



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCM4-60J-MV-27K-3R-XX-205 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Scaled from NVLAP LM-79 for GCM4-60J-MV-30K-3R-XX-215-PCR7
[ISSUE DATE] 12/6/2022
[MANUFAC] Leotek Electronics USA LLC
[LUMCAT] GCM4-60J-MV-27K-3R-XX-205

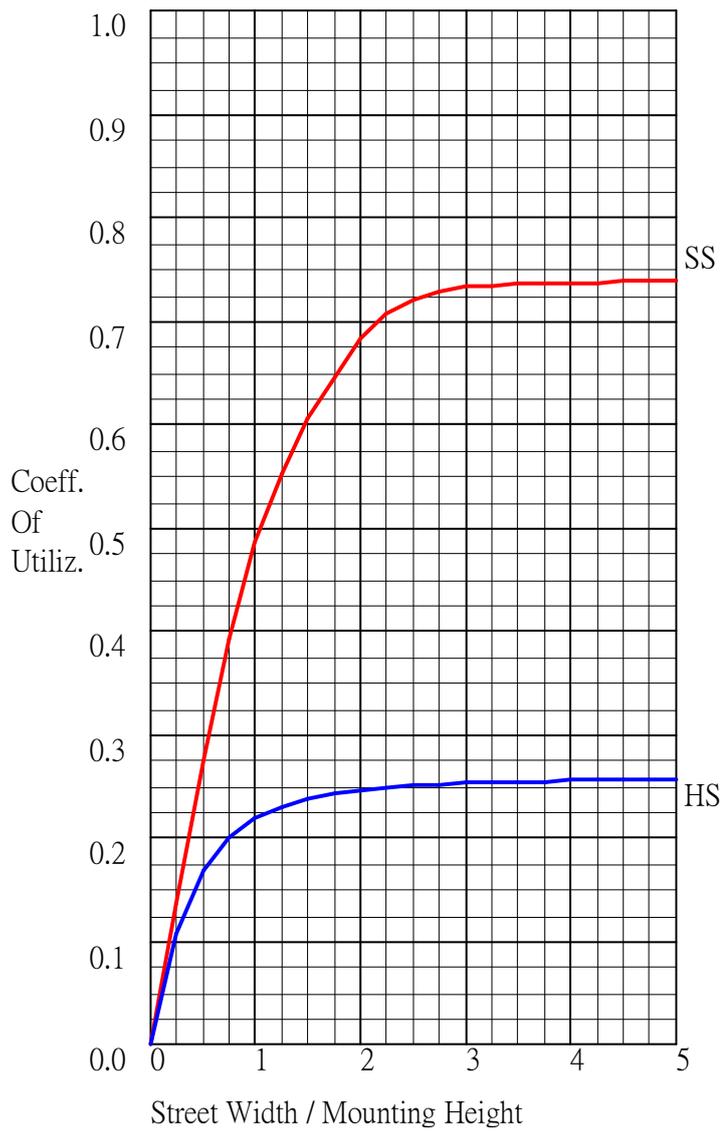
CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type III |
| Longitudinal Classification | Medium |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 20546 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 147 |
