

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: P274489

Luminaire Tested: **ULA-A8-D-U-SYM-VMx-7027-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-729-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ULA-A8-D-U-SYM-VMx-7027-BK
Description: UTILITY LIGHT ACORN TYPE V SYMMETRIC
Light Source: (180) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7729.3 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U5 - G3

Input Watts (W): 56.2
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

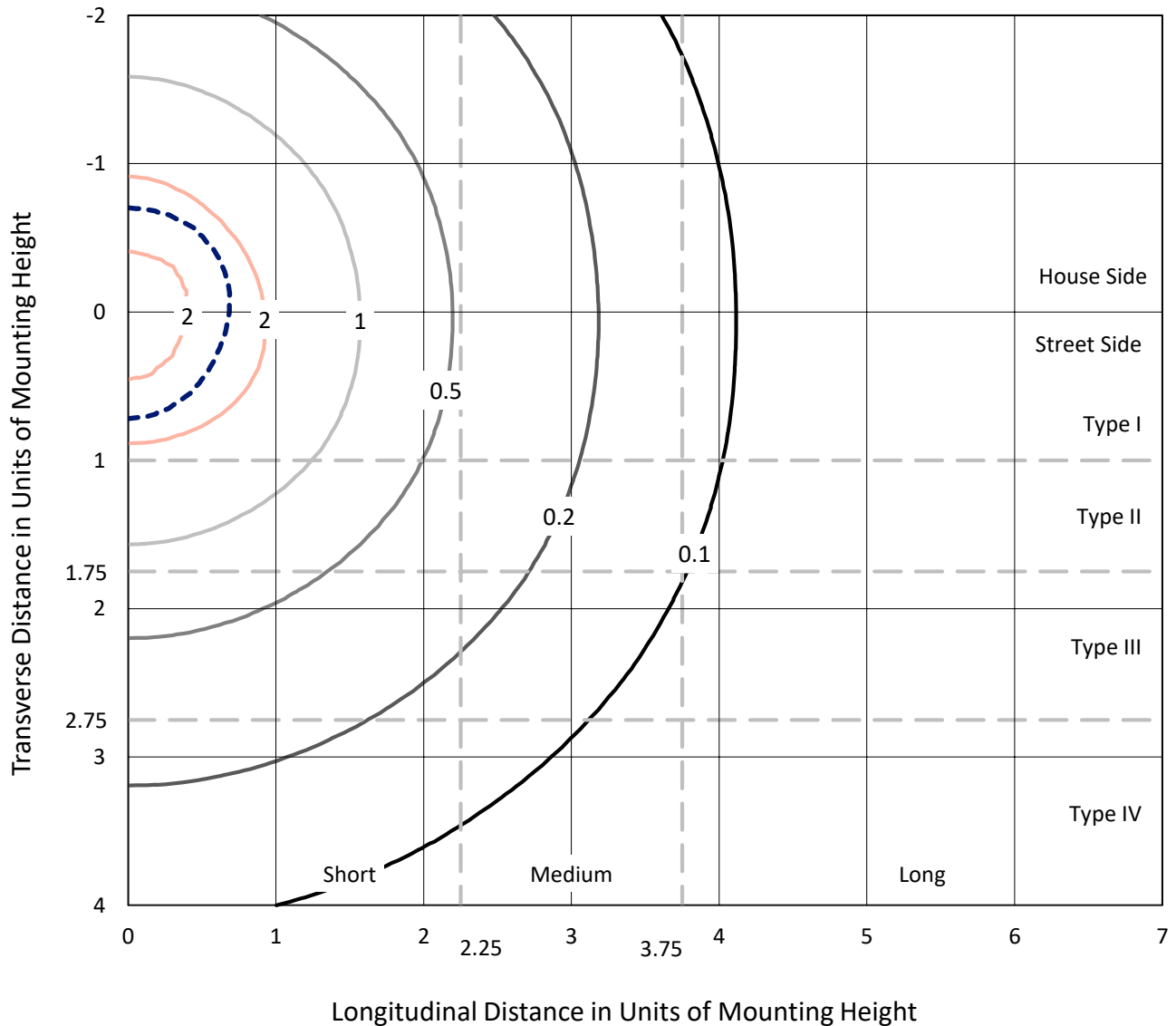


REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

Iso-Footcandle Lines of Horizontal Illumination

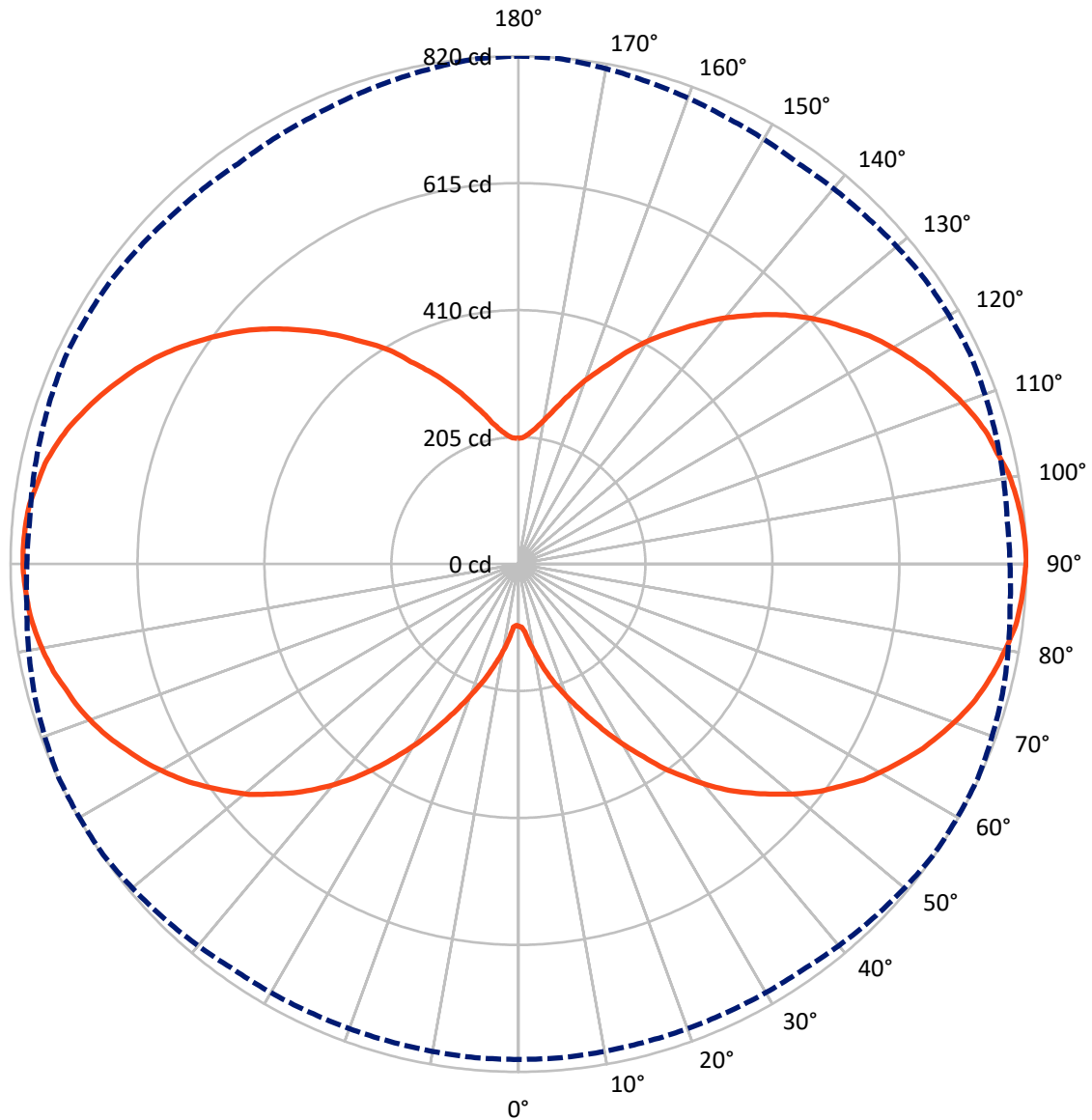
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P274489
CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical



REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

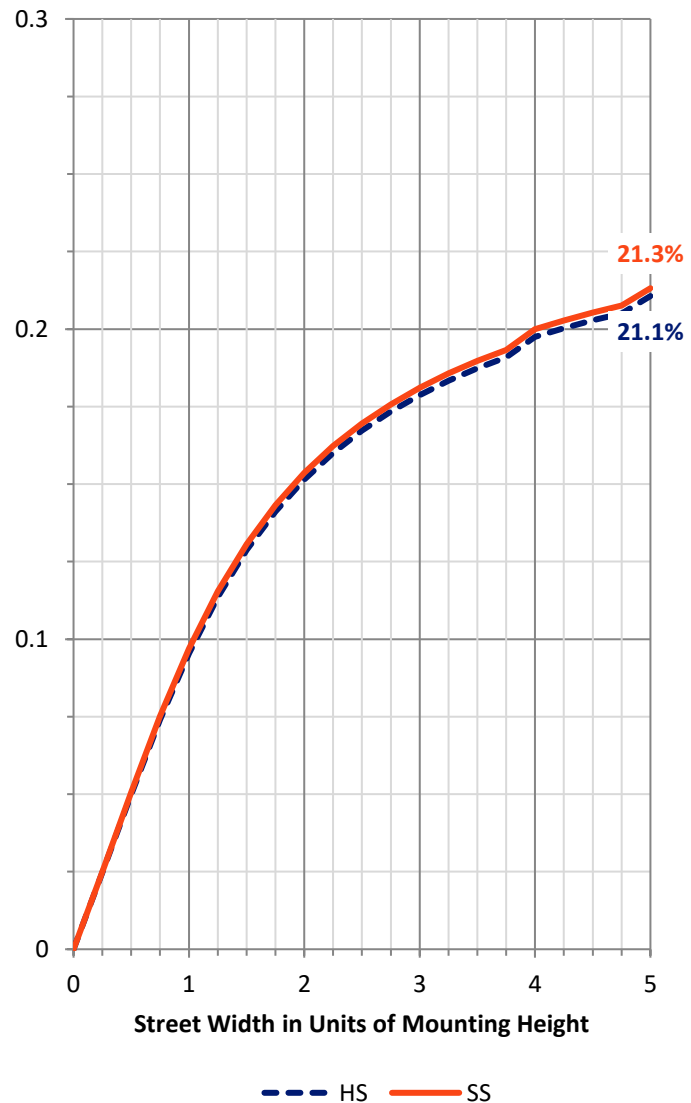
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1884.2 | 1959.6 | 3843.8 |
| | % Fixture | 24.4 | 25.4 | 49.7 |
| Street Side | Lumens | 1909.7 | 1975.8 | 3885.4 |
| | % Fixture | 24.7 | 25.6 | 50.3 |
| Total | Lumens | 3793.9 | 3935.4 | 7729.3 |
| | % Fixture | 49.1 | 50.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.4 | 0.1 |
| 10°-20° | 53.7 | 0.7 |
| 20°-30° | 132.6 | 1.7 |
| 30°-40° | 257.0 | 3.3 |
| 40°-50° | 408.0 | 5.3 |
| 50°-60° | 560.5 | 7.3 |
| 60°-70° | 697.6 | 9.0 |
| 70°-80° | 805.6 | 10.4 |
| 80°-90° | 867.5 | 11.2 |
| 90°-100° | 871.6 | 11.3 |
| 100°-110° | 814.3 | 10.5 |
| 110°-120° | 707.5 | 9.2 |
| 120°-130° | 573.2 | 7.4 |
