

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: P416917

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6374 lumens
Efficiency: N/A
Efficacy: 76.8 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 - G2

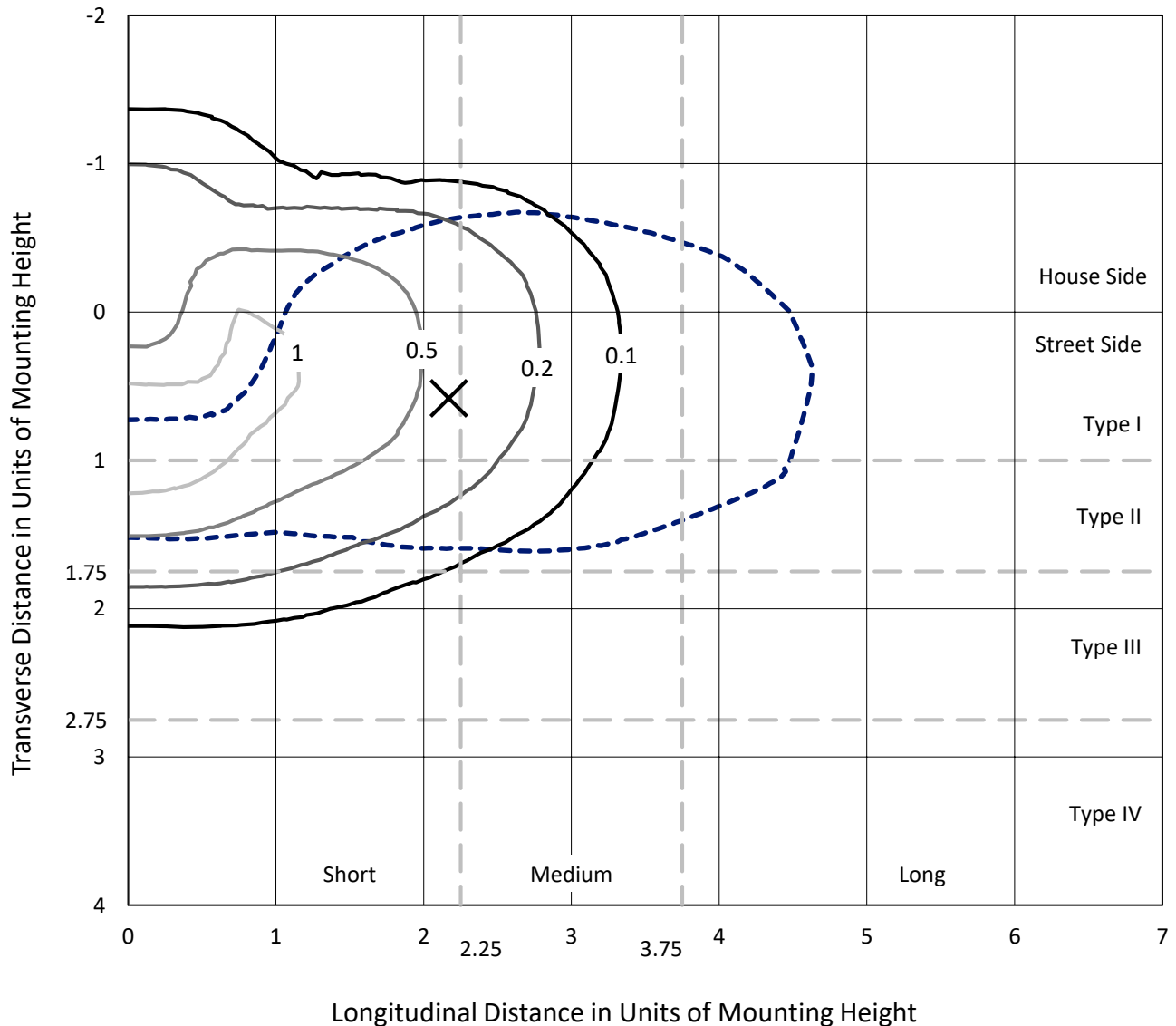
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

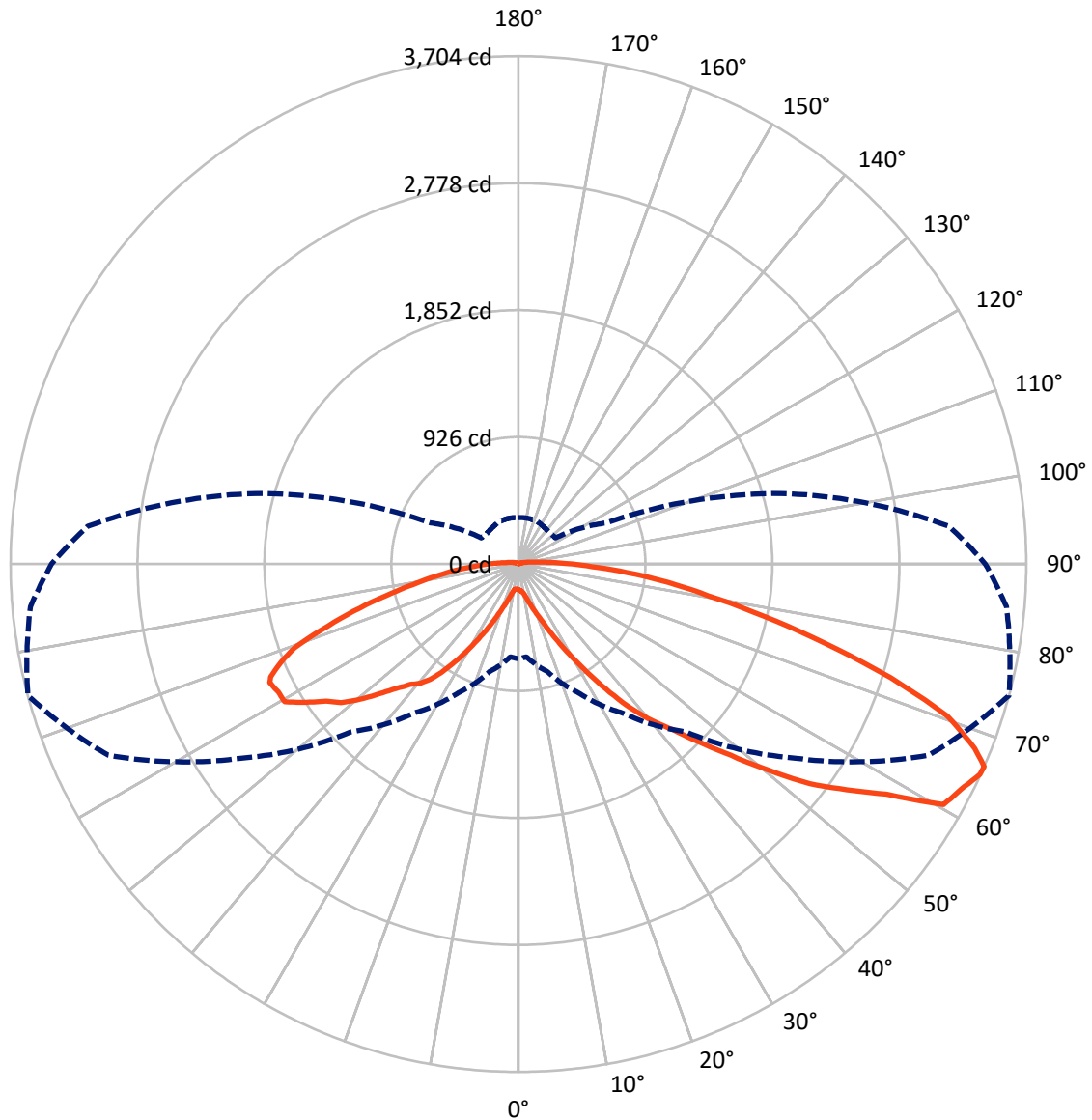
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1810.4	88.4	1898.8
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4387.9	87.4	4475.2
	% Fixture	68.8	1.4	70.2
Total	Lumens	6198.2	175.8	6374.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	80.1	1.3
20°-30°	242.9	3.8
30°-40°	600.9	9.4
40°-50°	1085.0	17.0
50°-60°	1466.1	23.0
60°-70°	1471.7	23.1
70°-80°	888.9	13.9
80°-90°	343.6	5.4
90°-100°	102.1	1.6
100°-110°	36.8	0.6
110°-120°	17.8	0.3
120°-130°	10.5	0.2
130°-140°	6.3	0.1
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6198.2	97.2
0°-180°	6374.0	100.0



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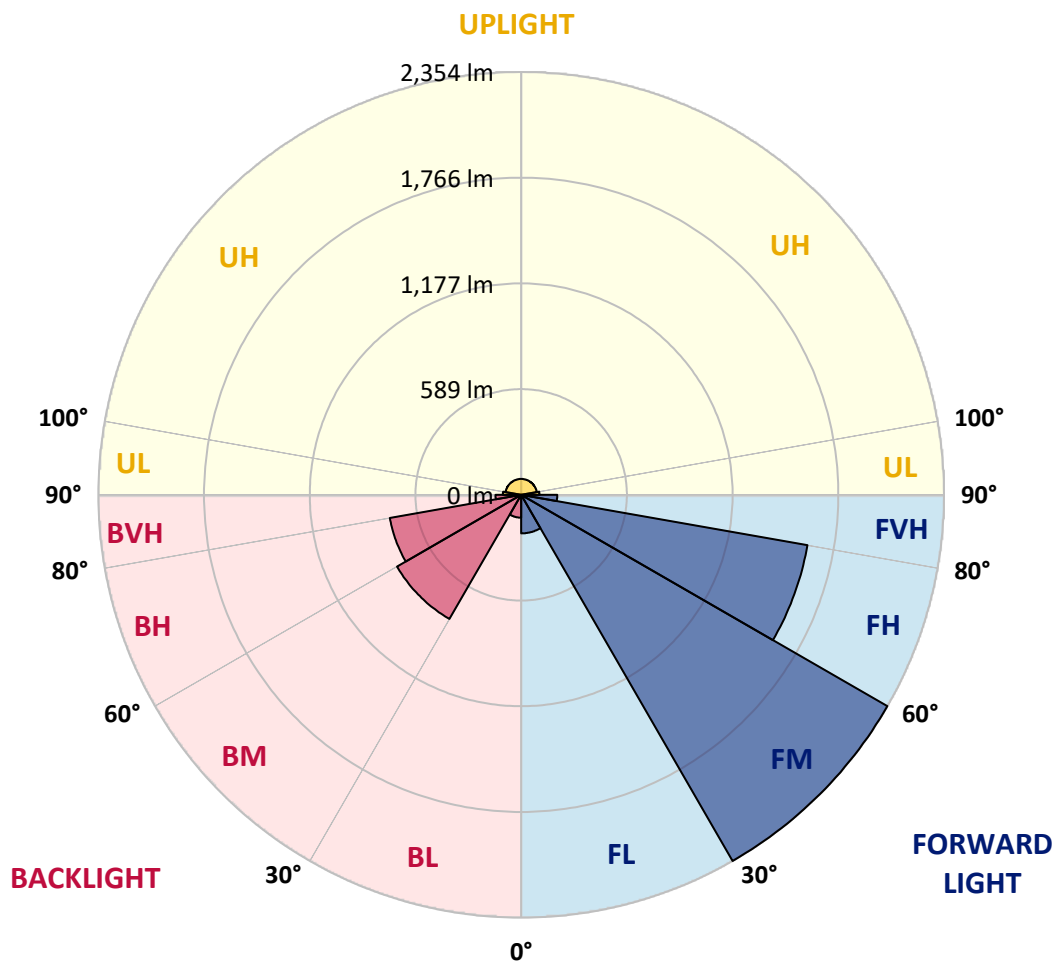
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.7	3.4			
FM (30°-60°)	2354.0	36.9			
FH (60°-80°)	1618.4	25.4			G1/1800
FVH (80°-90°)	200.7	3.1			G2/225
BL (0°-30°)	127.2	2.0	B1/500		
BM (30°-60°)	798.0	12.5	B1/1000		
BH (60°-80°)	742.2	11.6	B2/1000		G2/1000
BVH (80°-90°)	142.9	2.2			G2/225
UL (90°-100°)	102.1	1.6		U3/500	
UH (100°-180°)	88.4	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
