

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: P417324

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6696 lumens
Efficiency: N/A
Efficacy: 71.2 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 - G3

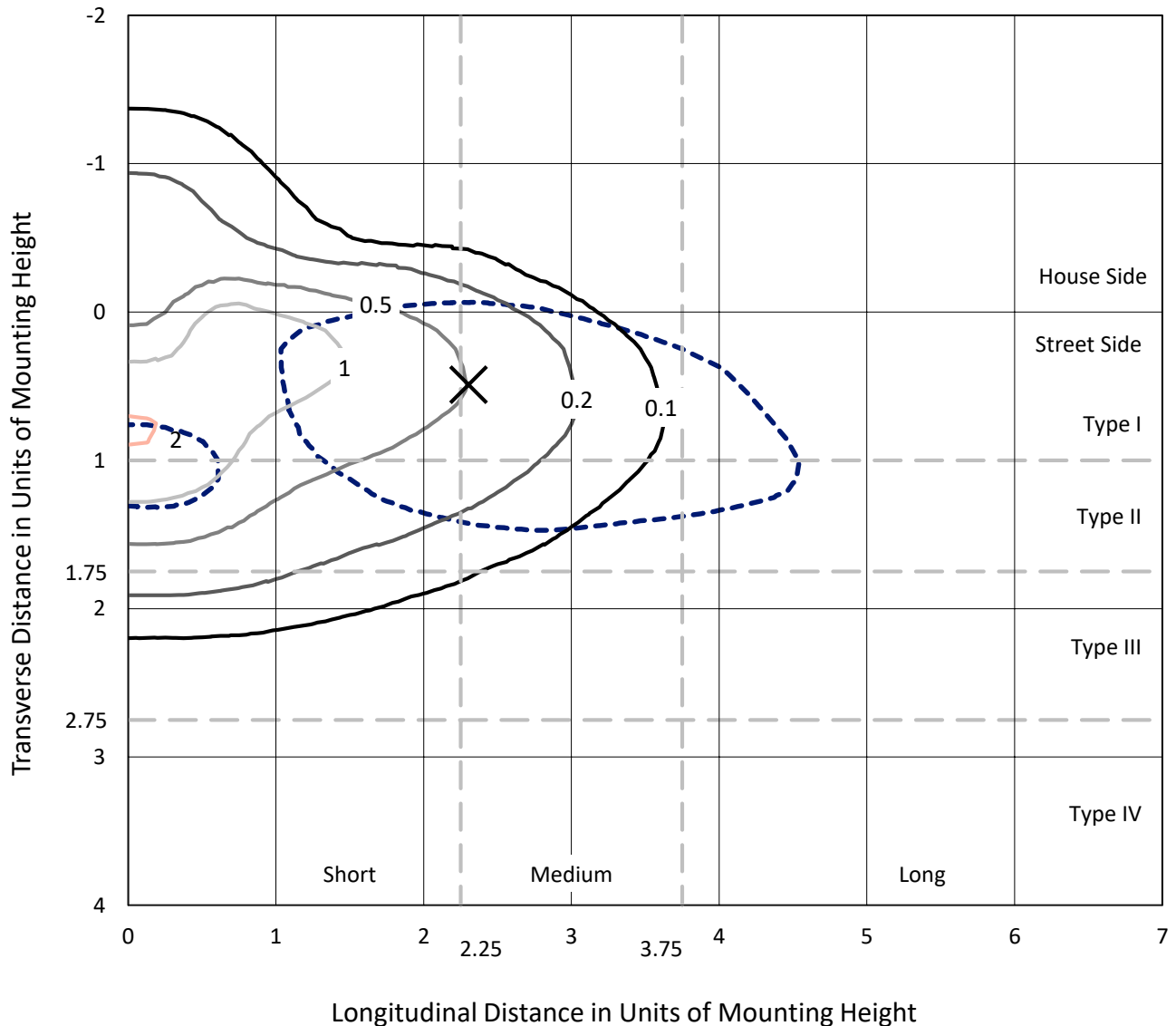
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

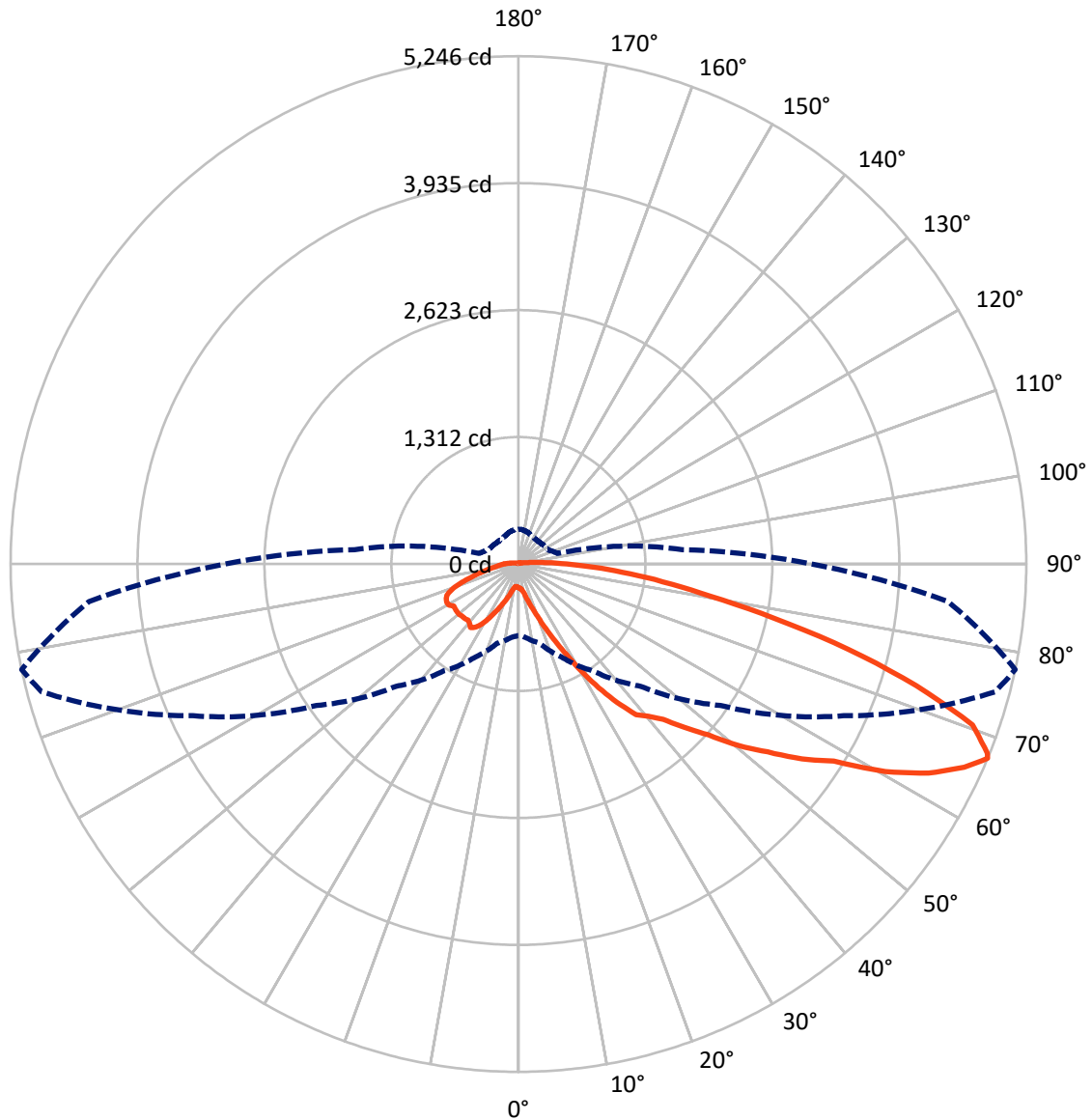
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.8	101.3	1340.1
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	5248.0	107.9	5355.9
	% Fixture	78.4	1.6	80.0
Total	Lumens	6486.8	209.3	6696.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.4
10°-20°	104.1	1.6
20°-30°	312.4	4.7
30°-40°	715.2	10.7
40°-50°	1142.3	17.1
50°-60°	1407.8	21.0
60°-70°	1467.3	21.9
70°-80°	951.4	14.2
80°-90°	361.7	5.4
90°-100°	111.7	1.7
100°-110°	42.9	0.6
110°-120°	23.2	0.3
120°-130°	15.3	0.2
130°-140°	10.1	0.2
140°-150°	4.5	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6486.8	96.9
0°-180°	6696.0	100.0



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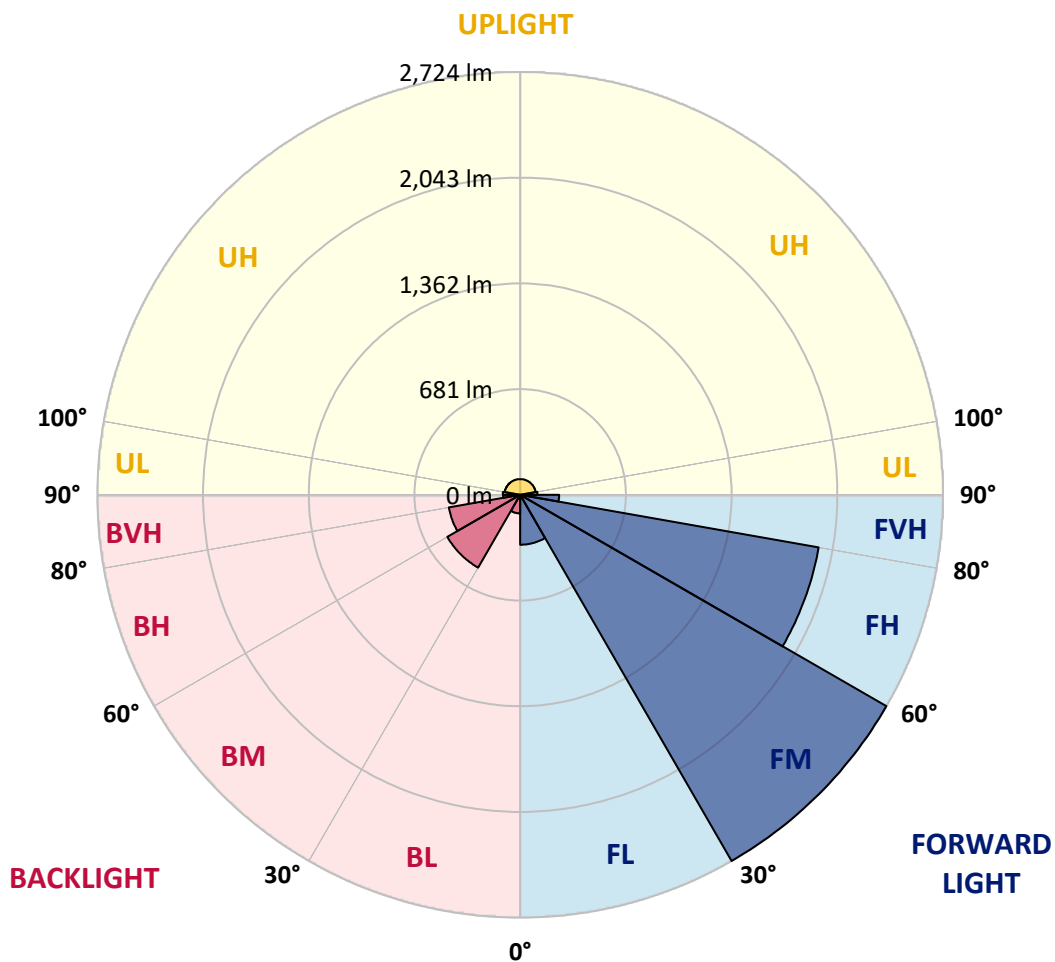
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.5	4.8			
FM (30°-60°)	2723.6	40.7			
FH (60°-80°)	1952.0	29.2			G2/5000
FVH (80°-90°)	250.9	3.7			G3/500
BL (0°-30°)	119.7	1.8	B1/500		
BM (30°-60°)	541.6	8.1	B1/1000		
BH (60°-80°)	466.7	7.0	B1/500		G1/500
BVH (80°-90°)	110.8	1.7			G2/225
UL (90°-100°)	111.7	1.7		U3/500	
UH (100°-180°)	101.3	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1
