



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-3R-XX-230 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-240

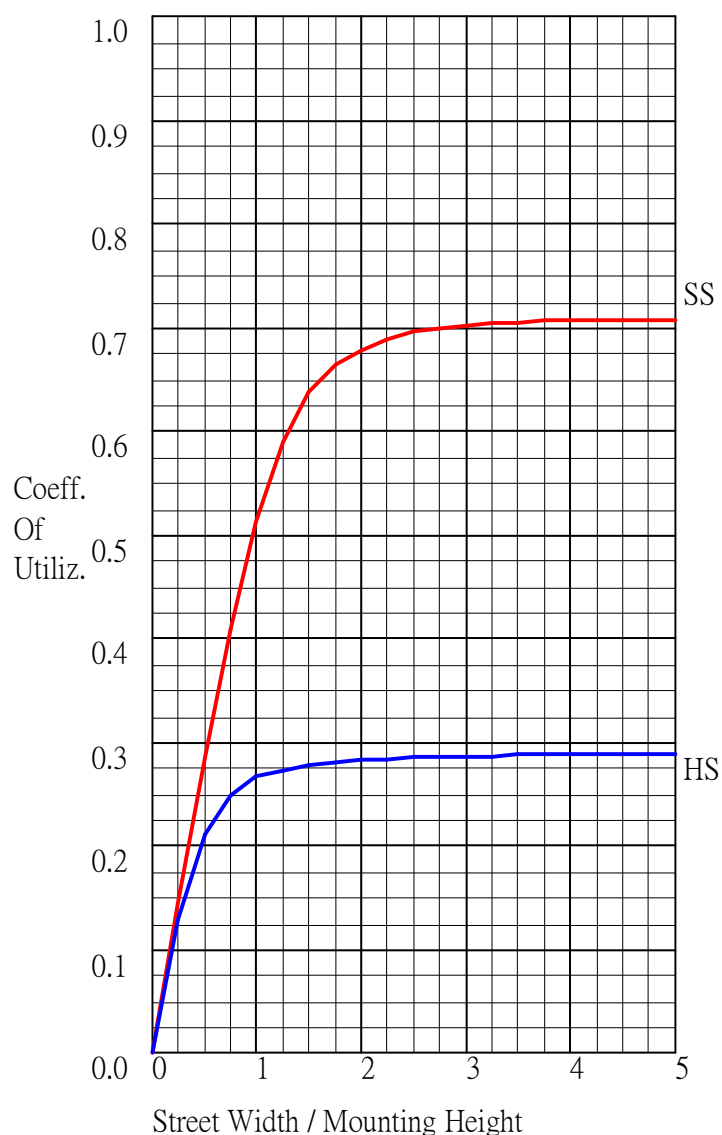
### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23027
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	173
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12592.082
Maximum Candela Angle	85H 71.5V
Maximum Candela (<90 Degrees Vertical)	12592.082
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	1512.264 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2684.0	N.A.	11.7
FM - Front-Medium (30-60)	8342.6	N.A.	36.2
FH - Front-High (60-80)	5225.1	N.A.	22.7
FVH - Front-Very High (80-90)	97.3	N.A.	0.4
BL - Back-Low (0-30)	1842.8	N.A.	8.0
BM - Back-Medium (30-60)	2801.0	N.A.	12.2
BH - Back-High (60-80)	1988.2	N.A.	8.6
BVH - Back-Very High (80-90)	45.6	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	23026.6	N.A.	100.0
BUG Rating	B3-U0-G3		

