

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: P588431

Luminaire Tested: **ARC-CA6-130-740-U-33-6-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
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-33-6-5-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

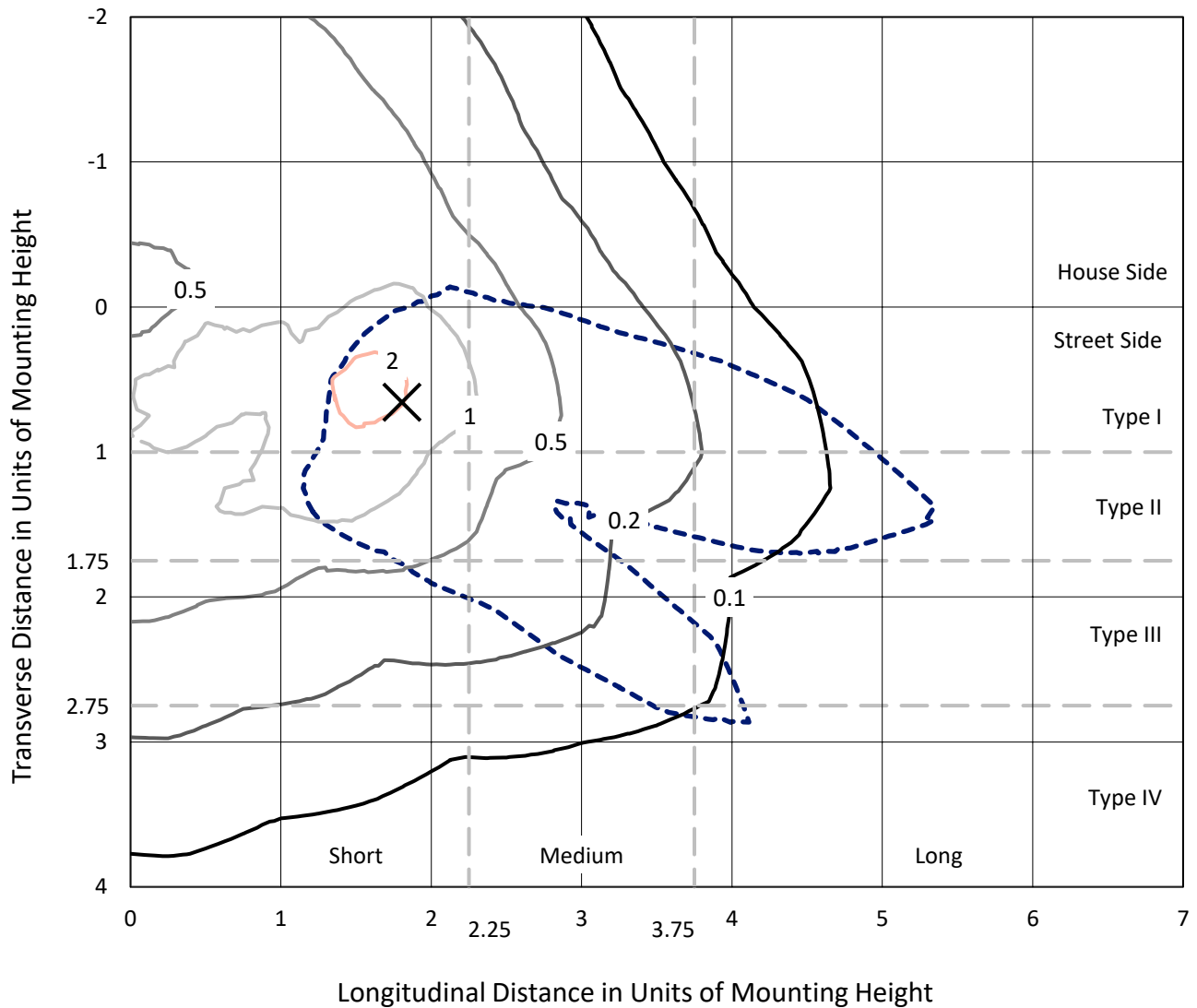
Lumens per Lamp: N/A  
Luminaire Lumens: 11446 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B4 - U3 - G4  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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

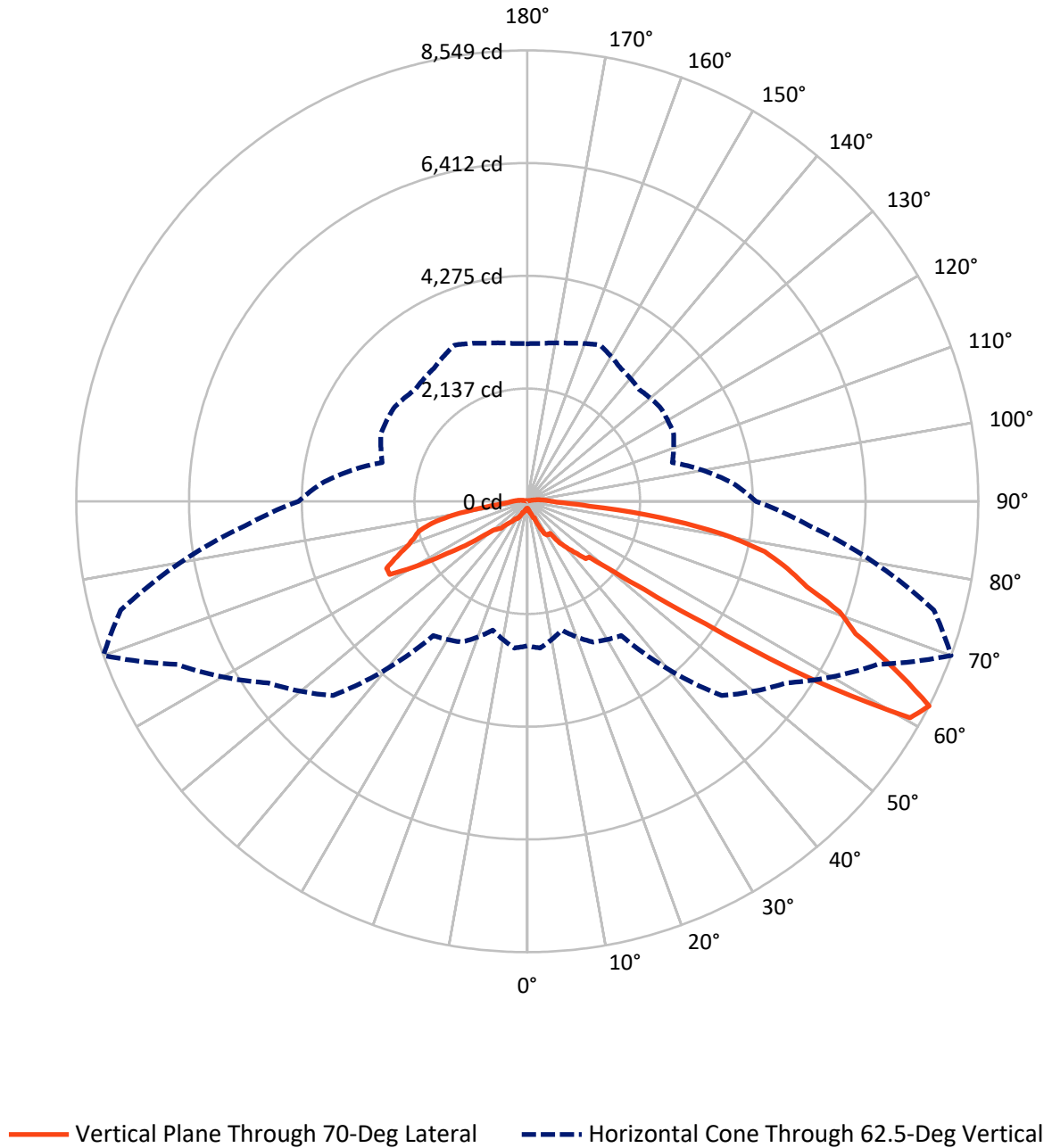
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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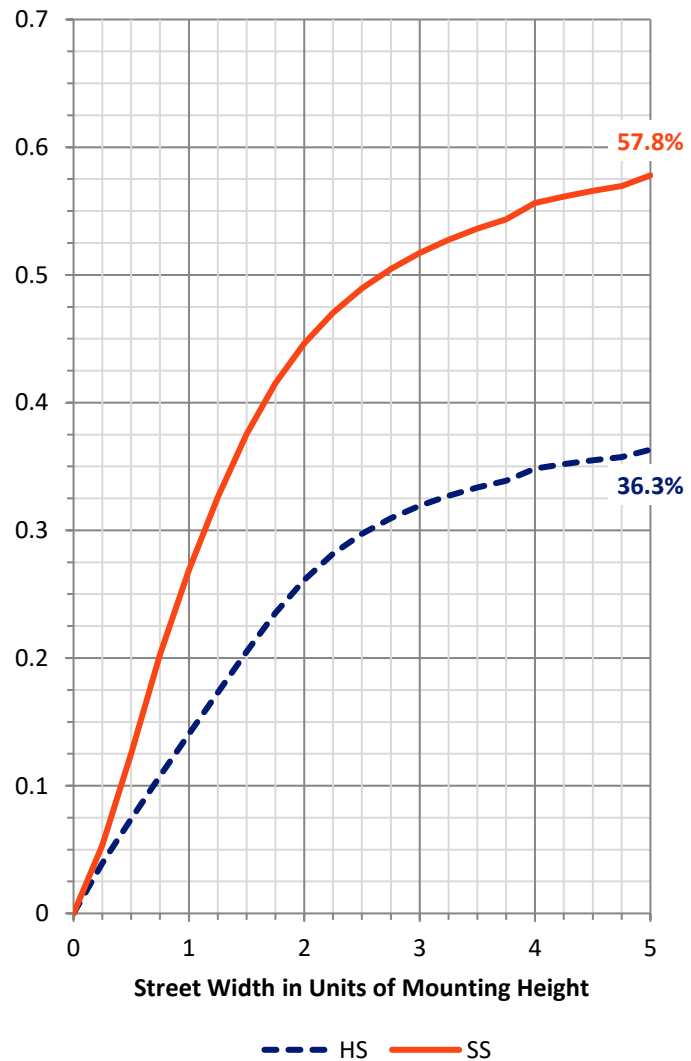
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4242.2	155.5	4397.7
	% Fixture	37.1	1.4	38.4
<b>Street Side</b>	Lumens	6834.6	213.7	7048.3
	% Fixture	59.7	1.9	61.6
<b>Total</b>	Lumens	11076.8	369.2	11446.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	0.1
10°-20°	62.3	0.5
20°-30°	193.1	1.7
30°-40°	414.1	3.6
40°-50°	775.8	6.8
50°-60°	2013.2	17.6
60°-70°	3687.9	32.2
70°-80°	2958.1	25.8
80°-90°	957.8	8.4
90°-100°	252.4	2.2
100°-110°	82.1	0.7
110°-120°	32.2	0.3
120°-130°	2.5	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11076.8	96.8
0°-180°	11446.0	100.0



