

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: P416927

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6632 lumens
Efficiency: N/A
Efficacy: 79.9 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

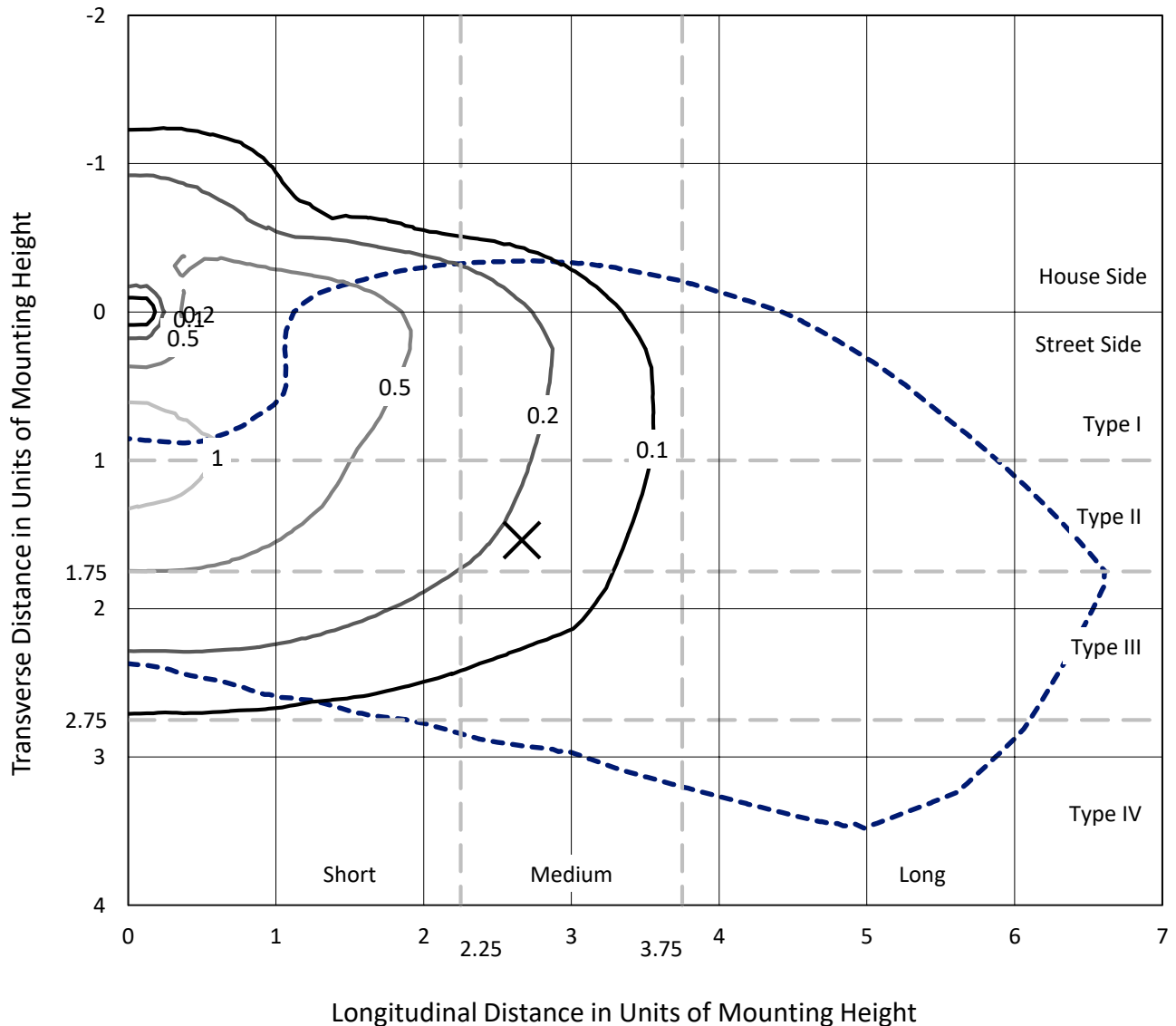
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

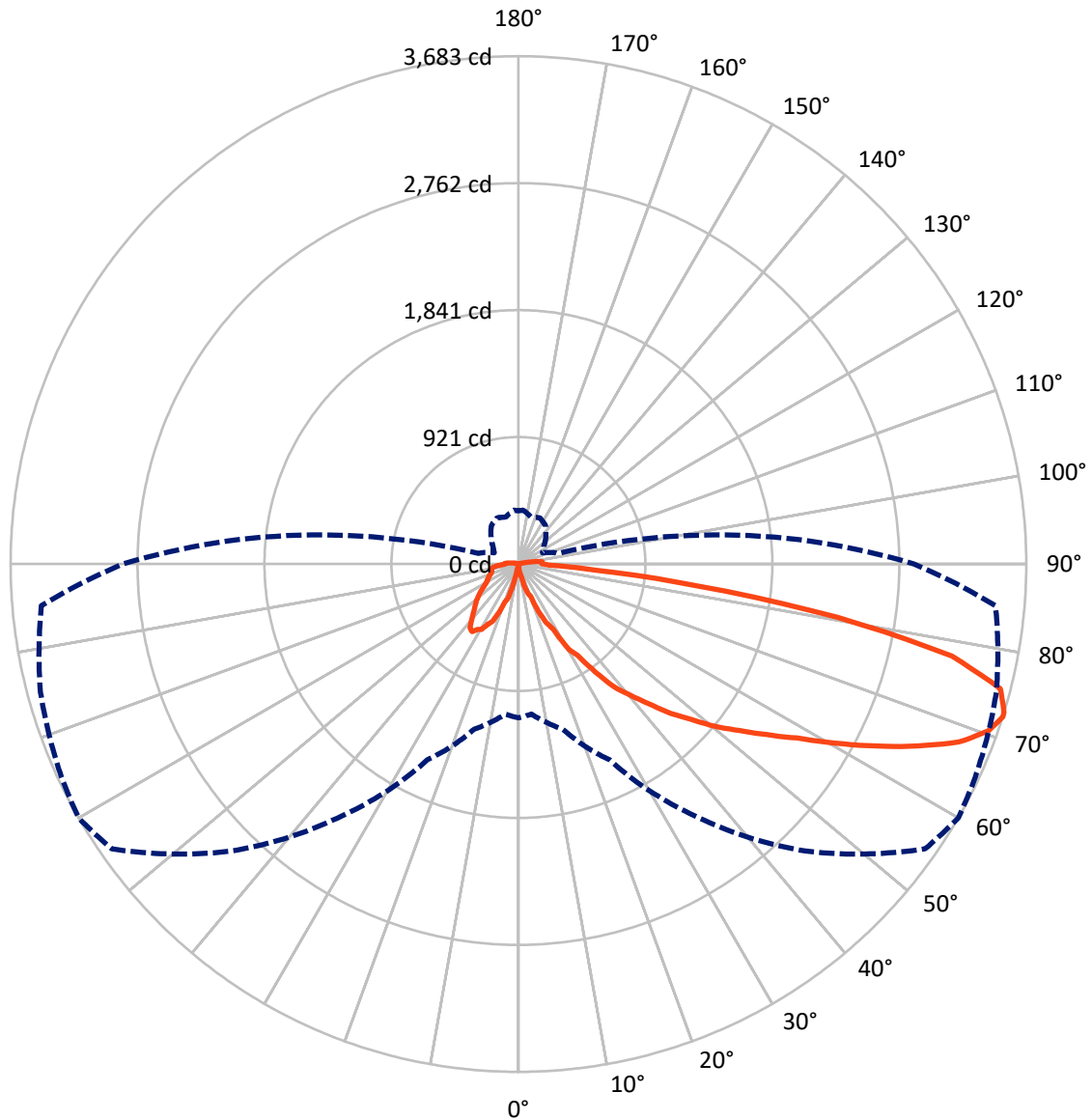
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.4	70.7	1520.2
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5049.7	62.1	5111.8
	% Fixture	76.1	0.9	77.1
Total	Lumens	6499.1	132.8	6632.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	54.2	0.8
20°-30°	226.1	3.4
30°-40°	522.3	7.9
40°-50°	917.2	13.8
50°-60°	1386.3	20.9
60°-70°	1709.2	25.8
70°-80°	1319.6	19.9
80°-90°	360.5	5.4
90°-100°	97.9	1.5
100°-110°	17.0	0.3
110°-120°	6.5	0.1
120°-130°	4.7	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6499.1	98.0
0°-180°	6632.0	100.0



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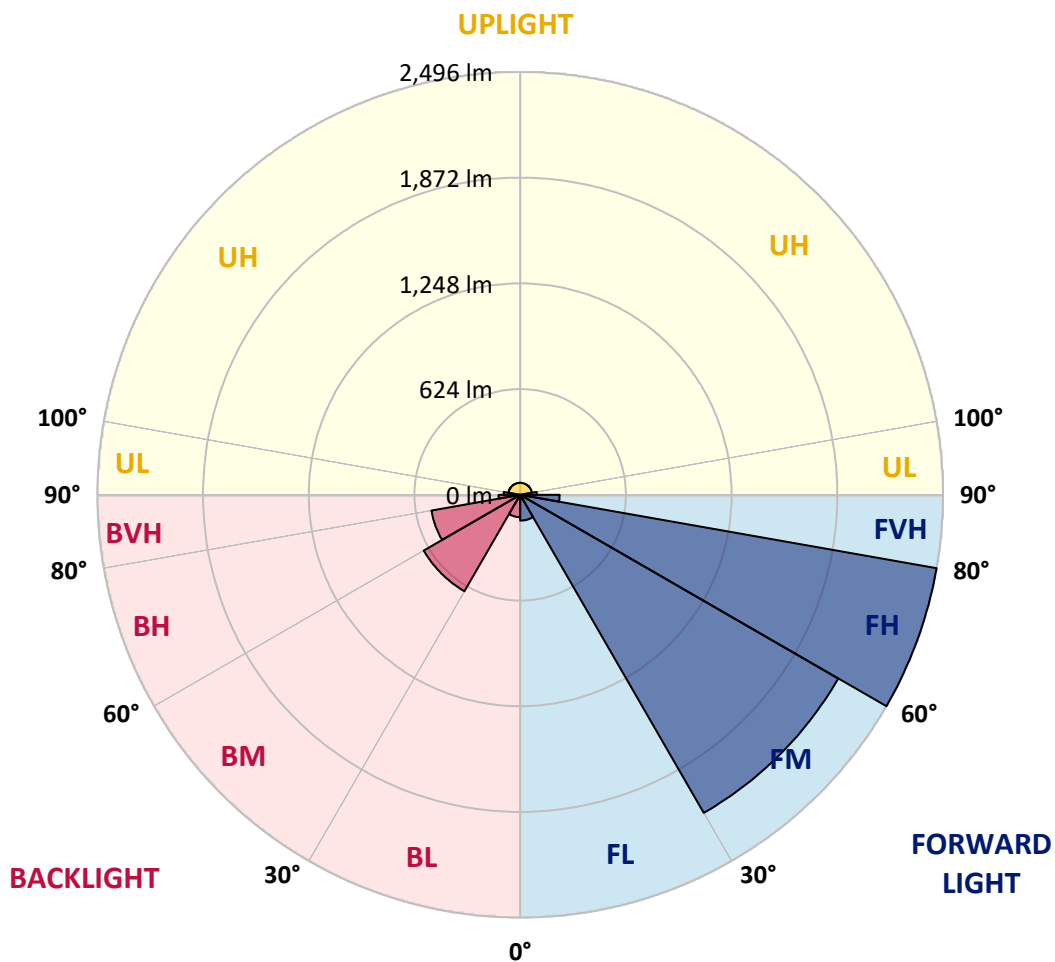
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.2	2.3			
FM	(30°-60°)	2168.4	32.7			
FH	(60°-80°)	2496.3	37.6			G2/5000
FVH	(80°-90°)	232.8	3.5			G3/500
BL	(0°-30°)	131.7	2.0	B1/500		
BM	(30°-60°)	657.4	9.9	B1/1000		
BH	(60°-80°)	532.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	127.7	1.9			G2/225
UL	(90°-100°)	97.9	1.5		U3/500	
UH	(100°-180°)	70.7	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	8.8	8.1	7.4	7.4	8.1	7.4	6.6	5.9	5.1	5.1	4.4
