



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCM4-60J-MV-27K-4-XX-215 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Scaled from NVLAP LM-79 for GCM4-60J-MV-30K-4-XX-240-PCR7
[ISSUE DATE] 11/10/2022
[MANUFAC] Leotek Electronics USA LLC
[LUMCAT] GCM4-60J-MV-27K-4-XX-215

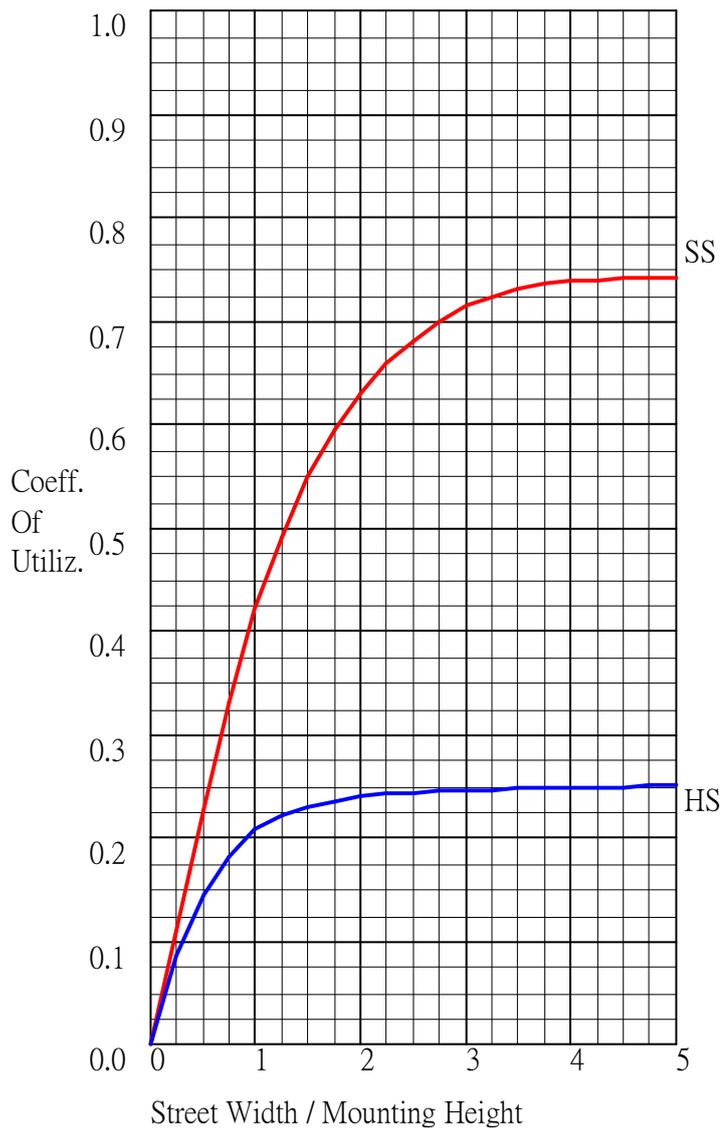
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21141
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	148
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8958.408
