

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: P417144

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8835 lumens
Efficiency: N/A
Efficacy: 94.0 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): 94
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

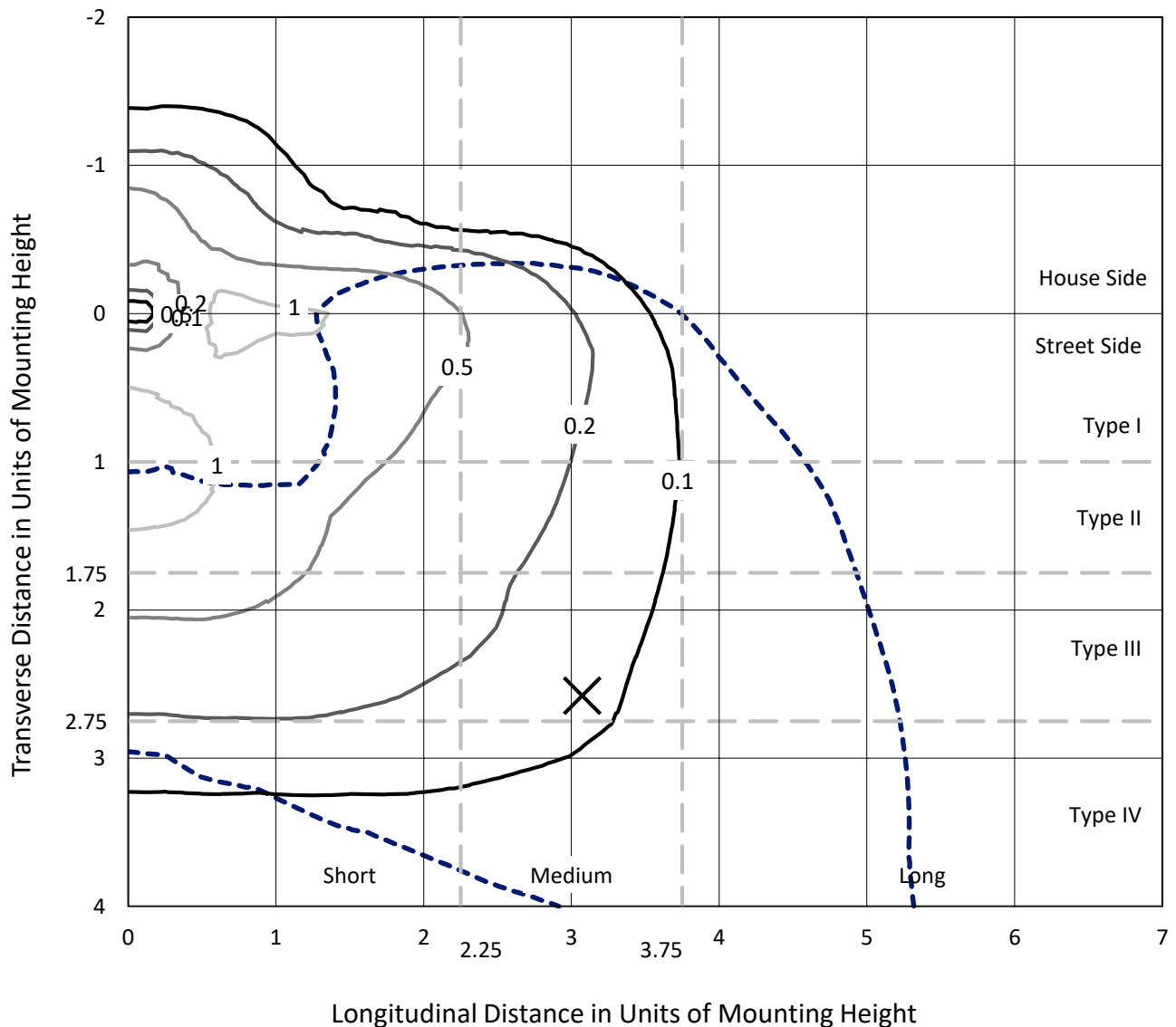


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

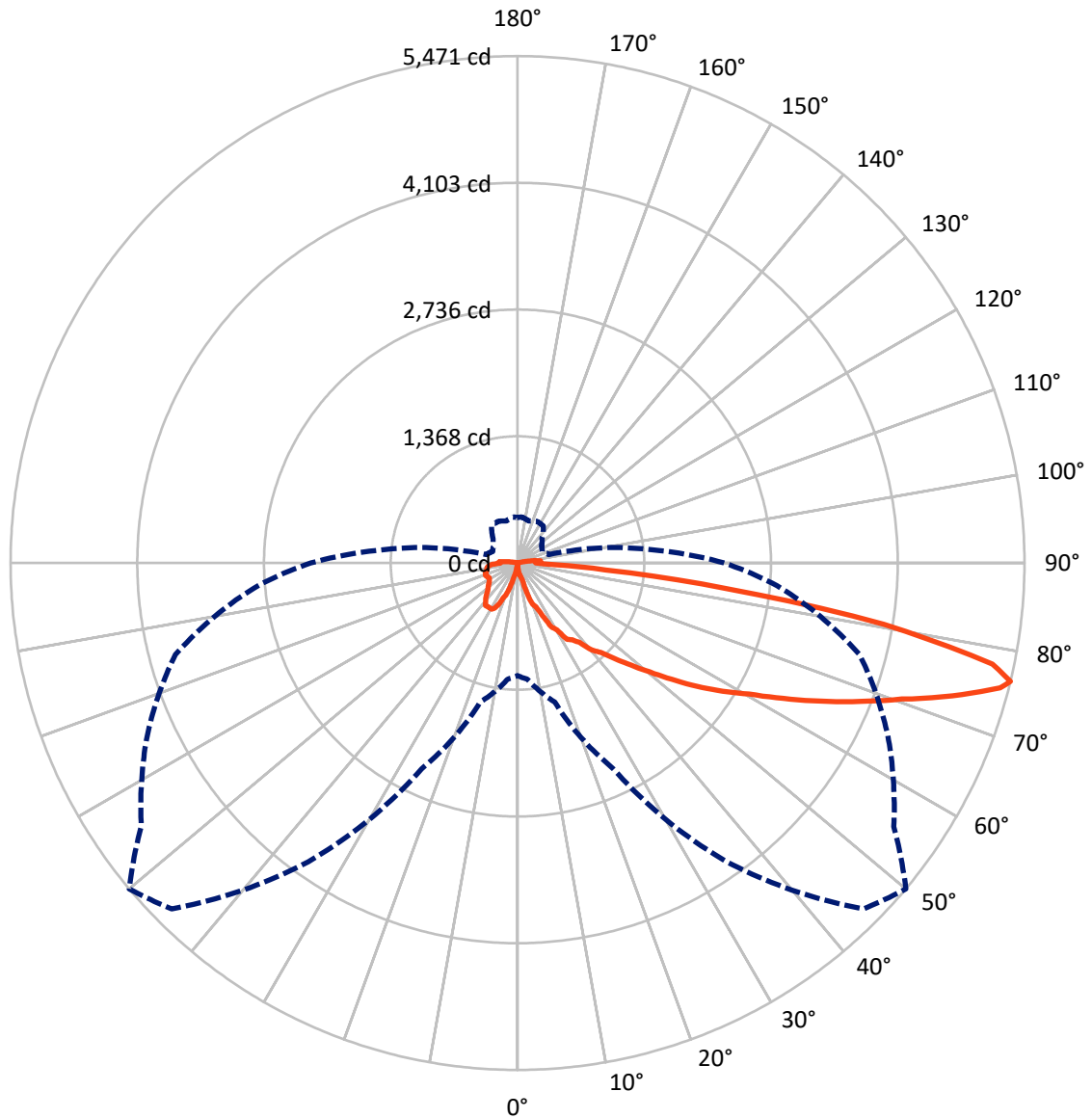


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1928.3	108.7	2036.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	6710.9	87.2	6798.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	8639.1	195.9	8835.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	73.7	0.8
20°-30°	288.2	3.3
30°-40°	620.4	7.0
40°-50°	1010.7	11.4
50°-60°	1627.1	18.4
60°-70°	2370.1	26.8
70°-80°	2114.4	23.9
80°-90°	529.6	6.0
90°-100°	155.1	1.8
100°-110°	23.0	0.3
110°-120°	6.6	0.1
120°-130°	4.5	0.1
130°-140°	3.0	0.0
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8639.1	97.8
0°-180°	8835.0	100.0



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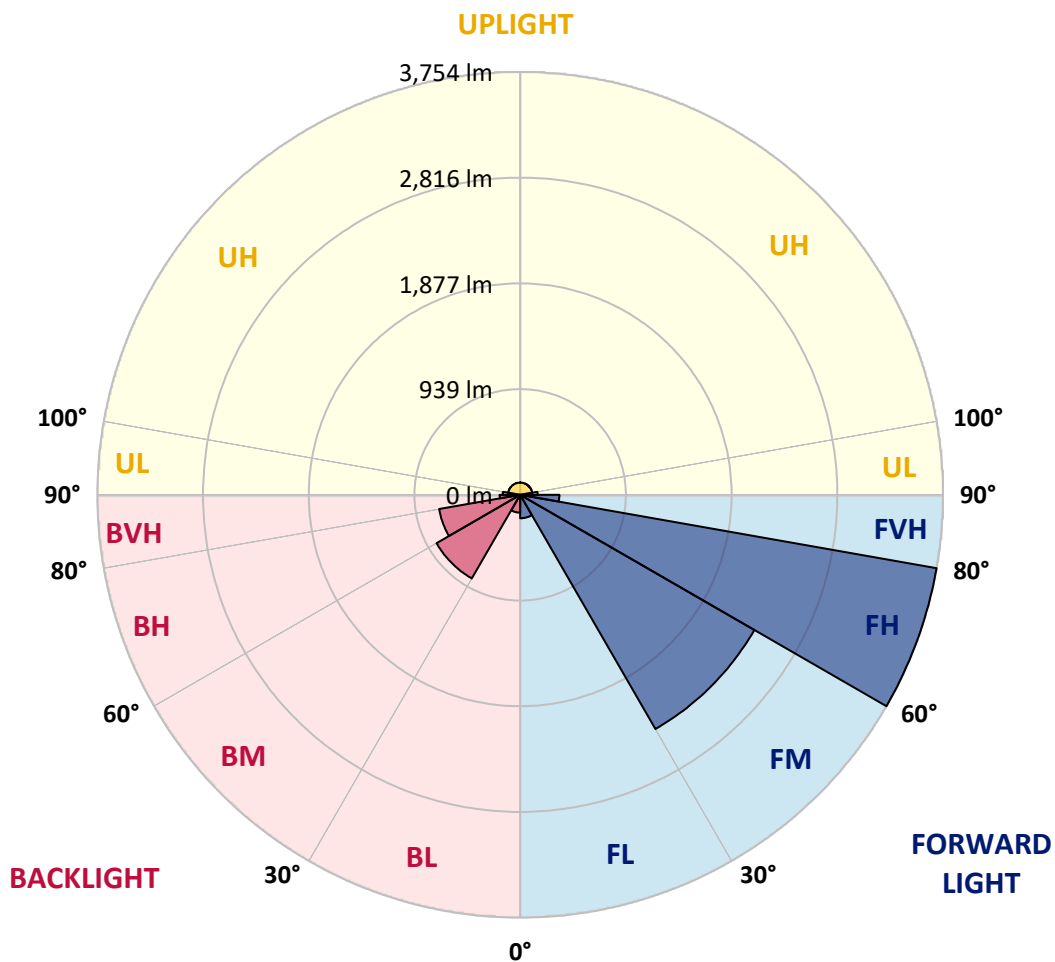
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.3	2.4			
FM (30°-60°)	2400.8	27.2			
FH (60°-80°)	3754.0	42.5			G2/5000
FVH (80°-90°)	347.8	3.9			G3/500
BL (0°-30°)	158.5	1.8	B1/500		
BM (30°-60°)	857.4	9.7	B1/1000		
BH (60°-80°)	730.5	8.3	B2/1000		G2/1000
BVH (80°-90°)	181.9	2.1			G2/225
UL (90°-100°)	155.1	1.8		U3/500	