2.5°	275.8	275.0	274.2	272.6	269.5	266.3	261.5	255.2	250.5	249.7	244.9
5°	310.7	308.3	308.3	304.3	298.0	291.7	282.2	271.1	262.3	257.6	250.5
7.5°	353.5	348.7	350.3	344.0	335.3	324.2	309.1	294.0	277.4	272.6	262.3
10°	405.0	401.8	398.7	390.7	380.4	363.0	348.7	326.5	304.3	298.0	282.2
12.5°	467.6	468.4	458.9	450.2	432.7	415.3	397.9	376.5	351.9	344.8	324.2
15°	555.6	554.8	544.5	524.7	503.3	484.3	470.0	447.0	423.2	415.3	384.4
17.5°	658.6	656.2	648.3	613.4	592.1	577.0	556.4	542.1	508.0	499.3	461.3
20°	809.2	794.9	776.7	730.0	698.3	679.2	662.6	644.4	607.9	592.8	547.7
22.5°	976.4	983.6	950.3	878.2	825.1	790.2	772.8	763.2	735.5	725.2	657.0
25°	1184.1	1184.1	1131.8	1052.5	983.6	918.6	914.6	925.7	888.5	881.3	809.2
27.5°	1402.8	1411.6	1342.6	1257.8	1153.2	1077.1	1073.1	1082.7	1079.5	1058.9	955.8
30°	1652.5	1644.6	1566.9	1463.9	1325.2	1235.6	1224.5	1293.5	1299.0	1284.8	1172.2
32.5°	1943.4	1937.0	1839.6	1680.2	1509.1	1406.0	1413.2	1510.6	1548.7	1524.1	1392.5
35°	2296.9	2304.8	2151.8	1927.5	1701.6	1582.8	1590.7	1712.7	1784.1	1754.0	1605.7
37.5°	2659.9	2662.2	2522.0	2218.4	1908.5	1739.7	1758.7	1907.7	1999.7	1975.1	1771.4
40°	2889.7	2913.5	2778.8	2490.3	2126.5	1896.6	1912.5	2059.9	2113.8	2067.8	1828.5
42.5°	3091.0	3109.3	2972.1	2662.2	2292.1	2036.9	2031.4	2143.1	2220.8	2192.2	1945.8
45°	3190.1	3225.8	3102.1	2781.9	2408.6	2146.3	2103.5	2270.7	2443.5	2407.8	2136.0
47.5°	3118.0	3161.6	3109.3	2844.5	2460.9	2215.2	2224.7	2454.6	2678.1	2638.5	2343.6
50°	2882.6	2934.9	2952.3	2797.8	2474.4	2249.3	2350.8	2659.9	2959.5	2951.5	2598.8
