

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: P588604

Luminaire Tested: **ARC-CA6-130-730-U-33-X-5-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588604
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-CA6-130-730-U-33-X-5-X-GHSS
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD
Light Source: (3) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8059 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U4 - G5

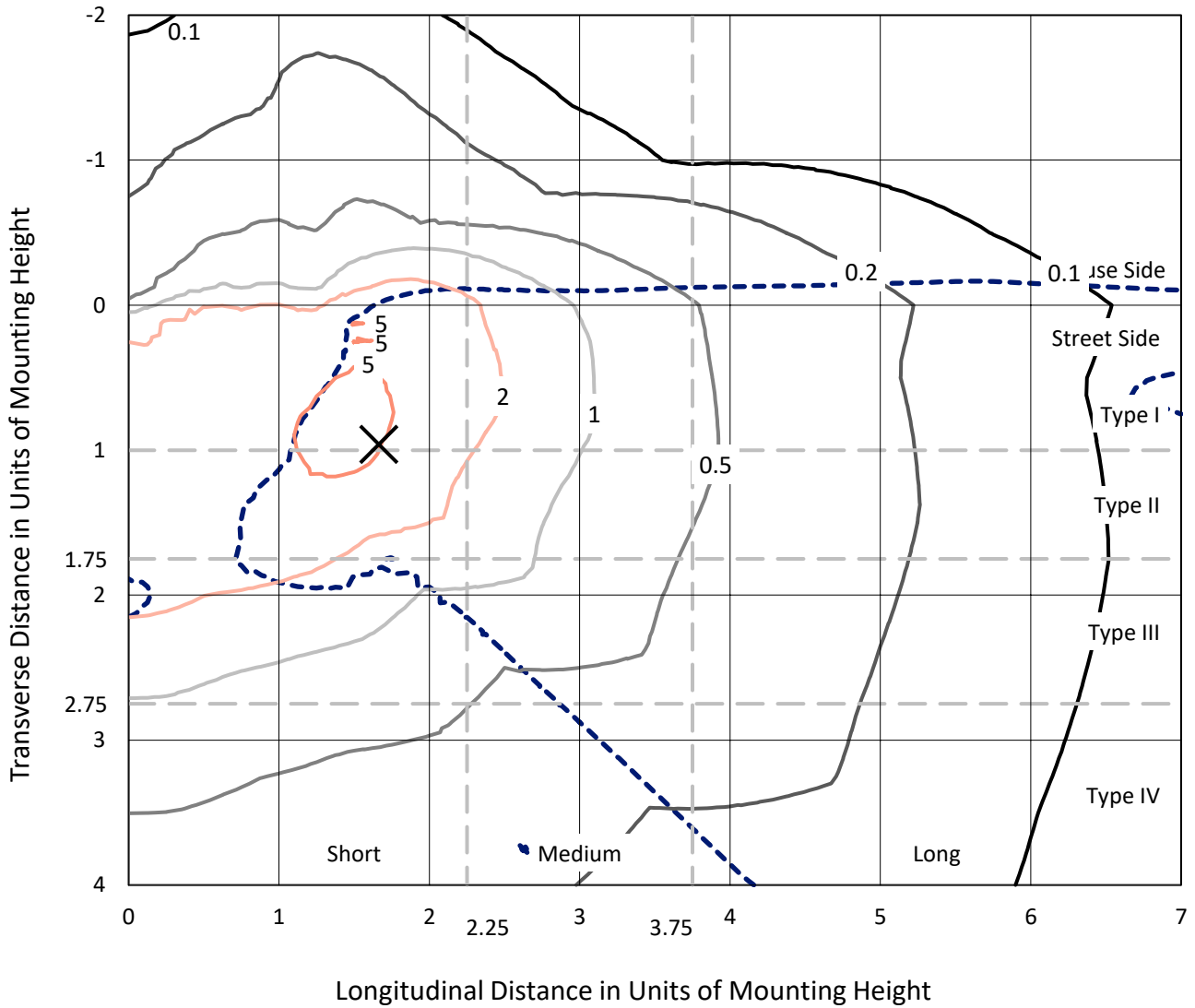
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P588604
 CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

