



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCM4-60J-MV-27K-4-XX-205 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCM4-60J-MV-30K-4-XX-215-PCR7

[ISSUEDATE] 11/29/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCM4-60J-MV-27K-4-XX-205

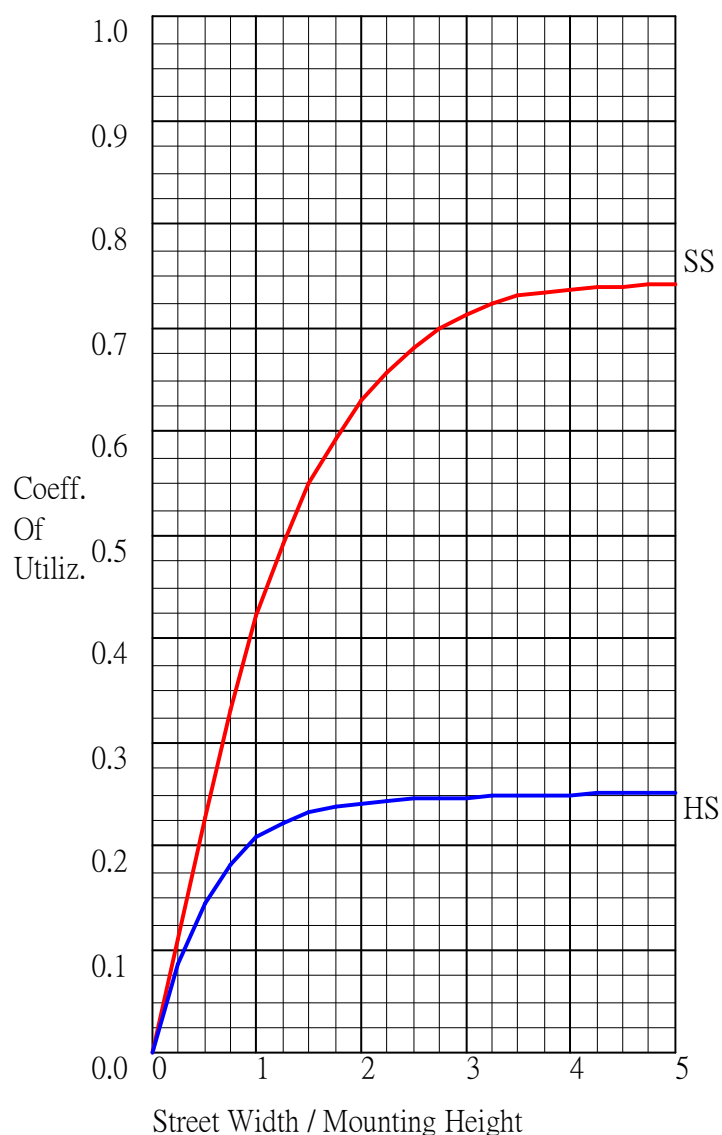
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20434
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	140
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8617.83
Maximum Candela Angle	50H 64.5V
Maximum Candela (<90 Degrees Vertical)	8617.83
Maximum Candela Angle (<90 Degrees Vertical)	50H 64.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2249.41 (11.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2085.0	N.A.	10.2
FM - Front-Medium (30-60)	7061.9	N.A.	34.6
FH - Front-High (60-80)	5948.4	N.A.	29.1
FVH - Front-Very High (80-90)	126.9	N.A.	0.6
BL - Back-Low (0-30)	1415.2	N.A.	6.9
BM - Back-Medium (30-60)	2635.9	N.A.	12.9
BH - Back-High (60-80)	1095.7	N.A.	5.4
BVH - Back-Very High (80-90)	64.6	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	20433.6	N.A.	100.0
BUG Rating	B3-U0-G3		