UH (100°-180°)	108.7	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	12.8	9.8	8.8	7.9	7.9	6.9	6.9	5.9	5.9	5.9	5.9
5°	123.7	119.8	111.0	103.1	35.3	29.5	24.5	18.7	6.9	6.9	5.9
7.5°	148.3	145.3	139.4	135.5	129.6	120.8	111.0	52.0	20.6	7.9	6.9
10°	194.4	179.7	167.9	158.1	151.2	136.5	132.6	124.7	34.4	14.7	10.8
12.5°	347.6	339.7	327.9	222.9	183.6	157.1	151.2	144.3	111.9	53.0	95.2
15°	382.9	375.1	363.3	348.6	327.0	193.4	181.6	225.8	288.7	217.0	226.8
17.5°	449.7	445.8	414.4	379.0	357.4	380.0	381.0	345.6	327.9	286.7	261.2
20°	623.5	619.6	601.9	511.6	404.5	480.1	478.2	460.5	368.2	423.2	455.6
22.5°	649.0	644.1	628.4	603.9	640.2	526.3	513.5	513.5	543.0	575.4	536.1
25°	854.2	849.3	729.5	635.3	686.3	626.4	628.4	695.2	600.9	631.4	602.9
27.5°	892.5	885.7	875.8	813.0	722.7	793.4	782.6	746.2	781.6	871.9	841.5
30°	1041.8	966.2	933.8	897.4	853.3	840.5	835.6	901.4	926.9	921.0	929.8
32.5°	1208.7	1205.8	1174.3	957.3	965.2	903.3	982.9	1012.3	973.0	1118.4	1211.6
35°	1452.2	1352.1	1291.2	1146.8	1004.5	1044.7	1017.2	1047.7	1182.2	1195.9	1285.3
37.5°	1825.3	1819.4	1680.0	1265.6	1158.6	1069.3	1088.9	1173.4	1261.7	1281.4	1402.1
40°	2133.6	2105.2	2016.8	1577.9	1259.8	1156.7	1235.2	1216.6	1309.8	1378.6	1494.4
42.5°	2362.4	2388.9	2338.9	1826.3	1463.0	1295.1	1318.7	1294.1	1380.5	1509.2	1627.0
45°	2581.4	2570.6	2604.9	2078.7	1658.4	1472.8	1470.9	1411.0	1510.1	1654.5	1809.6
47.5°	2760.1	2744.4	2779.7	2352.6	1883.3	1633.9	1647.6	1570.0	1665.3	1836.1	2080.6
50°	2959.4	2929.0	2952.5	2582.4	2176.8	1866.6	1847.9	1788.0	1842.0	2074.7	2411.5
