

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: P416984

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6917 lumens
Efficiency: N/A
Efficacy: 83.3 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

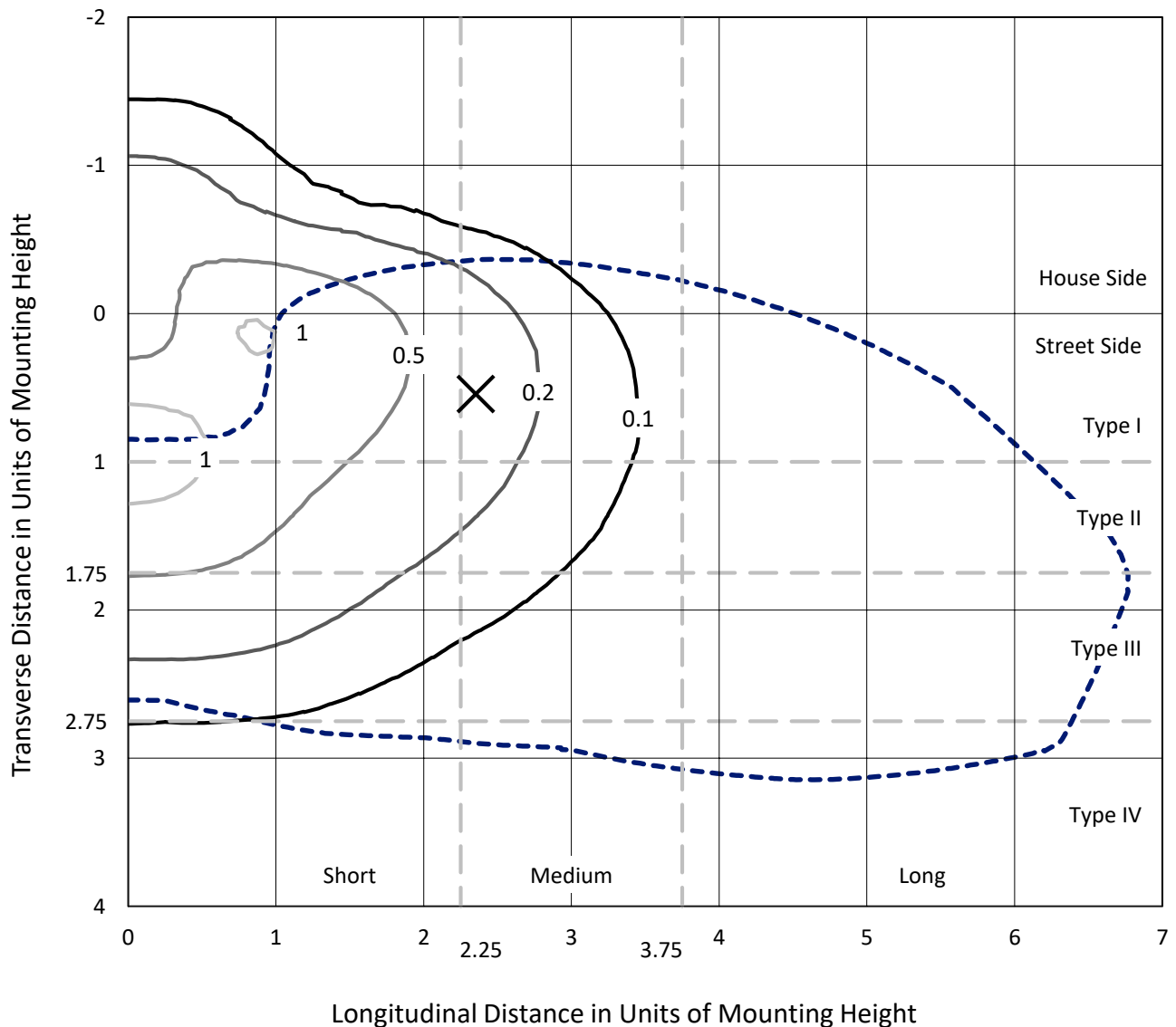
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

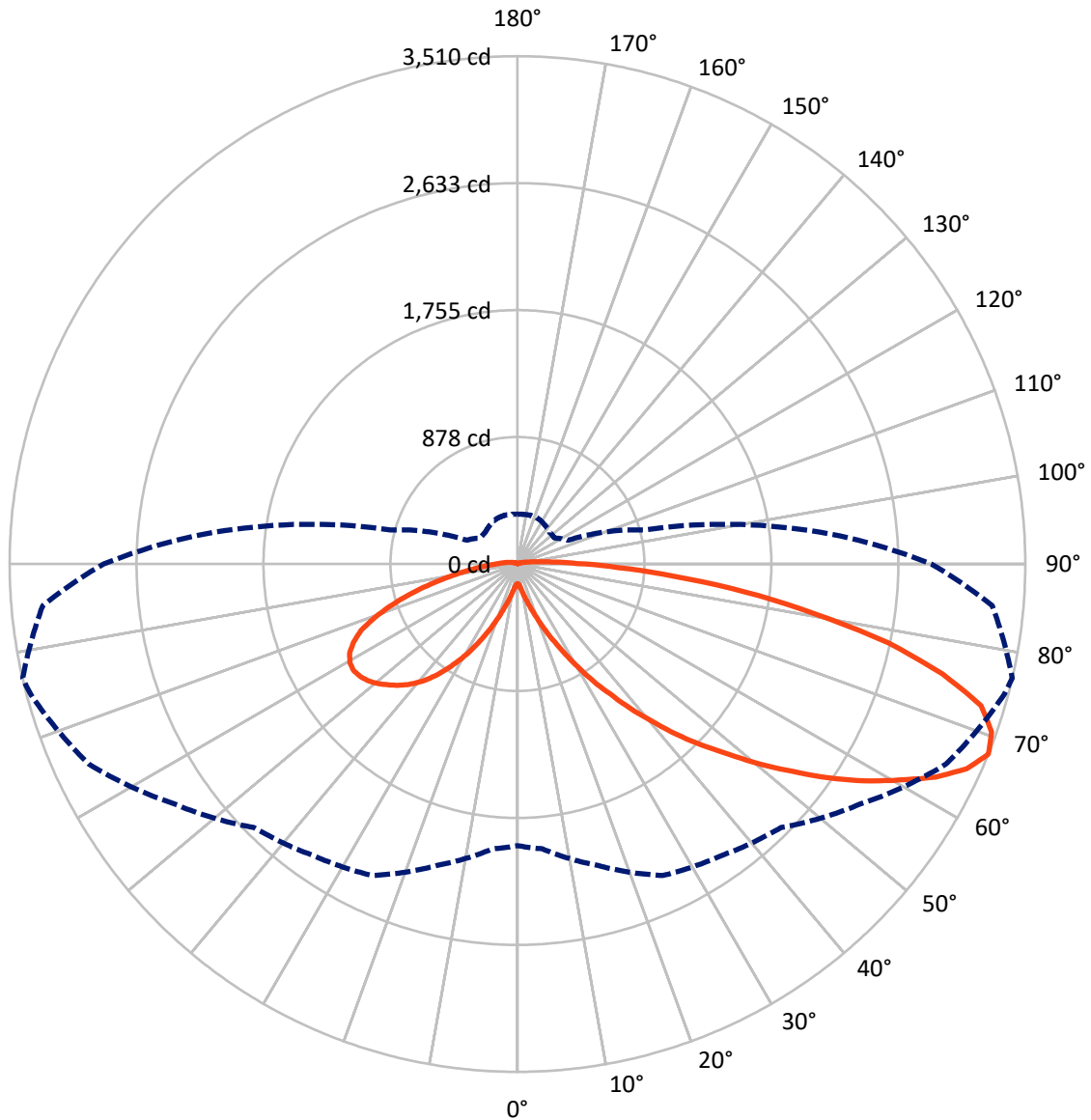
× Max cd
 - - - 1/2 Max cd



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 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.0	103.9	1681.9
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5119.3	115.7	5235.1
	% Fixture	74.0	1.7	75.7
Total	Lumens	6697.4	219.6	6917.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.2
10°-20°	80.2	1.2
20°-30°	239.7	3.5
30°-40°	530.9	7.7
40°-50°	950.7	13.7
50°-60°	1423.8	20.6
60°-70°	1678.3	24.3
70°-80°	1281.3	18.5
80°-90°	496.7	7.2
90°-100°	126.6	1.8
100°-110°	47.9	0.7
110°-120°	22.5	0.3
120°-130°	12.0	0.2
130°-140°	6.7	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6697.4	96.8
0°-180°	6917.0	100.0



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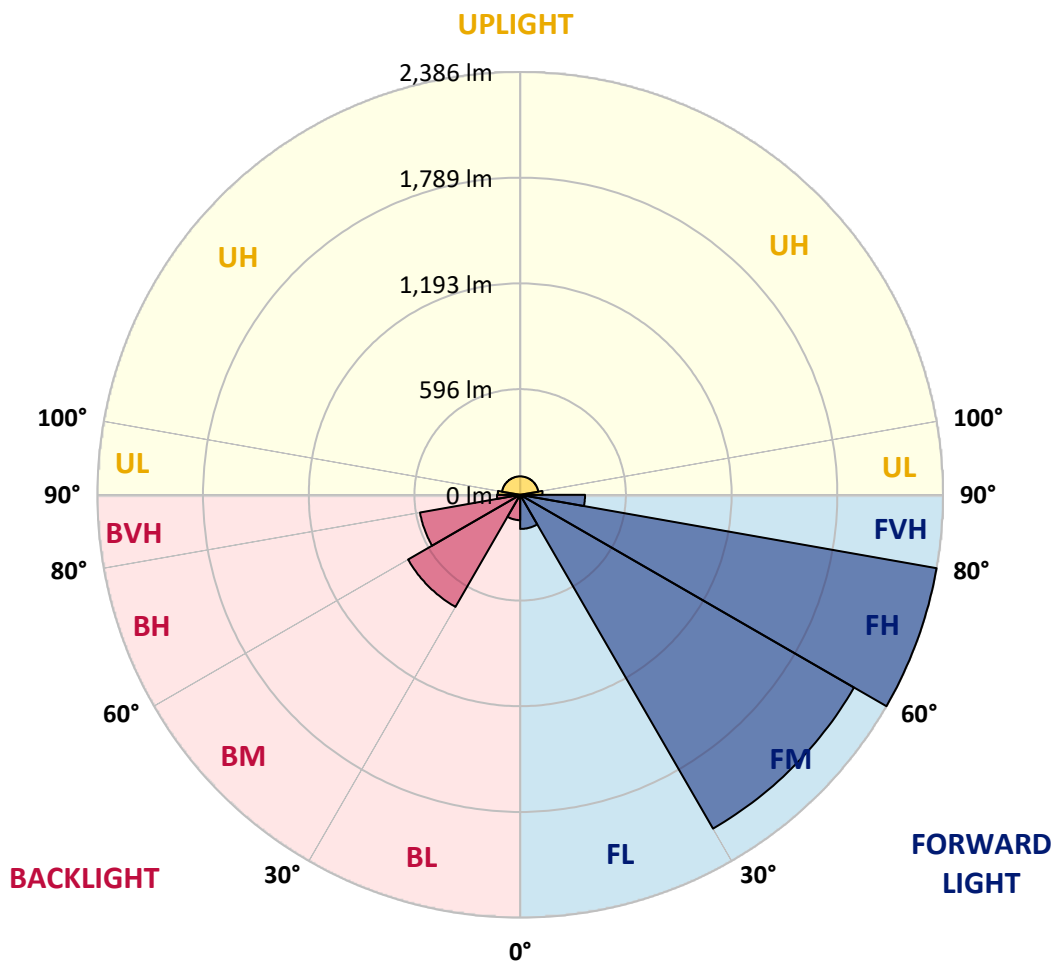
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.8	2.8			
FM (30°-60°)	2174.9	31.4			
FH (60°-80°)	2385.8	34.5			G2/5000
FVH (80°-90°)	365.8	5.3			G3/500
BL (0°-30°)	142.9	2.1	B1/500		
BM (30°-60°)	730.5	10.6	B1/1000		
BH (60°-80°)	573.8	8.3	B2/1000		G2/1000
BVH (80°-90°)	130.9	1.9			G2/225
UL (90°-100°)	126.6	1.8		U3/500	
