

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: P588379

Luminaire Tested: **ARC-CA6-110-730-U-33-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588379
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-CA6-110-730-U-33-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9926 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U3 - G4

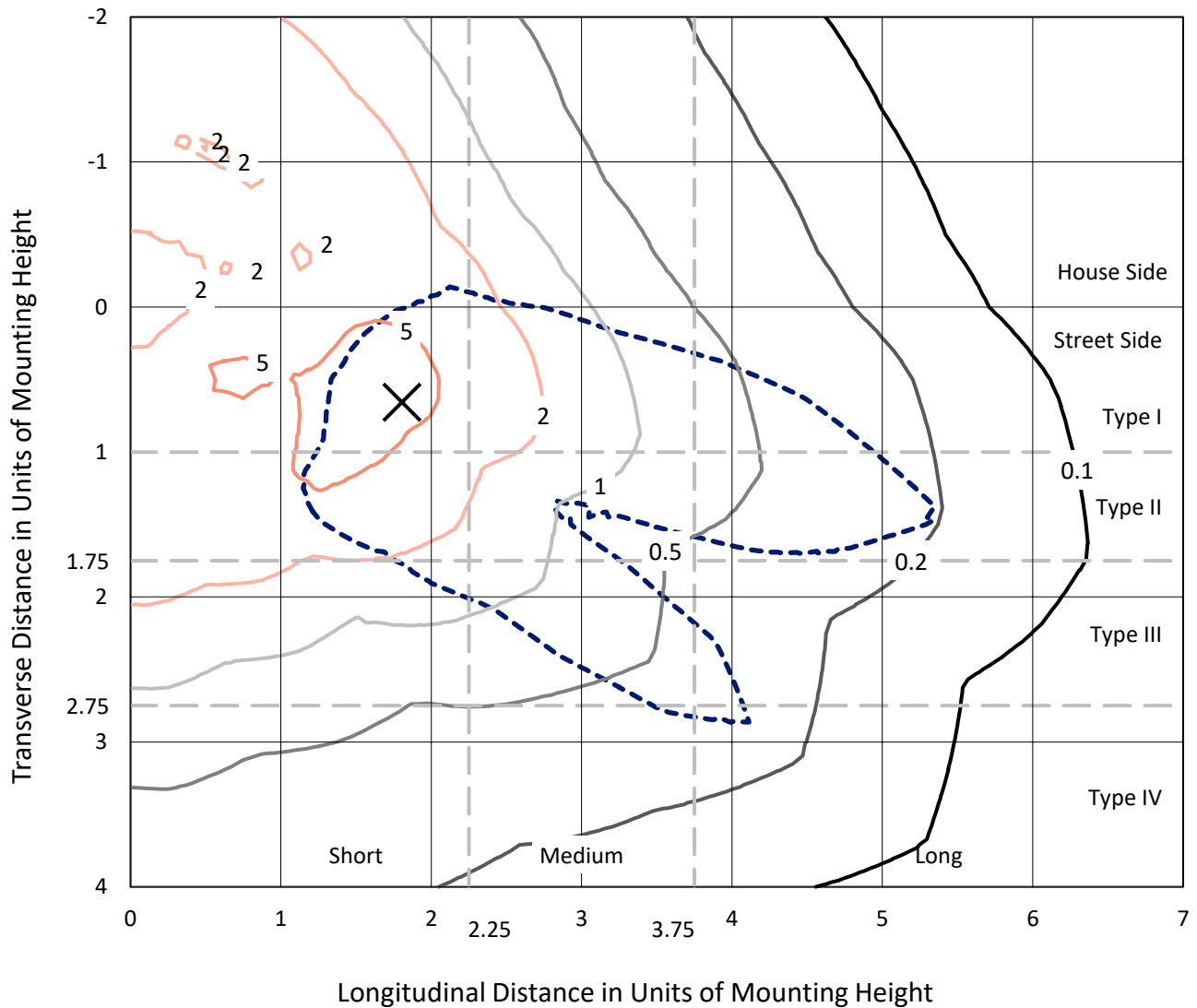
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P588379
 CATALOG NUMBER: ARC-CA6-110-730-U-33-6-5-X

