



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-3F-XX-230 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE] 6/24/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-3F-XX-230

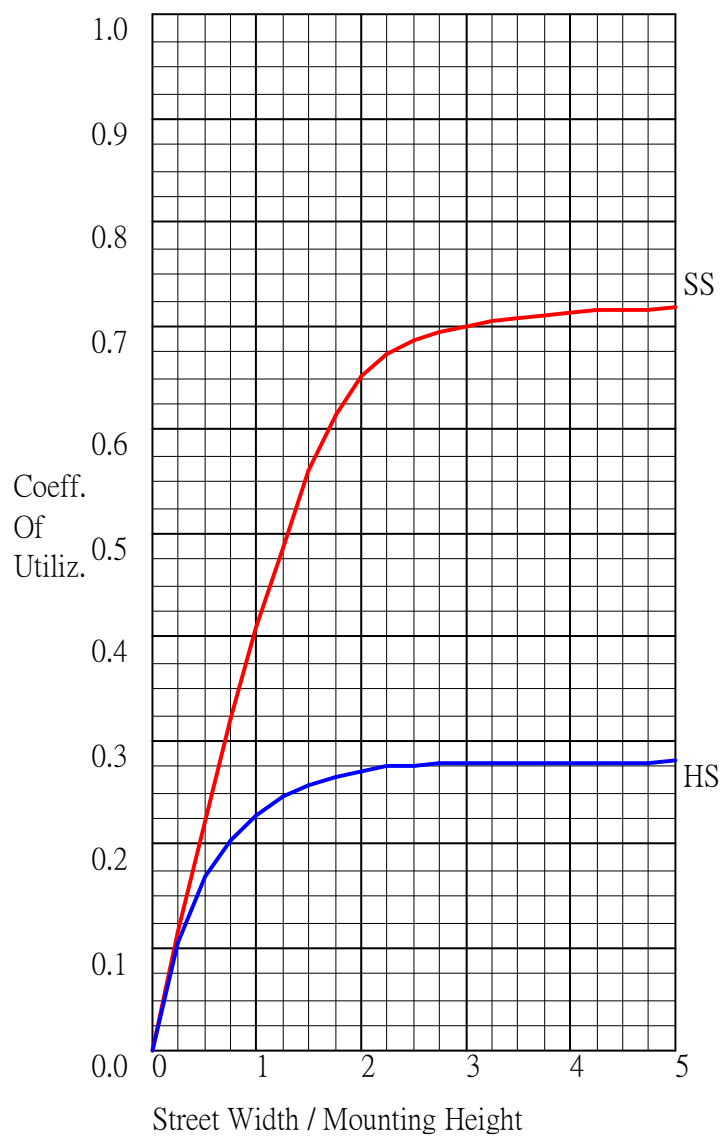
### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23047
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	171
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14978.392
Maximum Candela Angle	60H 73V
Maximum Candela (<90 Degrees Vertical)	14978.392
Maximum Candela Angle (<90 Degrees Vertical)	60H 73V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2051.822 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1915.8	N.A.	8.3
FM - Front-Medium (30-60)	7685.7	N.A.	33.3
FH - Front-High (60-80)	6869.6	N.A.	29.8
FVH - Front-Very High (80-90)	115.7	N.A.	0.5
BL - Back-Low (0-30)	1734.8	N.A.	7.5
BM - Back-Medium (30-60)	3312.7	N.A.	14.4
BH - Back-High (60-80)	1389.6	N.A.	6.0
BVH - Back-Very High (80-90)	23.5	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	23047.4	N.A.	100.0
BUG Rating	B3-U0-G3		