UH (100°-180°)	103.9	1.5		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°	77°	85°
0°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
2.5°	143.8	143.0	143.8	143.8	144.6	143.0	141.5	140.7	139.9	139.9	139.1
5°	158.9	157.3	158.1	158.9	158.1	156.5	154.2	153.4	151.8	151.8	150.2
7.5°	180.4	180.4	179.6	178.0	179.6	177.2	175.6	174.8	172.4	171.6	170.9
10°	213.0	211.4	210.6	209.0	207.4	206.6	203.4	203.4	199.5	201.1	198.7
12.5°	255.1	251.9	252.7	249.5	244.8	241.6	240.0	239.2	239.2	239.2	238.4
15°	305.9	303.6	302.8	295.6	290.8	286.9	283.7	284.5	288.5	289.3	286.1
17.5°	364.0	367.9	360.8	354.4	347.3	339.3	339.3	339.3	342.5	344.9	343.3
20°	445.0	437.1	429.1	418.8	406.9	400.5	397.3	406.9	412.4	416.4	414.8
22.5°	534.0	526.1	517.3	500.6	484.0	472.0	472.0	484.0	496.7	501.4	503.0
25°	634.9	639.7	618.2	592.8	562.6	552.3	553.9	571.4	590.4	594.4	603.9
27.5°	759.7	759.7	741.4	700.9	661.2	640.5	642.1	670.7	699.3	704.9	712.0
30°	911.5	905.9	881.3	827.2	774.8	735.9	743.0	778.0	823.3	828.0	836.8
32.5°	1080.7	1079.9	1032.3	965.5	890.0	843.9	847.1	898.0	954.4	967.9	977.4
35°	1268.3	1273.1	1211.1	1114.1	1026.7	964.7	975.1	1033.1	1099.0	1102.2	1114.1
37.5°	1482.8	1480.5	1406.6	1300.9	1170.5	1104.6	1096.6	1175.3	1244.4	1265.1	1258.7
40°	1720.4	1695.0	1623.5	1492.4	1331.9	1243.6	1245.2	1326.3	1420.1	1426.4	1424.8
42.5°	1954.9	1943.7	1857.1	1679.9	1508.3	1404.2	1408.1	1486.0	1583.0	1607.6	1590.1
45°	2207.6	2179.8	2086.0	1903.2	1694.2	1581.4	1571.1	1658.5	1764.9	1784.0	1767.3
