

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: P588432

Luminaire Tested: **ARC-CA6-130-740-U-33-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588432  
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-CA6-130-740-U-33-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

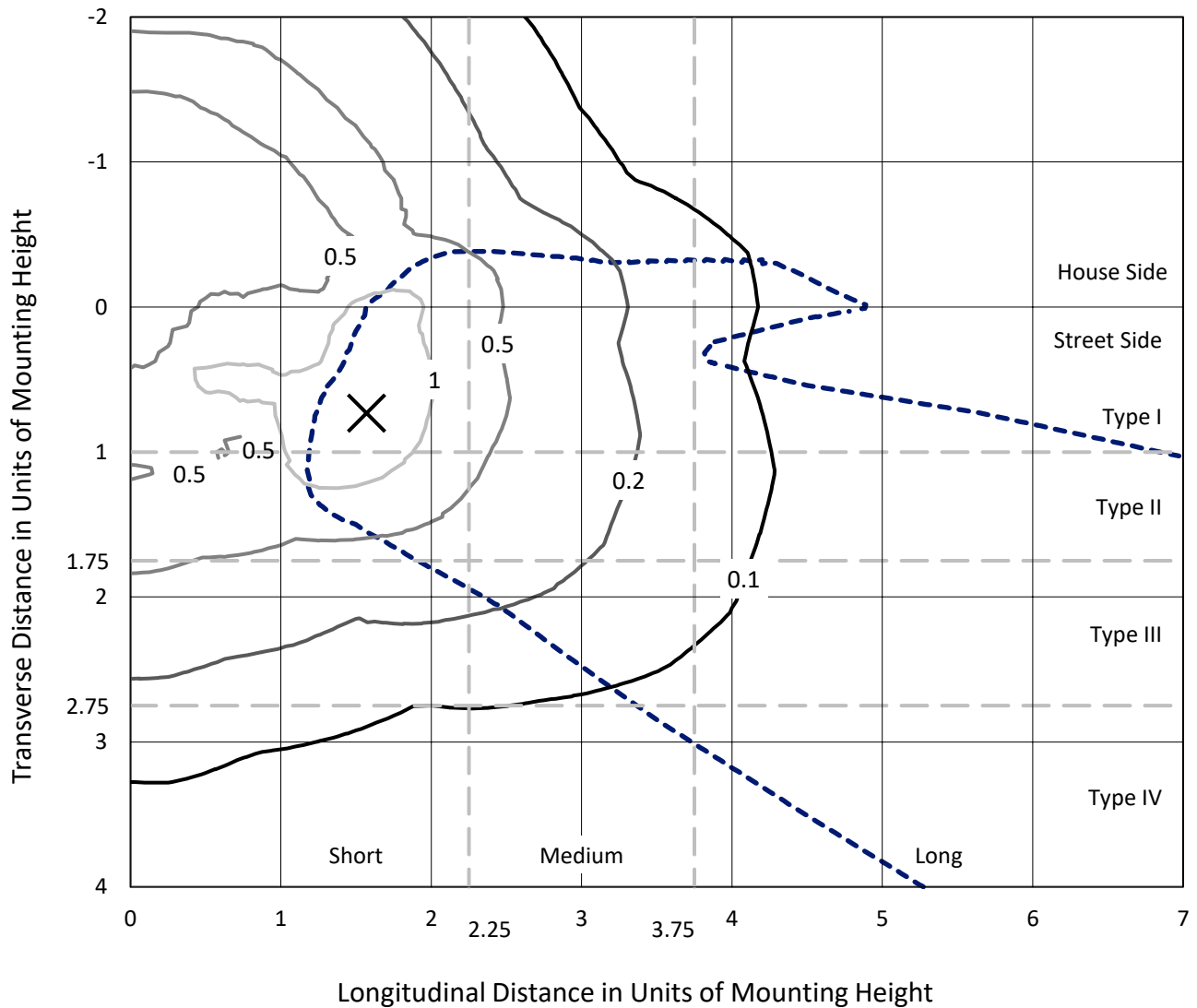
Lumens per Lamp: N/A  
Luminaire Lumens: 16877 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G5  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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



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### Iso-Footcandle Lines of Horizontal Illumination

