

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: P588436

Luminaire Tested: **ARC-CA6-130-750-U-33-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC-CA6-130-750-U-33-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17186 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

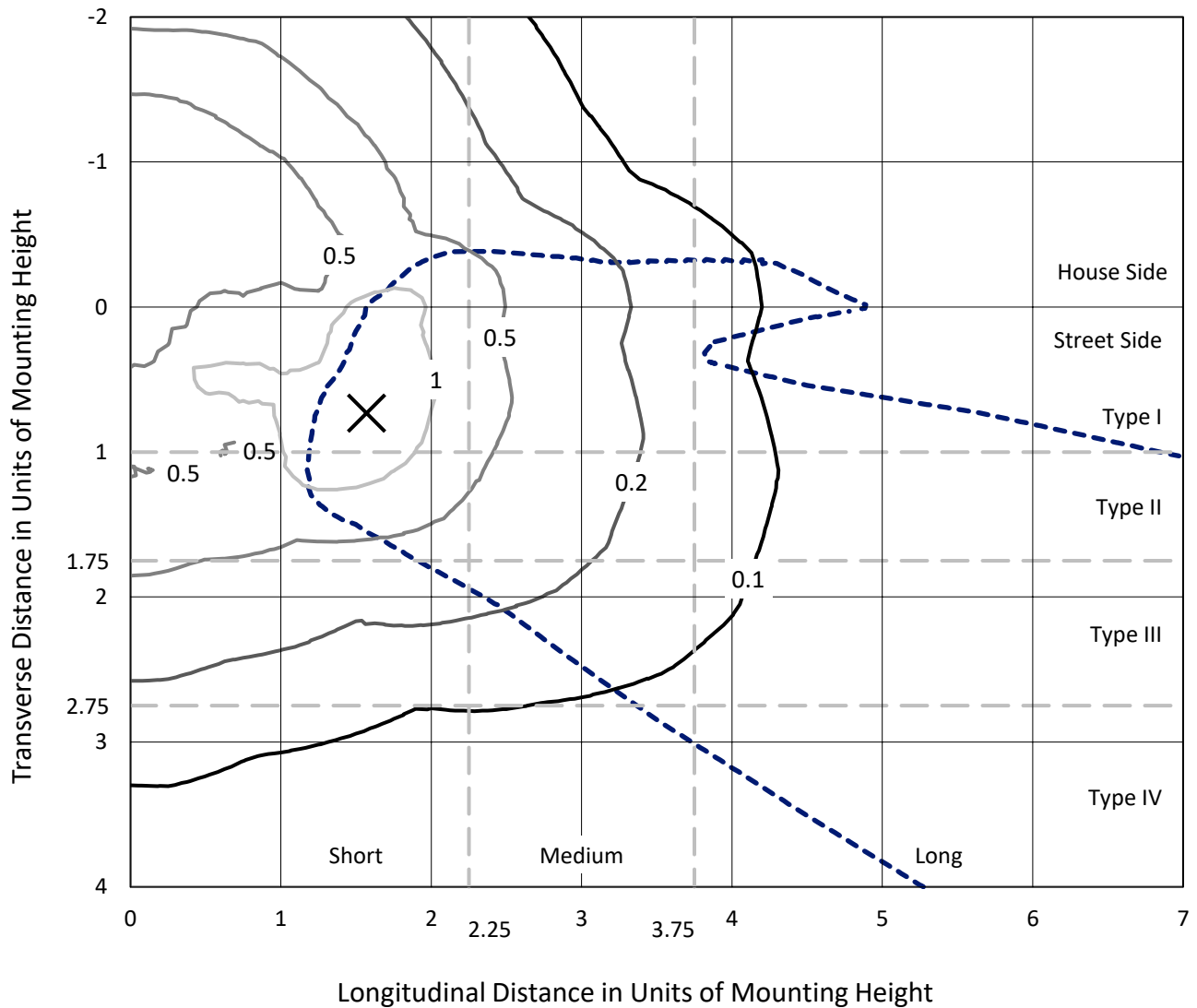
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

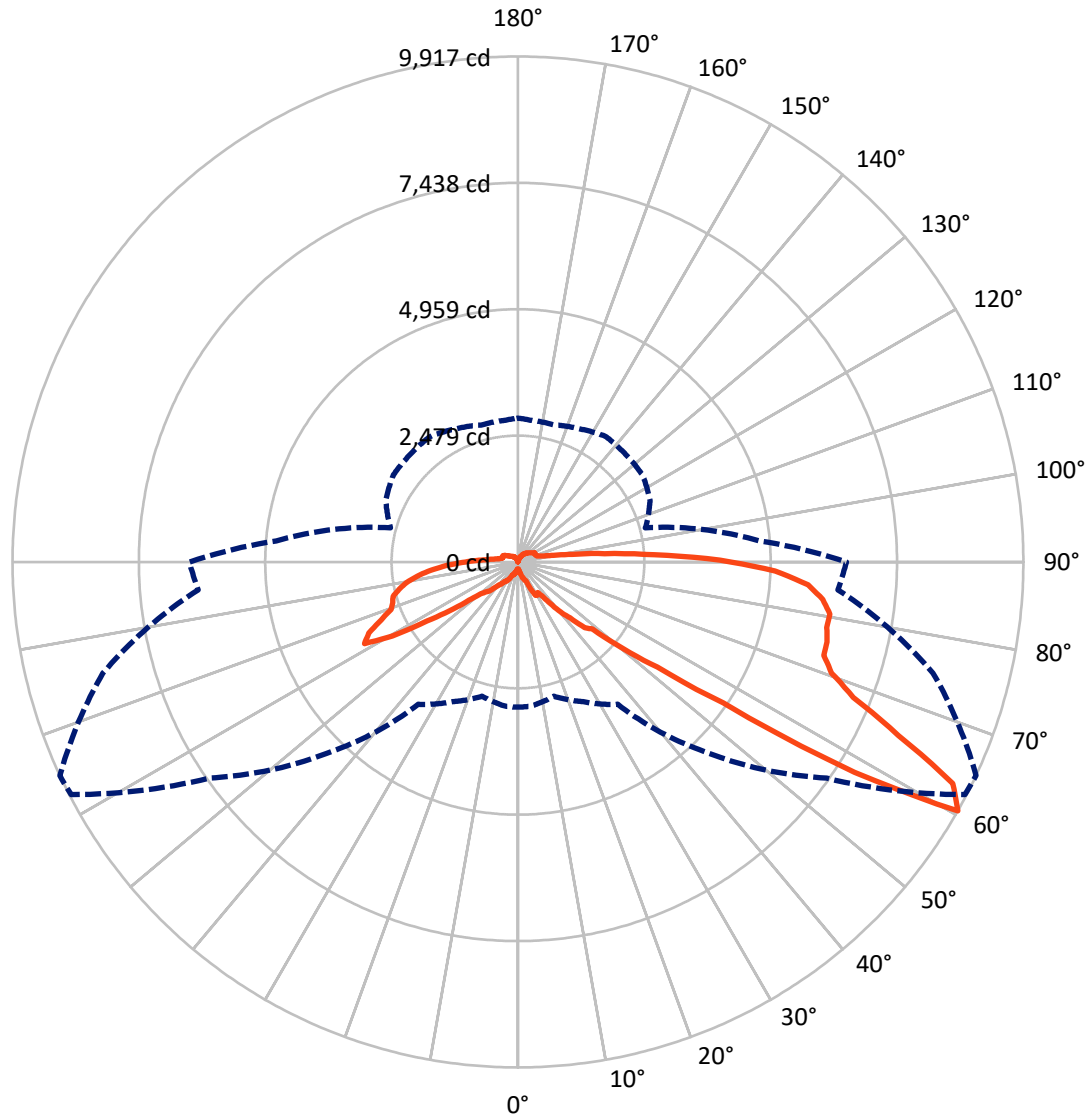
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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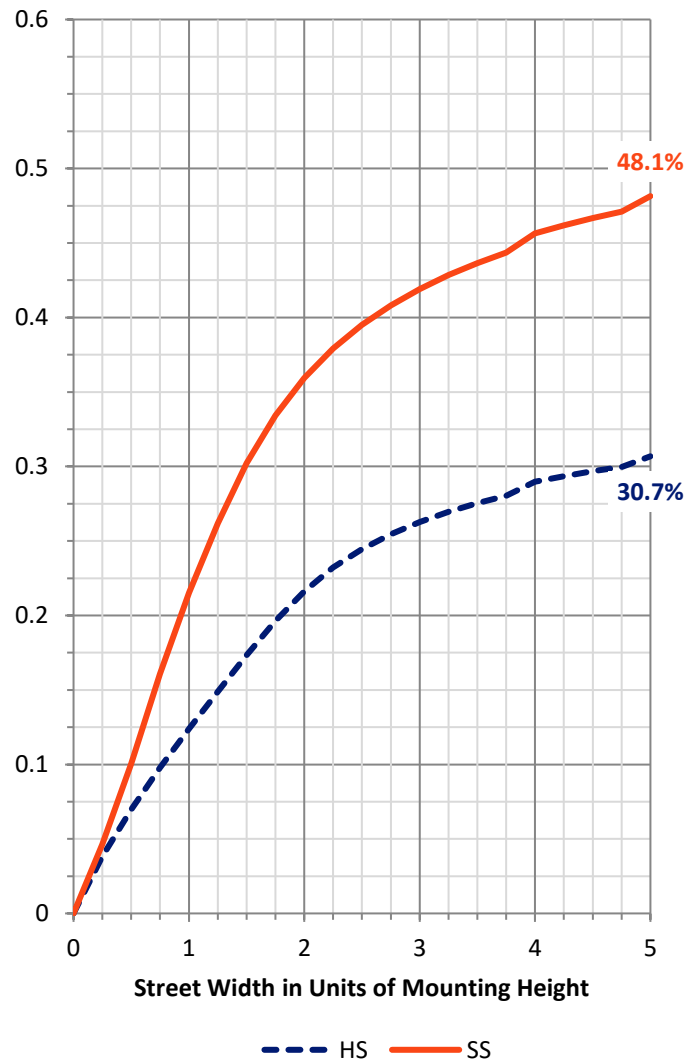
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5731.1	917.8	6648.9
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	9169.1	1368.0	10537.1
	% Fixture	53.4	8.0	61.3
Total	Lumens	14900.2	2285.8	17186.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.1
10°-20°	73.4	0.4
20°-30°	209.9	1.2
30°-40°	452.0	2.6
40°-50°	855.3	5.0
50°-60°	2389.4	13.9
60°-70°	4259.9	24.8
70°-80°	3729.6	21.7
80°-90°	2914.1	17.0
90°-100°	1101.7	6.4
100°-110°	378.9	2.2
110°-120°	309.8	1.8
120°-130°	208.2	1.2
130°-140°	142.9	0.8
140°-150°	89.8	0.5
150°-160°	41.7	0.2
160°-170°	11.8	0.1
170°-180°	1.0	0.0
0°-90°	14900.2	86.7
0°-180°	17186.0	100.0

Coefficient of Utilization



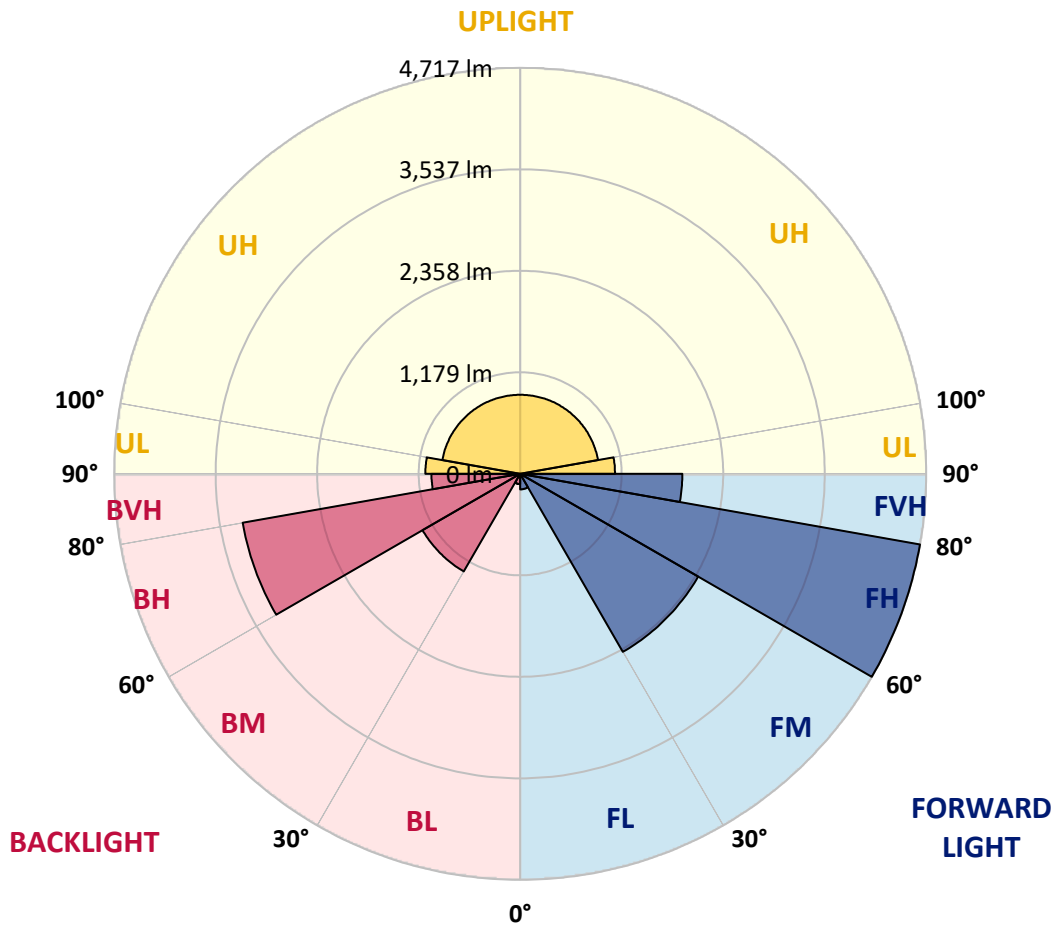
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.1	1.1			
FM (30°-60°)	2387.8	13.9			
FH (60°-80°)	4716.6	27.4			G2/5000
FVH (80°-90°)	1883.6	11.0			G5
BL (0°-30°)	118.7	0.7	B1/500		
BM (30°-60°)	1309.0	7.6	B2/2500		
BH (60°-80°)	3272.9	19.0	B4/5000		G4/5000
