

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: P588586

Luminaire Tested: **ARC-CA6-110-760-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588586
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-CA6-110-760-U-33-X-5-X-GHSS
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD
Light Source: (3) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7297 lumens
Efficiency: N/A
Efficacy: 129.2 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

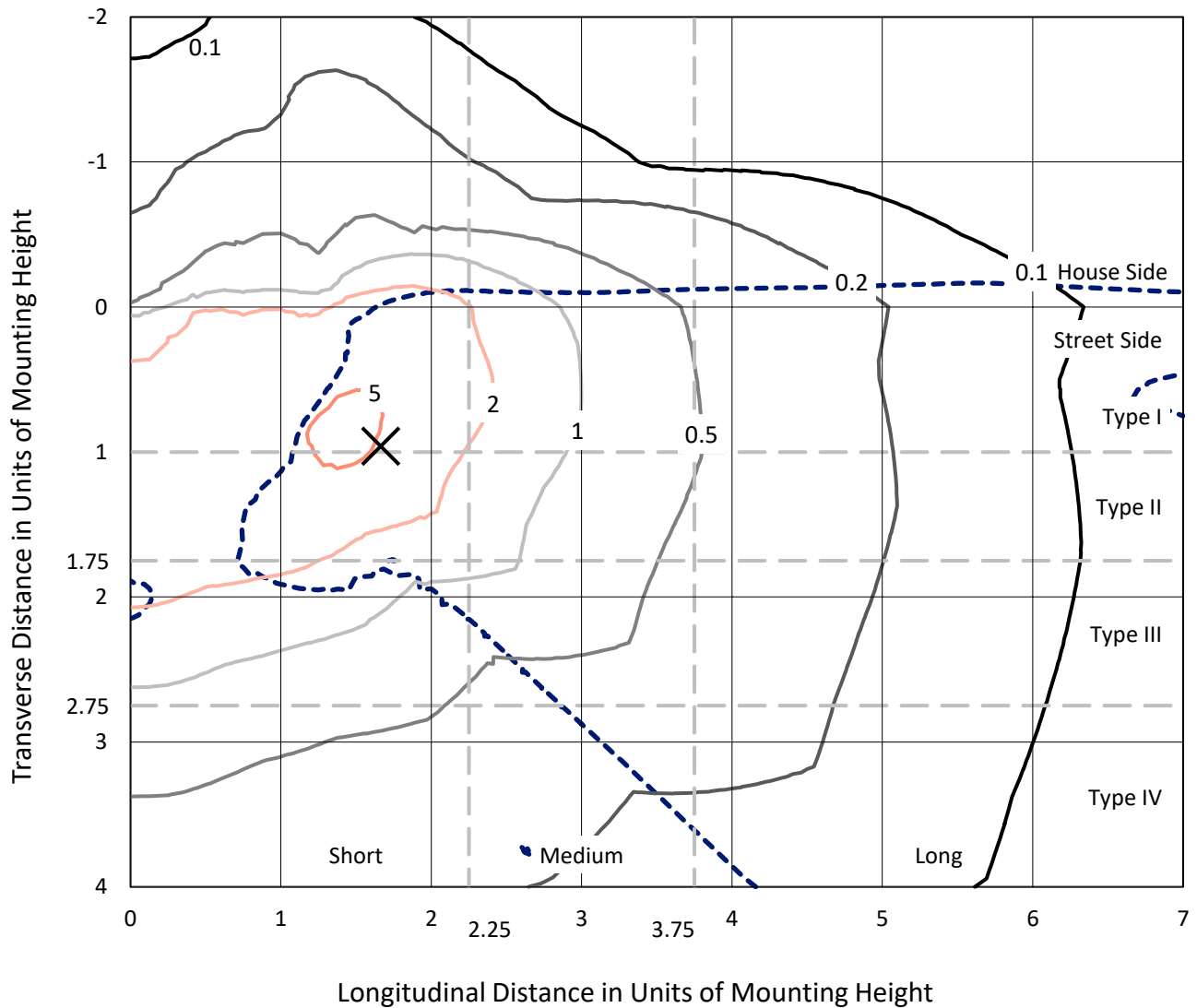
Input Watts (W): 56.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

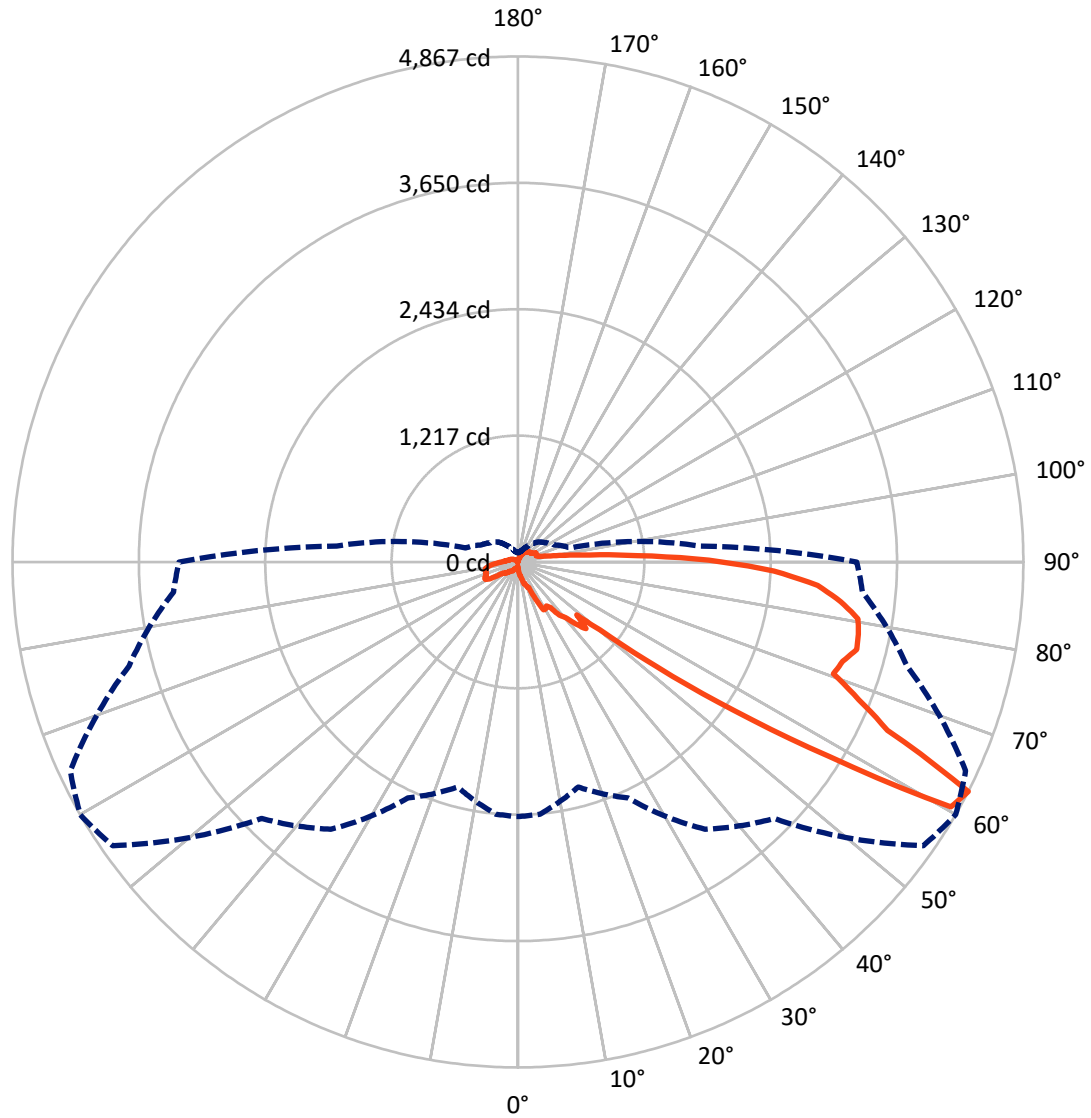
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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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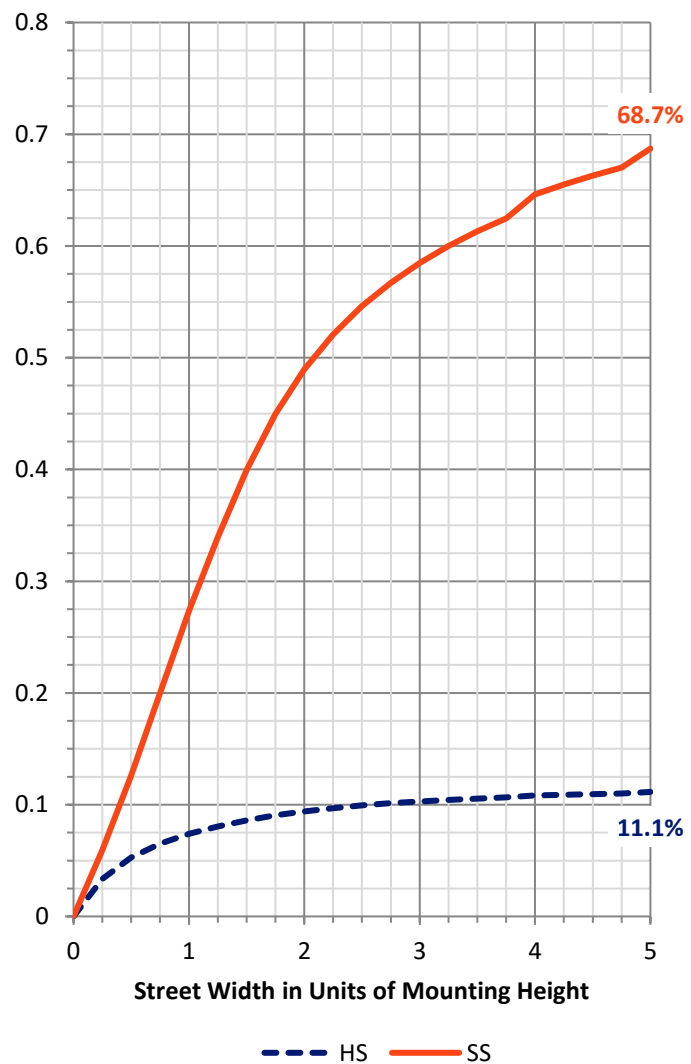
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.0	170.7	1026.7
	% Fixture	11.7	2.3	14.1
Street Side	Lumens	5573.8	696.5	6270.3
	% Fixture	76.4	9.5	85.9
Total	Lumens	6429.9	867.1	7297.0
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	35.1	0.5
20°-30°	104.3	1.4
30°-40°	209.6	2.9
40°-50°	369.0	5.1
50°-60°	1018.7	14.0
60°-70°	1761.4	24.1
70°-80°	1634.9	22.4
80°-90°	1289.2	17.7
90°-100°	409.0	5.6
100°-110°	145.9	2.0
110°-120°	119.9	1.6
120°-130°	78.9	1.1
130°-140°	56.1	0.8
140°-150°	36.3	0.5
150°-160°	16.7	0.2
160°-170°	4.1	0.1
170°-180°	0.2	0.0
0°-90°	6429.9	88.1
0°-180°	7297.0	100.0

Coefficient of Utilization



