

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: P255279

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7450.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
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

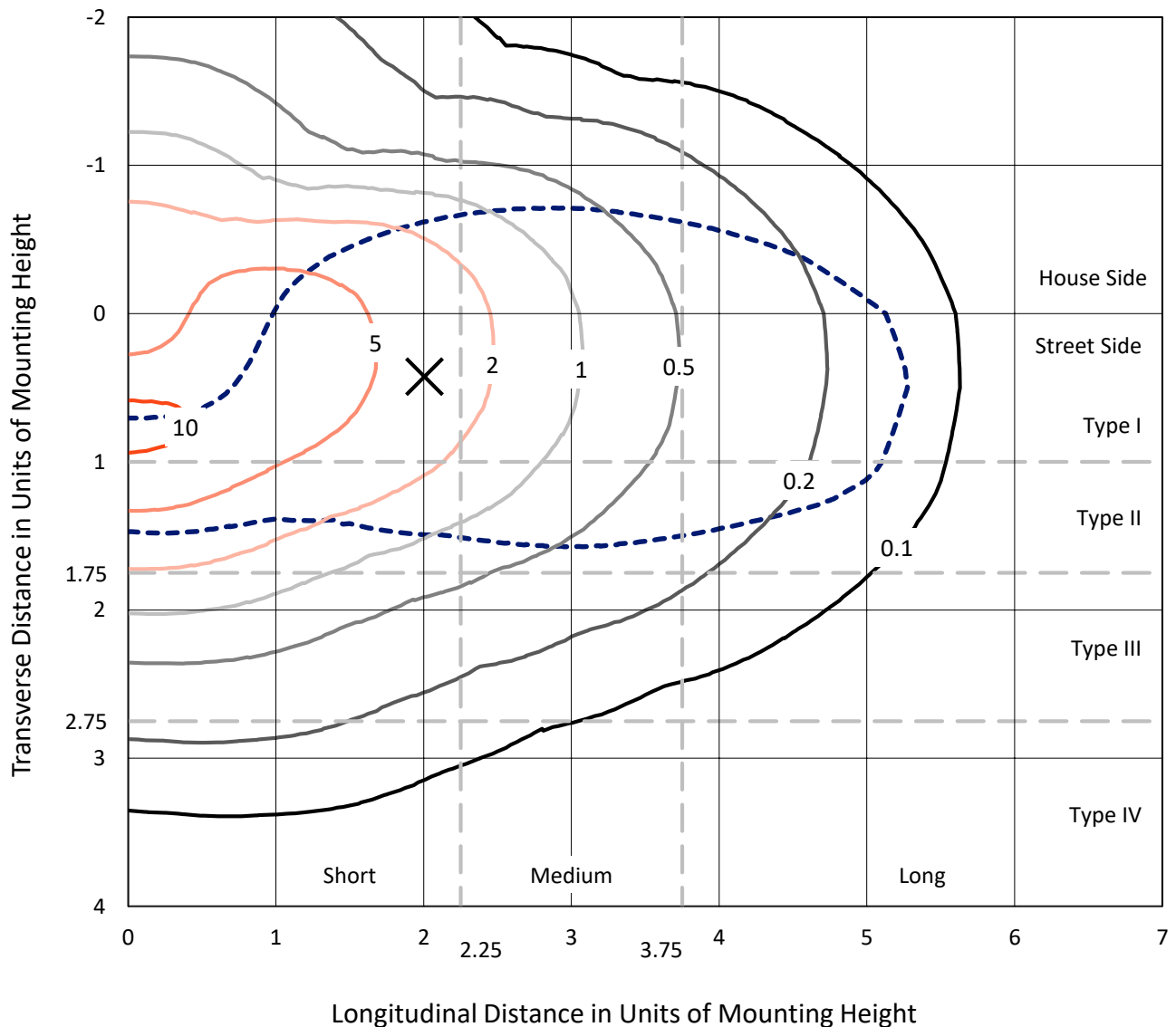


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

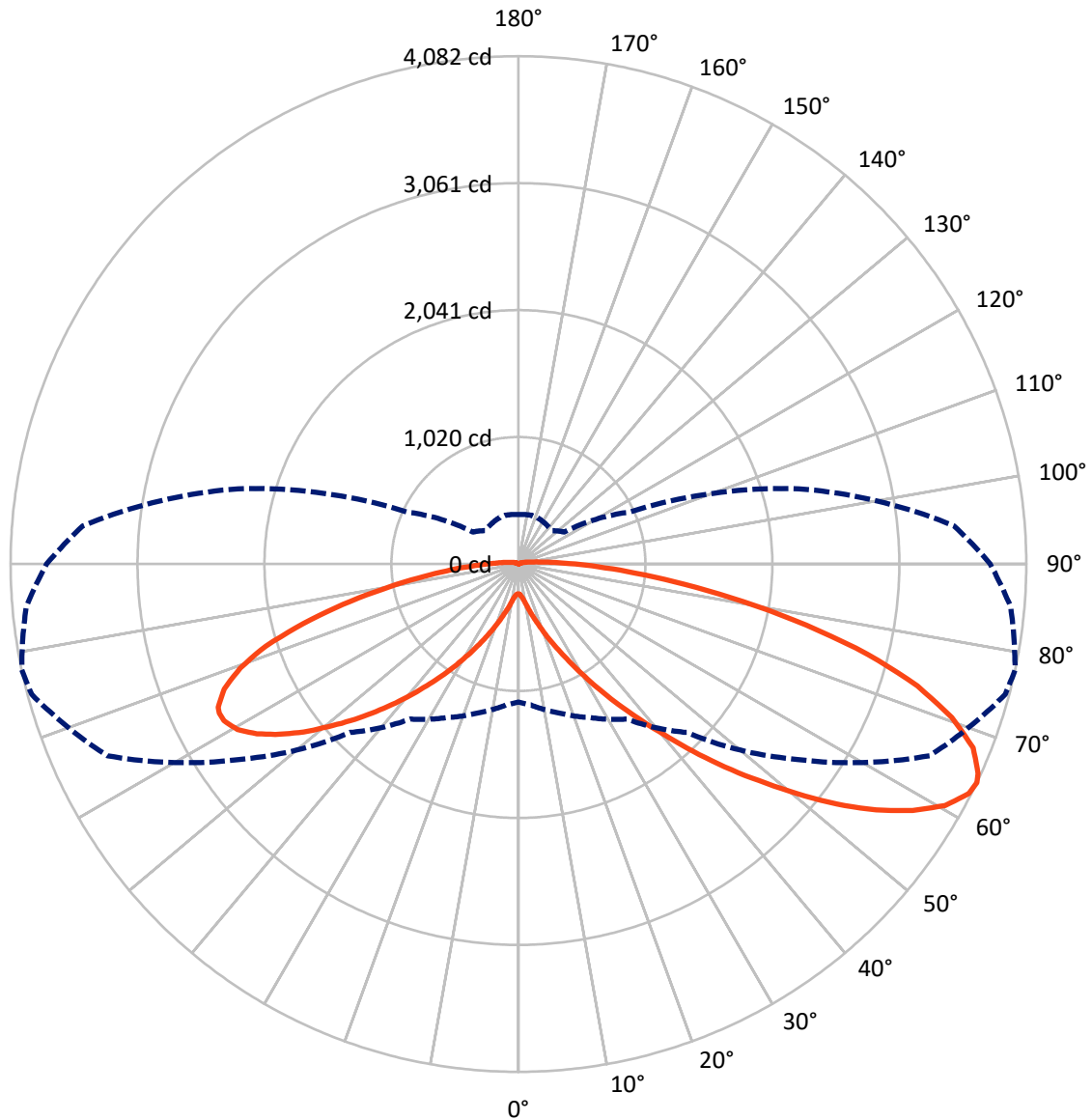


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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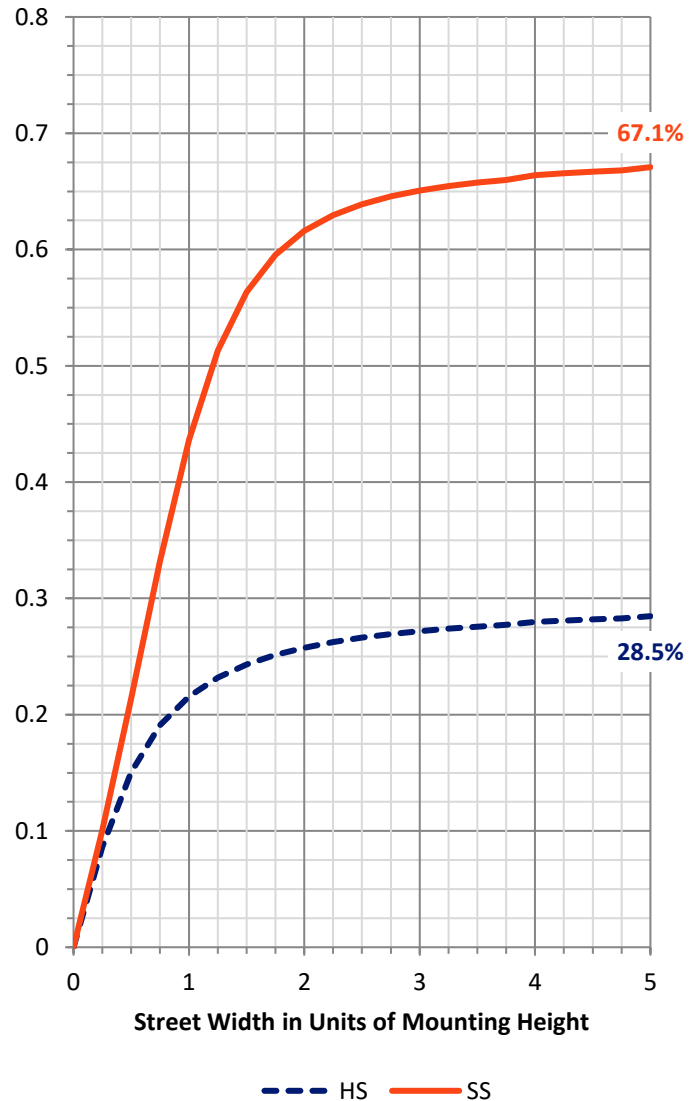
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2187.6	100.7	2288.3
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	5066.6	95.5	5162.1
	% Fixture	68.0	1.3	69.3
Total	Lumens	7254.2	196.2	7450.4
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.4
10°-20°	120.8	1.6
20°-30°	336.7	4.5
30°-40°	731.5	9.8
40°-50°	1263.4	17.0
50°-60°	1672.7	22.5
60°-70°	1631.9	21.9
70°-80°	1060.6	14.2
80°-90°	410.5	5.5
90°-100°	118.5	1.6
100°-110°	45.0	0.6
110°-120°	19.6	0.3
120°-130°	8.6	0.1
130°-140°	3.5	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7254.2	97.4
0°-180°	7450.4	100.0

Coefficient of Utilization



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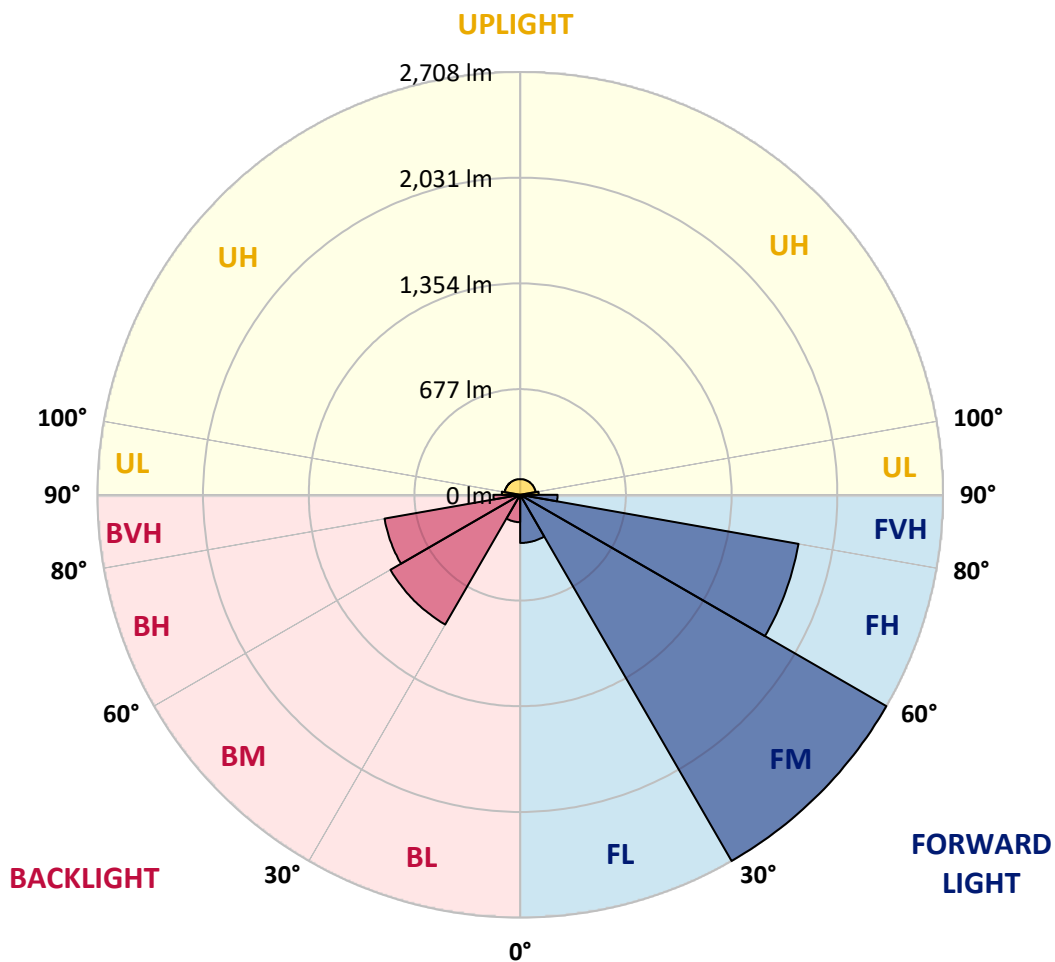
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.4	4.1			
FM (30°-60°)	2708.4	36.4			
FH (60°-80°)	1810.4	24.3			G2/5000
FVH (80°-90°)	239.4	3.2			G3/500
BL (0°-30°)	175.2	2.4	B1/500		
