

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-835U-L10-835D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-W_(V18)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-06

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L10-835U-L10-835D-xxx-DIM-UNV-M-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] CYLINDER WITH MEDIUM DIST.

[LAMPCAT] BL VERO

[LAMP] LED

[OTHER] Absolute Photometry

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

| | |
|---|-------------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1972 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 98 |
| Total Luminaire Watts | 20.2 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Maximum Candela | 2063.713 |
| Maximum Candela Angle | 360H 0V |
| Maximum Candela (<90 Degrees Vertical) | 2063.713 |
| Maximum Candela Angle (<90 Degrees Vertical) | 360H 0V |
| Maximum Candela At 90 Degrees Vertical | .148 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1.678 (0.1% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L10-835U-L10-835D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 410.8 | N.A. | 20.8 |
| FM - Front-Medium (30-60) | 76.7 | N.A. | 3.9 |
| FH - Front-High (60-80) | 5.1 | N.A. | 0.3 |
| FVH - Front-Very High (80-90) | 0.3 | N.A. | 0.0 |
| BL - Back-Low (0-30) | 410.8 | N.A. | 20.8 |
| BM - Back-Medium (30-60) | 76.7 | N.A. | 3.9 |
| BH - Back-High (60-80) | 5.1 | N.A. | 0.3 |
| BVH - Back-Very High (80-90) | 0.3 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.7 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 985.3 | N.A. | 50.0 |
| Total | 1971.8 | N.A. | 100.0 |
| BUG Rating | B1-U4-G0 | | |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-835U-L10-835D-XXX-DIM-UNV-M-XX_.IES

CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | |
|-----------------|-------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| | <u>0</u> | <u>45</u> | <u>90</u> | <u>135</u> | <u>180</u> | <u>225</u> | <u>270</u> | <u>315</u> | <u>360</u> |
| 0 | 2063.713 | 2063.713 | 2063.713 | 2063.713 | 2063.713 | 2063.713 | 2063.713 | 2063.713 | 2063.713 |
| 5 | 2050.703 | 2037.528 | 2023.750 | 2037.528 | 2050.703 | 2037.528 | 2023.750 | 2037.528 | 2050.703 |
| 10 | 1788.349 | 1777.005 | 1761.187 | 1777.005 | 1788.349 | 1777.005 | 1761.187 | 1777.005 | 1788.349 |
| 15 | 1304.547 | 1313.013 | 1312.374 | 1313.013 | 1304.547 | 1313.013 | 1312.374 | 1313.013 | 1304.547 |
| 20 | 858.788 | 864.921 | 868.952 | 864.921 | 858.788 | 864.921 | 868.952 | 864.921 | 858.788 |
| 25 | 575.621 | 577.315 | 580.017 | 577.315 | 575.621 | 577.315 | 580.017 | 577.315 | 575.621 |
| 30 | 394.529 | 388.694 | 391.776 | 388.694 | 394.529 | 388.694 | 391.776 | 388.694 | 394.529 |
| 35 | 168.556 | 169.043 | 172.500 | 169.043 | 168.556 | 169.043 | 172.500 | 169.043 | 168.556 |
| 40 | 47.767 | 49.516 | 51.637 | 49.516 | 47.767 | 49.516 | 51.637 | 49.516 | 47.767 |
| 45 | 26.117 | 26.491 | 26.194 | 26.491 | 26.117 | 26.491 | 26.194 | 26.491 | 26.117 |
| 50 | 17.403 | 17.609 | 17.254 | 17.609 | 17.403 | 17.609 | 17.254 | 17.609 | 17.403 |
| 55 | 12.235 | 12.294 | 12.055 | 12.294 | 12.235 | 12.294 | 12.055 | 12.294 | 12.235 |
| 60 | 8.956 | 8.950 | 8.834 | 8.950 | 8.956 | 8.950 | 8.834 | 8.950 | 8.956 |
| 65 | 6.836 | 6.794 | 6.691 | 6.794 | 6.836 | 6.794 | 6.691 | 6.794 | 6.836 |
| 70 | 5.045 | 4.996 | 4.896 | 4.996 | 5.045 | 4.996 | 4.896 | 4.996 | 5.045 |
| 75 | 3.315 | 3.276 | 3.218 | 3.276 | 3.315 | 3.276 | 3.218 | 3.276 | 3.315 |
| 80 | 1.675 | 1.678 | 1.669 | 1.678 | 1.675 | 1.678 | 1.669 | 1.678 | 1.675 |
| 85 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 |
| 90 | 0.123 | 0.142 | 0.148 | 0.142 | 0.123 | 0.142 | 0.148 | 0.142 | 0.123 |
| 95 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 | 0.326 |
| 100 | 1.675 | 1.678 | 1.669 | 1.678 | 1.675 | 1.678 | 1.669 | 1.678 | 1.675 |
| 105 | 3.315 | 3.276 | 3.218 | 3.276 | 3.315 | 3.276 | 3.218 | 3.276 | 3.315 |
| 110 | 5.045 | 4.996 | 4.896 | 4.996 | 5.045 | 4.996 | 4.896 | 4.996 | 5.045 |
| 115 | 6.836 | 6.794 | 6.691 | 6.794 | 6.836 | 6.794 | 6.691 | 6.794 | 6.836 |
| 120 | 8.956 | 8.950 | 8.834 | 8.950 | 8.956 | 8.950 | 8.834 | 8.950 | 8.956 |
| 125 | 12.235 | 12.294 | 12.055 | 12.294 | 12.235 | 12.294 | 12.055 | 12.294 | 12.235 |
| 130 | 17.403 | 17.609 | 17.254 | 17.609 | 17.403 | 17.609 | 17.254 | 17.609 | 17.403 |
| 135 | 26.117 | 26.491 | 26.194 | 26.491 | 26.117 | 26.491 | 26.194 | 26.491 | 26.117 |
| 140 | 47.767 | 49.516 | 51.637 | 49.516 | 47.767 | 49.516 | 51.637 | 49.516 | 47.767 |
| 145 | 168.556 | 169.043 | 172.500 | 169.043 | 168.556 | 169.043 | 172.500 | 169.043 | 168.556 |
| 150 | 394.529 | 388.694 | 391.776 | 388.694 | 394.529 | 388.694 | 391.776 | 388.694 | 394.529 |
| 155 | 575.621 | 577.315 | 580.017 | 577.315 | 575.621 | 577.315 | 580.017 | 577.315 | 575.621 |
| 160 | 858.788 | 864.921 | 868.952 | 864.921 | 858.788 | 864.921 | 868.952 | 864.921 | 858.788 |
| 165 | 1304.547 | 1313.013 | 1312.374 | 1313.013 | 1304.547 | 1313.013 | 1312.374 | 1313.013 | 1304.547 |
| 170 | 1788.349 | 1777.005 | 1761.187 | 1777.005 | 1788.349 | 1777.005 | 1761.187 | 1777.005 | 1788.349 |
| 175 | 2050.703 | 2037.528 | 2023.750 | 2037.528 | 2050.703 | 2037.528 | 2023.750 | 2037.528 | 2050.703 |
| 180 | 2063.661 | 2063.661 | 2063.661 | 2063.661 | 2063.661 | 2063.661 | 2063.661 | 2063.661 | 2063.661 |

