

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: P417325

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417325
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-PA1-90-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA 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: 7017 lumens
Efficiency: N/A
Efficacy: 74.6 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

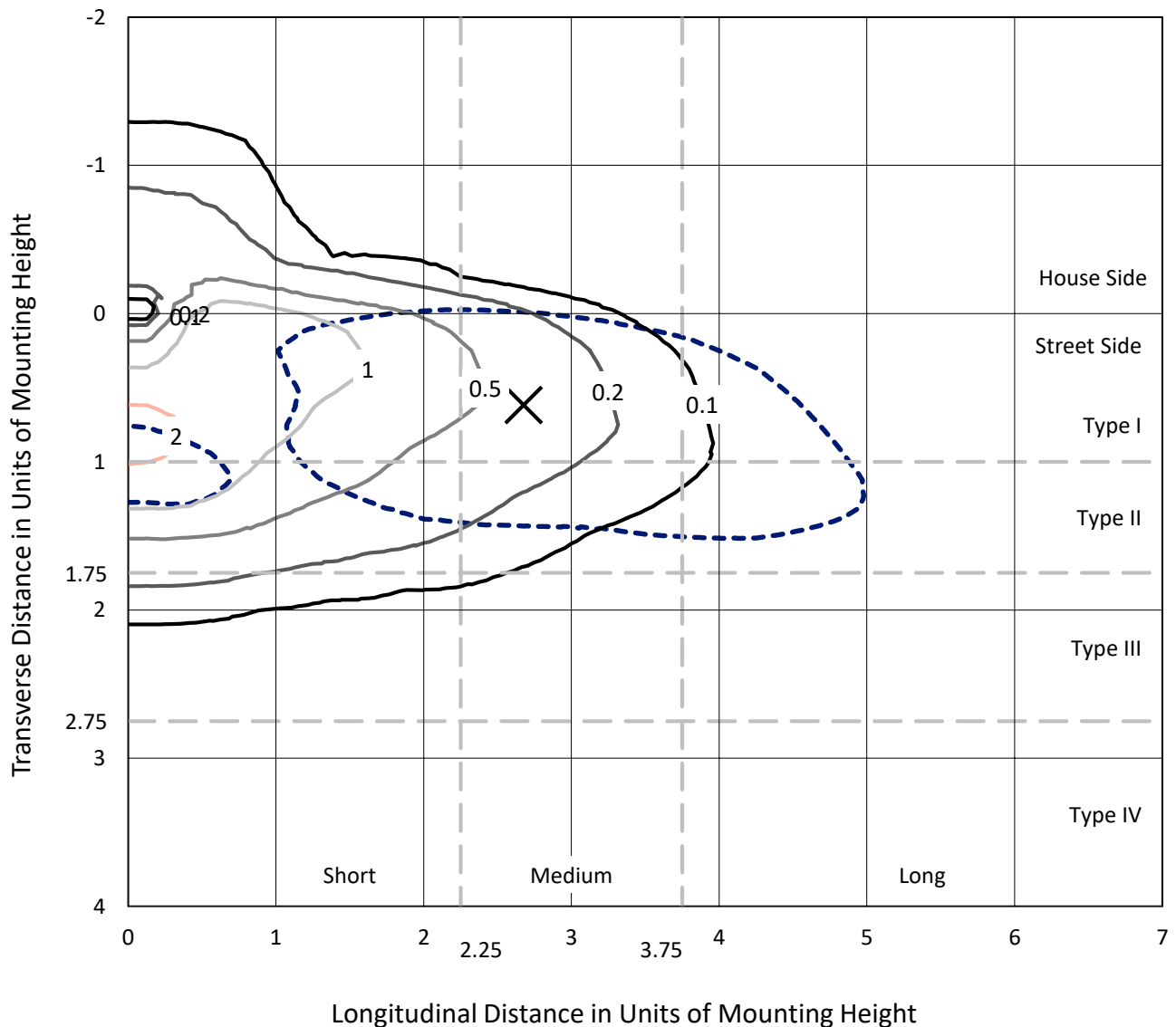
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

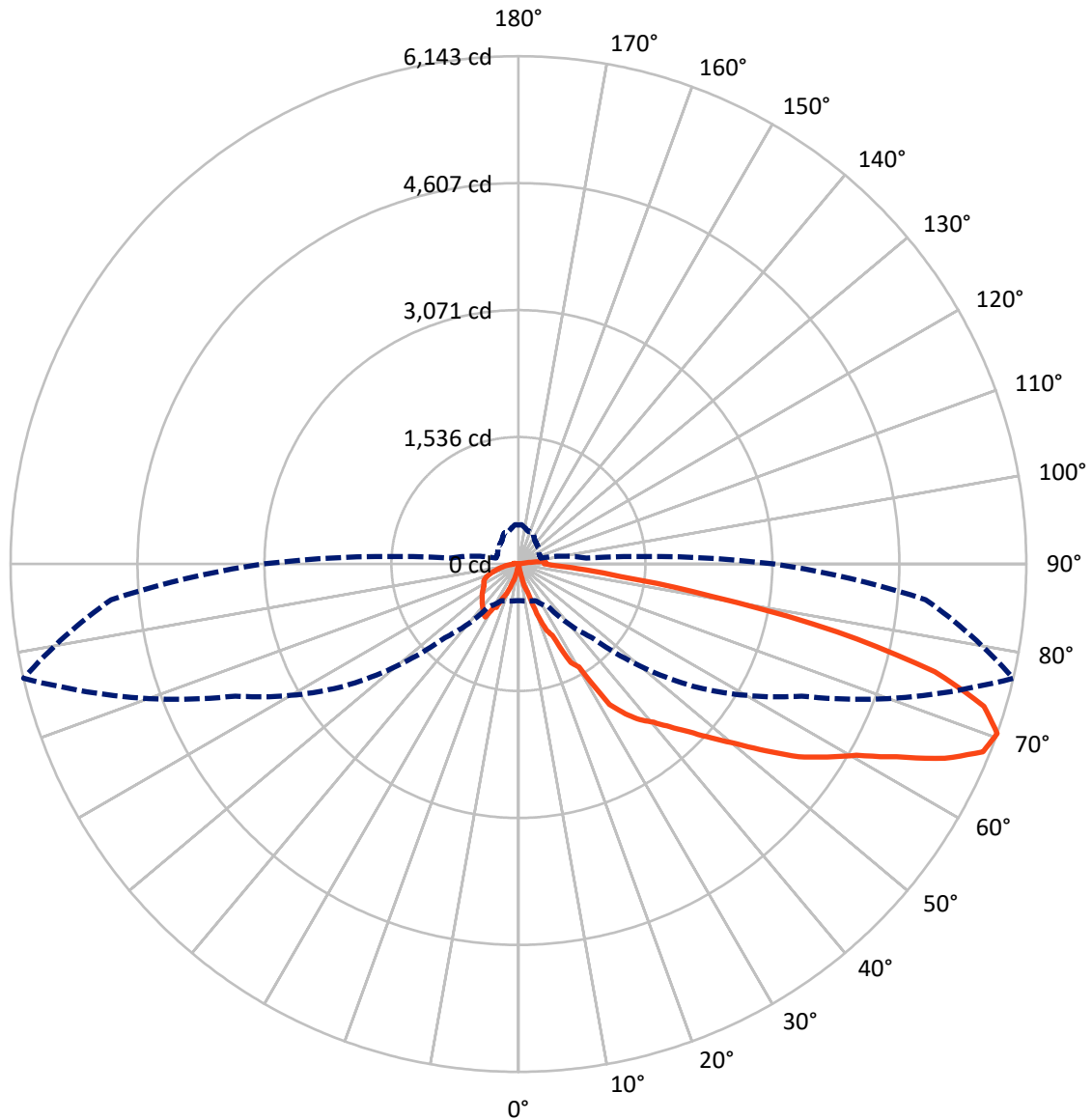


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - Non-Cutoff

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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	1186.8	52.0	1238.9
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5713.3	64.8	5778.1
	% Fixture	81.4	0.9	82.3
Total	Lumens	6900.1	116.9	7017.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	83.5	1.2
20°-30°	330.7	4.7
30°-40°	798.6	11.4
40°-50°	1291.7	18.4
50°-60°	1544.9	22.0
60°-70°	1510.8	21.5
70°-80°	1044.4	14.9
80°-90°	289.8	4.1
90°-100°	76.3	1.1
100°-110°	15.6	0.2
110°-120°	8.3	0.1
120°-130°	6.7	0.1
130°-140°	4.6	0.1
140°-150°	3.8	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6900.1	98.3
0°-180°	7017.0	100.0

Coefficient of Utilization



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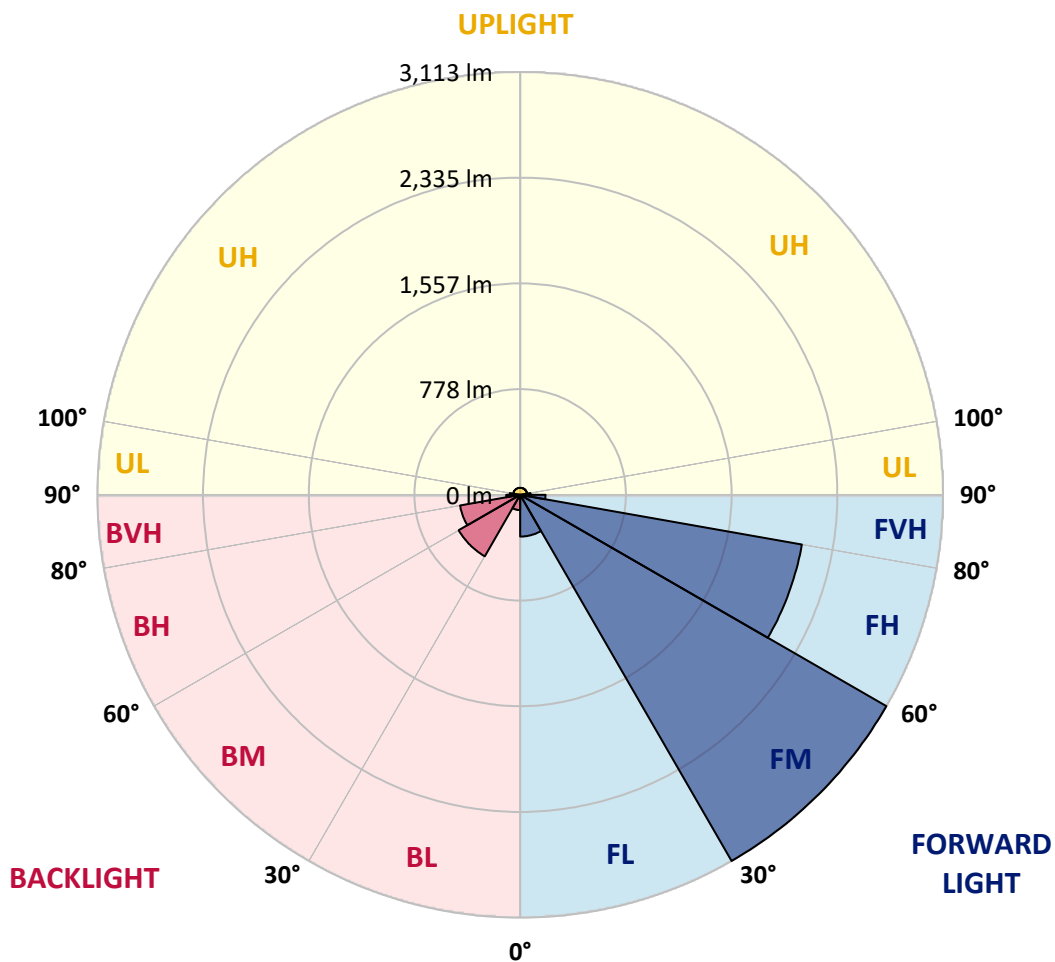
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.5	4.4			
FM (30°-60°)	3113.2	44.4			