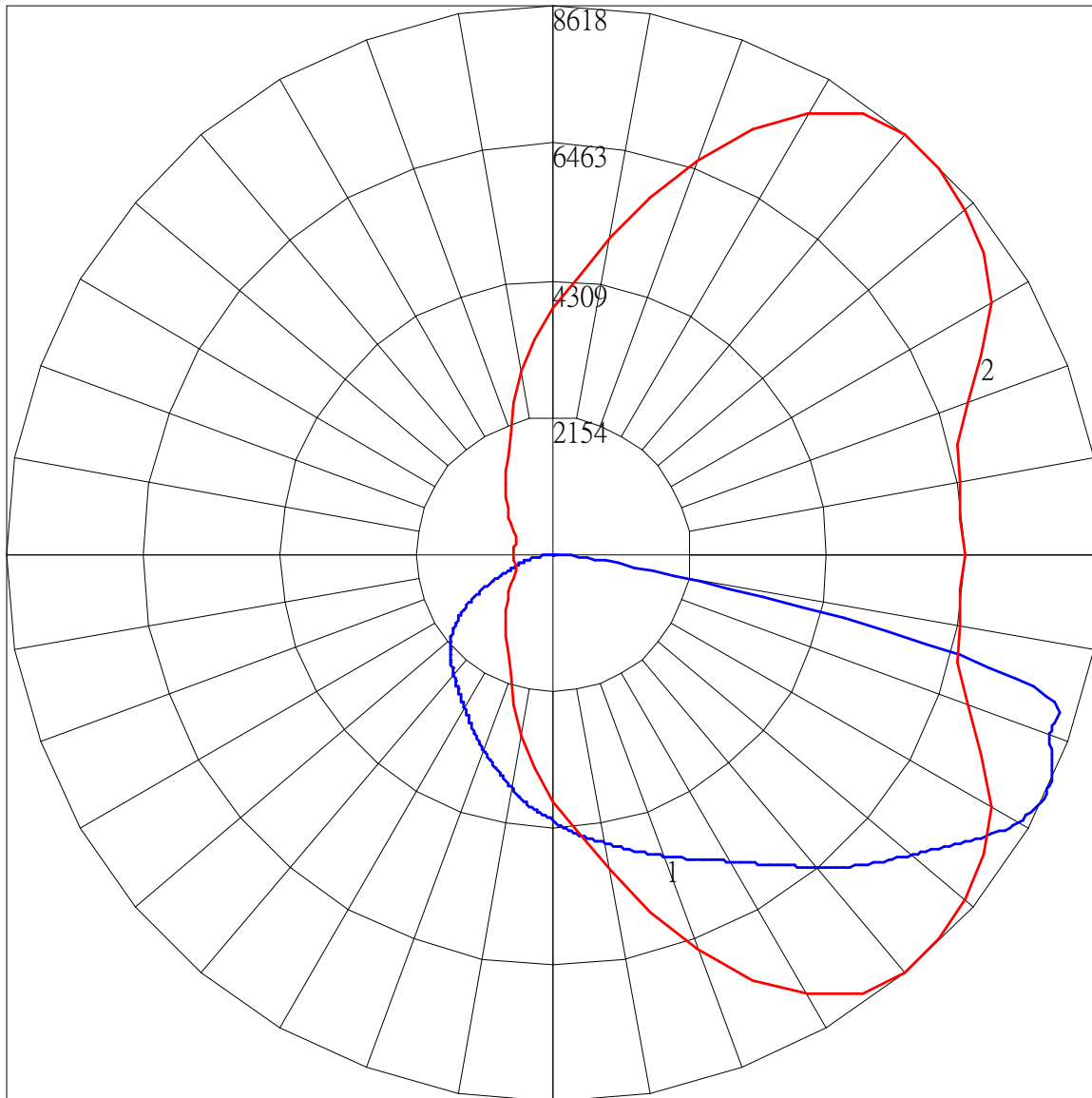
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