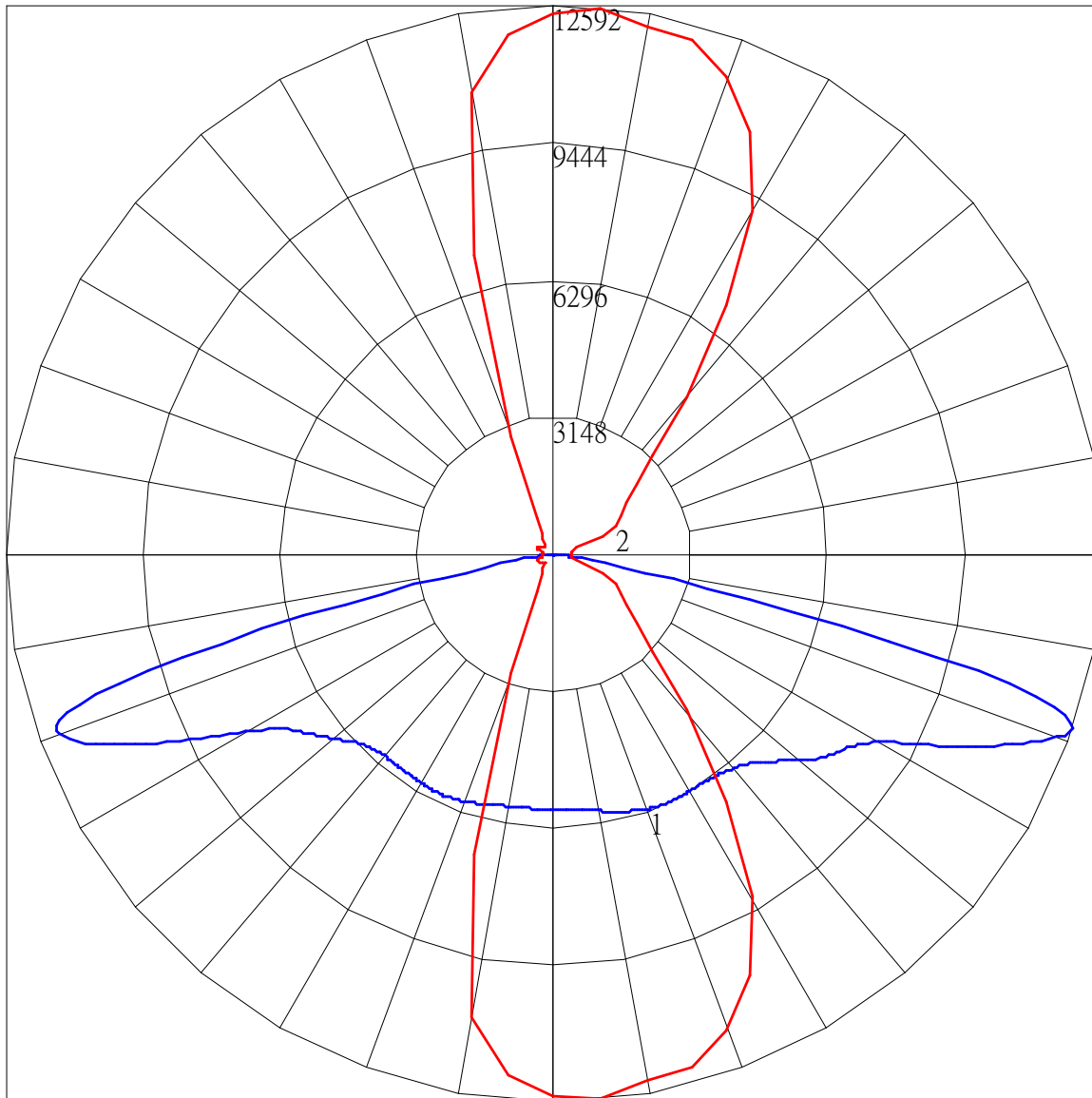
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	16349.0	71.0
Downward House Side	6677.7	29.0
Downward Total	23026.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23026.7	100.0

