

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-835U-L50-835D-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-L50-835U-L50-835D-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 | 10346 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 115 |
| Total Luminaire Watts | 90 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Maximum Candela | 4158.996 |
| Maximum Candela Angle | 270H 175V |
| Maximum Candela (<90 Degrees Vertical) | 4158.996 |
| Maximum Candela Angle (<90 Degrees Vertical) | 270H 5V |
| Maximum Candela At 90 Degrees Vertical | 2.849 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 28.079 (0.3% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-835U-L50-835D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1348.3 | N.A. | 13.0 |
| FM - Front-Medium (30-60) | 1057.1 | N.A. | 10.2 |
| FH - Front-High (60-80) | 174.6 | N.A. | 1.7 |
| FVH - Front-Very High (80-90) | 6.5 | N.A. | 0.1 |
| BL - Back-Low (0-30) | 1348.3 | N.A. | 13.0 |
| BM - Back-Medium (30-60) | 1057.1 | N.A. | 10.2 |
| BH - Back-High (60-80) | 174.6 | N.A. | 1.7 |
| BVH - Back-Very High (80-90) | 6.5 | N.A. | 0.1 |
| UL - Uplight-Low (90-100) | 12.9 | N.A. | 0.1 |
| UH - Uplight-High (100-180) | 5160.0 | N.A. | 49.9 |
| Total | 10345.9 | N.A. | 100.0 |
| BUG Rating | B3-U5-G1 | | |

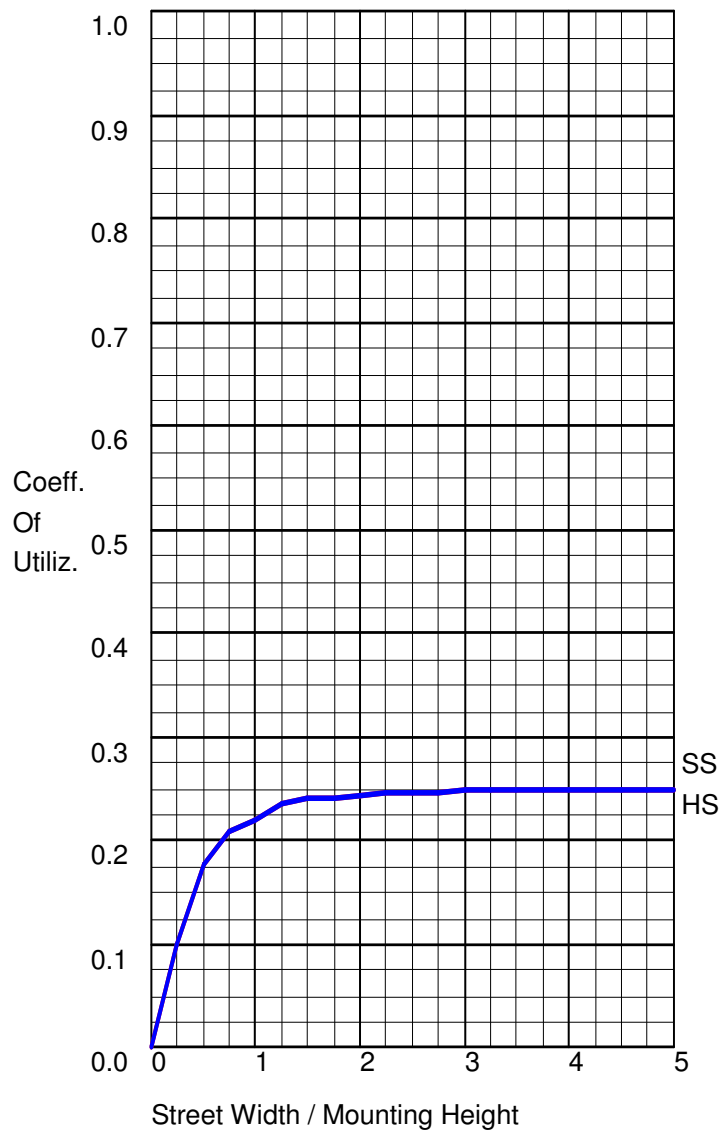
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CANDELA TABULATION

