



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-3R-XX-270 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL-80J-MV-30K-3R-XX-285

[ISSUEDATE] 12/16/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL-80J-MV-27K-3R-XX-270

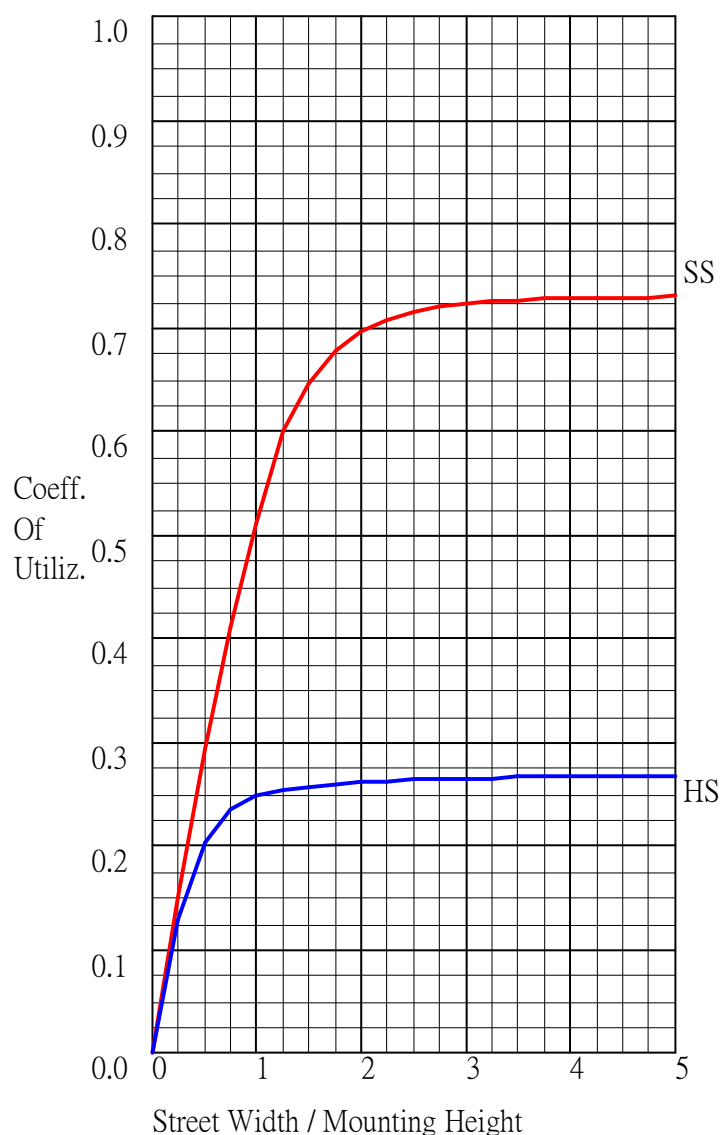
### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	26788
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	212.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14347.375
Maximum Candela Angle	275H 72.5V
Maximum Candela (<90 Degrees Vertical)	14347.375
Maximum Candela Angle (<90 Degrees Vertical)	275H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1597.045 (6.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3270.6	N.A.	12.2
FM - Front-Medium (30-60)	9901.9	N.A.	37.0
FH - Front-High (60-80)	6325.3	N.A.	23.6
FVH - Front-Very High (80-90)	105.1	N.A.	0.4
BL - Back-Low (0-30)	2109.2	N.A.	7.9
BM - Back-Medium (30-60)	3051.3	N.A.	11.4
BH - Back-High (60-80)	1985.7	N.A.	7.4
BVH - Back-Very High (80-90)	39.2	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	26788.3	N.A.	100.0
BUG Rating	B3-U0-G3		