POLAR GRAPH

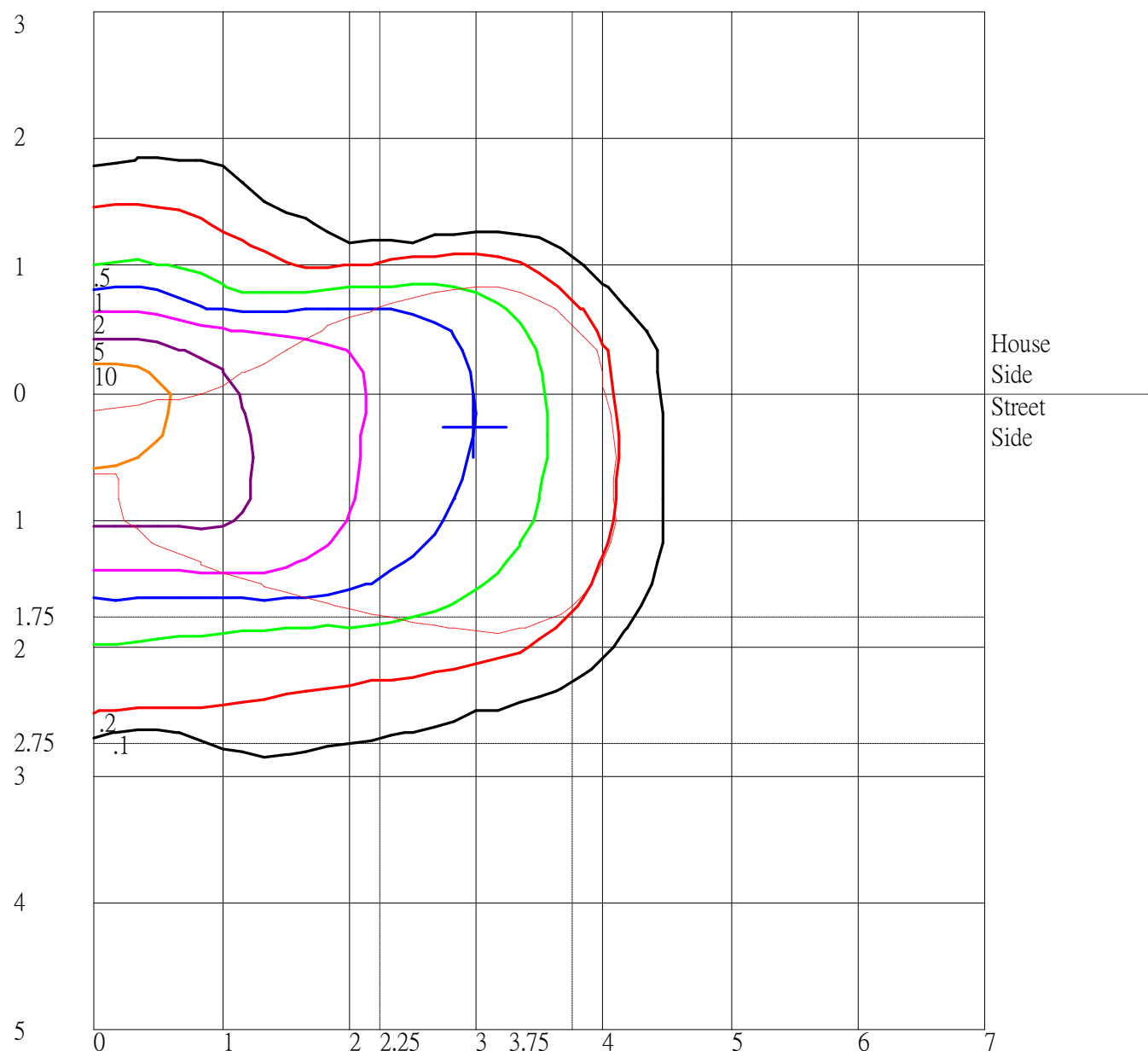


Maximum Candela = 12592.082 Located At Horizontal Angle = 85, Vertical Angle = 71.5

