



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-2R-XX-270 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] IScaled from NVLAP LM-79 for GCL3-80J-MV-30K-2R-XX-285

[ISSUEDATE] 12/17/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL3-80J-MV-27K-2R-XX-270

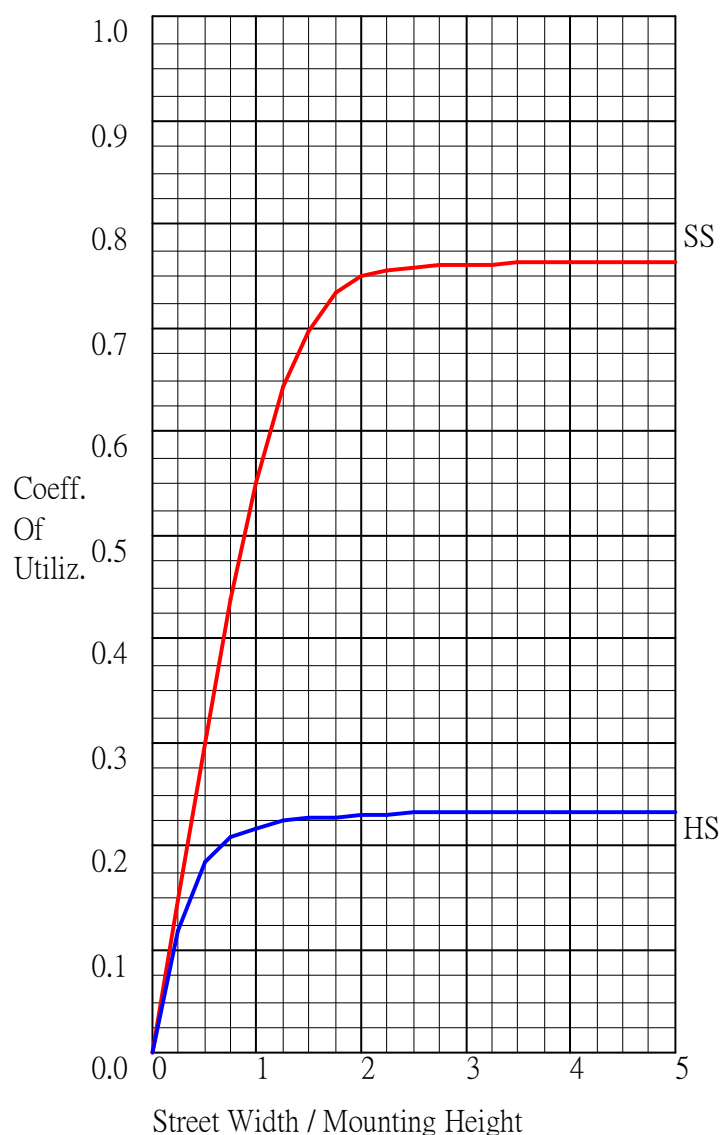
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	26759
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	211.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	19755.25
Maximum Candela Angle	280H 72.5V
Maximum Candela (<90 Degrees Vertical)	19755.25
Maximum Candela Angle (<90 Degrees Vertical)	280H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4717.985 (17.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2952.9	N.A.	11.0
FM - Front-Medium (30-60)	11025.6	N.A.	41.2
FH - Front-High (60-80)	6344.0	N.A.	23.7
FVH - Front-Very High (80-90)	154.8	N.A.	0.6
BL - Back-Low (0-30)	1894.5	N.A.	7.1
BM - Back-Medium (30-60)	2926.6	N.A.	10.9
BH - Back-High (60-80)	1416.1	N.A.	5.3
BVH - Back-Very High (80-90)	44.0	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	26758.5	N.A.	100.0
BUG Rating	B3-U0-G3		

