



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-3F-XX-285

[ISSUE DATE] 12/16/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL3-80J-MV-27K-3F-XX-270

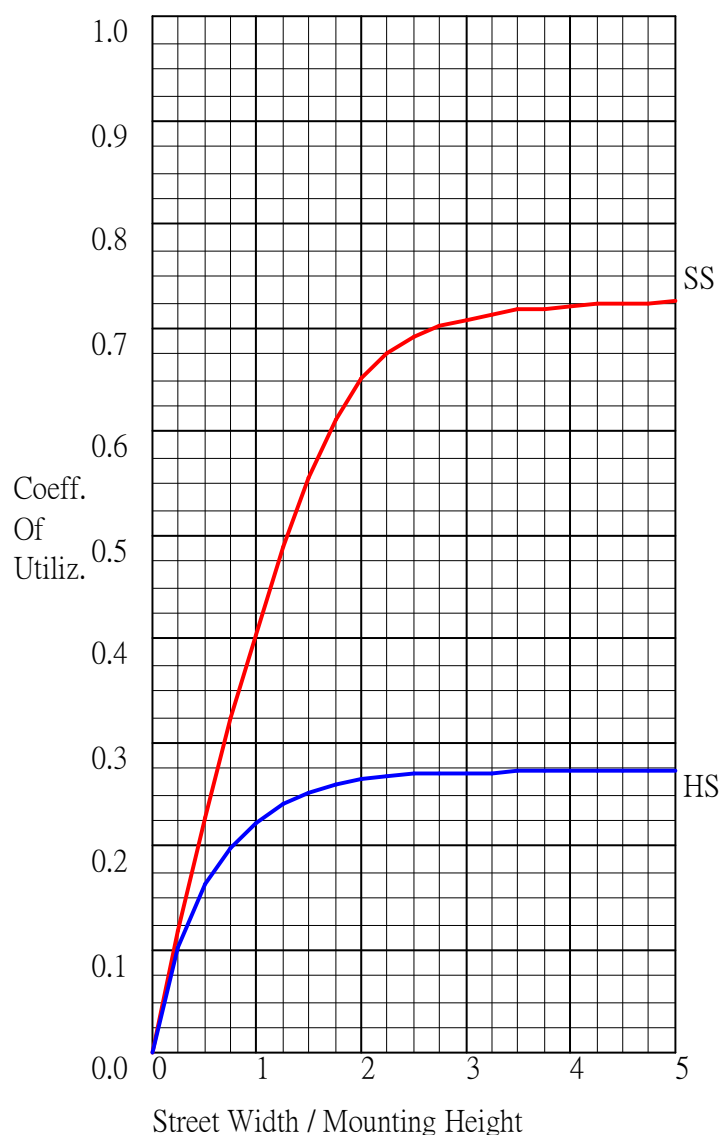
CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	27273
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	211.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	18072.325
Maximum Candela Angle	305H 72.5V
Maximum Candela (<90 Degrees Vertical)	18072.325
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	1849.65 (6.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2359.6	N.A.	8.7
FM - Front-Medium (30-60)	9076.1	N.A.	33.3
FH - Front-High (60-80)	8271.5	N.A.	30.3
FVH - Front-Very High (80-90)	119.2	N.A.	0.4
BL - Back-Low (0-30)	2070.8	N.A.	7.6
BM - Back-Medium (30-60)	3929.6	N.A.	14.4
BH - Back-High (60-80)	1421.8	N.A.	5.2
BVH - Back-Very High (80-90)	24.0	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	27272.6	N.A.	100.0
BUG Rating	B3-U0-G4		

