

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: P588588

Luminaire Tested: **ARC-CA6-120-722-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-372-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-120-722-U-33-X-5-X-GHSS  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD  
Light Source: (3) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

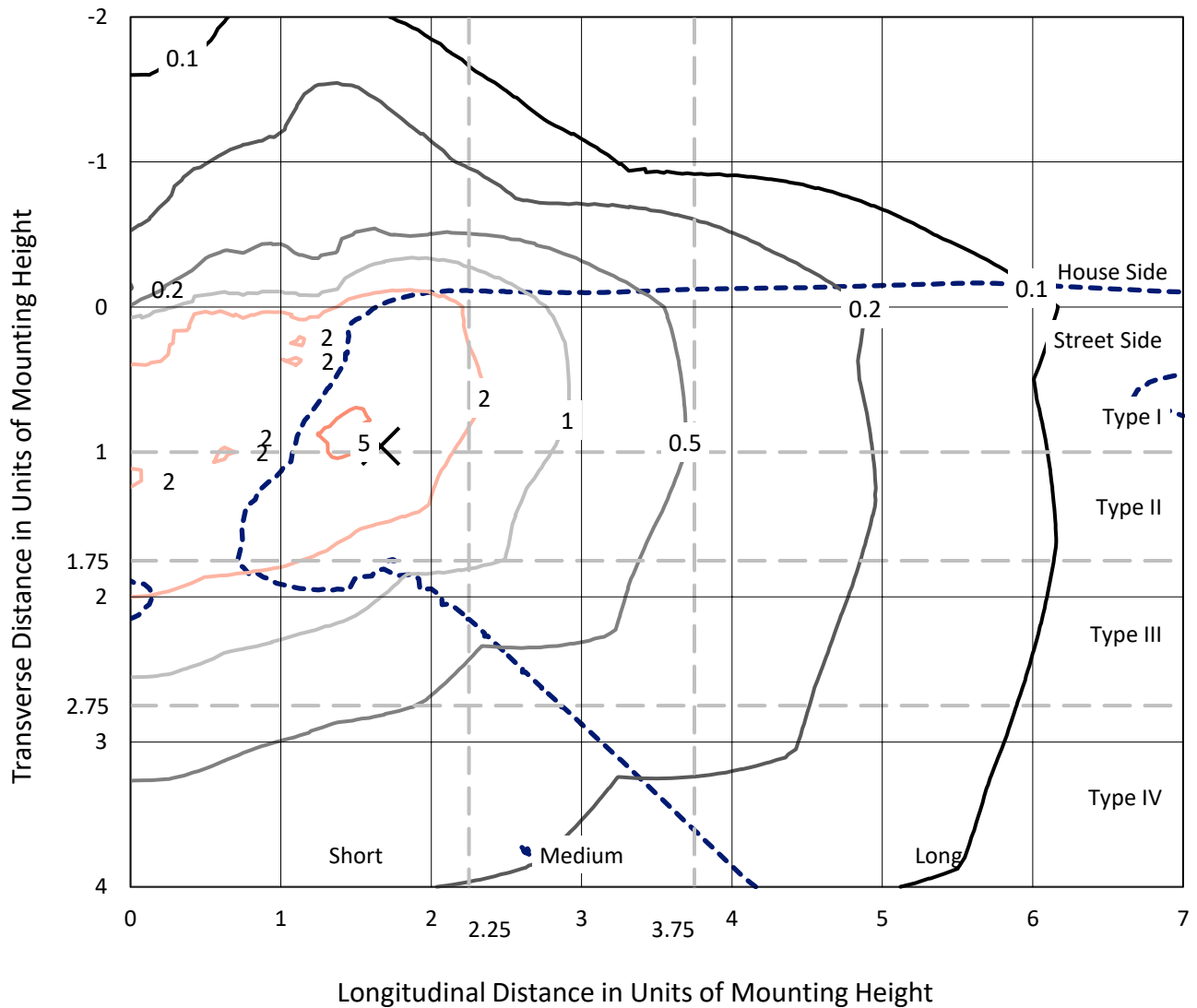
Lumens per Lamp: N/A  
Luminaire Lumens: 6687 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G5  
  
Input Watts (W): 59.8  
Input Voltage (V): 120  
Input 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 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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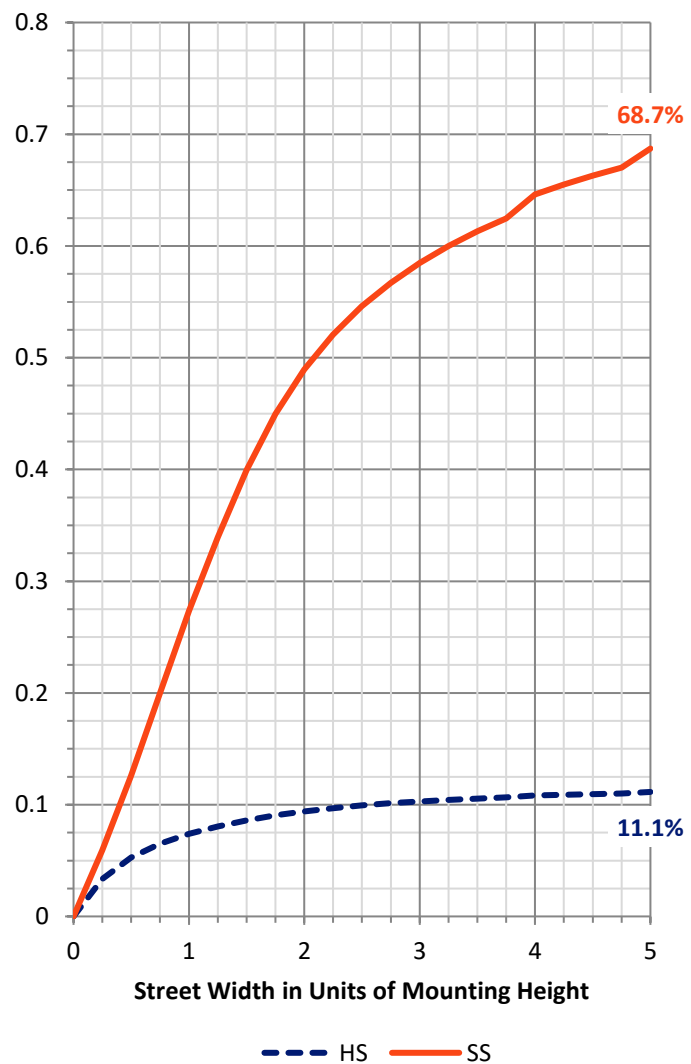
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	784.5	156.4	940.9
	% Fixture	11.7	2.3	14.1
<b>Street Side</b>	Lumens	5107.9	638.3	5746.1
	% Fixture	76.4	9.5	85.9
<b>Total</b>	Lumens	5892.4	794.7	6687.0
	% Fixture	88.1	11.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	32.2	0.5
20°-30°	95.6	1.4
30°-40°	192.1	2.9
40°-50°	338.1	5.1
50°-60°	933.6	14.0
60°-70°	1614.1	24.1
70°-80°	1498.3	22.4
80°-90°	1181.4	17.7
90°-100°	374.9	5.6
100°-110°	133.7	2.0
110°-120°	109.9	1.6
120°-130°	72.3	1.1
130°-140°	51.4	0.8
140°-150°	33.3	0.5
150°-160°	15.3	0.2
160°-170°	3.8	0.1
170°-180°	0.1	0.0
0°-90°	5892.4	88.1
0°-180°	6687.0	100.0

**Coefficient of Utilization**



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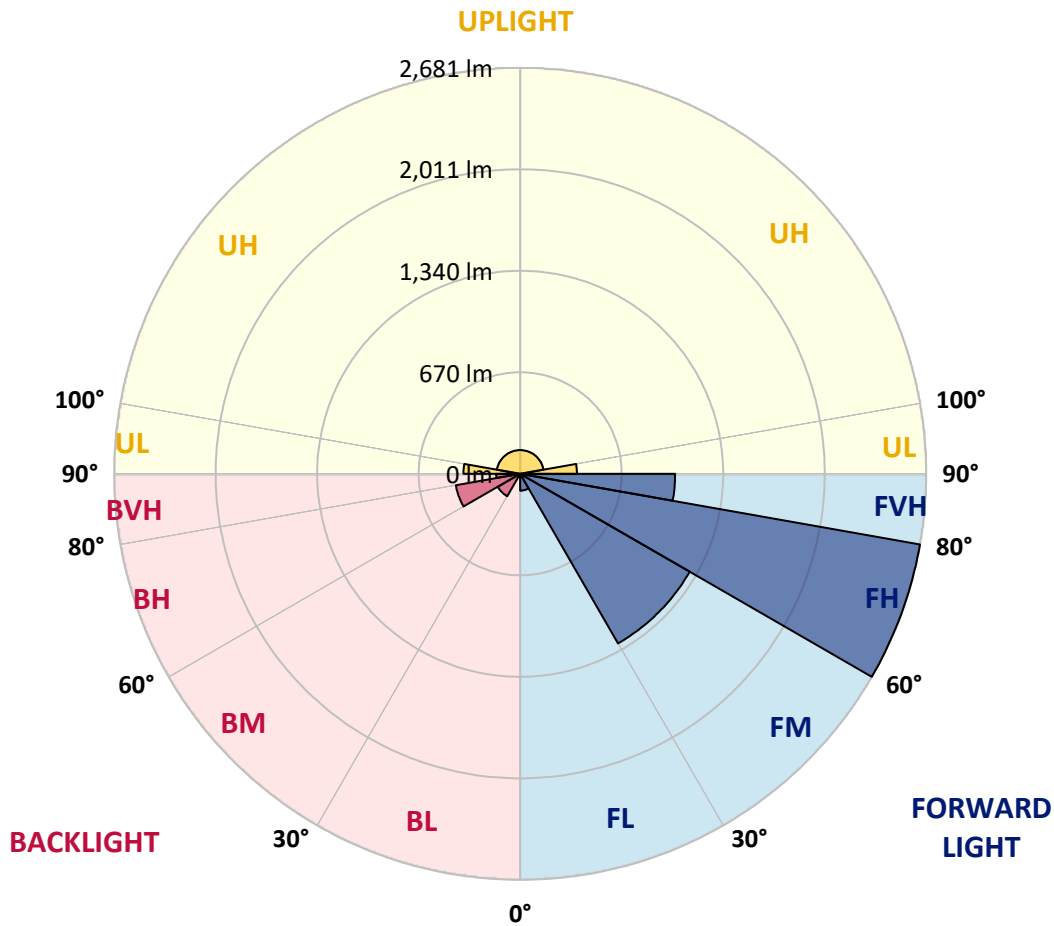
CATALOG NUMBER: ARC-CA6-120-722-U-33-X-5-X-GHSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.0	1.7			
FM (30°-60°)	1293.0	19.3			