5°	82.3	80.1	79.4	64.0	29.4	22.8	10.3	8.1	6.6	5.1	4.4
7.5°	91.2	90.4	89.7	89.7	88.2	83.8	47.8	23.5	13.2	6.6	5.9
10°	104.4	102.9	98.5	96.3	94.1	92.6	86.0	81.6	36.8	11.0	9.6
12.5°	186.0	183.1	178.7	132.3	113.2	100.0	97.8	94.1	81.6	33.8	68.4
15°	200.0	199.2	196.3	194.1	188.2	125.0	151.4	172.8	195.6	159.5	177.9
17.5°	251.4	244.1	225.0	213.9	210.3	229.4	219.1	222.8	222.8	214.7	203.6
20°	375.7	370.5	361.0	318.3	239.7	295.5	289.7	246.3	253.6	313.9	364.7
22.5°	452.9	447.7	427.9	400.7	395.5	328.6	341.9	373.5	382.3	440.4	439.6
25°	614.6	605.1	562.4	482.3	492.6	424.2	477.1	469.8	447.0	485.2	498.5
27.5°	750.6	742.5	722.0	681.5	571.2	593.3	542.6	533.0	594.0	701.4	699.2
30°	900.6	856.5	801.4	788.9	707.3	672.7	685.9	717.5	740.3	750.6	776.4
32.5°	1092.5	1087.3	1046.2	883.7	858.0	769.0	832.2	788.9	806.5	955.0	1043.2
35°	1225.6	1238.8	1166.0	1069.0	946.9	944.7	918.3	961.6	1046.2	1066.8	1127.8
37.5°	1535.8	1539.5	1474.1	1196.9	1117.5	1041.0	1123.4	1135.1	1158.7	1194.0	1245.4
40°	1769.6	1736.5	1655.7	1449.8	1277.0	1194.0	1252.8	1251.3	1302.8	1367.5	1399.8
42.5°	2057.8	2021.0	1876.2	1643.2	1481.4	1389.5	1395.4	1382.9	1425.5	1527.7	1547.6
45°	2299.7	2283.5	2171.8	1926.2	1707.1	1596.8	1557.1	1541.7	1563.0	1691.7	1702.7
47.5°	2528.3	2484.9	2412.2	2163.7	2035.0	1834.3	1720.3	1683.6	1690.2	1836.5	1868.9
50°	2770.2	2697.4	2607.7	2389.4	2296.0	2132.8	1907.8	1850.5	1852.7	1988.0	2043.1
