



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-3F-XX-300 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-3F-XX-325

[ISSUEDATE] 12/16/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL3-80J-MV-27K-3F-XX-300

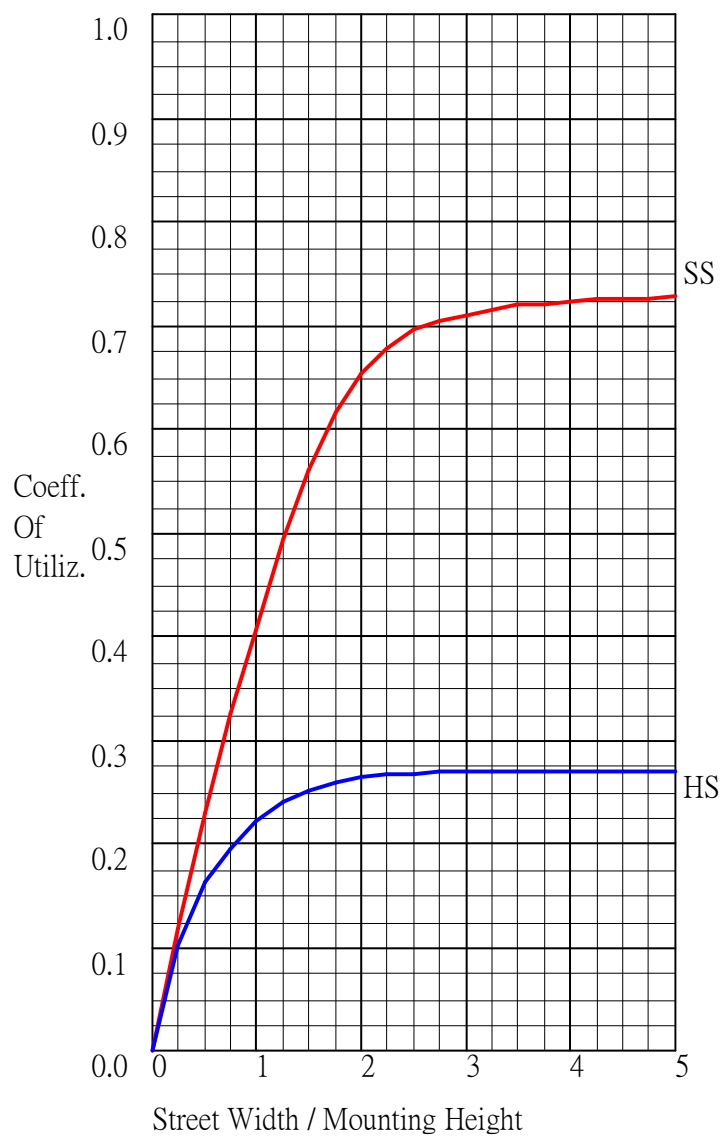
### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30096
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	19484.667
Maximum Candela Angle	305H 72.5V
Maximum Candela (<90 Degrees Vertical)	19484.667
Maximum Candela Angle (<90 Degrees Vertical)	305H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1907.407 (6.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2614.2	N.A.	8.7
FM - Front-Medium (30-60)	10127.2	N.A.	33.6
FH - Front-High (60-80)	9093.0	N.A.	30.2
FVH - Front-Very High (80-90)	114.0	N.A.	0.4
BL - Back-Low (0-30)	2287.4	N.A.	7.6
BM - Back-Medium (30-60)	4334.7	N.A.	14.4
BH - Back-High (60-80)	1512.3	N.A.	5.0
BVH - Back-Very High (80-90)	13.2	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	30096.0	N.A.	100.0
BUG Rating	B3-U0-G4		