FH (60°-80°)	2680.9	40.1			G2/5000
FVH (80°-90°)	1023.0	15.3			G5
BL (0°-30°)	23.7	0.4	B0/110		
BM (30°-60°)	170.8	2.6	B0/220		
BH (60°-80°)	431.5	6.5	B1/500		G1/500
BVH (80°-90°)	158.4	2.4			G2/225
UL (90°-100°)	374.9	5.6		U3/500	
UH (100°-180°)	156.4	2.3		U3/500	

**BUG Rating: B1-U3-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
2.5°	79.2	77.2	78.2	78.2	79.2	75.1	71.0	67.9	64.8	60.7	55.6
5°	113.2	111.1	108.1	107.0	105.0	100.9	94.7	92.6	86.4	78.2	67.9
7.5°	137.9	136.9	135.8	132.8	130.7	124.5	117.3	114.2	107.0	95.7	83.4
10°	156.4	156.4	157.5	152.3	143.0	137.9	131.7	129.7	124.5	109.1	93.6
12.5°	171.9	169.8	161.6	157.5	153.3	154.4	155.4	154.4	152.3	126.6	105.0
15°	186.3	184.2	178.0	172.9	169.8	180.1	202.7	200.7	199.6	159.5	122.5
17.5°	196.6	196.6	202.7	206.8	212.0	196.6	192.4	198.6	205.8	176.0	138.9
20°	226.4	222.3	217.1	213.0	238.8	227.4	231.5	238.8	243.9	196.6	152.3
22.5°	213.0	214.1	236.7	244.9	232.6	226.4	240.8	243.9	244.9	225.4	158.5
25°	291.2	277.9	269.6	295.4	293.3	338.6	352.0	361.2	361.2	305.6	221.3
27.5°	402.4	402.4	437.4	505.3	494.0	495.0	479.6	478.5	498.1	516.6	336.5
30°	436.3	447.7	545.4	579.4	616.4	570.1	519.7	480.6	488.8	588.6	392.1
32.5°	446.6	456.9	575.3	538.2	551.6	533.1	540.3	461.0	441.5	542.3	381.8
35°	390.0	404.4	501.2	453.8	428.1	483.7	550.6	494.0	484.7	445.6	345.8
37.5°	520.7	527.9	561.9	554.7	562.9	566.0	646.3	594.8	605.1	538.2	437.4
40°	597.9	589.7	722.4	754.3	742.0	730.7	723.5	644.2	656.6	623.6	591.7
42.5°	734.8	725.5	819.2	838.7	841.8	812.0	845.9	746.1	715.2	647.3	736.8
45°	744.0	749.2	837.7	787.3	839.7	894.3	956.0	840.8	785.2	671.0	856.2
47.5°	658.6	681.3	875.8	831.5	780.1	731.7	755.4	696.7	651.4	531.0	823.3