52.5°	3199.0	3177.4	3135.2	2811.1	2479.3	2106.1	2082.6	2024.6	2083.6	2371.3	2777.8
55°	3414.0	3389.5	3355.1	3126.3	2730.6	2349.7	2350.6	2292.7	2407.6	2695.3	3202.9
57.5°	3637.9	3626.1	3643.8	3478.8	3090.0	2604.0	2609.9	2574.5	2780.7	3028.1	3653.6
60°	3823.5	3805.8	3904.0	3839.2	3409.1	2894.6	2871.0	2909.3	3161.7	3375.7	4110.2
62.5°	3894.2	3905.9	4091.5	4171.0	3718.4	3207.8	3216.7	3268.7	3514.2	3792.0	4550.1
65°	3562.3	3603.5	4122.0	4229.0	4063.0	3555.4	3597.6	3588.8	3875.5	4098.4	4921.2
67.5°	3201.9	3249.1	3812.7	4243.7	4330.1	3963.9	3985.5	3898.1	4186.8	4289.9	5198.1
70°	2946.6	2983.0	3446.4	4160.2	4494.1	4390.0	4399.8	4237.8	4412.6	4514.7	5188.3
72.5°	2504.8	2543.1	2971.2	3845.1	4596.2	4906.5	4906.5	4549.1	4595.2	4509.8	4581.5
75°	1692.8	1707.5	2058.0	2984.9	4332.1	5327.7	5378.8	4888.8	4532.4	4096.4	3417.0
76°	1215.6	1260.7	1554.3	2450.8	3934.4	5279.6	5471.1	4957.5	4409.6	3822.5	2812.1
77.5°	644.1	685.4	917.1	1569.1	3191.1	4909.4	5240.3	4746.4	4020.8	3281.5	2079.6
80°	252.3	249.4	315.2	558.7	1616.2	3734.1	4010.0	3498.5	2719.8	1900.9	987.8
82.5°	138.4	152.2	200.3	295.5	701.1	2060.0	2265.2	1845.9	1388.4	876.8	577.3
85°	88.4	90.3	117.8	182.6	433.0	868.0	953.4	790.4	650.0	538.1	410.4
87.5°	53.0	55.0	61.9	84.4	214.1	255.3	278.9	327.9	373.1	370.2	354.5
90°	36.3	36.3	30.4	33.4	100.2	204.2	196.4	209.1	190.5	241.5	341.7
92.5°	35.3	35.3	29.5	30.4	85.4	226.8	227.8	226.8	201.3	246.5	359.4
95°	31.4	32.4	25.5	26.5	62.8	212.1	249.4	241.5	203.3	248.4	358.4
