



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-3R-XX-240 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-3R-XX-275

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-3R-XX-250

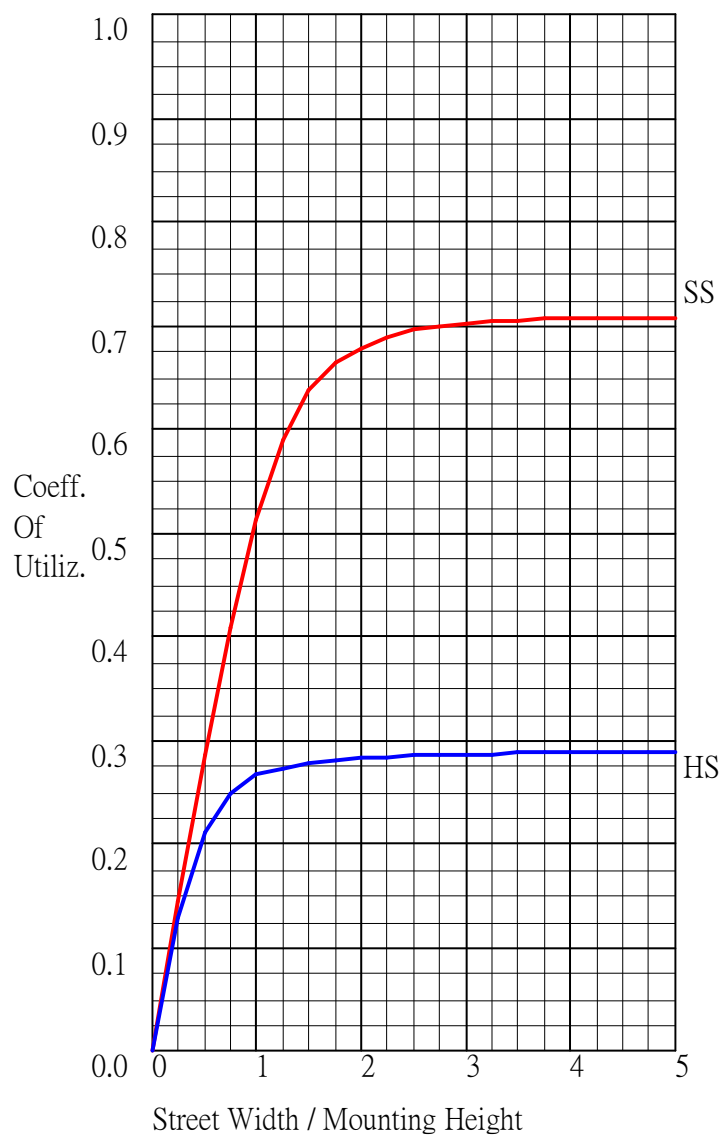
### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24181
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	183
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13223.426
Maximum Candela Angle	85H 71.5V
Maximum Candela (<90 Degrees Vertical)	13223.426
Maximum Candela Angle (<90 Degrees Vertical)	85H 71.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1588.086 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2818.6	N.A.	11.7
FM - Front-Medium (30-60)	8760.9	N.A.	36.2
FH - Front-High (60-80)	5487.1	N.A.	22.7
FVH - Front-Very High (80-90)	102.2	N.A.	0.4
BL - Back-Low (0-30)	1935.2	N.A.	8.0
BM - Back-Medium (30-60)	2941.5	N.A.	12.2
BH - Back-High (60-80)	2087.9	N.A.	8.6
BVH - Back-Very High (80-90)	47.9	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	24181.3	N.A.	100.0
BUG Rating	B3-U0-G3		