Iso-Footcandle Lines of Horizontal Illumination

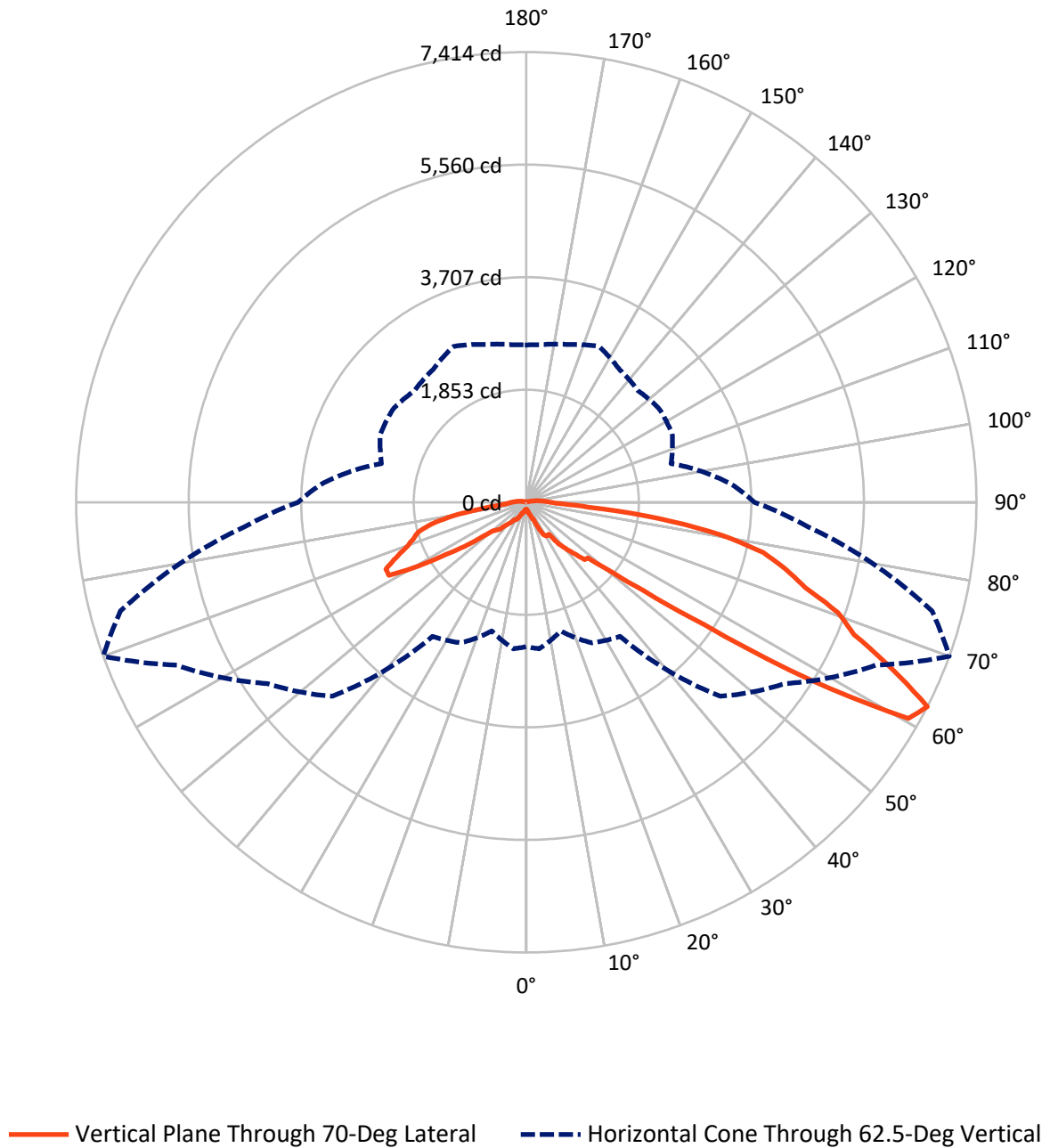
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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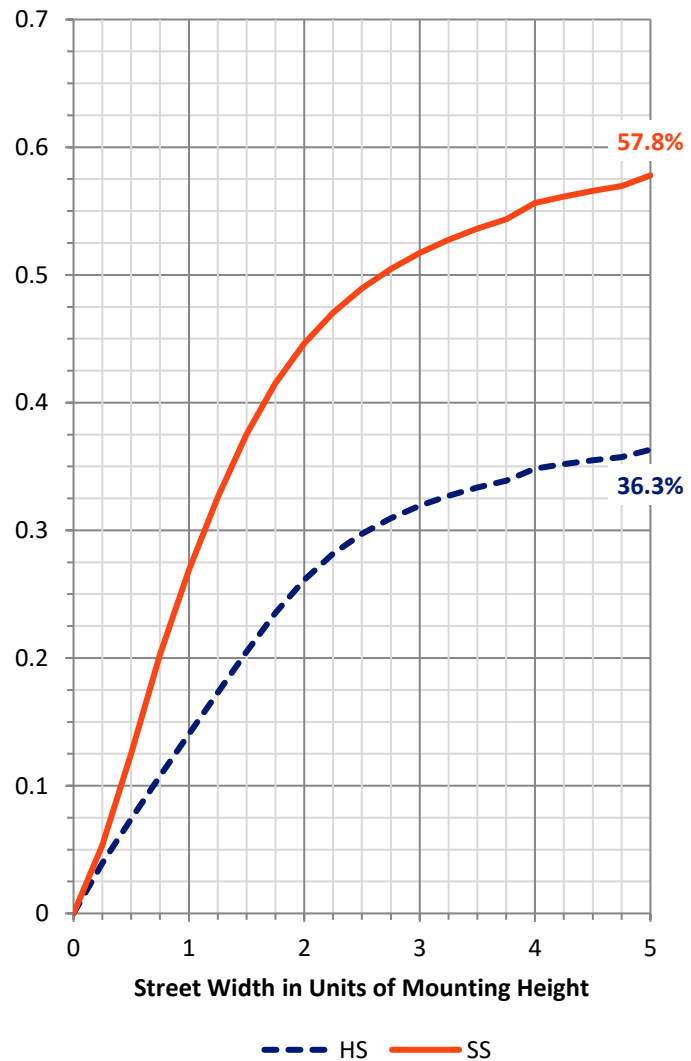
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3678.8 | 134.9 | 3813.7 |
| | % Fixture | 37.1 | 1.4 | 38.4 |
| Street Side | Lumens | 5927.0 | 185.3 | 6112.4 |
| | % Fixture | 59.7 | 1.9 | 61.6 |
| Total | Lumens | 9605.8 | 320.2 | 9926.0 |
| | % Fixture | 96.8 | 3.2 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 12.5 | 0.1 |
| 10°-20° | 54.0 | 0.5 |
| 20°-30° | 167.4 | 1.7 |
| 30°-40° | 359.1 | 3.6 |
| 40°-50° | 672.8 | 6.8 |
| 50°-60° | 1745.9 | 17.6 |
| 60°-70° | 3198.1 | 32.2 |
| 70°-80° | 2565.2 | 25.8 |
| 80°-90° | 830.6 | 8.4 |
| 90°-100° | 218.9 | 2.2 |
| 100°-110° | 71.2 | 0.7 |
| 110°-120° | 27.9 | 0.3 |
| 120°-130° | 2.2 | 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° | 9605.8 | 96.8 |
| 0°-180° | 9926.0 | 100.0 |