97.5°	26.5	27.5	19.6	22.6	42.2	143.4	185.6	189.5	126.7	125.7	162.0
100°	19.6	20.6	13.7	17.7	25.5	65.8	99.2	93.3	62.8	34.4	22.6
102.5°	18.7	19.6	11.8	13.7	15.7	22.6	36.3	27.5	23.6	19.6	19.6
105°	20.6	20.6	10.8	9.8	9.8	10.8	8.8	12.8	13.7	14.7	20.6
107.5°	17.7	18.7	7.9	7.9	6.9	6.9	5.9	5.9	7.9	12.8	22.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	13.7	13.7	6.9	6.9	4.9	5.9	5.9	4.9	6.9	9.8	17.7
112.5°	7.9	8.8	3.9	5.9	3.9	4.9	4.9	3.9	5.9	6.9	9.8
115°	7.9	7.9	3.9	2.9	2.9	2.9	3.9	3.9	4.9	6.9	10.8
117.5°	7.9	7.9	3.9	2.9	2.0	2.9	2.9	2.9	4.9	6.9	10.8
120°	7.9	7.9	3.9	2.0	2.0	2.0	2.0	2.9	4.9	6.9	10.8
122.5°	8.8	7.9	3.9	2.0	2.0	2.0	2.0	2.9	4.9	6.9	9.8
125°	8.8	7.9	3.9	2.0	2.0	2.0	2.0	2.9	3.9	5.9	8.8
127.5°	8.8	7.9	3.9	2.0	2.0	2.0	2.0	2.9	3.9	5.9	7.9
130°	7.9	7.9	3.9	2.0	2.0	2.0	2.0	2.9	3.9	5.9	7.9
132.5°	7.9	6.9	3.9	2.0	2.0	2.0	2.0	2.9	3.9	4.9	6.9
135°	6.9	5.9	3.9	2.0	2.9	2.0	2.9	2.9	3.9	4.9	5.9
137.5°	5.9	5.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	4.9	4.9
140°	6.9	5.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	4.9	4.9
142.5°	7.9	6.9	4.9	3.9	3.9	2.9	2.9	3.9	3.9	4.9	4.9
145°	7.9	7.9	5.9	4.9	2.9	2.9	2.9	3.9	4.9	4.9	5.9
147.5°	8.8	7.9	5.9	4.9	2.9	2.0	2.9	2.9	4.9	5.9	5.9
150°	7.9	7.9	4.9	3.9	2.0	1.0	2.0	2.9	4.9	5.9	5.9
152.5°	5.9	5.9	3.9	2.0	1.0	1.0	2.0	2.9	3.9	4.9	5.9
155°	3.9	3.9	2.0	1.0	0.0	1.0	1.0	2.0	2.9	3.9	4.9
157.5°	2.0	2.0	1.0	0.0	0.0	1.0	1.0	2.0	2.9	3.9	3.9
160°	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0	2.9	2.9