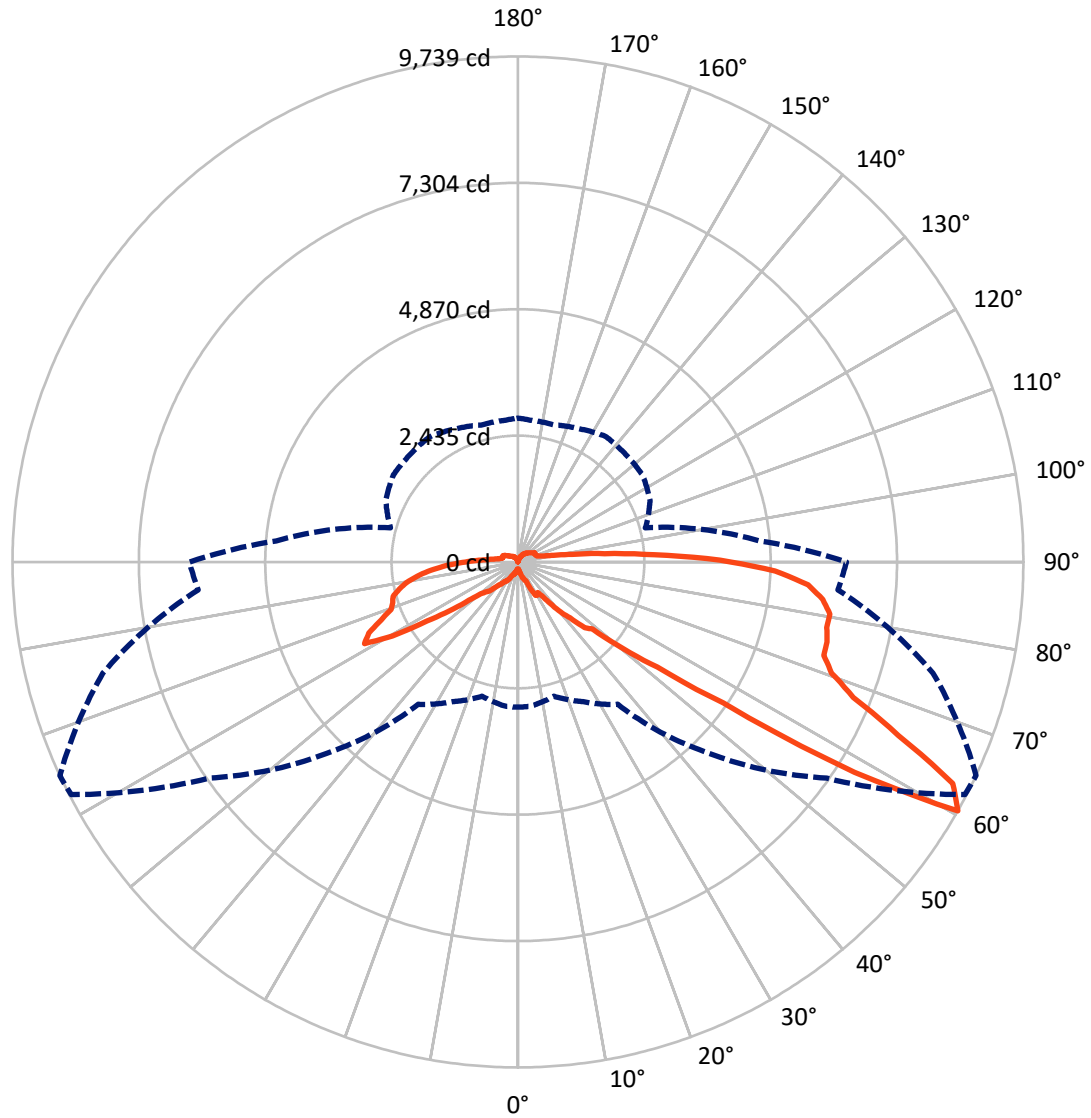
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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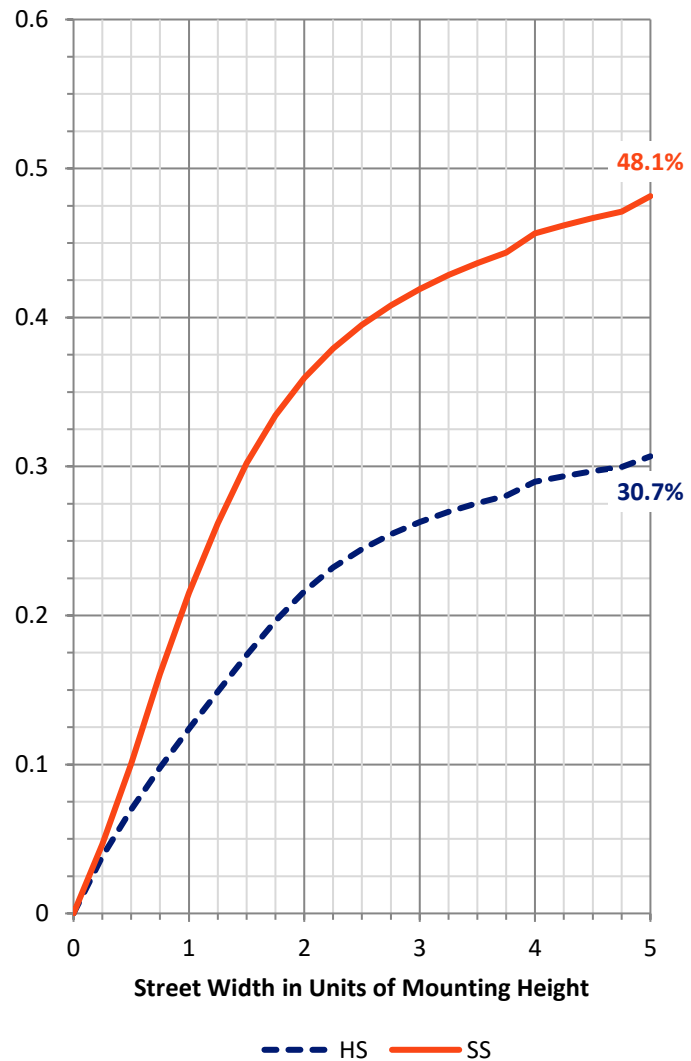
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5628.1	901.3	6529.4
	% Fixture	33.3	5.3	38.7
<b>Street Side</b>	Lumens	9004.2	1343.4	10347.6
	% Fixture	53.4	8.0	61.3
<b>Total</b>	Lumens	14632.3	2244.7	16877.0
	% Fixture	86.7	13.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	72.1	0.4
20°-30°	206.1	1.2
30°-40°	443.9	2.6
40°-50°	840.0	5.0
50°-60°	2346.5	13.9
60°-70°	4183.3	24.8
70°-80°	3662.5	21.7
80°-90°	2861.7	17.0
90°-100°	1081.9	6.4
100°-110°	372.1	2.2
110°-120°	304.3	1.8
120°-130°	204.4	1.2
130°-140°	140.3	0.8
140°-150°	88.2	0.5
150°-160°	40.9	0.2
160°-170°	11.6	0.1
170°-180°	1.0	0.0
0°-90°	14632.3	86.7
0°-180°	16877.0	100.0