52.5°	2598.8	2626.6	2702.7	2656.7	2424.5	2288.9	2487.1	2858.8	3249.5	3225.0	2810.5
55°	2336.5	2373.0	2435.6	2408.6	2300.8	2293.7	2594.9	3080.7	3557.8	3554.7	3076.8
57.5°	1975.1	2025.8	2157.4	2172.4	2140.7	2264.4	2673.3	3255.1	3830.5	3841.6	3343.9
60°	1516.2	1559.0	1758.7	1918.0	1945.8	2195.4	2713.0	3446.9	4296.5	4354.4	3810.7
62.5°	1229.3	1237.2	1388.6	1587.5	1776.2	2069.4	2719.3	3689.4	4703.9	4756.2	4090.5
65°	920.2	918.6	1058.1	1284.8	1547.1	1922.0	2699.5	3765.5	4925.0	5059.0	4357.6
67°	739.5	756.9	846.5	1062.0	1349.0	1784.1	2545.7	3709.2	5098.6	5246.0	4455.0
67.5°	710.9	719.7	801.3	1005.0	1303.8	1742.9	2500.6	3695.0	5097.8	5223.0	4425.7
70°	567.5	579.4	638.8	773.5	1043.0	1472.6	2182.7	3363.7	4795.8	4978.1	4157.0
72.5°	438.3	447.8	489.8	592.1	794.2	1185.7	1805.5	2894.5	4153.1	4297.3	3524.6
75°	333.7	336.8	376.5	446.2	606.3	904.3	1394.1	2279.4	3415.2	3524.6	2864.3
77.5°	258.4	265.5	295.6	342.4	450.2	680.8	1049.4	1775.4	2716.9	2700.3	2178.0
80°	201.3	207.7	229.8	262.3	337.6	500.1	768.0	1312.5	1984.6	2004.4	1594.7
82.5°	161.7	166.4	181.5	205.3	260.0	380.4	561.1	981.2	1509.1	1501.9	1169.0
85°	129.2	132.4	143.5	164.1	200.5	288.5	414.5	729.2	1065.2	1073.9	798.1
87.5°	100.7	104.6	117.3	130.0	158.5	219.5	305.9	505.7	708.6	715.7	548.5
90°	78.5	80.8	91.9	105.4	128.4	166.4	221.1	346.4	456.5	447.8	352.7
92.5°	57.9	60.2	70.5	83.2	99.9	128.4	159.3	221.9	267.1	272.6	220.3
95°	41.2	43.6	52.3	61.8	76.1	97.5	113.3	141.1	164.1	159.3	141.1