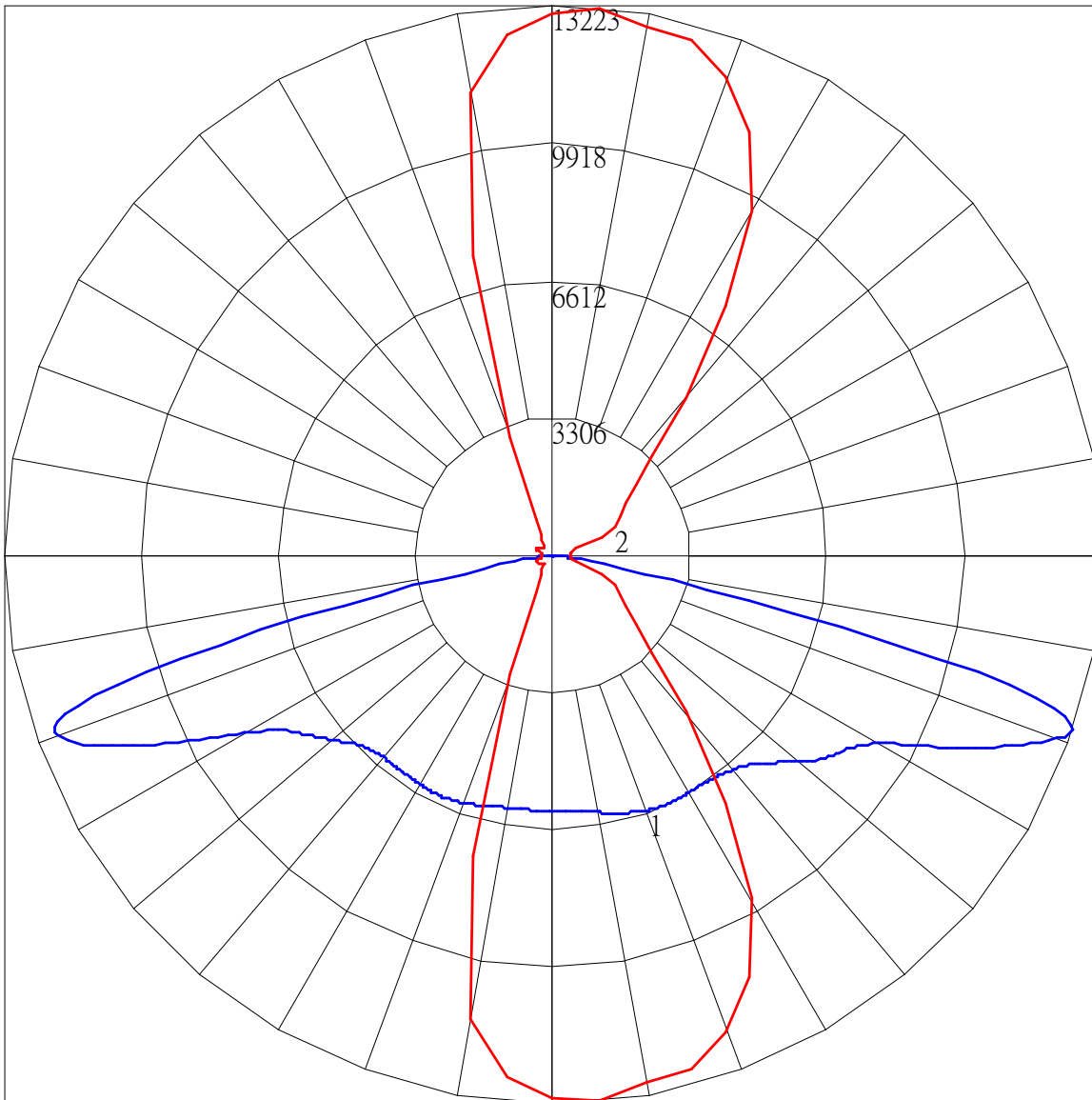
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