BVH (80°-90°)	1030.5	6.0			G5
UL (90°-100°)	1101.7	6.4		U5	
UH (100°-180°)	917.8	5.3		U4/1000	

BUG Rating: B4-U5-G5

Type III Short





REPORT NUMBER: P588436
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	151.5	147.1	142.6	142.6	140.4	138.1	138.1	133.7	135.9	133.7	133.7
5°	178.3	176.0	171.6	173.8	169.3	167.1	167.1	164.9	162.7	160.4	153.7
7.5°	207.2	207.2	209.4	211.7	205.0	198.3	196.1	191.6	191.6	189.4	184.9
10°	238.4	236.2	227.3	227.3	222.8	218.4	220.6	218.4	218.4	218.4	209.4
12.5°	247.3	245.1	238.4	238.4	238.4	236.2	245.1	242.9	245.1	242.9	229.5
15°	278.5	276.3	274.1	276.3	285.2	303.0	325.3	316.4	318.6	314.2	265.1
17.5°	291.9	298.6	303.0	305.3	314.2	314.2	318.6	316.4	325.3	332.0	303.0
20°	338.7	334.2	338.7	354.3	376.6	378.8	372.1	372.1	376.6	378.8	323.1
22.5°	358.7	356.5	374.3	361.0	361.0	372.1	412.2	398.8	398.8	394.4	347.6
25°	465.7	474.6	492.4	514.7	568.2	583.8	628.3	579.3	586.0	516.9	441.2
27.5°	559.3	565.9	670.7	764.3	806.6	784.3	822.2	730.8	739.7	748.7	643.9
30°	588.2	601.6	753.1	822.2	877.9	833.3	882.3	762.0	755.3	806.6	764.3
32.5°	565.9	579.3	739.7	768.7	826.6	991.5	929.1	735.3	715.2	739.7	791.0
35°	621.7	630.6	726.4	657.3	710.8	1385.9	1216.6	857.8	817.7	681.8	757.6
37.5°	746.4	746.4	860.1	909.1	949.2	1635.5	1597.6	1067.3	1036.1	797.7	875.7
40°	904.6	900.2	1040.5	1074.0	1091.8	1481.7	1931.8	1361.4	1292.3	938.0	1140.8
42.5°	1000.4	991.5	1105.2	1140.8	1140.8	1254.4	2185.8	1657.7	1497.3	1094.0	1394.8
45°	1038.3	1047.2	1194.3	1149.7	1183.1	1287.9	2457.6	2067.7	1842.7	1283.4	1617.6