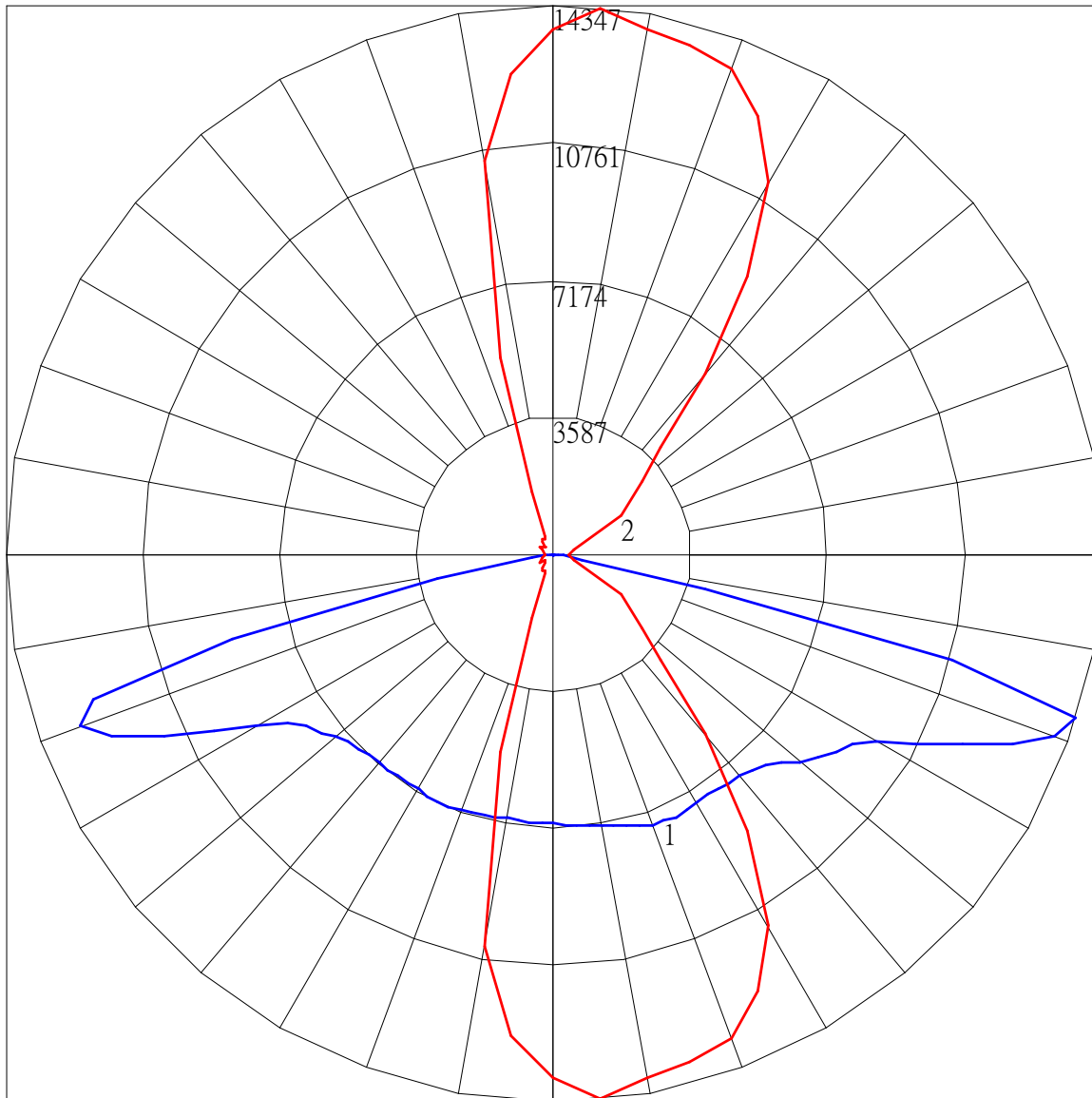
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	19602.9	73.2
Downward House Side	7185.4	26.8
Downward Total	26788.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	26788.3	100.0