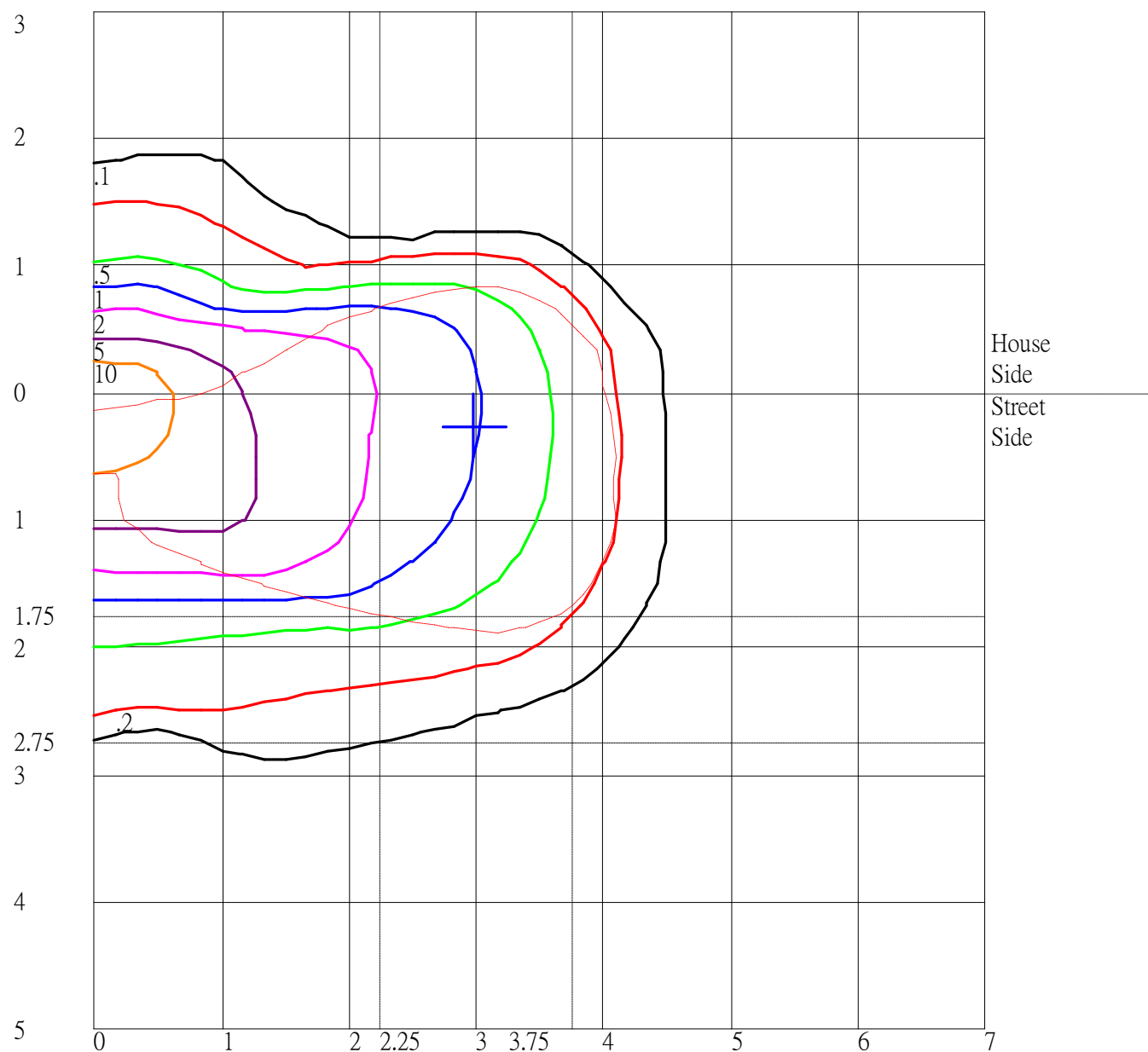
	Lumens	Percent Of Luminaire
Downward Street Side	17168.7	71.0
Downward House Side	7012.5	29.0
Downward Total	24181.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	24181.2	100.0