47.5°	940.3	953.6	1165.3	1169.8	1000.4	1029.4	2203.6	2147.9	1963.0	1374.8	1688.9
50°	1154.2	1163.1	1238.8	1187.6	1105.2	1303.5	2624.7	2760.7	2680.5	1702.3	1782.5
52.5°	1584.2	1624.3	1695.6	1740.2	1715.7	2190.3	3520.5	3495.9	3429.1	2555.7	2433.1
55°	2052.1	2085.5	2185.8	2455.4	2660.4	3279.8	4378.3	4890.8	4886.3	4151.0	3792.3
57.5°	2477.7	2479.9	2493.3	2825.3	3141.7	4282.5	5735.2	7618.0	7787.3	6630.9	5430.0
60°	2847.6	2840.9	2727.2	3023.6	3409.1	5309.7	7393.0	9884.0	9917.4	8431.3	6298.9
62.5°	2947.8	2927.8	2762.9	3039.2	3368.9	5329.7	7816.3	9614.4	9576.5	8558.3	6412.6
65°	2860.9	2840.9	2631.4	2878.8	3034.7	4844.0	7219.2	8268.6	8206.2	7818.5	6105.1
67.5°	2731.7	2745.1	2537.9	2727.2	2834.2	4543.2	6590.8	7114.4	7096.6	7286.0	5848.9
70°	2544.5	2555.7	2366.3	2600.2	2756.2	4351.6	5989.2	6557.4	6526.2	6804.7	5472.3
72.5°	2551.2	2584.6	2359.6	2535.6	2698.3	4088.6	5717.4	6365.8	6274.4	6316.8	5020.0
75°	2569.0	2613.6	2375.2	2533.4	2684.9	3992.8	5686.2	6381.4	6265.5	6140.8	4848.4
77.5°	2575.7	2640.3	2384.1	2557.9	2689.4	3861.4	5614.9	6303.4	6194.2	5971.4	4645.7
80°	2522.3	2591.3	2346.2	2560.1	2660.4	3600.7	5434.4	6290.0	6207.6	5949.1	4563.2
82.5°	2415.3	2484.4	2272.7	2448.7	2604.7	3335.5	5180.4	6029.3	6024.9	5735.2	4389.4
85°	2181.3	2257.1	2096.7	2259.3	2451.0	2983.5	4668.0	5585.9	5708.5	5474.5	4155.5
87.5°	1956.3	2032.1	1947.4	2038.7	2232.6	2593.6	4010.6	4821.7	5051.2	4857.3	3569.5
90°	1700.1	1778.1	1709.0	1673.3	1829.3	2069.9	3206.3	3750.0	3966.1	3848.0	2627.0
92.5°	1361.4	1428.2	1363.6	1281.2	1374.8	1519.6	2381.9	2624.7	2676.0	2562.4	1722.4
