

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: P588574

Luminaire Tested: **ARC-CA6-100-760-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588574
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-CA6-100-760-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: 6857 lumens
Efficiency: N/A
Efficacy: 131.4 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

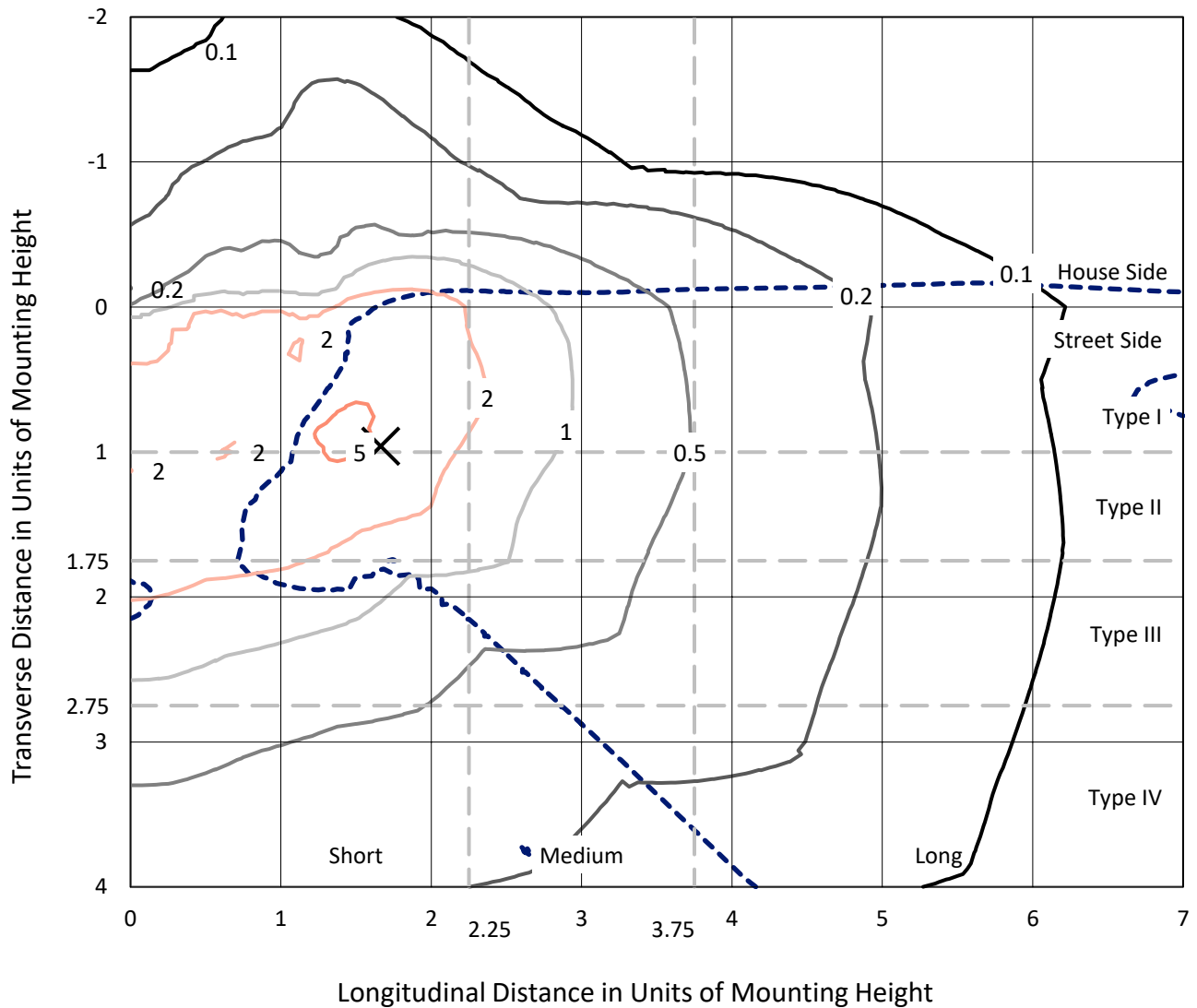
Input Watts (W): 52.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P588574
 CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

