

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: P588416

Luminaire Tested: **ARC-CA6-120-760-U-33-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588416
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-CA6-120-760-U-33-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16181 lumens
Efficiency: N/A
Efficacy: 135.6 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

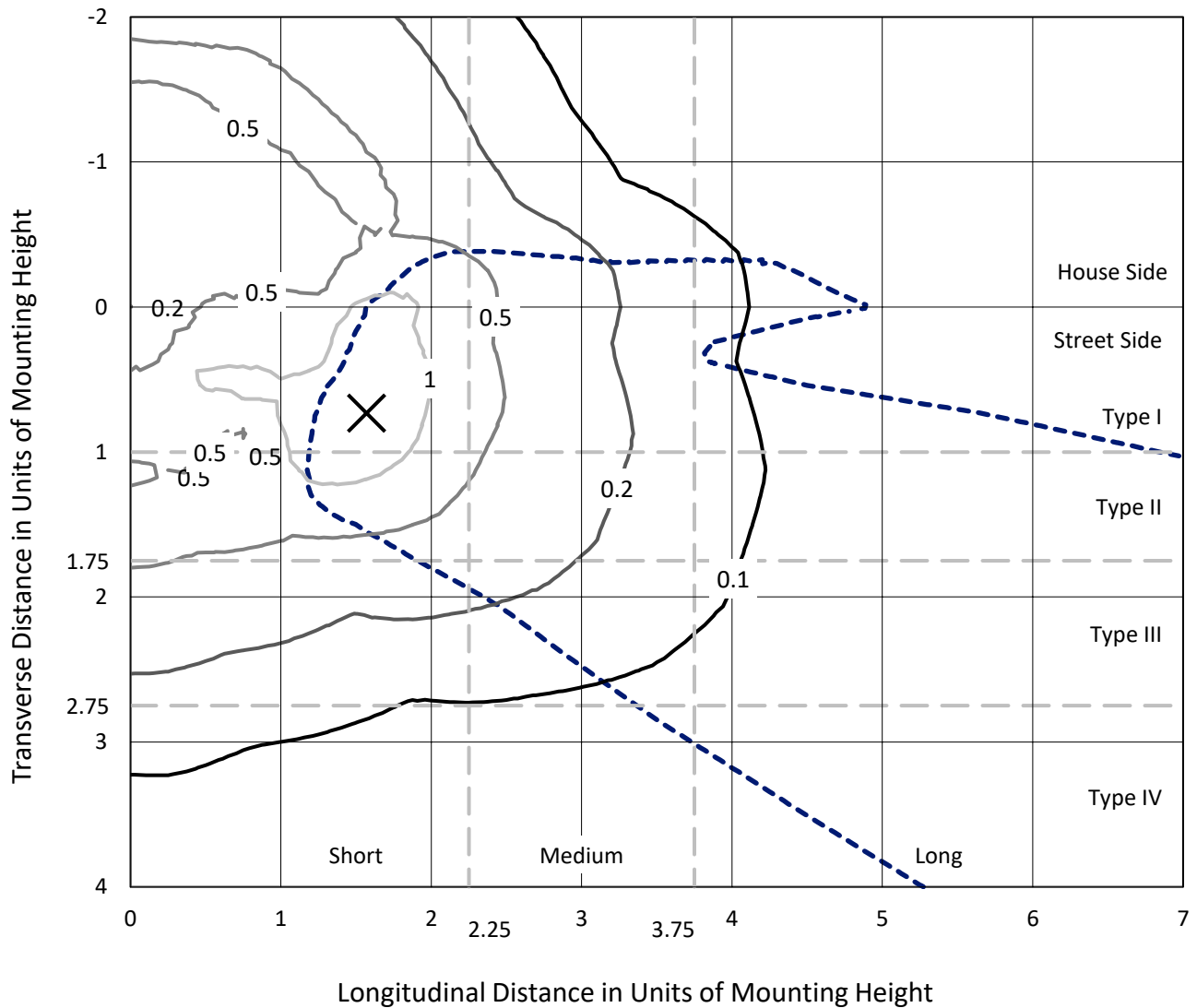
Input Watts (W): 119.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P588416
 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