95°	1029.4	1078.4	1020.5	938.0	949.2	1040.5	1642.1	1720.1	1706.8	1570.8	1094.0
97.5°	715.2	744.2	706.3	648.4	668.4	726.4	1087.3	1078.4	1078.4	960.3	715.2
100°	496.9	508.0	490.2	463.5	479.0	516.9	730.8	728.6	706.3	648.4	521.4
102.5°	394.4	396.6	378.8	361.0	352.0	387.7	528.1	525.8	530.3	503.6	407.7
105°	347.6	345.4	329.8	314.2	296.3	332.0	418.9	436.7	434.5	412.2	349.8
107.5°	318.6	316.4	300.8	287.4	271.8	303.0	363.2	387.7	385.5	383.2	329.8
110°	296.3	294.1	280.7	267.4	254.0	289.7	340.9	378.8	378.8	378.8	334.2



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 CATALOG NUMBER: ARC-CA6-130-750-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	280.7	280.7	269.6	258.5	247.3	287.4	327.5	372.1	372.1	383.2	349.8
115°	271.8	269.6	260.7	254.0	245.1	289.7	323.1	367.6	369.9	385.5	347.6
117.5°	265.1	262.9	256.2	247.3	242.9	285.2	325.3	376.6	374.3	398.8	340.9
120°	254.0	249.6	240.6	231.7	227.3	262.9	316.4	365.4	361.0	372.1	314.2
122.5°	245.1	231.7	216.1	209.4	209.4	238.4	296.3	329.8	325.3	316.4	283.0
125°	225.0	211.7	198.3	196.1	198.3	222.8	283.0	303.0	305.3	298.6	267.4
127.5°	202.8	193.8	187.2	187.2	191.6	218.4	278.5	291.9	291.9	278.5	254.0
130°	191.6	189.4	184.9	184.9	193.8	220.6	271.8	276.3	276.3	258.5	247.3
132.5°	187.2	182.7	178.3	178.3	187.2	213.9	254.0	262.9	260.7	242.9	234.0
135°	178.3	176.0	171.6	171.6	182.7	209.4	238.4	247.3	245.1	222.8	216.1
137.5°	173.8	169.3	169.3	169.3	180.5	207.2	225.0	231.7	229.5	207.2	200.5
140°	167.1	164.9	160.4	160.4	176.0	200.5	211.7	213.9	211.7	193.8	187.2
142.5°	156.0	153.7	151.5	156.0	171.6	189.4	198.3	198.3	196.1	184.9	176.0