| Total Luminaire Watts | 140 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 9718.595 |
| Maximum Candela Angle | 65H 72V |
| Maximum Candela (<90 Degrees Vertical) | 9718.595 |
| Maximum Candela At 90 Degrees Vertical) | 65H 72V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1868.08 (9.1% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2343.9 | N.A. | 11.4 |
| FM - Front-Medium (30-60) | 7488.9 | N.A. | 36.5 |
| FH - Front-High (60-80) | 5285.5 | N.A. | 25.7 |
| FVH - Front-Very High (80-90) | 103.9 | N.A. | 0.5 |
| BL - Back-Low (0-30) | 1340.3 | N.A. | 6.5 |
| BM - Back-Medium (30-60) | 2650.6 | N.A. | 12.9 |
| BH - Back-High (60-80) | 1281.4 | N.A. | 6.2 |
| BVH - Back-Very High (80-90) | 51.2 | N.A. | 0.2 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 20545.7 | N.A. | 100.0 |
| BUG Rating | B3-U0-G3 | | |

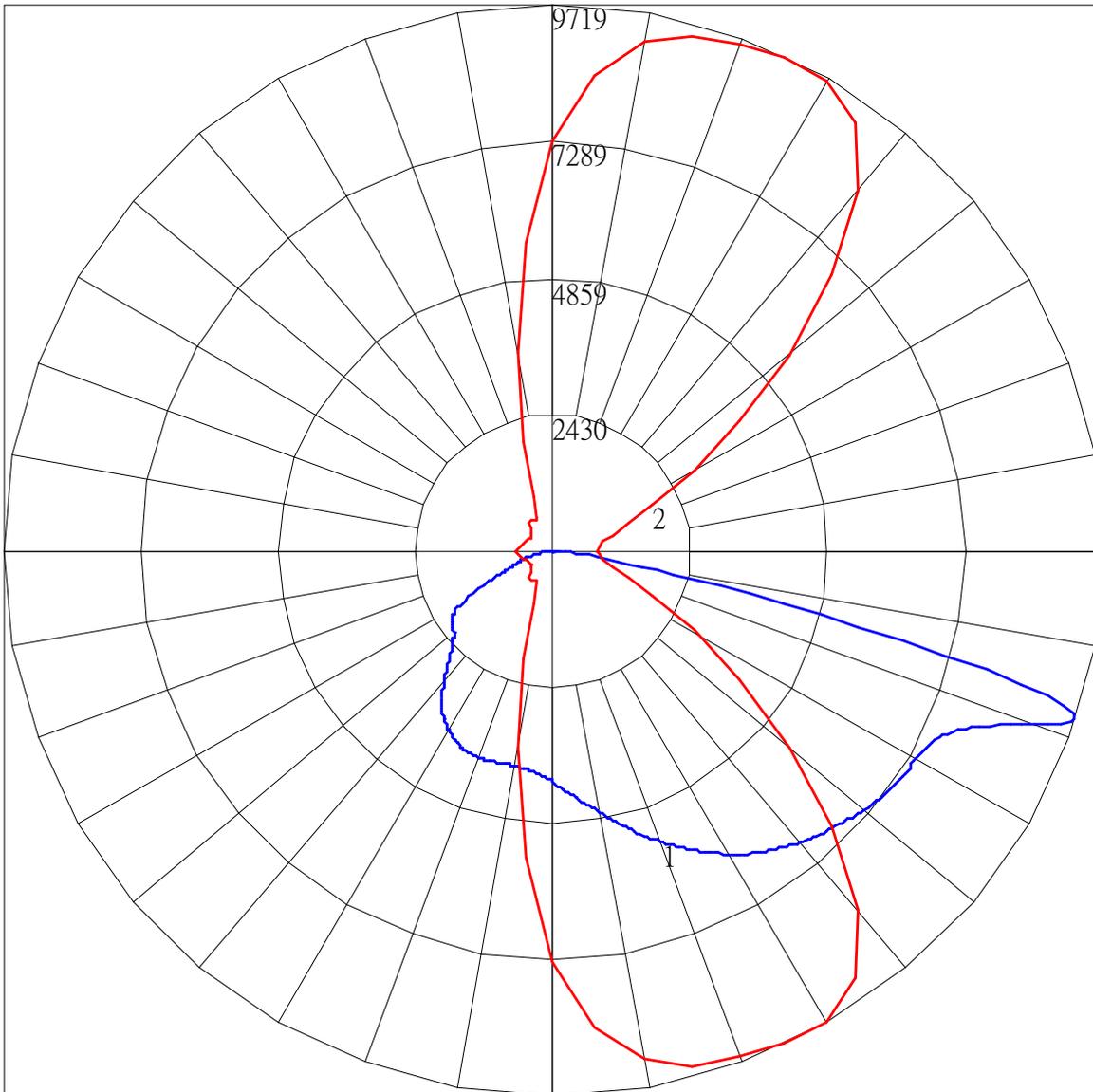
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

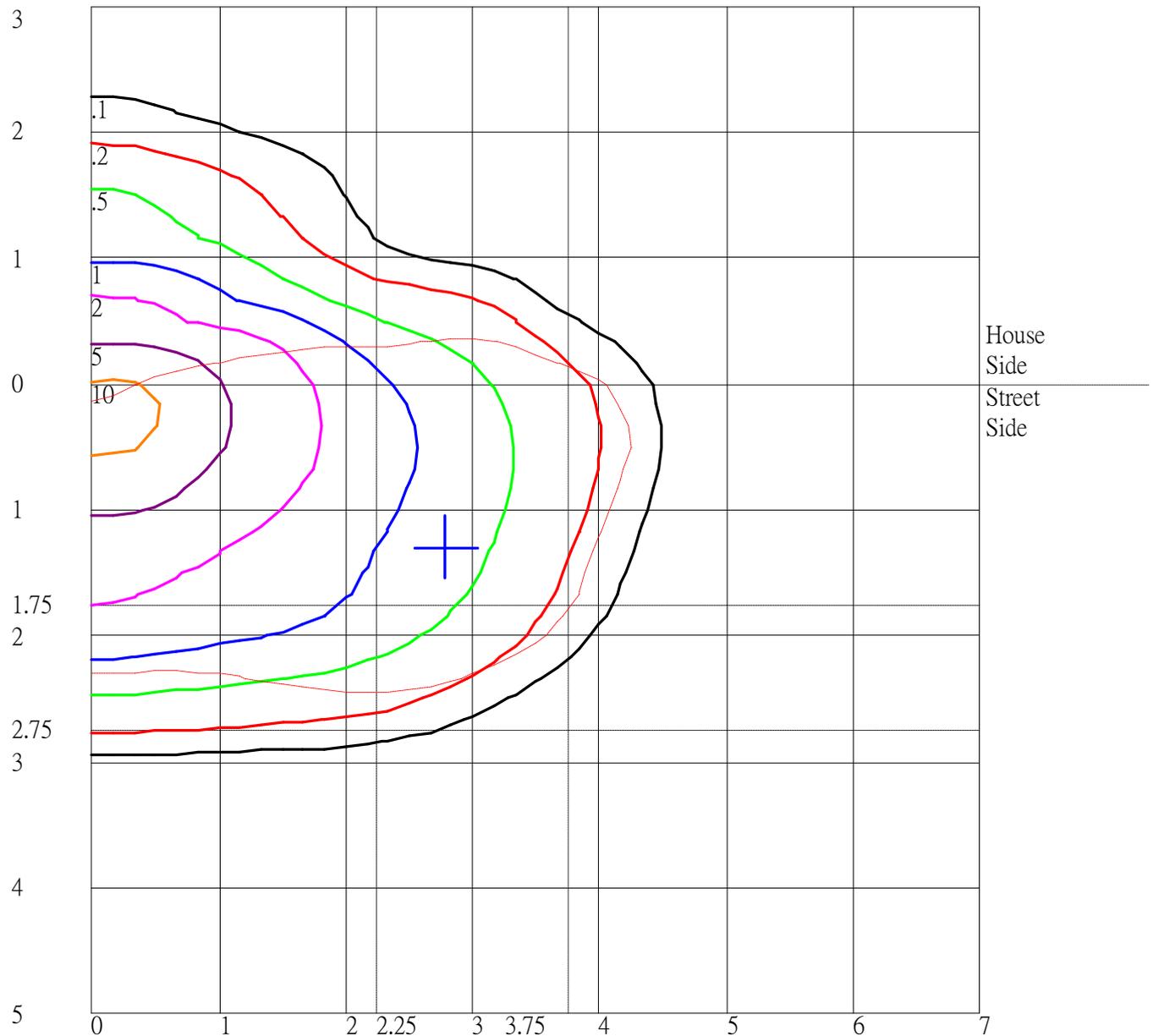
| | Lumens | Percent Of Luminaire |
|----------------------|----------------|----------------------|
| Downward Street Side | 15222.2 | 74.1 |
