

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: P416077

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416077
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-PA1-60-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5310 lumens
Efficiency: N/A
Efficacy: 83.0 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): 64
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

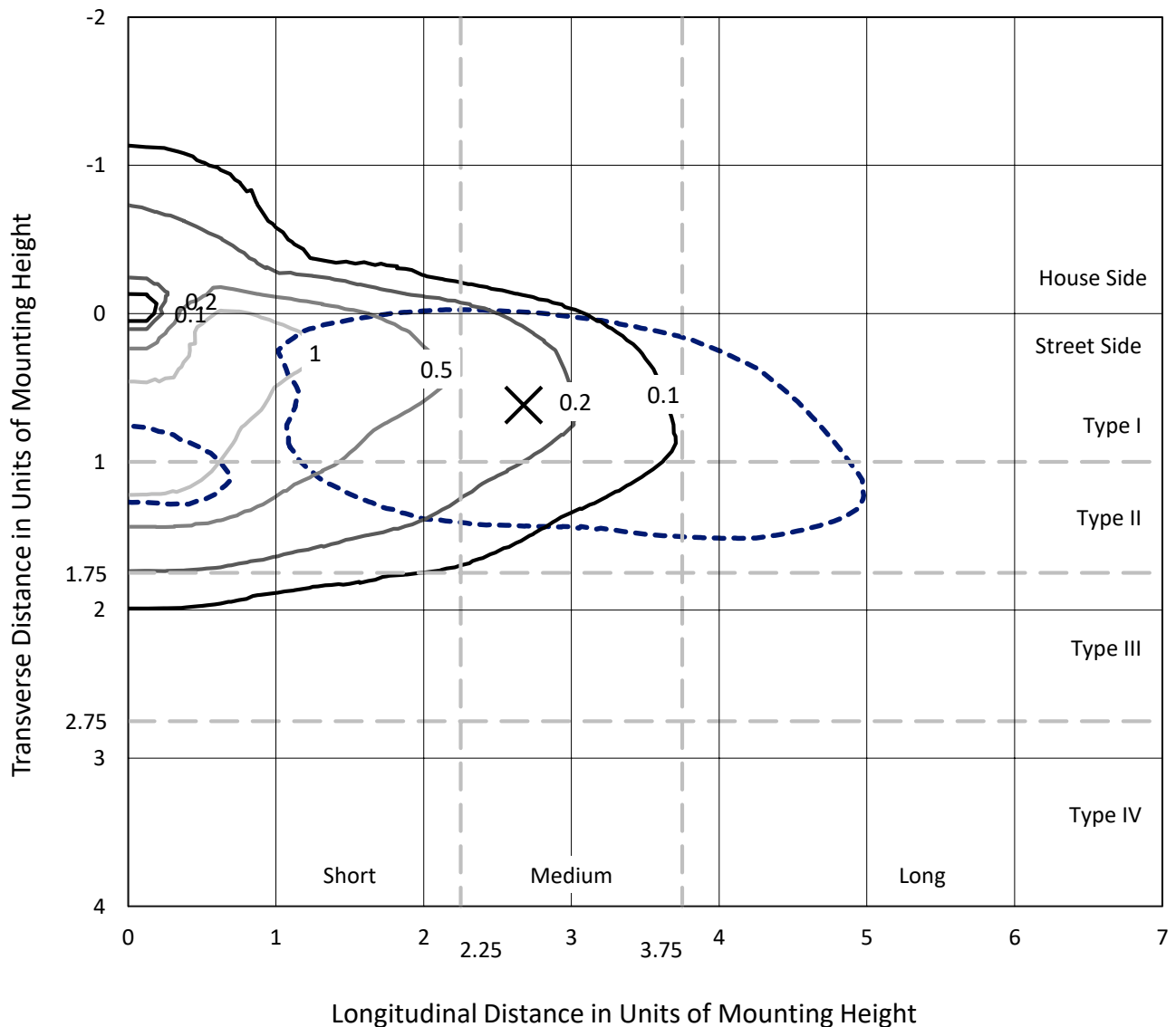


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

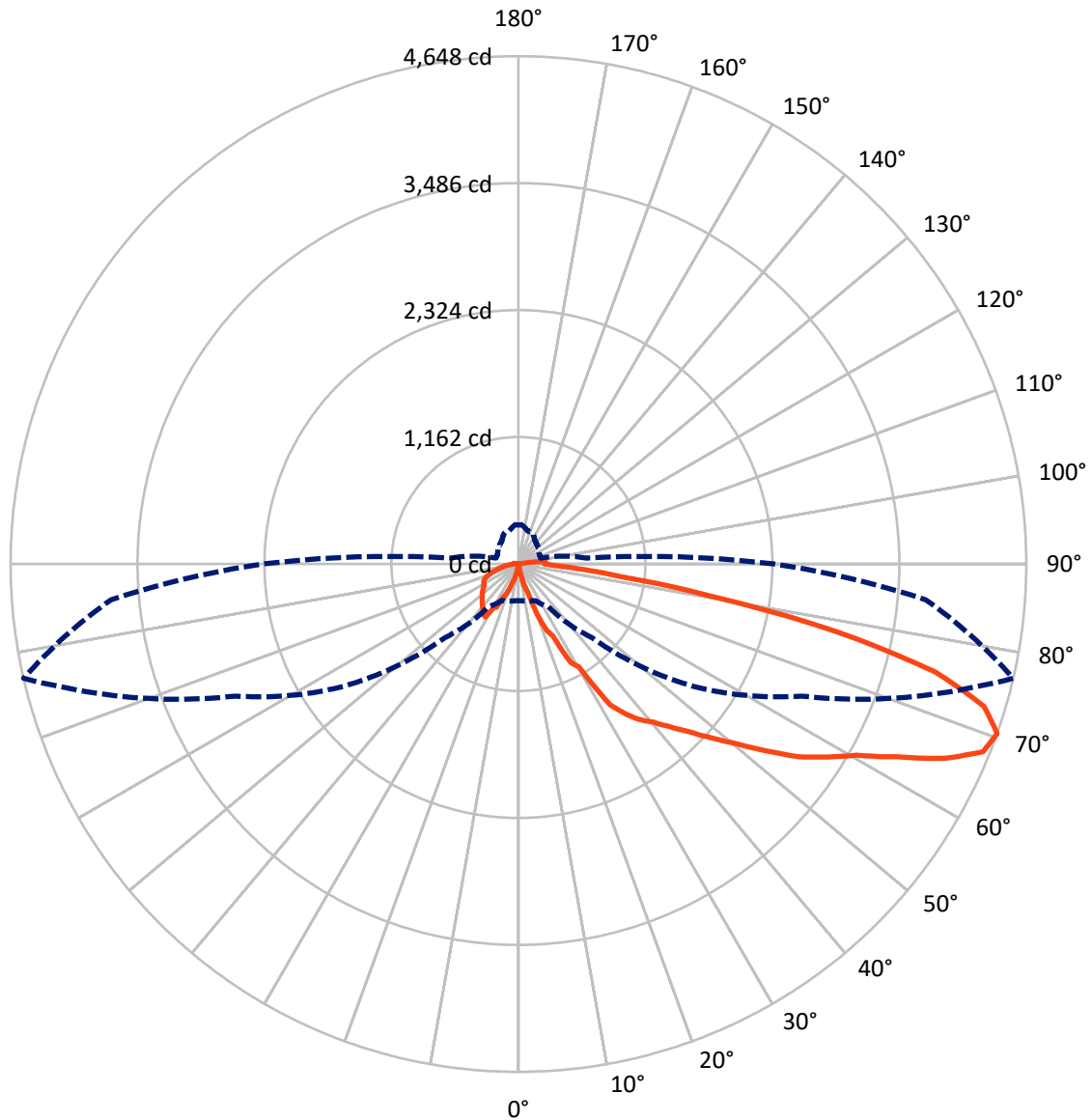


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - Non-Cutoff

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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	898.1	39.4	937.5
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	4323.4	49.1	4372.5
	% Fixture	81.4	0.9	82.3
Total	Lumens	5221.6	88.5	5310.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	63.2	1.2
20°-30°	250.2	4.7
30°-40°	604.4	11.4
40°-50°	977.5	18.4
50°-60°	1169.1	22.0
60°-70°	1143.3	21.5
70°-80°	790.3	14.9
80°-90°	219.3	4.1
90°-100°	57.7	1.1
100°-110°	11.8	0.2
110°-120°	6.3	0.1
120°-130°	5.0	0.1
130°-140°	3.4	0.1
140°-150°	2.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5221.6	98.3
0°-180°	5310.0	100.0



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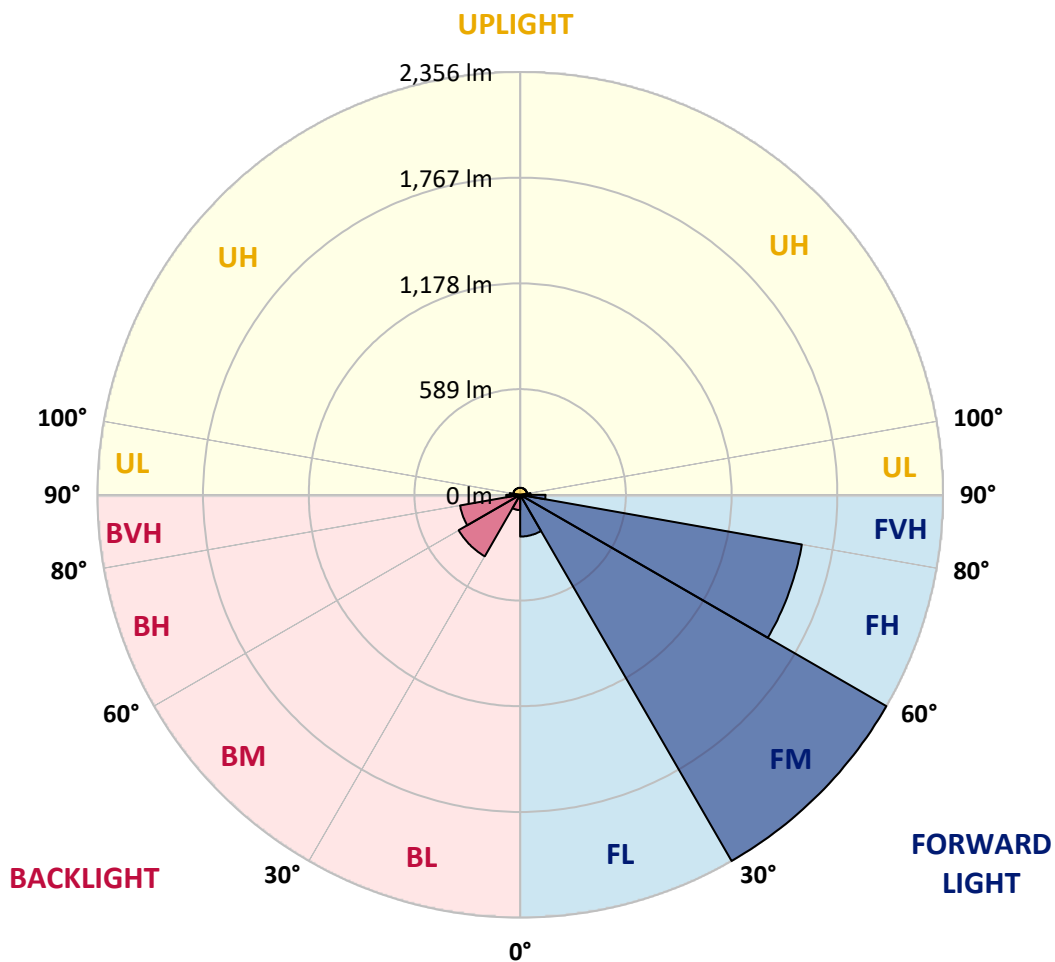
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.7	4.4			
FM (30°-60°)	2355.9	44.4			
FH (60°-80°)	1593.6	30.0			G1/1800