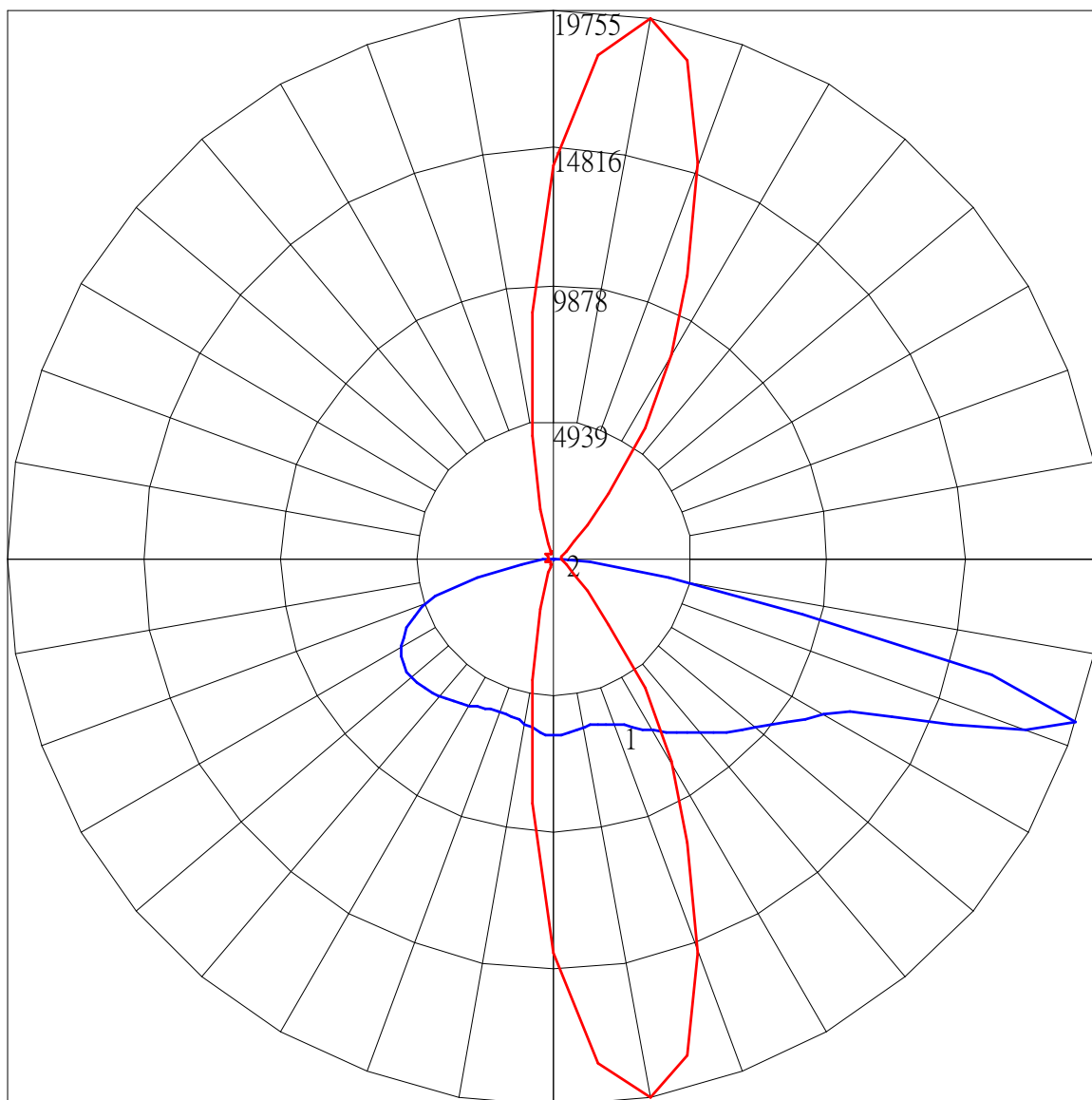
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	20477.4	76.5
Downward House Side	6281.2	23.5
Downward Total	26758.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	26758.6	100.0