47.5°	2411.8	2394.3	2311.7	2117.0	1893.7	1749.1	1733.2	1840.4	1962.0	1963.6	1939.0
50°	2581.1	2572.3	2507.2	2334.7	2086.8	1936.6	1919.9	2026.4	2153.5	2174.2	2138.4
52.5°	2727.3	2713.0	2680.4	2510.3	2262.4	2097.1	2094.7	2211.6	2370.5	2380.0	2345.8
55°	2774.2	2782.9	2778.1	2658.2	2434.9	2256.1	2275.9	2433.3	2575.5	2608.9	2544.5
57.5°	2767.0	2767.0	2812.3	2757.5	2550.1	2399.9	2442.8	2632.7	2817.9	2828.2	2751.1
60°	2658.9	2661.3	2770.2	2785.3	2632.7	2523.1	2624.0	2835.4	3025.3	3031.6	2959.3
62.5°	2503.2	2497.6	2657.4	2733.6	2643.1	2596.2	2753.5	3012.6	3220.8	3242.2	3133.4
65°	2260.0	2270.4	2442.8	2594.6	2589.0	2624.0	2854.4	3172.3	3379.7	3410.7	3253.4
67.5°	1946.1	1976.3	2157.5	2375.3	2459.5	2575.5	2891.8	3270.0	3483.0	3510.0	3293.9
70°	1612.4	1605.2	1801.5	2074.9	2239.4	2451.5	2850.5	3274.0	3485.4	3476.7	3207.3
72.5°	1223.0	1253.2	1429.6	1707.7	1951.7	2216.3	2716.2	3172.3	3351.9	3350.3	2978.4
75°	869.4	887.6	1043.4	1321.5	1612.4	1941.4	2448.4	2950.6	3082.5	3034.8	2647.0
77.5°	573.7	590.4	724.7	978.2	1247.6	1595.7	2088.4	2563.6	2668.5	2619.2	2224.3
80°	356.8	364.8	466.5	667.5	906.7	1236.5	1691.0	2096.3	2137.6	2087.6	1712.5
82.5°	212.2	218.5	291.6	428.3	646.1	900.4	1274.6	1606.8	1620.3	1586.1	1234.9
85°	130.3	139.1	186.0	286.1	430.7	634.9	888.4	1116.5	1126.0	1086.3	816.1
87.5°	85.0	89.8	126.4	186.0	290.1	425.1	595.2	743.0	721.6	696.9	515.7
90°	58.0	61.2	86.6	127.9	196.3	281.3	376.7	464.9	430.7	411.6	313.1
92.5°	40.5	43.7	63.6	92.2	135.9	188.3	244.8	278.1	263.8	255.1	197.1