2.5°	207.3	205.8	204.3	202.9	201.4	199.9	197.0	193.3	190.4	190.4	187.4
5°	226.4	224.9	222.7	219.8	216.8	213.9	208.0	202.1	196.3	196.3	191.1
7.5°	249.9	249.2	246.2	242.6	236.0	229.3	222.0	213.2	205.1	204.3	197.7
10°	280.1	278.6	274.2	269.0	261.7	252.9	242.6	231.5	219.8	219.0	211.0
12.5°	322.0	319.0	311.7	303.6	289.6	280.8	269.0	258.7	249.9	247.7	236.7
15°	376.4	372.7	364.6	350.6	332.2	316.1	309.5	298.4	288.9	285.9	275.6
17.5°	446.2	442.5	428.5	406.5	387.4	371.2	356.5	345.5	337.4	336.7	322.0
20°	541.7	532.9	510.1	479.3	454.3	434.4	413.8	401.3	393.3	390.3	381.5
22.5°	659.4	657.1	624.8	584.4	543.2	507.2	484.4	470.4	464.6	465.3	460.1
25°	809.3	802.7	771.8	713.0	651.3	605.7	574.1	565.3	564.5	559.4	557.2
27.5°	969.5	960.7	920.3	863.7	782.1	720.4	685.1	675.5	677.7	671.8	676.3
30°	1165.8	1161.4	1102.6	1020.3	932.1	851.2	814.4	806.4	811.5	818.9	814.4
32.5°	1408.4	1415.0	1334.9	1223.9	1100.4	1007.0	966.6	963.7	971.0	969.5	967.3
35°	1703.9	1715.6	1604.6	1470.1	1300.3	1189.3	1138.6	1134.9	1149.6	1148.2	1149.6
37.5°	2020.0	2025.1	1934.7	1721.5	1523.8	1370.2	1328.3	1323.8	1337.8	1329.7	1321.6
40°	2269.1	2293.4	2187.5	2004.5	1746.5	1589.9	1539.2	1515.0	1502.5	1493.6	1434.8
42.5°	2505.1	2490.4	2415.4	2211.8	1975.1	1804.6	1737.0	1691.4	1651.0	1645.1	1580.4
45°	2659.5	2641.1	2569.8	2381.6	2159.6	2018.5	1956.0	1900.9	1855.3	1834.7	1756.8
47.5°	2668.3	2659.5	2642.6	2501.4	2307.4	2184.6	2164.0	2134.6	2084.6	2085.4	1985.4
50°	2533.8	2519.8	2569.0	2515.4	2380.9	2316.2	2394.1	2426.4	2362.5	2355.9	2252.2