| 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 | 4122.850 | 4122.850 | 4122.850 | 4122.850 | 4122.850 | 4122.850 | 4122.850 | 4122.850 | 4122.850 |
| 5 | 4042.647 | 4125.597 | 4158.996 | 4125.597 | 4042.647 | 4125.597 | 4158.996 | 4125.597 | 4042.647 |
| 10 | 3815.165 | 3918.453 | 3945.657 | 3918.453 | 3815.165 | 3918.453 | 3945.657 | 3918.453 | 3815.165 |
| 15 | 3502.949 | 3540.176 | 3531.560 | 3540.176 | 3502.949 | 3540.176 | 3531.560 | 3540.176 | 3502.949 |
| 20 | 3171.801 | 3182.562 | 3163.185 | 3182.562 | 3171.801 | 3182.562 | 3163.185 | 3182.562 | 3171.801 |
| 25 | 2917.081 | 2905.016 | 2883.991 | 2905.016 | 2917.081 | 2905.016 | 2883.991 | 2905.016 | 2917.081 |
| 30 | 2525.897 | 2476.192 | 2436.391 | 2476.192 | 2525.897 | 2476.192 | 2436.391 | 2476.192 | 2525.897 |
| 35 | 1586.175 | 1596.507 | 1627.006 | 1596.507 | 1586.175 | 1596.507 | 1627.006 | 1596.507 | 1586.175 |
| 40 | 943.480 | 971.233 | 996.395 | 971.233 | 943.480 | 971.233 | 996.395 | 971.233 | 943.480 |
| 45 | 784.257 | 785.218 | 781.700 | 785.218 | 784.257 | 785.218 | 781.700 | 785.218 | 784.257 |
| 50 | 660.888 | 660.184 | 655.533 | 660.184 | 660.888 | 660.184 | 655.533 | 660.184 | 660.888 |
| 55 | 527.392 | 526.276 | 521.642 | 526.276 | 527.392 | 526.276 | 521.642 | 526.276 | 527.392 |
| 60 | 385.349 | 383.822 | 379.908 | 383.822 | 385.349 | 383.822 | 379.908 | 383.822 | 385.349 |
| 65 | 258.804 | 258.118 | 256.058 | 258.118 | 258.804 | 258.118 | 256.058 | 258.118 | 258.804 |
| 70 | 155.121 | 154.881 | 154.332 | 154.881 | 155.121 | 154.881 | 154.332 | 154.881 | 155.121 |
| 75 | 77.509 | 77.561 | 77.612 | 77.561 | 77.509 | 77.561 | 77.612 | 77.561 | 77.509 |
| 80 | 27.581 | 27.925 | 28.079 | 27.925 | 27.581 | 27.925 | 28.079 | 27.925 | 27.581 |
| 85 | 8.496 | 8.513 | 8.427 | 8.513 | 8.496 | 8.513 | 8.427 | 8.513 | 8.496 |
| 90 | 2.060 | 2.643 | 2.849 | 2.643 | 2.060 | 2.643 | 2.849 | 2.643 | 2.060 |
| 95 | 8.496 | 8.513 | 8.427 | 8.513 | 8.496 | 8.513 | 8.427 | 8.513 | 8.496 |
| 100 | 27.581 | 27.925 | 28.079 | 27.925 | 27.581 | 27.925 | 28.079 | 27.925 | 27.581 |
| 105 | 77.509 | 77.561 | 77.612 | 77.561 | 77.509 | 77.561 | 77.612 | 77.561 | 77.509 |
| 110 | 155.121 | 154.881 | 154.332 | 154.881 | 155.121 | 154.881 | 154.332 | 154.881 | 155.121 |
| 115 | 258.804 | 258.118 | 256.058 | 258.118 | 258.804 | 258.118 | 256.058 | 258.118 | 258.804 |
| 120 | 385.349 | 383.822 | 379.908 | 383.822 | 385.349 | 383.822 | 379.908 | 383.822 | 385.349 |
| 125 | 527.392 | 526.276 | 521.642 | 526.276 | 527.392 | 526.276 | 521.642 | 526.276 | 527.392 |
| 130 | 660.888 | 660.184 | 655.533 | 660.184 | 660.888 | 660.184 | 655.533 | 660.184 | 660.888 |
| 135 | 784.257 | 785.218 | 781.700 | 785.218 | 784.257 | 785.218 | 781.700 | 785.218 | 784.257 |
| 140 | 943.480 | 971.233 | 996.395 | 971.233 | 943.480 | 971.233 | 996.395 | 971.233 | 943.480 |
| 145 | 1586.175 | 1596.507 | 1627.006 | 1596.507 | 1586.175 | 1596.507 | 1627.006 | 1596.507 | 1586.175 |
| 150 | 2525.897 | 2476.192 | 2436.391 | 2476.192 | 2525.897 | 2476.192 | 2436.391 | 2476.192 | 2525.897 |
| 155 | 2917.081 | 2905.016 | 2883.991 | 2905.016 | 2917.081 | 2905.016 | 2883.991 | 2905.016 | 2917.081 |
| 160 | 3171.801 | 3182.562 | 3163.185 | 3182.562 | 3171.801 | 3182.562 | 3163.185 | 3182.562 | 3171.801 |
| 165 | 3502.949 | 3540.176 | 3531.560 | 3540.176 | 3502.949 | 3540.176 | 3531.560 | 3540.176 | 3502.949 |
| 170 | 3815.165 | 3918.453 | 3945.657 | 3918.453 | 3815.165 | 3918.453 | 3945.657 | 3918.453 | 3815.165 |
| 175 | 4042.647 | 4125.597 | 4158.996 | 4125.597 | 4042.647 | 4125.597 | 4158.996 | 4125.597 | 4042.647 |
| 180 | 4122.610 | 4122.610 | 4122.610 | 4122.610 | 4122.610 | 4122.610 | 4122.610 | 4122.610 | 4122.610 |