Iso-Footcandle Lines of Horizontal Illumination

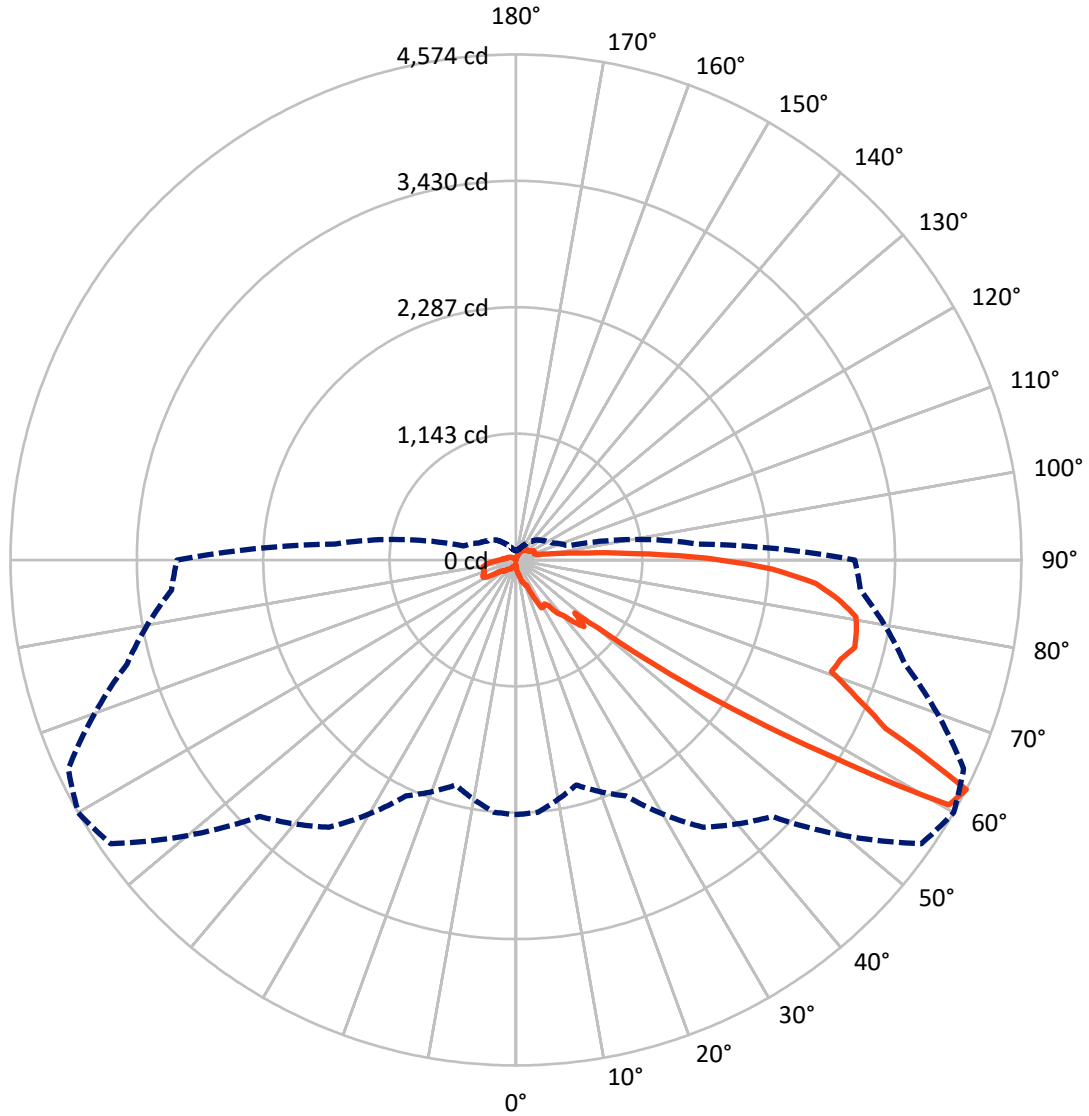
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P588574
CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P588574

CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

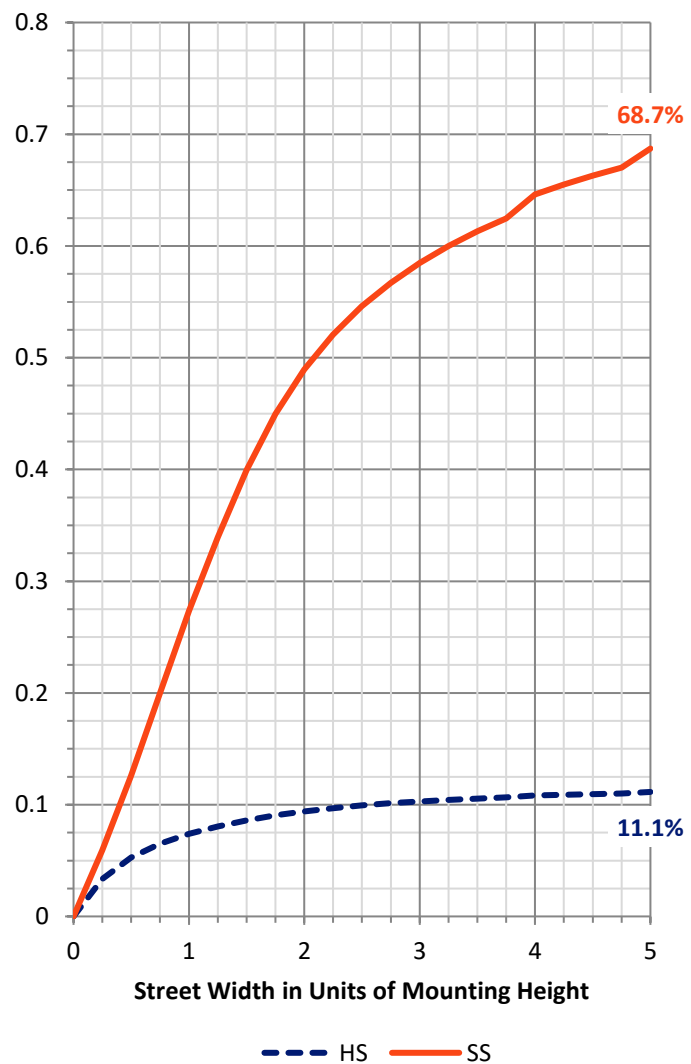
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	804.4	160.4	964.8
	% Fixture	11.7	2.3	14.1
Street Side	Lumens	5237.7	654.5	5892.2
	% Fixture	76.4	9.5	85.9
Total	Lumens	6042.1	814.9	6857.0
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	33.0	0.5
20°-30°	98.0	1.4
30°-40°	197.0	2.9
40°-50°	346.7	5.1
50°-60°	957.3	14.0
60°-70°	1655.2	24.1
70°-80°	1536.3	22.4
80°-90°	1211.4	17.7
90°-100°	384.4	5.6
100°-110°	137.1	2.0
110°-120°	112.7	1.6
120°-130°	74.1	1.1
130°-140°	52.8	0.8
140°-150°	34.1	0.5
150°-160°	15.7	0.2
160°-170°	3.9	0.1
170°-180°	0.1	0.0
0°-90°	6042.1	88.1
0°-180°	6857.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588574