POLAR GRAPH



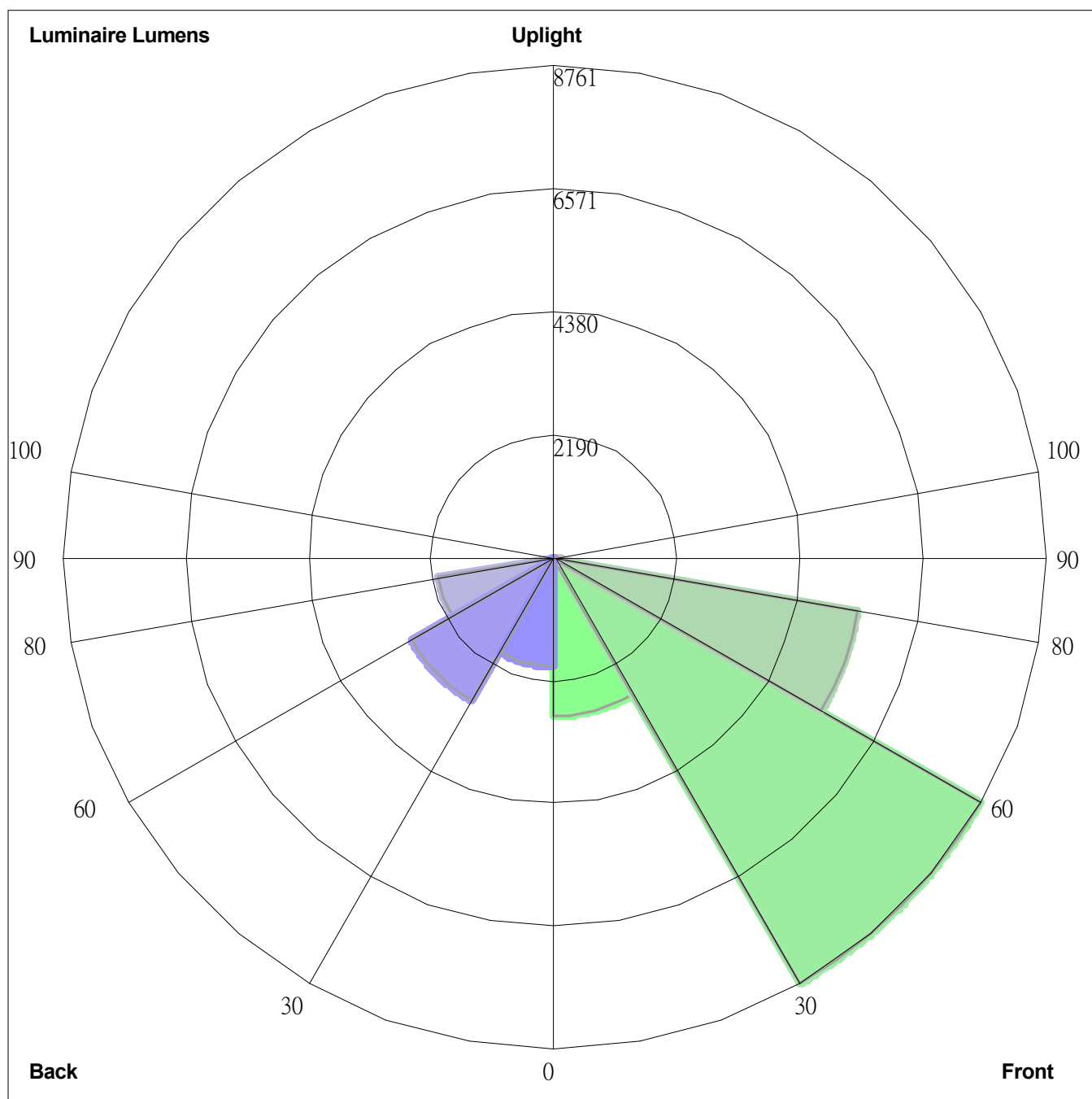
Maximum Candela = 13223.426 Located At Horizontal Angle = 85, Vertical Angle = 71.5  
# 1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71.5) (Through Max. Cd.)

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=2818.6, Medium=8760.9, High=5487.1, Very High=102.2  
Back: Low=1935.2, Medium=2941.5, High=2087.9, Very High=47.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3