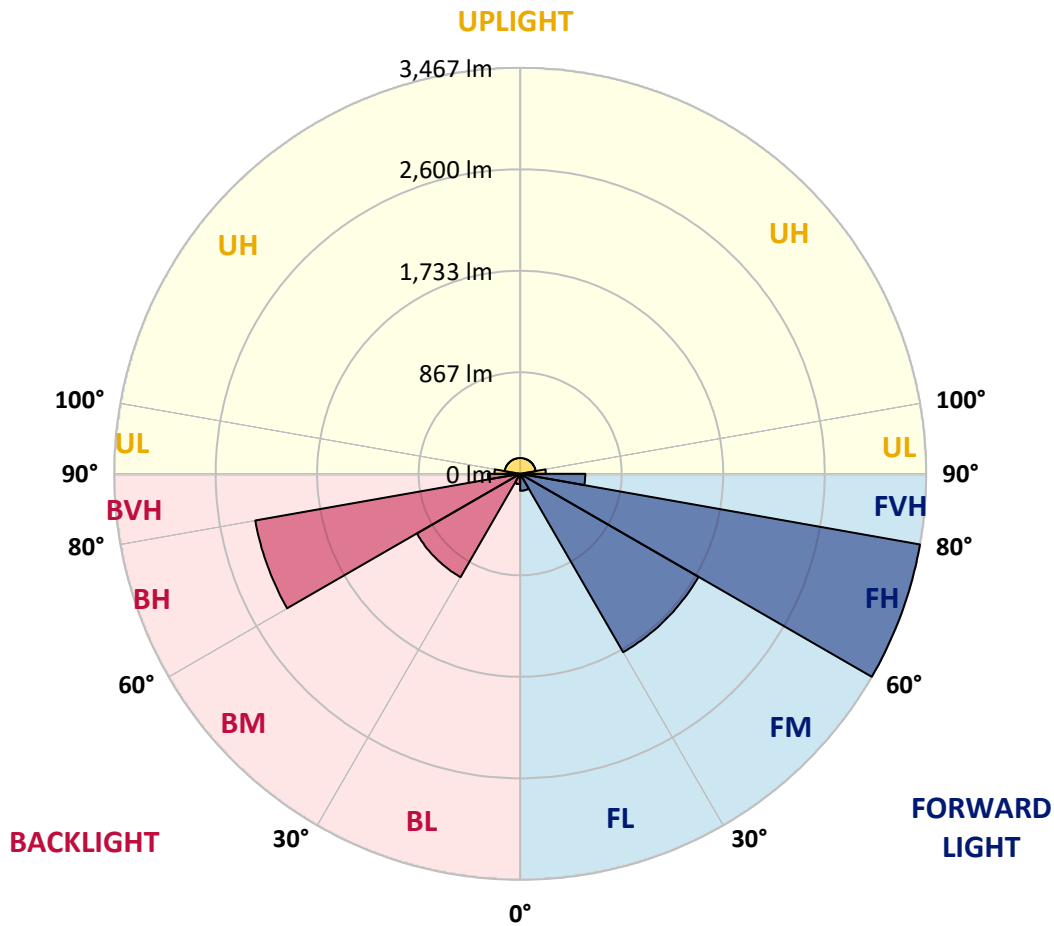


REPORT NUMBER: P588379
 CATALOG NUMBER: ARC-CA6-110-730-U-33-6-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 145.6 | 1.5 | | | |
| FM (30°-60°) | 1758.7 | 17.7 | | | |
| FH (60°-80°) | 3466.9 | 34.9 | | | G2/5000 |
| FVH (80°-90°) | 555.7 | 5.6 | | | G4/750 |
| BL (0°-30°) | 88.4 | 0.9 | B0/110 | | |
| BM (30°-60°) | 1019.0 | 10.3 | B2/2500 | | |
| BH (60°-80°) | 2296.5 | 23.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 274.9 | 2.8 | | | G3/500 |
| UL (90°-100°) | 218.9 | 2.2 | | U3/500 | |
| UH (100°-180°) | 134.9 | 1.4 | | U3/500 | |