| 130°-140° | 425.6 | 5.5 |
| 140°-150° | 282.6 | 3.7 |
| 150°-160° | 163.3 | 2.1 |
| 160°-170° | 76.5 | 1.0 |
| 170°-180° | 20.7 | 0.3 |
| 0°-90° | 3793.9 | 49.1 |
| 0°-180° | 7729.3 | 100.0 |



REPORT NUMBER: P274489

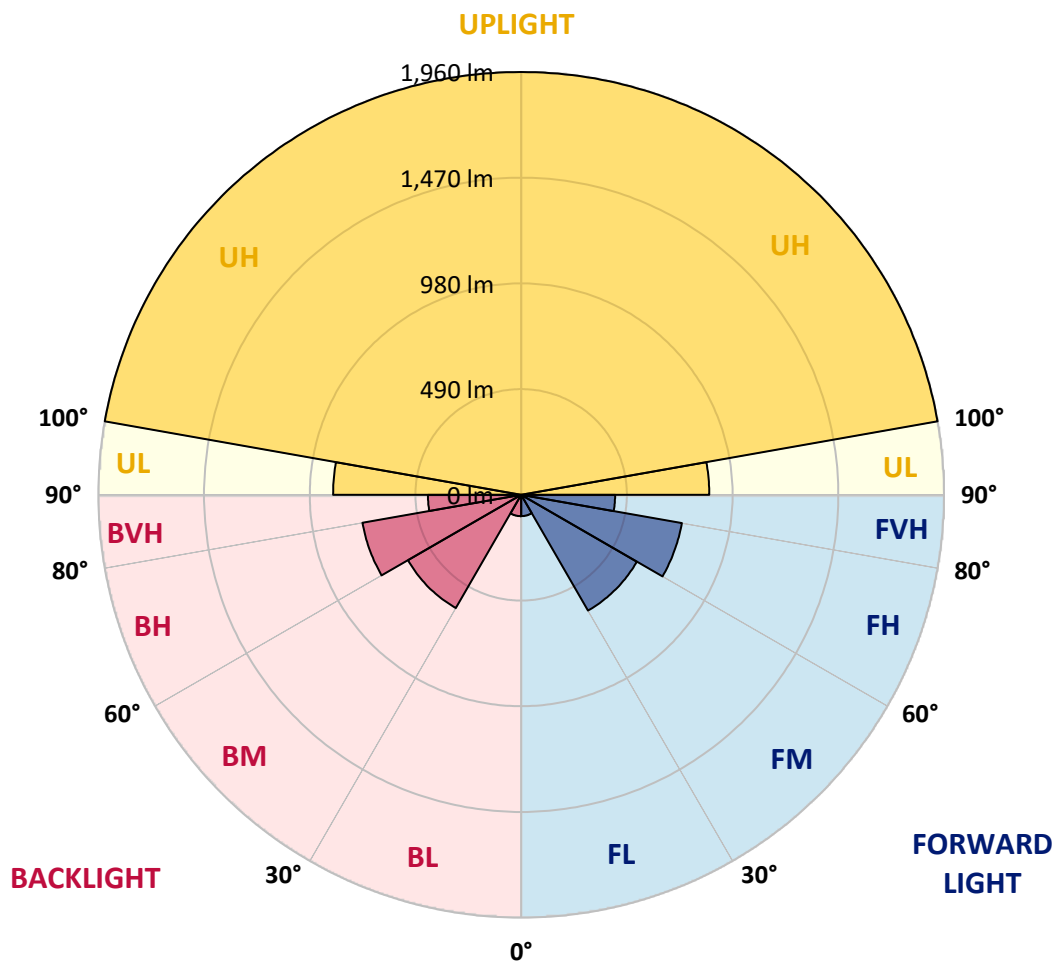
CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 98.7 | 1.3 | | | |
| FM (30°-60°) | 619.4 | 8.0 | | | |
| FH (60°-80°) | 756.3 | 9.8 | | | G1/1800 |
| FVH (80°-90°) | 435.4 | 5.6 | | | G3/500 |
| BL (0°-30°) | 99.1 | 1.3 | B0/110 | | |
| BM (30°-60°) | 606.0 | 7.8 | B1/1000 | | |
| BH (60°-80°) | 746.9 | 9.7 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 432.2 | 5.6 | | | G3/500 |
| UL (90°-100°) | 871.6 | 11.3 | | U4/1000 | |
| UH (100°-180°) | 1959.6 | 25.4 | | U5 | |