FH (60°-80°)	2105.9	30.0			G2/5000
FVH (80°-90°)	186.7	2.7			G2/225
BL (0°-30°)	112.4	1.6	B1/500		
BM (30°-60°)	522.0	7.4	B1/1000		
BH (60°-80°)	449.3	6.4	B1/500		G1/500
BVH (80°-90°)	103.1	1.5			G2/225
UL (90°-100°)	76.3	1.1		U3/500	
UH (100°-180°)	52.0	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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	8.7	7.9	7.9	8.7	10.3	9.5	7.1	5.5	4.8	4.8	4.8
5°	172.0	166.4	162.5	114.9	25.4	15.1	9.5	7.1	5.5	5.5	4.8
7.5°	205.3	202.1	200.5	195.0	188.6	175.9	31.7	10.3	6.3	6.3	5.5
10°	232.2	229.8	226.7	223.5	214.8	206.1	188.6	26.2	10.3	10.3	8.7
12.5°	473.1	466.0	459.7	326.5	242.5	233.0	216.4	148.2	112.5	108.6	130.8
15°	485.8	485.8	485.8	489.8	482.6	259.9	354.2	443.8	293.2	283.7	293.2
17.5°	517.5	512.8	504.8	507.2	516.7	573.8	528.6	493.7	390.7	347.1	337.6
20°	774.3	770.3	772.7	716.4	550.8	722.8	718.0	556.3	634.8	643.5	626.9
22.5°	826.6	825.8	823.4	820.2	941.5	767.1	825.8	874.9	886.8	869.4	721.2
25°	1172.9	1164.2	1058.8	892.4	1008.9	923.3	1101.6	970.0	987.5	956.6	913.8
27.5°	1340.1	1321.9	1303.7	1253.7	1083.4	1233.9	1172.1	1279.1	1433.6	1351.2	1162.6
30°	1768.1	1778.4	1483.6	1466.9	1340.1	1308.4	1435.2	1503.4	1505.0	1444.7	1305.3
32.5°	2177.0	2149.3	2080.3	1783.9	1596.1	1465.3	1664.3	1600.9	1969.4	2026.4	1769.7
35°	2578.0	2524.1	2322.0	2120.7	1862.4	1806.1	1783.1	2004.2	2143.7	2225.4	1914.7
37.5°	3149.4	3110.6	2917.2	2391.0	2146.9	1944.0	2090.6	2133.4	2355.3	2390.2	2112.8