52.5°	2295.6	2288.3	2377.9	2430.9	2383.1	2408.1	2593.3	2710.9	2660.9	2634.5	2500.7
55°	2054.5	2063.3	2141.2	2226.5	2305.2	2434.5	2769.7	3004.2	2905.7	2888.1	2721.2
57.5°	1725.9	1755.3	1871.5	2005.3	2128.7	2397.8	2862.3	3190.2	3165.2	3158.6	3016.0
60°	1365.7	1362.8	1534.8	1729.6	1932.5	2276.5	2867.5	3423.9	3562.8	3531.2	3329.8
62.5°	1060.7	1068.0	1191.5	1435.6	1707.6	2092.0	2796.9	3528.3	3620.9	3584.9	3409.2
65°	768.1	779.9	930.6	1127.6	1434.8	1842.8	2596.2	3386.4	3699.6	3677.5	3578.3
66°	690.2	679.9	812.2	1035.7	1327.5	1732.5	2469.8	3300.4	3704.0	3691.5	3573.1
67.5°	555.0	568.2	670.4	865.2	1154.8	1556.9	2241.2	3163.0	3589.3	3572.4	3493.0
70°	410.9	423.4	493.2	649.1	876.2	1241.5	1853.1	2732.2	3318.8	3331.3	3322.5
72.5°	304.3	317.5	365.3	477.8	648.3	923.2	1468.7	2303.0	2838.1	2867.5	2846.9
75°	236.7	241.8	281.5	360.2	474.1	650.5	1086.4	1784.7	2310.3	2364.7	2383.8
77.5°	190.4	194.8	227.1	277.9	355.0	474.9	761.5	1330.5	1828.8	1867.1	1903.1
80°	153.6	156.6	183.0	223.5	272.0	339.6	513.8	966.6	1403.2	1425.3	1478.2
82.5°	123.5	125.7	144.8	179.4	217.6	258.0	365.3	674.8	1101.9	1122.4	1189.3
85°	97.0	98.5	115.4	142.6	174.9	204.3	263.9	477.1	793.9	813.0	893.8
87.5°	76.4	77.9	91.1	111.0	141.1	161.7	194.8	321.2	535.9	563.1	654.9
90°	60.3	61.0	70.6	86.0	109.5	131.6	152.9	224.2	357.2	372.7	424.1
92.5°	45.6	46.3	53.7	65.4	85.3	104.4	116.9	155.1	228.6	235.2	272.0
95°	33.8	34.5	40.4	47.8	64.0	81.6	90.4	108.8	144.1	152.9	162.4