Maximum Candela Angle	50H 64.5V
Maximum Candela (<90 Degrees Vertical)	8958.408
Maximum Candela At 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	2296.973 (10.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2152.7	N.A.	10.2
FM - Front-Medium (30-60)	7315.9	N.A.	34.6
FH - Front-High (60-80)	6170.2	N.A.	29.2
FVH - Front-Very High (80-90)	133.3	N.A.	0.6
BL - Back-Low (0-30)	1459.4	N.A.	6.9
BM - Back-Medium (30-60)	2717.2	N.A.	12.9
BH - Back-High (60-80)	1127.0	N.A.	5.3
BVH - Back-Very High (80-90)	65.7	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	21141.4	N.A.	100.0
BUG Rating	B3-U0-G3		

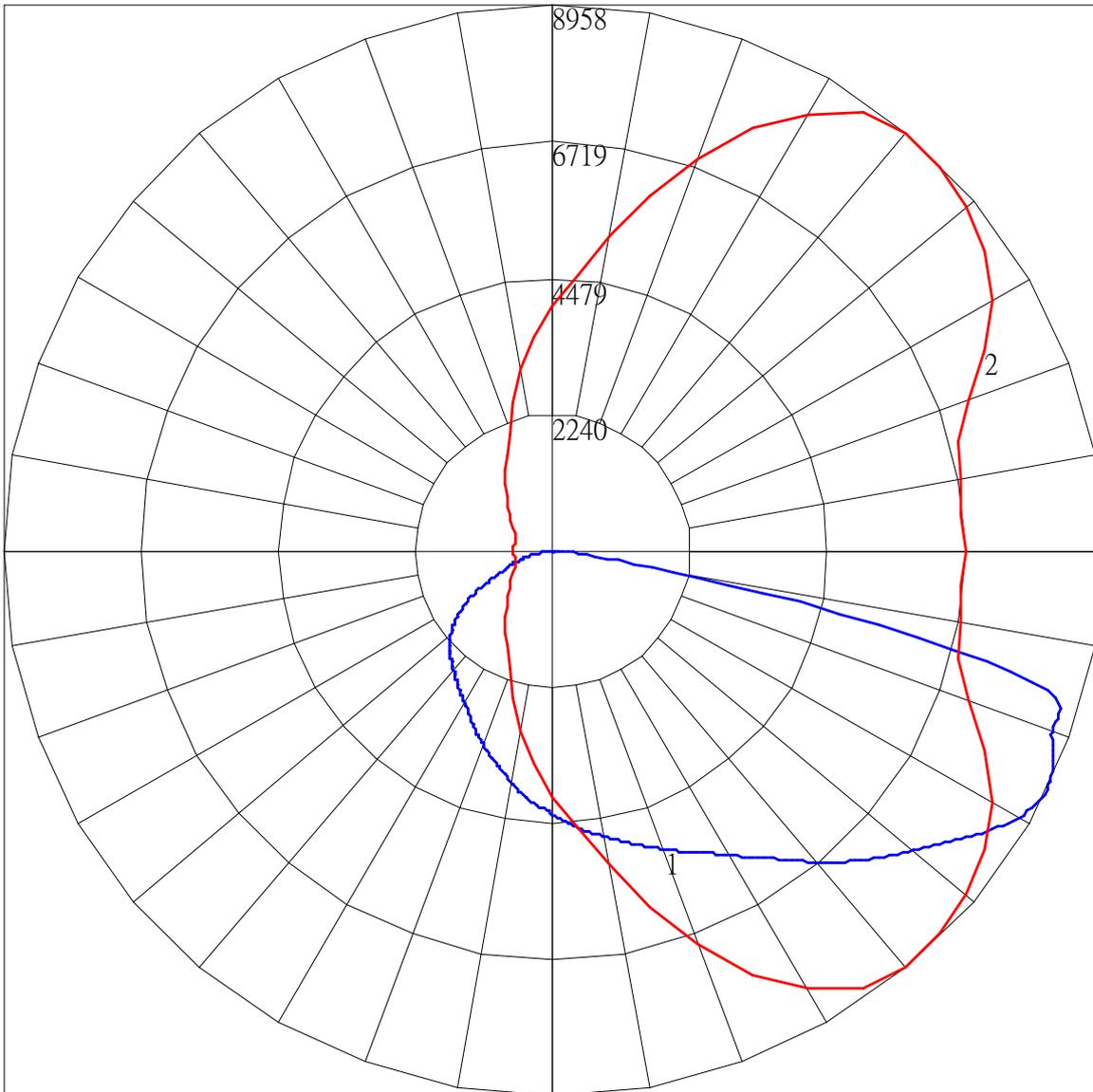
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

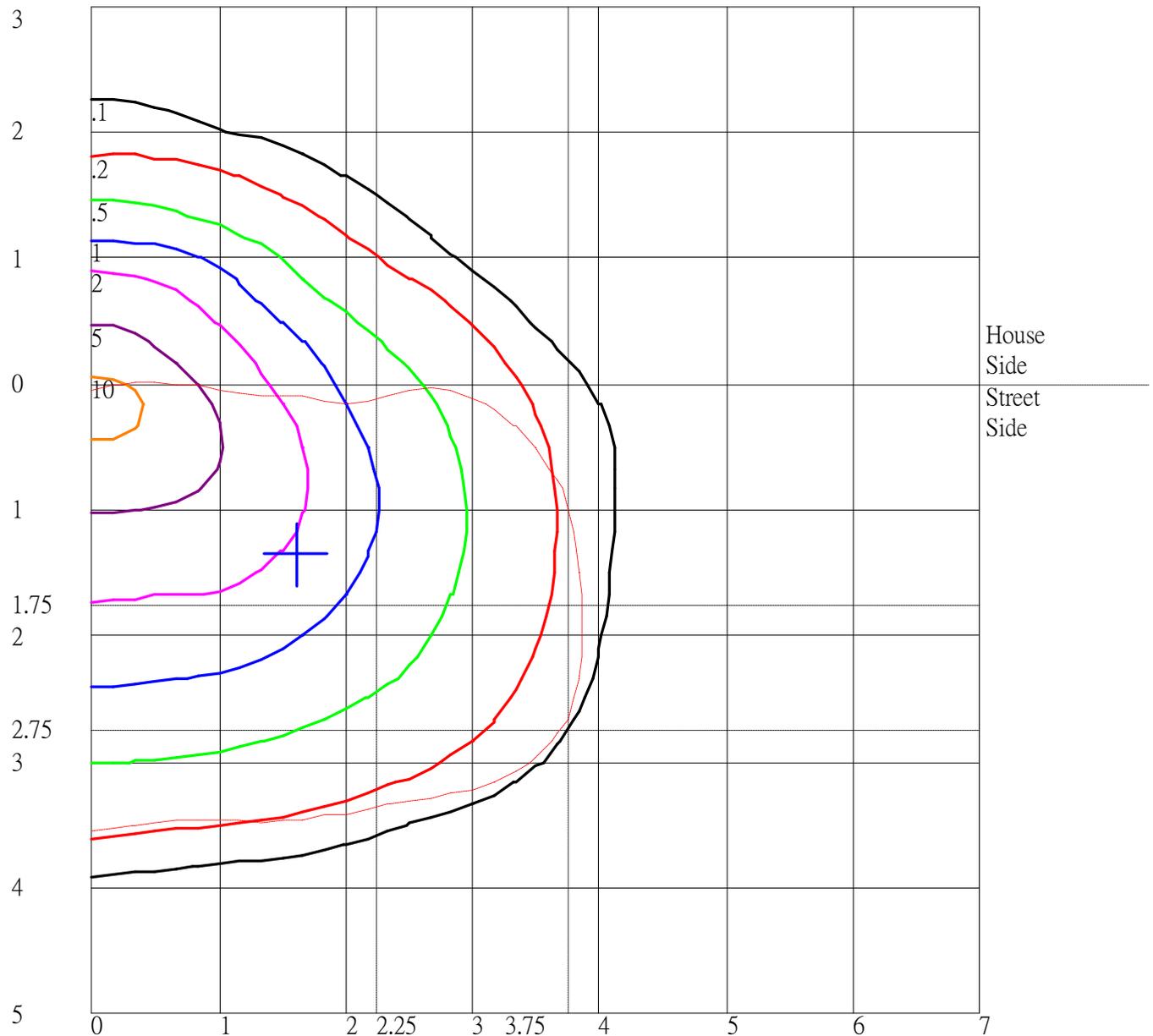
	Lumens	Percent Of Luminaire
Downward Street Side	15772.1	74.6
Downward House Side	5369.4	25.4
Downward Total	21141.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	21141.5	100.0