40°	3359.4	3333.3	3172.4	2759.5	2369.6	2169.9	2228.5	2288.8	2565.3	2517.0	2261.8
42.5°	3510.0	3500.5	3372.1	2952.1	2659.6	2394.2	2387.8	2418.7	2780.9	2692.1	2410.8
45°	3625.7	3612.2	3536.2	3075.7	2796.8	2532.8	2559.8	2578.8	2970.3	2892.6	2581.2
47.5°	3603.5	3609.1	3619.4	3229.5	2878.4	2668.4	2735.7	2716.7	3124.8	3143.1	2772.2
50°	3433.1	3444.2	3520.3	3291.3	2925.1	2779.3	2887.9	2870.5	3340.4	3416.5	2992.5
52.5°	2926.7	2944.9	3227.1	3195.4	2966.3	2866.5	3044.0	3048.0	3592.4	3754.1	3273.8
55°	2142.9	2211.9	2555.0	2877.6	2921.2	2894.2	3148.6	3273.0	3882.5	4115.5	3525.1
57.5°	1723.7	1709.4	1946.4	2416.3	2697.7	2860.2	3258.8	3473.6	4147.2	4405.5	3776.3
60°	1337.7	1342.5	1517.6	1854.5	2306.2	2776.1	3371.3	3654.2	4472.9	4697.2	4083.8
62.5°	996.2	1005.7	1132.5	1333.8	1859.2	2541.6	3406.2	3880.1	4925.4	5137.8	4455.5
65°	723.6	739.4	808.4	932.0	1343.3	2189.7	3300.0	4048.9	5427.1	5668.8	4852.5
67.5°	543.7	552.4	592.8	668.1	959.7	1738.0	3037.7	4038.6	5679.1	6059.5	5022.9
70°	442.2	446.2	461.2	488.2	630.0	1260.1	2577.2	3778.7	5733.0	6142.7	4943.6
72.5°	375.6	374.1	374.9	378.8	435.1	861.5	1990.8	3292.1	5526.9	5889.9	4586.2
75°	321.0	318.6	318.6	314.6	336.0	604.7	1371.0	2657.3	4979.3	5204.4	3863.5
77.5°	273.4	269.5	268.7	260.7	270.2	450.1	908.2	1978.9	3939.5	3943.5	2738.9
80°	233.0	225.9	222.7	217.1	228.2	343.2	592.8	1291.0	2410.0	2371.2	1520.0
82.5°	172.0	172.0	176.7	178.3	196.5	254.4	418.4	767.9	1315.6	1245.0	881.3
85°	99.1	107.8	127.6	130.0	150.6	168.8	314.6	454.9	736.2	710.1	451.7
