



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-2S-XX-210 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-2S-XX-240

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-2S-XX-210

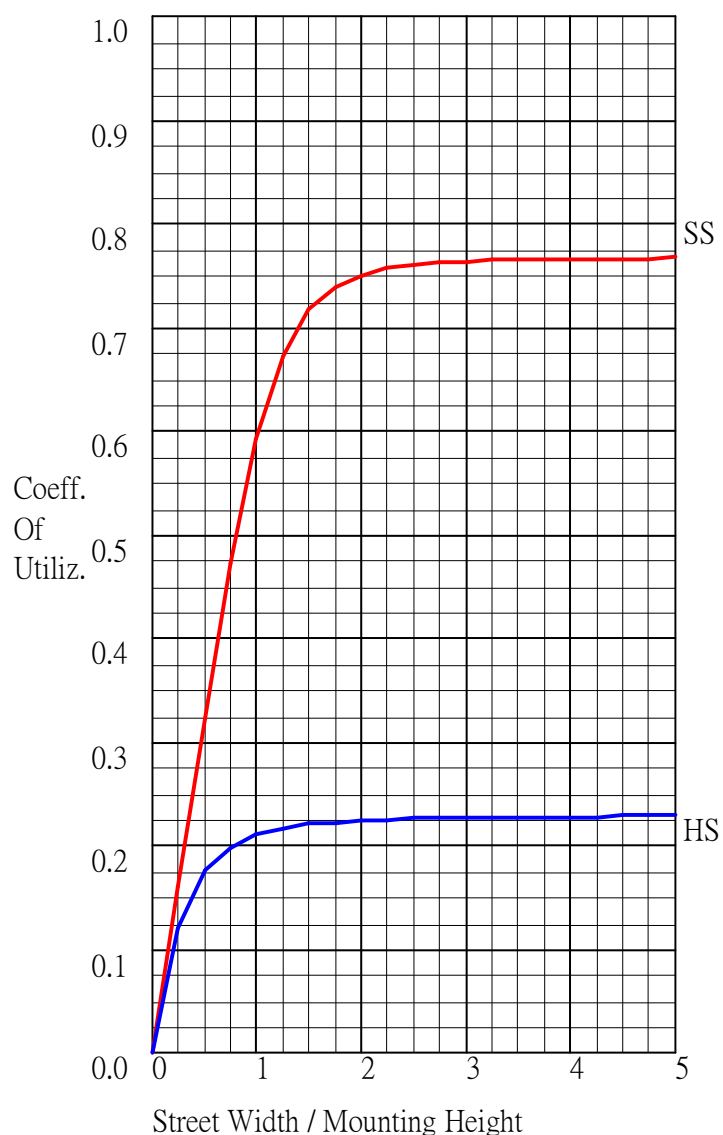
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20808
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	153
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12430.769
Maximum Candela Angle	60H 58.5V
Maximum Candela (<90 Degrees Vertical)	12430.769
Maximum Candela Angle (<90 Degrees Vertical)	60H 58.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1939.213 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3054.8	N.A.	14.7
FM - Front-Medium (30-60)	8940.8	N.A.	43.0
FH - Front-High (60-80)	3919.9	N.A.	18.8
FVH - Front-Very High (80-90)	103.5	N.A.	0.5
BL - Back-Low (0-30)	1899.4	N.A.	9.1
BM - Back-Medium (30-60)	1846.8	N.A.	8.9
BH - Back-High (60-80)	1010.7	N.A.	4.9
BVH - Back-Very High (80-90)	31.8	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	20807.7	N.A.	100.0
BUG Rating	B3-U0-G3		