50°	672.0	681.3	805.8	753.3	626.7	775.9	983.8	941.6	892.2	658.6	793.4
52.5°	950.9	946.8	1001.3	1004.4	1036.3	1164.9	1575.5	1541.6	1549.8	1282.3	1181.4
55°	1303.9	1301.8	1439.7	1659.9	1842.1	1904.9	2441.0	2307.2	2246.5	1987.2	2086.0
57.5°	1685.7	1703.2	1763.9	2072.6	2384.4	2465.7	3305.5	3236.5	3102.7	2592.3	2855.7
60°	2088.0	2077.7	1988.2	2190.9	2690.1	3095.5	4355.1	4388.1	4121.5	3263.3	3117.1
62.5°	2246.5	2233.1	2055.1	2296.9	2878.4	3200.5	4365.4	4460.1	4358.2	3553.5	3051.3
65°	2219.8	2188.9	1952.2	2142.6	2429.7	2723.0	3897.2	3583.3	3750.0	3633.7	2884.6
67.5°	2114.8	2107.6	1887.4	1992.3	2179.6	2217.7	3559.6	3242.7	3302.4	3705.8	2934.0
70°	1983.1	1981.0	1814.3	1893.5	2160.1	2121.0	3295.2	2954.5	2919.5	3316.8	2946.3
72.5°	1987.2	1985.1	1800.9	1827.7	2113.8	2050.0	3267.4	2995.7	2931.9	3125.4	2804.3
75°	2021.1	2023.2	1827.7	1857.5	2178.6	2064.4	3333.2	3087.3	3022.5	3106.8	2691.1
77.5°	1988.2	2004.7	1812.2	1879.1	2219.8	2062.3	3302.4	3069.8	2978.2	2954.5	2475.0
80°	1878.1	1900.7	1727.9	1805.0	2182.7	2090.1	3276.6	3043.0	2926.7	2797.1	2319.6
82.5°	1647.6	1671.3	1538.5	1609.5	2030.4	1975.9	3096.6	2870.1	2766.2	2539.8	2116.9
85°	1416.0	1470.6	1405.7	1416.0	1792.7	1809.2	2853.7	2654.0	2582.0	2384.4	2047.9
87.5°	1169.1	1216.4	1155.7	1082.6	1343.0	1437.6	2359.7	2260.9	2241.4	2104.5	1777.2
90°	865.5	908.7	872.7	777.0	909.7	969.4	1739.2	1684.6	1726.8	1570.4	1221.5
92.5°	627.7	635.0	592.8	513.5	606.1	635.0	1140.2	1056.9	1106.3	962.2	716.3
95°	419.9	437.4	404.4	370.5	439.4	442.5	702.9	641.1	614.4	552.6	428.1
97.5°	307.7	308.7	296.4	265.5	308.7	312.8	467.2	420.9	397.2	371.5	296.4
100°	243.9	243.9	225.4	205.8	215.1	223.3	325.2	293.3	280.9	269.6	223.3