87.5°	36.5	34.9	53.1	56.3	63.4	63.4	171.2	249.6	386.0	401.8	355.8
90°	30.1	30.1	20.6	19.0	24.6	41.2	115.7	175.1	290.1	311.5	336.0
92.5°	31.7	31.7	20.6	18.2	23.0	36.5	97.5	165.6	304.3	333.6	347.1
95°	30.1	30.9	18.2	16.6	21.4	30.9	72.9	141.9	292.4	320.2	339.2
97.5°	26.2	26.9	15.1	14.3	19.0	22.2	39.6	70.5	145.8	151.4	156.9
100°	21.4	21.4	11.1	11.9	15.1	15.1	20.6	37.2	35.7	29.3	25.4
102.5°	18.2	19.8	10.3	9.5	11.1	9.5	9.5	14.3	21.4	18.2	24.6
105°	15.1	16.6	8.7	7.9	8.7	7.9	6.3	10.3	15.9	18.2	26.2
107.5°	10.3	11.1	6.3	7.1	7.1	7.1	4.8	7.9	15.1	17.4	26.9
110°	7.1	7.1	4.8	6.3	6.3	7.1	4.8	7.9	11.9	13.5	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.8	4.8	4.0	4.8	5.5	5.5	4.8	7.1	10.3	11.1	15.1
115°	4.0	4.0	3.2	4.0	4.8	4.8	4.0	6.3	10.3	11.9	15.9
117.5°	4.8	4.0	3.2	4.0	4.8	4.0	4.0	5.5	10.3	11.9	15.9
120°	4.8	4.8	4.0	4.0	4.0	4.0	4.0	5.5	10.3	11.9	15.9
122.5°	5.5	4.8	4.0	4.0	4.0	4.0	4.0	4.8	9.5	11.1	15.1
125°	5.5	5.5	4.0	4.0	4.8	4.0	4.0	4.8	9.5	10.3	14.3
127.5°	6.3	5.5	4.8	4.0	4.8	4.0	4.0	4.8	8.7	9.5	12.7
130°	6.3	6.3	4.8	4.0	4.8	4.0	4.0	4.0	7.1	7.9	11.1
132.5°	6.3	6.3	5.5	4.8	5.5	4.8	4.0	4.0	5.5	6.3	8.7
135°	7.1	6.3	6.3	5.5	6.3	5.5	4.0	4.0	4.0	4.8	6.3
137.5°	7.1	7.1	7.1	6.3	7.1	5.5	4.0	4.0	4.0	4.0	4.8
140°	8.7	8.7	7.9	7.1	7.9	6.3	4.8	4.0	4.0	4.0	4.8
142.5°	10.3	10.3	9.5	8.7	7.9	6.3	5.5	4.8	4.8	4.8	4.8
145°	11.9	11.1	11.1	9.5	7.9	6.3	5.5	5.5	5.5	5.5	5.5
147.5°	11.9	11.9	11.1	8.7	7.1	4.8	4.8	6.3	6.3	6.3	6.3
150°	11.1	11.1	9.5	7.9	5.5	4.0	4.0	5.5	6.3	6.3	6.3