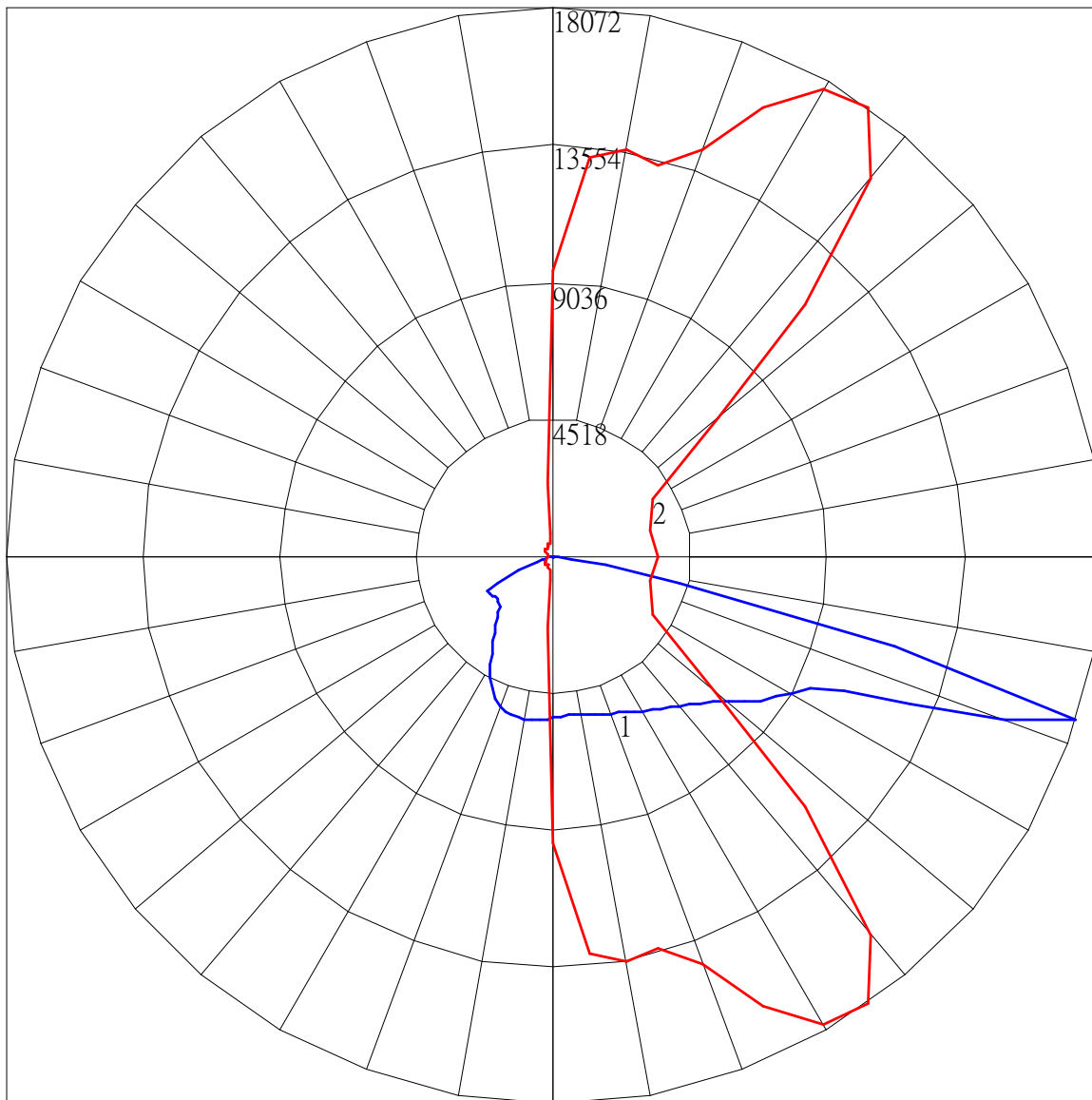
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	19826.3	72.7
Downward House Side	7446.3	27.3
Downward Total	27272.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	27272.6	100.0