52.5°	2913.6	2798.1	2740.1	2559.2	2465.1	2383.5	2104.1	2004.9	2015.2	2143.1	2226.9
55°	2824.6	2790.1	2791.5	2683.4	2613.6	2518.0	2294.5	2183.5	2195.3	2345.3	2450.4
57.5°	2674.6	2701.1	2794.5	2790.1	2751.1	2657.7	2484.2	2380.6	2448.2	2573.9	2684.9
60°	2559.2	2589.3	2740.8	2818.7	2891.5	2823.1	2680.5	2635.7	2698.9	2808.4	2941.5
62.5°	2366.6	2390.8	2598.9	2804.8	2887.8	2964.3	2867.2	2907.7	2965.8	3058.4	3220.1
65°	2103.4	2097.5	2356.3	2676.8	2863.6	3043.0	3107.7	3181.9	3234.8	3334.1	3481.1
67.5°	1792.4	1821.8	2039.4	2401.1	2768.7	3082.7	3309.8	3445.8	3478.9	3517.2	3623.0
70°	1463.8	1462.3	1652.7	2037.2	2565.1	3060.6	3501.7	3619.3	3620.1	3597.3	3628.9
72°	1116.0	1092.5	1239.5	1567.4	2227.6	2942.2	3600.2	3682.6	3655.4	3587.7	3472.3
72.5°	958.0	979.3	1117.5	1476.3	2076.2	2883.4	3610.5	3681.8	3652.4	3578.2	3425.3
75°	486.0	455.1	533.7	791.1	1432.2	2329.8	3536.3	3609.8	3527.4	3434.8	3003.3
77.5°	190.4	195.6	226.4	341.9	697.0	1534.3	3052.5	3212.8	3159.9	3094.4	2368.8
80°	133.8	133.8	151.4	194.8	357.3	623.4	2115.1	2348.2	2429.8	2462.2	1584.3
82.5°	97.0	98.5	115.4	136.0	255.1	299.2	1038.8	1305.0	1433.6	1554.2	885.9
85°	90.4	90.4	92.6	91.2	182.3	213.2	377.9	557.3	644.0	755.0	358.0
87.5°	42.6	46.3	68.4	54.4	89.7	131.6	205.9	223.5	228.6	259.5	257.3
90°	27.9	27.9	22.8	23.5	44.1	106.6	165.4	169.1	162.5	190.4	239.7
92.5°	28.7	29.4	21.3	22.1	34.6	97.8	169.8	172.8	167.6	200.0	254.4