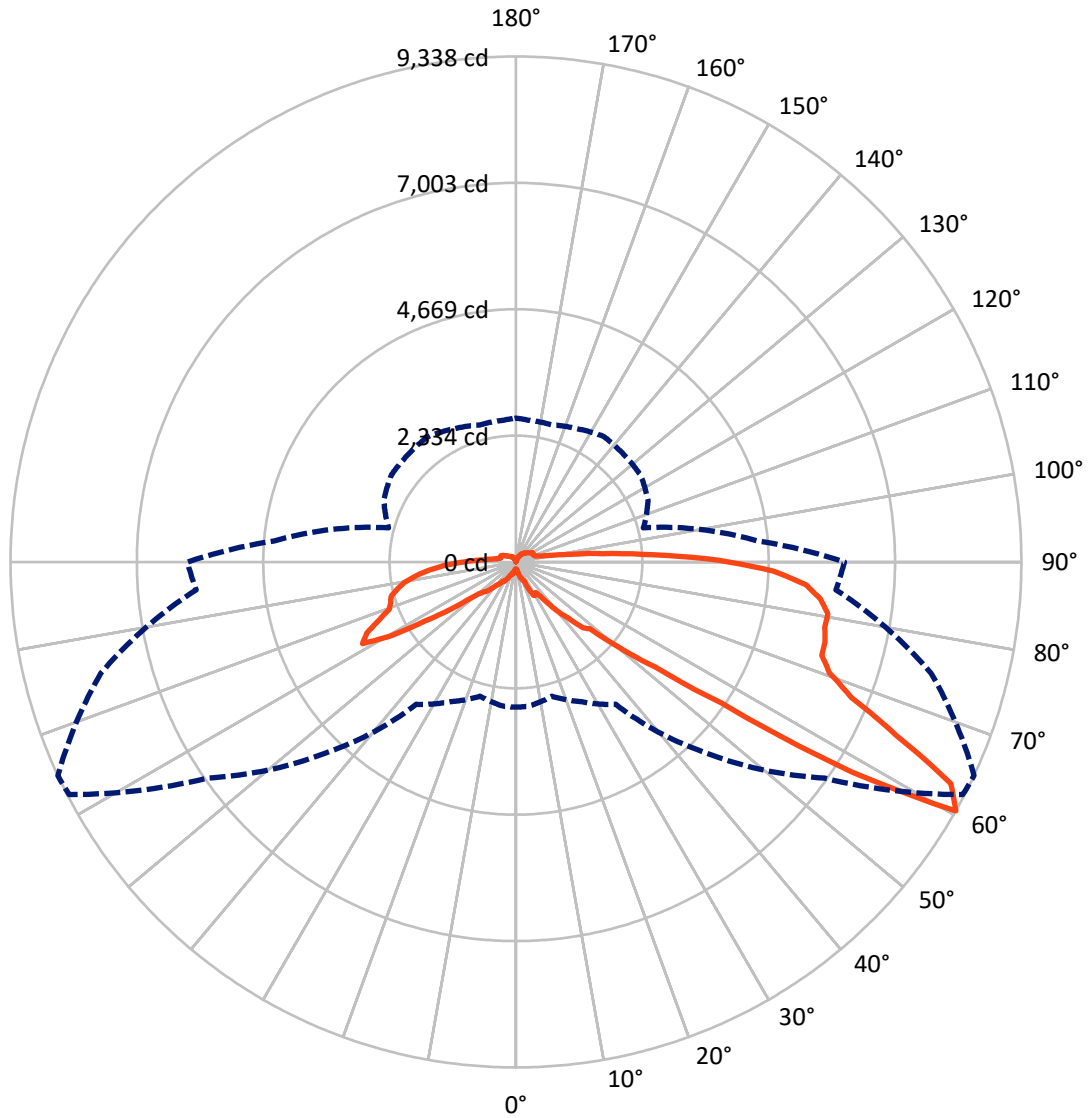
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P588416
CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