145°	149.3	147.1	144.8	156.0	169.3	178.3	187.2	180.5	180.5	173.8	164.9
147.5°	142.6	140.4	140.4	149.3	160.4	160.4	167.1	164.9	167.1	164.9	156.0
150°	129.2	127.0	127.0	133.7	135.9	135.9	142.6	142.6	142.6	142.6	135.9
152.5°	113.6	111.4	113.6	115.9	115.9	115.9	120.3	122.5	122.5	120.3	118.1
155°	98.0	98.0	98.0	100.3	100.3	98.0	104.7	104.7	104.7	104.7	102.5
157.5°	86.9	86.9	86.9	86.9	86.9	84.7	89.1	89.1	91.4	89.1	89.1
160°	75.8	73.5	73.5	73.5	73.5	71.3	73.5	73.5	73.5	75.8	75.8
162.5°	60.2	57.9	57.9	57.9	57.9	53.5	57.9	55.7	57.9	57.9	60.2
165°	49.0	46.8	46.8	46.8	44.6	42.3	44.6	42.3	42.3	42.3	44.6
167.5°	37.9	37.9	35.7	37.9	35.7	31.2	31.2	29.0	29.0	29.0	29.0
170°	29.0	26.7	24.5	26.7	24.5	20.1	20.1	17.8	17.8	15.6	15.6
172.5°	20.1	17.8	15.6	17.8	15.6	11.1	11.1	6.7	6.7	6.7	6.7
175°	17.8	15.6	13.4	15.6	13.4	8.9	6.7	4.5	4.5	4.5	4.5
177.5°	17.8	15.6	13.4	15.6	13.4	8.9	6.7	4.5	4.5	4.5	4.5
180°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	133.7	131.5	129.2	133.7	131.5	133.7	135.9	138.1	138.1	135.9	135.9
5°	153.7	151.5	147.1	144.8	140.4	140.4	140.4	144.8	144.8	142.6	144.8
7.5°	182.7	178.3	171.6	167.1	160.4	160.4	158.2	162.7	164.9	160.4	162.7
10°	205.0	202.8	193.8	187.2	180.5	178.3	178.3	180.5	180.5	178.3	178.3
12.5°	225.0	220.6	211.7	205.0	196.1	193.8	193.8	196.1	196.1	193.8	193.8
15°	254.0	240.6	231.7	225.0	216.1	213.9	211.7	213.9	216.1	211.7	211.7
17.5°	294.1	278.5	258.5	240.6	231.7	236.2	238.4	240.6	238.4	231.7	231.7
20°	316.4	307.5	280.7	267.4	256.2	256.2	256.2	256.2	256.2	254.0	256.2