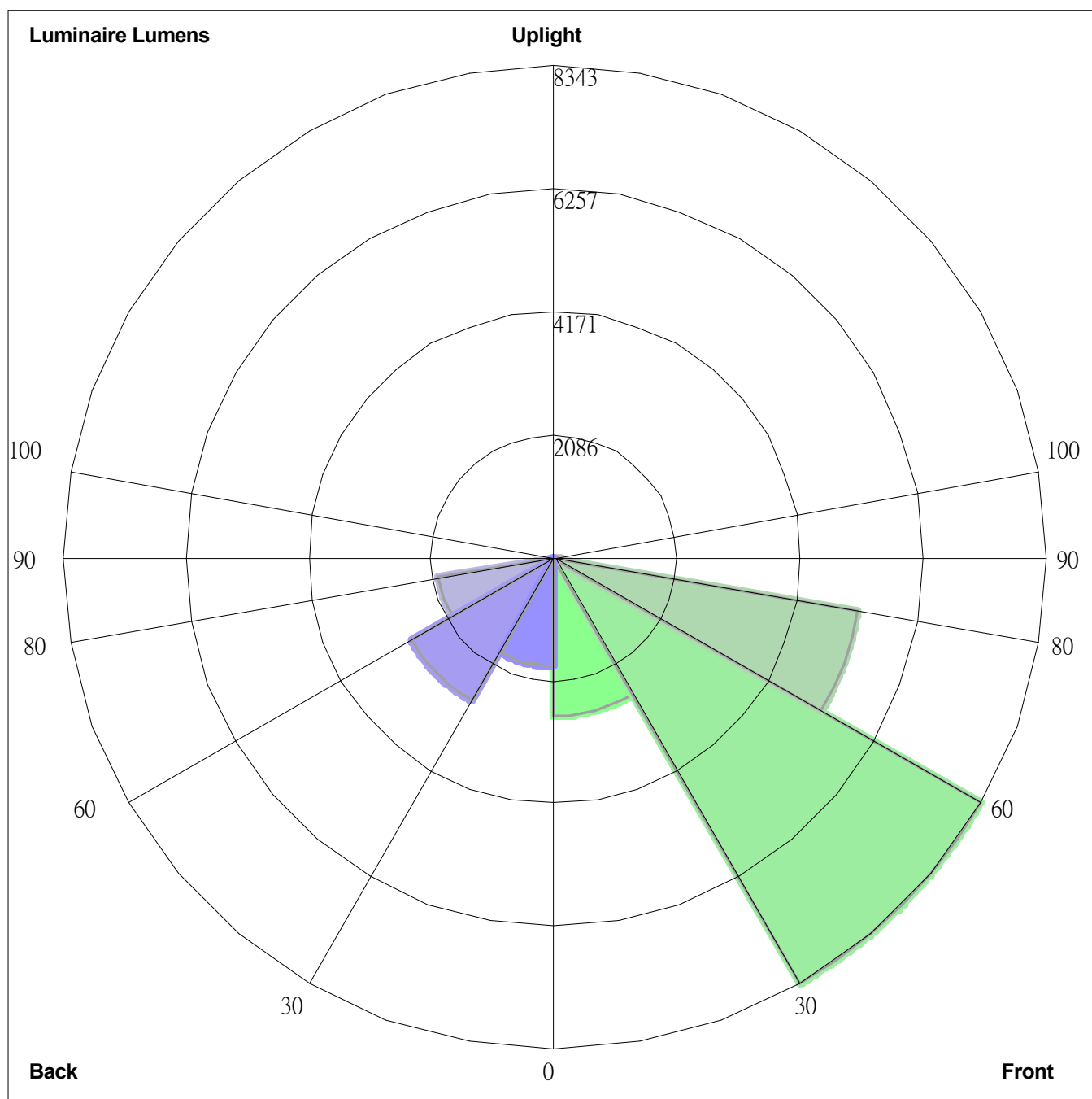
# 1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (71.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 2684.0, Medium=8342.6, High=5225.1, Very High=97.3  
Back: Low=1842.8, Medium= 2801.0, High=1988.2, Very High=45.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3