97.5°	26.5	27.2	30.9	35.3	47.0	64.0	72.0	80.1	98.5	101.4	108.8
100°	22.8	22.8	25.0	27.9	35.3	50.0	56.6	63.2	74.2	74.2	78.7
102.5°	19.1	19.1	20.6	22.1	28.7	39.7	45.6	50.0	55.9	56.6	60.3
105°	16.9	16.9	17.6	19.1	24.3	32.3	37.5	39.7	43.4	43.4	44.8
107.5°	14.7	14.7	15.4	16.2	21.3	27.2	30.1	30.9	32.3	32.3	34.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	14.0	14.0	14.0	14.7	18.4	23.5	25.0	24.3	25.0	25.0	27.2
112.5°	13.2	12.5	12.5	13.2	16.9	20.6	20.6	19.8	19.8	19.8	22.1
115°	12.5	12.5	11.8	12.5	15.4	17.6	17.6	16.2	16.2	16.2	18.4
117.5°	12.5	12.5	11.8	11.8	14.0	16.2	15.4	14.0	13.2	14.0	16.2
120°	12.5	12.5	11.0	11.0	13.2	14.0	14.0	11.8	11.8	11.8	14.0
122.5°	12.5	12.5	11.0	11.0	12.5	13.2	12.5	10.3	10.3	10.3	12.5
125°	13.2	12.5	11.0	11.0	11.8	11.8	11.0	9.6	8.8	8.8	11.0
127.5°	13.2	13.2	11.8	11.0	11.0	11.0	10.3	8.8	8.1	8.1	10.3
130°	14.7	14.0	12.5	11.0	10.3	9.6	8.8	8.1	8.1	8.1	9.6
132.5°	14.7	14.7	12.5	10.3	9.6	8.8	8.1	6.6	7.4	7.4	8.8
135°	14.0	13.2	11.0	9.6	8.8	7.4	6.6	5.9	6.6	6.6	8.1
137.5°	12.5	11.8	10.3	8.1	7.4	5.9	5.1	4.4	5.1	5.1	6.6
140°	10.3	10.3	8.1	6.6	5.9	5.1	4.4	2.9	3.7	4.4	5.1
142.5°	8.8	8.1	6.6	5.1	4.4	3.7	2.9	2.2	2.9	2.9	3.7
145°	7.4	6.6	5.1	3.7	2.9	2.2	1.5	1.5	1.5	1.5	2.2
147.5°	5.9	5.1	3.7	2.2	1.5	1.5	0.7	0.7	1.5	1.5	1.5
150°	4.4	4.4	2.9	1.5	0.7	0.7	0.0	0.7	0.7	0.7	0.7
152.5°	3.7	3.7	2.2	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	2.2	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	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°	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