97.5°	31.7	32.5	38.8	46.0	57.9	75.3	84.0	97.5	107.8	105.4	98.3
100°	25.4	26.2	30.9	34.9	45.2	59.4	67.4	74.5	80.8	78.5	75.3
102.5°	21.4	22.2	25.4	28.5	37.3	49.9	54.7	59.4	61.8	61.8	60.2
105°	18.2	19.0	21.4	24.6	31.7	41.2	44.4	46.8	49.1	48.3	48.3
107.5°	16.6	16.6	19.0	21.4	27.7	34.9	36.5	37.3	38.0	38.0	39.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.1	15.9	17.4	19.0	24.6	30.9	30.9	30.1	30.1	30.1	32.5
112.5°	14.3	15.1	15.9	18.2	23.0	26.9	26.2	24.6	24.6	25.4	27.7
115°	14.3	14.3	15.1	17.4	21.4	24.6	23.0	20.6	20.6	21.4	23.8
117.5°	14.3	14.3	15.9	17.4	20.6	22.2	20.6	18.2	17.4	18.2	20.6
120°	15.1	15.1	15.9	17.4	19.0	20.6	19.0	16.6	15.9	16.6	19.0
122.5°	15.9	15.9	15.9	17.4	18.2	19.0	17.4	15.1	14.3	15.1	17.4
125°	16.6	16.6	16.6	17.4	18.2	17.4	15.9	14.3	14.3	14.3	16.6
127.5°	18.2	18.2	18.2	18.2	17.4	16.6	15.1	13.5	14.3	14.3	15.9
130°	19.8	19.8	19.0	18.2	17.4	15.9	14.3	12.7	13.5	14.3	15.9
132.5°	20.6	19.8	19.0	17.4	16.6	14.3	12.7	11.9	12.7	13.5	15.1
135°	19.0	19.0	17.4	15.9	15.1	12.7	11.1	11.1	11.9	12.7	13.5
137.5°	16.6	16.6	15.9	14.3	13.5	11.9	10.3	9.5	11.1	11.9	12.7
140°	14.3	14.3	13.5	11.9	11.1	10.3	8.7	7.9	9.5	10.3	11.1
142.5°	11.9	11.9	11.1	9.5	9.5	8.7	7.1	7.1	8.7	8.7	9.5
145°	9.5	9.5	9.5	7.9	7.9	7.1	5.5	6.3	7.1	7.9	7.9
147.5°	7.9	7.9	7.9	6.3	6.3	5.5	4.0	4.8	5.5	6.3	6.3
150°	6.3	6.3	6.3	5.5	4.8	4.0	3.2	4.0	4.0	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	3.2	3.2	4.0	4.0
155°	3.2	3.2	4.0	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	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°	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1