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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	5.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	4.9
5°	5.9	5.9	4.9	4.9	4.9	3.9	3.9	5.9	6.9	7.9	7.9
7.5°	5.9	5.9	5.9	4.9	5.9	7.9	31.4	90.3	99.2	105.1	107.0
10°	10.8	9.8	8.8	7.9	14.7	100.2	123.7	134.5	139.4	144.3	144.3
12.5°	103.1	103.1	42.2	23.6	101.1	134.5	141.4	149.2	156.1	163.0	164.0
15°	223.9	220.9	213.1	195.4	168.9	152.2	159.1	235.7	276.9	295.5	292.6
17.5°	256.3	252.3	247.4	281.8	293.6	234.7	273.9	304.4	313.2	323.0	322.1
20°	475.2	470.3	366.2	327.9	321.1	393.7	313.2	320.1	335.8	428.1	431.0
22.5°	532.2	526.3	490.0	499.8	375.1	427.1	413.4	433.0	483.1	497.8	499.8
25°	623.5	599.9	555.7	522.4	531.2	445.8	514.5	482.1	500.8	518.4	521.4
27.5°	863.1	849.3	770.8	585.2	542.0	557.7	536.1	524.3	626.4	663.8	666.7
30°	929.8	916.1	817.9	677.5	571.5	571.5	540.0	653.9	658.8	678.5	683.4
32.5°	1263.7	1236.2	1039.8	688.3	593.1	545.9	611.7	644.1	722.7	781.6	791.4
35°	1341.3	1317.7	1073.2	786.5	573.4	568.5	577.3	678.5	736.4	771.8	779.6
37.5°	1421.8	1395.3	1069.3	749.2	607.8	542.0	561.6	634.3	717.8	809.1	820.9
40°	1531.7	1499.3	1074.2	701.1	569.5	512.5	527.3	608.8	665.7	722.7	732.5
42.5°	1679.0	1614.2	1083.0	657.9	525.3	499.8	502.7	549.9	576.4	599.9	599.9
45°	1877.4	1772.3	1086.0	612.7	481.1	470.3	474.3	495.9	505.7	490.9	484.1
47.5°	2143.5	1967.7	1122.3	572.4	443.8	437.9	440.9	447.7	442.8	404.5	397.7