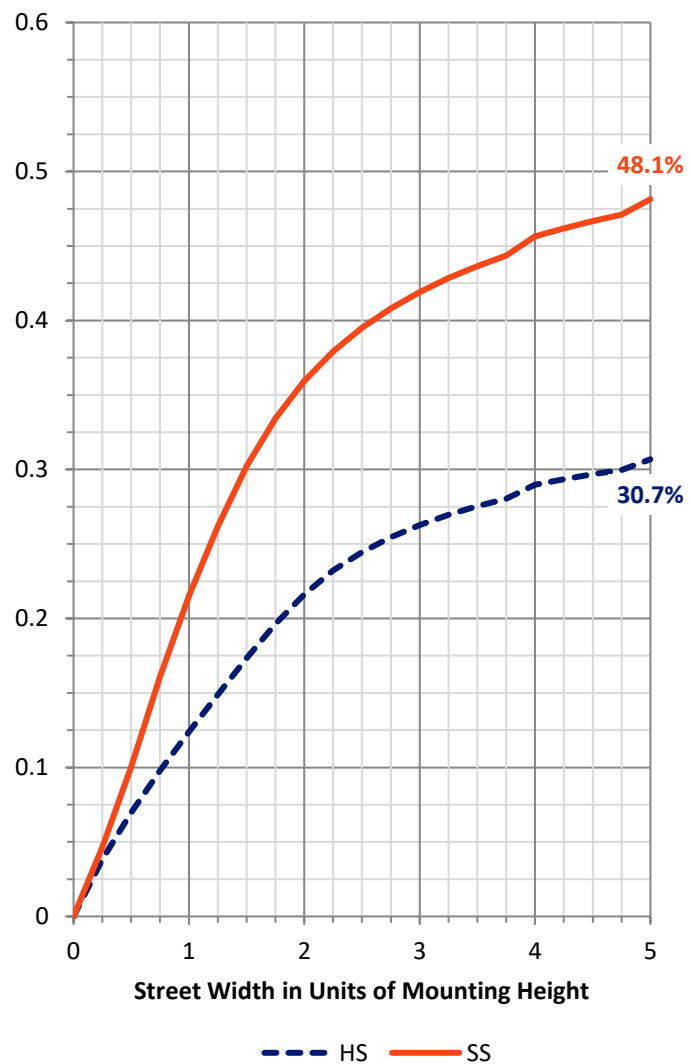
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5396.0	864.1	6260.1
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	8632.9	1288.0	9920.9
	% Fixture	53.4	8.0	61.3
Total	Lumens	14028.9	2152.1	16181.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.1
10°-20°	69.1	0.4
20°-30°	197.6	1.2
30°-40°	425.6	2.6
40°-50°	805.3	5.0
50°-60°	2249.7	13.9
60°-70°	4010.8	24.8
70°-80°	3511.5	21.7
80°-90°	2743.7	17.0
90°-100°	1037.3	6.4
100°-110°	356.8	2.2
110°-120°	291.7	1.8
120°-130°	196.0	1.2
130°-140°	134.5	0.8
140°-150°	84.6	0.5
150°-160°	39.2	0.2
160°-170°	11.1	0.1
170°-180°	1.0	0.0
0°-90°	14028.9	86.7
0°-180°	16181.0	100.0