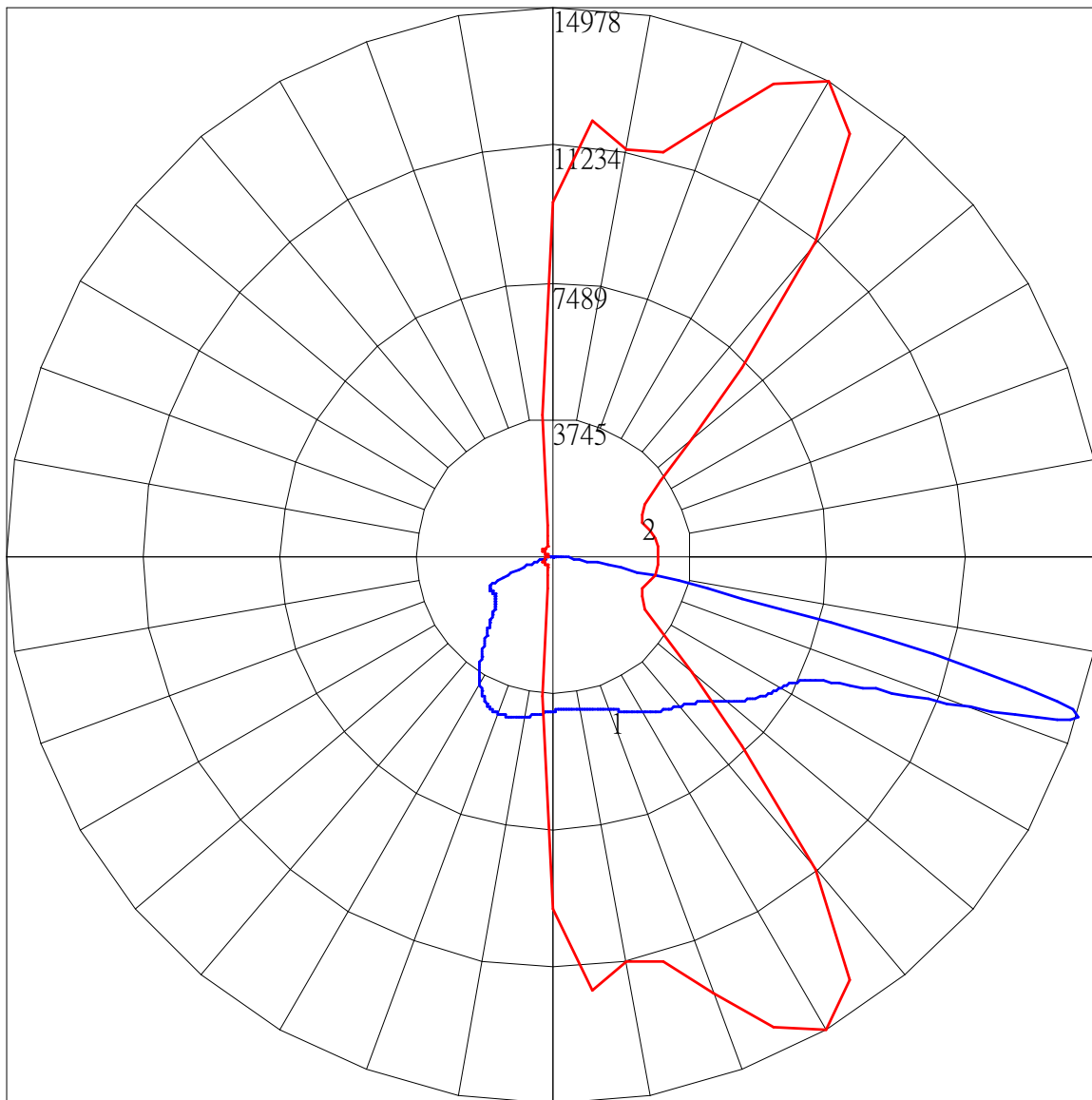
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