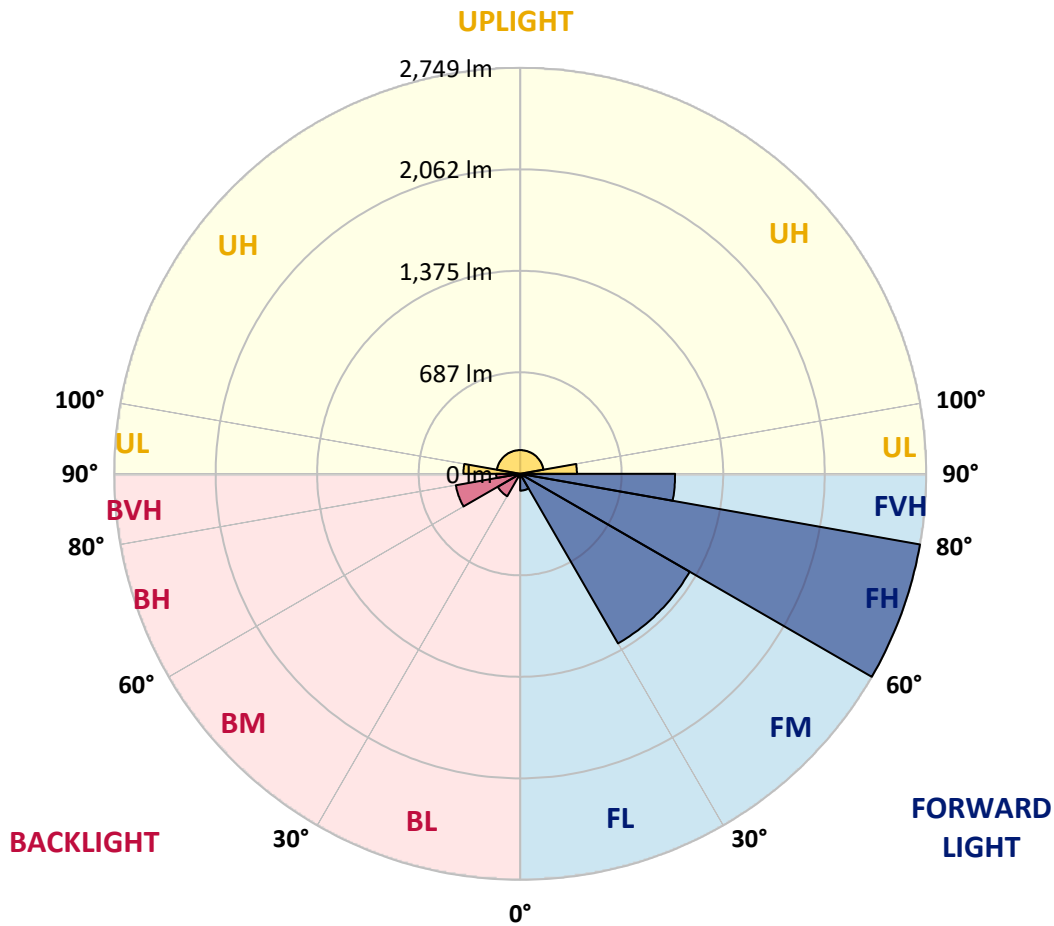
CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.8	1.7			
FM (30°-60°)	1325.9	19.3			
FH (60°-80°)	2749.1	40.1			G2/5000
FVH (80°-90°)	1049.0	15.3			G5
BL (0°-30°)	24.3	0.4	B0/110		
BM (30°-60°)	175.2	2.6	B0/220		
BH (60°-80°)	442.5	6.5	B1/500		G1/500
BVH (80°-90°)	162.4	2.4			G2/225
UL (90°-100°)	384.4	5.6		U3/500	
UH (100°-180°)	160.4	2.3		U3/500	

