	117.3	112.6	109.4	104.6	97.5	89.6	42.0	16.6	6.3	5.5
10°	156.9	145.0	135.5	127.6	122.1	110.2	107.0	100.7	27.7	11.9	8.7
12.5°	280.6	274.2	264.7	179.9	148.2	126.8	122.1	116.5	90.4	42.8	76.9
15°	309.1	302.8	293.3	281.4	263.9	156.1	146.6	182.3	233.0	175.2	183.1
17.5°	363.0	359.8	334.5	306.0	288.5	306.7	307.5	279.0	264.7	231.4	210.8
20°	503.3	500.1	485.9	413.0	326.6	387.6	386.0	371.7	297.2	341.6	367.8
22.5°	523.9	520.0	507.3	487.5	516.8	424.8	414.5	414.5	438.3	464.5	432.8
25°	689.6	685.6	588.9	512.8	554.0	505.7	507.3	561.2	485.1	509.7	486.7
27.5°	720.5	714.9	707.0	656.3	583.4	640.4	631.7	602.4	630.9	703.8	679.3
30°	841.0	779.9	753.8	724.5	688.8	678.5	674.5	727.6	748.2	743.5	750.6
32.5°	975.7	973.3	948.0	772.8	779.1	729.2	793.4	817.2	785.5	902.8	978.1
35°	1172.3	1091.4	1042.3	925.8	810.9	843.3	821.2	845.7	954.3	965.4	1037.5
37.5°	1473.5	1468.7	1356.2	1021.7	935.3	863.2	879.0	947.2	1018.5	1034.4	1131.9
40°	1722.4	1699.4	1628.0	1273.7	1016.9	933.7	997.1	982.1	1057.4	1112.8	1206.4
42.5°	1907.0	1928.4	1888.0	1474.3	1181.0	1045.5	1064.5	1044.7	1114.4	1218.3	1313.4
45°	2083.8	2075.1	2102.8	1678.0	1338.7	1188.9	1187.3	1139.0	1219.1	1335.6	1460.8
47.5°	2228.1	2215.4	2243.9	1899.1	1520.2	1318.9	1330.0	1267.4	1344.3	1482.2	1679.6
50°	2389.0	2364.4	2383.4	2084.6	1757.2	1506.8	1491.7	1443.4	1487.0	1674.8	1946.7
52.5°	2582.4	2564.9	2530.8	2269.3	2001.4	1700.2	1681.1	1634.4	1681.9	1914.2	2242.3
55°	2755.9	2736.1	2708.4	2523.7	2204.3	1896.7	1897.5	1850.8	1943.5	2175.7	2585.5
57.5°	2936.7	2927.1	2941.4	2808.3	2494.4	2102.0	2106.8	2078.3	2244.7	2444.4	2949.3
60°	3086.5	3072.2	3151.5	3099.1	2752.0	2336.6	2317.6	2348.5	2552.2	2725.0	3317.9
62.5°	3143.5	3153.0	3302.9	3367.1	3001.7	2589.5	2596.6	2638.6	2836.8	3061.1	3673.0
65°	2875.6	2908.9	3327.4	3413.8	3279.9	2870.1	2904.2	2897.0	3128.5	3308.4	3972.6
67.5°	2584.7	2622.8	3077.7	3425.7	3495.5	3199.8	3217.2	3146.7	3379.7	3463.0	4196.1
70°	2378.7	2408.0	2782.1	3358.3	3627.8	3543.8	3551.7	3421.0	3562.0	3644.5	4188.2
72.5°	2022.0	2052.9	2398.5	3103.9	3710.3	3960.7	3960.7	3672.2	3709.5	3640.5	3698.4
75°	1366.5	1378.4	1661.3	2409.6	3497.0	4300.8	4342.0	3946.5	3658.7	3306.8	2758.3
76°	981.3	1017.7	1254.7	1978.4	3176.0	4261.9	4416.5	4001.9	3559.7	3085.7	2270.1
77.5°	520.0	553.2	740.3	1266.6	2576.0	3963.1	4230.2	3831.5	3245.8	2648.9	1678.8
80°	203.7	201.3	254.4	451.0	1304.7	3014.3	3237.1	2824.1	2195.6	1534.5	797.4
82.5°	111.8	122.9	161.7	238.6	565.9	1662.9	1828.6	1490.1	1120.8	707.8	466.1
85°	71.3	72.9	95.1	147.4	349.5	700.7	769.6	638.1	524.7	434.4	331.3
87.5°	42.8	44.4	49.9	68.2	172.8	206.1	225.1	264.7	301.2	298.8	286.1
90°	29.3	29.3	24.6	26.9	80.8	164.9	158.5	168.8	153.8	195.0	275.8
92.5°	28.5	28.5	23.8	24.6	69.0	183.1	183.9	183.1	162.5	198.9	290.1
95°	25.4	26.2	20.6	21.4	50.7	171.2	201.3	195.0	164.1	200.5	289.3
97.5°	21.4	22.2	15.9	18.2	34.1	115.7	149.8	153.0	102.2	101.5	130.8
100°	15.9	16.6	11.1	14.3	20.6	53.1	80.1	75.3	50.7	27.7	18.2