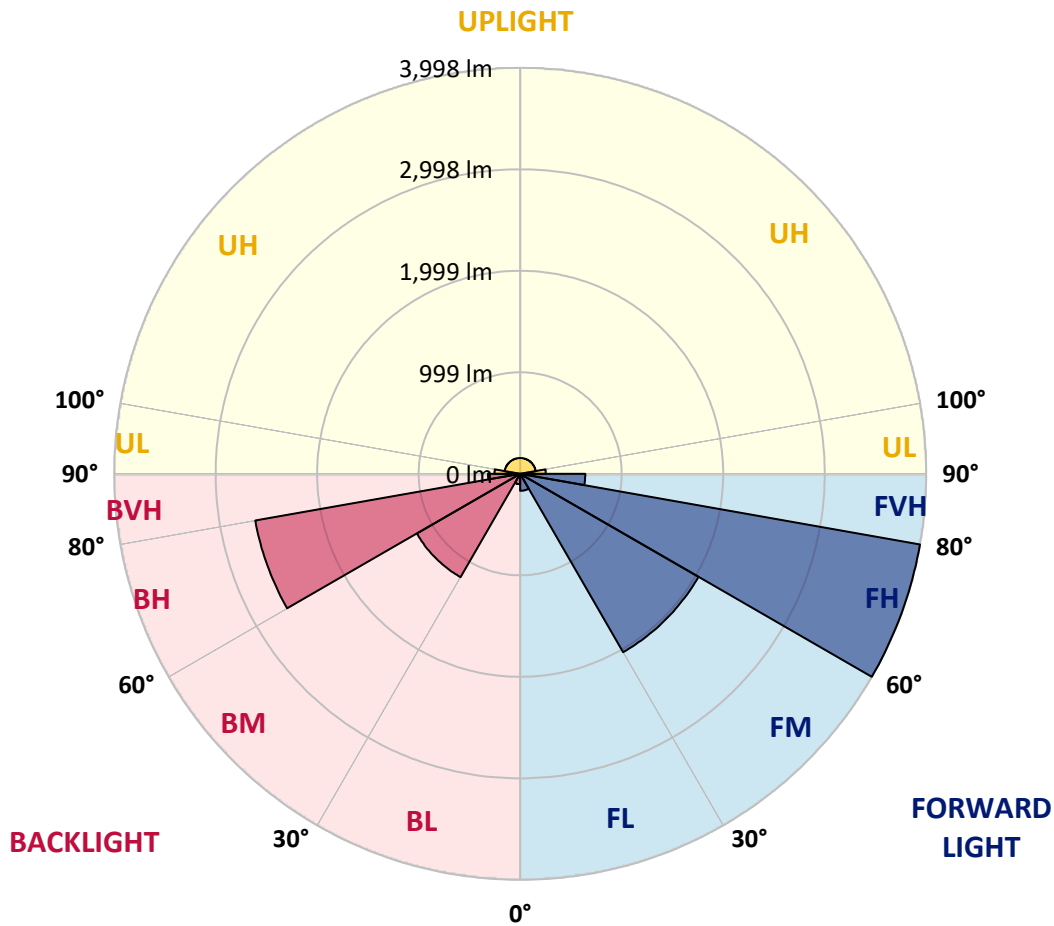
REPORT NUMBER: P588431  
 CATALOG NUMBER: ARC-CA6-130-740-U-33-6-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.9	1.5			
FM (30°-60°)	2028.1	17.7			
FH (60°-80°)	3997.8	34.9			G2/5000
FVH (80°-90°)	640.8	5.6			G4/750
BL (0°-30°)	101.9	0.9	B0/110		
BM (30°-60°)	1175.1	10.3	B2/2500		
BH (60°-80°)	2648.1	23.1	B4/5000		G4/5000
BVH (80°-90°)	317.0	2.8			G3/500
UL (90°-100°)	252.4	2.2		U3/500	
UH (100°-180°)	155.5	1.4		U3/500	

**BUG Rating: B4-U3-G4**

Type III Short





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 CATALOG NUMBER: ARC-CA6-130-740-U-33-6-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
2.5°	146.6	146.6	146.6	144.4	142.2	140.0	137.9	137.9	135.7	133.5	131.3
5°	159.7	157.5	155.4	151.0	148.8	148.8	146.6	146.6	146.6	144.4	142.2
7.5°	177.2	177.2	175.0	172.9	170.7	168.5	166.3	164.1	164.1	161.9	159.7
10°	201.3	201.3	201.3	199.1	199.1	196.9	192.6	190.4	186.0	183.8	177.2
12.5°	225.4	227.6	223.2	223.2	223.2	221.0	216.6	214.4	210.1	205.7	196.9
15°	249.4	247.3	245.1	242.9	247.3	247.3	245.1	245.1	236.3	229.8	214.4
17.5°	271.3	271.3	273.5	273.5	280.1	277.9	277.9	275.7	271.3	260.4	240.7
20°	306.3	308.5	308.5	308.5	330.4	339.2	341.3	343.5	337.0	315.1	275.7
22.5°	341.3	343.5	358.9	354.5	354.5	354.5	376.4	365.4	337.0	310.7	288.8