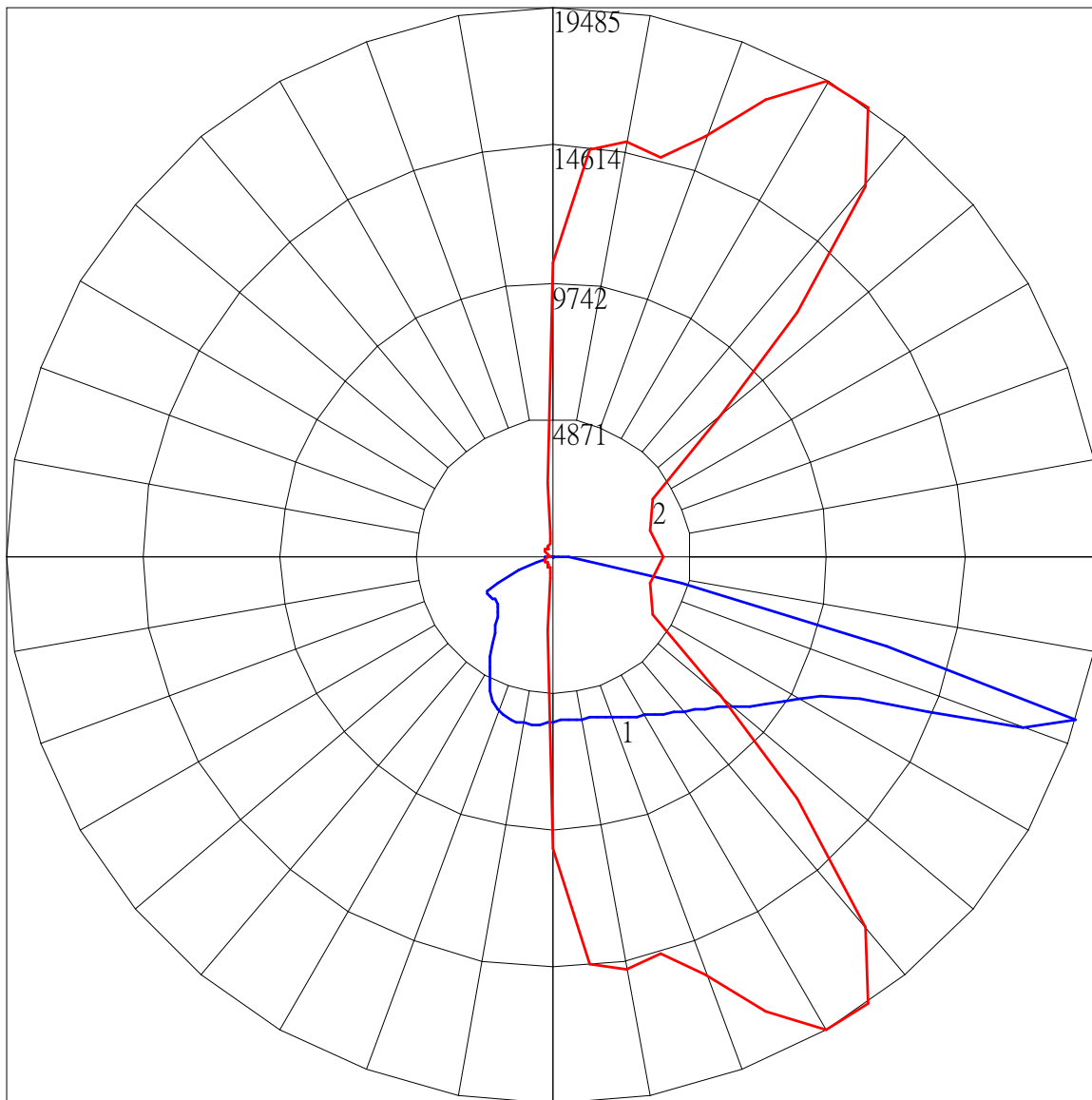
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	21948.5	72.9
Downward House Side	8147.6	27.1
Downward Total	30096.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	30096.1	100.0

