



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-4-XX-300 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-4-XX-325

[ISSUE DATE] 12/16/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL3-80J-MV-27K-4-XX-300

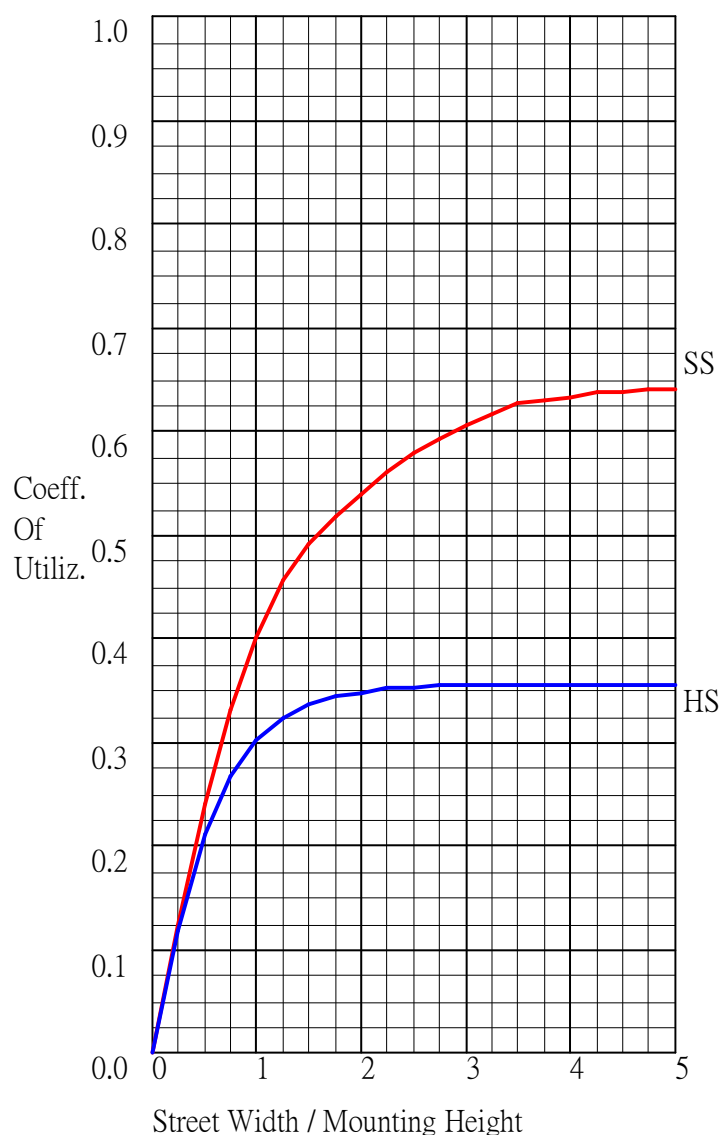
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30119
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	248
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	16959.204
Maximum Candela Angle	280H 70V
Maximum Candela (<90 Degrees Vertical)	16959.204
Maximum Candela Angle (<90 Degrees Vertical)	280H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1380.59 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3117.9	N.A.	10.4
FM - Front-Medium (30-60)	8870.8	N.A.	29.5
FH - Front-High (60-80)	7314.0	N.A.	24.3
FVH - Front-Very High (80-90)	79.6	N.A.	0.3
BL - Back-Low (0-30)	2678.1	N.A.	8.9
BM - Back-Medium (30-60)	6250.2	N.A.	20.8
BH - Back-High (60-80)	1798.1	N.A.	6.0
BVH - Back-Very High (80-90)	10.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	30119.2	N.A.	100.0
BUG Rating	B4-U0-G3		