BM (30°-60°)	959.2	12.9	B1/1000		
BH (60°-80°)	882.1	11.8	B2/1000		G2/1000
BVH (80°-90°)	171.1	2.3			G2/225
UL (90°-100°)	118.5	1.6		U3/500	
UH (100°-180°)	100.7	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2
2.5°	259.6	258.7	258.7	259.6	257.0	256.1	253.4	249.8	247.2	246.3	243.6
5°	288.0	286.2	284.4	285.2	282.7	278.2	273.8	268.4	264.1	262.2	257.9
7.5°	321.7	323.4	319.8	318.1	314.5	310.1	302.1	296.0	289.7	287.1	282.7
10°	374.8	375.7	369.6	370.4	359.7	354.4	346.5	335.8	328.8	324.3	318.1
12.5°	447.4	446.6	439.4	436.8	423.5	413.8	401.4	389.0	381.9	376.5	365.9
15°	536.0	534.3	529.8	519.2	498.9	486.4	471.4	452.8	443.0	436.0	424.4
17.5°	640.6	641.5	632.6	618.4	591.0	573.3	551.1	526.3	512.1	502.4	489.9
20°	770.9	771.7	755.7	735.5	700.0	675.1	638.0	614.9	592.7	587.4	567.9
22.5°	925.9	925.0	901.1	874.5	826.6	789.4	748.7	711.5	685.8	678.7	657.4
25°	1102.2	1100.5	1071.2	1042.9	971.1	922.3	869.1	823.2	797.4	783.3	759.4
27.5°	1309.6	1305.9	1267.0	1226.2	1134.9	1063.2	998.5	955.2	923.2	904.6	878.0
30°	1532.8	1529.3	1482.3	1415.9	1317.5	1235.0	1150.1	1099.5	1063.2	1049.0	1012.8
32.5°	1773.9	1766.7	1711.8	1631.1	1515.1	1410.5	1324.5	1267.0	1222.7	1208.5	1161.5
35°	2018.3	2008.6	1950.2	1856.2	1722.4	1608.1	1520.5	1460.1	1405.2	1386.6	1329.9
37.5°	2253.2	2239.9	2193.8	2075.1	1939.5	1833.2	1734.8	1659.5	1599.2	1582.4	1508.0
40°	2439.2	2431.2	2388.7	2274.4	2145.1	2037.8	1962.6	1902.3	1826.0	1800.4	1720.7