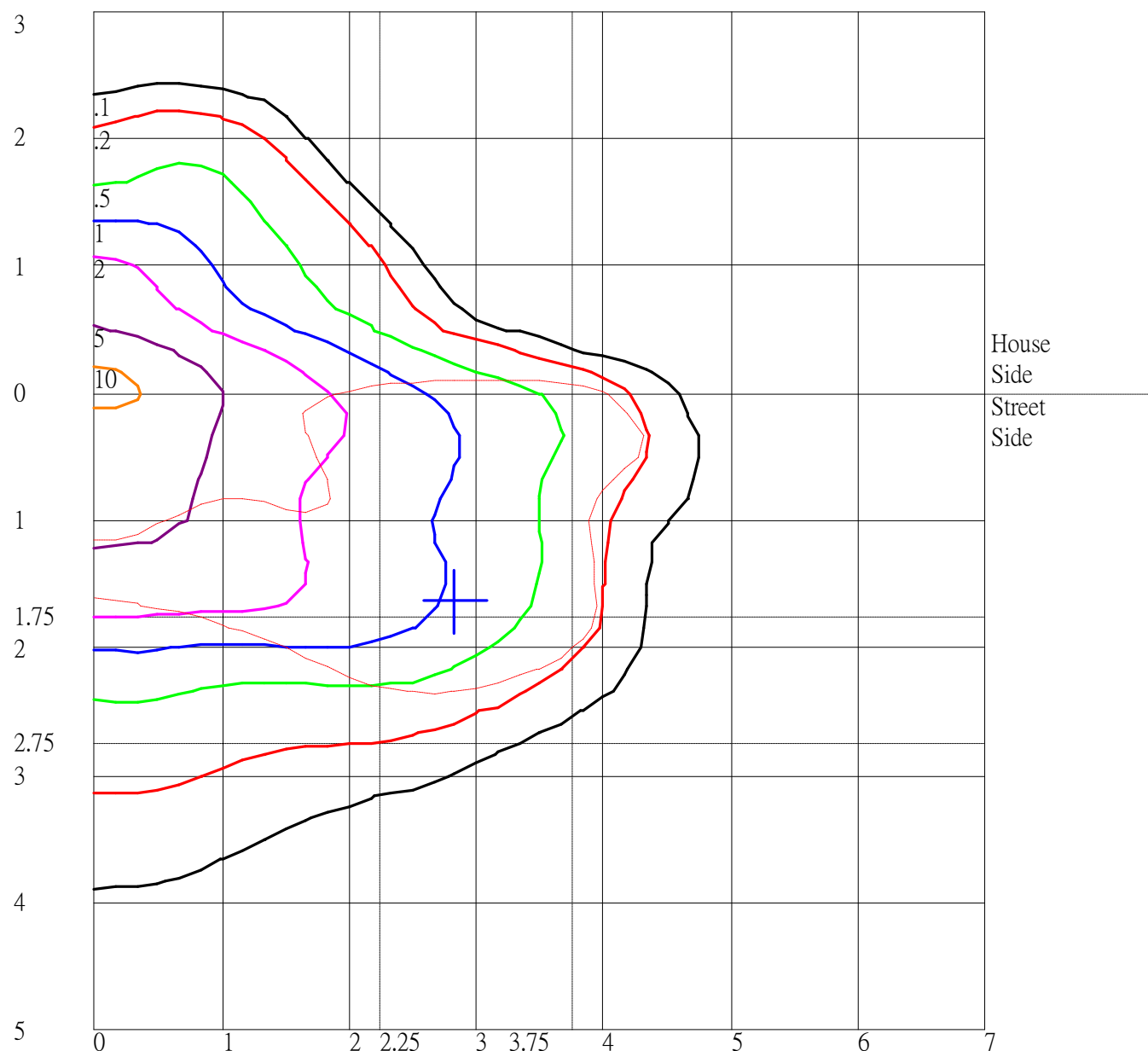
	Lumens	Percent Of Luminaire
Downward Street Side	16586.7	72.0
Downward House Side	6460.5	28.0
Downward Total	23047.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23047.2	100.0