BUG Rating: B3-U3-G4
 Type III Short





REPORT NUMBER: P588379
 CATALOG NUMBER: ARC-CA6-110-730-U-33-6-5-X

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 |
| 2.5° | 127.1 | 127.1 | 127.1 | 125.2 | 123.3 | 121.4 | 119.5 | 119.5 | 117.6 | 115.7 | 113.9 |
| 5° | 138.5 | 136.6 | 134.7 | 130.9 | 129.0 | 129.0 | 127.1 | 127.1 | 127.1 | 125.2 | 123.3 |
| 7.5° | 153.7 | 153.7 | 151.8 | 149.9 | 148.0 | 146.1 | 144.2 | 142.3 | 142.3 | 140.4 | 138.5 |
| 10° | 174.6 | 174.6 | 174.6 | 172.7 | 172.7 | 170.8 | 167.0 | 165.1 | 161.3 | 159.4 | 153.7 |
| 12.5° | 195.4 | 197.3 | 193.5 | 193.5 | 193.5 | 191.7 | 187.9 | 186.0 | 182.2 | 178.4 | 170.8 |
| 15° | 216.3 | 214.4 | 212.5 | 210.6 | 214.4 | 214.4 | 212.5 | 212.5 | 204.9 | 199.2 | 186.0 |
| 17.5° | 235.3 | 235.3 | 237.2 | 237.2 | 242.9 | 241.0 | 241.0 | 239.1 | 235.3 | 225.8 | 208.7 |
| 20° | 265.7 | 267.6 | 267.6 | 267.6 | 286.5 | 294.1 | 296.0 | 297.9 | 292.2 | 273.2 | 239.1 |
| 22.5° | 296.0 | 297.9 | 311.2 | 307.4 | 307.4 | 307.4 | 326.4 | 316.9 | 292.2 | 269.5 | 250.5 |
| 25° | 400.4 | 406.1 | 409.9 | 423.2 | 438.3 | 480.1 | 546.5 | 525.6 | 487.7 | 409.9 | 345.4 |
| 27.5° | 500.9 | 508.5 | 576.9 | 671.7 | 685.0 | 635.7 | 683.1 | 620.5 | 601.5 | 521.8 | 468.7 |
| 30° | 546.5 | 559.8 | 677.4 | 741.9 | 764.7 | 700.2 | 768.5 | 649.0 | 643.3 | 586.3 | 540.8 |
| 32.5° | 557.9 | 567.4 | 696.4 | 704.0 | 709.7 | 702.1 | 804.6 | 658.4 | 645.2 | 588.2 | 521.8 |
| 35° | 540.8 | 552.2 | 639.5 | 595.8 | 597.7 | 732.4 | 924.1 | 709.7 | 649.0 | 550.3 | 476.3 |
| 37.5° | 666.0 | 666.0 | 740.0 | 751.4 | 800.8 | 963.9 | 1210.6 | 937.4 | 869.1 | 717.3 | 626.2 |
| 40° | 759.0 | 768.5 | 886.1 | 929.8 | 937.4 | 1075.9 | 1516.1 | 1098.7 | 1001.9 | 802.7 | 732.4 |
| 42.5° | 884.3 | 882.4 | 990.5 | 1020.9 | 1041.7 | 1093.0 | 1550.3 | 1263.8 | 1149.9 | 908.9 | 855.8 |
| 45° | 905.1 | 935.5 | 1034.2 | 1000.0 | 1026.6 | 1157.5 | 1618.6 | 1497.2 | 1345.4 | 1110.1 | 1000.0 |
| 47.5° | 821.6 | 863.4 | 1062.6 | 1034.2 | 927.9 | 988.6 | 1297.9 | 1537.0 | 1370.0 | 1140.4 | 1062.6 |
| 50° | 886.1 | 908.9 | 1007.6 | 988.6 | 846.3 | 1051.2 | 1425.0 | 1926.0 | 1740.0 | 1356.7 | 1157.5 |
| 52.5° | 1146.1 | 1195.4 | 1212.5 | 1286.5 | 1218.2 | 1573.1 | 1994.3 | 2440.2 | 2415.6 | 1963.9 | 1527.5 |