Iso-Footcandle Lines of Horizontal Illumination

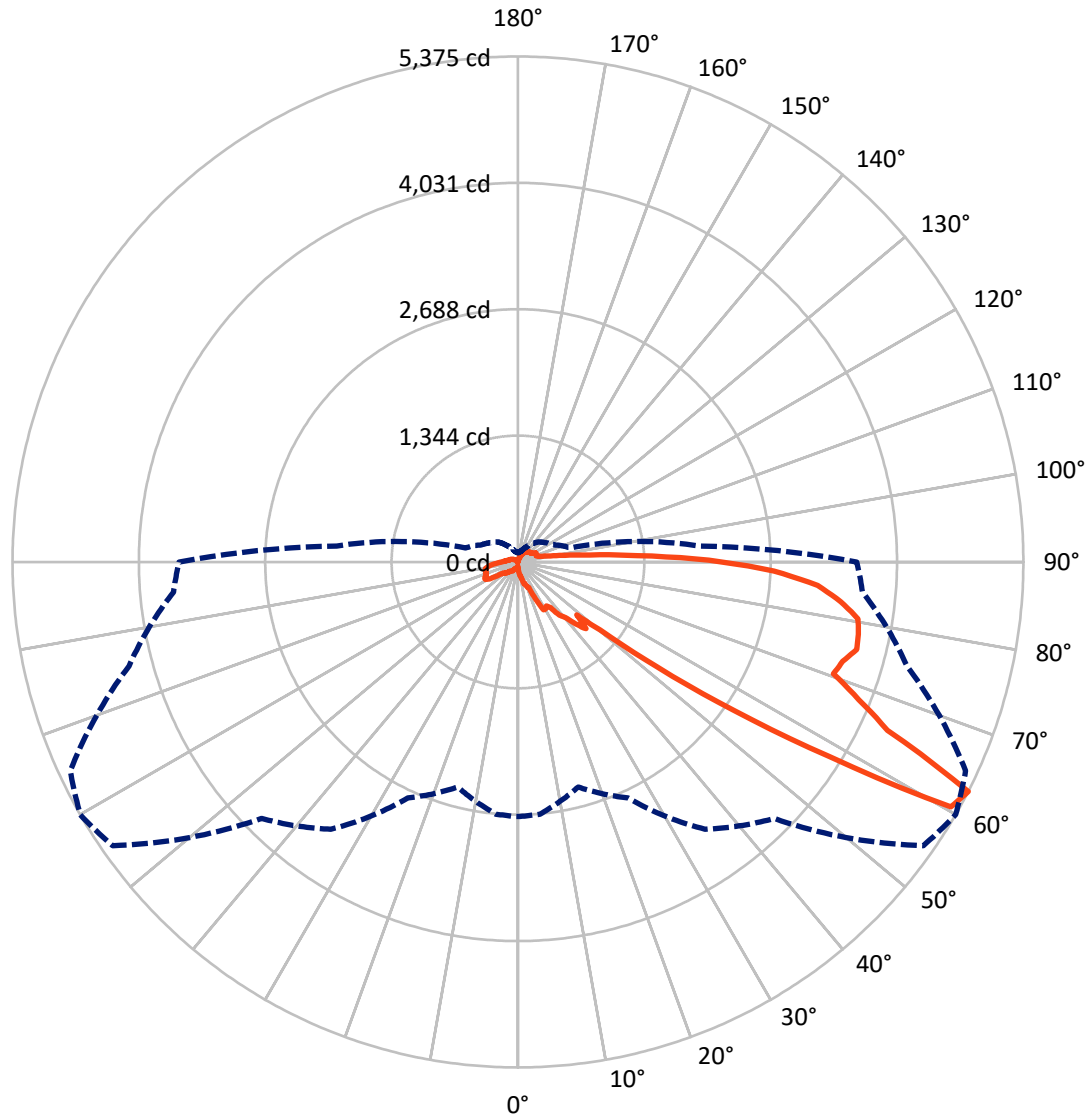
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P588604
CATALOG NUMBER: ARC-CA6-130-730-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: P588604

CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

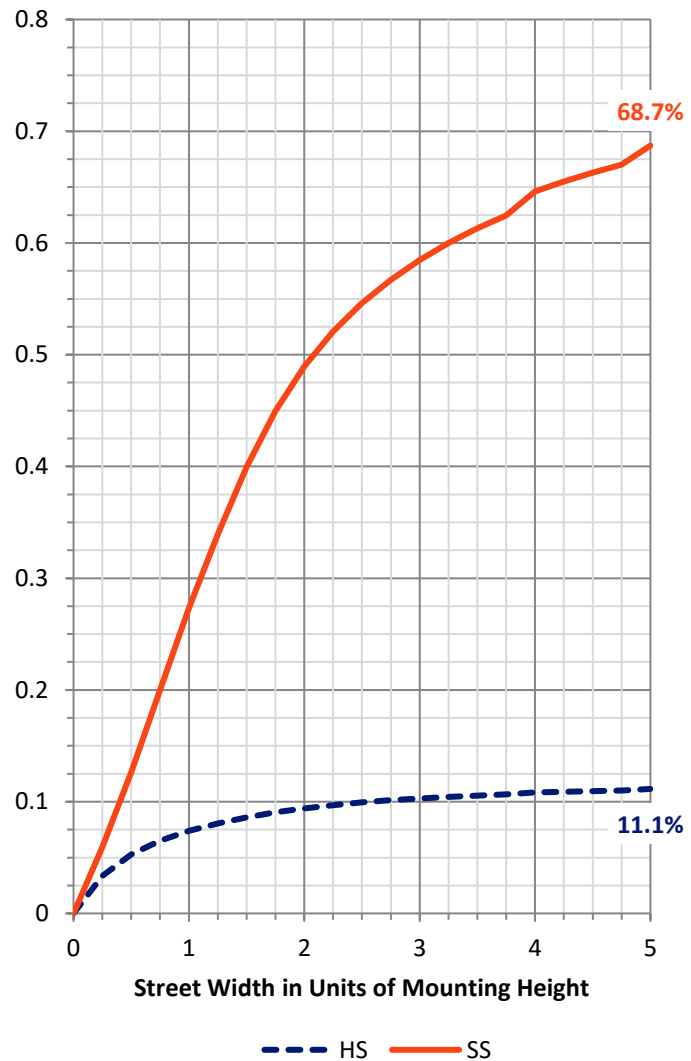
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.4	188.5	1133.9
	% Fixture	11.7	2.3	14.1
Street Side	Lumens	6155.9	769.2	6925.1
	% Fixture	76.4	9.5	85.9
Total	Lumens	7101.3	957.7	8059.0
	% Fixture	88.1	11.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	38.7	0.5
20°-30°	115.2	1.4
30°-40°	231.5	2.9
40°-50°	407.5	5.1
50°-60°	1125.1	14.0
60°-70°	1945.3	24.1
70°-80°	1805.7	22.4
80°-90°	1423.8	17.7
90°-100°	451.8	5.6
100°-110°	161.2	2.0
110°-120°	132.4	1.6
120°-130°	87.1	1.1
130°-140°	62.0	0.8
140°-150°	40.1	0.5
150°-160°	18.4	0.2
160°-170°	4.6	0.1
170°-180°	0.2	0.0
0°-90°	7101.3	88.1
0°-180°	8059.0	100.0