FVH (80°-90°)	141.3	2.7			G2/225
BL (0°-30°)	85.0	1.6	B0/110		
BM (30°-60°)	395.0	7.4	B1/1000		
BH (60°-80°)	340.0	6.4	B1/500		G1/500
BVH (80°-90°)	78.0	1.5			G1/100
UL (90°-100°)	57.7	1.1		U3/500	
UH (100°-180°)	39.4	0.7		U2/50	

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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	6.6	6.0	6.0	6.6	7.8	7.2	5.4	4.2	3.6	3.6	3.6
5°	130.1	125.9	122.9	87.0	19.2	11.4	7.2	5.4	4.2	4.2	3.6
7.5°	155.3	152.9	151.7	147.5	142.7	133.1	24.0	7.8	4.8	4.8	4.2
10°	175.7	173.9	171.5	169.1	162.5	155.9	142.7	19.8	7.8	7.8	6.6
12.5°	358.0	352.6	347.8	247.1	183.5	176.3	163.7	112.1	85.2	82.2	99.0
15°	367.6	367.6	367.6	370.6	365.2	196.7	268.1	335.8	221.9	214.7	221.9
17.5°	391.6	388.0	382.0	383.8	391.0	434.2	400.0	373.6	295.7	262.7	255.5
20°	585.9	582.9	584.7	542.1	416.8	546.9	543.3	421.0	480.4	487.0	474.4
22.5°	625.5	624.9	623.1	620.7	712.5	580.5	624.9	662.1	671.1	657.9	545.7
25°	887.6	881.0	801.2	675.3	763.4	698.7	833.6	734.1	747.2	723.9	691.5
27.5°	1014.1	1000.3	986.5	948.7	819.8	933.8	887.0	967.9	1084.9	1022.5	879.8
30°	1338.0	1345.8	1122.7	1110.1	1014.1	990.1	1086.1	1137.7	1138.9	1093.3	987.7
32.5°	1647.4	1626.4	1574.3	1350.0	1207.8	1108.9	1259.4	1211.4	1490.3	1533.5	1339.2
35°	1950.9	1910.1	1757.2	1604.8	1409.3	1366.8	1349.4	1516.7	1622.2	1684.0	1448.9
37.5°	2383.3	2353.9	2207.6	1809.3	1624.6	1471.1	1582.0	1614.4	1782.4	1808.7	1598.8
40°	2542.2	2522.4	2400.7	2088.2	1793.1	1642.0	1686.4	1732.0	1941.3	1904.7	1711.6