42.5°	2580.9	2572.9	2540.2	2445.4	2330.2	2256.6	2193.8	2150.3	2084.7	2057.4	1944.9
45°	2654.5	2643.0	2628.8	2560.6	2481.8	2445.4	2437.5	2421.5	2357.7	2325.8	2194.7
47.5°	2637.6	2632.4	2645.6	2603.9	2572.9	2604.8	2673.1	2705.0	2631.5	2602.2	2464.1
50°	2531.3	2538.4	2572.1	2568.5	2598.7	2706.8	2878.7	2984.1	2938.0	2899.0	2748.4
52.5°	2353.2	2363.0	2423.3	2456.0	2542.9	2747.6	3038.2	3247.3	3251.7	3206.5	3036.5
55°	2119.3	2140.6	2214.1	2277.9	2417.9	2700.6	3132.0	3468.8	3535.2	3489.0	3308.4
57.5°	1842.0	1873.0	1953.7	2059.1	2222.2	2572.1	3150.7	3634.4	3775.4	3737.2	3564.5
60°	1553.2	1575.3	1675.5	1794.1	1957.2	2375.4	3073.6	3721.3	3964.0	3940.1	3799.3
62.5°	1269.7	1294.5	1397.2	1527.5	1687.0	2096.3	2890.1	3715.1	4051.8	4063.3	3938.4
64°	1109.3	1136.8	1237.8	1361.0	1520.5	1914.7	2737.8	3646.0	4050.0	4081.8	3972.0
65°	1009.1	1036.7	1135.9	1258.1	1414.1	1788.9	2623.6	3579.6	4033.1	4059.7	3972.8
67.5°	788.6	810.7	904.6	1030.5	1155.4	1474.4	2261.1	3317.2	3896.7	3941.0	3890.5
70°	606.1	627.2	713.3	829.3	933.8	1198.8	1867.7	2933.6	3633.5	3695.5	3671.6
72.5°	466.0	483.8	560.0	661.0	746.0	948.1	1492.1	2479.9	3252.5	3353.6	3358.0
75°	359.7	373.8	436.8	524.6	591.8	737.2	1162.4	1991.8	2767.0	2900.9	2931.9
77.5°	280.9	289.7	340.3	412.0	467.0	563.6	874.5	1532.8	2232.7	2365.7	2420.6
80°	220.6	227.7	266.7	323.4	366.8	423.5	640.6	1134.1	1711.8	1832.3	1884.5
82.5°	171.0	177.2	208.2	254.2	288.0	325.1	458.2	808.1	1245.8	1345.0	1387.5