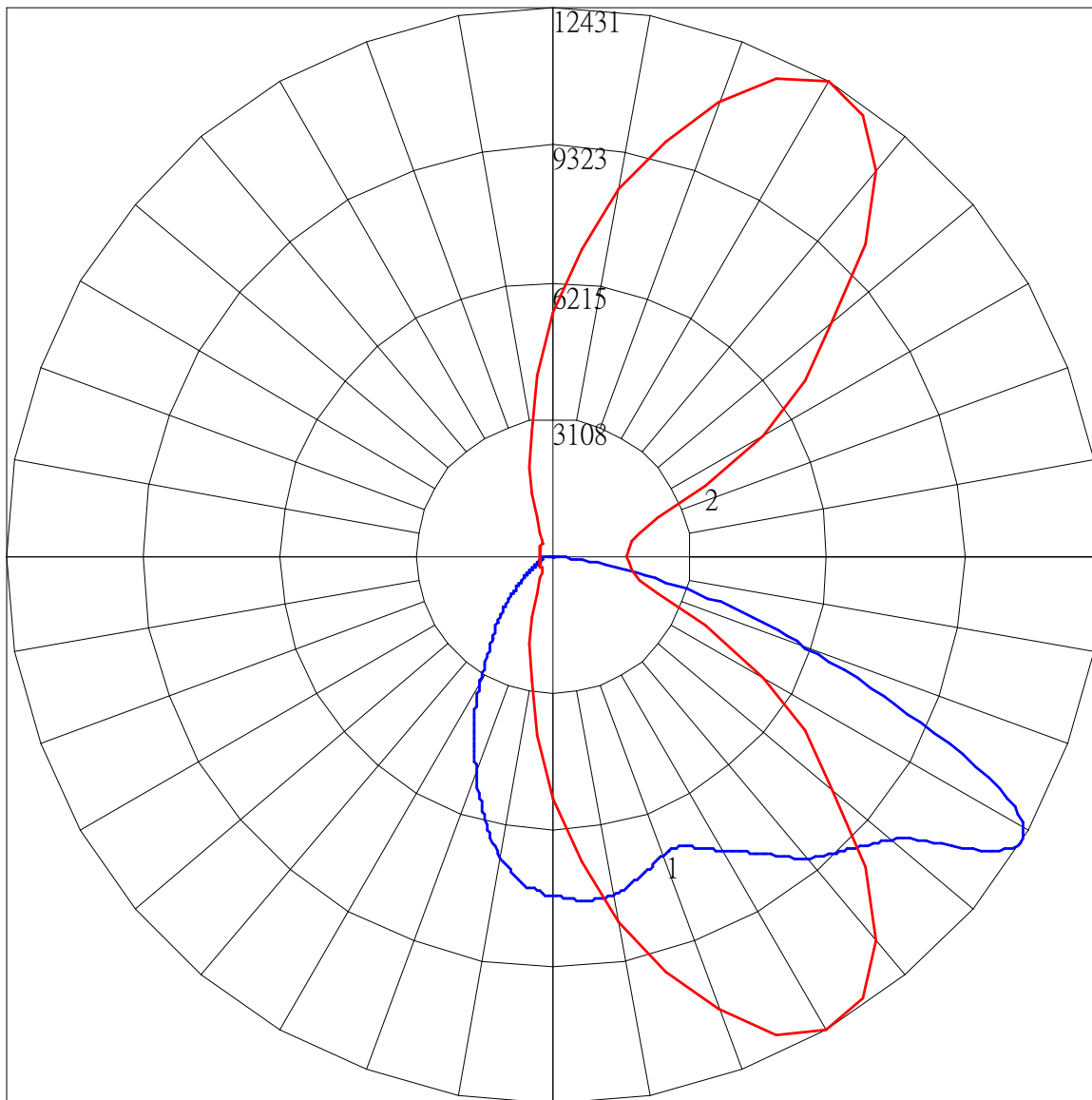
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	16019.0	77.0
Downward House Side	4788.7	23.0
Downward Total	20807.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20807.7	100.0