42.5°	2656.1	2648.9	2551.8	2233.9	2012.6	1811.7	1806.9	1830.3	2104.4	2037.2	1824.3
45°	2743.7	2733.5	2675.9	2327.5	2116.4	1916.7	1937.1	1951.5	2247.7	2189.0	1953.3
47.5°	2726.9	2731.1	2738.9	2443.8	2178.2	2019.2	2070.2	2055.8	2364.7	2378.5	2097.8
50°	2598.0	2606.4	2663.9	2490.6	2213.5	2103.2	2185.4	2172.2	2527.8	2585.4	2264.5
52.5°	2214.7	2228.5	2442.0	2418.1	2244.7	2169.2	2303.5	2306.5	2718.5	2840.9	2477.4
55°	1621.6	1673.8	1933.5	2177.6	2210.6	2190.2	2382.7	2476.8	2938.0	3114.3	2667.5
57.5°	1304.4	1293.6	1472.9	1828.5	2041.4	2164.4	2466.0	2628.6	3138.3	3333.8	2857.6
60°	1012.3	1015.9	1148.5	1403.3	1745.2	2100.8	2551.2	2765.3	3384.8	3554.5	3090.3
62.5°	753.8	761.0	857.0	1009.3	1406.9	1923.3	2577.6	2936.2	3727.2	3888.0	3371.6
65°	547.5	559.5	611.7	705.3	1016.5	1657.0	2497.2	3063.9	4106.9	4289.8	3672.1
67.5°	411.4	418.0	448.6	505.6	726.3	1315.2	2298.7	3056.1	4297.6	4585.4	3801.0
70°	334.6	337.6	349.0	369.4	476.8	953.5	1950.3	2859.4	4338.3	4648.4	3741.0
72.5°	284.3	283.1	283.7	286.7	329.2	651.9	1506.5	2491.2	4182.4	4457.1	3470.6
75°	242.9	241.1	241.1	238.1	254.3	457.6	1037.5	2010.8	3768.0	3938.3	2923.6
77.5°	206.9	203.9	203.3	197.3	204.5	340.6	687.3	1497.5	2981.2	2984.2	2072.6
80°	176.3	170.9	168.5	164.3	172.7	259.7	448.6	976.9	1823.7	1794.3	1150.3
82.5°	130.1	130.1	133.7	134.9	148.7	192.5	316.6	581.1	995.5	942.2	666.9
85°	75.0	81.6	96.6	98.4	113.9	127.7	238.1	344.2	557.1	537.3	341.8