102.5°	213.0	212.0	196.6	177.0	176.0	180.1	246.0	224.3	215.1	207.9	176.0
105°	201.7	200.7	185.2	164.7	159.5	156.4	204.8	190.4	184.2	178.0	158.5
107.5°	199.6	197.6	182.2	163.6	155.4	147.2	184.2	171.9	172.9	166.7	152.3
110°	201.7	201.7	188.3	177.0	163.6	152.3	185.2	171.9	176.0	173.9	158.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	196.6	201.7	196.6	189.4	174.9	165.7	193.5	178.0	183.2	183.2	163.6
115°	185.2	190.4	190.4	183.2	169.8	166.7	191.4	178.0	180.1	177.0	152.3
117.5°	169.8	172.9	170.8	162.6	151.3	149.2	178.0	171.9	171.9	162.6	142.0
120°	158.5	152.3	144.1	137.9	131.7	136.9	160.5	154.4	149.2	145.1	129.7
122.5°	142.0	134.8	125.5	122.5	118.3	125.5	146.1	141.0	135.8	133.8	122.5
125°	117.3	117.3	113.2	111.1	110.1	120.4	144.1	138.9	131.7	127.6	114.2
127.5°	113.2	113.2	110.1	108.1	109.1	121.4	141.0	135.8	127.6	122.5	110.1
130°	114.2	112.2	108.1	105.0	106.0	120.4	140.0	133.8	125.5	121.4	110.1
132.5°	108.1	106.0	102.9	100.9	99.8	114.2	132.8	129.7	123.5	114.2	101.9
135°	105.0	102.9	100.9	99.8	99.8	111.1	126.6	123.5	117.3	107.0	93.6
137.5°	103.9	101.9	97.8	96.7	95.7	106.0	118.3	116.3	110.1	100.9	89.5
140°	98.8	95.7	92.6	91.6	91.6	99.8	112.2	110.1	103.9	96.7	86.4
142.5°	91.6	89.5	86.4	86.4	87.5	95.7	109.1	108.1	100.9	92.6	83.4
145°	87.5	85.4	83.4	84.4	85.4	92.6	102.9	101.9	96.7	89.5	80.3
147.5°	80.3	79.2	77.2	76.2	78.2	84.4	95.7	95.7	92.6	83.4	74.1
150°	70.0	68.9	66.9	65.9	67.9	74.1	83.4	83.4	80.3	71.0	62.8
152.5°	58.7	57.6	57.6	58.7	60.7	63.8	72.0	73.1	70.0	60.7	53.5
155°	51.5	50.4	50.4	51.5	54.5	57.6	62.8	62.8	59.7	53.5	46.3
157.5°	44.3	43.2	43.2	44.3	47.3	49.4	54.5	53.5	51.5	46.3	40.1