85°	130.2	134.7	161.2	195.8	223.3	249.8	319.8	552.0	867.4	942.7	972.0
87.5°	96.5	100.1	122.3	150.7	171.0	191.4	233.0	365.0	583.0	637.1	658.3
90°	70.0	72.6	90.3	114.2	131.9	147.1	169.3	241.9	374.8	411.2	427.1
92.5°	49.6	52.2	66.4	86.0	102.8	115.2	130.2	168.4	240.2	259.6	272.0
95°	36.3	38.1	48.7	64.7	79.8	91.2	103.7	122.3	158.7	169.3	173.6
97.5°	27.5	28.3	37.2	49.6	63.0	72.6	81.5	93.0	111.7	116.9	119.6
100°	21.3	22.2	29.3	39.9	50.5	59.3	65.5	72.6	82.4	86.0	87.7
102.5°	17.7	18.6	23.9	32.8	41.6	48.7	54.1	58.5	63.0	64.7	67.3
105°	16.0	16.0	21.3	28.3	35.4	41.6	46.1	47.8	48.7	49.6	50.5
107.5°	13.3	14.2	18.6	24.8	31.0	36.3	39.0	39.0	37.2	37.2	38.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	12.4	12.4	16.0	21.3	27.5	31.0	32.8	31.0	27.5	27.5	28.3
112.5°	10.6	11.5	14.2	18.6	23.9	27.5	27.5	24.8	20.4	20.4	21.3
115°	9.8	9.8	12.4	16.8	20.4	23.1	23.1	20.4	15.1	15.1	16.0
117.5°	8.8	8.8	10.6	14.2	17.7	20.4	19.4	16.0	11.5	11.5	13.3
120°	8.8	8.8	9.8	12.4	15.1	16.8	16.0	12.4	8.8	8.8	10.6
122.5°	7.9	7.9	8.8	10.6	13.3	14.2	13.3	9.8	7.1	7.9	8.8
125°	7.9	7.9	7.9	9.8	11.5	12.4	11.5	7.9	6.2	6.2	7.1
127.5°	7.1	7.1	7.1	7.9	9.8	10.6	8.8	6.2	5.4	5.4	6.2
130°	7.1	7.1	6.2	7.1	8.8	8.8	7.1	4.5	3.5	4.5	5.4
132.5°	6.2	6.2	6.2	6.2	7.1	7.1	6.2	3.5	3.5	3.5	4.5
135°	6.2	6.2	5.4	5.4	6.2	6.2	4.5	2.6	2.6	2.6	3.5
137.5°	5.4	5.4	5.4	4.5	4.5	4.5	3.5	1.7	1.7	2.6	2.6
140°	4.5	4.5	4.5	3.5	3.5	2.6	1.7	0.9	1.7	1.7	2.6
142.5°	3.5	3.5	3.5	2.6	2.6	1.7	0.9	0.9	0.9	1.7	1.7
