

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: P256770

Luminaire Tested: **ULA-A3-D-U-ASYM-VMx-7027-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-729-11)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ULA-A3-D-U-ASYM-VMx-7027-BK
Description: UTILITY LIGHT ACORN TYPE IV ASYMMETRIC
Light Source: (60) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2865 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

Input Watts (W): 21.4
Input Voltage (V): NR
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: 28.75 FT

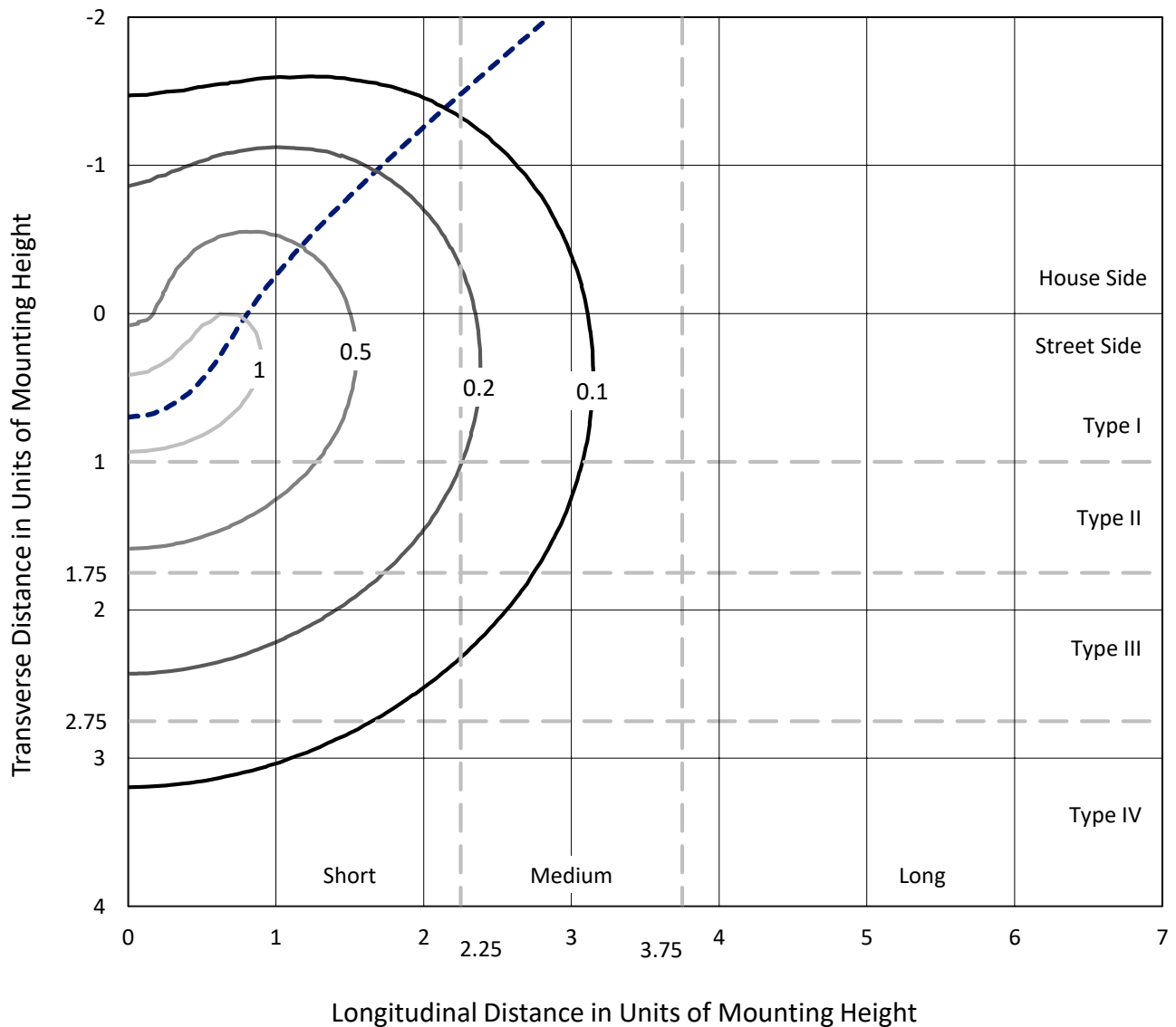


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

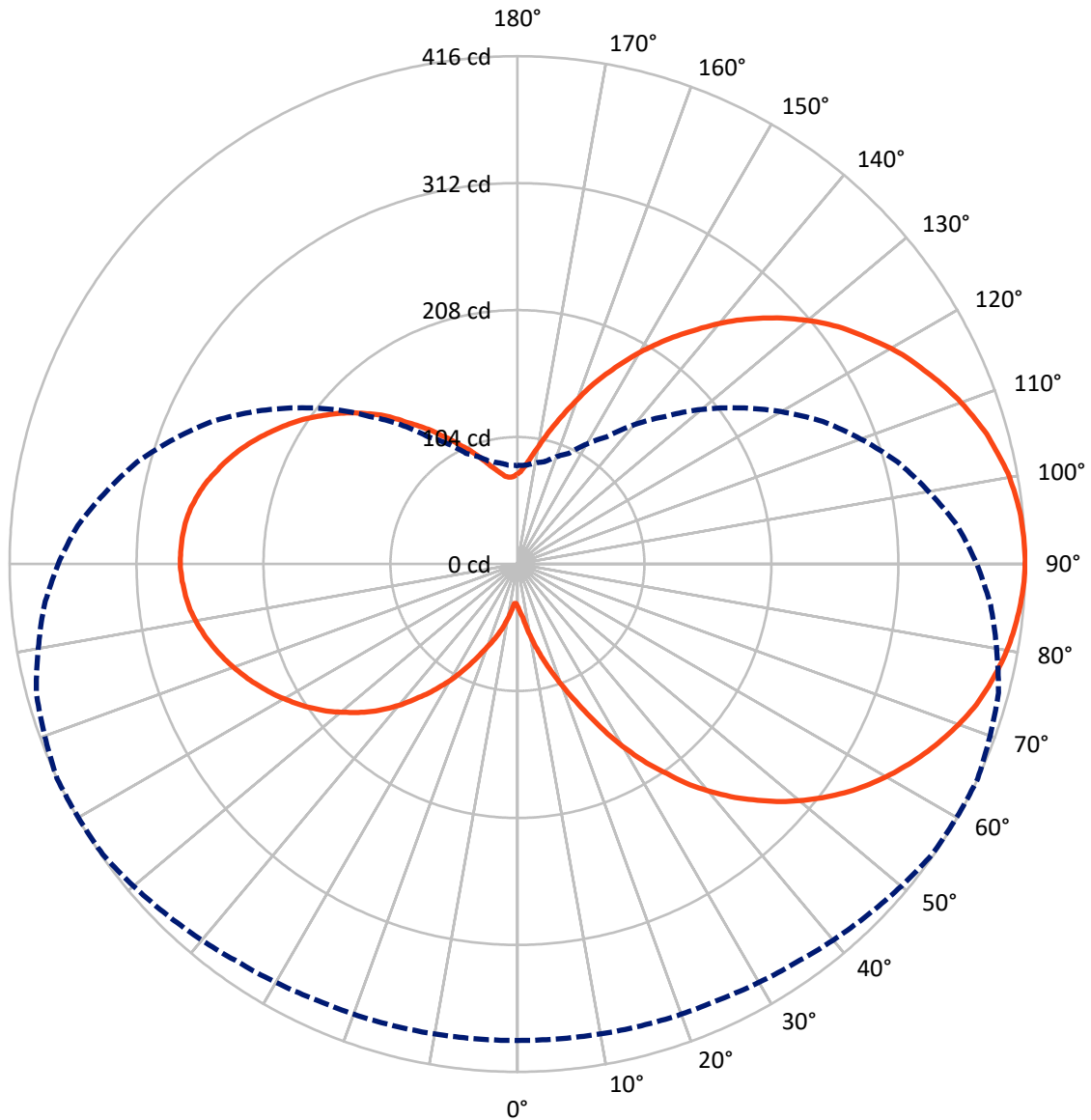


Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical

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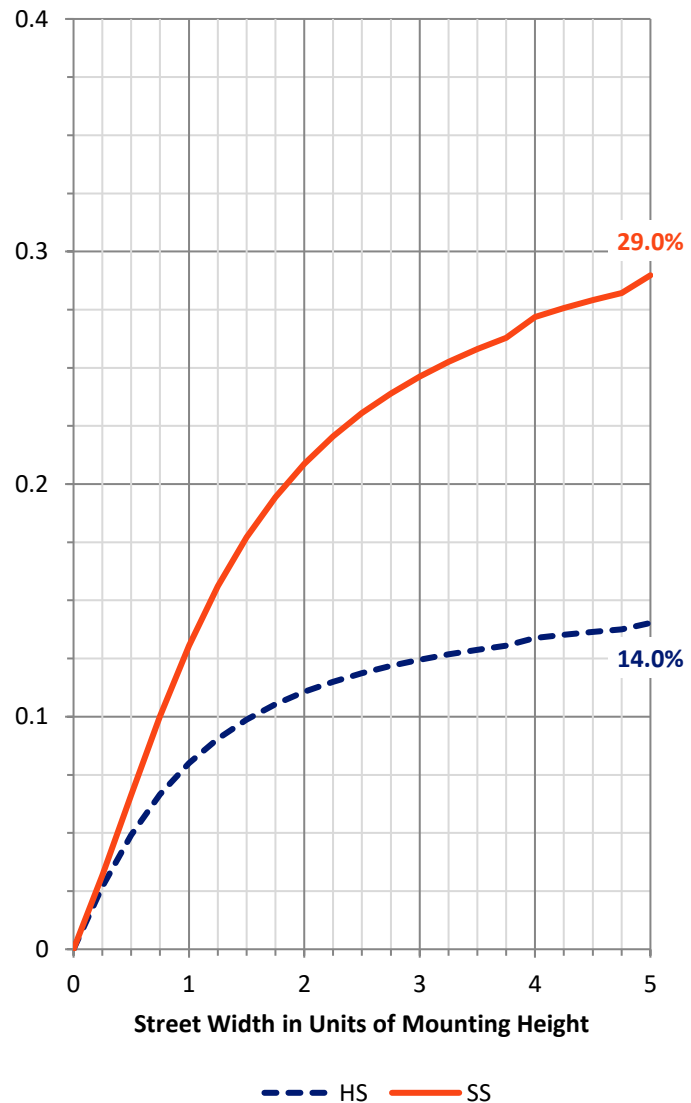