160°	34.0	32.9	32.9	34.0	37.0	39.1	43.2	43.2	42.2	39.1	34.0
162.5°	25.7	24.7	24.7	25.7	27.8	28.8	31.9	32.9	32.9	30.9	26.8
165°	19.6	18.5	18.5	18.5	20.6	21.6	22.6	22.6	22.6	21.6	18.5
167.5°	12.3	11.3	11.3	12.3	13.4	13.4	14.4	14.4	13.4	13.4	11.3
170°	6.2	5.1	5.1	6.2	6.2	6.2	5.1	4.1	4.1	4.1	4.1
172.5°	2.1	1.0	3.1	3.1	2.1	0.0	0.0	1.0	1.0	1.0	0.0
175°	2.1	1.0	3.1	3.1	2.1	0.0	0.0	1.0	0.0	1.0	0.0
177.5°	1.0	1.0	3.1	3.1	2.1	0.0	0.0	0.0	0.0	1.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
2.5°	53.5	52.5	48.4	42.2	36.0	29.8	28.8	29.8	30.9	31.9	32.9
5°	63.8	59.7	51.5	42.2	34.0	25.7	21.6	19.6	18.5	19.6	20.6
7.5°	77.2	72.0	61.7	50.4	40.1	31.9	26.8	21.6	18.5	18.5	19.6
10°	86.4	80.3	67.9	55.6	45.3	36.0	29.8	24.7	21.6	19.6	19.6
12.5°	96.7	88.5	72.0	58.7	47.3	39.1	32.9	27.8	24.7	22.6	22.6
15°	108.1	98.8	79.2	61.7	50.4	41.2	36.0	30.9	26.8	24.7	24.7
17.5°	126.6	111.1	83.4	64.8	52.5	43.2	37.0	31.9	27.8	25.7	25.7
20°	134.8	117.3	84.4	67.9	55.6	45.3	38.1	31.9	28.8	26.8	26.8
22.5°	134.8	116.3	86.4	70.0	58.7	47.3	39.1	32.9	28.8	26.8	26.8
25°	169.8	127.6	88.5	75.1	61.7	49.4	41.2	34.0	29.8	27.8	27.8
27.5°	237.7	166.7	101.9	80.3	65.9	52.5	43.2	36.0	30.9	28.8	28.8
30°	261.4	186.3	116.3	93.6	72.0	55.6	45.3	38.1	32.9	29.8	29.8
32.5°	266.5	183.2	124.5	102.9	82.3	60.7	47.3	40.1	34.0	30.9	30.9
35°	240.8	169.8	124.5	107.0	88.5	67.9	52.5	42.2	35.0	31.9	30.9
37.5°	280.9	183.2	127.6	108.1	91.6	73.1	58.7	45.3	37.0	32.9	32.9
40°	363.3	217.1	143.0	114.2	92.6	76.2	64.8	50.4	40.1	35.0	35.0
42.5°	425.0	244.9	159.5	129.7	100.9	80.3	66.9	54.5	44.3	38.1	37.0
45°	477.5	271.7	173.9	144.1	115.3	89.5	71.0	58.7	48.4	42.2	41.2
47.5°	486.8	285.1	185.2	158.5	126.6	98.8	77.2	62.8	53.5	46.3	45.3