145°	2.6	2.6	2.6	1.7	1.7	0.9	0.9	0.9	0.9	0.9	1.7
147.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2
2.5°	242.8	241.9	239.3	237.4	235.7	234.0	234.0	232.1	231.3	230.3	230.3
5°	257.0	253.4	249.0	245.4	241.0	236.5	233.0	230.3	228.6	227.7	226.8
7.5°	278.2	273.8	265.8	259.6	251.7	245.4	240.2	234.8	233.0	231.3	231.3
10°	313.7	305.7	294.1	282.7	272.0	261.3	255.1	248.1	246.3	244.5	244.5
12.5°	360.5	352.6	334.0	318.1	301.2	287.1	277.3	271.1	269.4	266.7	267.5
15°	416.4	402.3	381.9	358.8	337.6	318.1	306.6	296.8	292.4	289.7	290.6
17.5°	479.3	463.4	434.2	404.0	376.5	355.3	335.8	321.7	314.5	311.8	311.8
20°	552.0	534.3	497.0	456.2	420.8	390.7	365.9	344.7	335.8	332.2	332.2
22.5°	638.0	615.7	564.5	512.1	467.8	423.5	390.7	365.0	354.4	350.8	350.8
25°	737.2	707.9	642.3	577.7	511.3	451.9	410.3	382.7	370.4	365.9	365.9
27.5°	840.9	813.3	728.3	645.9	554.6	474.9	425.2	395.2	381.0	378.4	377.5
30°	972.0	933.0	823.2	710.6	591.8	490.9	431.5	402.3	388.1	385.4	385.4
32.5°	1109.3	1063.2	930.4	777.9	620.3	497.9	432.3	405.0	392.5	389.8	389.0
35°	1270.5	1211.1	1042.0	847.0	645.9	500.6	431.5	406.7	396.9	393.5	392.5
37.5°	1445.9	1370.6	1159.8	910.7	659.2	496.1	428.9	405.8	398.7	394.3	393.5
40°	1635.6	1548.7	1294.5	962.2	661.0	487.3	423.5	406.7	399.6	394.3	392.5
42.5°	1847.3	1742.8	1424.7	1009.1	655.7	476.7	420.0	406.7	400.4	394.3	392.5
45°	2083.0	1955.4	1561.2	1045.5	641.5	464.3	416.4	406.7	401.4	393.5	392.5