POLAR GRAPH

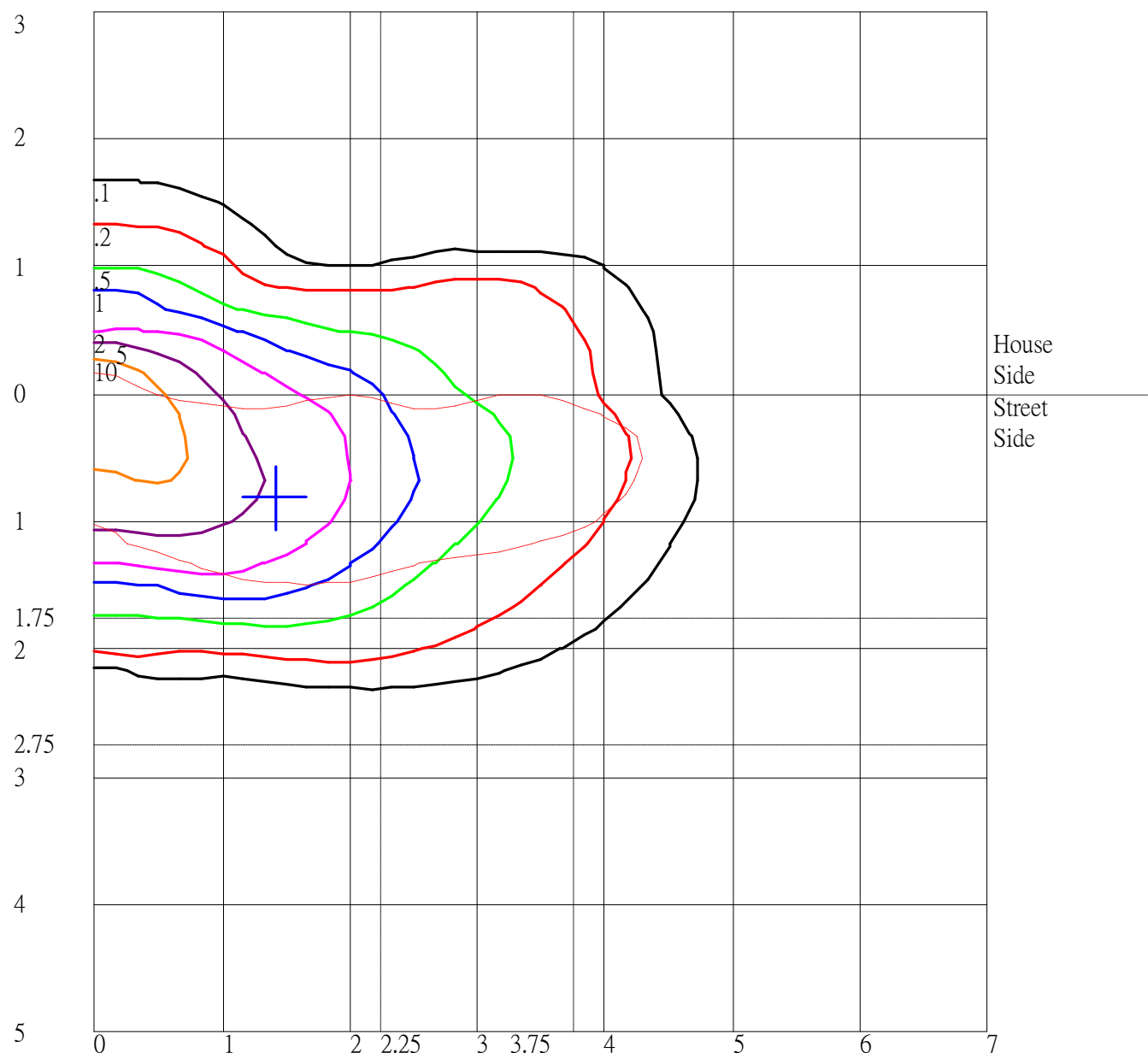


Maximum Candela = 12430.769 Located At Horizontal Angle = 60, Vertical Angle = 58.5

# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)