95°	26.5	26.5	18.4	19.1	27.2	75.0	169.8	172.8	158.1	199.2	254.4
97.5°	22.1	22.8	14.7	15.4	21.3	36.8	117.6	126.5	100.7	101.5	124.2
100°	19.1	19.1	11.8	12.5	15.4	16.9	59.6	62.5	55.9	25.0	16.9
102.5°	19.1	19.1	10.3	10.3	10.3	9.6	18.4	30.9	25.7	14.7	16.2
105°	18.4	19.1	9.6	8.1	8.1	7.4	9.6	11.8	11.8	11.8	16.9
107.5°	14.7	15.4	7.4	7.4	6.6	6.6	5.1	5.1	7.4	11.0	18.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.8	11.8	5.9	6.6	5.1	5.9	4.4	4.4	6.6	8.1	14.0
112.5°	6.6	6.6	4.4	5.1	4.4	5.1	4.4	4.4	5.1	6.6	8.8
115°	5.9	5.9	3.7	3.7	3.7	3.7	3.7	3.7	4.4	5.9	9.6
117.5°	5.9	5.9	3.7	3.7	3.7	2.9	2.9	3.7	3.7	5.9	9.6
120°	5.9	5.9	3.7	3.7	2.9	2.9	2.9	3.7	3.7	5.9	9.6
122.5°	6.6	5.9	3.7	2.9	2.9	2.9	2.9	2.9	3.7	5.1	9.6
125°	6.6	5.9	4.4	2.9	2.9	2.9	2.9	2.9	3.7	5.1	8.1
127.5°	6.6	6.6	4.4	2.9	2.9	2.9	2.9	2.9	2.9	4.4	7.4
130°	6.6	5.9	4.4	2.9	2.9	2.9	2.9	2.9	2.9	4.4	6.6
132.5°	5.9	5.9	4.4	2.9	3.7	2.9	2.9	2.9	2.9	3.7	5.1
135°	5.1	5.1	3.7	3.7	3.7	2.9	2.9	2.9	2.9	2.9	4.4
137.5°	5.1	5.1	4.4	3.7	3.7	3.7	2.9	2.9	2.9	2.9	3.7
140°	5.1	5.1	4.4	4.4	4.4	3.7	2.9	2.9	2.9	3.7	3.7
142.5°	5.9	5.9	5.1	4.4	4.4	3.7	2.9	2.9	3.7	3.7	3.7
145°	6.6	6.6	5.9	5.1	4.4	2.9	2.9	3.7	3.7	3.7	4.4
147.5°	6.6	6.6	5.9	4.4	3.7	2.9	2.9	3.7	3.7	4.4	4.4
150°	5.9	5.9	5.1	3.7	2.9	2.2	2.9	2.9	3.7	4.4	4.4
152.5°	4.4	4.4	3.7	2.9	2.2	1.5	2.2	2.9	2.9	3.7	4.4
155°	2.9	2.9	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.9	3.7
157.5°	1.5	1.5	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.9