25°	461.7	468.3	472.6	487.9	505.5	553.6	630.2	606.1	562.3	472.6	398.2
27.5°	577.7	586.4	665.2	774.6	789.9	733.0	787.7	715.5	693.6	601.7	540.5
30°	630.2	645.5	781.2	855.6	881.8	807.4	886.2	748.3	741.8	676.1	623.6
32.5°	643.3	654.2	803.0	811.8	818.4	809.6	927.8	759.3	744.0	678.3	601.7
35°	623.6	636.7	737.4	687.1	689.3	844.6	1065.6	818.4	748.3	634.6	549.2
37.5°	768.0	768.0	853.4	866.5	923.4	1111.6	1396.0	1080.9	1002.2	827.1	722.1
40°	875.2	886.2	1021.8	1072.2	1080.9	1240.7	1748.3	1266.9	1155.3	925.6	844.6
42.5°	1019.7	1017.5	1142.2	1177.2	1201.3	1260.4	1787.7	1457.3	1326.0	1048.1	986.8
45°	1043.7	1078.7	1192.5	1153.1	1183.8	1334.7	1866.5	1726.4	1551.4	1280.0	1153.1
47.5°	947.5	995.6	1225.3	1192.5	1070.0	1140.0	1496.7	1772.4	1579.8	1315.1	1225.3
50°	1021.8	1048.1	1161.9	1140.0	975.9	1212.2	1643.3	2220.9	2006.5	1564.5	1334.7
52.5°	1321.6	1378.5	1398.2	1483.5	1404.8	1813.9	2299.7	2813.9	2785.5	2264.7	1761.4
55°	1698.0	1781.1	1868.6	2192.5	2238.4	2848.9	3210.0	3759.2	4100.5	3581.9	2702.3
57.5°	2105.0	2223.1	2194.7	2665.1	2737.3	3859.8	4192.4	5479.0	6391.5	5686.9	3958.3
60°	2498.8	2577.6	2417.9	2831.4	2969.3	4859.8	5347.7	7135.4	8336.7	7586.2	4875.1
62.5°	2741.7	2792.0	2529.5	2945.2	3107.1	5207.7	6002.0	7321.4	8549.0	7977.9	5371.8
65°	2739.5	2726.4	2426.6	2787.7	2765.8	4807.3	5800.7	6153.0	7636.5	7540.2	5435.3