50°	470.3	286.1	189.4	167.7	138.9	109.1	84.4	67.9	57.6	50.4	50.4
52.5°	672.0	357.1	207.9	172.9	143.0	117.3	93.6	74.1	61.7	55.6	55.6
55°	1212.3	577.3	268.6	204.8	153.3	123.5	101.9	83.4	67.9	60.7	60.7
57.5°	1959.4	901.5	355.0	273.7	197.6	143.0	111.1	92.6	76.2	65.9	65.9
60°	2596.4	1272.0	432.2	333.4	259.3	196.6	134.8	105.0	85.4	73.1	72.0
62.5°	2989.5	1605.4	477.5	356.1	296.4	249.0	181.1	131.7	96.7	83.4	81.3
65°	2902.1	1772.1	497.1	354.0	294.3	265.5	216.1	163.6	116.3	95.7	92.6
67.5°	2665.4	1773.1	494.0	338.6	278.9	252.1	215.1	177.0	134.8	108.1	103.9
70°	2547.0	1742.3	478.5	327.3	266.5	235.7	199.6	162.6	132.8	115.3	113.2
72.5°	2490.4	1721.7	469.3	325.2	264.5	229.5	189.4	145.1	119.4	110.1	112.2
75°	2503.8	1734.0	473.4	328.3	268.6	232.6	185.2	134.8	105.0	94.7	96.7
77.5°	2473.9	1709.3	479.6	327.3	266.5	227.4	172.9	123.5	95.7	85.4	84.4
80°	2498.6	1655.8	465.2	317.0	251.1	206.8	153.3	110.1	87.5	80.3	79.2
82.5°	2309.3	1441.8	413.7	289.2	227.4	178.0	128.6	96.7	82.3	74.1	74.1
85°	2116.9	1169.1	355.0	254.2	187.3	140.0	102.9	84.4	72.0	65.9	65.9
87.5°	1606.4	837.7	274.8	208.9	156.4	120.4	93.6	81.3	71.0	66.9	65.9
90°	993.1	516.6	204.8	166.7	132.8	107.0	88.5	78.2	70.0	66.9	66.9
92.5°	555.7	330.3	158.5	136.9	114.2	95.7	81.3	71.0	63.8	60.7	60.7
95°	376.6	247.0	135.8	122.5	101.9	84.4	71.0	61.7	55.6	51.5	51.5
97.5°	272.7	194.5	120.4	110.1	91.6	74.1	62.8	53.5	48.4	46.3	46.3
100°	208.9	157.5	109.1	98.8	81.3	64.8	54.5	46.3	41.2	39.1	39.1
102.5°	167.7	132.8	98.8	89.5	72.0	57.6	46.3	38.1	34.0	32.9	31.9
105°	151.3	123.5	92.6	83.4	65.9	52.5	41.2	34.0	29.8	27.8	27.8
107.5°	147.2	123.5	91.6	81.3	62.8	49.4	37.0	30.9	26.8	24.7	24.7
110°	156.4	130.7	92.6	79.2	58.7	45.3	34.0	27.8	23.7	22.6	22.6