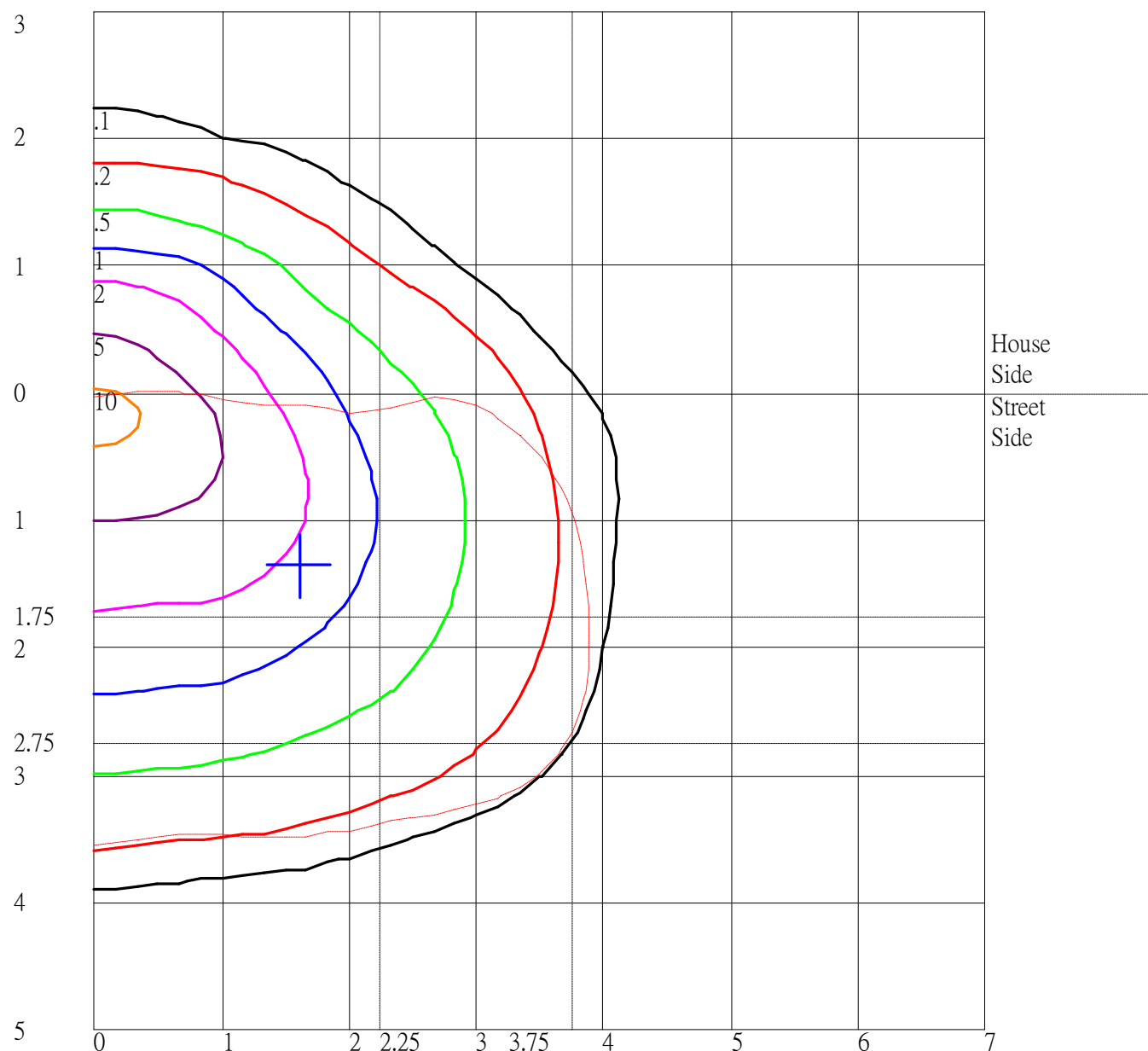
	Lumens	Percent Of Luminaire
Downward Street Side	15222.1	74.5
Downward House Side	5211.5	25.5
Downward Total	20433.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20433.6	100.0