47.5°	2334.7	2183.1	1701.1	1073.8	623.8	451.9	414.6	408.4	404.0	394.3	393.5
50°	2597.7	2423.3	1836.7	1092.5	602.4	440.4	412.9	408.4	405.8	395.2	394.3
52.5°	2881.2	2677.5	1983.8	1102.2	577.7	428.9	411.2	410.3	407.5	397.8	396.1
55°	3145.3	2922.0	2114.9	1102.2	552.0	418.3	409.2	411.2	410.3	400.4	398.7
57.5°	3391.6	3147.1	2230.1	1088.9	524.6	407.5	405.8	410.3	411.2	402.3	400.4
60°	3604.4	3343.8	2311.6	1067.7	496.1	396.9	401.4	408.4	411.2	403.1	401.4
62.5°	3747.8	3480.2	2339.1	1022.4	466.0	385.4	393.5	403.1	408.4	401.4	399.6
64°	3792.2	3514.9	2332.9	988.8	447.4	378.4	388.1	399.6	405.0	399.6	397.8
65°	3804.5	3520.2	2310.8	960.4	436.0	373.0	383.6	396.1	402.3	396.9	395.2
67.5°	3730.1	3428.0	2201.8	876.3	408.4	358.8	371.3	383.6	391.5	389.0	387.3
70°	3540.5	3233.1	2021.9	784.2	380.1	342.0	354.4	367.6	377.5	375.7	374.8
72.5°	3227.7	2925.6	1795.0	676.0	351.7	323.4	332.2	347.3	357.1	356.1	354.4
75°	2814.0	2520.7	1483.2	577.7	320.7	299.5	308.3	321.7	331.4	329.6	329.6
77.5°	2330.2	2049.3	1190.8	477.6	292.4	273.8	281.8	292.4	301.2	298.6	297.7
80°	1815.5	1577.1	909.9	389.0	262.2	246.3	251.7	259.6	267.5	264.1	263.1
82.5°	1334.4	1153.6	670.8	311.8	232.1	215.3	219.7	226.8	231.3	227.7	226.8
85°	935.6	806.3	485.5	248.1	199.4	185.2	186.1	189.6	193.2	187.8	187.0
87.5°	630.9	540.5	336.7	196.6	168.4	155.9	155.0	156.8	159.5	154.2	151.6
90°	413.8	352.6	230.3	159.5	140.8	130.2	128.5	128.5	129.4	123.1	121.4
92.5°	262.2	228.6	167.5	130.2	117.9	108.0	105.4	104.6	103.7	97.5	96.5