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 449.4 | 472.0 | 921.4 |
| | % Fixture | 15.7 | 16.5 | 32.2 |
| Street Side | Lumens | 960.9 | 982.7 | 1943.6 |
| | % Fixture | 33.5 | 34.3 | 67.8 |
| Total | Lumens | 1410.3 | 1454.7 | 2865.0 |
| | % Fixture | 49.2 | 50.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.1 | 0.1 |
| 10°-20° | 19.5 | 0.7 |
| 20°-30° | 49.2 | 1.7 |
| 30°-40° | 95.8 | 3.3 |
| 40°-50° | 152.0 | 5.3 |
| 50°-60° | 208.6 | 7.3 |
| 60°-70° | 259.4 | 9.1 |
| 70°-80° | 299.6 | 10.5 |
| 80°-90° | 322.2 | 11.2 |
| 90°-100° | 323.4 | 11.3 |
| 100°-110° | 301.6 | 10.5 |
| 110°-120° | 261.7 | 9.1 |
| 120°-130° | 211.7 | 7.4 |
| 130°-140° | 156.9 | 5.5 |
| 140°-150° | 103.9 | 3.6 |
| 150°-160° | 60.1 | 2.1 |
| 160°-170° | 27.9 | 1.0 |
| 170°-180° | 7.5 | 0.3 |
| 0°-90° | 1410.3 | 49.2 |
| 0°-180° | 2865.0 | 100.0 |