COEFFICIENTS OF UTILIZATION



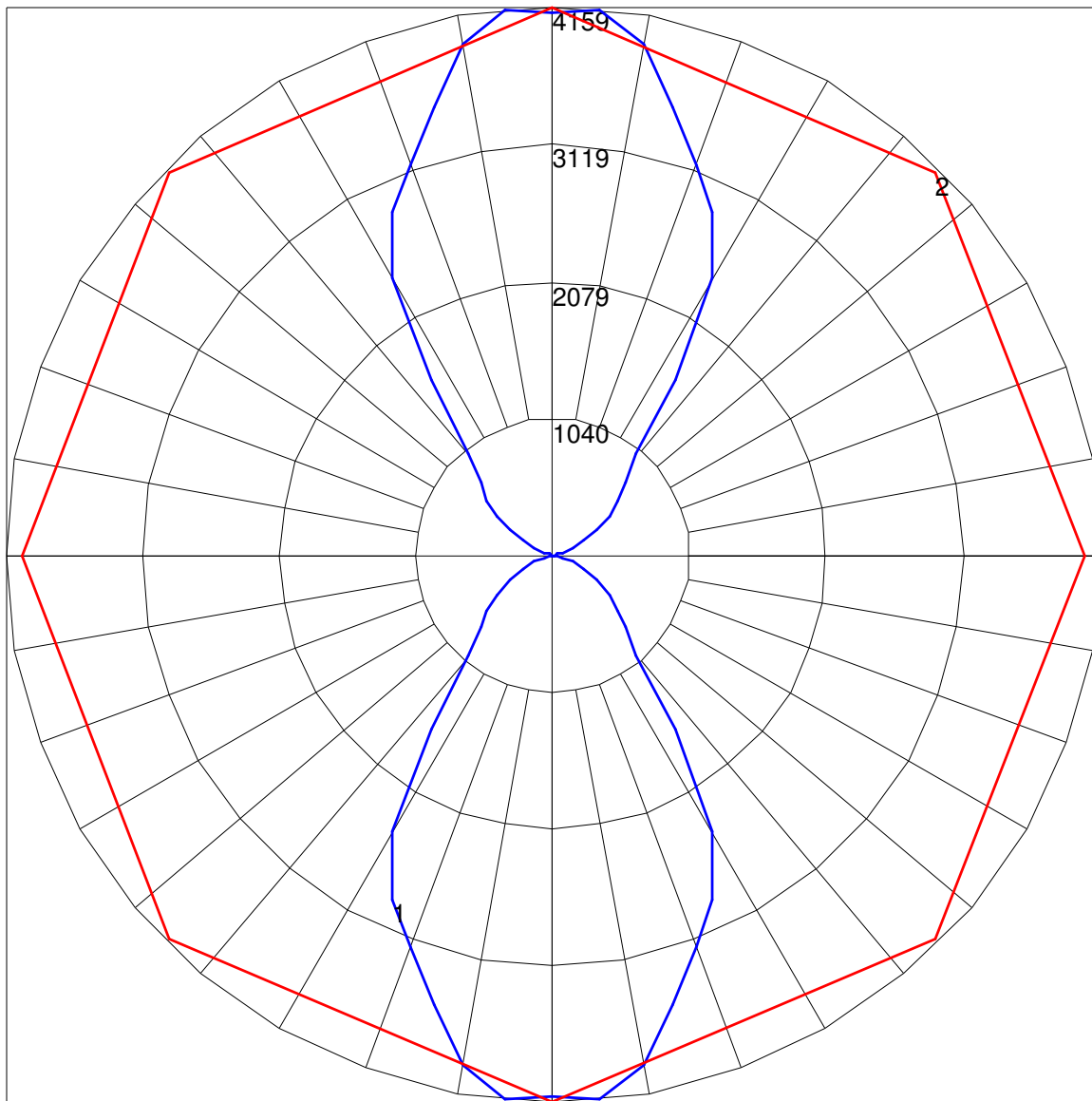
FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 2586.5 | 25.0 |
| Downward House Side | 2586.5 | 25.0 |
| Downward Total | 5173.0 | 50.0 |
| Upward Street Side | 2586.5 | 25.0 |
| Upward House Side | 2586.5 | 25.0 |
| Upward Total | 5173.0 | 50.0 |
| Total Flux | 10346.0 | 100.0 |