22.5°	332.0	318.6	285.2	276.3	269.6	274.1	278.5	280.7	280.7	278.5	278.5
25°	403.3	354.3	320.9	314.2	305.3	307.5	303.0	303.0	305.3	303.0	307.5
27.5°	554.8	474.6	398.8	372.1	365.4	365.4	369.9	369.9	369.9	369.9	367.6
30°	666.2	572.6	447.9	412.2	407.7	427.8	438.9	447.9	443.4	436.7	436.7
32.5°	684.0	581.5	456.8	443.4	454.5	470.1	481.3	488.0	494.6	492.4	490.2
35°	646.2	537.0	450.1	467.9	476.8	485.7	488.0	483.5	503.6	512.5	514.7
37.5°	721.9	601.6	523.6	537.0	525.8	516.9	521.4	523.6	550.4	563.7	577.1
40°	922.4	726.4	594.9	588.2	581.5	601.6	628.3	641.7	639.5	630.6	632.8
42.5°	1116.3	848.9	670.7	668.4	666.2	701.9	744.2	742.0	721.9	706.3	706.3
45°	1314.6	967.0	791.0	793.2	788.8	802.1	813.3	804.4	806.6	811.0	815.5
47.5°	1437.1	1074.0	866.7	860.1	831.1	857.8	889.0	869.0	862.3	851.1	855.6
50°	1466.1	1100.7	911.3	960.3	933.6	913.5	880.1	866.7	891.3	909.1	922.4
52.5°	1905.1	1359.2	1138.6	1216.6	1180.9	1109.6	1102.9	1080.6	1107.4	1109.6	1125.2
55°	3192.9	2179.1	1568.6	1644.4	1646.6	1622.1	1733.5	1671.1	1615.4	1590.9	1582.0
57.5°	5033.4	3368.9	2029.8	2125.6	2217.0	2303.9	2455.4	2328.4	2168.0	2147.9	2170.2
60°	6446.0	4757.1	2589.1	2858.7	2981.2	2985.7	3005.8	2881.0	2782.9	2791.9	2823.1
62.5°	6749.0	5915.7	3297.6	3409.1	3420.2	3337.8	3373.4	3453.6	3315.5	3206.3	3235.3
65°	6546.3	6374.7	3529.4	3239.7	3221.9	3235.3	3478.1	3700.9	3422.4	3146.1	3146.1
67.5°	6154.1	6024.9	3293.2	2914.4	2963.4	3114.9	3422.4	3533.8	3237.5	2943.4	2943.4
70°	5735.2	5476.8	3028.0	2655.9	2776.3	2952.3	3152.8	3161.7	2987.9	2778.5	2765.1
72.5°	5282.9	5049.0	2914.4	2580.2	2635.9	2667.1	2776.3	2845.3	2825.3	2689.4	2687.1