BUG Rating: B2-U5-G3

Type V Short





REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 |
| 2.5° | 99.0 | 99.0 | 99.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 99.0 | 99.0 |
| 5° | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 103.6 | 105.2 | 105.2 | 106.7 |
| 7.5° | 120.6 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 120.6 | 122.2 | 123.7 | 123.7 |
| 10° | 139.2 | 137.6 | 137.6 | 139.2 | 139.2 | 140.7 | 139.2 | 142.3 | 142.3 | 143.8 | 145.4 |
| 12.5° | 157.7 | 156.2 | 157.7 | 159.3 | 160.8 | 160.8 | 162.4 | 163.9 | 163.9 | 165.5 | 165.5 |
| 15° | 177.8 | 176.3 | 177.8 | 179.4 | 180.9 | 182.5 | 184.0 | 185.6 | 187.1 | 187.1 | 185.6 |
| 17.5° | 199.5 | 197.9 | 199.5 | 201.0 | 202.6 | 204.1 | 207.2 | 208.8 | 208.8 | 208.8 | 208.8 |
| 20° | 221.1 | 219.6 | 221.1 | 224.2 | 225.8 | 227.3 | 232.0 | 233.5 | 232.0 | 232.0 | 230.4 |
| 22.5° | 245.9 | 244.3 | 245.9 | 249.0 | 253.6 | 255.2 | 258.2 | 259.8 | 258.2 | 258.2 | 256.7 |
| 25° | 272.2 | 272.2 | 273.7 | 276.8 | 281.4 | 284.5 | 289.2 | 290.7 | 287.6 | 287.6 | 286.1 |
| 27.5° | 301.5 | 301.5 | 303.1 | 307.7 | 310.8 | 315.5 | 321.7 | 321.7 | 320.1 | 318.6 | 317.0 |
| 30° | 332.5 | 330.9 | 334.0 | 338.7 | 343.3 | 347.9 | 354.1 | 357.2 | 355.7 | 351.0 | 347.9 |
| 32.5° | 363.4 | 361.9 | 364.9 | 371.1 | 377.3 | 382.0 | 388.1 | 389.7 | 388.1 | 383.5 | 380.4 |
| 35° | 395.9 | 397.4 | 399.0 | 403.6 | 411.3 | 416.0 | 422.2 | 423.7 | 420.6 | 417.5 | 412.9 |
| 37.5° | 428.4 | 428.4 | 431.4 | 436.1 | 443.8 | 448.5 | 454.6 | 456.2 | 454.6 | 448.5 | 445.4 |
| 40° | 459.3 | 459.3 | 462.4 | 467.0 | 473.2 | 479.4 | 485.6 | 488.7 | 484.0 | 479.4 | 474.7 |
| 42.5° | 488.7 | 488.7 | 491.8 | 494.8 | 501.0 | 508.8 | 514.9 | 518.0 | 514.9 | 507.2 | 502.6 |
| 45° | 518.0 | 518.0 | 521.1 | 524.2 | 530.4 | 536.6 | 544.3 | 545.9 | 541.2 | 533.5 | 530.4 |
| 47.5° | 544.3 | 544.3 | 547.4 | 550.5 | 556.7 | 564.4 | 570.6 | 572.2 | 567.5 | 559.8 | 555.2 |
| 50° | 572.2 | 570.6 | 573.7 | 576.8 | 583.0 | 590.7 | 596.9 | 596.9 | 592.3 | 583.0 | 578.4 |
| 52.5° | 595.4 | 596.9 | 596.9 | 600.0 | 606.2 | 612.4 | 620.1 | 621.7 | 615.5 | 604.6 | 601.5 |
| 55° | 618.6 | 620.1 | 620.1 | 621.7 | 627.8 | 635.6 | 644.8 | 643.3 | 637.1 | 627.8 | 621.7 |
| 57.5° | 641.8 | 641.8 | 643.3 | 643.3 | 647.9 | 657.2 | 666.5 | 664.9 | 658.8 | 647.9 | 643.3 |
| 60° | 661.9 | 661.9 | 661.9 | 664.9 | 668.0 | 675.8 | 685.1 | 686.6 | 677.3 | 666.5 | 661.9 |
| 62.5° | 682.0 | 682.0 | 682.0 | 683.5 | 686.6 | 694.3 | 705.2 | 705.2 | 694.3 | 683.5 | 678.9 |
| 65° | 699.0 | 700.5 | 700.5 | 700.5 | 705.2 | 714.4 | 722.2 | 722.2 | 714.4 | 700.5 | 697.4 |
| 67.5° | 717.5 | 717.5 | 716.0 | 716.0 | 720.6 | 728.4 | 739.2 | 739.2 | 729.9 | 716.0 | 712.9 |
| 70° | 733.0 | 733.0 | 731.4 | 731.4 | 736.1 | 745.4 | 756.2 | 754.6 | 743.8 | 733.0 | 728.4 |
| 72.5° | 746.9 | 748.5 | 745.4 | 745.4 | 750.0 | 759.3 | 770.1 | 768.6 | 757.7 | 745.4 | 742.3 |
| 75° | 757.7 | 760.8 | 757.7 | 756.2 | 760.8 | 770.1 | 780.9 | 780.9 | 770.1 | 756.2 | 753.1 |
| 77.5° | 770.1 | 771.7 | 768.6 | 768.6 | 771.7 | 782.5 | 791.8 | 791.8 | 782.5 | 768.6 | 763.9 |
| 80° | 779.4 | 780.9 | 779.4 | 777.8 | 780.9 | 790.2 | 801.0 | 801.0 | 791.8 | 777.8 | 773.2 |
| 82.5° | 787.1 | 787.1 | 785.6 | 785.6 | 788.7 | 797.9 | 807.2 | 807.2 | 797.9 | 785.6 | 782.5 |
| 85° | 793.3 | 794.8 | 793.3 | 791.8 | 794.8 | 804.1 | 813.4 | 813.4 | 804.1 | 790.2 | 787.1 |
| 87.5° | 796.4 | 797.9 | 796.4 | 796.4 | 797.9 | 807.2 | 816.5 | 814.9 | 807.2 | 793.3 | 790.2 |
| 90° | 799.5 | 799.5 | 797.9 | 797.9 | 799.5 | 808.8 | 818.0 | 818.0 | 808.8 | 796.4 | 793.3 |
| 92.5° | 799.5 | 801.0 | 799.5 | 799.5 | 801.0 | 807.2 | 816.5 | 818.0 | 808.8 | 796.4 | 793.3 |
| 95° | 797.9 | 797.9 | 797.9 | 796.4 | 797.9 | 805.7 | 814.9 | 814.9 | 807.2 | 793.3 | 790.2 |
| 97.5° | 794.8 | 794.8 | 793.3 | 793.3 | 794.8 | 802.6 | 810.3 | 810.3 | 802.6 | 790.2 | 787.1 |
| 100° | 787.1 | 788.7 | 788.7 | 787.1 | 788.7 | 794.8 | 804.1 | 804.1 | 794.8 | 784.0 | 780.9 |
| 102.5° | 780.9 | 779.4 | 779.4 | 779.4 | 779.4 | 785.6 | 794.8 | 793.3 | 785.6 | 774.7 | 771.7 |
| 105° | 770.1 | 770.1 | 768.6 | 768.6 | 770.1 | 776.3 | 785.6 | 784.0 | 774.7 | 763.9 | 760.8 |
| 107.5° | 757.7 | 757.7 | 756.2 | 756.2 | 757.7 | 763.9 | 773.2 | 771.7 | 762.4 | 751.5 | 748.5 |
| 110° | 742.3 | 742.3 | 740.7 | 739.2 | 743.8 | 750.0 | 759.3 | 757.7 | 748.5 | 737.6 | 734.5 |



REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 726.8 | 726.8 | 726.8 | 725.3 | 729.9 | 736.1 | 743.8 | 742.3 | 733.0 | 722.2 | 720.6 |
| 115° | 709.8 | 709.8 | 708.2 | 708.2 | 714.4 | 720.6 | 728.4 | 725.3 | 716.0 | 706.7 | 703.6 |
| 117.5° | 692.8 | 692.8 | 689.7 | 689.7 | 695.9 | 703.6 | 711.3 | 708.2 | 699.0 | 689.7 | 686.6 |
| 120° | 674.2 | 674.2 | 671.1 | 671.1 | 678.9 | 686.6 | 694.3 | 691.2 | 682.0 | 671.1 | 669.6 |
| 122.5° | 654.1 | 654.1 | 651.0 | 652.6 | 660.3 | 668.0 | 675.8 | 672.7 | 663.4 | 654.1 | 651.0 |
| 125° | 632.5 | 632.5 | 630.9 | 632.5 | 640.2 | 647.9 | 655.7 | 652.6 | 643.3 | 635.6 | 630.9 |
| 127.5° | 610.8 | 610.8 | 610.8 | 612.4 | 620.1 | 627.8 | 635.6 | 630.9 | 623.2 | 613.9 | 612.4 |
| 130° | 589.2 | 589.2 | 587.6 | 590.7 | 598.5 | 606.2 | 612.4 | 610.8 | 601.5 | 593.8 | 590.7 |
| 132.5° | 566.0 | 566.0 | 566.0 | 567.5 | 575.3 | 583.0 | 590.7 | 587.6 | 579.9 | 570.6 | 567.5 |
| 135° | 541.2 | 541.2 | 542.8 | 544.3 | 552.1 | 559.8 | 566.0 | 562.9 | 556.7 | 547.4 | 542.8 |
| 137.5° | 516.5 | 518.0 | 518.0 | 521.1 | 527.3 | 535.1 | 539.7 | 538.1 | 530.4 | 522.7 | 519.6 |
| 140° | 491.8 | 491.8 | 493.3 | 496.4 | 502.6 | 508.8 | 511.9 | 510.3 | 505.7 | 497.9 | 493.3 |
| 142.5° | 467.0 | 467.0 | 468.6 | 471.7 | 476.3 | 480.9 | 485.6 | 484.0 | 479.4 | 473.2 | 468.6 |
| 145° | 442.3 | 442.3 | 443.8 | 446.9 | 451.5 | 454.6 | 459.3 | 457.7 | 453.1 | 446.9 | 442.3 |
| 147.5° | 420.6 | 419.1 | 420.6 | 423.7 | 428.4 | 429.9 | 433.0 | 433.0 | 428.4 | 422.2 | 419.1 |
| 150° | 397.4 | 397.4 | 399.0 | 400.5 | 403.6 | 406.7 | 408.2 | 408.2 | 403.6 | 397.4 | 394.3 |
| 152.5° | 369.6 | 369.6 | 371.1 | 375.8 | 377.3 | 382.0 | 383.5 | 380.4 | 377.3 | 369.6 | 368.0 |
| 155° | 347.9 | 347.9 | 347.9 | 351.0 | 352.6 | 354.1 | 355.7 | 354.1 | 351.0 | 346.4 | 344.8 |
| 157.5° | 327.8 | 326.3 | 326.3 | 329.4 | 330.9 | 330.9 | 332.5 | 330.9 | 329.4 | 324.7 | 323.2 |
| 160° | 306.2 | 306.2 | 306.2 | 307.7 | 307.7 | 310.8 | 310.8 | 309.3 | 306.2 | 304.6 | 301.5 |
| 162.5° | 286.1 | 286.1 | 286.1 | 286.1 | 287.6 | 287.6 | 287.6 | 286.1 | 284.5 | 283.0 | 281.4 |
| 165° | 266.0 | 266.0 | 266.0 | 266.0 | 266.0 | 267.5 | 267.5 | 266.0 | 264.4 | 262.9 | 262.9 |
| 167.5° | 249.0 | 249.0 | 247.4 | 247.4 | 249.0 | 249.0 | 249.0 | 247.4 | 247.4 | 245.9 | 245.9 |
| 170° | 232.0 | 233.5 | 233.5 | 232.0 | 232.0 | 232.0 | 232.0 | 232.0 | 232.0 | 230.4 | 230.4 |
| 172.5° | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 218.0 | 218.0 |
| 175° | 210.3 | 210.3 | 210.3 | 208.8 | 210.3 | 210.3 | 210.3 | 208.8 | 208.8 | 208.8 | 208.8 |
| 177.5° | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 |
| 180° | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 |



REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 |
| 2.5° | 99.0 | 99.0 | 100.5 | 100.5 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 |
| 5° | 106.7 | 106.7 | 108.2 | 108.2 | 108.2 | 109.8 | 109.8 | 109.8 | 109.8 | 109.8 |
| 7.5° | 125.3 | 126.8 | 128.4 | 126.8 | 126.8 | 128.4 | 126.8 | 126.8 | 128.4 | 128.4 |
| 10° | 143.8 | 145.4 | 146.9 | 146.9 | 146.9 | 146.9 | 146.9 | 146.9 | 146.9 | 145.4 |
| 12.5° | 165.5 | 165.5 | 165.5 | 167.0 | 167.0 | 167.0 | 167.0 | 167.0 | 168.6 | 167.0 |
| 15° | 185.6 | 185.6 | 185.6 | 187.1 | 187.1 | 187.1 | 187.1 | 188.7 | 190.2 | 188.7 |
| 17.5° | 207.2 | 207.2 | 207.2 | 207.2 | 207.2 | 207.2 | 208.8 | 210.3 | 211.9 | 210.3 |
| 20° | 230.4 | 230.4 | 228.9 | 228.9 | 228.9 | 228.9 | 230.4 | 232.0 | 232.0 | 232.0 |
| 22.5° | 256.7 | 253.6 | 253.6 | 252.1 | 252.1 | 253.6 | 255.2 | 256.7 | 256.7 | 255.2 |
| 25° | 284.5 | 281.4 | 278.4 | 279.9 | 278.4 | 279.9 | 281.4 | 283.0 | 283.0 | 281.4 |
| 27.5° | 313.9 | 310.8 | 307.7 | 307.7 | 306.2 | 307.7 | 307.7 | 310.8 | 312.4 | 310.8 |
| 30° | 344.8 | 341.8 | 337.1 | 337.1 | 335.6 | 335.6 | 338.7 | 340.2 | 341.8 | 340.2 |
| 32.5° | 377.3 | 371.1 | 369.6 | 368.0 | 364.9 | 364.9 | 368.0 | 369.6 | 372.7 | 371.1 |
| 35° | 411.3 | 406.7 | 400.5 | 397.4 | 397.4 | 399.0 | 400.5 | 402.1 | 406.7 | 405.2 |
| 37.5° | 442.3 | 436.1 | 431.4 | 428.4 | 428.4 | 428.4 | 433.0 | 434.5 | 437.6 | 436.1 |
| 40° | 471.7 | 465.5 | 460.8 | 457.7 | 457.7 | 457.7 | 462.4 | 463.9 | 468.6 | 468.6 |
| 42.5° | 499.5 | 493.3 | 491.8 | 487.1 | 485.6 | 487.1 | 490.2 | 494.8 | 499.5 | 499.5 |
| 45° | 525.8 | 521.1 | 518.0 | 514.9 | 513.4 | 514.9 | 518.0 | 524.2 | 528.9 | 527.3 |
| 47.5° | 552.1 | 547.4 | 544.3 | 541.2 | 539.7 | 539.7 | 544.3 | 550.5 | 556.7 | 555.2 |
| 50° | 576.8 | 572.2 | 569.1 | 567.5 | 566.0 | 566.0 | 570.6 | 576.8 | 584.5 | 583.0 |
| 52.5° | 598.5 | 595.4 | 593.8 | 592.3 | 589.2 | 589.2 | 593.8 | 601.5 | 607.7 | 609.3 |
| 55° | 620.1 | 617.0 | 617.0 | 613.9 | 612.4 | 612.4 | 617.0 | 624.7 | 630.9 | 632.5 |
| 57.5° | 641.8 | 638.7 | 640.2 | 637.1 | 634.0 | 632.5 | 638.7 | 647.9 | 654.1 | 657.2 |
| 60° | 660.3 | 658.8 | 658.8 | 657.2 | 654.1 | 652.6 | 658.8 | 668.0 | 675.8 | 677.3 |
| 62.5° | 678.9 | 677.3 | 678.9 | 677.3 | 672.7 | 671.1 | 677.3 | 686.6 | 695.9 | 697.4 |
| 65° | 695.9 | 694.3 | 699.0 | 695.9 | 691.2 | 689.7 | 695.9 | 706.7 | 716.0 | 717.5 |
| 67.5° | 711.3 | 711.3 | 714.4 | 712.9 | 706.7 | 705.2 | 711.3 | 722.2 | 733.0 | 734.5 |
| 70° | 726.8 | 728.4 | 733.0 | 729.9 | 723.7 | 722.2 | 726.8 | 739.2 | 750.0 | 751.5 |
| 72.5° | 739.2 | 742.3 | 748.5 | 745.4 | 737.6 | 734.5 | 742.3 | 754.6 | 765.5 | 767.0 |
| 75° | 753.1 | 754.6 | 759.3 | 757.7 | 751.5 | 746.9 | 754.6 | 767.0 | 777.8 | 779.4 |
| 77.5° | 763.9 | 767.0 | 773.2 | 770.1 | 762.4 | 759.3 | 767.0 | 779.4 | 790.2 | 790.2 |
| 80° | 773.2 | 777.8 | 782.5 | 780.9 | 773.2 | 768.6 | 776.3 | 788.7 | 799.5 | 799.5 |
| 82.5° | 780.9 | 785.6 | 790.2 | 788.7 | 780.9 | 776.3 | 782.5 | 794.8 | 807.2 | 808.8 |
| 85° | 787.1 | 791.8 | 797.9 | 796.4 | 787.1 | 782.5 | 788.7 | 802.6 | 811.9 | 813.4 |
| 87.5° | 788.7 | 794.8 | 802.6 | 797.9 | 791.8 | 785.6 | 793.3 | 804.1 | 814.9 | 816.5 |
| 90° | 791.8 | 797.9 | 804.1 | 801.0 | 793.3 | 788.7 | 794.8 | 805.7 | 818.0 | 819.6 |
| 92.5° | 791.8 | 797.9 | 804.1 | 802.6 | 794.8 | 788.7 | 794.8 | 807.2 | 816.5 | 818.0 |
| 95° | 790.2 | 796.4 | 802.6 | 801.0 | 791.8 | 787.1 | 793.3 | 804.1 | 814.9 | 814.9 |
| 97.5° | 785.6 | 791.8 | 797.9 | 796.4 | 788.7 | 782.5 | 788.7 | 799.5 | 810.3 | 810.3 |
| 100° | 779.4 | 785.6 | 793.3 | 791.8 | 782.5 | 777.8 | 782.5 | 794.8 | 804.1 | 804.1 |
| 102.5° | 770.1 | 776.3 | 784.0 | 782.5 | 774.7 | 768.6 | 773.2 | 785.6 | 793.3 | 793.3 |
| 105° | 760.8 | 765.5 | 773.2 | 771.7 | 763.9 | 757.7 | 763.9 | 774.7 | 784.0 | 785.6 |
| 107.5° | 748.5 | 753.1 | 760.8 | 760.8 | 753.1 | 746.9 | 751.5 | 763.9 | 771.7 | 773.2 |
| 110° | 734.5 | 739.2 | 745.4 | 745.4 | 739.2 | 733.0 | 737.6 | 748.5 | 759.3 | 759.3 |