REPORT NUMBER: P588604

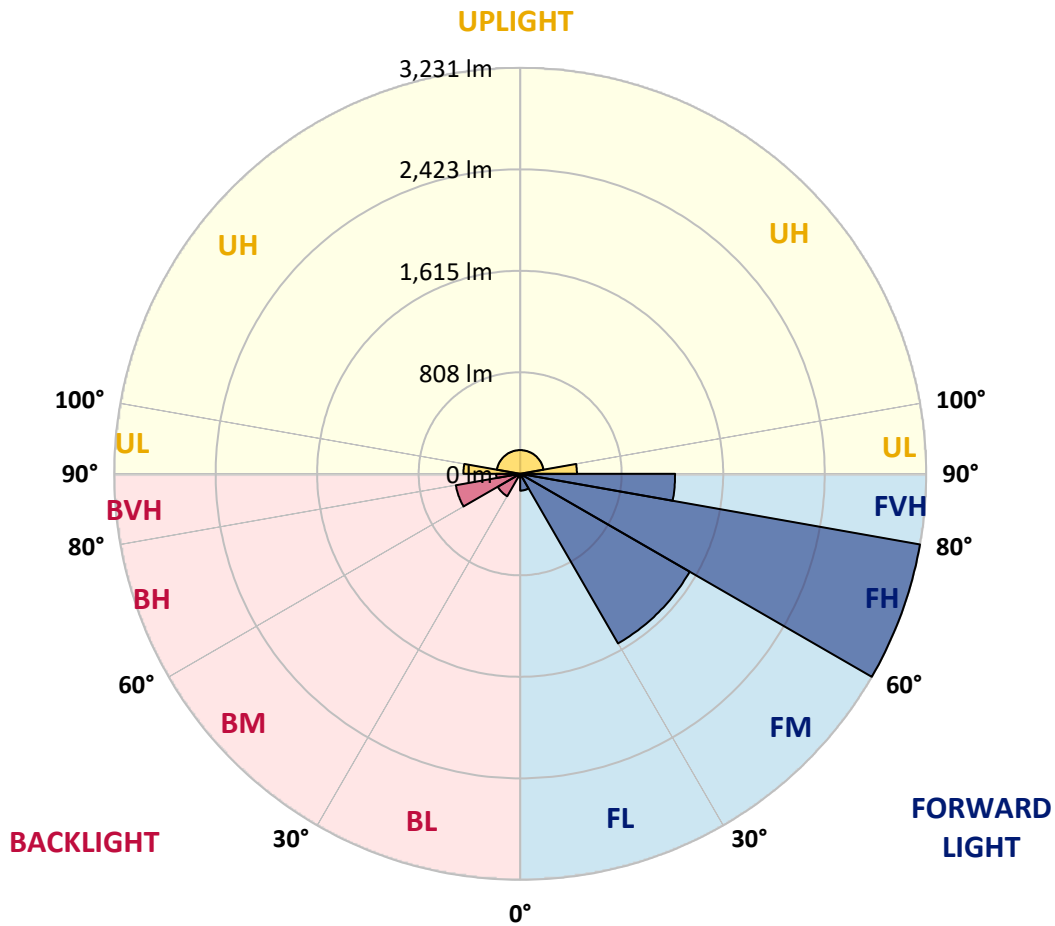
CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.8	1.7			
FM (30°-60°)	1558.3	19.3			
FH (60°-80°)	3230.9	40.1			G2/5000
FVH (80°-90°)	1232.9	15.3			G5
BL (0°-30°)	28.6	0.4	B0/110		
BM (30°-60°)	205.9	2.6	B0/220		
BH (60°-80°)	520.0	6.5	B2/1000		G2/1000
BVH (80°-90°)	190.9	2.4			G2/225
UL (90°-100°)	451.8	5.6		U3/500	
UH (100°-180°)	188.5	2.3		U3/500	