2.5°	242.5	240.9	237.0	233.0	229.1	225.9	221.9	221.1	221.1	219.5	219.5
5°	245.7	240.9	231.4	223.5	214.8	207.7	202.1	199.7	197.4	195.8	194.2
7.5°	252.8	244.9	229.1	216.4	203.7	192.6	184.7	180.7	178.3	176.0	176.7
10°	269.5	257.6	234.6	214.0	195.0	179.9	170.4	165.6	164.1	161.7	161.7
12.5°	305.1	289.3	256.0	221.1	191.8	171.2	160.1	158.5	160.1	162.5	162.5
15°	361.4	337.6	289.3	240.9	198.9	169.6	163.3	168.0	173.6	176.7	176.7
17.5°	430.4	397.9	328.9	263.9	209.2	183.9	176.0	182.3	189.4	194.2	194.2
20°	506.5	462.9	369.3	283.7	224.3	203.7	195.0	200.5	210.0	217.2	216.4
22.5°	605.5	542.1	416.1	301.2	242.5	221.9	216.4	223.5	237.8	247.3	248.1
25°	728.4	641.2	470.8	324.2	259.2	237.8	239.4	252.0	271.1	281.4	281.4
27.5°	859.1	749.0	517.5	347.1	276.6	254.4	262.3	279.8	300.4	312.3	313.9
30°	1031.9	887.7	576.2	370.1	291.7	271.1	280.6	301.2	316.2	323.4	324.2
32.5°	1207.9	1019.2	623.0	393.9	305.9	282.9	291.7	311.5	325.0	332.9	332.1
35°	1367.2	1125.4	650.7	405.0	318.6	291.7	295.6	317.0	325.0	329.7	328.9
37.5°	1489.2	1201.5	661.0	407.4	323.4	295.6	297.2	315.4	326.5	335.3	333.7
40°	1509.8	1191.2	622.2	393.1	322.6	295.6	298.8	319.4	331.3	335.3	334.5
42.5°	1585.9	1219.8	588.9	367.8	313.1	294.8	302.0	321.0	326.5	324.2	321.8
45°	1718.3	1280.0	579.4	355.1	301.2	292.5	303.6	317.0	316.2	311.5	309.9
47.5°	1849.1	1337.9	558.8	349.5	298.0	291.7	302.8	312.3	314.7	309.9	308.3
50°	2015.5	1414.7	542.1	341.6	298.8	291.7	301.2	312.3	313.9	305.9	305.1