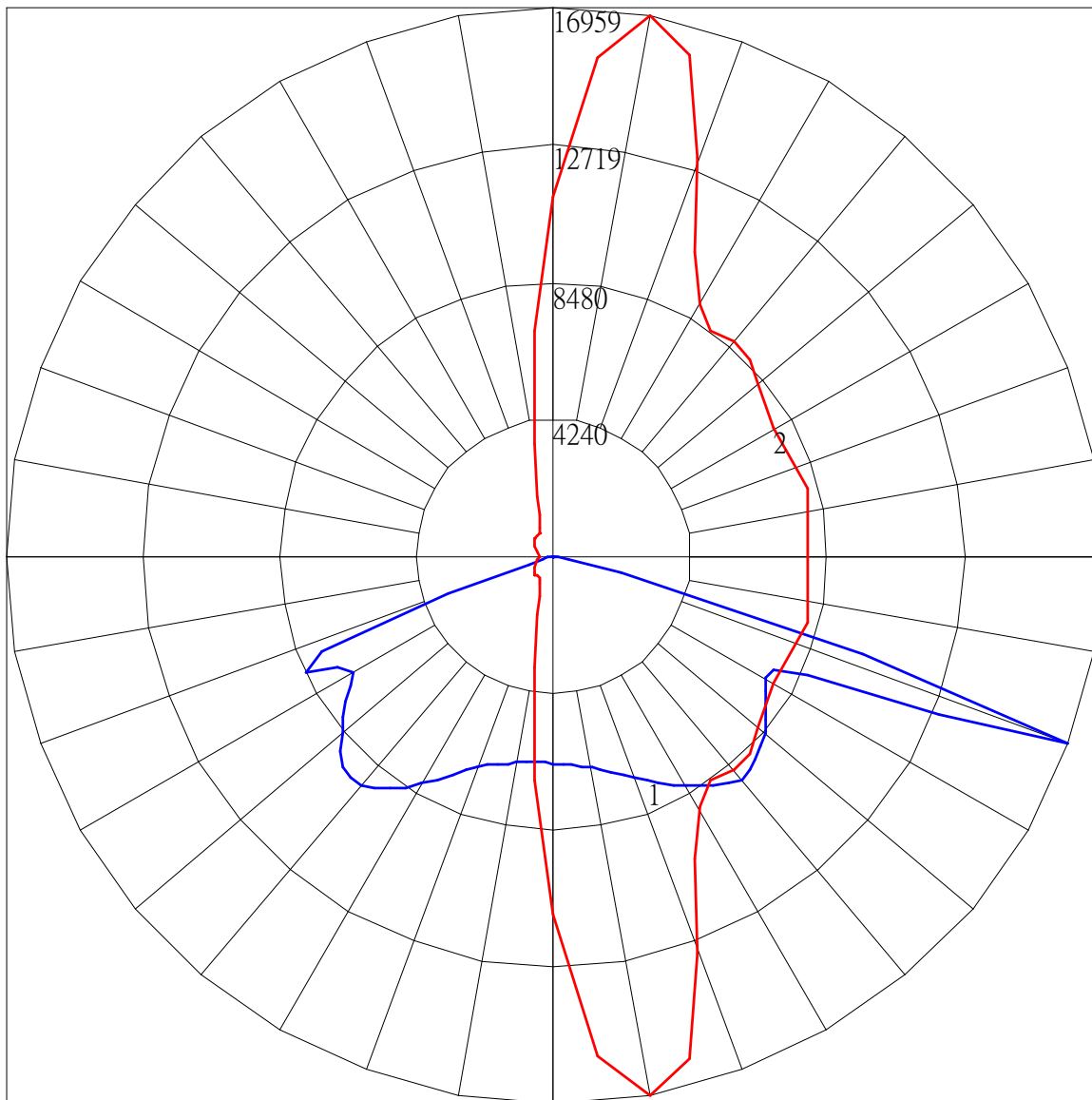
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	19382.3	64.4
Downward House Side	10736.8	35.6
Downward Total	30119.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	30119.1	100.0