2.5°	186.7	185.2	183.8	182.3	180.8	180.1	177.9	176.4	176.4	176.4	175.7
5°	188.9	186.0	182.3	179.4	175.7	172.7	170.5	168.3	166.9	166.9	166.9
7.5°	194.1	191.1	184.5	178.6	173.5	169.1	166.1	163.9	163.2	162.4	162.4
10°	205.8	200.7	191.9	183.0	175.7	169.8	166.9	165.4	164.7	164.7	164.7
12.5°	232.3	224.9	211.7	197.0	184.5	175.7	172.7	172.7	177.2	179.4	179.4
15°	267.6	260.9	245.5	224.9	205.1	190.4	188.2	193.3	199.2	202.1	201.4
17.5°	316.1	307.3	286.7	259.5	233.0	218.3	211.7	216.8	224.2	227.9	227.9
20°	373.4	364.6	336.7	299.9	267.6	251.4	241.1	241.1	250.7	253.6	255.1
22.5°	452.1	438.8	399.1	348.4	306.5	281.5	269.0	266.8	277.9	283.0	281.5
25°	540.3	530.0	483.7	408.0	353.6	313.1	296.2	296.2	310.2	322.0	322.7
27.5°	663.8	638.0	573.3	480.7	399.1	342.5	324.2	327.8	342.5	354.3	354.3
30°	793.1	774.8	679.9	557.9	443.2	369.7	343.3	349.2	362.4	375.6	375.6
32.5°	949.7	918.8	802.0	634.4	483.7	387.4	353.6	361.7	377.1	390.3	390.3
35°	1102.6	1077.6	924.7	714.5	519.0	394.7	358.0	367.5	385.2	401.3	402.8
37.5°	1280.5	1226.1	1044.5	786.5	544.7	396.2	356.5	373.4	396.9	415.3	416.0
40°	1387.1	1321.6	1125.4	840.2	556.4	391.1	356.5	377.8	397.7	404.3	403.5
42.5°	1513.5	1431.2	1182.0	846.8	541.7	380.8	355.8	372.7	381.5	381.5	380.8
45°	1683.3	1590.7	1271.7	850.5	511.6	368.3	349.9	360.9	358.7	352.1	349.9
47.5°	1891.3	1778.9	1385.6	863.7	482.2	355.8	343.3	346.2	335.9	321.2	320.5