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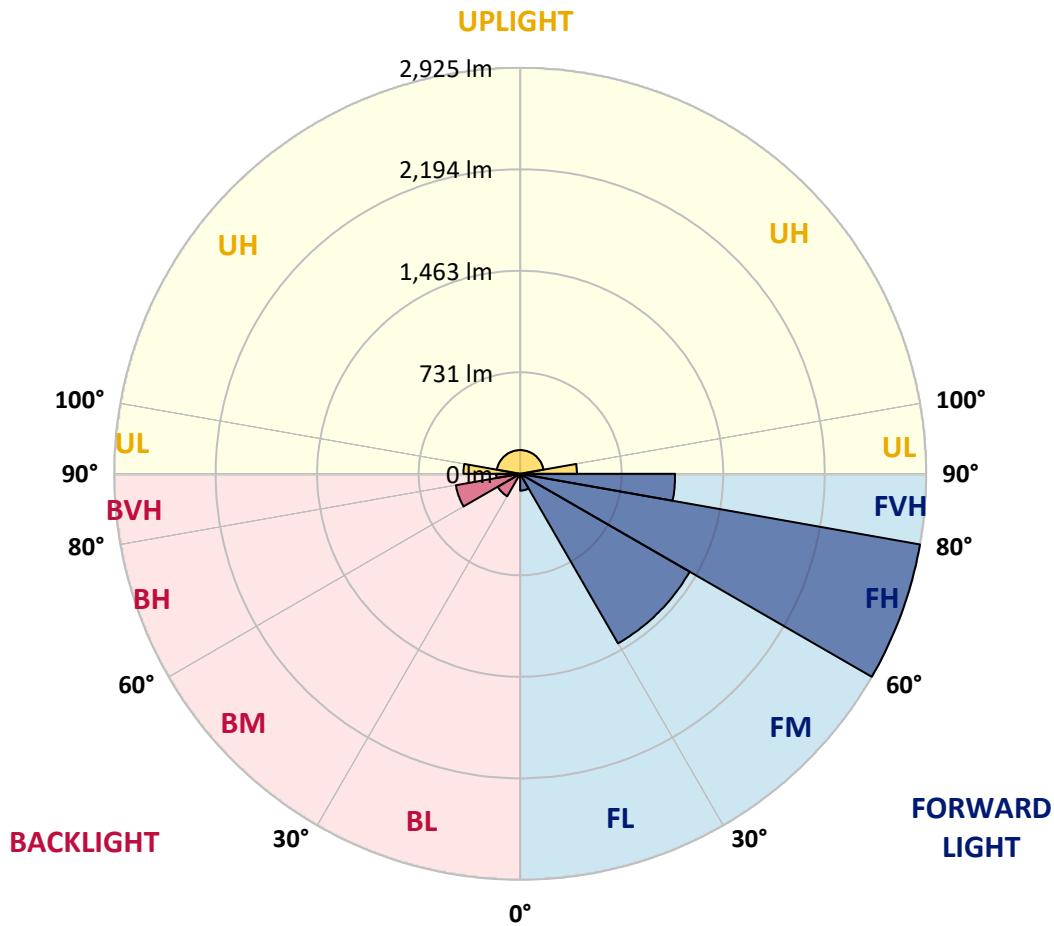
CATALOG NUMBER: ARC-CA6-110-760-U-33-X-5-X-GHSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.1	1.7			
FM (30°-60°)	1411.0	19.3			
FH (60°-80°)	2925.5	40.1			G2/5000
FVH (80°-90°)	1116.3	15.3			G5
BL (0°-30°)	25.9	0.4	B0/110		
BM (30°-60°)	186.4	2.6	B0/220		
BH (60°-80°)	470.9	6.5	B1/500		G1/500
BVH (80°-90°)	172.9	2.4			G2/225
UL (90°-100°)	409.0	5.6		U3/500	
UH (100°-180°)	170.7	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°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2.5°	86.5	84.2	85.3	85.3	86.5	82.0	77.5	74.1	70.7	66.3	60.6
5°	123.5	121.3	117.9	116.8	114.5	110.1	103.3	101.1	94.3	85.3	74.1
7.5°	150.5	149.4	148.2	144.9	142.6	135.9	128.0	124.6	116.8	104.4	91.0
10°	170.7	170.7	171.8	166.2	156.1	150.5	143.7	141.5	135.9	119.0	102.2
12.5°	187.5	185.3	176.3	171.8	167.3	168.4	169.6	168.4	166.2	138.1	114.5
15°	203.3	201.0	194.3	188.7	185.3	196.5	221.2	219.0	217.9	174.1	133.6
17.5°	214.5	214.5	221.2	225.7	231.3	214.5	210.0	216.7	224.6	192.0	151.6
20°	247.1	242.6	236.9	232.5	260.5	248.2	252.7	260.5	266.1	214.5	166.2
22.5°	232.5	233.6	258.3	267.3	253.8	247.1	262.8	266.1	267.3	245.9	172.9
25°	317.8	303.2	294.2	322.3	320.0	369.5	384.1	394.2	394.2	333.5	241.4
27.5°	439.1	439.1	477.3	551.4	539.0	540.1	523.3	522.2	543.5	563.7	367.2
30°	476.1	488.5	595.2	632.2	672.7	622.1	567.1	524.4	533.4	642.3	427.9
32.5°	487.4	498.6	627.7	587.3	601.9	581.7	589.6	503.1	481.8	591.8	416.6