152.5°	8.7	7.9	7.1	4.8	4.0	2.4	3.2	4.0	4.8	4.8	5.5
155°	5.5	4.8	4.0	3.2	3.2	2.4	2.4	3.2	3.2	3.2	4.0
157.5°	2.4	2.4	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	0.8	0.8	0.8	0.8	2.4	2.4	2.4	1.6	1.6	1.6	1.6
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	4.8	4.8	4.8	4.8	4.8	4.0	4.8	5.5	6.3	6.3	6.3
5°	4.8	4.8	4.8	5.5	5.5	4.8	5.5	7.1	7.9	7.9	7.9
7.5°	5.5	4.8	5.5	6.3	6.3	6.3	27.7	80.0	88.8	90.3	91.9
10°	7.9	7.9	7.9	8.7	9.5	83.2	98.3	103.0	106.2	108.6	109.4
12.5°	120.5	105.4	65.8	17.4	84.0	103.0	108.6	116.5	120.5	125.2	123.6
15°	270.2	239.3	179.9	153.7	150.6	114.9	120.5	200.5	222.7	226.7	225.9
17.5°	305.9	263.1	200.5	214.0	222.7	172.8	202.9	224.3	228.2	232.2	231.4
20°	569.0	453.3	271.8	235.4	233.0	291.6	216.4	223.5	231.4	272.6	277.4
22.5°	631.6	521.5	355.8	344.7	281.3	296.4	282.1	286.1	310.7	310.7	309.1
25°	790.9	630.8	401.8	351.9	357.4	294.8	331.3	286.1	290.8	290.8	291.6
27.5°	1028.7	810.7	533.4	392.3	353.5	356.6	314.6	290.1	332.1	336.8	339.2
30°	1100.8	841.6	527.8	438.3	369.3	346.3	294.0	324.9	313.0	313.0	310.7
32.5°	1538.3	1148.3	657.0	428.7	378.8	321.8	325.7	305.9	300.4	324.9	324.9
35°	1624.6	1182.4	634.0	482.6	363.8	335.2	309.9	314.6	304.3	302.7	300.4
37.5°	1723.7	1206.2	582.5	453.3	384.4	321.8	320.2	308.3	294.8	313.8	317.0
40°	1818.0	1229.2	541.3	418.4	355.0	320.2	313.8	307.5	279.0	279.0	278.2
42.5°	1924.2	1244.2	504.0	390.7	326.5	321.0	303.5	283.7	264.7	270.2	268.7
45°	2034.4	1253.7	466.0	359.8	301.2	332.1	304.3	295.6	280.5	282.9	280.5