Coefficient of Utilization



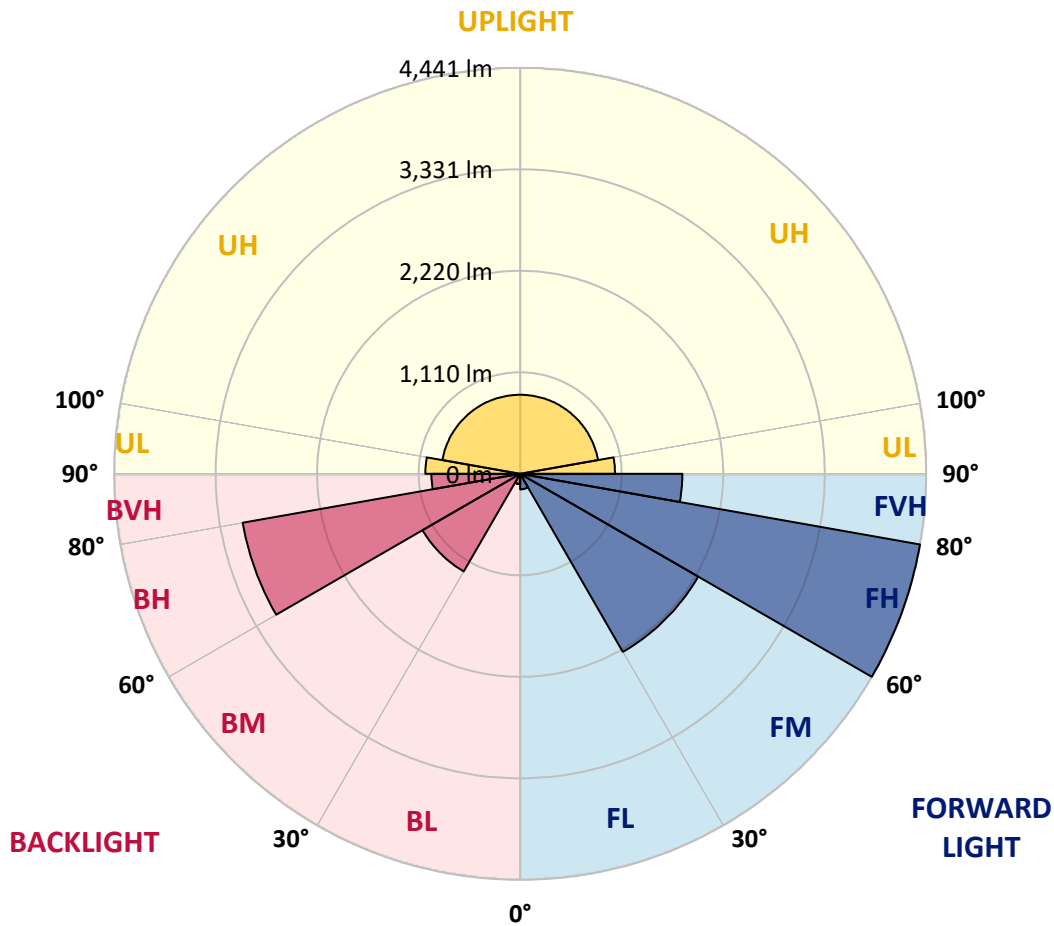
REPORT NUMBER: P588416
 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.5	1.1			
FM (30°-60°)	2248.2	13.9			
FH (60°-80°)	4440.8	27.4			G2/5000
FVH (80°-90°)	1773.4	11.0			G5
BL (0°-30°)	111.8	0.7	B1/500		
BM (30°-60°)	1232.5	7.6	B2/2500		
BH (60°-80°)	3081.5	19.0	B4/5000		G4/5000
BVH (80°-90°)	970.2	6.0			G5
UL (90°-100°)	1037.3	6.4		U5	
UH (100°-180°)	864.1	5.3		U4/1000	