35°	425.6	441.3	546.9	495.2	467.2	527.8	600.8	539.0	528.9	486.2	377.3
37.5°	568.2	576.1	613.1	605.3	614.3	617.6	705.2	649.1	660.3	587.3	477.3
40°	652.4	643.5	788.3	823.1	809.7	797.3	789.4	703.0	716.5	680.5	645.7
42.5°	801.8	791.7	893.9	915.2	918.6	886.0	923.1	814.2	780.5	706.3	804.0
45°	811.9	817.5	914.1	859.1	916.3	975.9	1043.2	917.5	856.8	732.2	934.3
47.5°	718.7	743.4	955.6	907.4	851.2	798.4	824.3	760.3	710.8	579.5	898.4
50°	733.3	743.4	879.3	822.0	683.9	846.7	1073.6	1027.5	973.6	718.7	865.8
52.5°	1037.6	1033.1	1092.7	1096.0	1130.8	1271.2	1719.3	1682.2	1691.2	1399.2	1289.2
55°	1422.8	1420.6	1571.0	1811.4	2010.1	2078.6	2663.7	2517.7	2451.4	2168.5	2276.3
57.5°	1839.4	1858.5	1924.8	2261.7	2601.9	2690.6	3607.0	3531.7	3385.8	2828.8	3116.2
60°	2278.5	2267.3	2169.6	2390.8	2935.4	3377.9	4752.4	4788.4	4497.5	3560.9	3401.5
62.5°	2451.4	2436.8	2242.6	2506.5	3141.0	3492.4	4763.6	4867.0	4755.8	3877.6	3329.6
65°	2422.3	2388.6	2130.3	2338.0	2651.3	2971.4	4252.7	3910.2	4092.1	3965.2	3147.7
67.5°	2307.7	2299.8	2059.5	2174.1	2378.5	2420.0	3884.4	3538.5	3603.6	4043.8	3201.6
70°	2164.0	2161.7	1979.8	2066.3	2357.1	2314.4	3595.8	3224.1	3185.9	3619.3	3215.1
72.5°	2168.5	2166.2	1965.2	1994.4	2306.6	2237.0	3565.4	3269.0	3199.3	3410.5	3060.1
75°	2205.5	2207.8	1994.4	2027.0	2377.3	2252.7	3637.3	3368.9	3298.2	3390.3	2936.6
77.5°	2169.6	2187.5	1977.6	2050.5	2422.3	2250.4	3603.6	3349.8	3249.9	3224.1	2700.7
80°	2049.4	2074.1	1885.5	1969.7	2381.8	2280.8	3575.5	3320.6	3193.7	3052.2	2531.2