POLAR GRAPH



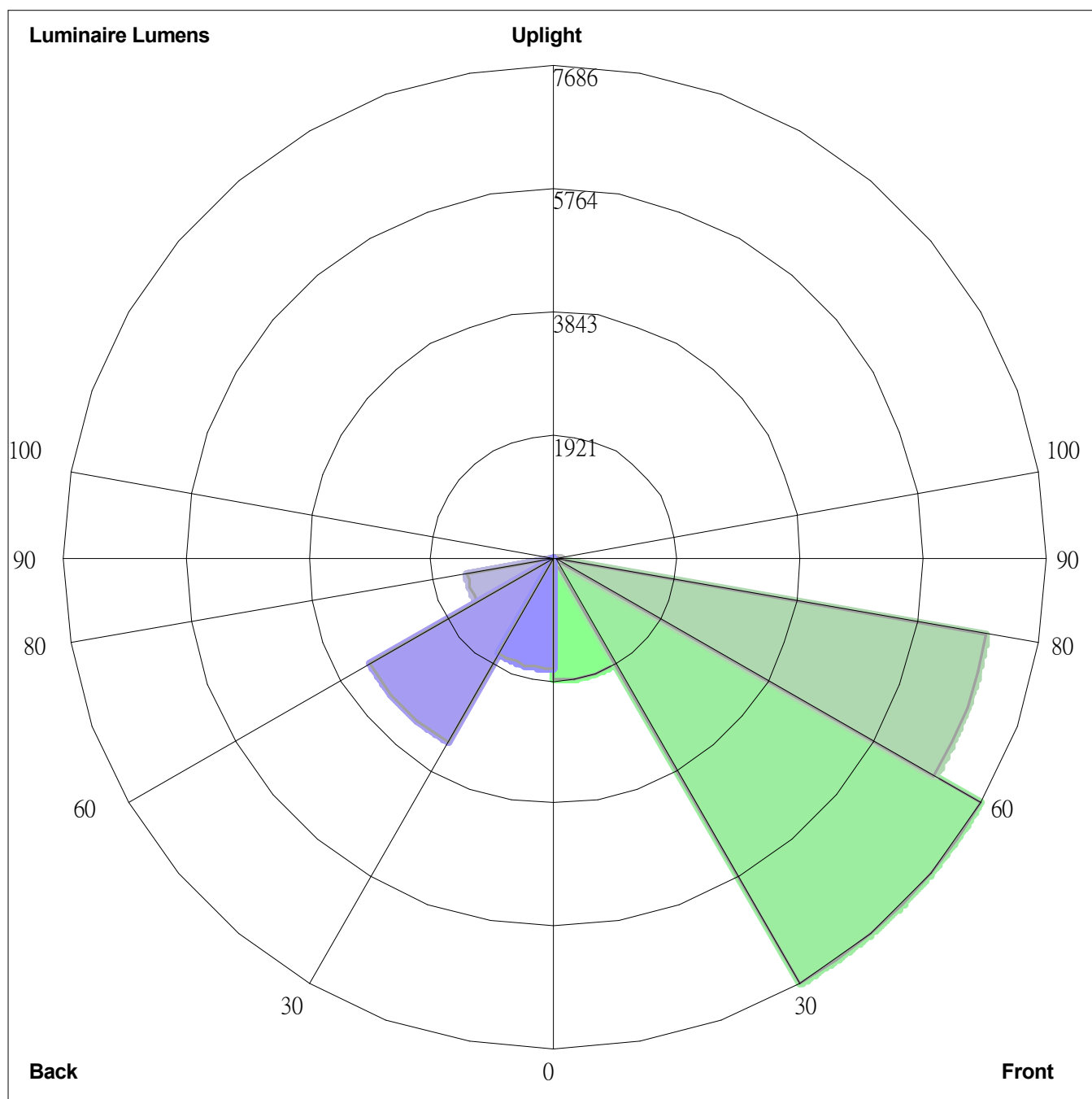
Maximum Candela = 14978.392 Located At Horizontal Angle = 60, Vertical Angle = 73  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (73) (Through Max. Cd.)

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=1915.8, Medium=7685.7, High=6869.6, Very High=115.7  
Back: Low=1734.8, Medium=3312.7, High=1389.6, Very High=23.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3