BUG Rating: B1-U3-G5

Type III Short





REPORT NUMBER: P588574

CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
2.5°	81.3	79.1	80.2	80.2	81.3	77.0	72.8	69.6	66.5	62.3	57.0
5°	116.1	114.0	110.8	109.7	107.6	103.4	97.1	95.0	88.6	80.2	69.6
7.5°	141.4	140.3	139.3	136.1	134.0	127.7	120.3	117.1	109.7	98.1	85.5
10°	160.4	160.4	161.5	156.2	146.7	141.4	135.1	133.0	127.7	111.9	96.0
12.5°	176.2	174.1	165.7	161.5	157.2	158.3	159.3	158.3	156.2	129.8	107.6
15°	191.0	188.9	182.6	177.3	174.1	184.7	207.9	205.8	204.7	163.6	125.6
17.5°	201.6	201.6	207.9	212.1	217.4	201.6	197.3	203.7	211.1	180.4	142.5
20°	232.2	227.9	222.7	218.4	244.8	233.2	237.4	244.8	250.1	201.6	156.2
22.5°	218.4	219.5	242.7	251.2	238.5	232.2	246.9	250.1	251.2	231.1	162.5
25°	298.6	284.9	276.5	302.9	300.7	347.2	360.9	370.4	370.4	313.4	226.9
27.5°	412.6	412.6	448.5	518.1	506.5	507.6	491.8	490.7	510.7	529.7	345.1
30°	447.4	459.0	559.3	594.1	632.1	584.6	532.9	492.8	501.2	603.6	402.1
32.5°	458.0	468.5	589.9	551.9	565.6	546.6	554.0	472.8	452.7	556.1	391.5
35°	399.9	414.7	513.9	465.4	439.0	496.0	564.6	506.5	497.0	456.9	354.6
37.5°	534.0	541.3	576.2	568.8	577.2	580.4	662.7	609.9	620.5	551.9	448.5
40°	613.1	604.7	740.8	773.5	760.8	749.2	741.8	660.6	673.3	639.5	606.8
42.5°	753.5	744.0	840.0	860.0	863.2	832.6	867.4	765.1	733.4	663.8	755.6
45°	763.0	768.2	859.0	807.3	861.1	917.0	980.3	862.1	805.2	688.0	878.0
47.5°	675.4	698.6	898.0	852.6	799.9	750.3	774.6	714.4	668.0	544.5	844.2
50°	689.1	698.6	826.3	772.4	642.7	795.7	1008.8	965.6	914.9	675.4	813.6
52.5°	975.1	970.8	1026.8	1029.9	1062.6	1194.6	1615.6	1580.8	1589.2	1314.9	1211.4
55°	1337.0	1334.9	1476.3	1702.1	1888.9	1953.3	2503.1	2365.9	2303.6	2037.7	2139.0
57.5°	1728.5	1746.5	1808.7	2125.3	2445.0	2528.4	3389.5	3318.8	3181.6	2658.2	2928.3
60°	2141.1	2130.6	2038.8	2246.6	2758.4	3174.2	4465.9	4499.6	4226.3	3346.2	3196.4
62.5°	2303.6	2289.9	2107.4	2355.3	2951.6	3281.9	4476.4	4573.5	4469.0	3643.8	3128.8
65°	2276.2	2244.5	2001.8	2197.0	2491.5	2792.2	3996.3	3674.4	3845.4	3726.1	2957.9
67.5°	2168.6	2161.2	1935.3	2043.0	2235.0	2274.1	3650.1	3325.1	3386.3	3800.0	3008.5
70°	2033.5	2031.4	1860.4	1941.7	2215.0	2174.9	3378.9	3029.6	2993.8	3401.1	3021.2
72.5°	2037.7	2035.6	1846.7	1874.1	2167.5	2102.1	3350.4	3071.9	3006.4	3204.8	2875.6
75°	2072.5	2074.6	1874.1	1904.7	2234.0	2116.8	3418.0	3165.8	3099.3	3185.8	2759.5
77.5°	2038.8	2055.6	1858.3	1926.9	2276.2	2114.7	3386.3	3147.8	3053.9	3029.6	2537.9
80°	1925.8	1949.1	1771.8	1850.9	2238.2	2143.2	3359.9	3120.4	3001.2	2868.2	2378.6
82.5°	1689.5	1713.7	1577.6	1650.4	2082.0	2026.1	3175.3	2943.1	2836.5	2604.4	2170.7
85°	1452.0	1508.0	1441.5	1452.0	1838.3	1855.1	2926.2	2721.5	2647.6	2445.0	2100.0
87.5°	1198.8	1247.3	1185.1	1110.1	1377.1	1474.2	2419.7	2318.4	2298.4	2158.0	1822.4
90°	887.5	931.8	894.9	796.7	932.8	994.1	1783.4	1727.5	1770.7	1610.3	1252.6
92.5°	643.7	651.1	607.8	526.6	621.5	651.1	1169.2	1083.8	1134.4	986.7	734.5
95°	430.5	448.5	414.7	379.9	450.6	453.8	720.7	657.4	630.0	566.7	439.0
97.5°	315.5	316.6	303.9	272.3	316.6	320.8	479.1	431.6	407.3	380.9	303.9
100°	250.1	250.1	231.1	211.1	220.5	229.0	333.5	300.7	288.1	276.5	229.0
102.5°	218.4	217.4	201.6	181.5	180.4	184.7	252.2	230.0	220.5	213.2	180.4
105°	206.8	205.8	189.9	168.8	163.6	160.4	210.0	195.2	188.9	182.6	162.5
107.5°	204.7	202.6	186.8	167.8	159.3	150.9	188.9	176.2	177.3	171.0	156.2
110°	206.8	206.8	193.1	181.5	167.8	156.2	189.9	176.2	180.4	178.3	162.5