82.5°	1797.9	1823.7	1678.8	1756.3	2215.6	2156.1	3379.0	3132.0	3018.5	2771.5	2310.0
85°	1545.2	1604.7	1534.0	1545.2	1956.2	1974.2	3114.0	2896.1	2817.5	2601.9	2234.7
87.5°	1275.7	1327.4	1261.1	1181.4	1465.5	1568.8	2575.0	2467.2	2445.8	2296.5	1939.4
90°	944.4	991.6	952.3	847.8	992.7	1057.8	1897.8	1838.3	1884.3	1713.7	1333.0
92.5°	685.0	692.9	646.8	560.4	661.4	692.9	1244.3	1153.3	1207.2	1050.0	781.6
95°	458.2	477.3	441.3	404.3	479.5	482.9	767.0	699.6	670.4	603.0	467.2
97.5°	335.8	336.9	323.4	289.7	336.9	341.4	509.8	459.3	433.5	405.4	323.4
100°	266.1	266.1	245.9	224.6	234.7	243.7	354.9	320.0	306.6	294.2	243.7
102.5°	232.5	231.3	214.5	193.2	192.0	196.5	268.4	244.8	234.7	226.8	192.0
105°	220.1	219.0	202.1	179.7	174.1	170.7	223.5	207.7	201.0	194.3	172.9
107.5°	217.9	215.6	198.8	178.6	169.6	160.6	201.0	187.5	188.7	181.9	166.2
110°	220.1	220.1	205.5	193.2	178.6	166.2	202.1	187.5	192.0	189.8	172.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	214.5	220.1	214.5	206.6	190.9	180.8	211.1	194.3	199.9	199.9	178.6
115°	202.1	207.7	207.7	199.9	185.3	181.9	208.9	194.3	196.5	193.2	166.2
117.5°	185.3	188.7	186.4	177.4	165.1	162.8	194.3	187.5	187.5	177.4	155.0
120°	172.9	166.2	157.2	150.5	143.7	149.4	175.2	168.4	162.8	158.3	141.5
122.5°	155.0	147.1	137.0	133.6	129.1	137.0	159.5	153.8	148.2	146.0	133.6
125°	128.0	128.0	123.5	121.3	120.2	131.4	157.2	151.6	143.7	139.2	124.6
127.5°	123.5	123.5	120.2	117.9	119.0	132.5	153.8	148.2	139.2	133.6	120.2