BUG Rating: B2-U4-G5

Type III Short





REPORT NUMBER: P588604
 CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	95.5	93.0	94.3	94.3	95.5	90.5	85.6	81.9	78.1	73.2	67.0
5°	136.4	133.9	130.2	129.0	126.5	121.5	114.1	111.6	104.2	94.3	81.9
7.5°	166.2	165.0	163.7	160.0	157.5	150.1	141.4	137.7	129.0	115.3	100.5
10°	188.5	188.5	189.8	183.6	172.4	166.2	158.8	156.3	150.1	131.5	112.9
12.5°	207.1	204.6	194.7	189.8	184.8	186.0	187.3	186.0	183.6	152.5	126.5
15°	224.5	222.0	214.6	208.4	204.6	217.0	244.3	241.8	240.6	192.2	147.6
17.5°	236.9	236.9	244.3	249.3	255.5	236.9	231.9	239.4	248.0	212.1	167.4
20°	272.9	267.9	261.7	256.7	287.7	274.1	279.1	287.7	293.9	236.9	183.6
22.5°	256.7	258.0	285.3	295.2	280.3	272.9	290.2	293.9	295.2	271.6	191.0
25°	351.0	334.9	324.9	355.9	353.5	408.0	424.2	435.3	435.3	368.4	266.7
27.5°	484.9	484.9	527.1	609.0	595.3	596.6	578.0	576.7	600.3	622.6	405.6
30°	525.9	539.5	657.3	698.3	742.9	687.1	626.3	579.2	589.1	709.4	472.5
32.5°	538.3	550.7	693.3	648.6	664.8	642.4	651.1	555.6	532.1	653.6	460.1
35°	470.1	487.4	604.0	546.9	515.9	582.9	663.5	595.3	584.2	537.0	416.7
37.5°	627.6	636.2	677.2	668.5	678.4	682.1	778.9	716.9	729.3	648.6	527.1
40°	720.6	710.7	870.6	909.1	894.2	880.6	871.9	776.4	791.3	751.6	713.1
42.5°	885.5	874.4	987.2	1010.8	1014.5	978.5	1019.5	899.2	862.0	780.1	888.0
45°	896.7	902.9	1009.6	948.8	1012.0	1077.8	1152.2	1013.3	946.3	808.6	1031.9
47.5°	793.8	821.0	1055.4	1002.1	940.1	881.8	910.3	839.6	785.1	640.0	992.2
50°	809.9	821.0	971.1	907.9	755.3	935.1	1185.7	1134.8	1075.3	793.8	956.2
52.5°	1146.0	1141.0	1206.8	1210.5	1248.9	1404.0	1898.8	1857.9	1867.8	1545.3	1423.8
55°	1571.4	1568.9	1735.1	2000.5	2220.0	2295.7	2941.8	2780.6	2707.4	2394.9	2514.0
57.5°	2031.5	2052.6	2125.8	2497.8	2873.6	2971.6	3983.7	3900.6	3739.3	3124.2	3441.7
60°	2516.4	2504.0	2396.1	2640.5	3242.0	3730.6	5248.7	5288.4	4967.2	3932.8	3756.7
62.5°	2707.4	2691.3	2476.8	2768.2	3469.0	3857.1	5261.1	5375.2	5252.4	4282.5	3677.3
65°	2675.2	2638.0	2352.7	2582.2	2928.2	3281.7	4696.8	4318.5	4519.4	4379.3	3476.4
67.5°	2548.7	2540.0	2274.6	2401.1	2626.8	2672.7	4290.0	3908.0	3979.9	4466.1	3535.9
70°	2389.9	2387.5	2186.5	2282.0	2603.3	2556.1	3971.2	3560.7	3518.6	3997.3	3550.8
72.5°	2394.9	2392.4	2170.4	2202.7	2547.5	2470.6	3937.8	3610.3	3533.4	3766.6	3379.7
75°	2435.8	2438.3	2202.7	2238.6	2625.6	2487.9	4017.1	3720.7	3642.6	3744.3	3243.2
77.5°	2396.1	2416.0	2184.1	2264.7	2675.2	2485.4	3979.9	3699.6	3589.3	3560.7	2982.8
80°	2263.4	2290.7	2082.4	2175.4	2630.5	2518.9	3948.9	3667.4	3527.2	3371.0	2795.5
82.5°	1985.6	2014.1	1854.2	1939.7	2447.0	2381.3	3731.9	3459.0	3333.8	3060.9	2551.2
85°	1706.6	1772.3	1694.2	1706.6	2160.5	2180.3	3439.2	3198.6	3111.8	2873.6	2468.1
87.5°	1408.9	1466.0	1392.8	1304.7	1618.5	1732.6	2843.9	2724.8	2701.2	2536.3	2141.9
90°	1043.0	1095.1	1051.7	936.4	1096.4	1168.3	2096.0	2030.3	2081.1	1892.6	1472.2
92.5°	756.5	765.2	714.4	618.9	730.5	765.2	1374.2	1273.7	1333.3	1159.6	863.2
95°	506.0	527.1	487.4	446.5	529.6	533.3	847.1	772.7	740.4	666.0	515.9
97.5°	370.8	372.1	357.2	320.0	372.1	377.0	563.1	507.3	478.7	447.7	357.2
100°	293.9	293.9	271.6	248.0	259.2	269.1	391.9	353.5	338.6	324.9	269.1
102.5°	256.7	255.5	236.9	213.3	212.1	217.0	296.4	270.4	259.2	250.5	212.1
105°	243.1	241.8	223.2	198.4	192.2	188.5	246.8	229.4	222.0	214.6	191.0
107.5°	240.6	238.1	219.5	197.2	187.3	177.4	222.0	207.1	208.4	200.9	183.6
110°	243.1	243.1	227.0	213.3	197.2	183.6	223.2	207.1	212.1	209.6	191.0