87.5°	27.6	26.4	40.2	42.6	48.0	48.0	129.5	188.9	292.1	304.1	269.3
90°	22.8	22.8	15.6	14.4	18.6	31.2	87.6	132.5	219.5	235.7	254.3
92.5°	24.0	24.0	15.6	13.8	17.4	27.6	73.8	125.3	230.3	252.5	262.7
95°	22.8	23.4	13.8	12.6	16.2	23.4	55.2	107.3	221.3	242.3	256.7
97.5°	19.8	20.4	11.4	10.8	14.4	16.8	30.0	53.4	110.3	114.5	118.7
100°	16.2	16.2	8.4	9.0	11.4	11.4	15.6	28.2	27.0	22.2	19.2
102.5°	13.8	15.0	7.8	7.2	8.4	7.2	7.2	10.8	16.2	13.8	18.6
105°	11.4	12.6	6.6	6.0	6.6	6.0	4.8	7.8	12.0	13.8	19.8
107.5°	7.8	8.4	4.8	5.4	5.4	5.4	3.6	6.0	11.4	13.2	20.4
110°	5.4	5.4	3.6	4.8	4.8	5.4	3.6	6.0	9.0	10.2	16.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.6	3.6	3.0	3.6	4.2	4.2	3.6	5.4	7.8	8.4	11.4
115°	3.0	3.0	2.4	3.0	3.6	3.6	3.0	4.8	7.8	9.0	12.0
117.5°	3.6	3.0	2.4	3.0	3.6	3.0	3.0	4.2	7.8	9.0	12.0
120°	3.6	3.6	3.0	3.0	3.0	3.0	3.0	4.2	7.8	9.0	12.0
122.5°	4.2	3.6	3.0	3.0	3.0	3.0	3.0	3.6	7.2	8.4	11.4
125°	4.2	4.2	3.0	3.0	3.6	3.0	3.0	3.6	7.2	7.8	10.8
127.5°	4.8	4.2	3.6	3.0	3.6	3.0	3.0	3.6	6.6	7.2	9.6
130°	4.8	4.8	3.6	3.0	3.6	3.0	3.0	3.0	5.4	6.0	8.4
132.5°	4.8	4.8	4.2	3.6	4.2	3.6	3.0	3.0	4.2	4.8	6.6
135°	5.4	4.8	4.8	4.2	4.8	4.2	3.0	3.0	3.0	3.6	4.8
137.5°	5.4	5.4	5.4	4.8	5.4	4.2	3.0	3.0	3.0	3.0	3.6
140°	6.6	6.6	6.0	5.4	6.0	4.8	3.6	3.0	3.0	3.0	3.6
142.5°	7.8	7.8	7.2	6.6	6.0	4.8	4.2	3.6	3.6	3.6	3.6
145°	9.0	8.4	8.4	7.2	6.0	4.8	4.2	4.2	4.2	4.2	4.2
147.5°	9.0	9.0	8.4	6.6	5.4	3.6	3.6	4.8	4.8	4.8	4.8
150°	8.4	8.4	7.2	6.0	4.2	3.0	3.0	4.2	4.8	4.8	4.8