BUG Rating: B4-U5-G5

Type III Short





REPORT NUMBER: P588416
 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
2.5°	142.7	138.5	134.3	134.3	132.2	130.1	130.1	125.9	128.0	125.9	125.9
5°	167.8	165.7	161.5	163.6	159.4	157.3	157.3	155.2	153.1	151.0	144.8
7.5°	195.1	195.1	197.2	199.3	193.0	186.7	184.6	180.4	180.4	178.3	174.1
10°	224.5	222.4	214.0	214.0	209.8	205.6	207.7	205.6	205.6	205.6	197.2
12.5°	232.9	230.8	224.5	224.5	224.5	222.4	230.8	228.7	230.8	228.7	216.1
15°	262.2	260.1	258.0	260.1	268.5	285.3	306.3	297.9	300.0	295.8	249.6
17.5°	274.8	281.1	285.3	287.4	295.8	295.8	300.0	297.9	306.3	312.6	285.3
20°	318.9	314.7	318.9	333.6	354.5	356.6	350.3	350.3	354.5	356.6	304.2
22.5°	337.8	335.7	352.4	339.9	339.9	350.3	388.1	375.5	375.5	371.3	327.3
25°	438.4	446.8	463.6	484.6	534.9	549.6	591.6	545.4	551.7	486.7	415.4
27.5°	526.6	532.9	631.5	719.6	759.4	738.4	774.1	688.1	696.5	704.9	606.3
30°	553.8	566.4	709.1	774.1	826.5	784.6	830.7	717.5	711.2	759.4	719.6
32.5°	532.9	545.4	696.5	723.8	778.3	933.5	874.8	692.3	673.4	696.5	744.7
35°	585.3	593.7	683.9	618.9	669.2	1304.9	1145.4	807.7	769.9	641.9	713.3
37.5°	702.8	702.8	809.8	855.9	893.7	1539.8	1504.2	1004.9	975.5	751.0	824.5
40°	851.7	847.5	979.7	1011.2	1027.9	1395.1	1818.8	1281.8	1216.7	883.2	1074.1
42.5°	941.9	933.5	1040.5	1074.1	1074.1	1181.1	2058.0	1560.8	1409.7	1030.0	1313.2
45°	977.6	986.0	1124.4	1082.5	1114.0	1212.6	2313.9	1946.8	1734.9	1208.4	1523.0
47.5°	885.3	897.9	1097.2	1101.4	941.9	969.2	2074.8	2022.3	1848.2	1294.4	1590.2
50°	1086.7	1095.1	1166.4	1118.1	1040.5	1227.2	2471.3	2599.2	2523.7	1602.8	1678.3
52.5°	1491.6	1529.3	1596.5	1638.4	1615.3	2062.2	3314.6	3291.5	3228.6	2406.2	2290.8
55°	1932.1	1963.6	2058.0	2311.8	2504.8	3088.0	4122.3	4604.8	4600.6	3908.3	3570.5
57.5°	2332.8	2334.9	2347.5	2660.1	2958.0	4032.1	5399.8	7172.5	7332.0	6243.2	5112.4
60°	2681.0	2674.7	2567.8	2846.8	3209.7	4999.2	6960.6	9306.0	9337.5	7938.2	5930.6
62.5°	2775.4	2756.6	2601.3	2861.5	3171.9	5018.0	7359.2	9052.2	9016.5	8057.8	6037.6
65°	2693.6	2674.7	2477.6	2710.4	2857.3	4560.7	6797.0	7785.1	7726.4	7361.3	5748.1
67.5°	2572.0	2584.5	2389.4	2567.8	2668.5	4277.5	6205.4	6698.4	6681.6	6859.9	5506.8
70°	2395.7	2406.2	2227.9	2448.2	2595.0	4097.1	5639.0	6173.9	6144.6	6406.8	5152.3
72.5°	2402.0	2433.5	2221.6	2387.3	2540.5	3849.5	5383.1	5993.5	5907.5	5947.4	4726.4
75°	2418.8	2460.8	2236.3	2385.2	2527.9	3759.3	5353.7	6008.2	5899.1	5781.7	4564.9
77.5°	2425.1	2485.9	2244.7	2408.3	2532.1	3635.6	5286.6	5934.8	5832.0	5622.2	4374.0
80°	2374.8	2439.8	2209.0	2410.4	2504.8	3390.1	5116.6	5922.2	5844.6	5601.2	4296.4
82.5°	2274.1	2339.1	2139.8	2305.5	2452.4	3140.5	4877.5	5676.8	5672.6	5399.8	4132.7
85°	2053.8	2125.1	1974.1	2127.2	2307.6	2809.0	4395.0	5259.3	5374.7	5154.4	3912.5
87.5°	1841.9	1913.2	1833.5	1919.5	2102.0	2441.9	3776.1	4539.7	4755.8	4573.3	3360.7
90°	1600.7	1674.1	1609.0	1575.5	1722.3	1948.9	3018.8	3530.7	3734.2	3623.0	2473.4
92.5°	1281.8	1344.7	1283.9	1206.3	1294.4	1430.7	2242.6	2471.3	2519.5	2412.5	1621.6
95°	969.2	1015.4	960.8	883.2	893.7	979.7	1546.1	1619.5	1606.9	1479.0	1030.0
97.5°	673.4	700.7	665.0	610.5	629.4	683.9	1023.7	1015.4	1015.4	904.2	673.4
100°	467.8	478.3	461.5	436.4	451.0	486.7	688.1	686.0	665.0	610.5	490.9
102.5°	371.3	373.4	356.6	339.9	331.5	365.0	497.2	495.1	499.3	474.1	383.9
105°	327.3	325.2	310.5	295.8	279.0	312.6	394.4	411.2	409.1	388.1	329.4
107.5°	300.0	297.9	283.2	270.6	255.9	285.3	341.9	365.0	362.9	360.8	310.5
110°	279.0	276.9	264.3	251.7	239.2	272.7	321.0	356.6	356.6	356.6	314.7