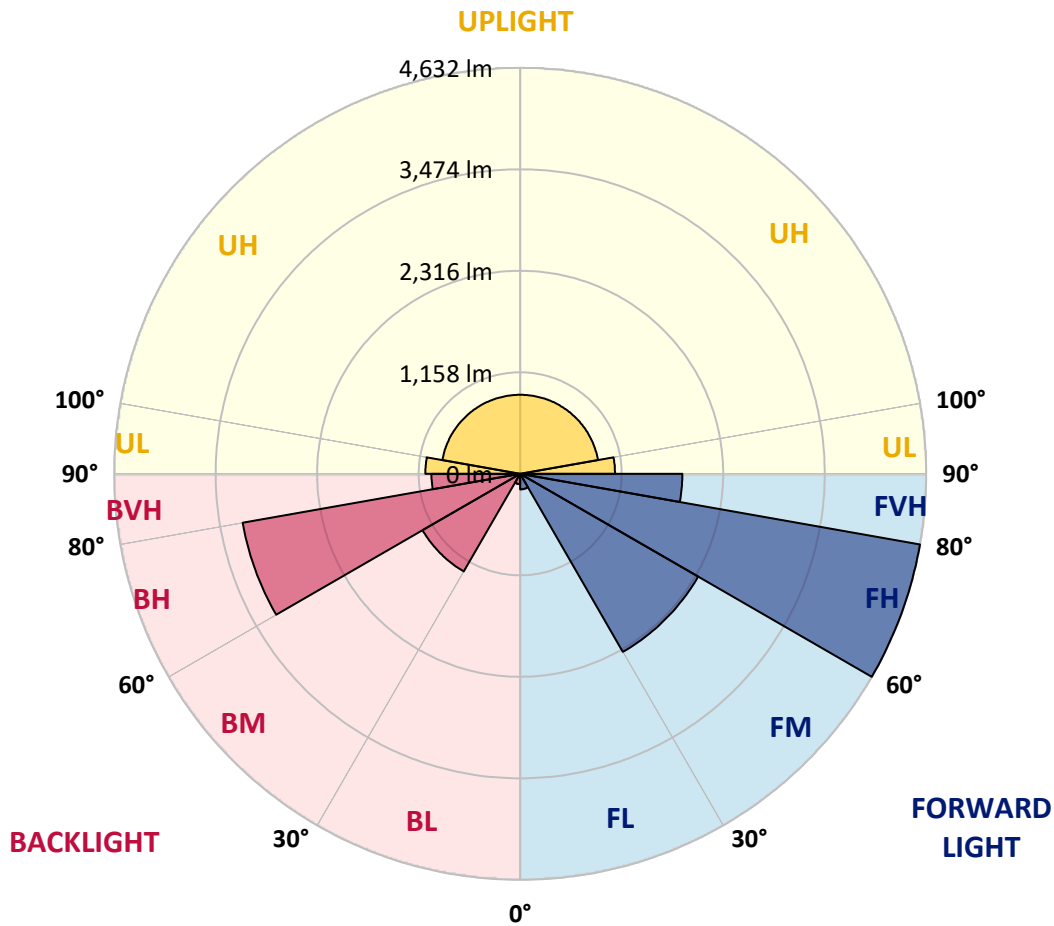
REPORT NUMBER: P588432  
 CATALOG NUMBER: ARC-CA6-130-740-U-33-X-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.8	1.1			
FM (30°-60°)	2344.9	13.9			
FH (60°-80°)	4631.8	27.4			G2/5000
FVH (80°-90°)	1849.7	11.0			G5
BL (0°-30°)	116.6	0.7	B1/500		
BM (30°-60°)	1285.5	7.6	B2/2500		
BH (60°-80°)	3214.1	19.0	B4/5000		G4/5000
BVH (80°-90°)	1012.0	6.0			G5
UL (90°-100°)	1081.9	6.4		U5	
UH (100°-180°)	901.3	5.3		U4/1000	