50°	2139.8	2007.5	1519.4	877.7	456.5	345.5	337.4	334.5	324.2	311.7	310.2
52.5°	2372.8	2213.3	1640.7	887.2	435.2	338.9	333.0	332.2	322.0	305.8	304.3
55°	2583.7	2392.6	1722.3	868.8	416.0	335.9	333.0	333.7	320.5	304.3	302.1
57.5°	2888.8	2679.3	1851.6	841.6	393.3	335.2	335.2	335.9	319.8	304.3	302.1
60°	3154.2	2921.1	1978.8	839.4	371.2	334.5	335.9	335.2	323.4	313.9	311.7
62.5°	3245.3	3023.3	1984.7	786.5	357.2	330.8	333.0	336.7	334.5	330.0	327.8
65°	3417.3	3174.7	2009.7	727.0	337.4	324.2	329.3	338.9	340.3	337.4	335.2
66°	3404.8	3153.4	1985.4	708.6	330.8	320.5	327.1	337.4	340.3	339.6	338.1
67.5°	3343.1	3098.3	1905.3	656.4	321.2	313.9	323.4	333.7	340.3	342.5	341.1
70°	3176.2	2932.2	1745.8	577.8	302.8	298.4	311.7	324.9	335.9	339.6	338.9
72.5°	2706.5	2474.2	1460.6	493.2	277.1	276.4	291.8	308.0	321.2	324.9	323.4
75°	2272.1	2043.5	1199.6	406.5	250.7	251.4	266.1	281.5	291.8	291.8	292.6
77.5°	1821.5	1628.2	950.4	337.4	223.5	223.5	233.7	246.2	252.9	249.9	245.5
80°	1401.0	1273.1	742.4	282.3	196.3	194.8	199.9	209.5	214.6	208.0	202.9
82.5°	1131.3	1021.0	587.3	235.2	169.8	168.3	170.5	177.2	180.1	172.7	170.5
85°	858.6	759.3	441.8	193.3	147.0	143.3	147.0	148.5	152.2	145.5	141.1
87.5°	607.2	538.1	320.5	161.0	125.7	123.5	122.8	124.2	126.4	122.0	119.8
90°	408.0	358.0	231.5	134.5	107.3	103.6	102.2	102.2	103.6	96.3	94.1
92.5°	261.7	231.5	161.0	107.3	89.7	85.3	82.3	83.1	82.3	75.0	73.5
95°	163.2	147.7	116.1	84.5	72.0	68.4	65.4	64.7	64.0	58.8	57.3