REPORT NUMBER: P588416

CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	264.3	264.3	253.8	243.3	232.9	270.6	308.4	350.3	350.3	360.8	329.4
115°	255.9	253.8	245.4	239.2	230.8	272.7	304.2	346.1	348.2	362.9	327.3
117.5°	249.6	247.5	241.3	232.9	228.7	268.5	306.3	354.5	352.4	375.5	321.0
120°	239.2	235.0	226.6	218.2	214.0	247.5	297.9	344.0	339.9	350.3	295.8
122.5°	230.8	218.2	203.5	197.2	197.2	224.5	279.0	310.5	306.3	297.9	266.4
125°	211.9	199.3	186.7	184.6	186.7	209.8	266.4	285.3	287.4	281.1	251.7
127.5°	190.9	182.5	176.2	176.2	180.4	205.6	262.2	274.8	274.8	262.2	239.2
130°	180.4	178.3	174.1	174.1	182.5	207.7	255.9	260.1	260.1	243.3	232.9
132.5°	176.2	172.0	167.8	167.8	176.2	201.4	239.2	247.5	245.4	228.7	220.3
135°	167.8	165.7	161.5	161.5	172.0	197.2	224.5	232.9	230.8	209.8	203.5
137.5°	163.6	159.4	159.4	159.4	169.9	195.1	211.9	218.2	216.1	195.1	188.8
140°	157.3	155.2	151.0	151.0	165.7	188.8	199.3	201.4	199.3	182.5	176.2
142.5°	146.8	144.8	142.7	146.8	161.5	178.3	186.7	186.7	184.6	174.1	165.7
145°	140.6	138.5	136.4	146.8	159.4	167.8	176.2	169.9	169.9	163.6	155.2
147.5°	134.3	132.2	132.2	140.6	151.0	151.0	157.3	155.2	157.3	155.2	146.8
150°	121.7	119.6	119.6	125.9	128.0	128.0	134.3	134.3	134.3	134.3	128.0
152.5°	107.0	104.9	107.0	109.1	109.1	109.1	113.3	115.4	115.4	113.3	111.2
155°	92.3	92.3	92.3	94.4	94.4	92.3	98.6	98.6	98.6	98.6	96.5
157.5°	81.8	81.8	81.8	81.8	81.8	79.7	83.9	83.9	86.0	83.9	83.9
160°	71.3	69.2	69.2	69.2	69.2	67.1	69.2	69.2	69.2	71.3	71.3
162.5°	56.6	54.5	54.5	54.5	54.5	50.3	54.5	52.4	54.5	54.5	56.6
165°	46.2	44.1	44.1	44.1	42.0	39.9	42.0	39.9	39.9	39.9	42.0
167.5°	35.7	35.7	33.6	35.7	33.6	29.4	29.4	27.3	27.3	27.3	27.3
170°	27.3	25.2	23.1	25.2	23.1	18.9	18.9	16.8	16.8	14.7	14.7
172.5°	18.9	16.8	14.7	16.8	14.7	10.5	10.5	6.3	6.3	6.3	6.3
175°	16.8	14.7	12.6	14.7	12.6	8.4	6.3	4.2	4.2	4.2	4.2
177.5°	16.8	14.7	12.6	14.7	12.6	8.4	6.3	4.2	4.2	4.2	4.2
180°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