POLAR GRAPH

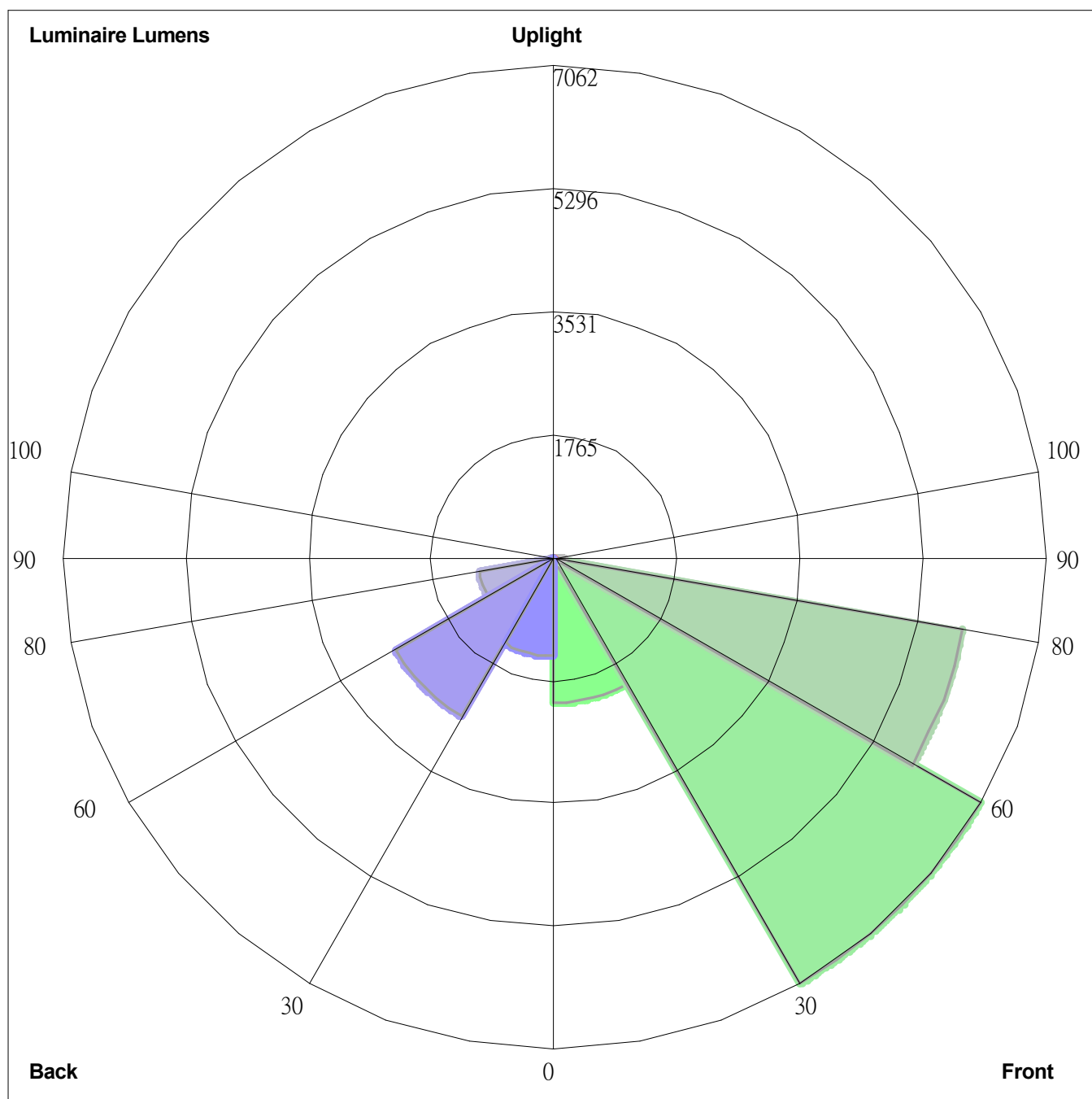


Maximum Candela = 8617.83 Located At Horizontal Angle = 50, Vertical Angle = 64.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (64.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 2085.0, Medium=7061.9, High=5948.4, Very High=126.9
Back: Low=1415.2, Medium=2635.9, High=1095.7, Very High=64.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3