95°	171.0	156.8	128.5	108.0	97.5	89.5	86.9	85.0	83.2	78.8	77.1
97.5°	120.5	113.4	101.9	89.5	81.5	74.4	71.8	69.2	67.3	62.1	61.1
100°	90.3	87.7	82.4	74.4	68.2	62.1	59.3	56.7	54.9	49.6	48.7
102.5°	70.0	70.0	67.3	62.1	56.7	51.4	49.6	47.0	44.2	40.8	39.9
105°	54.1	54.1	54.9	52.2	47.8	44.2	41.6	39.9	37.2	32.8	32.8
107.5°	40.8	42.5	44.2	43.3	40.8	37.2	35.4	33.7	30.1	27.5	27.5



REPORT NUMBER: P255279

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.0	31.9	35.4	36.3	34.5	31.9	30.1	27.5	24.8	22.2	22.2
112.5°	23.1	24.8	28.3	30.1	29.3	27.5	25.6	23.1	19.4	18.6	18.6
115°	17.7	19.4	23.1	24.8	24.8	23.1	21.3	18.6	16.0	15.1	16.0
117.5°	14.2	16.0	18.6	20.4	20.4	18.6	17.7	15.1	13.3	13.3	13.3
120°	11.5	13.3	15.1	16.8	16.8	16.0	14.2	12.4	10.6	11.5	11.5
122.5°	9.8	10.6	12.4	13.3	14.2	13.3	11.5	9.8	8.8	9.8	9.8
125°	7.9	8.8	10.6	10.6	11.5	10.6	9.8	7.9	7.1	7.9	7.9
127.5°	7.1	7.9	8.8	8.8	9.8	8.8	7.9	6.2	6.2	7.1	7.1
130°	5.4	6.2	7.1	7.1	7.9	7.1	6.2	5.4	5.4	6.2	6.2
132.5°	4.5	5.4	5.4	6.2	6.2	6.2	5.4	3.5	4.5	4.5	4.5
135°	4.5	4.5	5.4	4.5	4.5	4.5	3.5	2.6	3.5	3.5	3.5
137.5°	3.5	3.5	4.5	4.5	3.5	3.5	2.6	1.7	2.6	3.5	3.5
140°	2.6	3.5	3.5	3.5	3.5	2.6	1.7	0.9	1.7	1.7	1.7
142.5°	2.6	2.6	3.5	3.5	2.6	1.7	0.9	0.0	0.9	0.9	0.9
145°	1.7	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.0	0.9	0.0
147.5°	1.7	1.7	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
150°	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)