**BUG Rating: B4-U5-G5**

Type III Short





REPORT NUMBER: P588432  
 CATALOG NUMBER: ARC-CA6-130-740-U-33-X-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	148.8	144.4	140.0	140.0	137.8	135.7	135.7	131.3	133.5	131.3	131.3
5°	175.0	172.9	168.5	170.7	166.3	164.1	164.1	161.9	159.7	157.5	151.0
7.5°	203.5	203.5	205.7	207.9	201.3	194.7	192.6	188.2	188.2	186.0	181.6
10°	234.1	231.9	223.2	223.2	218.8	214.4	216.6	214.4	214.4	214.4	205.7
12.5°	242.9	240.7	234.1	234.1	234.1	231.9	240.7	238.5	240.7	238.5	225.4
15°	273.5	271.3	269.1	271.3	280.1	297.6	319.5	310.7	312.9	308.5	260.4
17.5°	286.6	293.2	297.6	299.8	308.5	308.5	312.9	310.7	319.5	326.0	297.6
20°	332.6	328.2	332.6	347.9	369.8	372.0	365.4	365.4	369.8	372.0	317.3
22.5°	352.3	350.1	367.6	354.5	354.5	365.4	404.8	391.7	391.7	387.3	341.3
25°	457.3	466.1	483.6	505.4	558.0	573.3	617.0	568.9	575.5	507.6	433.2
27.5°	549.2	555.8	658.6	750.5	792.1	770.2	807.4	717.7	726.4	735.2	632.4
30°	577.7	590.8	739.6	807.4	862.1	818.3	866.5	748.3	741.8	792.1	750.5
32.5°	555.8	568.9	726.4	754.9	811.8	973.7	912.4	722.1	702.4	726.4	776.8
35°	610.5	619.2	713.3	645.5	698.0	1361.0	1194.7	842.4	803.0	669.6	743.9
37.5°	733.0	733.0	844.6	892.7	932.1	1606.0	1568.9	1048.1	1017.5	783.3	859.9
40°	888.4	884.0	1021.8	1054.7	1072.2	1455.1	1897.1	1336.9	1269.1	921.2	1120.3
42.5°	982.4	973.7	1085.3	1120.3	1120.3	1231.9	2146.5	1627.9	1470.4	1074.3	1369.7
45°	1019.6	1028.4	1172.8	1129.0	1161.9	1264.7	2413.4	2030.5	1809.5	1260.3	1588.5
47.5°	923.4	936.5	1144.4	1148.7	982.4	1010.9	2164.0	2109.3	1927.7	1350.0	1658.6
50°	1133.4	1142.2	1216.6	1166.2	1085.3	1280.0	2577.6	2711.0	2632.3	1671.7	1750.5
52.5°	1555.7	1595.1	1665.1	1708.9	1684.8	2150.9	3457.2	3433.1	3367.5	2509.7	2389.4
55°	2015.2	2048.0	2146.5	2411.3	2612.6	3220.8	4299.6	4802.8	4798.5	4076.4	3724.1
57.5°	2433.1	2435.3	2448.5	2774.5	3085.2	4205.5	5632.1	7481.0	7647.3	6511.7	5332.3
60°	2796.4	2789.8	2678.2	2969.2	3347.8	5214.2	7260.0	9706.3	9739.1	8279.7	6185.7
62.5°	2894.8	2875.1	2713.2	2984.5	3308.4	5233.9	7675.8	9441.6	9404.4	8404.4	6297.3
65°	2809.5	2789.8	2584.1	2827.0	2980.2	4756.9	7089.4	8120.0	8058.7	7678.0	5995.3
67.5°	2682.6	2695.7	2492.2	2678.2	2783.2	4461.5	6472.3	6986.5	6969.0	7155.0	5743.7
70°	2498.8	2509.7	2323.7	2553.5	2706.7	4273.3	5881.6	6439.5	6408.9	6682.4	5373.9
72.5°	2505.3	2538.2	2317.2	2490.0	2649.8	4015.1	5614.6	6251.3	6161.6	6203.2	4929.7
75°	2522.9	2566.6	2332.5	2487.8	2636.6	3921.0	5584.0	6266.7	6152.9	6030.3	4761.3
77.5°	2529.4	2592.9	2341.2	2511.9	2641.0	3791.9	5514.0	6190.1	6082.9	5864.0	4562.1
80°	2476.9	2544.7	2304.0	2514.1	2612.6	3535.9	5336.7	6176.9	6096.0	5842.2	4481.2
82.5°	2371.9	2439.7	2231.8	2404.7	2557.9	3275.6	5087.3	5920.9	5916.6	5632.1	4310.5
85°	2142.1	2216.5	2059.0	2218.7	2406.9	2929.8	4584.0	5485.5	5605.9	5376.1	4080.8
87.5°	1921.1	1995.5	1912.4	2002.1	2192.5	2546.9	3938.5	4735.0	4960.4	4770.0	3505.3
90°	1669.5	1746.1	1678.3	1643.2	1796.4	2032.7	3148.6	3682.5	3894.8	3778.8	2579.7
92.5°	1336.9	1402.6	1339.1	1258.1	1350.0	1492.3	2339.1	2577.6	2627.9	2516.3	1691.4
95°	1010.9	1059.0	1002.1	921.2	932.1	1021.8	1612.6	1689.2	1676.1	1542.6	1074.3
97.5°	702.4	730.8	693.6	636.7	656.4	713.3	1067.8	1059.0	1059.0	943.1	702.4
100°	487.9	498.9	481.4	455.1	470.4	507.6	717.7	715.5	693.6	636.7	512.0
102.5°	387.3	389.5	372.0	354.5	345.7	380.7	518.6	516.4	520.8	494.5	400.4
105°	341.3	339.2	323.8	308.5	291.0	326.0	411.4	428.9	426.7	404.8	343.5
107.5°	312.9	310.7	295.4	282.3	266.9	297.6	356.7	380.7	378.5	376.3	323.8
110°	291.0	288.8	275.7	262.6	249.4	284.5	334.8	372.0	372.0	372.0	328.2