REPORT NUMBER: P588416
 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
2.5°	125.9	123.8	121.7	125.9	123.8	125.9	128.0	130.1	130.1	128.0	128.0
5°	144.8	142.7	138.5	136.4	132.2	132.2	132.2	136.4	136.4	134.3	136.4
7.5°	172.0	167.8	161.5	157.3	151.0	151.0	148.9	153.1	155.2	151.0	153.1
10°	193.0	190.9	182.5	176.2	169.9	167.8	167.8	169.9	169.9	167.8	167.8
12.5°	211.9	207.7	199.3	193.0	184.6	182.5	182.5	184.6	184.6	182.5	182.5
15°	239.2	226.6	218.2	211.9	203.5	201.4	199.3	201.4	203.5	199.3	199.3
17.5°	276.9	262.2	243.3	226.6	218.2	222.4	224.5	226.6	224.5	218.2	218.2
20°	297.9	289.5	264.3	251.7	241.3	241.3	241.3	241.3	241.3	239.2	241.3
22.5°	312.6	300.0	268.5	260.1	253.8	258.0	262.2	264.3	264.3	262.2	262.2
25°	379.7	333.6	302.1	295.8	287.4	289.5	285.3	285.3	287.4	285.3	289.5
27.5°	522.4	446.8	375.5	350.3	344.0	344.0	348.2	348.2	348.2	348.2	346.1
30°	627.3	539.1	421.7	388.1	383.9	402.8	413.3	421.7	417.5	411.2	411.2
32.5°	644.0	547.5	430.1	417.5	428.0	442.6	453.1	459.4	465.7	463.6	461.5
35°	608.4	505.6	423.8	440.5	448.9	457.3	459.4	455.2	474.1	482.5	484.6
37.5°	679.7	566.4	493.0	505.6	495.1	486.7	490.9	493.0	518.2	530.8	543.3
40°	868.5	683.9	560.1	553.8	547.5	566.4	591.6	604.2	602.1	593.7	595.8
42.5°	1051.0	799.3	631.5	629.4	627.3	660.8	700.7	698.6	679.7	665.0	665.0
45°	1237.7	910.5	744.7	746.8	742.6	755.2	765.7	757.3	759.4	763.6	767.8
47.5°	1353.1	1011.2	816.1	809.8	782.5	807.7	837.0	818.2	811.9	801.4	805.6
50°	1380.4	1036.3	858.0	904.2	879.0	860.1	828.6	816.1	839.1	855.9	868.5
52.5°	1793.7	1279.7	1072.0	1145.4	1111.9	1044.7	1038.4	1017.5	1042.6	1044.7	1059.4
55°	3006.2	2051.7	1476.9	1548.2	1550.3	1527.2	1632.1	1573.4	1520.9	1497.9	1489.5
57.5°	4739.0	3171.9	1911.1	2001.3	2087.4	2169.2	2311.8	2192.2	2041.2	2022.3	2043.3
60°	6069.1	4478.9	2437.7	2691.5	2806.9	2811.1	2830.0	2712.5	2620.2	2628.6	2658.0
62.5°	6354.4	5569.8	3104.8	3209.7	3220.2	3142.6	3176.1	3251.7	3121.6	3018.8	3046.1
65°	6163.5	6001.9	3323.0	3050.3	3033.5	3046.1	3274.7	3484.5	3222.3	2962.2	2962.2
67.5°	5794.2	5672.6	3100.6	2744.0	2790.1	2932.8	3222.3	3327.2	3048.2	2771.2	2771.2
70°	5399.8	5156.5	2851.0	2500.6	2613.9	2779.6	2968.4	2976.8	2813.2	2616.0	2603.4
72.5°	4974.0	4753.7	2744.0	2429.3	2481.7	2511.1	2613.9	2678.9	2660.1	2532.1	2530.0
75°	4848.1	4669.8	2741.9	2395.7	2364.3	2353.8	2425.1	2565.7	2630.7	2555.2	2559.4
77.5°	4657.2	4550.2	2613.9	2255.2	2221.6	2221.6	2259.4	2372.7	2471.3	2439.8	2450.3
80°	4525.0	4363.5	2418.8	2102.0	2055.9	2062.2	2066.4	2144.0	2236.3	2240.5	2240.5
82.5°	4271.2	3967.0	2123.0	1873.4	1841.9	1850.3	1835.6	1879.7	1904.8	1936.3	1930.0
85°	3853.7	3423.7	1793.7	1623.7	1573.4	1556.6	1544.0	1546.1	1560.8	1554.5	1529.3
87.5°	3228.6	2714.6	1430.7	1332.1	1273.4	1231.4	1214.7	1193.7	1191.6	1168.5	1176.9
90°	2383.1	1862.9	1061.5	1025.8	983.9	939.8	916.8	895.8	879.0	855.9	847.5
92.5°	1554.5	1200.0	776.2	757.3	730.0	704.9	694.4	683.9	679.7	660.8	667.1
95°	971.3	811.9	583.2	562.2	547.5	541.2	543.3	545.4	541.2	520.3	526.6
97.5°	648.2	587.4	455.2	440.5	425.9	423.8	425.9	430.1	432.2	417.5	421.7
100°	478.3	451.0	373.4	362.9	350.3	346.1	348.2	352.4	354.5	341.9	344.0
102.5°	379.7	367.1	323.1	318.9	304.2	300.0	304.2	306.3	308.4	300.0	300.0
105°	333.6	333.6	297.9	295.8	285.3	281.1	283.2	285.3	287.4	279.0	279.0
107.5°	321.0	323.1	287.4	289.5	283.2	281.1	285.3	289.5	287.4	281.1	279.0
110°	331.5	335.7	287.4	293.7	295.8	300.0	308.4	310.5	310.5	306.3	308.4