67.5°	2632.3	2636.7	2321.6	2608.2	2518.5	4238.4	5374.0	5205.5	6713.1	6842.2	5286.5
70°	2529.5	2582.0	2282.2	2531.6	2490.1	4076.5	5188.0	4684.7	6279.9	6524.9	5128.9
72.5°	2385.0	2435.4	2153.1	2371.9	2387.2	3752.6	4870.7	4089.6	5538.1	5833.5	4597.2
75°	2382.9	2446.3	2181.5	2374.1	2398.2	3568.8	4910.1	3883.9	5093.9	5490.0	4290.9
77.5°	2247.2	2304.1	2059.0	2238.4	2306.3	3229.7	4684.7	3627.9	4601.6	5045.8	3890.5
80°	1805.2	1881.8	1680.5	1798.6	1835.8	2422.2	3757.0	2971.5	3743.9	4188.0	3179.3
82.5°	1234.1	1304.1	1170.6	1258.2	1306.3	1588.6	2597.3	2140.0	2544.8	2816.1	1991.2
85°	713.3	796.5	717.7	706.8	730.8	838.0	1398.2	1137.8	1183.8	1245.0	884.0
87.5°	448.6	461.7	422.3	424.5	428.9	459.5	636.7	507.6	560.2	634.6	536.1
90°	356.7	369.8	341.3	343.5	337.0	365.4	477.0	387.3	431.1	496.7	424.5
92.5°	308.5	317.3	297.6	302.0	297.6	319.5	398.2	319.5	354.5	407.0	347.9
95°	262.6	269.1	258.2	260.4	247.3	260.4	310.7	242.9	269.1	306.3	260.4
97.5°	210.1	216.6	210.1	210.1	196.9	203.5	238.5	188.2	205.7	229.8	196.9
100°	166.3	168.5	166.3	164.1	153.2	153.2	166.3	135.7	142.2	157.5	135.7
102.5°	126.9	129.1	126.9	124.7	111.6	105.0	105.0	87.5	91.9	96.3	85.3
105°	100.7	102.8	100.7	96.3	85.3	78.8	76.6	63.5	63.5	65.6	59.1
107.5°	83.1	83.1	83.1	78.8	72.2	63.5	56.9	46.0	46.0	48.1	46.0
110°	67.8	67.8	65.6	63.5	56.9	50.3	43.8	37.2	37.2	37.2	35.0