95°	31.8	33.4	48.5	71.5	100.9	133.5	162.1	172.4	163.7	157.3	132.7
97.5°	25.4	27.0	40.5	58.0	78.7	99.3	112.8	116.0	107.3	104.1	92.2
100°	21.5	23.0	34.2	48.5	64.4	78.7	84.2	83.4	76.3	74.7	66.8
102.5°	19.1	19.9	30.2	42.1	54.8	63.6	66.8	62.8	55.6	54.8	50.1
105°	16.7	18.3	26.2	36.6	46.9	54.0	54.0	49.3	41.3	40.5	38.1
107.5°	15.9	15.9	23.0	31.8	40.5	45.3	45.3	39.7	32.6	31.0	29.4
110°	14.3	15.1	20.7	27.8	35.0	38.9	38.1	31.8	24.6	23.8	23.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.5	13.5	18.3	24.6	30.2	33.4	31.8	26.2	19.9	19.1	18.3
115°	12.7	12.7	16.7	22.3	27.0	29.4	27.0	21.5	15.9	15.1	15.9
117.5°	11.9	12.7	15.1	19.9	23.8	25.4	23.0	18.3	13.5	12.7	13.5
120°	11.9	11.9	14.3	17.5	20.7	22.3	19.9	15.1	11.1	11.1	11.9
122.5°	11.9	11.9	13.5	15.9	18.3	19.1	16.7	12.7	10.3	10.3	11.1
125°	11.1	11.1	12.7	14.3	16.7	16.7	15.1	11.1	8.7	8.7	10.3
127.5°	11.1	11.1	11.9	13.5	15.1	15.1	12.7	9.5	7.9	8.7	9.5
130°	10.3	10.3	11.1	11.9	13.5	12.7	11.1	8.7	7.2	7.9	8.7
132.5°	10.3	10.3	10.3	11.1	11.9	11.1	9.5	7.2	7.2	7.2	7.9
135°	9.5	9.5	10.3	10.3	10.3	9.5	7.9	6.4	6.4	6.4	7.2
137.5°	9.5	9.5	9.5	9.5	9.5	8.7	7.2	5.6	5.6	5.6	6.4
140°	8.7	8.7	8.7	7.9	7.9	7.2	5.6	4.8	4.8	4.8	5.6
142.5°	7.9	7.9	7.9	7.2	7.2	5.6	4.8	4.0	4.0	4.8	4.8
145°	7.2	7.2	7.2	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	5.6	5.6	5.6	5.6	4.0	4.0	2.4	3.2	3.2	4.0	4.0
150°	4.8	4.8	4.8	4.8	3.2	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.0	4.0	2.4	1.6	1.6	2.4	2.4	2.4	3.2