REPORT NUMBER: P588574

CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	201.6	206.8	201.6	194.2	179.4	169.9	198.4	182.6	187.8	187.8	167.8
115°	189.9	195.2	195.2	187.8	174.1	171.0	196.3	182.6	184.7	181.5	156.2
117.5°	174.1	177.3	175.2	166.7	155.1	153.0	182.6	176.2	176.2	166.7	145.6
120°	162.5	156.2	147.7	141.4	135.1	140.3	164.6	158.3	153.0	148.8	133.0
122.5°	145.6	138.2	128.7	125.6	121.4	128.7	149.8	144.6	139.3	137.2	125.6
125°	120.3	120.3	116.1	114.0	112.9	123.5	147.7	142.5	135.1	130.9	117.1
127.5°	116.1	116.1	112.9	110.8	111.9	124.5	144.6	139.3	130.9	125.6	112.9
130°	117.1	115.0	110.8	107.6	108.7	123.5	143.5	137.2	128.7	124.5	112.9
132.5°	110.8	108.7	105.5	103.4	102.4	117.1	136.1	133.0	126.6	117.1	104.5
135°	107.6	105.5	103.4	102.4	102.4	114.0	129.8	126.6	120.3	109.7	96.0
137.5°	106.6	104.5	100.2	99.2	98.1	108.7	121.4	119.2	112.9	103.4	91.8
140°	101.3	98.1	95.0	93.9	93.9	102.4	115.0	112.9	106.6	99.2	88.6
142.5°	93.9	91.8	88.6	88.6	89.7	98.1	111.9	110.8	103.4	95.0	85.5
145°	89.7	87.6	85.5	86.5	87.6	95.0	105.5	104.5	99.2	91.8	82.3
147.5°	82.3	81.3	79.1	78.1	80.2	86.5	98.1	98.1	95.0	85.5	76.0
150°	71.8	70.7	68.6	67.5	69.6	76.0	85.5	85.5	82.3	72.8	64.4
152.5°	60.1	59.1	59.1	60.1	62.3	65.4	73.9	74.9	71.8	62.3	54.9
155°	52.8	51.7	51.7	52.8	55.9	59.1	64.4	64.4	61.2	54.9	47.5
157.5°	45.4	44.3	44.3	45.4	48.5	50.7	55.9	54.9	52.8	47.5	41.2
160°	34.8	33.8	33.8	34.8	38.0	40.1	44.3	44.3	43.3	40.1	34.8
162.5°	26.4	25.3	25.3	26.4	28.5	29.5	32.7	33.8	33.8	31.7	27.4
165°	20.0	19.0	19.0	19.0	21.1	22.2	23.2	23.2	23.2	22.2	19.0
167.5°	12.7	11.6	11.6	12.7	13.7	13.7	14.8	14.8	13.7	13.7	11.6
170°	6.3	5.3	5.3	6.3	6.3	6.3	5.3	4.2	4.2	4.2	4.2
172.5°	2.1	1.1	3.2	3.2	2.1	0.0	0.0	1.1	1.1	1.1	0.0
175°	2.1	1.1	3.2	3.2	2.1	0.0	0.0	1.1	0.0	1.1	0.0
177.5°	1.1	1.1	3.2	3.2	2.1	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