152.5°	6.6	6.0	5.4	3.6	3.0	1.8	2.4	3.0	3.6	3.6	4.2
155°	4.2	3.6	3.0	2.4	2.4	1.8	1.8	2.4	2.4	2.4	3.0
157.5°	1.8	1.8	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.6	0.6	0.6	0.6	1.8	1.8	1.8	1.2	1.2	1.2	1.2
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	3.6	3.6	3.6	3.6	3.6	3.0	3.6	4.2	4.8	4.8	4.8
5°	3.6	3.6	3.6	4.2	4.2	3.6	4.2	5.4	6.0	6.0	6.0
7.5°	4.2	3.6	4.2	4.8	4.8	4.8	21.0	60.6	67.2	68.4	69.6
10°	6.0	6.0	6.0	6.6	7.2	63.0	74.4	78.0	80.4	82.2	82.8
12.5°	91.2	79.8	49.8	13.2	63.6	78.0	82.2	88.2	91.2	94.8	93.6
15°	204.5	181.1	136.1	116.3	113.9	87.0	91.2	151.7	168.5	171.5	170.9
17.5°	231.5	199.1	151.7	161.9	168.5	130.7	153.5	169.7	172.7	175.7	175.1
20°	430.6	343.0	205.7	178.1	176.3	220.7	163.7	169.1	175.1	206.3	209.9
22.5°	478.0	394.6	269.3	260.9	212.9	224.3	213.5	216.5	235.1	235.1	233.9
25°	598.5	477.4	304.1	266.3	270.5	223.1	250.7	216.5	220.1	220.1	220.7
27.5°	778.4	613.5	403.6	296.9	267.5	269.9	238.1	219.5	251.3	254.9	256.7
30°	833.0	636.9	399.4	331.6	279.5	262.1	222.5	245.9	236.9	236.9	235.1
32.5°	1164.0	869.0	497.2	324.4	286.7	243.5	246.5	231.5	227.3	245.9	245.9
35°	1229.4	894.8	479.8	365.2	275.3	253.7	234.5	238.1	230.3	229.1	227.3
37.5°	1304.4	912.8	440.8	343.0	290.9	243.5	242.3	233.3	223.1	237.5	239.9
40°	1375.7	930.2	409.6	316.6	268.7	242.3	237.5	232.7	211.1	211.1	210.5
42.5°	1456.1	941.6	381.4	295.7	247.1	242.9	229.7	214.7	200.3	204.5	203.3
45°	1539.5	948.7	352.6	272.3	227.9	251.3	230.3	223.7	212.3	214.1	212.3