52.5°	2164.5	1467.8	517.5	334.5	299.6	294.0	301.2	312.3	313.1	305.1	303.6
55°	2319.9	1524.1	492.2	327.3	302.0	296.4	303.6	313.1	313.9	308.3	306.7
57.5°	2475.2	1573.3	463.7	321.8	304.3	301.2	305.1	313.9	320.2	318.6	318.6
60°	2792.2	1714.3	458.9	322.6	306.7	305.1	306.7	317.8	329.7	325.7	326.5
62.5°	2917.5	1744.4	450.2	332.9	313.9	308.3	309.1	321.0	333.7	339.2	338.4
65°	3031.6	1746.8	432.7	340.0	322.6	310.7	310.7	321.8	343.2	355.9	355.9
67°	3025.2	1699.3	420.1	340.8	326.5	313.1	309.9	321.8	344.0	358.2	359.0
67.5°	2988.8	1668.4	415.3	340.8	327.3	313.1	309.1	321.0	344.0	359.0	359.0
70°	2769.2	1505.9	384.4	332.1	325.0	309.1	304.3	313.1	339.2	359.8	359.8
72.5°	2293.7	1239.6	340.8	310.7	309.9	298.8	291.7	301.2	326.5	347.9	347.1
75°	1853.8	990.7	297.2	279.0	286.9	279.0	273.4	280.6	305.1	326.5	325.0
77.5°	1385.4	744.2	256.8	248.9	260.0	254.4	249.7	256.8	280.6	301.2	298.0
80°	1024.0	573.8	223.5	220.3	228.3	226.7	225.1	228.3	248.9	262.3	260.0
82.5°	753.7	436.7	192.6	190.2	199.7	199.7	199.7	202.1	217.2	221.9	219.5
85°	535.8	328.9	169.6	163.3	171.2	175.2	177.5	178.3	186.3	187.0	181.5
87.5°	377.3	259.2	152.2	138.7	142.7	151.4	155.3	154.6	157.7	155.3	149.8
90°	263.1	203.7	137.9	118.1	118.1	126.8	133.2	132.4	133.2	126.8	121.3
92.5°	185.5	153.8	116.5	97.5	95.9	104.6	110.2	109.4	109.4	103.0	97.5
95°	124.4	113.3	92.7	78.5	76.1	83.2	88.8	87.2	87.2	80.8	78.5
97.5°	91.9	86.4	76.1	66.6	61.8	65.8	69.7	69.7	70.5	66.6	64.2
100°	72.1	69.7	65.0	57.1	52.3	53.1	55.5	55.5	58.7	55.5	53.9