COEFFICIENTS OF UTILIZATION



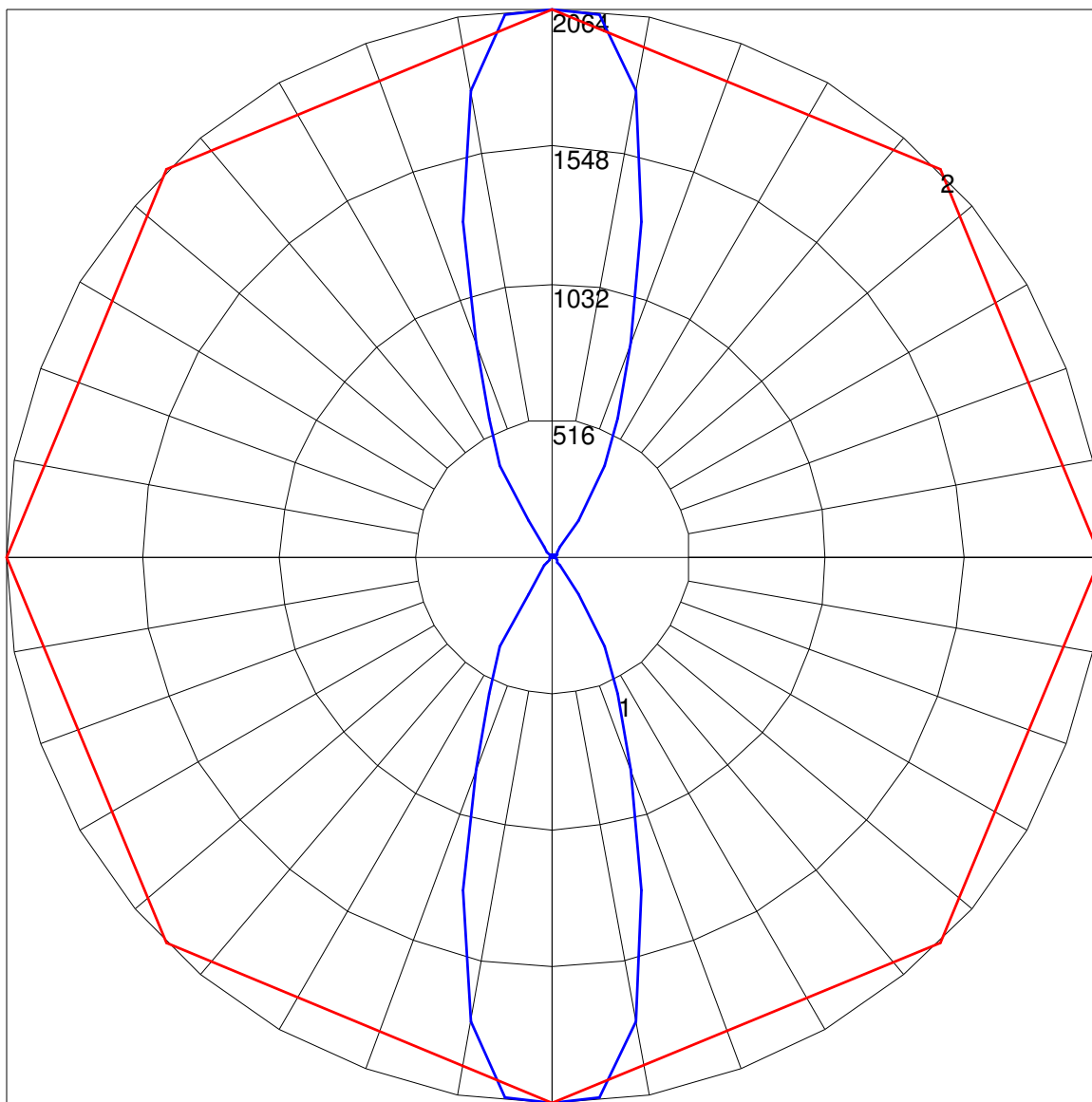
FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 493.0 | 25.0 |
| Downward House Side | 493.0 | 25.0 |
| Downward Total | 986.0 | 50.0 |
| Upward Street Side | 493.0 | 25.0 |
| Upward House Side | 493.0 | 25.0 |
| Upward Total | 986.0 | 50.0 |
| Total Flux | 1972.0 | 100.0 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-835U-L10-835D-XXX-DIM-UNV-M-XX_.IES