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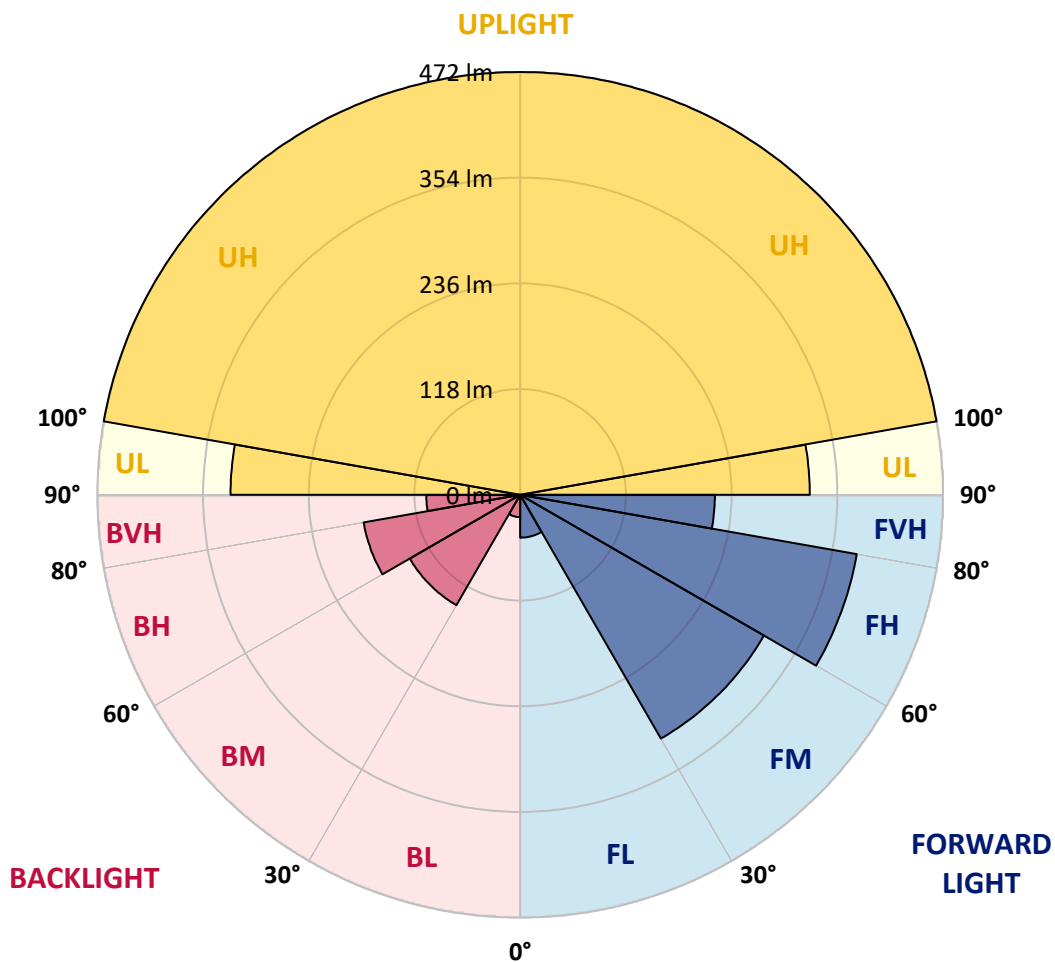
CATALOG NUMBER: ULA-A3-D-U-ASYM-VMx-7027-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 47.8 | 1.7 | | | |
| FM | (30°-60°) | 314.2 | 11.0 | | | |
| FH | (60°-80°) | 381.5 | 13.3 | | | G0/660 |
| FVH | (80°-90°) | 217.3 | 7.6 | | | G2/225 |
| BL | (0°-30°) | 24.9 | 0.9 | B0/110 | | |
| BM | (30°-60°) | 142.2 | 5.0 | B0/220 | | |
| BH | (60°-80°) | 177.5 | 6.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 104.8 | 3.7 | | | G2/225 |
| UL | (90°-100°) | 323.4 | 11.3 | | U3/500 | |
| UH | (100°-180°) | 472.0 | 16.5 | | U3/500 | |