POLAR GRAPH

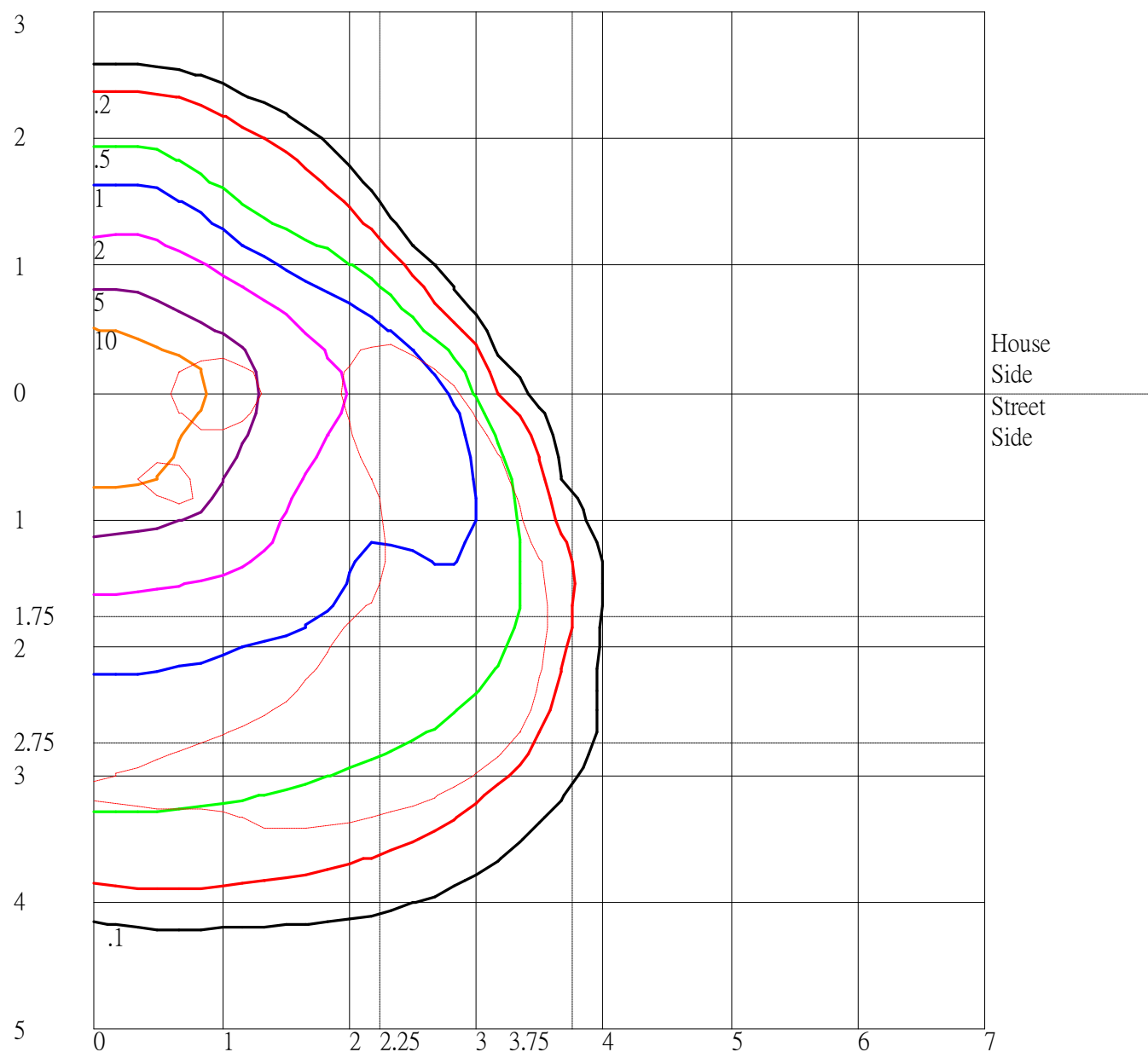


Maximum Candela = 16959.204 Located At Horizontal Angle = 280, Vertical Angle = 70