50°	2453.7	2197.5	1141.9	537.1	416.3	415.3	410.4	410.4	392.8	349.6	346.6
52.5°	2796.4	2471.4	1158.6	493.9	396.7	401.6	401.6	381.0	354.5	320.1	317.1
55°	3231.4	2787.6	1183.2	456.6	380.0	379.0	389.8	364.3	336.8	307.3	307.3
57.5°	3663.4	3122.4	1212.6	424.2	361.3	363.3	379.0	358.4	343.7	331.9	330.9
60°	4095.4	3468.0	1165.5	394.7	354.5	350.5	376.1	381.0	363.3	370.2	377.0
62.5°	4501.0	3688.9	976.0	369.2	341.7	347.6	401.6	432.0	426.1	419.3	421.2
65°	4692.4	3734.1	791.4	346.6	332.9	368.2	442.8	489.0	469.3	446.8	444.8
67.5°	4724.8	3617.3	582.3	332.9	327.9	404.5	475.2	501.7	472.3	463.4	455.6
70°	4497.0	3320.7	465.4	318.1	331.9	410.4	495.9	498.8	477.2	487.0	477.2
72.5°	3824.4	2766.0	407.5	304.4	332.9	395.7	495.9	499.8	475.2	503.7	498.8
75°	2738.5	1939.2	362.3	292.6	322.1	379.0	489.0	498.8	469.3	500.8	492.9
76°	2230.8	1538.6	349.6	295.5	317.1	373.1	487.0	495.9	470.3	498.8	490.9
77.5°	1473.8	1005.5	327.9	293.6	308.3	370.2	482.1	491.9	469.3	492.9	485.1
80°	788.5	569.5	295.5	273.9	297.5	372.1	478.2	482.1	450.7	477.2	467.4
82.5°	519.4	424.2	255.3	248.4	286.7	375.1	476.2	470.3	435.0	477.2	450.7
85°	407.5	350.5	191.5	199.3	261.2	362.3	470.3	453.6	421.2	433.0	417.3
87.5°	345.6	288.7	114.9	142.4	228.8	308.3	417.3	375.1	356.4	368.2	361.3
90°	325.0	255.3	64.8	100.2	171.8	205.2	263.1	244.5	236.6	250.4	247.4
92.5°	327.9	249.4	63.8	95.2	183.6	220.9	272.0	250.4	226.8	226.8	223.9
95°	313.2	232.7	62.8	75.6	165.9	215.0	255.3	224.9	182.6	173.8	170.8
97.5°	136.5	112.9	58.9	57.9	95.2	148.3	185.6	161.0	120.8	94.3	94.3