POLAR GRAPH

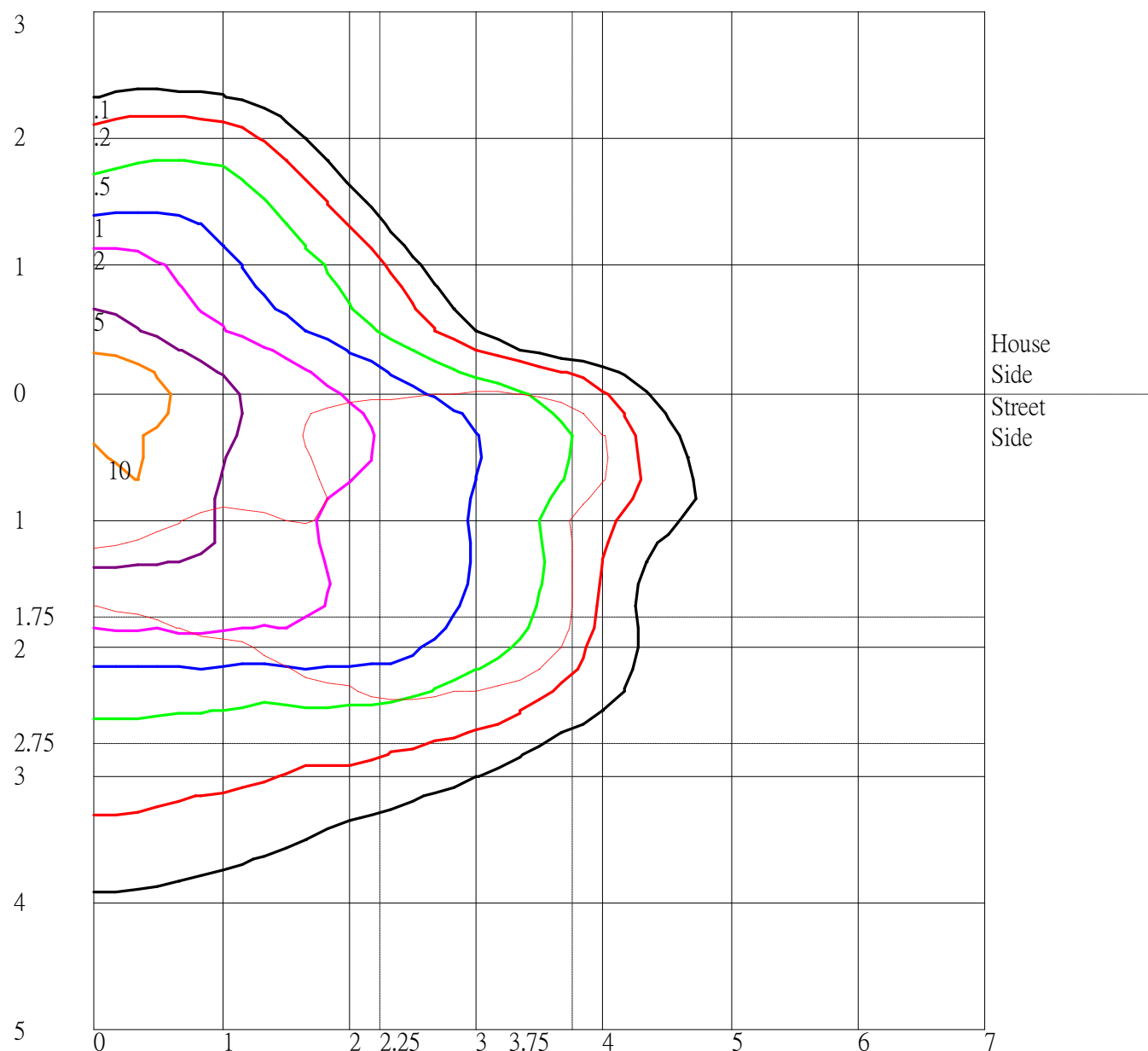


Maximum Candela = 18072.325 Located At Horizontal Angle = 305, Vertical Angle = 72.5