REPORT NUMBER: P588574

CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
2.5°	54.9	53.8	49.6	43.3	36.9	30.6	29.5	30.6	31.7	32.7	33.8
5°	65.4	61.2	52.8	43.3	34.8	26.4	22.2	20.0	19.0	20.0	21.1
7.5°	79.1	73.9	63.3	51.7	41.2	32.7	27.4	22.2	19.0	19.0	20.0
10°	88.6	82.3	69.6	57.0	46.4	36.9	30.6	25.3	22.2	20.0	20.0
12.5°	99.2	90.8	73.9	60.1	48.5	40.1	33.8	28.5	25.3	23.2	23.2
15°	110.8	101.3	81.3	63.3	51.7	42.2	36.9	31.7	27.4	25.3	25.3
17.5°	129.8	114.0	85.5	66.5	53.8	44.3	38.0	32.7	28.5	26.4	26.4
20°	138.2	120.3	86.5	69.6	57.0	46.4	39.0	32.7	29.5	27.4	27.4
22.5°	138.2	119.2	88.6	71.8	60.1	48.5	40.1	33.8	29.5	27.4	27.4
25°	174.1	130.9	90.8	77.0	63.3	50.7	42.2	34.8	30.6	28.5	28.5
27.5°	243.8	171.0	104.5	82.3	67.5	53.8	44.3	36.9	31.7	29.5	29.5
30°	268.0	191.0	119.2	96.0	73.9	57.0	46.4	39.0	33.8	30.6	30.6
32.5°	273.3	187.8	127.7	105.5	84.4	62.3	48.5	41.2	34.8	31.7	31.7
35°	246.9	174.1	127.7	109.7	90.8	69.6	53.8	43.3	35.9	32.7	31.7
37.5°	288.1	187.8	130.9	110.8	93.9	74.9	60.1	46.4	38.0	33.8	33.8
40°	372.5	222.7	146.7	117.1	95.0	78.1	66.5	51.7	41.2	35.9	35.9
42.5°	435.8	251.2	163.6	133.0	103.4	82.3	68.6	55.9	45.4	39.0	38.0
45°	489.6	278.6	178.3	147.7	118.2	91.8	72.8	60.1	49.6	43.3	42.2
47.5°	499.1	292.3	189.9	162.5	129.8	101.3	79.1	64.4	54.9	47.5	46.4
50°	482.3	293.4	194.2	172.0	142.5	111.9	86.5	69.6	59.1	51.7	51.7
52.5°	689.1	366.2	213.2	177.3	146.7	120.3	96.0	76.0	63.3	57.0	57.0
55°	1243.1	592.0	275.4	210.0	157.2	126.6	104.5	85.5	69.6	62.3	62.3
57.5°	2009.2	924.4	364.1	280.7	202.6	146.7	114.0	95.0	78.1	67.5	67.5
60°	2662.4	1304.3	443.2	341.9	265.9	201.6	138.2	107.6	87.6	74.9	73.9
62.5°	3065.5	1646.2	489.6	365.1	303.9	255.4	185.7	135.1	99.2	85.5	83.4
65°	2975.8	1817.2	509.7	363.0	301.8	272.3	221.6	167.8	119.2	98.1	95.0
67.5°	2733.1	1818.2	506.5	347.2	286.0	258.5	220.5	181.5	138.2	110.8	106.6
70°	2611.8	1786.6	490.7	335.6	273.3	241.7	204.7	166.7	136.1	118.2	116.1
72.5°	2553.7	1765.4	481.2	333.5	271.2	235.3	194.2	148.8	122.4	112.9	115.0
75°	2567.4	1778.1	485.4	336.6	275.4	238.5	189.9	138.2	107.6	97.1	99.2
77.5°	2536.8	1752.8	491.8	335.6	273.3	233.2	177.3	126.6	98.1	87.6	86.5
80°	2562.2	1697.9	477.0	325.0	257.5	212.1	157.2	112.9	89.7	82.3	81.3
82.5°	2368.0	1478.4	424.2	296.5	233.2	182.6	131.9	99.2	84.4	76.0	76.0
85°	2170.7	1198.8	364.1	260.6	192.1	143.5	105.5	86.5	73.9	67.5	67.5
87.5°	1647.3	859.0	281.8	214.2	160.4	123.5	96.0	83.4	72.8	68.6	67.5
90°	1018.3	529.7	210.0	171.0	136.1	109.7	90.8	80.2	71.8	68.6	68.6
92.5°	569.8	338.7	162.5	140.3	117.1	98.1	83.4	72.8	65.4	62.3	62.3
95°	386.2	253.3	139.3	125.6	104.5	86.5	72.8	63.3	57.0	52.8	52.8
97.5°	279.6	199.4	123.5	112.9	93.9	76.0	64.4	54.9	49.6	47.5	47.5
100°	214.2	161.5	111.9	101.3	83.4	66.5	55.9	47.5	42.2	40.1	40.1
102.5°	172.0	136.1	101.3	91.8	73.9	59.1	47.5	39.0	34.8	33.8	32.7
105°	155.1	126.6	95.0	85.5	67.5	53.8	42.2	34.8	30.6	28.5	28.5
107.5°	150.9	126.6	93.9	83.4	64.4	50.7	38.0	31.7	27.4	25.3	25.3
110°	160.4	134.0	95.0	81.3	60.1	46.4	34.8	28.5	24.3	23.2	23.2