POLAR GRAPH



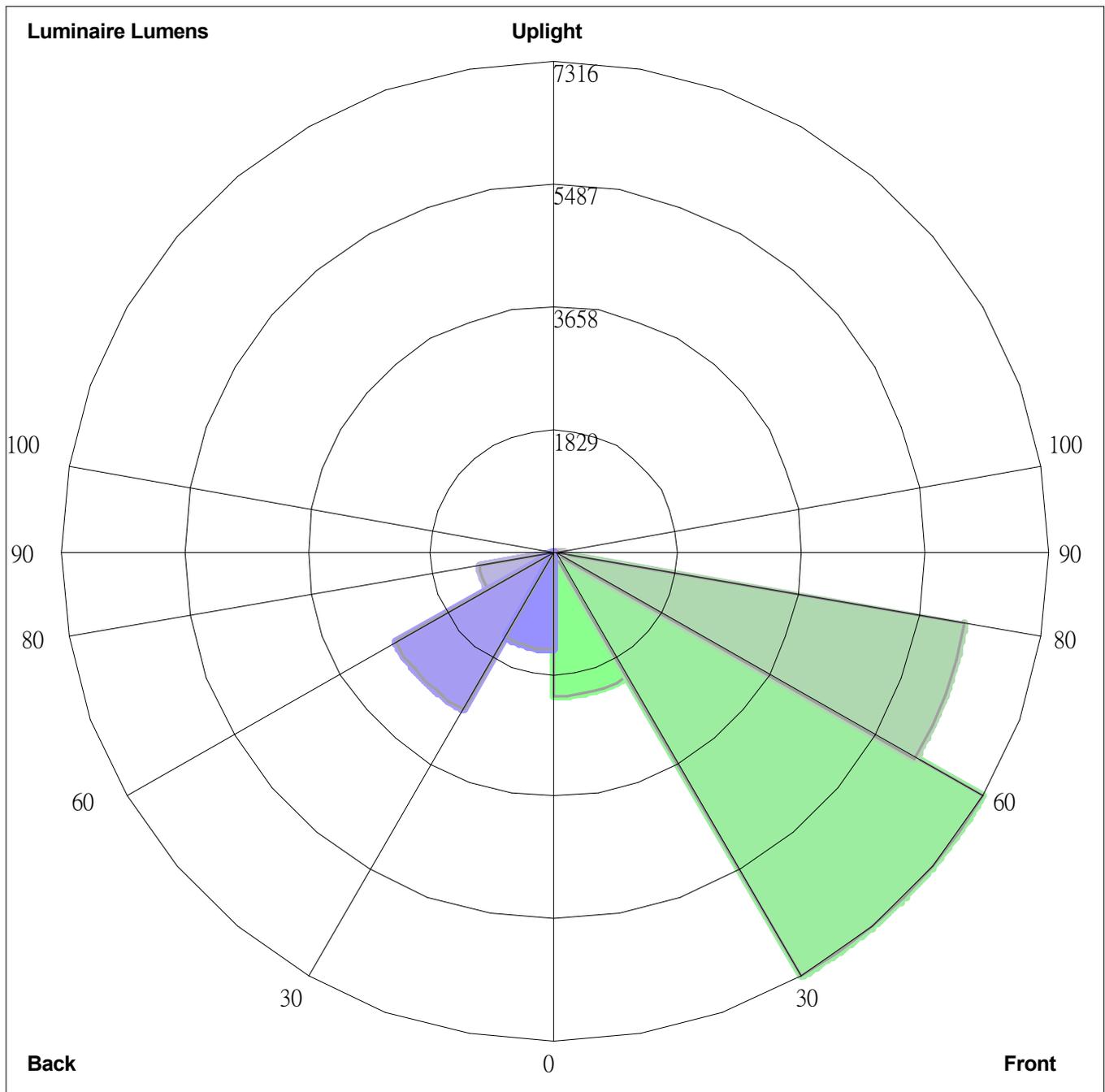
Maximum Candela = 8958.408 Located At Horizontal Angle = 50, Vertical Angle = 64.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (64.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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=2152.7, Medium=7315.9, High=6170.2, Very High=133.3
Back: Low=1459.4, Medium=2717.2, High= 1127.0, Very High=65.7
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3