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CATALOG NUMBER: ARC-CA6-130-740-U-33-6-5-X

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	56.9	56.9	54.7	52.5	46.0	39.4	35.0	30.6	30.6	30.6	28.4
115°	48.1	48.1	46.0	43.8	39.4	32.8	28.4	24.1	24.1	24.1	24.1
117.5°	41.6	41.6	39.4	37.2	32.8	28.4	24.1	19.7	19.7	19.7	19.7
120°	37.2	35.0	32.8	30.6	26.3	24.1	19.7	17.5	17.5	17.5	15.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
2.5°	131.3	131.3	129.1	129.1	129.1	126.9	126.9	129.1	129.1	129.1	129.1
5°	140.0	137.9	133.5	129.1	126.9	124.7	122.5	122.5	126.9	126.9	126.9
7.5°	157.5	155.4	148.8	144.4	140.0	135.7	133.5	131.3	133.5	135.7	135.7
10°	175.0	172.9	164.1	157.5	155.4	151.0	148.8	146.6	148.8	148.8	148.8
12.5°	192.6	188.2	181.6	172.9	168.5	166.3	164.1	161.9	161.9	161.9	161.9
15°	207.9	201.3	194.7	188.2	183.8	179.4	177.2	175.0	177.2	179.4	179.4
17.5°	231.9	225.4	210.1	199.1	196.9	192.6	190.4	190.4	192.6	194.7	194.7
20°	258.2	245.1	227.6	216.6	214.4	207.9	205.7	205.7	207.9	210.1	210.1
22.5°	280.1	271.3	245.1	229.8	227.6	225.4	227.6	227.6	229.8	231.9	231.9
25°	356.7	321.7	284.5	273.5	271.3	266.9	262.6	260.4	262.6	269.1	271.3
27.5°	481.4	417.9	347.9	323.8	323.8	328.2	337.0	341.3	332.6	328.2	330.4
30°	564.5	479.2	378.5	356.7	361.0	382.9	402.6	415.7	407.0	400.4	402.6
32.5°	542.7	463.9	391.7	387.3	400.4	417.9	428.9	435.4	452.9	459.5	468.3