97.5°	106.6	101.4	86.7	66.9	57.3	54.4	52.9	52.2	52.2	48.5	46.3
100°	79.4	77.2	68.4	55.9	47.0	44.8	43.4	43.4	44.8	41.9	40.4
102.5°	61.7	62.5	55.9	47.0	39.7	38.2	36.8	36.8	38.2	36.8	36.0
105°	47.0	47.0	45.6	39.0	33.8	33.1	31.6	31.6	33.1	33.1	33.1
107.5°	36.8	38.2	36.8	32.3	29.4	28.7	27.2	27.2	28.7	29.4	30.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.4	30.9	30.1	27.9	25.7	25.0	23.5	22.8	24.3	26.5	26.5
112.5°	23.5	25.0	25.0	23.5	22.1	22.1	20.6	19.8	21.3	23.5	23.5
115°	19.8	21.3	21.3	20.6	19.8	19.1	17.6	16.9	18.4	20.6	21.3
117.5°	16.9	18.4	18.4	18.4	17.6	16.9	15.4	14.7	15.4	17.6	18.4
120°	15.4	16.2	16.2	16.2	15.4	15.4	14.0	13.2	14.0	16.2	16.2
122.5°	13.2	14.0	14.7	14.7	14.0	14.0	12.5	11.0	11.8	14.0	14.7
125°	11.8	12.5	13.2	13.2	12.5	12.5	11.0	10.3	11.0	12.5	13.2
127.5°	11.0	11.8	11.8	11.8	11.8	11.0	9.6	8.8	9.6	11.8	11.8
130°	10.3	11.0	11.0	11.0	10.3	9.6	8.8	8.1	8.8	11.0	11.0
132.5°	9.6	10.3	10.3	9.6	9.6	8.8	7.4	6.6	8.1	9.6	9.6
135°	8.1	8.8	8.8	8.8	8.1	7.4	6.6	5.9	7.4	8.1	8.1
137.5°	6.6	7.4	7.4	7.4	6.6	5.9	5.1	5.1	5.9	7.4	7.4
140°	5.1	5.9	5.9	5.9	5.1	5.1	4.4	3.7	5.1	5.9	5.9
142.5°	3.7	4.4	4.4	4.4	3.7	3.7	2.9	2.9	4.4	5.1	5.1
145°	2.2	2.9	2.9	2.9	2.9	2.2	2.2	2.2	2.9	3.7	3.7
147.5°	1.5	2.2	2.2	2.2	2.2	1.5	0.7	1.5	2.2	2.9	2.9
150°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.7	1.5	2.2	2.2
152.5°	0.7	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.0
157.5°	0.0	0.0	0.0	0.7	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)