

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CRDI-xx-L50-930U-L50-930D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 6 INCH ROUND DIRECT-INDIRECT WET LOCATION
[MORE] LED CYLINDER WITH WIDE DIST.
[LAMPCAT] BL VERO 22
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

| | |
|---|--------------------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9829 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 109 |
| Total Luminaire Watts | 90 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Maximum Candela | 3951.047 |
| Maximum Candela Angle | 270H 175V |
| Maximum Candela (<90 Degrees Vertical) | 3951.047 |
| Maximum Candela Angle (<90 Degrees Vertical) | 270H 5V |
| Maximum Candela At 90 Degrees Vertical | 2.707 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 26.675 (0.3% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1280.9 | N.A. | 13.0 |
| FM - Front-Medium (30-60) | 1004.2 | N.A. | 10.2 |
| FH - Front-High (60-80) | 165.9 | N.A. | 1.7 |
| FVH - Front-Very High (80-90) | 6.1 | N.A. | 0.1 |
| BL - Back-Low (0-30) | 1280.9 | N.A. | 13.0 |
| BM - Back-Medium (30-60) | 1004.2 | N.A. | 10.2 |
| BH - Back-High (60-80) | 165.9 | N.A. | 1.7 |
| BVH - Back-Very High (80-90) | 6.1 | N.A. | 0.1 |
| UL - Uplight-Low (90-100) | 12.3 | N.A. | 0.1 |
| UH - Uplight-High (100-180) | 4902.0 | N.A. | 49.9 |
| Total | 9828.5 | N.A. | 100.0 |
| BUG Rating | B3-U5-G1 | | |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES

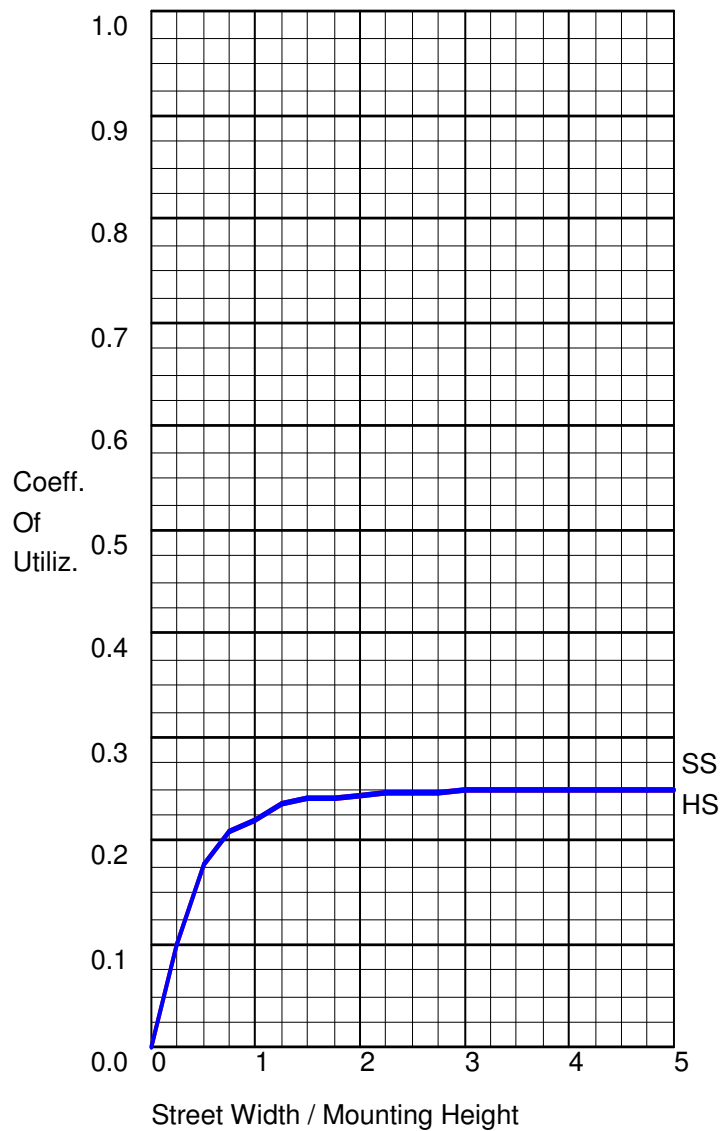
CANDELA TABULATION

| 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 | 3916.708 | 3916.708 | 3916.708 | 3916.708 | 3916.708 | 3916.708 | 3916.708 | 3916.708 | 3916.708 |
| 5 | 3840.515 | 3919.317 | 3951.047 | 3919.317 | 3840.515 | 3919.317 | 3951.047 | 3919.317 | 3840.515 |
| 10 | 3624.407 | 3722.531 | 3748.375 | 3722.531 | 3624.407 | 3722.531 | 3748.375 | 3722.531 | 3624.407 |
| 15 | 3327.801 | 3363.167 | 3354.982 | 3363.167 | 3327.801 | 3363.167 | 3354.982 | 3363.167 | 3327.801 |
| 20 | 3013.211 | 3023.435 | 3005.026 | 3023.435 | 3013.211 | 3023.435 | 3005.026 | 3023.435 | 3013.211 |
| 25 | 2771.228 | 2759.765 | 2739.791 | 2759.765 | 2771.228 | 2759.765 | 2739.791 | 2759.765 | 2771.228 |
| 30 | 2399.602 | 2352.383 | 2314.571 | 2352.383 | 2399.602 | 2352.383 | 2314.571 | 2352.383 | 2399.602 |
| 35 | 1506.867 | 1516.682 | 1545.656 | 1516.682 | 1506.867 | 1516.682 | 1545.656 | 1516.682 | 1506.867 |
| 40 | 896.307 | 922.672 | 946.575 | 922.672 | 896.307 | 922.672 | 946.575 | 922.672 | 896.307 |
| 45 | 745.044 | 745.957 | 742.615 | 745.957 | 745.044 | 745.957 | 742.615 | 745.957 | 745.044 |
| 50 | 627.843 | 627.175 | 622.756 | 627.175 | 627.843 | 627.175 | 622.756 | 627.175 | 627.843 |
| 55 | 501.022 | 499.963 | 495.560 | 499.963 | 501.022 | 499.963 | 495.560 | 499.963 | 501.022 |
| 60 | 366.082 | 364.630 | 360.913 | 364.630 | 366.082 | 364.630 | 360.913 | 364.630 | 366.082 |
| 65 | 245.864 | 245.212 | 243.255 | 245.212 | 245.864 | 245.212 | 243.255 | 245.212 | 245.864 |
| 70 | 147.365 | 147.137 | 146.615 | 147.137 | 147.365 | 147.137 | 146.615 | 147.137 | 147.365 |
| 75 | 73.634 | 73.683 | 73.732 | 73.683 | 73.634 | 73.683 | 73.732 | 73.683 | 73.634 |
| 80 | 26.202 | 26.528 | 26.675 | 26.528 | 26.202 | 26.528 | 26.675 | 26.528 | 26.202 |
| 85 | 8.071 | 8.087 | 8.006 | 8.087 | 8.071 | 8.087 | 8.006 | 8.087 | 8.071 |
| 90 | 1.957 | 2.511 | 2.707 | 2.511 | 1.957 | 2.511 | 2.707 | 2.511 | 1.957 |
| 95 | 8.071 | 8.087 | 8.006 | 8.087 | 8.071 | 8.087 | 8.006 | 8.087 | 8.071 |
| 100 | 26.202 | 26.528 | 26.675 | 26.528 | 26.202 | 26.528 | 26.675 | 26.528 | 26.202 |
| 105 | 73.634 | 73.683 | 73.732 | 73.683 | 73.634 | 73.683 | 73.732 | 73.683 | 73.634 |
| 110 | 147.365 | 147.137 | 146.615 | 147.137 | 147.365 | 147.137 | 146.615 | 147.137 | 147.365 |
| 115 | 245.864 | 245.212 | 243.255 | 245.212 | 245.864 | 245.212 | 243.255 | 245.212 | 245.864 |
| 120 | 366.082 | 364.630 | 360.913 | 364.630 | 366.082 | 364.630 | 360.913 | 364.630 | 366.082 |
| 125 | 501.022 | 499.963 | 495.560 | 499.963 | 501.022 | 499.963 | 495.560 | 499.963 | 501.022 |
| 130 | 627.843 | 627.175 | 622.756 | 627.175 | 627.843 | 627.175 | 622.756 | 627.175 | 627.843 |
| 135 | 745.044 | 745.957 | 742.615 | 745.957 | 745.044 | 745.957 | 742.615 | 745.957 | 745.044 |
| 140 | 896.307 | 922.672 | 946.575 | 922.672 | 896.307 | 922.672 | 946.575 | 922.672 | 896.307 |
| 145 | 1506.867 | 1516.682 | 1545.656 | 1516.682 | 1506.867 | 1516.682 | 1545.656 | 1516.682 | 1506.867 |
| 150 | 2399.602 | 2352.383 | 2314.571 | 2352.383 | 2399.602 | 2352.383 | 2314.571 | 2352.383 | 2399.602 |
| 155 | 2771.228 | 2759.765 | 2739.791 | 2759.765 | 2771.228 | 2759.765 | 2739.791 | 2759.765 | 2771.228 |
| 160 | 3013.211 | 3023.435 | 3005.026 | 3023.435 | 3013.211 | 3023.435 | 3005.026 | 3023.435 | 3013.211 |
| 165 | 3327.801 | 3363.167 | 3354.982 | 3363.167 | 3327.801 | 3363.167 | 3354.982 | 3363.167 | 3327.801 |
| 170 | 3624.407 | 3722.531 | 3748.375 | 3722.531 | 3624.407 | 3722.531 | 3748.375 | 3722.531 | 3624.407 |
| 175 | 3840.515 | 3919.317 | 3951.047 | 3919.317 | 3840.515 | 3919.317 | 3951.047 | 3919.317 | 3840.515 |
| 180 | 3916.480 | 3916.480 | 3916.480 | 3916.480 | 3916.480 | 3916.480 | 3916.480 | 3916.480 | 3916.480 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES

COEFFICIENTS OF UTILIZATION



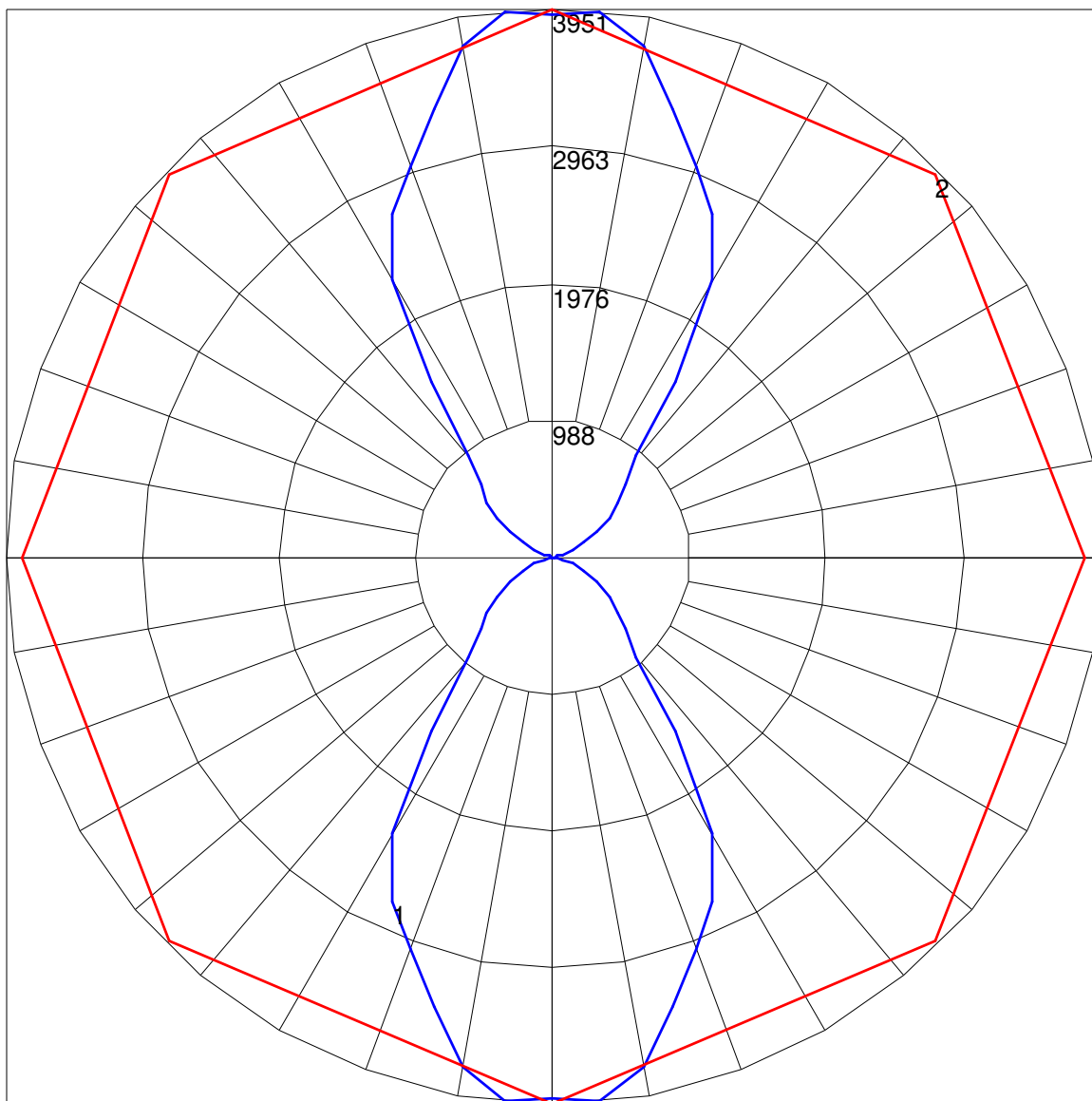
FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 2457.1 | 25.0 |
| Downward House Side | 2457.1 | 25.0 |
| Downward Total | 4914.3 | 50.0 |
| Upward Street Side | 2457.1 | 25.0 |
| Upward House Side | 2457.1 | 25.0 |
| Upward Total | 4914.2 | 50.0 |
| Total Flux | 9828.5 | 100.0 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES

POLAR GRAPH



Maximum Candela = 3951.047 Located At Horizontal Angle = 270, Vertical Angle = 175

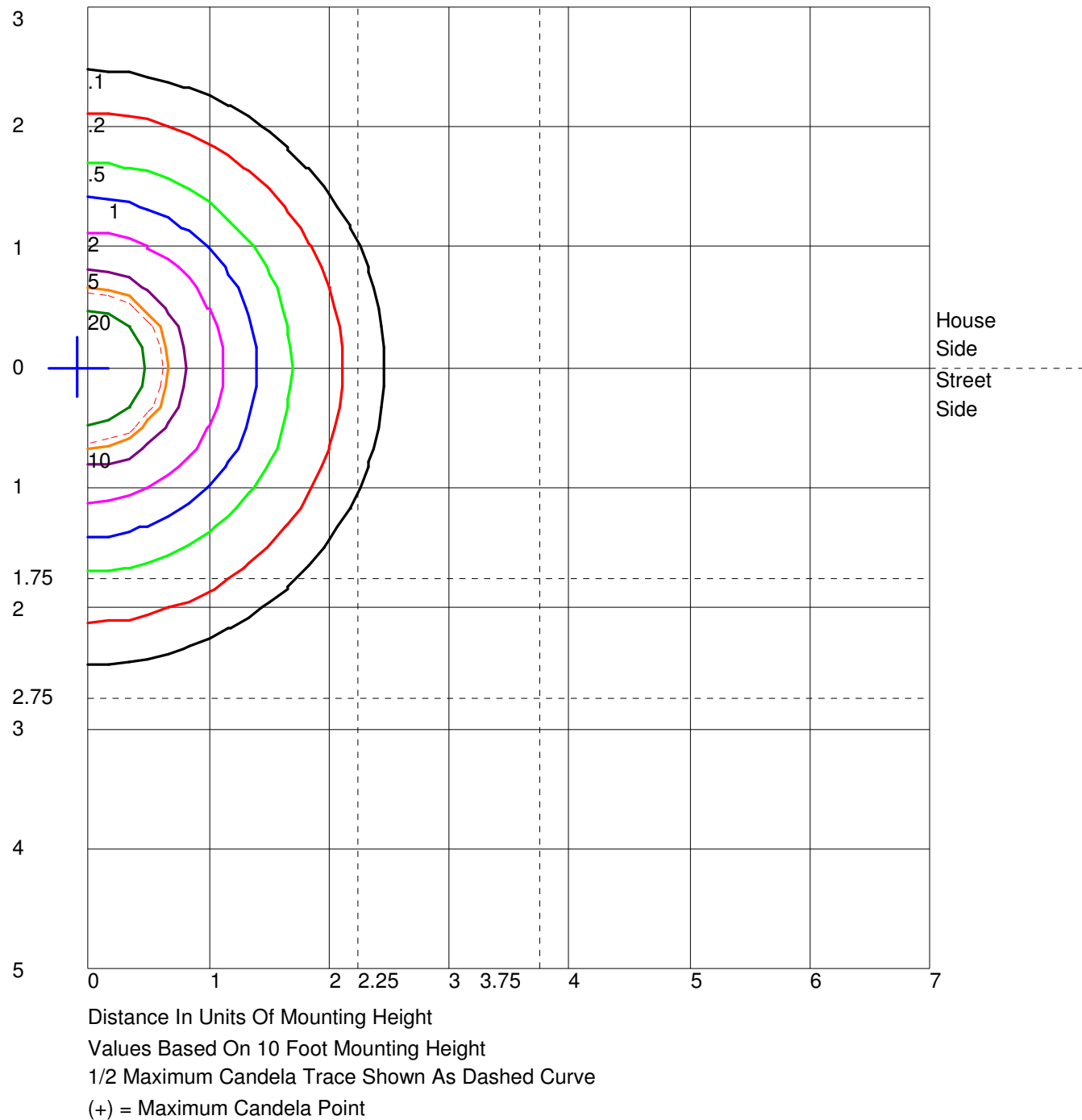
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