47.5°	1642.0	960.7	327.4	249.5	215.9	230.3	217.7	214.7	221.3	215.3	218.9
50°	1751.2	967.3	304.1	229.7	203.9	223.7	225.5	216.5	221.3	211.1	210.5
52.5°	1881.9	973.3	278.9	216.5	202.1	222.5	236.3	226.7	218.3	205.1	203.9
55°	1997.1	954.1	257.3	208.1	214.1	220.1	245.3	233.9	216.5	201.5	202.1
57.5°	2122.4	929.6	239.9	204.5	211.7	215.9	257.9	244.1	224.3	224.9	225.5
60°	2251.9	906.2	229.1	203.9	208.7	217.7	259.7	257.9	234.5	239.9	244.1
62.5°	2406.7	887.6	227.3	208.1	219.5	227.3	261.5	280.1	259.7	262.1	263.3
65°	2527.8	833.6	225.5	210.5	223.7	229.1	262.1	295.7	286.7	300.5	299.3
67.5°	2490.6	734.1	222.5	212.9	226.7	238.7	261.5	307.1	305.9	337.6	334.6
70°	2338.9	623.7	212.9	209.9	227.9	243.5	262.1	310.1	315.5	360.4	357.4
72.5°	2083.4	503.2	195.5	201.5	228.5	249.5	269.9	310.7	316.6	380.2	371.2
75°	1743.4	406.6	169.7	182.3	235.7	253.1	271.7	304.7	304.7	364.6	353.2
77.5°	1254.6	313.1	146.3	165.5	233.3	250.7	266.3	290.9	286.7	315.5	304.7
80°	731.1	230.9	124.7	162.5	218.9	245.9	251.3	256.7	236.9	243.5	236.9
82.5°	439.0	170.9	107.9	145.7	192.5	221.3	225.5	216.5	190.1	189.5	180.5
85°	263.3	116.9	79.2	112.7	151.7	184.7	189.5	164.3	139.7	154.1	137.9
87.5°	194.3	73.8	54.6	70.2	92.4	86.4	112.7	106.1	90.6	87.0	85.8
90°	175.1	56.4	45.0	57.0	62.4	53.4	57.6	57.6	46.8	46.2	43.8
92.5°	173.3	52.8	48.0	55.8	50.4	42.6	46.8	46.2	37.2	35.4	33.6
95°	161.9	47.4	48.0	50.4	44.4	34.8	37.8	35.4	26.4	24.6	22.8
97.5°	76.2	33.0	45.6	43.8	36.6	27.0	31.2	27.0	18.6	16.2	16.2