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

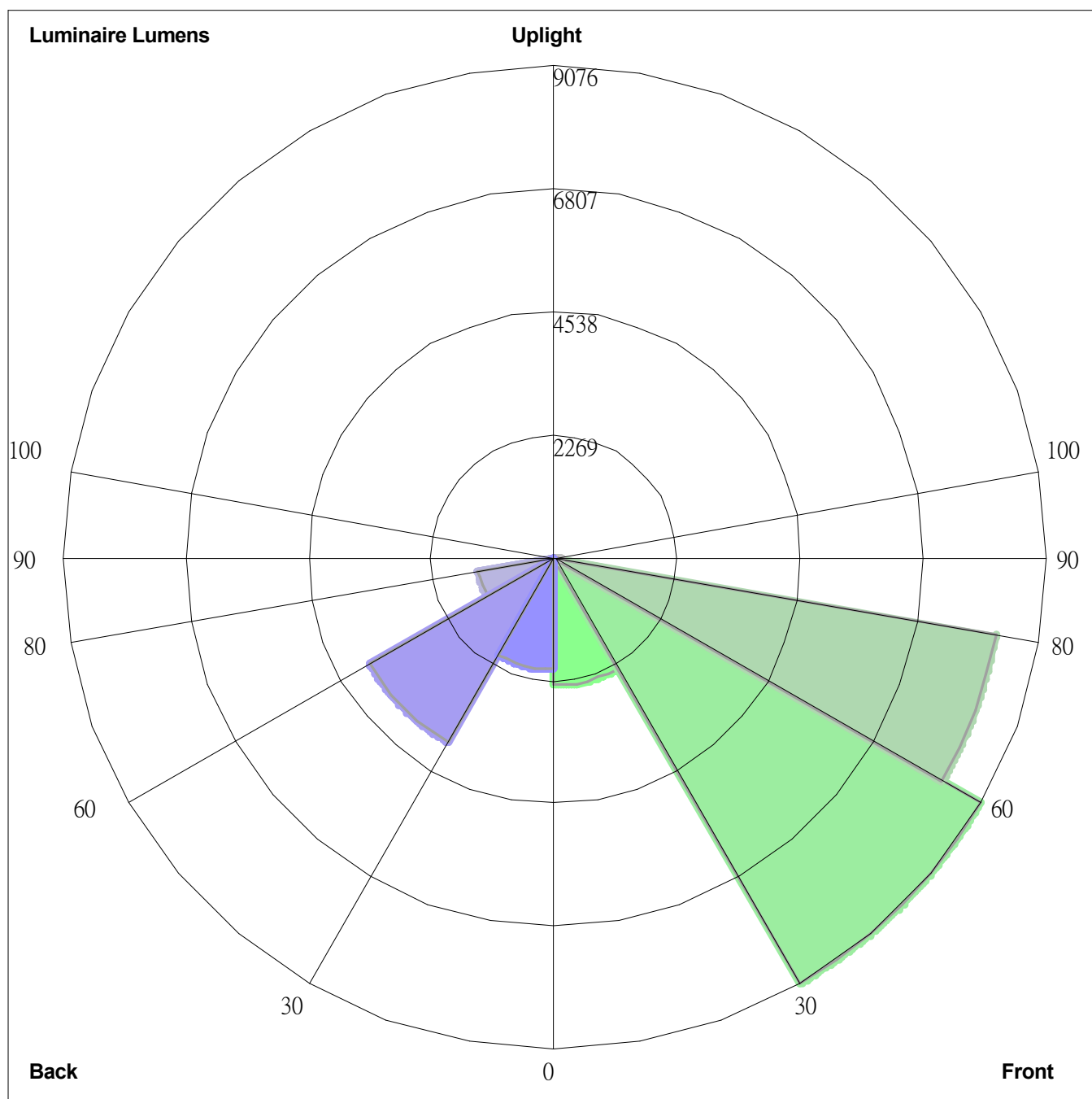
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=2359.6, Medium=9076.1, High=8271.5, Very High=119.2
Back: Low=2070.8, Medium=3929.6, High=1421.8, Very High=24.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4