155°	2.4	2.4	3.2	2.4	1.6	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	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°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
2.5°	138.3	139.1	138.3	137.5	137.5	136.7	136.7	136.7	136.7	135.9	135.9
5°	151.0	150.2	149.4	147.8	146.2	144.6	144.6	143.8	143.0	142.2	142.2
7.5°	168.5	168.5	166.9	164.5	162.1	160.5	158.9	158.1	155.8	155.8	155.0
10°	195.5	195.5	190.7	188.3	184.4	180.4	178.8	176.4	174.8	174.0	173.2
12.5°	234.4	232.0	227.3	219.3	211.4	205.0	201.1	199.5	200.3	200.3	201.1
15°	284.5	279.7	272.6	257.5	243.2	233.6	231.2	231.2	232.0	232.0	232.8
17.5°	344.1	336.9	321.0	302.0	281.3	268.6	263.0	263.0	264.6	267.0	269.4
20°	416.4	410.0	385.4	352.0	321.0	304.4	294.8	294.0	297.2	304.4	302.8
22.5°	498.3	491.1	454.5	406.1	363.2	336.1	325.8	329.0	336.9	341.7	341.7
25°	596.8	584.9	530.0	459.3	404.5	366.3	352.8	357.6	369.5	375.1	377.5
27.5°	702.5	686.6	613.5	517.3	437.1	391.0	376.7	383.0	397.3	406.1	408.5
30°	828.0	800.2	700.9	571.4	466.5	408.5	393.4	405.3	421.2	431.5	433.9
32.5°	960.0	917.0	776.4	617.5	487.9	420.4	405.3	419.6	437.1	449.0	449.8
35°	1091.9	1042.6	859.8	654.8	499.0	425.9	410.0	426.7	445.8	455.3	457.7
37.5°	1234.9	1166.6	932.1	678.6	503.8	425.1	410.0	426.7	445.0	453.0	454.5
40°	1372.4	1288.2	996.5	692.9	502.2	418.8	404.5	422.0	437.9	443.4	442.6
42.5°	1526.5	1405.8	1048.2	693.7	491.1	409.3	397.3	412.4	423.6	422.8	423.6
45°	1673.6	1530.5	1086.3	688.2	476.0	397.3	387.8	401.3	405.3	401.3	400.5