100°	18.0	28.2	39.0	39.6	29.4	20.4	21.6	17.4	12.0	10.2	10.2
102.5°	18.0	12.6	24.0	31.2	18.0	8.4	12.0	11.4	9.0	9.0	9.6
105°	18.0	12.0	12.0	20.4	10.8	5.4	5.4	7.2	7.8	10.2	11.4
107.5°	18.6	12.6	9.6	9.6	7.8	5.4	4.8	5.4	7.8	12.0	12.6
110°	15.6	11.4	9.0	8.4	7.8	5.4	4.2	5.4	7.8	13.2	14.4



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CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.4	10.2	7.8	7.8	6.6	5.4	4.2	4.8	8.4	14.4	15.6
115°	11.4	9.6	7.2	6.6	5.4	4.8	4.2	4.8	9.0	15.6	16.8
117.5°	12.0	9.6	6.6	6.0	4.8	3.6	3.6	4.8	9.0	16.2	17.4
120°	12.0	9.6	6.6	6.0	4.8	3.6	3.6	5.4	9.6	15.6	16.8
122.5°	11.4	9.6	6.6	6.0	4.8	3.0	3.6	4.8	9.0	15.0	16.2
125°	10.2	9.0	6.6	5.4	4.8	3.0	3.6	4.8	9.0	14.4	15.0
127.5°	9.6	8.4	6.0	5.4	4.2	3.0	3.6	4.8	8.4	13.2	13.8
130°	8.4	7.8	5.4	4.8	4.2	3.0	3.6	4.8	8.4	12.0	12.6
132.5°	6.6	6.0	4.8	4.2	4.2	3.0	3.6	4.2	6.6	10.2	10.8
135°	4.8	4.8	4.2	4.2	4.2	3.0	3.6	3.6	5.4	7.8	8.4
137.5°	3.6	3.6	3.6	4.2	3.6	3.0	3.0	3.6	4.8	6.0	6.6
140°	3.6	3.6	3.6	4.2	3.6	3.0	3.0	3.6	4.2	4.8	5.4
142.5°	3.6	3.6	3.6	4.2	3.6	2.4	3.0	3.6	4.2	4.8	4.8
145°	4.2	4.2	4.2	4.2	3.6	2.4	2.4	3.6	4.2	4.8	4.8
147.5°	4.8	4.8	4.2	4.2	3.6	1.8	1.8	3.6	4.2	4.8	4.8
150°	4.8	4.8	4.2	4.2	3.0	1.8	1.8	3.0	4.2	4.2	4.2
152.5°	3.6	3.6	3.6	3.6	3.0	1.2	1.2	2.4	3.6	3.6	3.6
155°	3.0	3.0	3.0	3.0	2.4	1.2	0.6	1.8	3.0	3.0	3.0
157.5°	1.8	2.4	2.4	3.0	2.4	1.2	0.6	1.2	2.4	2.4	2.4
160°	1.2	1.8	1.8	2.4	2.4	1.2	0.6	1.2	1.8	1.8	1.8
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)