POLAR GRAPH

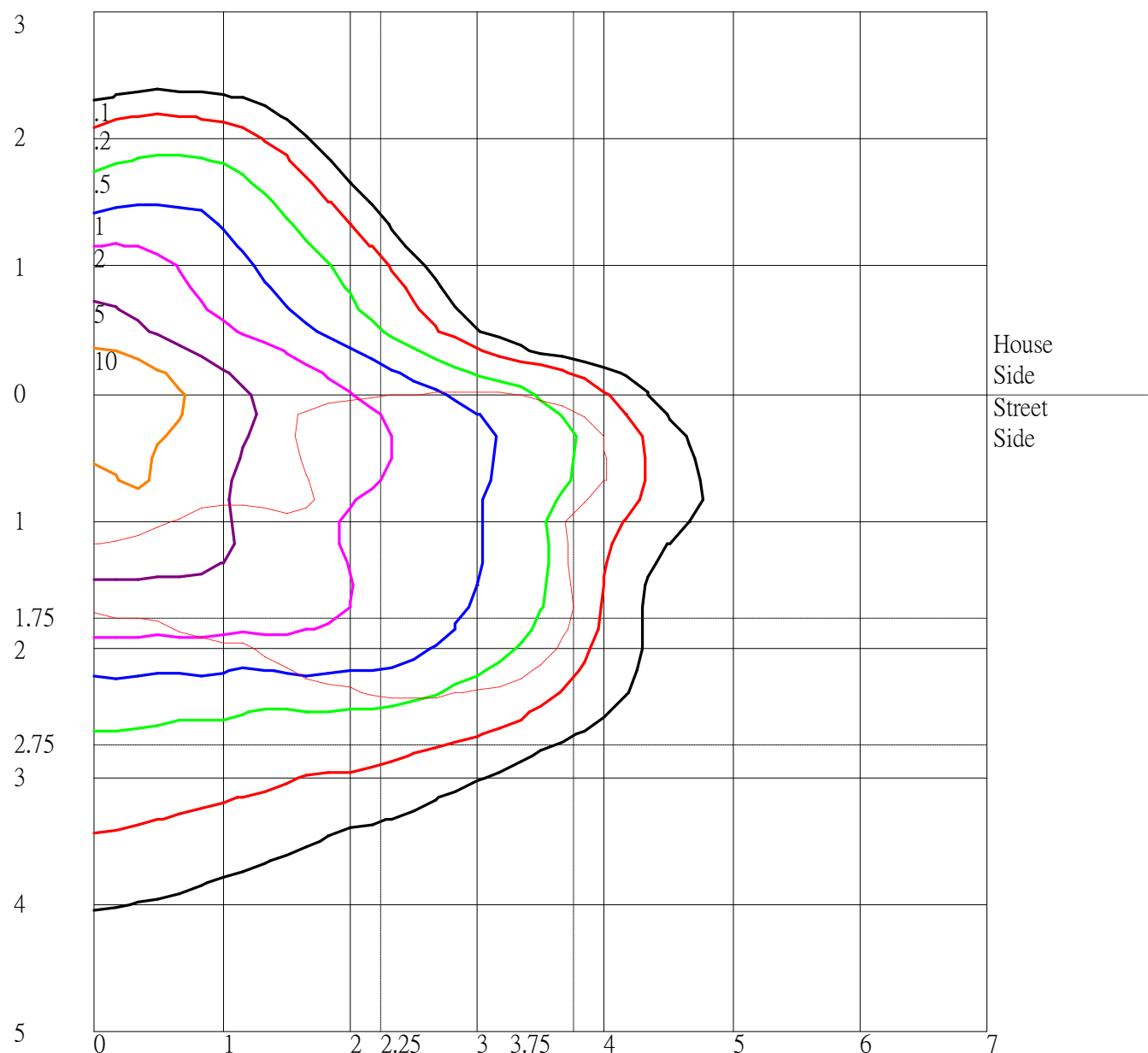


Maximum Candela = 19484.667 Located At Horizontal Angle = 305, Vertical Angle = 72.5