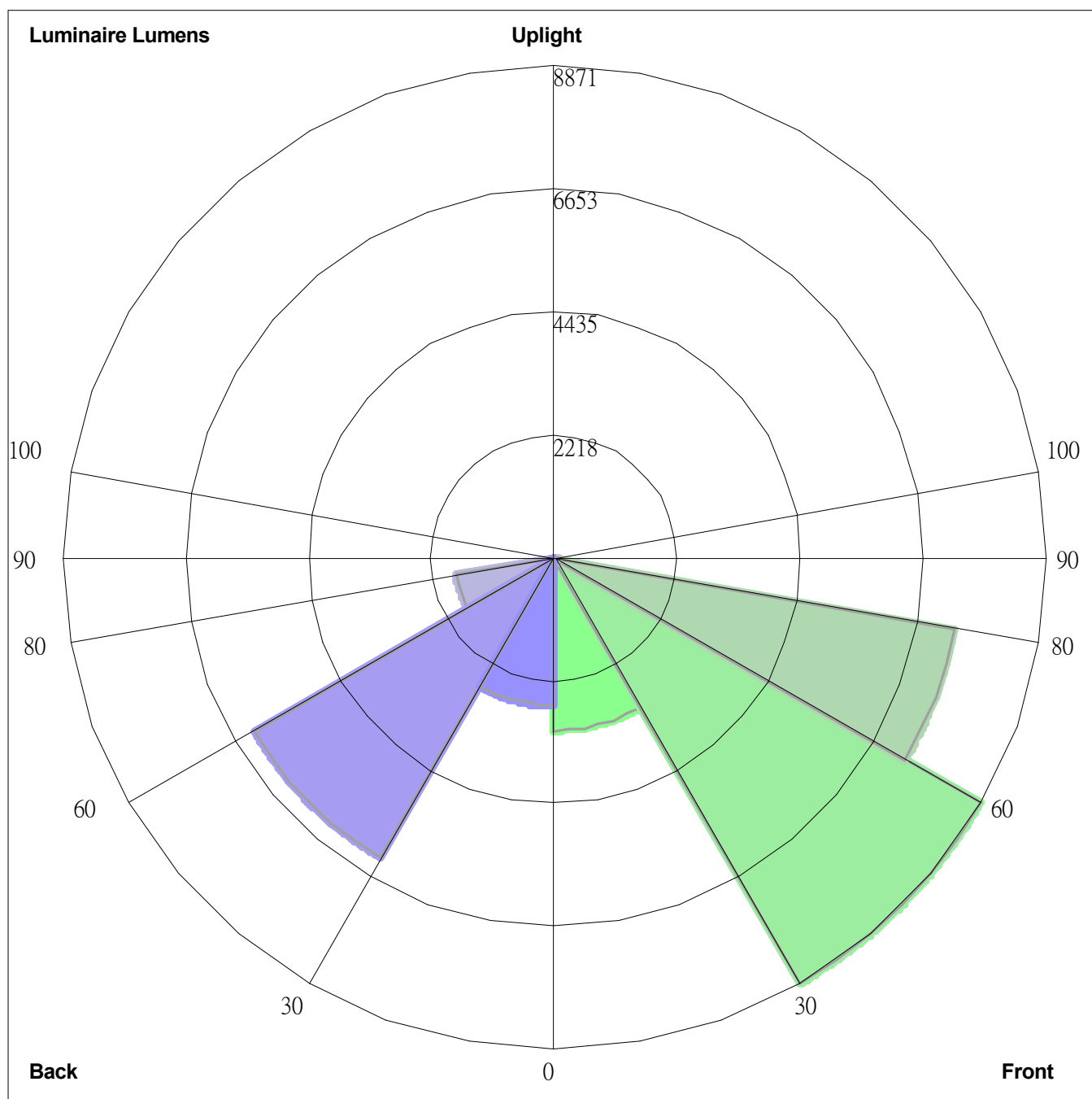
1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3117.9, Medium=8870.8, High= 7314.0, Very High=79.6
Back: Low=2678.1, Medium=6250.2, High=1798.1, Very High=10.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G3