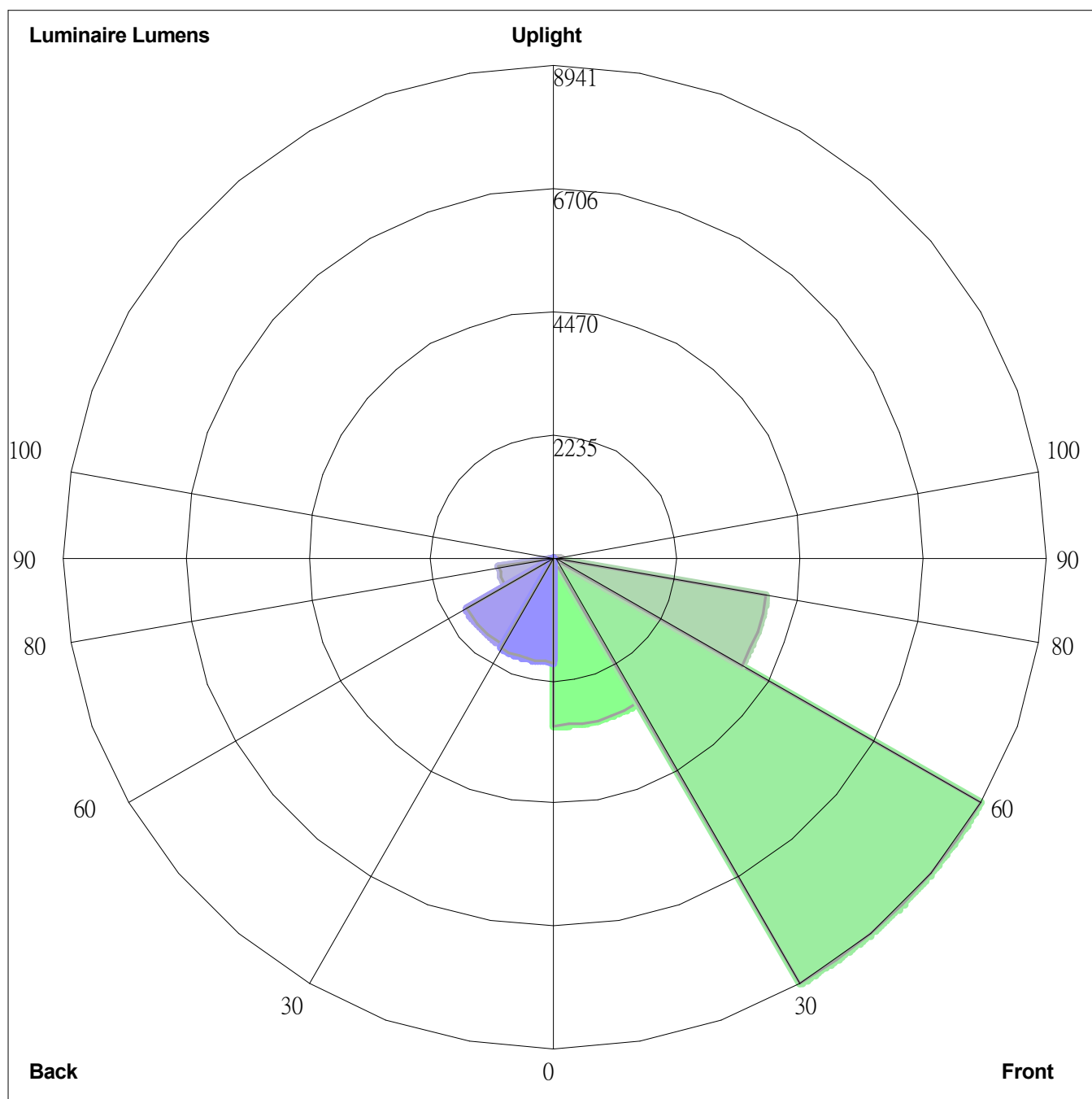
# 2 - Horizontal Cone Through Vertical Angle (58.5) (Through Max. Cd.)

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=3054.8, Medium=8940.8, High=3919.9, Very High=103.5  
Back: Low=1899.4, Medium=1846.8, High=1010.7, Very High=31.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3