| 55° | 1472.5 | 1544.6 | 1620.5 | 1901.3 | 1941.2 | 2470.6 | 2783.7 | 3260.0 | 3556.0 | 3106.3 | 2343.5 |
| 57.5° | 1825.4 | 1927.9 | 1903.2 | 2311.2 | 2373.8 | 3347.3 | 3635.7 | 4751.4 | 5542.7 | 4931.7 | 3432.6 |
| 60° | 2167.0 | 2235.3 | 2096.8 | 2455.4 | 2575.0 | 4214.4 | 4637.6 | 6187.9 | 7229.6 | 6578.8 | 4227.7 |
| 62.5° | 2377.6 | 2421.3 | 2193.6 | 2554.1 | 2694.5 | 4516.1 | 5204.9 | 6349.2 | 7413.7 | 6918.4 | 4658.5 |
| 65° | 2375.7 | 2364.3 | 2104.4 | 2417.5 | 2398.5 | 4168.9 | 5030.4 | 5335.9 | 6622.4 | 6538.9 | 4713.5 |
| 67.5° | 2282.7 | 2286.5 | 2013.3 | 2261.9 | 2184.1 | 3675.5 | 4660.3 | 4514.2 | 5821.6 | 5933.6 | 4584.4 |
| 70° | 2193.6 | 2239.1 | 1979.1 | 2195.4 | 2159.4 | 3535.1 | 4499.1 | 4062.6 | 5445.9 | 5658.5 | 4447.8 |
| 72.5° | 2068.3 | 2112.0 | 1867.2 | 2056.9 | 2070.2 | 3254.3 | 4223.9 | 3546.5 | 4802.7 | 5058.8 | 3986.7 |
| 75° | 2066.4 | 2121.4 | 1891.8 | 2058.8 | 2079.7 | 3094.9 | 4258.1 | 3368.1 | 4417.5 | 4760.9 | 3721.1 |
| 77.5° | 1948.8 | 1998.1 | 1785.6 | 1941.2 | 2000.0 | 2800.8 | 4062.6 | 3146.1 | 3990.5 | 4375.7 | 3373.8 |
| 80° | 1565.5 | 1631.9 | 1457.3 | 1559.8 | 1592.0 | 2100.6 | 3258.1 | 2576.9 | 3246.7 | 3631.9 | 2757.1 |
| 82.5° | 1070.2 | 1130.9 | 1015.2 | 1091.1 | 1132.8 | 1377.6 | 2252.4 | 1855.8 | 2206.8 | 2442.1 | 1726.8 |
| 85° | 618.6 | 690.7 | 622.4 | 612.9 | 633.8 | 726.8 | 1212.5 | 986.7 | 1026.6 | 1079.7 | 766.6 |
| 87.5° | 389.0 | 400.4 | 366.2 | 368.1 | 371.9 | 398.5 | 552.2 | 440.2 | 485.8 | 550.3 | 464.9 |
| 90° | 309.3 | 320.7 | 296.0 | 297.9 | 292.2 | 316.9 | 413.7 | 335.9 | 373.8 | 430.7 | 368.1 |
| 92.5° | 267.6 | 275.1 | 258.1 | 261.9 | 258.1 | 277.0 | 345.4 | 277.0 | 307.4 | 352.9 | 301.7 |
| 95° | 227.7 | 233.4 | 223.9 | 225.8 | 214.4 | 225.8 | 269.5 | 210.6 | 233.4 | 265.7 | 225.8 |
| 97.5° | 182.2 | 187.9 | 182.2 | 182.2 | 170.8 | 176.5 | 206.8 | 163.2 | 178.4 | 199.2 | 170.8 |
| 100° | 144.2 | 146.1 | 144.2 | 142.3 | 132.8 | 132.8 | 144.2 | 117.6 | 123.3 | 136.6 | 117.6 |
| 102.5° | 110.1 | 112.0 | 110.1 | 108.2 | 96.8 | 91.1 | 91.1 | 75.9 | 79.7 | 83.5 | 74.0 |
| 105° | 87.3 | 89.2 | 87.3 | 83.5 | 74.0 | 68.3 | 66.4 | 55.0 | 55.0 | 56.9 | 51.2 |
| 107.5° | 72.1 | 72.1 | 72.1 | 68.3 | 62.6 | 55.0 | 49.3 | 39.8 | 39.8 | 41.7 | 39.8 |
| 110° | 58.8 | 58.8 | 56.9 | 55.0 | 49.3 | 43.6 | 38.0 | 32.3 | 32.3 | 32.3 | 30.4 |