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CATALOG NUMBER: ARC-CA6-120-722-U-33-X-5-X-GHSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	161.6	131.7	88.5	74.1	54.5	41.2	31.9	25.7	22.6	20.6	20.6
115°	148.2	118.3	81.3	65.9	48.4	37.0	29.8	24.7	20.6	18.5	18.5
117.5°	143.0	111.1	79.2	57.6	44.3	34.0	27.8	22.6	19.6	17.5	17.5
120°	143.0	108.1	70.0	50.4	40.1	30.9	25.7	20.6	17.5	16.5	16.5
122.5°	137.9	99.8	61.7	44.3	35.0	26.8	22.6	18.5	16.5	14.4	14.4
125°	125.5	92.6	50.4	40.1	31.9	24.7	20.6	17.5	14.4	13.4	13.4
127.5°	118.3	91.6	47.3	37.0	28.8	22.6	18.5	15.4	12.3	11.3	11.3
130°	117.3	91.6	44.3	32.9	25.7	19.6	16.5	13.4	11.3	10.3	10.3
132.5°	105.0	83.4	42.2	30.9	23.7	18.5	15.4	12.3	10.3	9.3	9.3
135°	94.7	77.2	41.2	28.8	21.6	16.5	13.4	11.3	8.2	8.2	8.2
137.5°	87.5	71.0	41.2	26.8	19.6	14.4	12.3	10.3	7.2	7.2	7.2
140°	82.3	65.9	40.1	25.7	17.5	13.4	11.3	8.2	6.2	6.2	6.2
142.5°	77.2	61.7	37.0	24.7	16.5	11.3	10.3	8.2	6.2	5.1	5.1
145°	71.0	56.6	32.9	22.6	15.4	10.3	9.3	7.2	5.1	4.1	4.1
147.5°	64.8	50.4	28.8	19.6	14.4	9.3	8.2	6.2	4.1	4.1	4.1
150°	55.6	43.2	25.7	17.5	12.3	8.2	7.2	5.1	4.1	3.1	3.1
152.5°	45.3	37.0	22.6	15.4	11.3	7.2	6.2	4.1	3.1	2.1	2.1
155°	40.1	32.9	20.6	13.4	9.3	6.2	5.1	3.1	3.1	2.1	2.1
157.5°	35.0	28.8	18.5	11.3	7.2	4.1	4.1	3.1	2.1	2.1	1.0
160°	28.8	24.7	15.4	9.3	6.2	3.1	3.1	2.1	2.1	1.0	1.0
162.5°	22.6	18.5	11.3	7.2	4.1	2.1	2.1	2.1	2.1	1.0	0.0
165°	15.4	13.4	8.2	5.1	3.1	1.0	1.0	2.1	1.0	1.0	0.0
167.5°	10.3	8.2	5.1	3.1	2.1	0.0	1.0	1.0	1.0	1.0	0.0
170°	4.1	4.1	3.1	2.1	0.0	0.0	0.0	1.0	1.0	1.0	0.0
172.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
177.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)