BUG Rating: B1-U5-G2

Type Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 2.5° | 42.8 | 41.6 | 41.6 | 41.0 | 41.0 | 40.3 | 39.7 | 39.1 | 37.9 | 36.7 | 36.1 |
| 5° | 51.3 | 50.7 | 50.7 | 49.5 | 48.3 | 47.1 | 45.2 | 43.4 | 41.6 | 39.1 | 38.5 |
| 7.5° | 61.1 | 60.5 | 60.5 | 58.7 | 57.5 | 55.6 | 53.8 | 51.3 | 48.9 | 46.5 | 45.2 |
| 10° | 70.9 | 70.3 | 70.3 | 69.1 | 67.8 | 65.4 | 63.0 | 61.1 | 57.5 | 54.4 | 53.2 |
| 12.5° | 81.3 | 80.1 | 80.1 | 78.9 | 78.2 | 76.4 | 74.0 | 71.5 | 67.2 | 63.6 | 61.7 |
| 15° | 91.1 | 90.5 | 90.5 | 89.9 | 89.2 | 87.4 | 85.0 | 82.5 | 78.2 | 74.0 | 71.5 |
| 17.5° | 102.1 | 101.5 | 100.9 | 100.9 | 100.9 | 99.0 | 97.2 | 94.7 | 89.9 | 84.4 | 81.9 |
| 20° | 114.3 | 113.1 | 113.1 | 113.7 | 113.7 | 112.5 | 110.6 | 107.6 | 102.7 | 96.6 | 92.9 |
| 22.5° | 127.1 | 126.5 | 127.1 | 127.1 | 127.8 | 127.1 | 125.3 | 122.2 | 117.4 | 110.0 | 105.7 |
| 25° | 141.2 | 140.6 | 141.8 | 142.4 | 143.6 | 144.3 | 142.4 | 138.8 | 133.3 | 124.7 | 119.8 |
| 27.5° | 158.3 | 157.7 | 158.3 | 160.8 | 161.4 | 162.0 | 160.8 | 157.7 | 151.0 | 141.2 | 135.1 |
| 30° | 173.6 | 173.6 | 174.8 | 176.6 | 178.5 | 179.7 | 178.5 | 176.0 | 168.7 | 157.7 | 151.0 |
| 32.5° | 189.5 | 190.1 | 190.7 | 193.2 | 195.6 | 197.4 | 196.2 | 194.4 | 185.8 | 175.4 | 166.9 |
| 35° | 206.6 | 207.2 | 207.2 | 210.3 | 213.3 | 214.5 | 215.2 | 210.9 | 204.2 | 191.3 | 182.2 |
| 37.5° | 223.7 | 223.1 | 223.7 | 226.8 | 229.8 | 231.7 | 232.3 | 229.8 | 221.3 | 207.2 | 198.0 |
| 40° | 238.4 | 238.4 | 239.6 | 242.7 | 245.7 | 248.2 | 248.8 | 245.7 | 237.8 | 222.5 | 212.7 |
| 42.5° | 253.7 | 253.7 | 254.9 | 257.3 | 261.0 | 263.4 | 264.7 | 261.6 | 252.4 | 237.8 | 226.8 |
| 45° | 267.7 | 267.7 | 268.9 | 272.0 | 275.7 | 278.1 | 280.0 | 276.3 | 267.1 | 251.8 | 241.4 |
| 47.5° | 281.2 | 281.8 | 282.4 | 284.8 | 289.1 | 291.6 | 294.0 | 291.0 | 281.2 | 264.1 | 253.7 |
| 50° | 294.0 | 294.6 | 295.2 | 298.3 | 301.3 | 304.4 | 307.5 | 304.4 | 295.2 | 277.5 | 265.9 |
| 52.5° | 305.6 | 306.2 | 307.5 | 308.7 | 313.0 | 316.6 | 319.7 | 317.2 | 306.8 | 289.1 | 276.9 |
| 55° | 317.8 | 317.8 | 318.5 | 319.7 | 324.0 | 328.2 | 331.9 | 329.5 | 319.1 | 300.7 | 288.5 |