130°	124.6	122.4	117.9	114.5	115.7	131.4	152.7	146.0	137.0	132.5	120.2
132.5°	117.9	115.7	112.3	110.1	108.9	124.6	144.9	141.5	134.8	124.6	111.2
135°	114.5	112.3	110.1	108.9	108.9	121.3	138.1	134.8	128.0	116.8	102.2
137.5°	113.4	111.2	106.7	105.6	104.4	115.7	129.1	126.9	120.2	110.1	97.7
140°	107.8	104.4	101.1	99.9	99.9	108.9	122.4	120.2	113.4	105.6	94.3
142.5°	99.9	97.7	94.3	94.3	95.5	104.4	119.0	117.9	110.1	101.1	91.0
145°	95.5	93.2	91.0	92.1	93.2	101.1	112.3	111.2	105.6	97.7	87.6
147.5°	87.6	86.5	84.2	83.1	85.3	92.1	104.4	104.4	101.1	91.0	80.9
150°	76.4	75.2	73.0	71.9	74.1	80.9	91.0	91.0	87.6	77.5	68.5
152.5°	64.0	62.9	62.9	64.0	66.3	69.6	78.6	79.7	76.4	66.3	58.4
155°	56.1	55.0	55.0	56.1	59.5	62.9	68.5	68.5	65.1	58.4	50.5
157.5°	48.3	47.2	47.2	48.3	51.7	53.9	59.5	58.4	56.1	50.5	43.8
160°	37.1	35.9	35.9	37.1	40.4	42.7	47.2	47.2	46.0	42.7	37.1
162.5°	28.1	27.0	27.0	28.1	30.3	31.4	34.8	35.9	35.9	33.7	29.2
165°	21.3	20.2	20.2	20.2	22.5	23.6	24.7	24.7	24.7	23.6	20.2
167.5°	13.5	12.4	12.4	13.5	14.6	14.6	15.7	15.7	14.6	14.6	12.4
170°	6.7	5.6	5.6	6.7	6.7	6.7	5.6	4.5	4.5	4.5	4.5
172.5°	2.2	1.1	3.4	3.4	2.2	0.0	0.0	1.1	1.1	1.1	0.0
175°	2.2	1.1	3.4	3.4	2.2	0.0	0.0	1.1	0.0	1.1	0.0
177.5°	1.1	1.1	3.4	3.4	2.2	0.0	0.0	0.0	0.0	1.1	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2.5°	58.4	57.3	52.8	46.0	39.3	32.6	31.4	32.6	33.7	34.8	35.9
5°	69.6	65.1	56.1	46.0	37.1	28.1	23.6	21.3	20.2	21.3	22.5
7.5°	84.2	78.6	67.4	55.0	43.8	34.8	29.2	23.6	20.2	20.2	21.3