35°	494.5	435.4	396.0	413.6	422.3	422.3	422.3	422.3	455.1	485.8	494.5
37.5°	603.9	503.3	470.4	477.0	470.4	463.9	470.4	487.9	516.4	540.5	547.0
40°	708.9	582.0	527.3	523.0	520.8	542.7	582.0	612.7	621.4	599.5	603.9
42.5°	824.9	658.6	588.6	595.2	612.7	647.7	691.4	691.4	691.4	671.8	678.3
45°	934.3	748.3	706.8	724.3	724.3	741.8	765.8	750.5	770.2	779.0	789.9
47.5°	1063.4	868.7	776.8	761.5	763.7	798.7	807.4	800.8	814.0	798.7	798.7
50°	1102.8	888.4	816.2	875.2	875.2	835.9	803.0	807.4	844.6	886.2	894.9
52.5°	1402.6	1100.6	1035.0	1096.2	1122.5	1054.7	1054.7	1063.4	1072.2	1102.8	1111.6
55°	2098.4	1568.9	1371.9	1514.2	1533.9	1575.4	1689.2	1671.7	1571.1	1520.7	1516.4
57.5°	3137.8	2328.2	1708.9	1910.2	2037.1	2207.8	2293.1	2242.8	2107.2	2061.2	2010.9
60°	4010.8	3188.1	2214.4	2564.5	2754.8	2783.3	2752.6	2757.0	2654.2	2687.0	2673.9
62.5°	4334.6	3912.3	2846.7	3059.0	3087.4	2999.9	3080.9	3266.9	3100.6	3002.1	2986.8
65°	4430.9	4181.5	3024.0	2886.1	2859.9	2844.5	3164.0	3474.7	3102.7	2873.0	2870.8
67.5°	4334.6	3905.8	2798.6	2571.0	2632.3	2757.0	3172.8	3288.7	2938.6	2684.8	2667.3
70°	4209.9	3461.6	2518.5	2321.6	2463.8	2645.4	2910.2	2864.2	2726.4	2501.0	2490.1
72.5°	3757.0	2999.9	2339.1	2175.0	2336.9	2389.4	2520.7	2501.0	2540.4	2398.2	2391.6
75°	3363.1	2754.8	2231.9	2039.3	2118.1	2109.3	2214.4	2238.4	2350.0	2288.8	2264.7