| Downward House Side | 5323.5 | 25.9 |
| Downward Total | 20545.7 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 20545.7 | 100.0 |

POLAR GRAPH



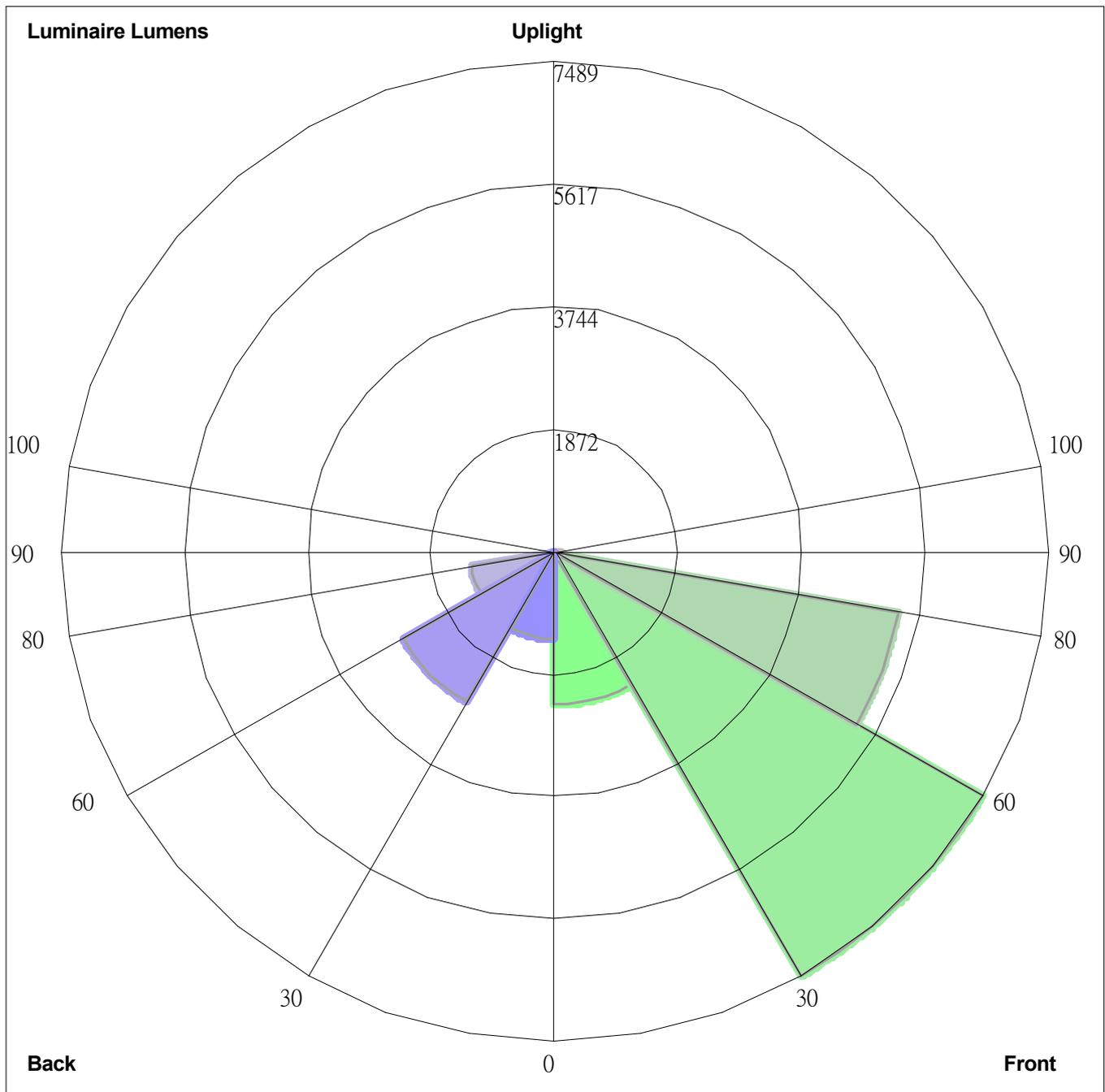
Maximum Candela = 9718.595 Located At Horizontal Angle = 65, Vertical Angle = 72
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 20 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2343.9, Medium=7488.9, High=5285.5, Very High=103.9
Back: Low=1340.3, Medium=2650.6, High=1281.4, Very High=51.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3