POLAR GRAPH

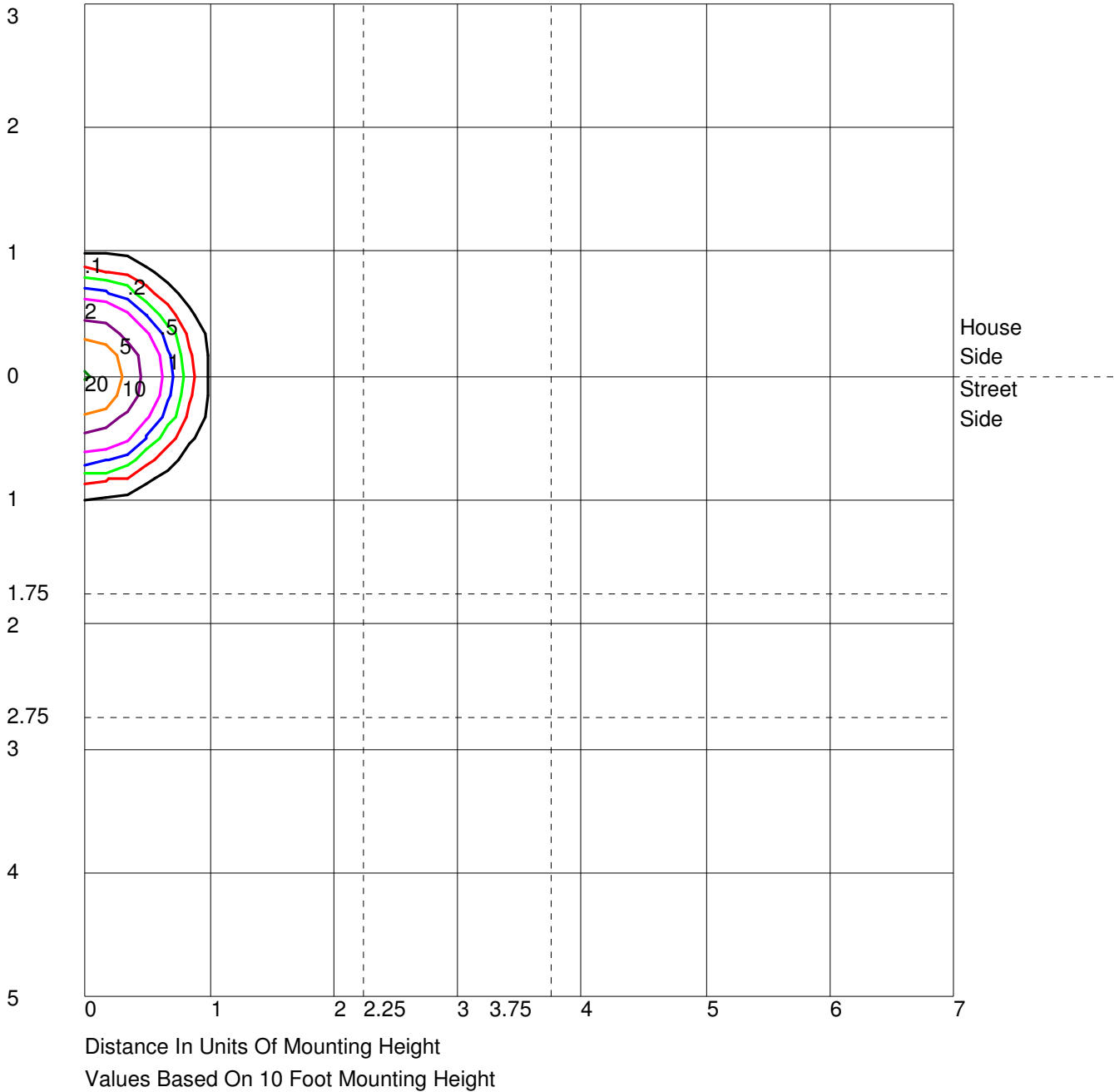


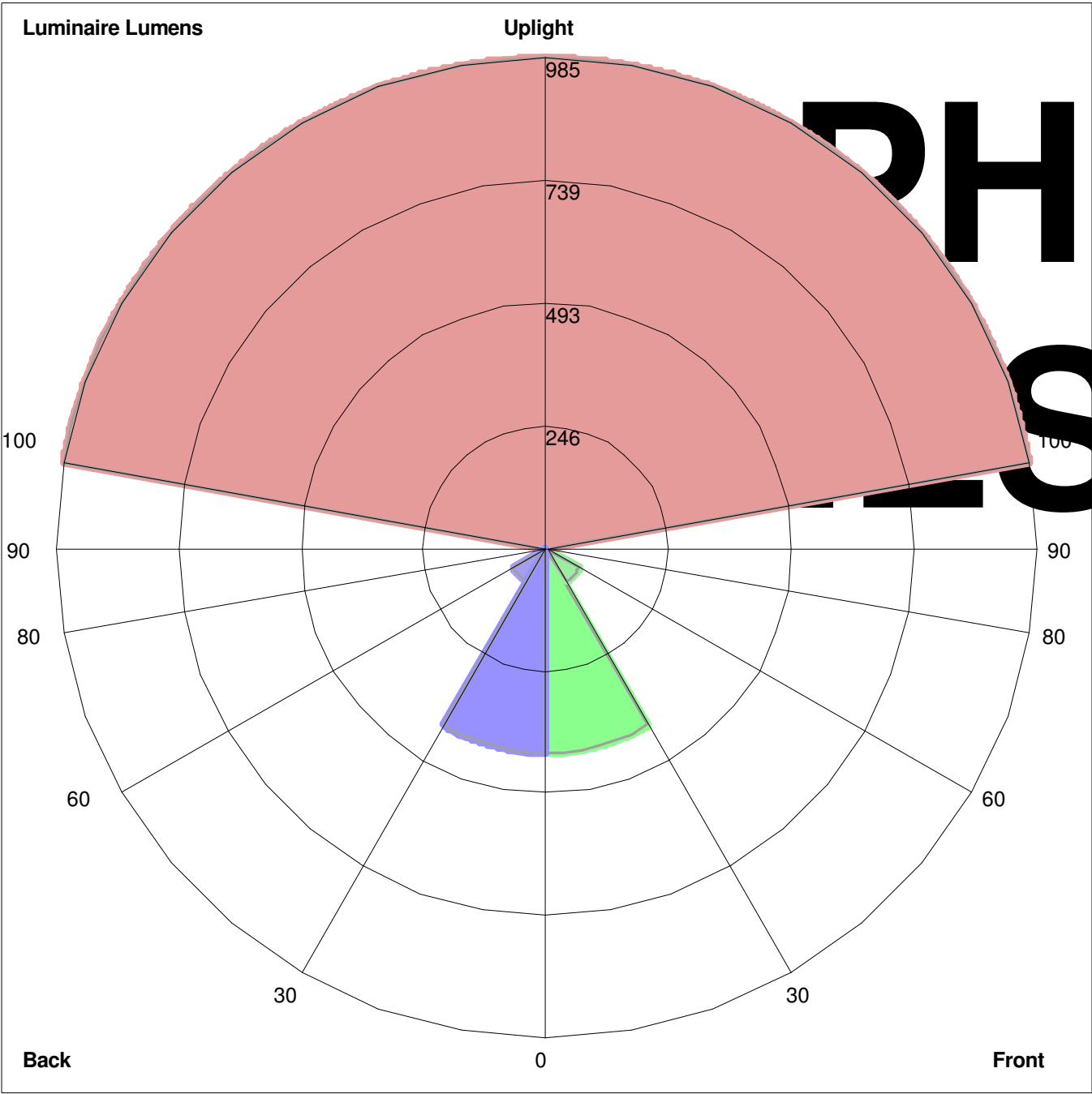
Maximum Candela = 2063.713 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





**PHOTO
LUMENS**