102.5°	15.1	15.9	9.5	11.1	12.7	18.2	29.3	22.2	19.0	15.9	15.9
105°	16.6	16.6	8.7	7.9	7.9	8.7	7.1	10.3	11.1	11.9	16.6
107.5°	14.3	15.1	6.3	6.3	5.5	5.5	4.8	4.8	6.3	10.3	18.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.1	11.1	5.5	5.5	4.0	4.8	4.8	4.0	5.5	7.9	14.3
112.5°	6.3	7.1	3.2	4.8	3.2	4.0	4.0	3.2	4.8	5.5	7.9
115°	6.3	6.3	3.2	2.4	2.4	2.4	3.2	3.2	4.0	5.5	8.7
117.5°	6.3	6.3	3.2	2.4	1.6	2.4	2.4	2.4	4.0	5.5	8.7
120°	6.3	6.3	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.5	8.7
122.5°	7.1	6.3	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.5	7.9
125°	7.1	6.3	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	7.1
127.5°	7.1	6.3	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.3
130°	6.3	6.3	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.3
132.5°	6.3	5.5	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.0	5.5
135°	5.5	4.8	3.2	1.6	2.4	1.6	2.4	2.4	3.2	4.0	4.8
137.5°	4.8	4.8	3.2	2.4	2.4	2.4	2.4	2.4	3.2	4.0	4.0
140°	5.5	4.8	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0	4.0
142.5°	6.3	5.5	4.0	3.2	3.2	2.4	2.4	3.2	3.2	4.0	4.0
145°	6.3	6.3	4.8	4.0	2.4	2.4	2.4	3.2	4.0	4.0	4.8
147.5°	7.1	6.3	4.8	4.0	2.4	1.6	2.4	2.4	4.0	4.8	4.8
150°	6.3	6.3	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8	4.8
152.5°	4.8	4.8	3.2	1.6	0.8	0.8	1.6	2.4	3.2	4.0	4.8
155°	3.2	3.2	1.6	0.8	0.0	0.8	0.8	1.6	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.0	0.0	0.8	0.8	1.6	2.4	3.2	3.2
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	4.8	4.0	4.0	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0
5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	4.8	5.5	6.3	6.3
7.5°	4.8	4.8	4.8	4.0	4.8	6.3	25.4	72.9	80.1	84.8	86.4
10°	8.7	7.9	7.1	6.3	11.9	80.8	99.9	108.6	112.6	116.5	116.5
12.5°	83.2	83.2	34.1	19.0	81.6	108.6	114.1	120.5	126.0	131.6	132.4
15°	180.7	178.3	172.0	157.7	136.3	122.9	128.4	190.2	223.5	238.6	236.2
17.5°	206.9	203.7	199.7	227.5	237.0	189.4	221.1	245.7	252.8	260.8	260.0
20°	383.6	379.7	295.6	264.7	259.2	317.8	252.8	258.4	271.1	345.6	348.0
22.5°	429.6	424.8	395.5	403.4	302.8	344.8	333.7	349.5	390.0	401.9	403.4
25°	503.3	484.3	448.6	421.7	428.8	359.8	415.3	389.2	404.2	418.5	420.9
27.5°	696.7	685.6	622.2	472.4	437.5	450.2	432.8	423.3	505.7	535.8	538.2
30°	750.6	739.5	660.3	546.9	461.3	461.3	435.9	527.9	531.8	547.7	551.7
32.5°	1020.1	997.9	839.4	555.6	478.7	440.7	493.8	520.0	583.4	630.9	638.9
35°	1082.7	1063.7	866.3	634.9	462.9	458.9	466.1	547.7	594.5	623.0	629.3
37.5°	1147.7	1126.3	863.2	604.8	490.6	437.5	453.4	512.0	579.4	653.1	662.6
40°	1236.5	1210.3	867.1	565.9	459.7	413.7	425.6	491.4	537.4	583.4	591.3
42.5°	1355.4	1303.1	874.3	531.1	424.1	403.4	405.8	443.9	465.3	484.3	484.3
45°	1515.5	1430.7	876.6	494.6	388.4	379.7	382.8	400.3	408.2	396.3	390.8
47.5°	1730.3	1588.4	906.0	462.1	358.3	353.5	355.9	361.4	357.5	326.6	321.0
50°	1980.8	1773.9	921.8	433.6	336.1	335.3	331.3	331.3	317.0	282.2	279.8