POLAR GRAPH

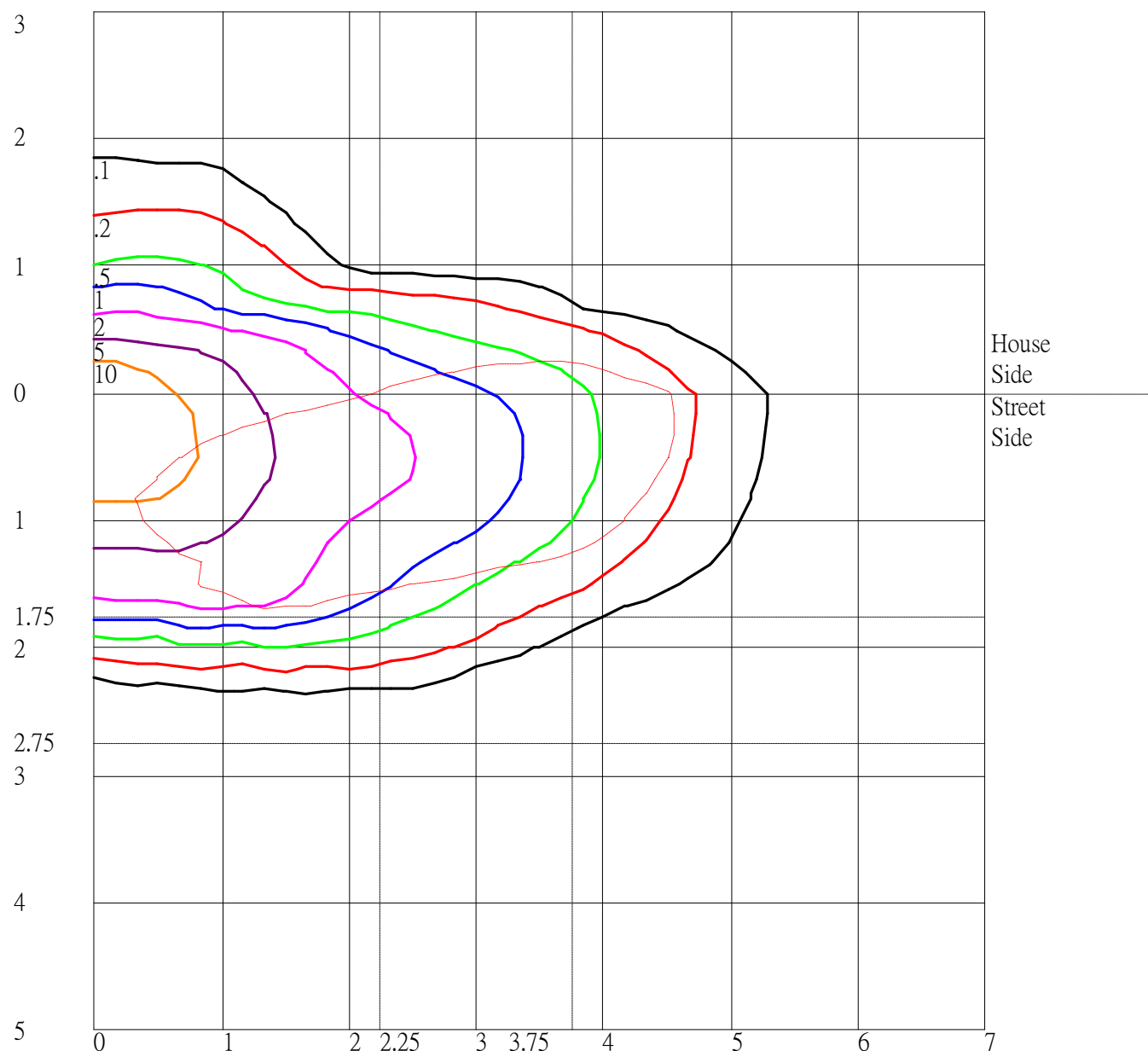


Maximum Candela = 19755.25 Located At Horizontal Angle = 280, Vertical Angle = 72.5