160°	0.7	0.7	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1	5.9	6.6
5°	4.4	4.4	4.4	4.4	5.1	5.9	6.6	7.4	8.1	8.8	8.8
7.5°	5.1	5.1	5.1	5.9	6.6	8.1	18.4	64.7	88.2	96.3	94.1
10°	9.6	9.6	8.8	8.8	10.3	86.0	109.5	119.1	124.2	130.1	130.1
12.5°	76.5	88.2	31.6	17.6	85.3	120.6	129.4	136.0	140.4	146.3	146.3
15°	184.5	187.5	192.6	173.5	167.6	136.7	142.6	193.4	254.4	270.6	272.0
17.5°	207.3	211.0	214.7	254.4	270.6	209.5	241.1	271.3	277.2	283.0	283.0
20°	395.5	401.4	325.7	291.9	285.3	355.1	272.8	280.1	290.4	342.6	347.7
22.5°	448.5	452.1	423.5	441.9	323.5	371.3	358.8	358.8	401.4	404.4	405.1
25°	502.9	523.5	469.1	454.3	460.2	375.7	423.5	382.3	388.2	392.6	393.3
27.5°	733.7	730.8	686.7	519.8	461.7	455.1	411.0	377.2	441.1	458.0	458.8
30°	780.0	772.7	733.0	608.7	479.3	450.7	387.4	436.0	424.2	426.4	427.1
32.5°	1072.6	1060.9	948.4	616.1	500.7	416.1	420.5	405.8	407.3	452.9	454.3
35°	1146.2	1130.0	971.9	712.4	477.1	422.0	388.9	407.3	414.6	412.4	412.4
37.5°	1244.7	1213.8	964.6	669.8	496.3	394.8	372.0	384.5	380.1	408.0	406.6
40°	1352.0	1308.6	968.2	621.2	449.9	370.5	356.6	367.6	364.7	356.6	350.7
42.5°	1488.8	1413.8	967.5	580.8	407.3	362.4	336.7	336.0	323.5	310.3	305.8
45°	1628.4	1524.8	970.5	534.5	374.9	355.8	325.7	308.0	297.0	283.0	279.4
47.5°	1781.4	1643.2	979.3	497.7	350.0	336.0	311.7	290.4	282.3	264.7	263.2
50°	1962.2	1767.4	982.2	468.3	320.5	318.3	301.4	277.9	265.4	247.8	246.3