REPORT NUMBER: P588432

CATALOG NUMBER: ARC-CA6-130-740-U-33-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	275.7	275.7	264.8	253.8	242.9	282.3	321.6	365.4	365.4	376.3	343.5
115°	266.9	264.8	256.0	249.4	240.7	284.5	317.3	361.0	363.2	378.5	341.3
117.5°	260.4	258.2	251.6	242.9	238.5	280.1	319.5	369.8	367.6	391.7	334.8
120°	249.4	245.1	236.3	227.6	223.2	258.2	310.7	358.8	354.5	365.4	308.5
122.5°	240.7	227.6	212.2	205.7	205.7	234.1	291.0	323.8	319.5	310.7	277.9
125°	221.0	207.9	194.7	192.6	194.7	218.8	277.9	297.6	299.8	293.2	262.6
127.5°	199.1	190.4	183.8	183.8	188.2	214.4	273.5	286.6	286.6	273.5	249.4
130°	188.2	186.0	181.6	181.6	190.4	216.6	266.9	271.3	271.3	253.8	242.9
132.5°	183.8	179.4	175.0	175.0	183.8	210.1	249.4	258.2	256.0	238.5	229.7
135°	175.0	172.9	168.5	168.5	179.4	205.7	234.1	242.9	240.7	218.8	212.2
137.5°	170.7	166.3	166.3	166.3	177.2	203.5	221.0	227.6	225.4	203.5	196.9
140°	164.1	161.9	157.5	157.5	172.9	196.9	207.9	210.1	207.9	190.4	183.8
142.5°	153.2	151.0	148.8	153.2	168.5	186.0	194.7	194.7	192.6	181.6	172.9
145°	146.6	144.4	142.2	153.2	166.3	175.0	183.8	177.2	177.2	170.7	161.9
147.5°	140.0	137.8	137.8	146.6	157.5	157.5	164.1	161.9	164.1	161.9	153.2
150°	126.9	124.7	124.7	131.3	133.5	133.5	140.0	140.0	140.0	140.0	133.5
152.5°	111.6	109.4	111.6	113.8	113.8	113.8	118.2	120.3	120.3	118.2	116.0
155°	96.3	96.3	96.3	98.5	98.5	96.3	102.8	102.8	102.8	102.8	100.7
157.5°	85.3	85.3	85.3	85.3	85.3	83.1	87.5	87.5	89.7	87.5	87.5
160°	74.4	72.2	72.2	72.2	72.2	70.0	72.2	72.2	72.2	74.4	74.4
162.5°	59.1	56.9	56.9	56.9	56.9	52.5	56.9	54.7	56.9	56.9	59.1
165°	48.1	45.9	45.9	45.9	43.8	41.6	43.8	41.6	41.6	41.6	43.8
167.5°	37.2	37.2	35.0	37.2	35.0	30.6	30.6	28.4	28.4	28.4	28.4
170°	28.4	26.3	24.1	26.3	24.1	19.7	19.7	17.5	17.5	15.3	15.3
172.5°	19.7	17.5	15.3	17.5	15.3	10.9	10.9	6.6	6.6	6.6	6.6
175°	17.5	15.3	13.1	15.3	13.1	8.8	6.6	4.4	4.4	4.4	4.4
177.5°	17.5	15.3	13.1	15.3	13.1	8.8	6.6	4.4	4.4	4.4	4.4
180°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8