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

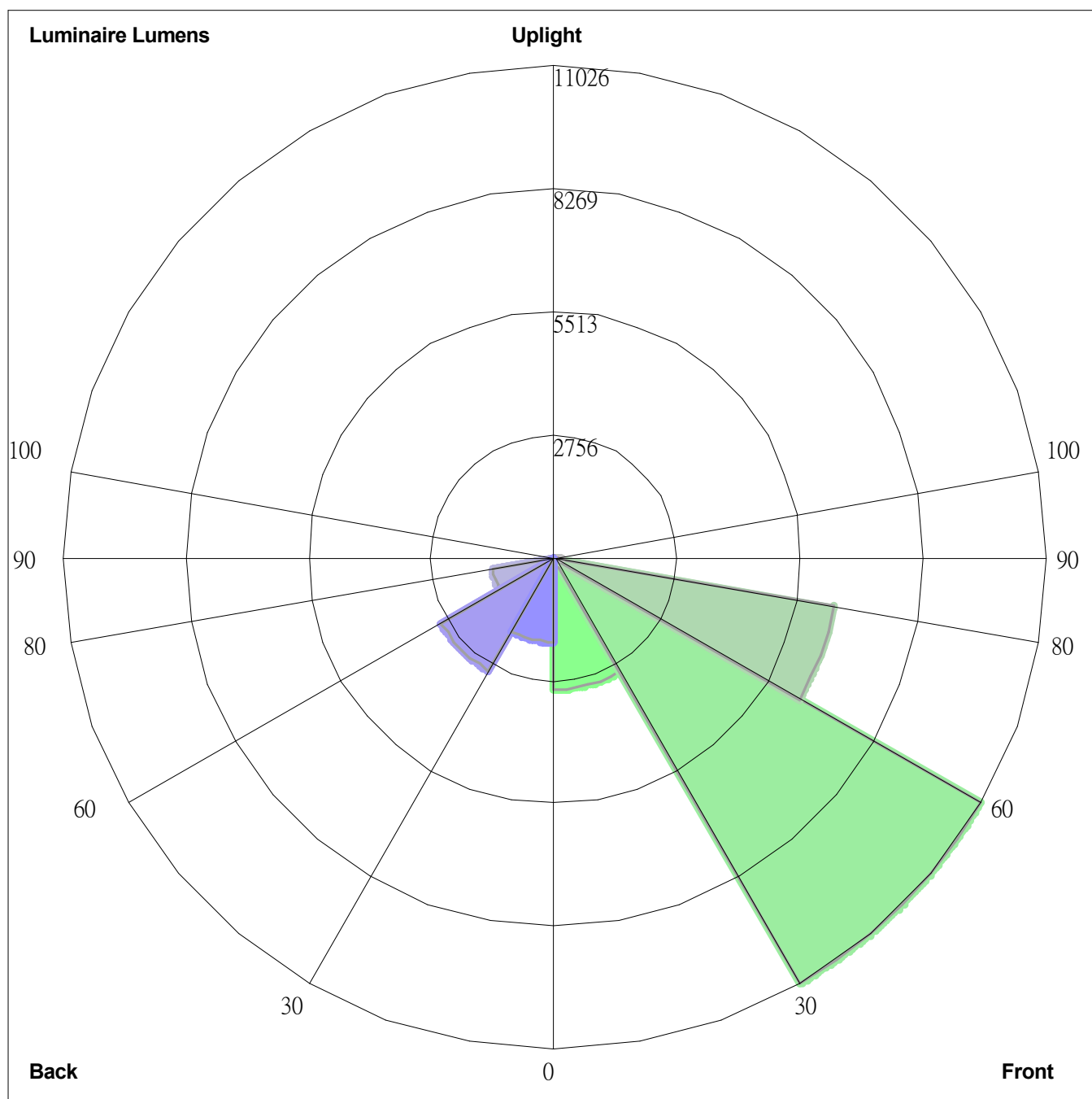
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=2952.9, Medium=11025.6, High= 6344.0, Very High=154.8  
Back: Low=1894.5, Medium=2926.6, High=1416.1, Very High=44.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3