47.5°	1834.9	1654.5	1116.5	673.9	457.7	386.2	377.5	387.8	388.6	379.8	378.3
50°	2005.7	1778.5	1144.3	647.7	436.3	373.5	367.9	376.7	375.1	360.8	358.4
52.5°	2172.6	1904.0	1161.8	615.9	414.8	362.4	360.0	368.7	364.0	347.3	344.1
55°	2350.6	2020.0	1165.0	584.1	394.2	352.8	352.8	362.4	356.8	339.3	336.9
57.5°	2524.6	2141.6	1153.1	542.8	374.3	342.5	347.3	358.4	354.4	336.9	335.3
60°	2687.6	2233.0	1120.5	503.8	356.0	335.3	343.3	356.0	352.8	338.5	336.9
62.5°	2813.9	2293.4	1068.8	465.7	340.1	328.2	339.3	352.0	352.8	340.9	341.7
65°	2872.7	2293.4	994.1	427.5	325.8	321.0	335.3	349.7	351.2	344.1	344.1
67.5°	2860.0	2234.6	909.9	387.8	312.3	312.3	329.8	344.9	348.1	344.9	344.9
70°	2725.7	2075.7	794.7	356.0	298.8	302.0	321.0	336.9	341.7	342.5	341.7
72.5°	2507.2	1836.5	675.5	322.6	284.5	291.6	309.9	325.8	332.2	333.8	333.0
75°	2169.4	1559.1	558.6	294.8	269.4	278.1	297.2	310.7	317.9	321.0	319.5
77.5°	1743.5	1237.3	457.7	267.0	251.9	261.4	279.7	290.8	299.6	303.6	300.4
80°	1328.7	921.0	364.0	239.2	230.5	240.8	256.7	268.6	276.5	278.1	275.7
82.5°	943.3	653.2	291.6	213.0	207.4	216.1	230.5	238.4	247.9	247.1	242.4
85°	618.2	443.4	228.9	185.2	182.8	188.3	199.5	204.2	213.8	213.8	208.2
87.5°	402.1	294.0	180.4	155.8	158.1	162.9	168.5	172.4	176.4	177.2	172.4
90°	256.7	201.1	143.8	132.7	135.1	139.1	139.1	138.3	144.6	146.2	142.2
92.5°	168.5	143.0	119.2	112.8	114.4	115.2	115.2	112.0	117.6	118.4	115.2
95°	118.4	107.3	98.5	96.9	96.9	96.9	95.4	91.4	96.2	96.2	94.6
97.5°	89.0	83.4	82.6	82.6	82.6	81.9	79.5	77.9	79.5	79.5	78.7