REPORT NUMBER: P588604

CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	236.9	243.1	236.9	228.2	210.8	199.7	233.2	214.6	220.8	220.8	197.2
115°	223.2	229.4	229.4	220.8	204.6	200.9	230.7	214.6	217.0	213.3	183.6
117.5°	204.6	208.4	205.9	196.0	182.3	179.8	214.6	207.1	207.1	196.0	171.2
120°	191.0	183.6	173.6	166.2	158.8	165.0	193.5	186.0	179.8	174.9	156.3
122.5°	171.2	162.5	151.3	147.6	142.6	151.3	176.1	169.9	163.7	161.2	147.6
125°	141.4	141.4	136.4	133.9	132.7	145.1	173.6	167.4	158.8	153.8	137.7
127.5°	136.4	136.4	132.7	130.2	131.5	146.3	169.9	163.7	153.8	147.6	132.7
130°	137.7	135.2	130.2	126.5	127.7	145.1	168.7	161.2	151.3	146.3	132.7
132.5°	130.2	127.7	124.0	121.5	120.3	137.7	160.0	156.3	148.8	137.7	122.8
135°	126.5	124.0	121.5	120.3	120.3	133.9	152.5	148.8	141.4	129.0	112.9
137.5°	125.3	122.8	117.8	116.6	115.3	127.7	142.6	140.1	132.7	121.5	107.9
140°	119.1	115.3	111.6	110.4	110.4	120.3	135.2	132.7	125.3	116.6	104.2
142.5°	110.4	107.9	104.2	104.2	105.4	115.3	131.5	130.2	121.5	111.6	100.5
145°	105.4	102.9	100.5	101.7	102.9	111.6	124.0	122.8	116.6	107.9	96.7
147.5°	96.7	95.5	93.0	91.8	94.3	101.7	115.3	115.3	111.6	100.5	89.3
150°	84.3	83.1	80.6	79.4	81.9	89.3	100.5	100.5	96.7	85.6	75.7
152.5°	70.7	69.5	69.5	70.7	73.2	76.9	86.8	88.1	84.3	73.2	64.5
155°	62.0	60.8	60.8	62.0	65.7	69.5	75.7	75.7	71.9	64.5	55.8
157.5°	53.3	52.1	52.1	53.3	57.1	59.5	65.7	64.5	62.0	55.8	48.4
160°	40.9	39.7	39.7	40.9	44.6	47.1	52.1	52.1	50.8	47.1	40.9
162.5°	31.0	29.8	29.8	31.0	33.5	34.7	38.4	39.7	39.7	37.2	32.2
165°	23.6	22.3	22.3	22.3	24.8	26.0	27.3	27.3	27.3	26.0	22.3
167.5°	14.9	13.6	13.6	14.9	16.1	16.1	17.4	17.4	16.1	16.1	13.6
170°	7.4	6.2	6.2	7.4	7.4	7.4	6.2	5.0	5.0	5.0	5.0
172.5°	2.5	1.2	3.7	3.7	2.5	0.0	0.0	1.2	1.2	1.2	0.0
175°	2.5	1.2	3.7	3.7	2.5	0.0	0.0	1.2	0.0	1.2	0.0
177.5°	1.2	1.2	3.7	3.7	2.5	0.0	0.0	0.0	0.0	1.2	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P588604
 CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	64.5	63.3	58.3	50.8	43.4	36.0	34.7	36.0	37.2	38.4	39.7
5°	76.9	71.9	62.0	50.8	40.9	31.0	26.0	23.6	22.3	23.6	24.8
7.5°	93.0	86.8	74.4	60.8	48.4	38.4	32.2	26.0	22.3	22.3	23.6
10°	104.2	96.7	81.9	67.0	54.6	43.4	36.0	29.8	26.0	23.6	23.6
12.5°	116.6	106.7	86.8	70.7	57.1	47.1	39.7	33.5	29.8	27.3	27.3
15°	130.2	119.1	95.5	74.4	60.8	49.6	43.4	37.2	32.2	29.8	29.8
17.5°	152.5	133.9	100.5	78.1	63.3	52.1	44.6	38.4	33.5	31.0	31.0
20°	162.5	141.4	101.7	81.9	67.0	54.6	45.9	38.4	34.7	32.2	32.2