52.5°	2257.4	1995.0	935.3	398.7	320.2	324.2	324.2	307.5	286.1	258.4	256.0
55°	2608.5	2250.3	955.1	368.6	306.7	306.0	314.7	294.1	271.9	248.1	248.1
57.5°	2957.3	2520.5	978.9	342.4	291.7	293.3	306.0	289.3	277.4	267.9	267.1
60°	3306.0	2799.5	940.8	318.6	286.1	283.0	303.6	307.5	293.3	298.8	304.4
62.5°	3633.4	2977.9	787.9	298.0	275.8	280.6	324.2	348.8	344.0	338.4	340.0
65°	3787.9	3014.3	638.9	279.8	268.7	297.2	357.5	394.7	378.9	360.6	359.1
67.5°	3814.1	2920.0	470.0	268.7	264.7	326.6	383.6	405.0	381.3	374.1	367.8
70°	3630.2	2680.6	375.7	256.8	267.9	331.3	400.3	402.7	385.2	393.1	385.2
72.5°	3087.3	2232.8	328.9	245.7	268.7	319.4	400.3	403.4	383.6	406.6	402.7
75°	2210.6	1565.4	292.5	236.2	260.0	306.0	394.7	402.7	378.9	404.2	397.9
76°	1800.8	1242.0	282.2	238.6	256.0	301.2	393.1	400.3	379.7	402.7	396.3
77.5°	1189.7	811.6	264.7	237.0	248.9	298.8	389.2	397.1	378.9	397.9	391.6
80°	636.5	459.7	238.6	221.1	240.2	300.4	386.0	389.2	363.8	385.2	377.3
82.5°	419.3	342.4	206.1	200.5	231.4	302.8	384.4	379.7	351.1	385.2	363.8
85°	328.9	283.0	154.6	160.9	210.8	292.5	379.7	366.2	340.0	349.5	336.9
87.5°	279.0	233.0	92.7	114.9	184.7	248.9	336.9	302.8	287.7	297.2	291.7
90°	262.4	206.1	52.3	80.8	138.7	165.7	212.4	197.4	191.0	202.1	199.7
92.5°	264.7	201.3	51.5	76.9	148.2	178.3	219.6	202.1	183.1	183.1	180.7
95°	252.8	187.9	50.7	61.0	134.0	173.6	206.1	181.5	147.4	140.3	137.9
97.5°	110.2	91.2	47.6	46.8	76.9	119.7	149.8	130.0	97.5	76.1	76.1
100°	18.2	29.3	41.2	45.2	45.2	63.4	84.8	80.1	46.8	24.6	25.4
102.5°	19.0	16.6	28.5	37.3	29.3	26.2	38.8	48.3	30.9	9.5	10.3
105°	19.8	17.4	14.3	26.2	16.6	8.7	11.9	22.2	14.3	9.5	9.5
107.5°	21.4	18.2	8.7	9.5	7.1	7.1	6.3	5.5	7.1	9.5	10.3



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.6	15.1	7.9	7.1	6.3	7.1	4.8	4.8	5.5	9.5	10.3
112.5°	9.5	9.5	7.1	5.5	5.5	6.3	4.0	4.0	5.5	10.3	10.3
115°	9.5	9.5	6.3	4.8	4.0	4.8	4.0	3.2	5.5	10.3	11.1
117.5°	9.5	9.5	6.3	4.8	4.0	3.2	3.2	3.2	5.5	10.3	11.1
120°	9.5	8.7	5.5	4.0	4.0	2.4	2.4	2.4	4.8	10.3	11.1
122.5°	8.7	8.7	5.5	4.0	3.2	2.4	2.4	2.4	4.8	9.5	10.3
125°	7.9	7.9	5.5	4.0	3.2	2.4	1.6	2.4	4.8	8.7	9.5
127.5°	7.1	7.1	4.8	4.0	3.2	2.4	1.6	2.4	4.8	8.7	9.5
130°	6.3	6.3	4.8	3.2	3.2	1.6	1.6	1.6	4.8	7.9	8.7
132.5°	5.5	5.5	4.0	3.2	2.4	1.6	0.8	1.6	4.0	7.1	7.1
135°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	5.5	6.3
137.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.8	4.8
140°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
142.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
145°	4.8	4.0	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
147.5°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
150°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.8
152.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.0	1.6	3.2	3.2
155°	4.0	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
157.5°	3.2	3.2	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	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)