100°	66.8	66.0	68.3	69.9	70.7	69.9	68.3	66.0	66.0	62.8	63.6
102.5°	50.9	52.4	57.2	59.6	59.6	59.6	58.8	55.6	54.0	50.9	50.1
105°	39.7	41.3	46.9	50.1	50.9	51.7	50.1	46.9	43.7	40.5	39.7
107.5°	31.0	33.4	38.1	42.1	43.7	43.7	42.9	39.7	35.8	31.8	31.8
110°	25.4	27.0	31.8	35.8	37.3	37.3	36.6	32.6	28.6	25.4	25.4



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.7	22.3	27.0	30.2	31.8	32.6	31.0	27.8	23.8	20.7	20.7
115°	17.5	19.1	23.0	25.4	27.0	27.0	26.2	23.0	19.9	17.5	17.5
117.5°	15.1	16.7	19.9	22.3	23.0	23.8	22.3	19.9	16.7	15.1	15.1
120°	13.5	14.3	17.5	19.1	19.9	19.9	19.1	16.7	14.3	13.5	13.5
122.5°	11.9	13.5	15.1	16.7	17.5	17.5	16.7	14.3	12.7	11.9	12.7
125°	11.1	11.9	13.5	15.1	15.1	15.1	14.3	12.7	11.1	11.1	11.1
127.5°	10.3	11.1	11.9	12.7	13.5	13.5	12.7	11.1	10.3	10.3	10.3
130°	9.5	10.3	11.1	11.1	11.9	11.9	11.1	9.5	9.5	9.5	9.5
132.5°	8.7	9.5	9.5	10.3	10.3	10.3	9.5	8.7	8.7	8.7	8.7
135°	7.9	7.9	8.7	8.7	8.7	8.7	7.9	7.9	7.9	7.9	7.9
137.5°	7.2	7.2	7.9	7.2	7.9	7.2	7.2	6.4	7.2	7.2	7.2
140°	6.4	6.4	6.4	6.4	6.4	6.4	5.6	5.6	6.4	6.4	6.4
142.5°	5.6	5.6	5.6	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6
145°	4.8	4.8	4.8	4.0	4.0	3.2	4.0	4.0	4.8	4.8	4.8
147.5°	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0	4.0
150°	3.2	4.0	4.0	3.2	2.4	1.6	1.6	2.4	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	1.6	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	0.8	0.8
160°	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)