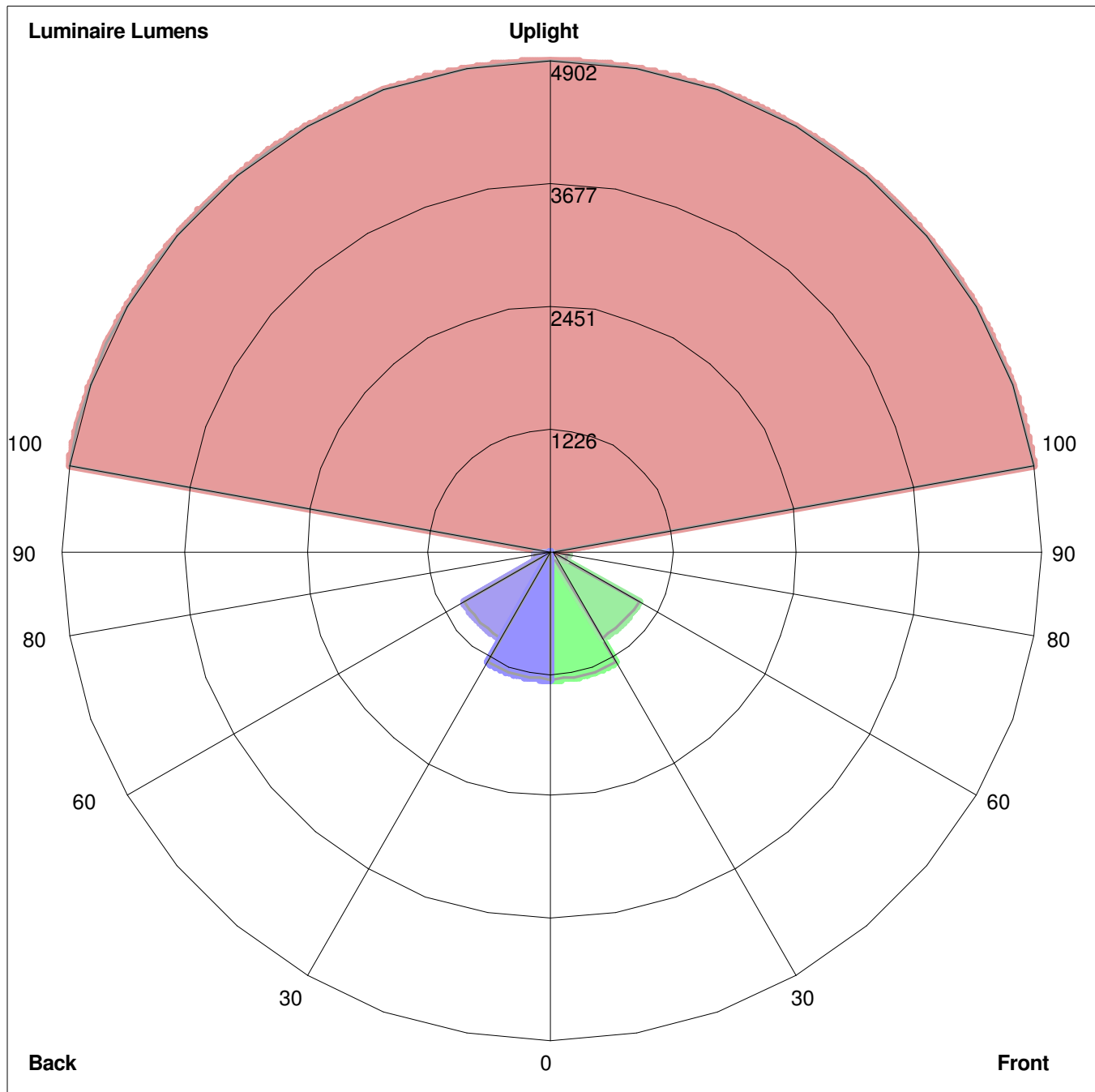
IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-W-XX_.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1280.9, Medium=1004.2, High=165.9, Very High=6.1
Back: Low=1280.9, Medium=1004.2, High=165.9, Very High=6.1
Uplight: Low=12.3, High= 4902.0

BUG Rating : B3-U5-G1