22.5°	162.5	140.1	104.2	84.3	70.7	57.1	47.1	39.7	34.7	32.2	32.2
25°	204.6	153.8	106.7	90.5	74.4	59.5	49.6	40.9	36.0	33.5	33.5
27.5°	286.5	200.9	122.8	96.7	79.4	63.3	52.1	43.4	37.2	34.7	34.7
30°	315.0	224.5	140.1	112.9	86.8	67.0	54.6	45.9	39.7	36.0	36.0
32.5°	321.2	220.8	150.1	124.0	99.2	73.2	57.1	48.4	40.9	37.2	37.2
35°	290.2	204.6	150.1	129.0	106.7	81.9	63.3	50.8	42.2	38.4	37.2
37.5°	338.6	220.8	153.8	130.2	110.4	88.1	70.7	54.6	44.6	39.7	39.7
40°	437.8	261.7	172.4	137.7	111.6	91.8	78.1	60.8	48.4	42.2	42.2
42.5°	512.2	295.2	192.2	156.3	121.5	96.7	80.6	65.7	53.3	45.9	44.6
45°	575.5	327.4	209.6	173.6	138.9	107.9	85.6	70.7	58.3	50.8	49.6
47.5°	586.6	343.5	223.2	191.0	152.5	119.1	93.0	75.7	64.5	55.8	54.6
50°	566.8	344.8	228.2	202.2	167.4	131.5	101.7	81.9	69.5	60.8	60.8
52.5°	809.9	430.4	250.5	208.4	172.4	141.4	112.9	89.3	74.4	67.0	67.0
55°	1461.0	695.8	323.7	246.8	184.8	148.8	122.8	100.5	81.9	73.2	73.2
57.5°	2361.4	1086.5	427.9	329.9	238.1	172.4	133.9	111.6	91.8	79.4	79.4
60°	3129.1	1532.9	520.9	401.8	312.5	236.9	162.5	126.5	102.9	88.1	86.8
62.5°	3602.9	1934.8	575.5	429.1	357.2	300.1	218.3	158.8	116.6	100.5	98.0
65°	3497.5	2135.7	599.0	426.6	354.7	320.0	260.5	197.2	140.1	115.3	111.6
67.5°	3212.2	2136.9	595.3	408.0	336.1	303.9	259.2	213.3	162.5	130.2	125.3
70°	3069.6	2099.7	576.7	394.4	321.2	284.0	240.6	196.0	160.0	138.9	136.4
72.5°	3001.4	2074.9	565.5	391.9	318.7	276.6	228.2	174.9	143.9	132.7	135.2
75°	3017.5	2089.8	570.5	395.6	323.7	280.3	223.2	162.5	126.5	114.1	116.6
77.5°	2981.5	2060.0	578.0	394.4	321.2	274.1	208.4	148.8	115.3	102.9	101.7
80°	3011.3	1995.5	560.6	382.0	302.6	249.3	184.8	132.7	105.4	96.7	95.5
82.5°	2783.1	1737.6	498.6	348.5	274.1	214.6	155.0	116.6	99.2	89.3	89.3
85°	2551.2	1408.9	427.9	306.3	225.7	168.7	124.0	101.7	86.8	79.4	79.4
87.5°	1936.0	1009.6	331.1	251.8	188.5	145.1	112.9	98.0	85.6	80.6	79.4
90°	1196.8	622.6	246.8	200.9	160.0	129.0	106.7	94.3	84.3	80.6	80.6
92.5°	669.7	398.1	191.0	165.0	137.7	115.3	98.0	85.6	76.9	73.2	73.2
95°	453.9	297.7	163.7	147.6	122.8	101.7	85.6	74.4	67.0	62.0	62.0
97.5°	328.7	234.4	145.1	132.7	110.4	89.3	75.7	64.5	58.3	55.8	55.8
100°	251.8	189.8	131.5	119.1	98.0	78.1	65.7	55.8	49.6	47.1	47.1
102.5°	202.2	160.0	119.1	107.9	86.8	69.5	55.8	45.9	40.9	39.7	38.4
105°	182.3	148.8	111.6	100.5	79.4	63.3	49.6	40.9	36.0	33.5	33.5
107.5°	177.4	148.8	110.4	98.0	75.7	59.5	44.6	37.2	32.2	29.8	29.8
110°	188.5	157.5	111.6	95.5	70.7	54.6	40.9	33.5	28.5	27.3	27.3