10°	94.3	87.6	74.1	60.6	49.4	39.3	32.6	27.0	23.6	21.3	21.3
12.5°	105.6	96.6	78.6	64.0	51.7	42.7	35.9	30.3	27.0	24.7	24.7
15°	117.9	107.8	86.5	67.4	55.0	44.9	39.3	33.7	29.2	27.0	27.0
17.5°	138.1	121.3	91.0	70.7	57.3	47.2	40.4	34.8	30.3	28.1	28.1
20°	147.1	128.0	92.1	74.1	60.6	49.4	41.5	34.8	31.4	29.2	29.2
22.5°	147.1	126.9	94.3	76.4	64.0	51.7	42.7	35.9	31.4	29.2	29.2
25°	185.3	139.2	96.6	82.0	67.4	53.9	44.9	37.1	32.6	30.3	30.3
27.5°	259.4	181.9	111.2	87.6	71.9	57.3	47.2	39.3	33.7	31.4	31.4
30°	285.2	203.3	126.9	102.2	78.6	60.6	49.4	41.5	35.9	32.6	32.6
32.5°	290.8	199.9	135.9	112.3	89.8	66.3	51.7	43.8	37.1	33.7	33.7
35°	262.8	185.3	135.9	116.8	96.6	74.1	57.3	46.0	38.2	34.8	33.7
37.5°	306.6	199.9	139.2	117.9	99.9	79.7	64.0	49.4	40.4	35.9	35.9
40°	396.4	236.9	156.1	124.6	101.1	83.1	70.7	55.0	43.8	38.2	38.2
42.5°	463.8	267.3	174.1	141.5	110.1	87.6	73.0	59.5	48.3	41.5	40.4
45°	521.1	296.5	189.8	157.2	125.8	97.7	77.5	64.0	52.8	46.0	44.9
47.5°	531.2	311.1	202.1	172.9	138.1	107.8	84.2	68.5	58.4	50.5	49.4
50°	513.2	312.2	206.6	183.0	151.6	119.0	92.1	74.1	62.9	55.0	55.0
52.5°	733.3	389.7	226.8	188.7	156.1	128.0	102.2	80.9	67.4	60.6	60.6
55°	1322.9	630.0	293.1	223.5	167.3	134.8	111.2	91.0	74.1	66.3	66.3
57.5°	2138.1	983.7	387.4	298.7	215.6	156.1	121.3	101.1	83.1	71.9	71.9
60°	2833.3	1388.0	471.6	363.8	283.0	214.5	147.1	114.5	93.2	79.7	78.6
62.5°	3262.2	1751.8	521.1	388.5	323.4	271.8	197.6	143.7	105.6	91.0	88.7
65°	3166.8	1933.8	542.4	386.3	321.2	289.7	235.8	178.6	126.9	104.4	101.1