102.5°	60.2	58.7	54.7	49.1	45.2	44.4	46.0	46.8	50.7	48.3	47.6
105°	49.9	49.1	46.8	42.0	38.8	38.8	38.8	39.6	43.6	42.0	42.0
107.5°	40.4	40.4	40.4	36.5	34.1	34.1	33.3	34.1	37.3	37.3	37.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.1	34.1	34.9	31.7	30.1	30.1	29.3	30.1	33.3	34.1	34.1
112.5°	29.3	29.3	30.1	28.5	26.9	26.9	26.2	26.2	29.3	31.7	31.7
115°	25.4	26.2	26.2	25.4	24.6	23.8	23.0	23.8	26.9	29.3	29.3
117.5°	22.2	23.0	23.8	23.0	22.2	21.4	20.6	21.4	24.6	27.7	27.7
120°	19.8	20.6	21.4	21.4	20.6	19.8	18.2	19.8	22.2	25.4	26.2
122.5°	18.2	19.0	19.0	19.0	19.0	17.4	16.6	17.4	19.8	23.0	23.8
125°	17.4	17.4	18.2	18.2	17.4	15.9	15.1	15.9	17.4	19.8	20.6
127.5°	16.6	16.6	17.4	17.4	15.9	14.3	13.5	14.3	15.9	17.4	17.4
130°	16.6	16.6	16.6	15.9	15.1	13.5	11.9	12.7	14.3	15.9	15.9
132.5°	15.9	15.1	15.1	15.1	13.5	11.9	11.1	11.1	12.7	14.3	14.3
135°	14.3	14.3	13.5	13.5	12.7	10.3	9.5	9.5	11.1	12.7	12.7
137.5°	12.7	12.7	11.9	11.9	11.1	9.5	7.9	8.7	10.3	10.3	11.1
140°	11.1	11.1	10.3	10.3	9.5	7.9	6.3	7.1	8.7	8.7	9.5
142.5°	9.5	9.5	9.5	8.7	7.9	6.3	5.5	6.3	7.9	7.9	7.9
145°	7.9	7.9	7.9	7.1	6.3	4.8	4.0	5.5	7.1	6.3	6.3
147.5°	6.3	6.3	6.3	6.3	4.8	4.0	3.2	4.8	5.5	5.5	5.5
150°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.0	4.8	4.0	1.6	1.6	3.2	4.0	4.0	4.0
155°	3.2	3.2	4.0	4.0	3.2	1.6	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	1.6	3.2	2.4	2.4
160°	1.6	2.4	2.4	2.4	2.4	1.6	0.0	1.6	2.4	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

(END OF REPORT)