REPORT NUMBER: P588432  
 CATALOG NUMBER: ARC-CA6-130-740-U-33-X-5-X

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	131.3	129.1	126.9	131.3	129.1	131.3	133.5	135.7	135.7	133.5	133.5
5°	151.0	148.8	144.4	142.2	137.8	137.8	137.8	142.2	142.2	140.0	142.2
7.5°	179.4	175.0	168.5	164.1	157.5	157.5	155.4	159.7	161.9	157.5	159.7
10°	201.3	199.1	190.4	183.8	177.2	175.0	175.0	177.2	177.2	175.0	175.0
12.5°	221.0	216.6	207.9	201.3	192.6	190.4	190.4	192.6	192.6	190.4	190.4
15°	249.4	236.3	227.6	221.0	212.2	210.1	207.9	210.1	212.2	207.9	207.9
17.5°	288.8	273.5	253.8	236.3	227.6	231.9	234.1	236.3	234.1	227.6	227.6
20°	310.7	302.0	275.7	262.6	251.6	251.6	251.6	251.6	251.6	249.4	251.6
22.5°	326.0	312.9	280.1	271.3	264.8	269.1	273.5	275.7	275.7	273.5	273.5
25°	396.0	347.9	315.1	308.5	299.8	302.0	297.6	297.6	299.8	297.6	302.0
27.5°	544.8	466.1	391.7	365.4	358.8	358.8	363.2	363.2	363.2	363.2	361.0
30°	654.2	562.3	439.8	404.8	400.4	420.1	431.1	439.8	435.4	428.9	428.9
32.5°	671.7	571.1	448.6	435.4	446.4	461.7	472.6	479.2	485.8	483.6	481.4
35°	634.5	527.3	442.0	459.5	468.2	477.0	479.2	474.8	494.5	503.3	505.4
37.5°	708.9	590.8	514.2	527.3	516.4	507.6	512.0	514.2	540.5	553.6	566.7
40°	905.9	713.3	584.2	577.7	571.1	590.8	617.0	630.2	628.0	619.2	621.4
42.5°	1096.2	833.7	658.6	656.4	654.2	689.2	730.8	728.6	708.9	693.6	693.6
45°	1291.0	949.6	776.8	779.0	774.6	787.7	798.6	789.9	792.1	796.5	800.8
47.5°	1411.3	1054.7	851.2	844.6	816.2	842.4	873.0	853.4	846.8	835.8	840.2
50°	1439.8	1080.9	894.9	943.1	916.8	897.1	864.3	851.2	875.2	892.7	905.9
52.5°	1870.8	1334.7	1118.1	1194.7	1159.7	1089.7	1083.1	1061.2	1087.5	1089.7	1105.0
55°	3135.5	2139.9	1540.4	1614.8	1617.0	1592.9	1702.3	1641.1	1586.4	1562.3	1553.5
57.5°	4942.9	3308.4	1993.3	2087.4	2177.1	2262.5	2411.3	2286.5	2129.0	2109.3	2131.2
60°	6330.1	4671.5	2542.5	2807.3	2927.6	2932.0	2951.7	2829.2	2732.9	2741.7	2772.3
62.5°	6627.7	5809.3	3238.4	3347.8	3358.7	3277.7	3312.7	3391.5	3255.9	3148.6	3177.1
65°	6428.6	6260.1	3465.9	3181.5	3164.0	3177.1	3415.6	3634.4	3360.9	3089.6	3089.6
67.5°	6043.5	5916.6	3234.0	2862.0	2910.1	3058.9	3360.9	3470.3	3179.3	2890.5	2890.5
70°	5632.1	5378.3	2973.6	2608.2	2726.3	2899.2	3096.1	3104.9	2934.2	2728.5	2715.4
72.5°	5187.9	4958.2	2862.0	2533.8	2588.5	2619.1	2726.3	2794.2	2774.5	2641.0	2638.8
75°	5056.6	4870.7	2859.8	2498.8	2466.0	2455.0	2529.4	2676.0	2743.8	2665.1	2669.5
77.5°	4857.5	4745.9	2726.3	2352.2	2317.2	2317.2	2356.6	2474.7	2577.6	2544.7	2555.7
80°	4719.7	4551.2	2522.9	2192.5	2144.3	2150.9	2155.3	2236.2	2332.5	2336.9	2336.9
82.5°	4454.9	4137.7	2214.3	1954.0	1921.1	1929.9	1914.6	1960.5	1986.8	2019.6	2013.0
85°	4019.5	3570.9	1870.8	1693.6	1641.1	1623.6	1610.4	1612.6	1627.9	1621.4	1595.1
87.5°	3367.5	2831.4	1492.3	1389.4	1328.2	1284.4	1266.9	1245.0	1242.8	1218.8	1227.5
90°	2485.7	1943.0	1107.2	1070.0	1026.2	980.3	956.2	934.3	916.8	892.7	884.0
92.5°	1621.4	1251.6	809.6	789.9	761.5	735.2	724.3	713.3	708.9	689.2	695.8
95°	1013.1	846.8	608.3	586.4	571.1	564.5	566.7	568.9	564.5	542.6	549.2
97.5°	676.1	612.7	474.8	459.5	444.2	442.0	444.2	448.6	450.7	435.4	439.8
100°	498.9	470.4	389.5	378.5	365.4	361.0	363.2	367.6	369.8	356.7	358.8
102.5°	396.0	382.9	337.0	332.6	317.3	312.9	317.3	319.5	321.6	312.9	312.9
105°	347.9	347.9	310.7	308.5	297.6	293.2	295.4	297.6	299.8	291.0	291.0
107.5°	334.8	337.0	299.8	302.0	295.4	293.2	297.6	302.0	299.8	293.2	291.0
110°	345.7	350.1	299.8	306.3	308.5	312.9	321.6	323.8	323.8	319.5	321.6