REPORT NUMBER: P274489

CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 719.1 | 723.7 | 729.9 | 729.9 | 722.2 | 717.5 | 722.2 | 734.5 | 743.8 | 743.8 |
| 115° | 703.6 | 706.7 | 712.9 | 712.9 | 706.7 | 702.1 | 708.2 | 719.1 | 728.4 | 728.4 |
| 117.5° | 686.6 | 689.7 | 694.3 | 695.9 | 689.7 | 685.1 | 691.2 | 700.5 | 711.3 | 711.3 |
| 120° | 668.0 | 671.1 | 675.8 | 675.8 | 671.1 | 668.0 | 672.7 | 683.5 | 692.8 | 694.3 |
| 122.5° | 651.0 | 652.6 | 655.7 | 655.7 | 651.0 | 649.5 | 654.1 | 666.5 | 674.2 | 675.8 |
| 125° | 630.9 | 630.9 | 635.6 | 634.0 | 630.9 | 629.4 | 635.6 | 644.8 | 654.1 | 654.1 |
| 127.5° | 610.8 | 610.8 | 612.4 | 612.4 | 609.3 | 607.7 | 615.5 | 624.7 | 632.5 | 634.0 |
| 130° | 589.2 | 587.6 | 589.2 | 589.2 | 587.6 | 587.6 | 593.8 | 603.1 | 610.8 | 612.4 |
| 132.5° | 566.0 | 564.4 | 564.4 | 564.4 | 564.4 | 564.4 | 570.6 | 579.9 | 587.6 | 589.2 |
| 135° | 541.2 | 539.7 | 539.7 | 539.7 | 538.1 | 541.2 | 547.4 | 555.2 | 562.9 | 564.4 |
| 137.5° | 518.0 | 514.9 | 514.9 | 513.4 | 514.9 | 518.0 | 522.7 | 530.4 | 538.1 | 538.1 |
| 140° | 491.8 | 487.1 | 487.1 | 487.1 | 490.2 | 493.3 | 497.9 | 505.7 | 511.9 | 513.4 |
| 142.5° | 467.0 | 462.4 | 460.8 | 462.4 | 463.9 | 467.0 | 473.2 | 480.9 | 485.6 | 485.6 |
| 145° | 440.7 | 436.1 | 434.5 | 436.1 | 439.2 | 443.8 | 448.5 | 454.6 | 459.3 | 459.3 |
| 147.5° | 417.5 | 412.9 | 411.3 | 411.3 | 416.0 | 420.6 | 425.3 | 431.4 | 434.5 | 434.5 |
| 150° | 392.8 | 388.1 | 386.6 | 388.1 | 392.8 | 395.9 | 402.1 | 406.7 | 409.8 | 409.8 |
| 152.5° | 366.5 | 361.9 | 360.3 | 361.9 | 364.9 | 369.6 | 375.8 | 380.4 | 385.1 | 383.5 |
| 155° | 343.3 | 338.7 | 337.1 | 338.7 | 341.8 | 346.4 | 349.5 | 354.1 | 357.2 | 355.7 |
| 157.5° | 321.7 | 318.6 | 317.0 | 318.6 | 321.7 | 324.7 | 327.8 | 330.9 | 334.0 | 332.5 |
| 160° | 301.5 | 298.5 | 298.5 | 298.5 | 300.0 | 304.6 | 306.2 | 309.3 | 310.8 | 310.8 |
| 162.5° | 281.4 | 278.4 | 278.4 | 279.9 | 281.4 | 284.5 | 286.1 | 287.6 | 287.6 | 287.6 |
| 165° | 262.9 | 259.8 | 259.8 | 261.3 | 261.3 | 264.4 | 264.4 | 266.0 | 267.5 | 266.0 |
| 167.5° | 245.9 | 244.3 | 242.8 | 244.3 | 245.9 | 247.4 | 247.4 | 247.4 | 249.0 | 247.4 |
| 170° | 230.4 | 230.4 | 228.9 | 228.9 | 230.4 | 232.0 | 232.0 | 232.0 | 232.0 | 232.0 |
| 172.5° | 218.0 | 218.0 | 218.0 | 218.0 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 | 219.6 |
| 175° | 208.8 | 208.8 | 208.8 | 208.8 | 210.3 | 210.3 | 210.3 | 210.3 | 210.3 | 210.3 |
| 177.5° | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 | 204.1 |
| 180° | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 | 202.6 |

(END OF REPORT)