REPORT NUMBER: P588416
 CATALOG NUMBER: ARC-CA6-120-760-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	341.9	348.2	283.2	297.9	312.6	323.1	337.8	346.1	341.9	339.9	341.9
115°	333.6	337.8	264.3	287.4	314.7	329.4	333.6	333.6	323.1	323.1	325.2
117.5°	323.1	331.5	245.4	264.3	283.2	295.8	293.7	287.4	274.8	270.6	283.2
120°	300.0	325.2	235.0	239.2	241.3	245.4	239.2	232.9	222.4	220.3	228.7
122.5°	276.9	300.0	216.1	211.9	209.8	209.8	207.7	205.6	199.3	201.4	209.8
125°	258.0	270.6	197.2	190.9	188.8	190.9	190.9	190.9	186.7	182.5	182.5
127.5°	243.3	247.5	186.7	178.3	176.2	176.2	176.2	178.3	176.2	169.9	169.9
130°	235.0	232.9	180.4	165.7	163.6	165.7	165.7	167.8	163.6	159.4	159.4
132.5°	218.2	214.0	172.0	157.3	155.2	157.3	157.3	157.3	153.1	148.9	148.9
135°	199.3	195.1	161.5	146.8	144.8	146.8	146.8	148.9	144.8	140.6	140.6
137.5°	184.6	180.4	151.0	138.5	136.4	136.4	138.5	138.5	136.4	132.2	132.2
140°	172.0	167.8	140.6	130.1	125.9	128.0	128.0	128.0	125.9	121.7	121.7
142.5°	161.5	159.4	130.1	119.6	115.4	117.5	117.5	119.6	115.4	111.2	111.2
145°	153.1	148.9	121.7	109.1	107.0	107.0	107.0	109.1	104.9	100.7	100.7
147.5°	144.8	140.6	111.2	98.6	96.5	96.5	96.5	96.5	94.4	90.2	88.1
150°	128.0	125.9	102.8	90.2	86.0	86.0	86.0	83.9	79.7	75.5	75.5
152.5°	109.1	107.0	90.2	79.7	75.5	75.5	73.4	73.4	69.2	67.1	65.0
155°	94.4	94.4	81.8	71.3	67.1	65.0	62.9	62.9	60.8	58.7	56.6
157.5°	83.9	81.8	73.4	65.0	56.6	56.6	54.5	54.5	52.4	50.3	48.3
160°	71.3	71.3	62.9	54.5	48.3	46.2	46.2	44.1	42.0	39.9	39.9
162.5°	56.6	56.6	50.3	44.1	37.8	37.8	35.7	35.7	33.6	31.5	29.4
165°	39.9	39.9	37.8	33.6	29.4	27.3	27.3	27.3	25.2	23.1	23.1
167.5°	27.3	27.3	25.2	23.1	21.0	18.9	21.0	21.0	18.9	16.8	16.8
170°	14.7	14.7	12.6	12.6	10.5	10.5	12.6	14.7	12.6	10.5	8.4
172.5°	6.3	6.3	6.3	6.3	4.2	6.3	8.4	10.5	8.4	6.3	6.3
175°	4.2	4.2	6.3	6.3	4.2	6.3	8.4	10.5	8.4	6.3	6.3
177.5°	4.2	4.2	6.3	6.3	4.2	6.3	8.4	10.5	8.4	6.3	6.3
180°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4

(END OF REPORT)