47.5°	2169.9	1269.6	432.7	329.7	285.3	304.3	287.7	283.7	292.4	284.5	289.3
50°	2314.1	1278.3	401.8	303.5	269.5	295.6	298.0	286.1	292.4	279.0	278.2
52.5°	2486.9	1286.2	368.5	286.1	267.1	294.0	312.2	299.6	288.5	271.0	269.5
55°	2639.0	1260.9	340.0	275.0	282.9	290.8	324.1	309.1	286.1	266.3	267.1
57.5°	2804.7	1228.4	317.0	270.2	279.8	285.3	340.8	322.5	296.4	297.2	298.0
60°	2975.9	1197.5	302.7	269.5	275.8	287.7	343.2	340.8	309.9	317.0	322.5
62.5°	3180.3	1172.9	300.4	275.0	290.1	300.4	345.5	370.1	343.2	346.3	347.9
65°	3340.4	1101.6	298.0	278.2	295.6	302.7	346.3	390.7	378.8	397.0	395.5
67.5°	3291.3	970.0	294.0	281.3	299.6	315.4	345.5	405.8	404.2	446.2	442.2
70°	3090.8	824.2	281.3	277.4	301.2	321.8	346.3	409.7	416.9	476.3	472.3
72.5°	2753.2	664.9	258.4	266.3	301.9	329.7	356.6	410.5	418.4	502.4	490.6
75°	2303.8	537.3	224.3	240.9	311.5	334.4	359.0	402.6	402.6	481.8	466.8
77.5°	1657.9	413.7	193.4	218.7	308.3	331.3	351.9	384.4	378.8	416.9	402.6
80°	966.1	305.1	164.8	214.8	289.3	324.9	332.1	339.2	313.0	321.8	313.0
82.5°	580.1	225.9	142.7	192.6	254.4	292.4	298.0	286.1	251.2	250.4	238.5
85°	347.9	154.5	104.6	149.0	200.5	244.1	250.4	217.1	184.7	203.7	182.3
87.5°	256.8	97.5	72.1	92.7	122.0	114.1	149.0	140.3	119.7	114.9	113.3
90°	231.4	74.5	59.4	75.3	82.4	70.5	76.1	76.1	61.8	61.0	57.9
92.5°	229.0	69.7	63.4	73.7	66.6	56.3	61.8	61.0	49.1	46.8	44.4
95°	214.0	62.6	63.4	66.6	58.6	46.0	49.9	46.8	34.9	32.5	30.1
97.5°	100.6	43.6	60.2	57.9	48.3	35.7	41.2	35.7	24.6	21.4	21.4