POLAR GRAPH

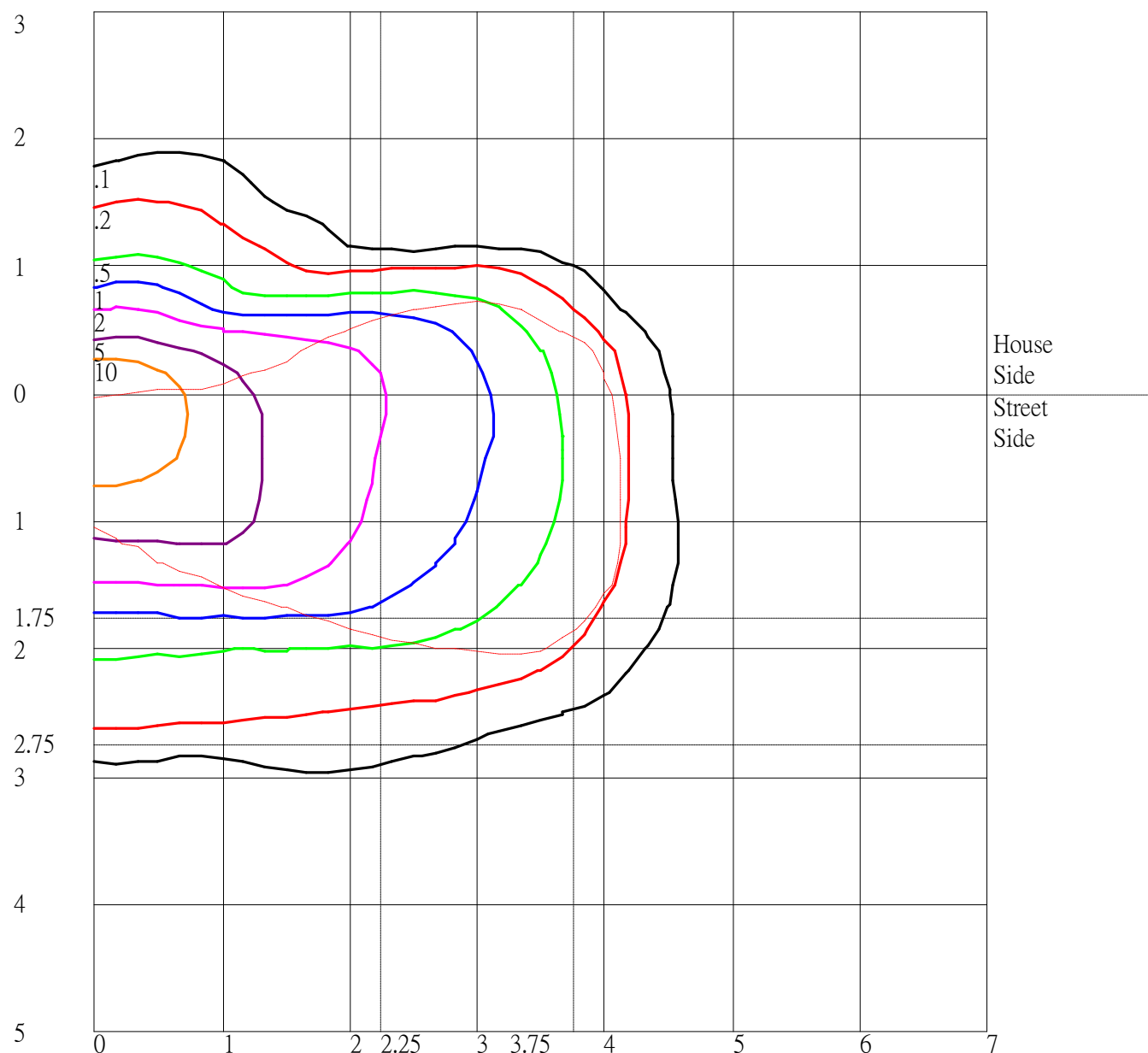


Maximum Candela = 14347.375 Located At Horizontal Angle = 275, Vertical Angle = 72.5