REPORT NUMBER: P588432

CATALOG NUMBER: ARC-CA6-130-740-U-33-X-5-X

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	356.7	363.2	295.4	310.7	326.0	337.0	352.3	361.0	356.7	354.5	356.7
115°	347.9	352.3	275.7	299.8	328.2	343.5	347.9	347.9	337.0	337.0	339.2
117.5°	337.0	345.7	256.0	275.7	295.4	308.5	306.3	299.8	286.6	282.3	295.4
120°	312.9	339.2	245.1	249.4	251.6	256.0	249.4	242.9	231.9	229.7	238.5
122.5°	288.8	312.9	225.4	221.0	218.8	218.8	216.6	214.4	207.9	210.1	218.8
125°	269.1	282.3	205.7	199.1	196.9	199.1	199.1	199.1	194.7	190.4	190.4
127.5°	253.8	258.2	194.7	186.0	183.8	183.8	183.8	186.0	183.8	177.2	177.2
130°	245.1	242.9	188.2	172.9	170.7	172.9	172.9	175.0	170.7	166.3	166.3
132.5°	227.6	223.2	179.4	164.1	161.9	164.1	164.1	164.1	159.7	155.4	155.4
135°	207.9	203.5	168.5	153.2	151.0	153.2	153.2	155.4	151.0	146.6	146.6
137.5°	192.6	188.2	157.5	144.4	142.2	142.2	144.4	144.4	142.2	137.8	137.8
140°	179.4	175.0	146.6	135.7	131.3	133.5	133.5	133.5	131.3	126.9	126.9
142.5°	168.5	166.3	135.7	124.7	120.3	122.5	122.5	124.7	120.3	116.0	116.0
145°	159.7	155.4	126.9	113.8	111.6	111.6	111.6	113.8	109.4	105.0	105.0
147.5°	151.0	146.6	116.0	102.8	100.7	100.7	100.7	100.7	98.5	94.1	91.9
150°	133.5	131.3	107.2	94.1	89.7	89.7	89.7	87.5	83.1	78.8	78.8
152.5°	113.8	111.6	94.1	83.1	78.8	78.8	76.6	76.6	72.2	70.0	67.8
155°	98.5	98.5	85.3	74.4	70.0	67.8	65.6	65.6	63.5	61.3	59.1
157.5°	87.5	85.3	76.6	67.8	59.1	59.1	56.9	56.9	54.7	52.5	50.3
160°	74.4	74.4	65.6	56.9	50.3	48.1	48.1	45.9	43.8	41.6	41.6
162.5°	59.1	59.1	52.5	45.9	39.4	39.4	37.2	37.2	35.0	32.8	30.6
165°	41.6	41.6	39.4	35.0	30.6	28.4	28.4	28.4	26.3	24.1	24.1
167.5°	28.4	28.4	26.3	24.1	21.9	19.7	21.9	21.9	19.7	17.5	17.5
170°	15.3	15.3	13.1	13.1	10.9	10.9	13.1	15.3	13.1	10.9	8.8
172.5°	6.6	6.6	6.6	6.6	4.4	6.6	8.8	10.9	8.8	6.6	6.6
175°	4.4	4.4	6.6	6.6	4.4	6.6	8.8	10.9	8.8	6.6	6.6
177.5°	4.4	4.4	6.6	6.6	4.4	6.6	8.8	10.9	8.8	6.6	6.6
180°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8

(END OF REPORT)