REPORT NUMBER: P588379

CATALOG NUMBER: ARC-CA6-110-730-U-33-6-5-X

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 49.3 | 49.3 | 47.4 | 45.5 | 39.8 | 34.2 | 30.4 | 26.6 | 26.6 | 26.6 | 24.7 |
| 115° | 41.7 | 41.7 | 39.8 | 38.0 | 34.2 | 28.5 | 24.7 | 20.9 | 20.9 | 20.9 | 20.9 |
| 117.5° | 36.1 | 36.1 | 34.2 | 32.3 | 28.5 | 24.7 | 20.9 | 17.1 | 17.1 | 17.1 | 17.1 |
| 120° | 32.3 | 30.4 | 28.5 | 26.6 | 22.8 | 20.9 | 17.1 | 15.2 | 15.2 | 15.2 | 13.3 |
| 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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CATALOG NUMBER: ARC-CA6-110-730-U-33-6-5-X

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 |
| 2.5° | 113.9 | 113.9 | 112.0 | 112.0 | 112.0 | 110.1 | 110.1 | 112.0 | 112.0 | 112.0 | 112.0 |
| 5° | 121.4 | 119.5 | 115.7 | 112.0 | 110.1 | 108.2 | 106.3 | 106.3 | 110.1 | 110.1 | 110.1 |
| 7.5° | 136.6 | 134.7 | 129.0 | 125.2 | 121.4 | 117.6 | 115.7 | 113.9 | 115.7 | 117.6 | 117.6 |
| 10° | 151.8 | 149.9 | 142.3 | 136.6 | 134.7 | 130.9 | 129.0 | 127.1 | 129.0 | 129.0 | 129.0 |
| 12.5° | 167.0 | 163.2 | 157.5 | 149.9 | 146.1 | 144.2 | 142.3 | 140.4 | 140.4 | 140.4 | 140.4 |
| 15° | 180.3 | 174.6 | 168.9 | 163.2 | 159.4 | 155.6 | 153.7 | 151.8 | 153.7 | 155.6 | 155.6 |
| 17.5° | 201.1 | 195.4 | 182.2 | 172.7 | 170.8 | 167.0 | 165.1 | 165.1 | 167.0 | 168.9 | 168.9 |
| 20° | 223.9 | 212.5 | 197.3 | 187.9 | 186.0 | 180.3 | 178.4 | 178.4 | 180.3 | 182.2 | 182.2 |
| 22.5° | 242.9 | 235.3 | 212.5 | 199.2 | 197.3 | 195.4 | 197.3 | 197.3 | 199.2 | 201.1 | 201.1 |
| 25° | 309.3 | 278.9 | 246.7 | 237.2 | 235.3 | 231.5 | 227.7 | 225.8 | 227.7 | 233.4 | 235.3 |
| 27.5° | 417.5 | 362.4 | 301.7 | 280.8 | 280.8 | 284.6 | 292.2 | 296.0 | 288.4 | 284.6 | 286.5 |
| 30° | 489.6 | 415.6 | 328.3 | 309.3 | 313.1 | 332.1 | 349.1 | 360.5 | 352.9 | 347.2 | 349.1 |
| 32.5° | 470.6 | 402.3 | 339.7 | 335.9 | 347.2 | 362.4 | 371.9 | 377.6 | 392.8 | 398.5 | 406.1 |
| 35° | 428.8 | 377.6 | 343.5 | 358.6 | 366.2 | 366.2 | 366.2 | 366.2 | 394.7 | 421.3 | 428.8 |
| 37.5° | 523.7 | 436.4 | 408.0 | 413.7 | 408.0 | 402.3 | 408.0 | 423.2 | 447.8 | 468.7 | 474.4 |
| 40° | 614.8 | 504.7 | 457.3 | 453.5 | 451.6 | 470.6 | 504.7 | 531.3 | 538.9 | 519.9 | 523.7 |
| 42.5° | 715.4 | 571.2 | 510.4 | 516.1 | 531.3 | 561.7 | 599.6 | 599.6 | 599.6 | 582.5 | 588.2 |
| 45° | 810.2 | 649.0 | 612.9 | 628.1 | 628.1 | 643.3 | 664.1 | 650.9 | 667.9 | 675.5 | 685.0 |
| 47.5° | 922.2 | 753.3 | 673.6 | 660.3 | 662.2 | 692.6 | 700.2 | 694.5 | 705.9 | 692.6 | 692.6 |
| 50° | 956.4 | 770.4 | 707.8 | 759.0 | 759.0 | 724.9 | 696.4 | 700.2 | 732.4 | 768.5 | 776.1 |
| 52.5° | 1216.3 | 954.5 | 897.5 | 950.7 | 973.4 | 914.6 | 914.6 | 922.2 | 929.8 | 956.4 | 963.9 |