# 1 - Vertical Plane Through Horizontal Angles (275 - 95) (Through Max. Cd.)

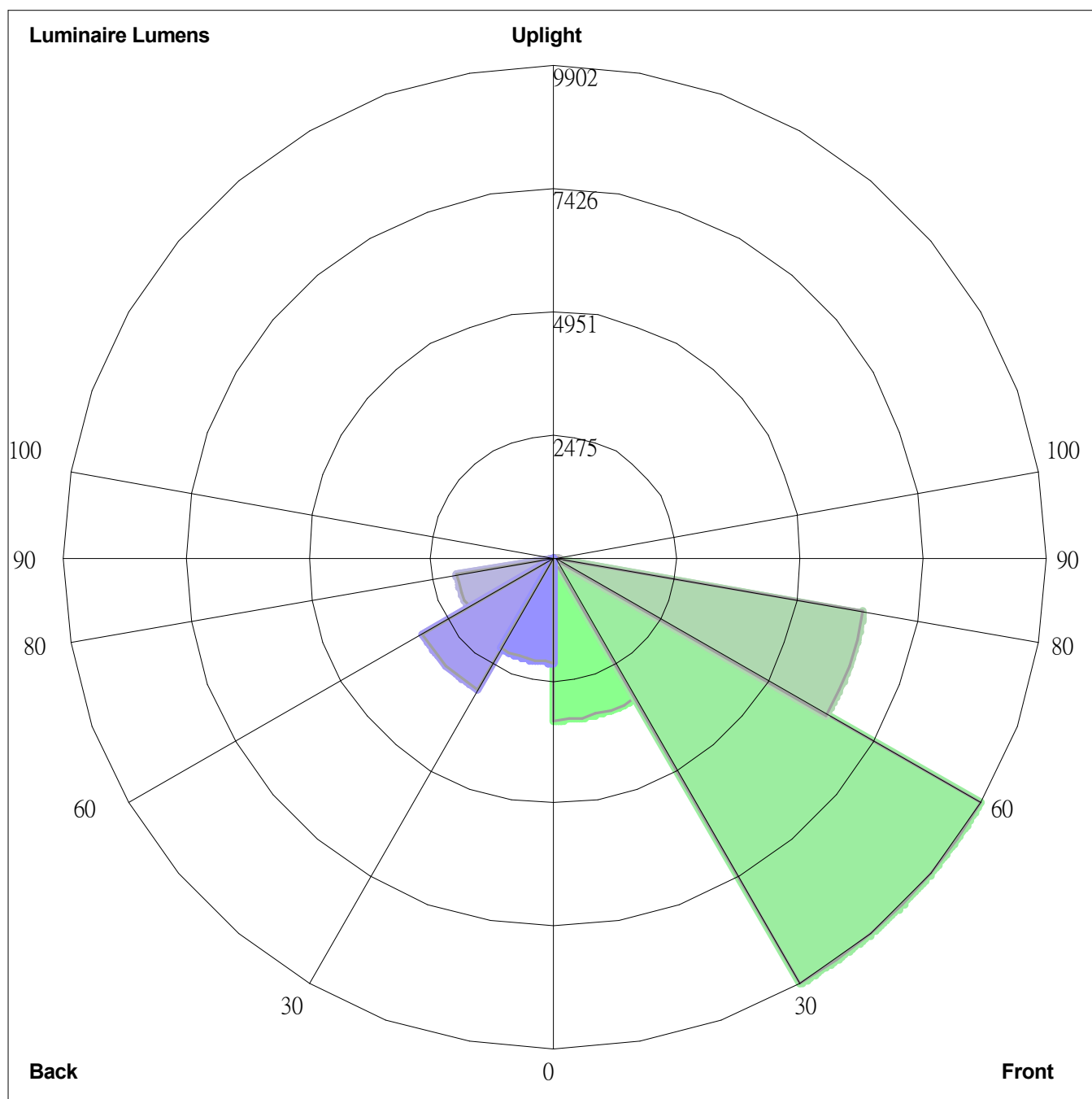
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=3270.6, Medium=9901.9, High=6325.3, Very High=105.1  
Back: Low=2109.2, Medium=3051.3, High=1985.7, Very High=39.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3