| 57.5° | 328.2 | 328.2 | 328.9 | 330.1 | 333.7 | 338.0 | 342.3 | 340.5 | 330.1 | 311.1 | 298.9 |
| 60° | 337.4 | 337.4 | 338.0 | 339.2 | 342.9 | 348.4 | 352.7 | 350.9 | 340.5 | 320.9 | 308.7 |
| 62.5° | 346.6 | 346.6 | 347.2 | 348.4 | 352.1 | 357.6 | 362.5 | 360.6 | 350.2 | 330.7 | 317.8 |
| 65° | 354.5 | 354.5 | 354.5 | 355.7 | 360.0 | 366.1 | 371.0 | 369.8 | 358.8 | 339.9 | 326.4 |
| 67.5° | 361.9 | 361.9 | 361.9 | 362.5 | 367.4 | 373.5 | 379.6 | 378.4 | 368.0 | 348.4 | 334.4 |
| 70° | 369.2 | 368.0 | 369.2 | 369.2 | 374.1 | 380.8 | 386.9 | 386.3 | 375.9 | 356.4 | 342.3 |
| 72.5° | 374.7 | 374.1 | 374.7 | 375.9 | 380.2 | 386.9 | 393.6 | 393.6 | 383.3 | 363.1 | 349.6 |
| 75° | 379.0 | 379.0 | 379.0 | 380.2 | 385.1 | 392.4 | 399.1 | 399.1 | 389.4 | 369.2 | 355.7 |
| 77.5° | 383.3 | 383.3 | 383.9 | 384.5 | 389.4 | 396.7 | 404.6 | 404.0 | 394.9 | 374.7 | 361.9 |
| 80° | 386.3 | 385.7 | 386.3 | 388.1 | 392.4 | 400.4 | 408.3 | 408.3 | 399.1 | 379.6 | 366.1 |
| 82.5° | 388.8 | 388.1 | 388.8 | 390.6 | 394.9 | 403.4 | 411.4 | 411.4 | 402.8 | 383.9 | 370.4 |
| 85° | 390.0 | 390.0 | 390.6 | 392.4 | 396.7 | 405.3 | 413.2 | 413.8 | 405.9 | 386.9 | 373.5 |
| 87.5° | 390.6 | 390.6 | 391.2 | 393.6 | 397.9 | 405.9 | 414.4 | 415.6 | 407.7 | 388.1 | 375.3 |
| 90° | 390.6 | 390.6 | 391.8 | 393.6 | 397.9 | 405.9 | 414.4 | 415.6 | 408.3 | 389.4 | 376.5 |
| 92.5° | 390.6 | 390.0 | 391.8 | 393.6 | 397.9 | 405.9 | 414.4 | 415.6 | 408.3 | 389.4 | 376.5 |
| 95° | 389.4 | 388.8 | 390.6 | 392.4 | 396.7 | 404.6 | 412.6 | 414.4 | 407.1 | 388.8 | 375.3 |
| 97.5° | 386.9 | 386.9 | 388.1 | 390.6 | 394.9 | 402.2 | 410.8 | 412.0 | 404.6 | 386.3 | 373.5 |
| 100° | 384.5 | 384.5 | 385.7 | 387.5 | 391.8 | 399.8 | 407.1 | 408.9 | 400.4 | 383.3 | 369.8 |
| 102.5° | 381.4 | 381.4 | 382.0 | 383.9 | 388.8 | 396.1 | 402.8 | 404.0 | 396.7 | 378.4 | 365.5 |
| 105° | 377.1 | 376.5 | 377.7 | 379.6 | 383.9 | 391.2 | 397.9 | 399.1 | 390.6 | 372.9 | 360.0 |
| 107.5° | 371.6 | 371.6 | 371.6 | 374.1 | 378.4 | 385.7 | 391.8 | 392.4 | 383.9 | 366.1 | 352.7 |
| 110° | 366.1 | 366.1 | 366.1 | 368.0 | 372.9 | 379.6 | 385.7 | 385.7 | 376.5 | 358.8 | 346.6 |