77.5°	2901.4	2396.0	1967.1	1743.9	1774.6	1772.4	1822.7	1838.0	1916.8	1921.2	1894.9
80°	2271.3	1877.4	1536.1	1312.9	1317.2	1277.9	1284.4	1282.2	1297.6	1315.1	1291.0
82.5°	1304.1	1048.1	870.9	728.6	698.0	645.5	634.6	638.9	632.4	628.0	628.0
85°	638.9	496.7	457.3	409.2	391.7	378.5	385.1	398.2	404.8	391.7	385.1
87.5°	431.1	372.0	354.5	334.8	326.0	312.9	321.7	332.6	341.3	330.4	328.2
90°	341.3	295.4	291.0	286.6	280.1	269.1	277.9	291.0	297.6	288.8	284.5
92.5°	275.7	238.5	238.5	236.3	229.8	221.0	231.9	242.9	249.4	242.9	240.7
95°	212.2	183.8	190.4	186.0	179.4	177.2	183.8	192.6	196.9	192.6	192.6
97.5°	164.1	144.4	151.0	148.8	140.0	137.9	142.2	148.8	153.2	148.8	146.6
100°	111.6	102.8	111.6	111.6	102.8	98.5	102.8	109.4	111.6	111.6	109.4
102.5°	74.4	70.0	81.0	83.1	78.8	74.4	76.6	81.0	83.1	83.1	83.1
105°	52.5	52.5	63.5	65.6	61.3	56.9	61.3	63.5	63.5	63.5	63.5
107.5°	41.6	43.8	50.3	54.7	50.3	46.0	48.1	50.3	50.3	50.3	52.5
110°	35.0	35.0	41.6	46.0	41.6	39.4	39.4	39.4	39.4	41.6	46.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.4	30.6	35.0	37.2	35.0	32.8	32.8	32.8	32.8	35.0	41.6
115°	24.1	26.3	30.6	30.6	28.4	28.4	28.4	26.3	26.3	28.4	39.4
117.5°	19.7	21.9	24.1	24.1	24.1	21.9	21.9	21.9	21.9	26.3	41.6
120°	17.5	17.5	19.7	19.7	17.5	17.5	17.5	17.5	15.3	21.9	32.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)