52.5°	2157.1	1899.0	987.4	424.9	297.8	311.7	307.3	275.0	269.8	247.0	245.6
55°	2341.6	2024.0	985.9	372.7	287.5	305.8	307.3	294.1	286.0	248.5	245.6
57.5°	2563.6	2159.3	963.8	324.2	271.3	297.0	322.0	311.0	302.2	271.3	265.4
60°	2762.1	2298.9	898.4	286.7	257.3	287.5	334.5	323.5	298.5	278.6	272.8
62.5°	2994.4	2419.5	807.2	259.5	252.2	290.4	338.9	331.6	300.7	294.1	291.9
65°	3151.8	2465.1	669.0	237.5	251.4	290.4	337.5	338.9	316.9	323.5	322.7
67.5°	3170.9	2406.3	507.3	220.6	242.6	290.4	335.2	353.6	331.6	358.8	360.2
70°	3079.0	2259.2	369.8	203.6	233.1	286.7	336.0	363.2	342.6	385.2	382.3
72°	2867.2	2036.5	299.2	192.6	225.0	280.8	341.1	368.3	352.2	391.9	385.2
72.5°	2812.1	1968.1	286.0	191.1	223.5	280.1	342.6	369.8	352.9	398.5	390.4
75°	2353.3	1567.4	245.6	180.1	225.7	276.4	350.0	369.1	357.3	402.9	404.4
77.5°	1782.8	1056.5	217.6	170.6	225.0	269.8	347.7	363.2	350.7	387.4	395.5
80°	1103.5	614.6	193.4	169.8	223.5	266.9	338.2	347.7	332.3	361.7	363.9
82.5°	603.6	359.5	167.6	166.9	216.9	258.8	319.8	330.1	315.4	347.7	325.0
85°	308.8	244.1	125.7	136.7	189.7	243.3	298.5	297.8	283.0	294.8	278.6
87.5°	238.2	191.9	81.6	98.5	155.1	200.7	245.6	243.3	224.2	225.7	219.1
90°	219.1	171.3	53.7	69.8	129.4	144.1	170.6	163.9	150.7	153.7	151.4
92.5°	220.6	169.1	51.5	74.3	124.2	129.4	156.6	148.5	135.3	136.7	132.3
95°	215.4	162.5	51.5	65.4	102.9	91.9	112.5	109.5	98.5	93.4	91.2
97.5°	102.9	80.9	47.8	48.5	58.1	50.0	68.4	73.5	58.8	47.1	47.1