75°	5149.2	4959.8	2912.2	2544.5	2511.1	2500.0	2575.7	2725.0	2794.1	2713.9	2718.3
77.5°	4946.5	4832.8	2776.3	2395.2	2359.6	2359.6	2399.7	2520.0	2624.7	2591.3	2602.5
80°	4806.1	4634.5	2569.0	2232.6	2183.6	2190.3	2194.7	2277.2	2375.2	2379.7	2379.7
82.5°	4536.5	4213.4	2254.9	1989.7	1956.3	1965.2	1949.6	1996.4	2023.1	2056.6	2049.9
85°	4093.1	3636.3	1905.1	1724.6	1671.1	1653.3	1639.9	1642.1	1657.7	1651.1	1624.3
87.5°	3429.1	2883.2	1519.6	1414.9	1352.5	1307.9	1290.1	1267.8	1265.6	1241.1	1250.0
90°	2531.2	1978.6	1127.4	1089.6	1045.0	998.2	973.7	951.4	933.6	909.1	900.2
92.5°	1651.1	1274.5	824.4	804.4	775.4	748.7	737.5	726.4	721.9	701.9	708.5
95°	1031.6	862.3	619.4	597.1	581.5	574.9	577.1	579.3	574.9	552.6	559.3
97.5°	688.5	623.9	483.5	467.9	452.3	450.1	452.3	456.8	459.0	443.4	447.9
100°	508.0	479.0	396.6	385.5	372.1	367.6	369.9	374.3	376.6	363.2	365.4
102.5°	403.3	389.9	343.1	338.7	323.1	318.6	323.1	325.3	327.5	318.6	318.6
105°	354.3	354.3	316.4	314.2	303.0	298.6	300.8	303.0	305.3	296.3	296.3
107.5°	340.9	343.1	305.3	307.5	300.8	298.6	303.0	307.5	305.3	298.6	296.3
110°	352.0	356.5	305.3	311.9	314.2	318.6	327.5	329.8	329.8	325.3	327.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	363.2	369.9	300.8	316.4	332.0	343.1	358.7	367.6	363.2	361.0	363.2
115°	354.3	358.7	280.7	305.3	334.2	349.8	354.3	354.3	343.1	343.1	345.4
117.5°	343.1	352.0	260.7	280.7	300.8	314.2	311.9	305.3	291.9	287.4	300.8
120°	318.6	345.4	249.6	254.0	256.2	260.7	254.0	247.3	236.2	234.0	242.9