100°	22.6	36.3	51.1	56.0	56.0	78.6	105.1	99.2	57.9	30.4	31.4
102.5°	23.6	20.6	35.3	46.1	36.3	32.4	48.1	59.9	38.3	11.8	12.8
105°	24.5	21.6	17.7	32.4	20.6	10.8	14.7	27.5	17.7	11.8	11.8
107.5°	26.5	22.6	10.8	11.8	8.8	8.8	7.9	6.9	8.8	11.8	12.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.6	18.7	9.8	8.8	7.9	8.8	5.9	5.9	6.9	11.8	12.8
112.5°	11.8	11.8	8.8	6.9	6.9	7.9	4.9	4.9	6.9	12.8	12.8
115°	11.8	11.8	7.9	5.9	4.9	5.9	4.9	3.9	6.9	12.8	13.7
117.5°	11.8	11.8	7.9	5.9	4.9	3.9	3.9	3.9	6.9	12.8	13.7
120°	11.8	10.8	6.9	4.9	4.9	2.9	2.9	2.9	5.9	12.8	13.7
122.5°	10.8	10.8	6.9	4.9	3.9	2.9	2.9	2.9	5.9	11.8	12.8
125°	9.8	9.8	6.9	4.9	3.9	2.9	2.0	2.9	5.9	10.8	11.8
127.5°	8.8	8.8	5.9	4.9	3.9	2.9	2.0	2.9	5.9	10.8	11.8
130°	7.9	7.9	5.9	3.9	3.9	2.0	2.0	2.0	5.9	9.8	10.8
132.5°	6.9	6.9	4.9	3.9	2.9	2.0	1.0	2.0	4.9	8.8	8.8
135°	5.9	5.9	4.9	3.9	2.9	2.0	1.0	2.0	3.9	6.9	7.9
137.5°	4.9	4.9	3.9	3.9	2.9	2.0	1.0	2.0	2.9	5.9	5.9
140°	4.9	4.9	3.9	3.9	2.9	2.0	1.0	2.0	2.9	4.9	5.9
142.5°	4.9	4.9	3.9	3.9	2.9	2.0	1.0	2.0	2.9	4.9	5.9
145°	5.9	4.9	4.9	3.9	2.9	2.0	1.0	2.0	3.9	5.9	5.9
147.5°	5.9	5.9	4.9	3.9	2.9	2.0	1.0	2.0	3.9	5.9	5.9
150°	5.9	5.9	4.9	3.9	2.9	1.0	0.0	1.0	2.9	4.9	5.9
152.5°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0	2.0	3.9	3.9
155°	4.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0	1.0	2.0	2.0
157.5°	3.9	3.9	2.9	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
160°	2.9	2.9	2.0	2.0	1.0	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)