100°	23.8	37.2	51.5	52.3	38.8	26.9	28.5	23.0	15.9	13.5	13.5
102.5°	23.8	16.6	31.7	41.2	23.8	11.1	15.9	15.1	11.9	11.9	12.7
105°	23.8	15.9	15.9	26.9	14.3	7.1	7.1	9.5	10.3	13.5	15.1
107.5°	24.6	16.6	12.7	12.7	10.3	7.1	6.3	7.1	10.3	15.9	16.6
110°	20.6	15.1	11.9	11.1	10.3	7.1	5.5	7.1	10.3	17.4	19.0



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.1	13.5	10.3	10.3	8.7	7.1	5.5	6.3	11.1	19.0	20.6
115°	15.1	12.7	9.5	8.7	7.1	6.3	5.5	6.3	11.9	20.6	22.2
117.5°	15.9	12.7	8.7	7.9	6.3	4.8	4.8	6.3	11.9	21.4	23.0
120°	15.9	12.7	8.7	7.9	6.3	4.8	4.8	7.1	12.7	20.6	22.2
122.5°	15.1	12.7	8.7	7.9	6.3	4.0	4.8	6.3	11.9	19.8	21.4
125°	13.5	11.9	8.7	7.1	6.3	4.0	4.8	6.3	11.9	19.0	19.8
127.5°	12.7	11.1	7.9	7.1	5.5	4.0	4.8	6.3	11.1	17.4	18.2
130°	11.1	10.3	7.1	6.3	5.5	4.0	4.8	6.3	11.1	15.9	16.6
132.5°	8.7	7.9	6.3	5.5	5.5	4.0	4.8	5.5	8.7	13.5	14.3
135°	6.3	6.3	5.5	5.5	5.5	4.0	4.8	4.8	7.1	10.3	11.1
137.5°	4.8	4.8	4.8	5.5	4.8	4.0	4.0	4.8	6.3	7.9	8.7
140°	4.8	4.8	4.8	5.5	4.8	4.0	4.0	4.8	5.5	6.3	7.1
142.5°	4.8	4.8	4.8	5.5	4.8	3.2	4.0	4.8	5.5	6.3	6.3
145°	5.5	5.5	5.5	5.5	4.8	3.2	3.2	4.8	5.5	6.3	6.3
147.5°	6.3	6.3	5.5	5.5	4.8	2.4	2.4	4.8	5.5	6.3	6.3
150°	6.3	6.3	5.5	5.5	4.0	2.4	2.4	4.0	5.5	5.5	5.5
152.5°	4.8	4.8	4.8	4.8	4.0	1.6	1.6	3.2	4.8	4.8	4.8
155°	4.0	4.0	4.0	4.0	3.2	1.6	0.8	2.4	4.0	4.0	4.0
157.5°	2.4	3.2	3.2	4.0	3.2	1.6	0.8	1.6	3.2	3.2	3.2
160°	1.6	2.4	2.4	3.2	3.2	1.6	0.8	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

(END OF REPORT)