122.5°	294.1	318.6	229.5	225.0	222.8	222.8	220.6	218.4	211.7	213.9	222.8
125°	274.1	287.4	209.4	202.8	200.5	202.8	202.8	202.8	198.3	193.8	193.8
127.5°	258.5	262.9	198.3	189.4	187.2	187.2	187.2	189.4	187.2	180.5	180.5
130°	249.6	247.3	191.6	176.0	173.8	176.0	176.0	178.3	173.8	169.3	169.3
132.5°	231.7	227.3	182.7	167.1	164.9	167.1	167.1	167.1	162.7	158.2	158.2
135°	211.7	207.2	171.6	156.0	153.7	156.0	156.0	158.2	153.7	149.3	149.3
137.5°	196.1	191.6	160.4	147.1	144.8	144.8	147.1	147.1	144.8	140.4	140.4
140°	182.7	178.3	149.3	138.1	133.7	135.9	135.9	135.9	133.7	129.2	129.2
142.5°	171.6	169.3	138.1	127.0	122.5	124.8	124.8	127.0	122.5	118.1	118.1
145°	162.7	158.2	129.2	115.9	113.6	113.6	113.6	115.9	111.4	107.0	107.0
147.5°	153.7	149.3	118.1	104.7	102.5	102.5	102.5	102.5	100.3	95.8	93.6
150°	135.9	133.7	109.2	95.8	91.4	91.4	91.4	89.1	84.7	80.2	80.2
152.5°	115.9	113.6	95.8	84.7	80.2	80.2	78.0	78.0	73.5	71.3	69.1
155°	100.3	100.3	86.9	75.8	71.3	69.1	66.8	66.8	64.6	62.4	60.2
157.5°	89.1	86.9	78.0	69.1	60.2	60.2	57.9	57.9	55.7	53.5	51.2
160°	75.8	75.8	66.8	57.9	51.2	49.0	49.0	46.8	44.6	42.3	42.3
162.5°	60.2	60.2	53.5	46.8	40.1	40.1	37.9	37.9	35.7	33.4	31.2
165°	42.3	42.3	40.1	35.7	31.2	29.0	29.0	29.0	26.7	24.5	24.5
167.5°	29.0	29.0	26.7	24.5	22.3	20.1	22.3	22.3	20.1	17.8	17.8
170°	15.6	15.6	13.4	13.4	11.1	11.1	13.4	15.6	13.4	11.1	8.9
172.5°	6.7	6.7	6.7	6.7	4.5	6.7	8.9	11.1	8.9	6.7	6.7
175°	4.5	4.5	6.7	6.7	4.5	6.7	8.9	11.1	8.9	6.7	6.7
177.5°	4.5	4.5	6.7	6.7	4.5	6.7	8.9	11.1	8.9	6.7	6.7
180°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9

(END OF REPORT)