| 55° | 1819.7 | 1360.5 | 1189.8 | 1313.1 | 1330.2 | 1366.2 | 1464.9 | 1449.7 | 1362.4 | 1318.8 | 1315.0 |
| 57.5° | 2721.1 | 2019.0 | 1482.0 | 1656.5 | 1766.6 | 1914.6 | 1988.6 | 1945.0 | 1827.3 | 1787.5 | 1743.8 |
| 60° | 3478.2 | 2764.7 | 1920.3 | 2223.9 | 2389.0 | 2413.7 | 2387.1 | 2390.9 | 2301.7 | 2330.2 | 2318.8 |
| 62.5° | 3759.0 | 3392.8 | 2468.7 | 2652.8 | 2677.4 | 2601.5 | 2671.7 | 2833.0 | 2688.8 | 2603.4 | 2590.1 |
| 65° | 3842.5 | 3626.2 | 2622.4 | 2502.8 | 2480.1 | 2466.8 | 2743.8 | 3013.3 | 2690.7 | 2491.5 | 2489.6 |
| 67.5° | 3759.0 | 3387.1 | 2426.9 | 2229.6 | 2282.7 | 2390.9 | 2751.4 | 2852.0 | 2548.4 | 2328.3 | 2313.1 |
| 70° | 3650.9 | 3001.9 | 2184.1 | 2013.3 | 2136.6 | 2294.1 | 2523.7 | 2483.9 | 2364.3 | 2168.9 | 2159.4 |
| 72.5° | 3258.1 | 2601.5 | 2028.5 | 1886.2 | 2026.6 | 2072.1 | 2186.0 | 2168.9 | 2203.0 | 2079.7 | 2074.0 |
| 75° | 2916.5 | 2389.0 | 1935.5 | 1768.5 | 1836.8 | 1829.2 | 1920.3 | 1941.2 | 2038.0 | 1984.8 | 1963.9 |
| 77.5° | 2516.1 | 2077.8 | 1705.9 | 1512.3 | 1538.9 | 1537.0 | 1580.6 | 1593.9 | 1662.2 | 1666.0 | 1643.3 |
| 80° | 1969.6 | 1628.1 | 1332.1 | 1138.5 | 1142.3 | 1108.2 | 1113.9 | 1112.0 | 1125.2 | 1140.4 | 1119.5 |
| 82.5° | 1130.9 | 908.9 | 755.2 | 631.9 | 605.3 | 559.8 | 550.3 | 554.1 | 548.4 | 544.6 | 544.6 |
| 85° | 554.1 | 430.7 | 396.6 | 354.8 | 339.7 | 328.3 | 334.0 | 345.4 | 351.0 | 339.7 | 334.0 |
| 87.5° | 373.8 | 322.6 | 307.4 | 290.3 | 282.7 | 271.3 | 278.9 | 288.4 | 296.0 | 286.5 | 284.6 |
| 90° | 296.0 | 256.2 | 252.4 | 248.6 | 242.9 | 233.4 | 241.0 | 252.4 | 258.1 | 250.5 | 246.7 |
| 92.5° | 239.1 | 206.8 | 206.8 | 204.9 | 199.2 | 191.7 | 201.1 | 210.6 | 216.3 | 210.6 | 208.7 |
| 95° | 184.1 | 159.4 | 165.1 | 161.3 | 155.6 | 153.7 | 159.4 | 167.0 | 170.8 | 167.0 | 167.0 |
| 97.5° | 142.3 | 125.2 | 130.9 | 129.0 | 121.4 | 119.5 | 123.3 | 129.0 | 132.8 | 129.0 | 127.1 |
| 100° | 96.8 | 89.2 | 96.8 | 96.8 | 89.2 | 85.4 | 89.2 | 94.9 | 96.8 | 96.8 | 94.9 |
| 102.5° | 64.5 | 60.7 | 70.2 | 72.1 | 68.3 | 64.5 | 66.4 | 70.2 | 72.1 | 72.1 | 72.1 |
| 105° | 45.5 | 45.5 | 55.0 | 56.9 | 53.1 | 49.3 | 53.1 | 55.0 | 55.0 | 55.0 | 55.0 |
| 107.5° | 36.1 | 38.0 | 43.6 | 47.4 | 43.6 | 39.8 | 41.7 | 43.6 | 43.6 | 43.6 | 45.5 |
| 110° | 30.4 | 30.4 | 36.1 | 39.8 | 36.1 | 34.2 | 34.2 | 34.2 | 34.2 | 36.1 | 39.8 |



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| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 24.7 | 26.6 | 30.4 | 32.3 | 30.4 | 28.5 | 28.5 | 28.5 | 28.5 | 30.4 | 36.1 |
| 115° | 20.9 | 22.8 | 26.6 | 26.6 | 24.7 | 24.7 | 24.7 | 22.8 | 22.8 | 24.7 | 34.2 |
| 117.5° | 17.1 | 19.0 | 20.9 | 20.9 | 20.9 | 19.0 | 19.0 | 19.0 | 19.0 | 22.8 | 36.1 |
| 120° | 15.2 | 15.2 | 17.1 | 17.1 | 15.2 | 15.2 | 15.2 | 15.2 | 13.3 | 19.0 | 28.5 |
| 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)