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CATALOG NUMBER: ULA-A3-D-U-ASYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 360.0 | 359.4 | 359.4 | 361.2 | 366.1 | 372.9 | 379.0 | 377.7 | 368.6 | 350.9 | 338.6 |
| 115° | 352.7 | 352.7 | 352.1 | 353.9 | 359.4 | 365.5 | 371.0 | 369.2 | 360.6 | 342.3 | 330.1 |
| 117.5° | 345.4 | 344.7 | 344.7 | 346.6 | 351.5 | 358.2 | 363.1 | 361.2 | 351.5 | 333.7 | 321.5 |
| 120° | 337.4 | 336.8 | 336.2 | 338.0 | 343.5 | 349.6 | 353.9 | 351.5 | 341.1 | 324.0 | 312.3 |
| 122.5° | 328.2 | 327.6 | 327.6 | 329.5 | 335.0 | 341.1 | 344.7 | 341.1 | 331.9 | 314.2 | 302.6 |
| 125° | 318.5 | 319.1 | 318.5 | 320.3 | 325.2 | 331.9 | 335.0 | 331.3 | 321.5 | 303.8 | 292.2 |
| 127.5° | 308.7 | 308.7 | 308.1 | 310.5 | 315.4 | 321.5 | 324.6 | 320.3 | 310.5 | 292.8 | 281.8 |
| 130° | 298.3 | 298.3 | 297.7 | 300.1 | 305.0 | 310.5 | 312.3 | 308.1 | 298.3 | 281.2 | 270.2 |
| 132.5° | 286.7 | 287.3 | 287.3 | 289.7 | 294.0 | 298.3 | 300.7 | 295.8 | 286.1 | 269.6 | 258.6 |
| 135° | 275.7 | 275.1 | 275.7 | 277.5 | 282.4 | 286.1 | 286.7 | 282.4 | 273.2 | 256.7 | 246.3 |
| 137.5° | 262.8 | 263.4 | 263.4 | 265.3 | 269.6 | 273.2 | 273.8 | 268.9 | 259.8 | 243.9 | 233.5 |
| 140° | 250.6 | 250.6 | 251.8 | 253.1 | 256.1 | 259.2 | 259.2 | 254.3 | 245.7 | 229.8 | 220.0 |
| 142.5° | 237.8 | 237.8 | 238.4 | 240.8 | 243.3 | 245.1 | 244.5 | 239.6 | 231.1 | 215.8 | 207.2 |
| 145° | 225.5 | 225.5 | 226.2 | 228.0 | 229.8 | 231.1 | 229.8 | 225.5 | 217.0 | 201.7 | 193.8 |
| 147.5° | 213.9 | 213.3 | 214.5 | 215.8 | 217.0 | 217.6 | 216.4 | 211.5 | 202.3 | 189.5 | 180.9 |
| 150° | 201.7 | 201.7 | 201.7 | 203.5 | 204.2 | 204.2 | 202.3 | 197.4 | 188.9 | 176.0 | 168.7 |
| 152.5° | 189.5 | 188.9 | 189.5 | 190.1 | 190.7 | 190.1 | 187.7 | 182.8 | 174.8 | 163.2 | 156.5 |
| 155° | 176.6 | 176.6 | 177.3 | 177.3 | 177.3 | 176.6 | 174.2 | 168.7 | 161.4 | 151.0 | 143.0 |
| 157.5° | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 163.2 | 160.1 | 155.3 | 146.7 | 137.5 | 132.6 |
| 160° | 152.2 | 152.2 | 151.6 | 151.0 | 150.4 | 147.9 | 145.5 | 140.6 | 134.5 | 126.5 | 122.2 |
| 162.5° | 138.8 | 138.1 | 138.1 | 137.5 | 136.9 | 135.1 | 132.0 | 127.8 | 122.2 | 115.5 | 111.9 |
| 165° | 126.5 | 125.9 | 125.3 | 125.3 | 124.1 | 122.2 | 119.8 | 116.1 | 111.2 | 105.1 | 102.1 |
| 167.5° | 115.5 | 114.9 | 114.3 | 114.3 | 113.1 | 110.6 | 108.2 | 105.1 | 100.9 | 96.0 | 93.5 |
| 170° | 105.7 | 105.1 | 104.5 | 103.9 | 102.7 | 100.9 | 98.4 | 95.4 | 92.3 | 88.6 | 86.2 |
| 172.5° | 96.0 | 95.4 | 94.7 | 94.7 | 93.5 | 91.7 | 89.9 | 87.4 | 85.0 | 81.9 | 80.7 |
| 175° | 86.8 | 87.4 | 86.8 | 86.2 | 85.6 | 83.7 | 82.5 | 80.7 | 79.5 | 77.6 | 76.4 |
| 177.5° | 79.5 | 80.1 | 80.1 | 79.5 | 78.9 | 77.6 | 77.0 | 75.8 | 75.2 | 74.0 | 73.3 |
| 180° | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |



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CATALOG NUMBER: ULA-A3-D-U-ASYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 2.5° | 35.5 | 33.6 | 32.4 | 30.6 | 28.7 | 27.5 | 26.3 | 25.1 | 24.4 | 24.4 |
| 5° | 36.7 | 34.8 | 32.4 | 30.0 | 28.1 | 25.7 | 24.4 | 23.2 | 22.6 | 22.6 |
| 7.5° | 43.4 | 41.0 | 37.9 | 34.8 | 32.4 | 29.3 | 27.5 | 26.3 | 25.7 | 25.7 |
| 10° | 50.7 | 47.7 | 44.0 | 40.3 | 37.3 | 34.2 | 31.8 | 30.0 | 29.3 | 29.3 |
| 12.5° | 59.3 | 55.0 | 50.7 | 45.8 | 42.2 | 37.9 | 35.5 | 33.6 | 33.0 | 32.4 |
| 15° | 68.5 | 63.0 | 57.5 | 51.3 | 46.5 | 42.2 | 38.5 | 36.1 | 35.5 | 35.5 |
| 17.5° | 78.2 | 70.9 | 64.2 | 56.8 | 50.7 | 44.6 | 41.0 | 37.9 | 36.7 | 36.7 |
| 20° | 88.6 | 80.1 | 70.9 | 62.3 | 54.4 | 47.7 | 42.2 | 39.1 | 37.3 | 37.3 |
| 22.5° | 100.9 | 90.5 | 78.9 | 68.5 | 59.3 | 50.7 | 44.0 | 39.7 | 37.9 | 37.3 |
| 25° | 113.7 | 100.9 | 88.0 | 75.8 | 64.2 | 53.8 | 46.5 | 41.6 | 38.5 | 38.5 |
| 27.5° | 127.8 | 113.1 | 97.8 | 83.1 | 69.1 | 57.5 | 48.3 | 42.8 | 39.7 | 39.1 |
| 30° | 143.0 | 125.9 | 108.2 | 90.5 | 74.6 | 61.1 | 50.7 | 44.0 | 41.0 | 40.3 |
| 32.5° | 157.7 | 138.1 | 118.0 | 98.4 | 80.1 | 64.2 | 53.2 | 45.8 | 42.2 | 41.6 |
| 35° | 173.6 | 151.6 | 128.4 | 106.4 | 85.6 | 67.8 | 55.0 | 47.1 | 43.4 | 42.8 |
| 37.5° | 188.3 | 164.4 | 138.1 | 113.7 | 91.1 | 71.5 | 57.5 | 48.9 | 44.6 | 44.0 |
| 40° | 202.3 | 177.3 | 149.1 | 121.6 | 96.6 | 75.2 | 59.9 | 50.7 | 45.8 | 45.2 |
| 42.5° | 215.8 | 189.5 | 159.5 | 129.0 | 101.5 | 78.9 | 62.3 | 52.6 | 47.7 | 47.1 |
| 45° | 229.2 | 200.5 | 169.3 | 136.3 | 107.0 | 81.9 | 64.8 | 53.8 | 49.5 | 48.3 |
| 47.5° | 241.4 | 211.5 | 178.5 | 143.6 | 111.9 | 85.6 | 66.6 | 55.6 | 50.7 | 50.1 |
| 50° | 253.1 | 222.5 | 187.0 | 151.0 | 116.7 | 88.6 | 69.1 | 57.5 | 52.6 | 52.0 |
| 52.5° | 264.1 | 232.3 | 196.2 | 158.3 | 121.0 | 91.7 | 71.5 | 59.3 | 54.4 | 53.8 |
| 55° | 274.4 | 242.1 | 204.2 | 164.4 | 125.9 | 94.7 | 73.3 | 61.7 | 56.2 | 55.6 |
| 57.5° | 285.5 | 251.2 | 212.1 | 171.1 | 130.2 | 97.8 | 75.8 | 63.6 | 58.1 | 57.5 |
| 60° | 294.0 | 259.8 | 219.4 | 176.6 | 134.5 | 100.9 | 78.2 | 65.4 | 59.9 | 59.3 |
| 62.5° | 303.8 | 267.7 | 226.8 | 182.8 | 138.8 | 103.9 | 80.7 | 67.8 | 62.3 | 61.7 |
| 65° | 311.7 | 275.7 | 233.5 | 188.3 | 142.4 | 106.4 | 82.5 | 69.7 | 64.2 | 63.6 |
| 67.5° | 320.3 | 283.6 | 240.2 | 193.8 | 146.7 | 109.4 | 85.0 | 72.1 | 66.6 | 66.0 |
| 70° | 327.6 | 290.3 | 246.3 | 198.7 | 151.0 | 112.5 | 87.4 | 74.0 | 69.1 | 67.8 |
| 72.5° | 334.4 | 297.7 | 252.4 | 203.5 | 155.9 | 114.9 | 89.9 | 76.4 | 70.9 | 70.3 |
| 75° | 340.5 | 303.2 | 257.9 | 207.8 | 158.9 | 117.4 | 91.7 | 78.2 | 73.3 | 72.1 |
| 77.5° | 346.6 | 308.7 | 262.8 | 212.1 | 162.0 | 120.4 | 94.1 | 80.7 | 75.2 | 74.6 |
| 80° | 351.5 | 313.0 | 267.1 | 215.2 | 164.4 | 122.2 | 96.0 | 82.5 | 77.0 | 76.4 |
| 82.5° | 355.1 | 316.6 | 270.8 | 218.2 | 166.9 | 124.1 | 97.2 | 83.7 | 78.2 | 77.6 |
| 85° | 358.2 | 319.7 | 273.2 | 220.7 | 169.3 | 125.3 | 99.0 | 85.0 | 79.5 | 78.9 |
| 87.5° | 360.6 | 321.5 | 275.1 | 222.5 | 169.9 | 126.5 | 99.6 | 86.2 | 80.7 | 80.1 |
| 90° | 361.9 | 322.7 | 276.3 | 223.1 | 171.1 | 127.1 | 100.2 | 86.8 | 81.3 | 80.7 |
| 92.5° | 361.2 | 322.7 | 276.3 | 223.7 | 171.8 | 127.8 | 100.9 | 86.8 | 81.3 | 80.7 |
| 95° | 360.6 | 322.1 | 275.7 | 223.1 | 171.1 | 127.8 | 100.9 | 86.8 | 81.3 | 80.7 |
| 97.5° | 358.2 | 320.3 | 274.4 | 221.9 | 170.5 | 127.1 | 99.6 | 86.2 | 80.7 | 80.1 |
| 100° | 355.1 | 316.6 | 272.0 | 220.0 | 169.3 | 125.9 | 99.0 | 85.0 | 79.5 | 78.9 |
| 102.5° | 350.2 | 313.0 | 268.3 | 217.6 | 166.9 | 124.1 | 97.2 | 83.7 | 78.2 | 77.6 |
| 105° | 344.7 | 308.1 | 264.1 | 213.9 | 164.4 | 122.2 | 95.4 | 81.9 | 76.4 | 75.8 |
| 107.5° | 339.2 | 301.3 | 258.6 | 209.7 | 161.4 | 119.8 | 93.5 | 80.1 | 74.6 | 74.0 |
| 110° | 331.9 | 295.2 | 253.1 | 205.4 | 157.7 | 116.7 | 91.1 | 77.6 | 72.7 | 71.5 |