67.5°	2908.5	1934.9	539.0	369.5	304.3	275.1	234.7	193.2	147.1	117.9	113.4
70°	2779.4	1901.2	522.2	357.1	290.8	257.2	217.9	177.4	144.9	125.8	123.5
72.5°	2717.6	1878.7	512.1	354.9	288.6	250.4	206.6	158.3	130.3	120.2	122.4
75°	2732.2	1892.2	516.6	358.2	293.1	253.8	202.1	147.1	114.5	103.3	105.6
77.5°	2699.6	1865.3	523.3	357.1	290.8	248.2	188.7	134.8	104.4	93.2	92.1
80°	2726.6	1806.9	507.6	345.9	274.0	225.7	167.3	120.2	95.5	87.6	86.5
82.5°	2519.9	1573.3	451.4	315.6	248.2	194.3	140.4	105.6	89.8	80.9	80.9
85°	2310.0	1275.7	387.4	277.4	204.4	152.7	112.3	92.1	78.6	71.9	71.9
87.5°	1753.0	914.1	299.8	228.0	170.7	131.4	102.2	88.7	77.5	73.0	71.9
90°	1083.7	563.7	223.5	181.9	144.9	116.8	96.6	85.3	76.4	73.0	73.0
92.5°	606.4	360.5	172.9	149.4	124.6	104.4	88.7	77.5	69.6	66.3	66.3
95°	411.0	269.5	148.2	133.6	111.2	92.1	77.5	67.4	60.6	56.1	56.1
97.5°	297.6	212.2	131.4	120.2	99.9	80.9	68.5	58.4	52.8	50.5	50.5
100°	228.0	171.8	119.0	107.8	88.7	70.7	59.5	50.5	44.9	42.7	42.7
102.5°	183.0	144.9	107.8	97.7	78.6	62.9	50.5	41.5	37.1	35.9	34.8
105°	165.1	134.8	101.1	91.0	71.9	57.3	44.9	37.1	32.6	30.3	30.3
107.5°	160.6	134.8	99.9	88.7	68.5	53.9	40.4	33.7	29.2	27.0	27.0
110°	170.7	142.6	101.1	86.5	64.0	49.4	37.1	30.3	25.8	24.7	24.7



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CATALOG NUMBER: ARC-CA6-110-760-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	176.3	143.7	96.6	80.9	59.5	44.9	34.8	28.1	24.7	22.5	22.5