REPORT NUMBER: P588574

CATALOG NUMBER: ARC-CA6-100-760-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	165.7	135.1	90.8	76.0	55.9	42.2	32.7	26.4	23.2	21.1	21.1
115°	152.0	121.4	83.4	67.5	49.6	38.0	30.6	25.3	21.1	19.0	19.0
117.5°	146.7	114.0	81.3	59.1	45.4	34.8	28.5	23.2	20.0	17.9	17.9
120°	146.7	110.8	71.8	51.7	41.2	31.7	26.4	21.1	17.9	16.9	16.9
122.5°	141.4	102.4	63.3	45.4	35.9	27.4	23.2	19.0	16.9	14.8	14.8
125°	128.7	95.0	51.7	41.2	32.7	25.3	21.1	17.9	14.8	13.7	13.7
127.5°	121.4	93.9	48.5	38.0	29.5	23.2	19.0	15.8	12.7	11.6	11.6
130°	120.3	93.9	45.4	33.8	26.4	20.0	16.9	13.7	11.6	10.6	10.6
132.5°	107.6	85.5	43.3	31.7	24.3	19.0	15.8	12.7	10.6	9.5	9.5
135°	97.1	79.1	42.2	29.5	22.2	16.9	13.7	11.6	8.4	8.4	8.4
137.5°	89.7	72.8	42.2	27.4	20.0	14.8	12.7	10.6	7.4	7.4	7.4
140°	84.4	67.5	41.2	26.4	17.9	13.7	11.6	8.4	6.3	6.3	6.3
142.5°	79.1	63.3	38.0	25.3	16.9	11.6	10.6	8.4	6.3	5.3	5.3
145°	72.8	58.0	33.8	23.2	15.8	10.6	9.5	7.4	5.3	4.2	4.2
147.5°	66.5	51.7	29.5	20.0	14.8	9.5	8.4	6.3	4.2	4.2	4.2
150°	57.0	44.3	26.4	17.9	12.7	8.4	7.4	5.3	4.2	3.2	3.2
152.5°	46.4	38.0	23.2	15.8	11.6	7.4	6.3	4.2	3.2	2.1	2.1
155°	41.2	33.8	21.1	13.7	9.5	6.3	5.3	3.2	3.2	2.1	2.1
157.5°	35.9	29.5	19.0	11.6	7.4	4.2	4.2	3.2	2.1	2.1	1.1
160°	29.5	25.3	15.8	9.5	6.3	3.2	3.2	2.1	2.1	1.1	1.1
162.5°	23.2	19.0	11.6	7.4	4.2	2.1	2.1	2.1	2.1	1.1	0.0
165°	15.8	13.7	8.4	5.3	3.2	1.1	1.1	2.1	1.1	1.1	0.0
167.5°	10.6	8.4	5.3	3.2	2.1	0.0	1.1	1.1	1.1	1.1	0.0
170°	4.2	4.2	3.2	2.1	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)