# 1 - Vertical Plane Through Horizontal Angles (305 - 125) (Through Max. Cd.)

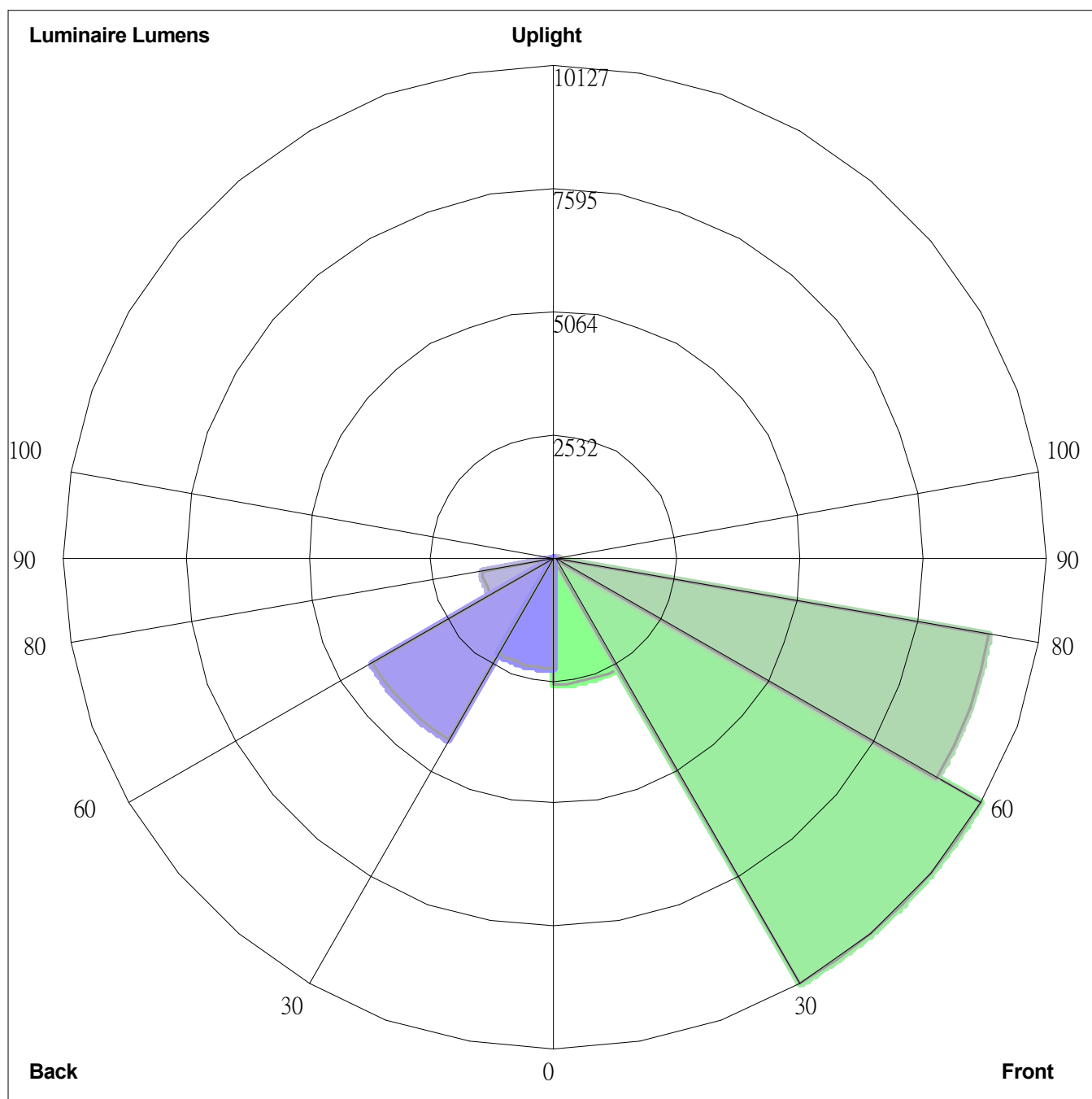
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=2614.2, Medium=10127.2, High= 9093.0, Very High=114.0  
Back: Low=2287.4, Medium=4334.7, High=1512.3, Very High=13.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4