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POLAR GRAPH



Maximum Candela = 4158.996 Located At Horizontal Angle = 270, Vertical Angle = 175

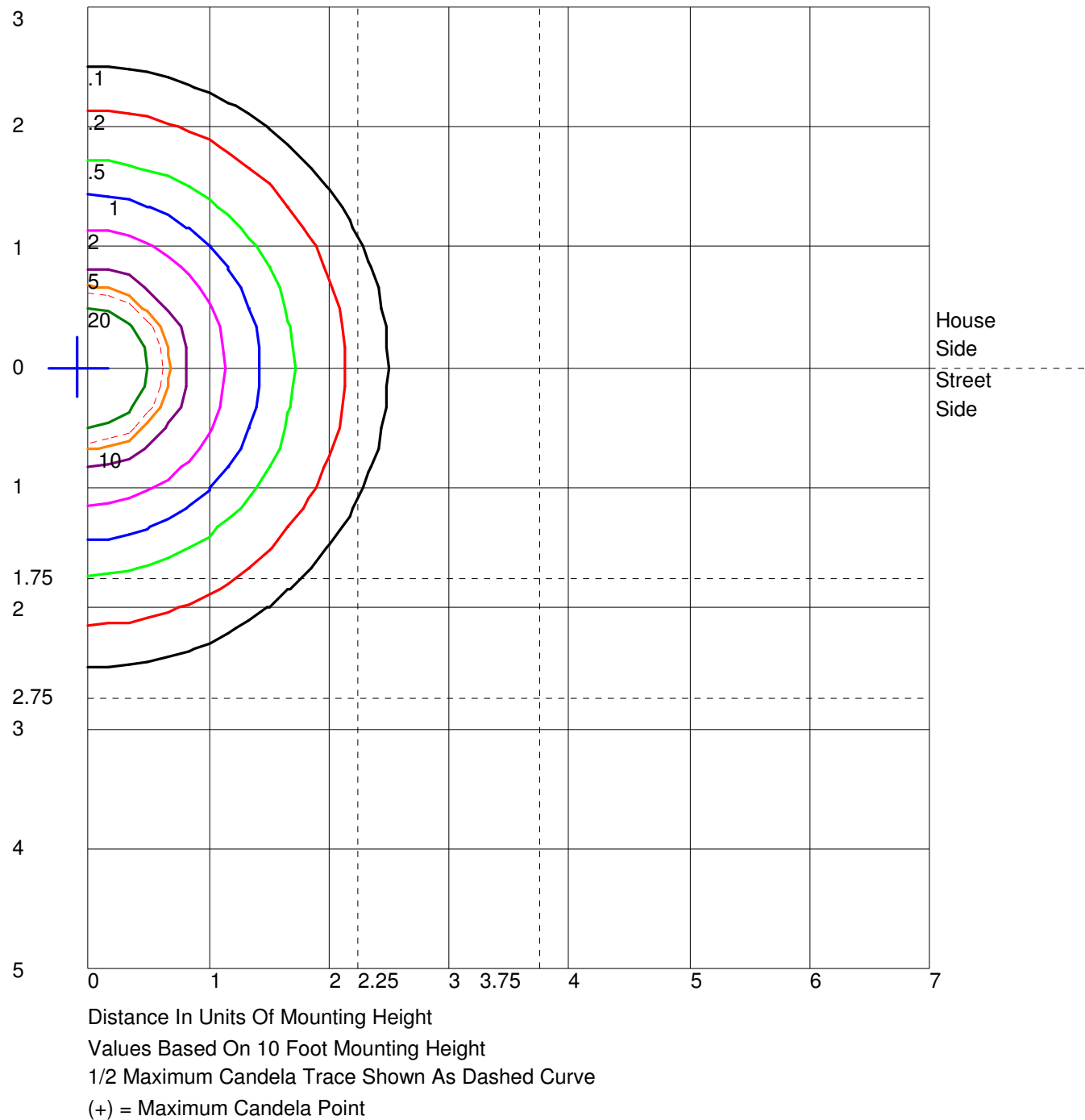
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