REPORT NUMBER: P588604

CATALOG NUMBER: ARC-CA6-130-730-U-33-X-5-X-GHSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	194.7	158.8	106.7	89.3	65.7	49.6	38.4	31.0	27.3	24.8	24.8
115°	178.6	142.6	98.0	79.4	58.3	44.6	36.0	29.8	24.8	22.3	22.3
117.5°	172.4	133.9	95.5	69.5	53.3	40.9	33.5	27.3	23.6	21.1	21.1
120°	172.4	130.2	84.3	60.8	48.4	37.2	31.0	24.8	21.1	19.8	19.8
122.5°	166.2	120.3	74.4	53.3	42.2	32.2	27.3	22.3	19.8	17.4	17.4
125°	151.3	111.6	60.8	48.4	38.4	29.8	24.8	21.1	17.4	16.1	16.1
127.5°	142.6	110.4	57.1	44.6	34.7	27.3	22.3	18.6	14.9	13.6	13.6
130°	141.4	110.4	53.3	39.7	31.0	23.6	19.8	16.1	13.6	12.4	12.4
132.5°	126.5	100.5	50.8	37.2	28.5	22.3	18.6	14.9	12.4	11.2	11.2
135°	114.1	93.0	49.6	34.7	26.0	19.8	16.1	13.6	9.9	9.9	9.9
137.5°	105.4	85.6	49.6	32.2	23.6	17.4	14.9	12.4	8.7	8.7	8.7
140°	99.2	79.4	48.4	31.0	21.1	16.1	13.6	9.9	7.4	7.4	7.4
142.5°	93.0	74.4	44.6	29.8	19.8	13.6	12.4	9.9	7.4	6.2	6.2
145°	85.6	68.2	39.7	27.3	18.6	12.4	11.2	8.7	6.2	5.0	5.0
147.5°	78.1	60.8	34.7	23.6	17.4	11.2	9.9	7.4	5.0	5.0	5.0
150°	67.0	52.1	31.0	21.1	14.9	9.9	8.7	6.2	5.0	3.7	3.7
152.5°	54.6	44.6	27.3	18.6	13.6	8.7	7.4	5.0	3.7	2.5	2.5
155°	48.4	39.7	24.8	16.1	11.2	7.4	6.2	3.7	3.7	2.5	2.5
157.5°	42.2	34.7	22.3	13.6	8.7	5.0	5.0	3.7	2.5	2.5	1.2
160°	34.7	29.8	18.6	11.2	7.4	3.7	3.7	2.5	2.5	1.2	1.2
162.5°	27.3	22.3	13.6	8.7	5.0	2.5	2.5	2.5	2.5	1.2	0.0
165°	18.6	16.1	9.9	6.2	3.7	1.2	1.2	2.5	1.2	1.2	0.0
167.5°	12.4	9.9	6.2	3.7	2.5	0.0	1.2	1.2	1.2	1.2	0.0
170°	5.0	5.0	3.7	2.5	0.0	0.0	0.0	1.2	1.2	1.2	0.0
172.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0
175°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	0.0
177.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)