REPORT NUMBER: P256770

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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 112.5° | 324.0 | 288.5 | 246.9 | 199.9 | 154.0 | 114.3 | 89.2 | 75.8 | 70.3 | 69.7 |
| 115° | 316.0 | 280.6 | 240.2 | 195.0 | 148.5 | 111.2 | 86.8 | 74.0 | 68.5 | 67.8 |
| 117.5° | 307.5 | 272.6 | 232.9 | 188.9 | 144.3 | 108.2 | 84.4 | 71.5 | 66.0 | 65.4 |
| 120° | 298.3 | 264.7 | 225.5 | 182.8 | 140.0 | 105.1 | 81.9 | 69.7 | 64.2 | 63.6 |
| 122.5° | 289.1 | 256.1 | 218.2 | 177.3 | 135.7 | 102.1 | 80.1 | 67.2 | 62.3 | 61.1 |
| 125° | 279.3 | 246.9 | 210.3 | 170.5 | 131.4 | 99.6 | 77.6 | 65.4 | 60.5 | 59.9 |
| 127.5° | 268.9 | 237.2 | 201.7 | 163.8 | 126.5 | 96.6 | 75.8 | 64.2 | 58.7 | 58.1 |
| 130° | 257.9 | 228.0 | 193.8 | 157.7 | 122.2 | 93.5 | 74.0 | 62.3 | 56.8 | 56.2 |
| 132.5° | 246.3 | 217.6 | 185.2 | 149.8 | 117.4 | 90.5 | 71.5 | 60.5 | 55.6 | 55.0 |
| 135° | 234.1 | 207.2 | 176.0 | 142.4 | 112.5 | 87.4 | 69.7 | 59.3 | 54.4 | 53.8 |
| 137.5° | 222.5 | 196.2 | 167.5 | 135.7 | 108.2 | 85.0 | 68.5 | 58.1 | 53.8 | 53.2 |
| 140° | 209.0 | 184.6 | 157.7 | 129.0 | 103.3 | 81.9 | 66.6 | 56.8 | 52.6 | 52.0 |
| 142.5° | 196.2 | 173.6 | 147.3 | 122.2 | 99.0 | 79.5 | 65.4 | 56.2 | 52.0 | 51.3 |
| 145° | 184.0 | 162.6 | 138.8 | 116.1 | 94.7 | 77.0 | 63.6 | 55.6 | 52.0 | 51.3 |
| 147.5° | 172.4 | 152.8 | 130.8 | 110.0 | 90.5 | 74.6 | 62.3 | 55.0 | 51.3 | 50.7 |
| 150° | 160.8 | 141.2 | 122.2 | 103.9 | 86.8 | 72.1 | 61.7 | 54.4 | 51.3 | 50.7 |
| 152.5° | 147.3 | 131.4 | 114.9 | 98.4 | 83.1 | 70.3 | 60.5 | 54.4 | 51.3 | 51.3 |
| 155° | 136.9 | 122.2 | 107.6 | 92.9 | 80.1 | 69.1 | 60.5 | 55.0 | 52.0 | 52.0 |
| 157.5° | 126.5 | 114.3 | 101.5 | 88.6 | 77.6 | 67.8 | 60.5 | 55.6 | 53.2 | 53.2 |
| 160° | 116.7 | 106.4 | 95.4 | 85.0 | 75.2 | 67.2 | 60.5 | 56.2 | 54.4 | 53.8 |
| 162.5° | 107.6 | 98.4 | 89.2 | 80.7 | 72.7 | 66.0 | 60.5 | 56.8 | 55.0 | 55.0 |
| 165° | 98.4 | 91.1 | 83.7 | 77.0 | 70.9 | 64.8 | 60.5 | 58.1 | 56.2 | 56.2 |
| 167.5° | 90.5 | 85.0 | 79.5 | 74.0 | 69.1 | 64.8 | 61.1 | 58.7 | 58.1 | 57.5 |
| 170° | 84.4 | 80.1 | 75.8 | 71.5 | 67.8 | 64.2 | 61.7 | 60.5 | 59.3 | 59.3 |
| 172.5° | 78.9 | 75.8 | 72.7 | 69.7 | 67.2 | 64.8 | 63.6 | 62.3 | 61.7 | 61.7 |
| 175° | 75.2 | 73.3 | 71.5 | 69.7 | 68.5 | 66.6 | 66.0 | 65.4 | 64.8 | 64.8 |
| 177.5° | 73.3 | 72.1 | 71.5 | 70.9 | 70.3 | 69.7 | 69.7 | 69.1 | 69.1 | 69.1 |
| 180° | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |

(END OF REPORT)