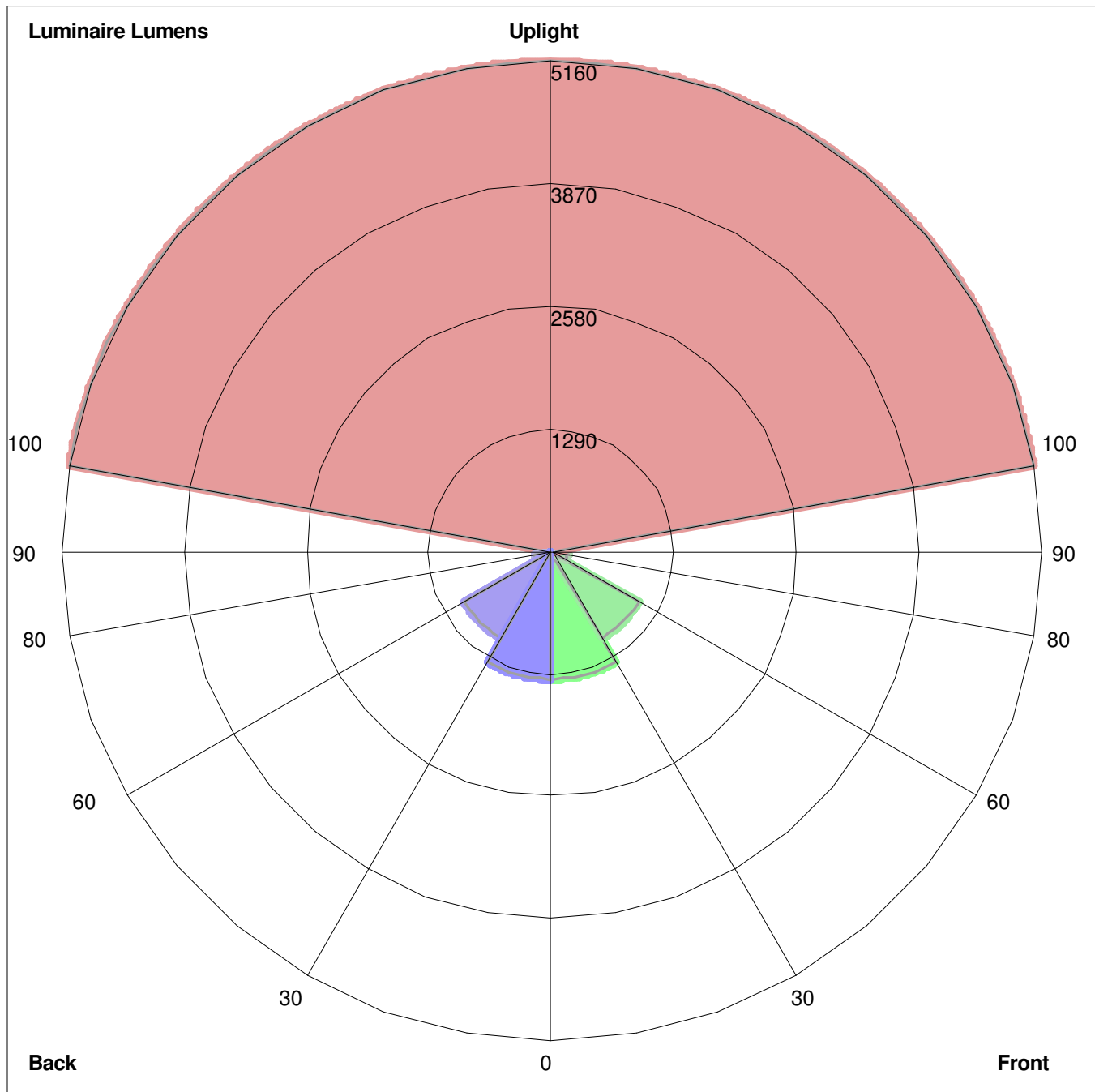
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=1348.3, Medium=1057.1, High=174.6, Very High=6.5
 Back: Low=1348.3, Medium=1057.1, High=174.6, Very High=6.5
 Uplight: Low=12.9, High= 5160.0

BUG Rating : B3-U5-G1