100°	17.6	27.2	41.9	49.3	41.9	31.6	43.4	50.0	33.8	15.4	16.9
102.5°	17.6	16.9	32.3	41.9	30.1	16.9	25.0	33.1	21.3	11.8	12.5
105°	19.1	17.6	15.4	28.7	17.6	8.8	9.6	16.9	11.8	11.8	11.8
107.5°	20.6	19.1	11.0	11.0	8.8	8.1	7.4	6.6	8.1	11.8	12.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.4	15.4	10.3	8.8	8.1	8.1	5.9	5.9	8.1	12.5	12.5
112.5°	11.0	11.0	8.8	7.4	6.6	8.1	5.9	5.9	7.4	12.5	13.2
115°	11.0	11.0	8.1	6.6	5.9	6.6	5.9	5.1	7.4	12.5	13.2
117.5°	11.0	11.0	8.1	5.9	5.1	5.1	4.4	5.1	7.4	12.5	13.2
120°	11.0	11.0	8.1	5.9	5.1	4.4	4.4	4.4	7.4	12.5	13.2
122.5°	10.3	10.3	7.4	5.1	4.4	3.7	3.7	4.4	6.6	11.8	12.5
125°	9.6	9.6	6.6	5.1	4.4	3.7	3.7	3.7	6.6	11.0	11.8
127.5°	8.8	8.8	6.6	4.4	3.7	3.7	3.7	3.7	5.9	10.3	11.0
130°	7.4	7.4	5.9	4.4	3.7	2.9	3.7	3.7	5.9	9.6	9.6
132.5°	5.9	5.9	4.4	3.7	3.7	2.9	2.9	3.7	5.1	8.1	8.8
135°	4.4	4.4	4.4	3.7	3.7	2.9	2.9	2.9	4.4	6.6	7.4
137.5°	3.7	4.4	3.7	3.7	3.7	2.9	2.9	2.9	4.4	5.9	5.9
140°	3.7	3.7	3.7	3.7	3.7	2.9	2.9	2.9	4.4	5.1	5.9
142.5°	3.7	4.4	3.7	3.7	3.7	2.9	2.9	3.7	4.4	5.9	5.9
145°	4.4	4.4	4.4	3.7	3.7	2.2	2.2	3.7	4.4	5.9	5.9
147.5°	4.4	4.4	4.4	3.7	2.9	2.2	2.2	2.9	4.4	5.9	5.9
150°	4.4	4.4	4.4	3.7	2.9	1.5	1.5	2.9	3.7	5.1	5.9
152.5°	4.4	4.4	3.7	3.7	2.2	1.5	0.7	2.2	2.9	4.4	4.4
155°	3.7	3.7	3.7	2.9	2.2	0.7	0.0	0.7	2.2	3.7	3.7
157.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.7	0.7	2.2	2.2
160°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
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)