115°	161.7	129.1	88.7	71.9	52.8	40.4	32.6	27.0	22.5	20.2	20.2
117.5°	156.1	121.3	86.5	62.9	48.3	37.1	30.3	24.7	21.3	19.1	19.1
120°	156.1	117.9	76.4	55.0	43.8	33.7	28.1	22.5	19.1	18.0	18.0
122.5°	150.5	108.9	67.4	48.3	38.2	29.2	24.7	20.2	18.0	15.7	15.7
125°	137.0	101.1	55.0	43.8	34.8	27.0	22.5	19.1	15.7	14.6	14.6
127.5°	129.1	99.9	51.7	40.4	31.4	24.7	20.2	16.8	13.5	12.4	12.4
130°	128.0	99.9	48.3	35.9	28.1	21.3	18.0	14.6	12.4	11.2	11.2
132.5°	114.5	91.0	46.0	33.7	25.8	20.2	16.8	13.5	11.2	10.1	10.1
135°	103.3	84.2	44.9	31.4	23.6	18.0	14.6	12.4	9.0	9.0	9.0
137.5°	95.5	77.5	44.9	29.2	21.3	15.7	13.5	11.2	7.9	7.9	7.9
140°	89.8	71.9	43.8	28.1	19.1	14.6	12.4	9.0	6.7	6.7	6.7
142.5°	84.2	67.4	40.4	27.0	18.0	12.4	11.2	9.0	6.7	5.6	5.6
145°	77.5	61.8	35.9	24.7	16.8	11.2	10.1	7.9	5.6	4.5	4.5
147.5°	70.7	55.0	31.4	21.3	15.7	10.1	9.0	6.7	4.5	4.5	4.5
150°	60.6	47.2	28.1	19.1	13.5	9.0	7.9	5.6	4.5	3.4	3.4
152.5°	49.4	40.4	24.7	16.8	12.4	7.9	6.7	4.5	3.4	2.2	2.2
155°	43.8	35.9	22.5	14.6	10.1	6.7	5.6	3.4	3.4	2.2	2.2
157.5°	38.2	31.4	20.2	12.4	7.9	4.5	4.5	3.4	2.2	2.2	1.1
160°	31.4	27.0	16.8	10.1	6.7	3.4	3.4	2.2	2.2	1.1	1.1
162.5°	24.7	20.2	12.4	7.9	4.5	2.2	2.2	2.2	2.2	1.1	0.0
165°	16.8	14.6	9.0	5.6	3.4	1.1	1.1	2.2	1.1	1.1	0.0
167.5°	11.2	9.0	5.6	3.4	2.2	0.0	1.1	1.1	1.1	1.1	0.0
170°	4.5	4.5	3.4	2.2	0.0	0.0	0.0	1.1	1.1	1.1	0.0
172.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0
175°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	0.0
177.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)