



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-2S-XX-250 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-2S-XX-275

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-2S-XX-260

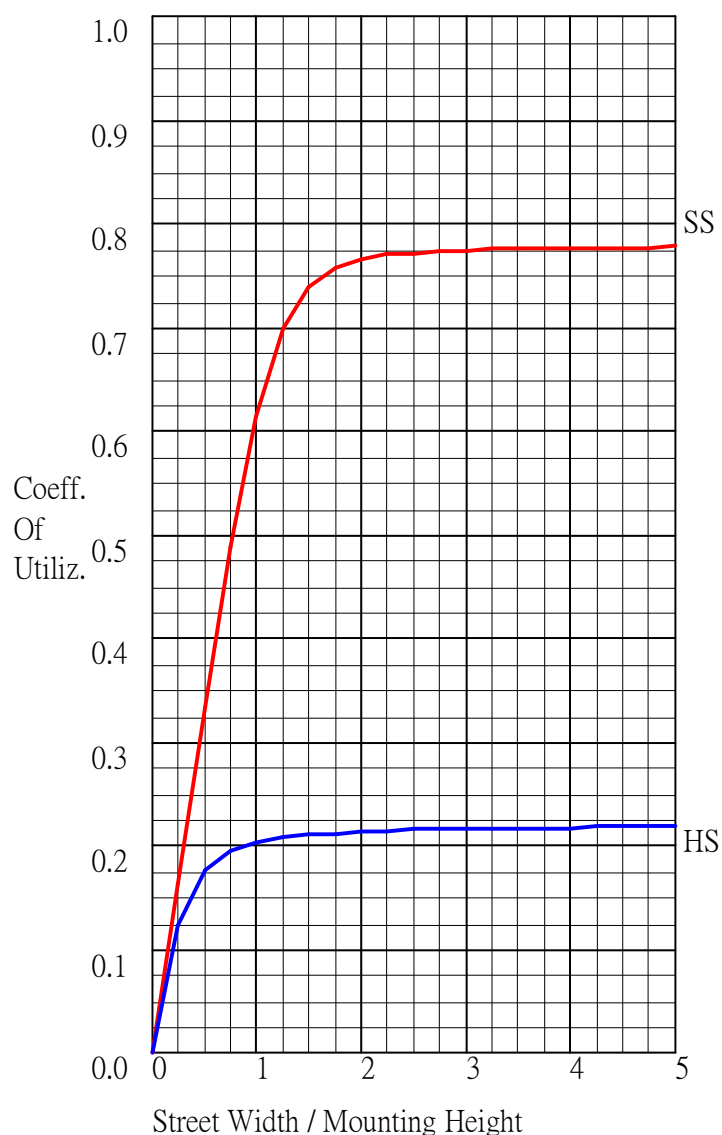
### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23704
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	193
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15809.385
Maximum Candela Angle	55H 57.5V
Maximum Candela (<90 Degrees Vertical)	15809.385
Maximum Candela Angle (<90 Degrees Vertical)	55H 57.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2657.124 (11.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3502.0	N.A.	14.8
FM - Front-Medium (30-60)	10286.3	N.A.	43.4
FH - Front-High (60-80)	4597.4	N.A.	19.4
FVH - Front-Very High (80-90)	111.4	N.A.	0.5
BL - Back-Low (0-30)	2150.6	N.A.	9.1
BM - Back-Medium (30-60)	2004.9	N.A.	8.5
BH - Back-High (60-80)	1016.4	N.A.	4.3
BVH - Back-Very High (80-90)	34.7	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	23703.7	N.A.	100.0
BUG Rating	B3-U0-G3		

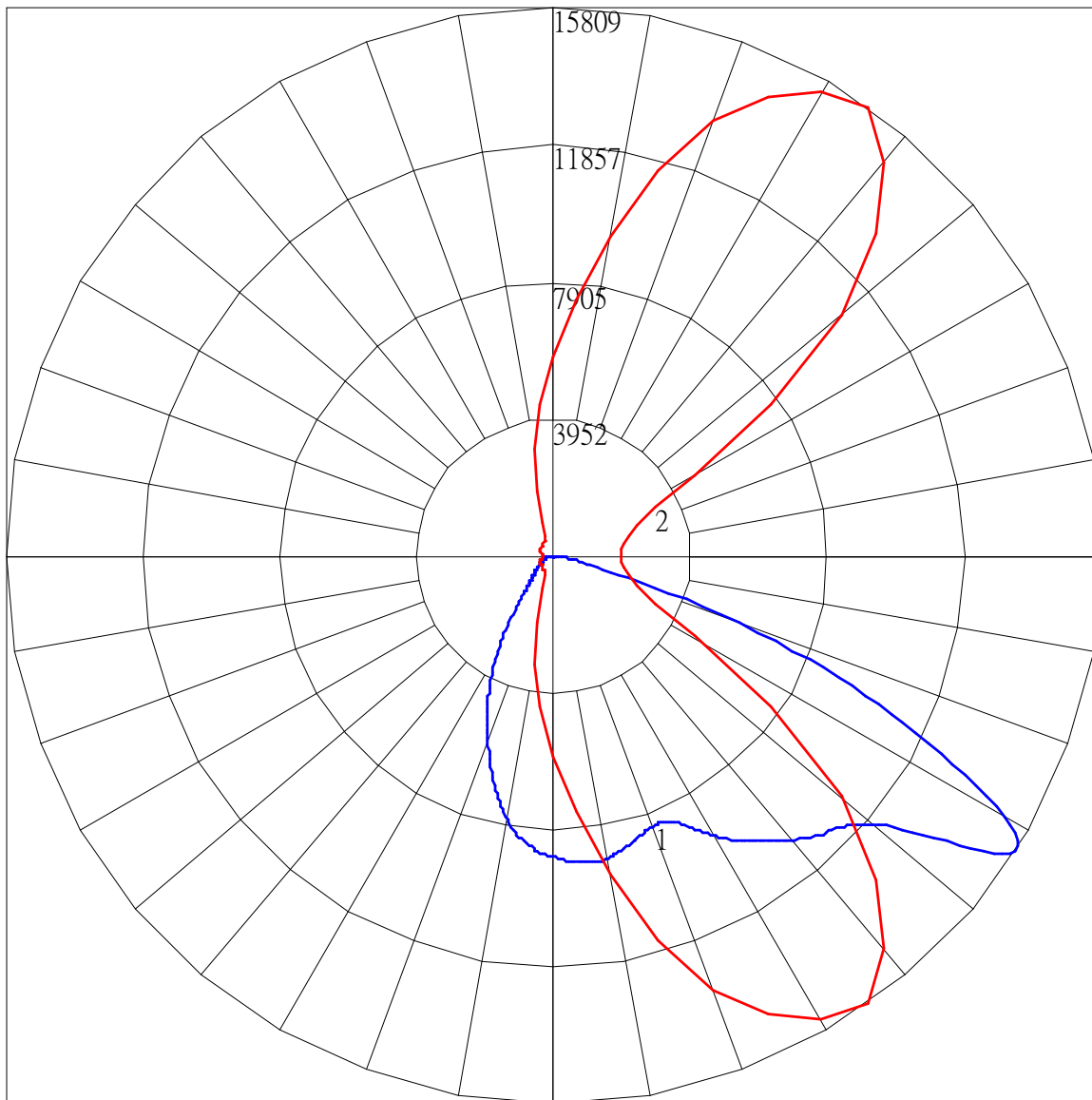
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	18497.1	78.0
Downward House Side	5206.6	22.0
Downward Total	23703.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23703.8	100.0

POLAR GRAPH

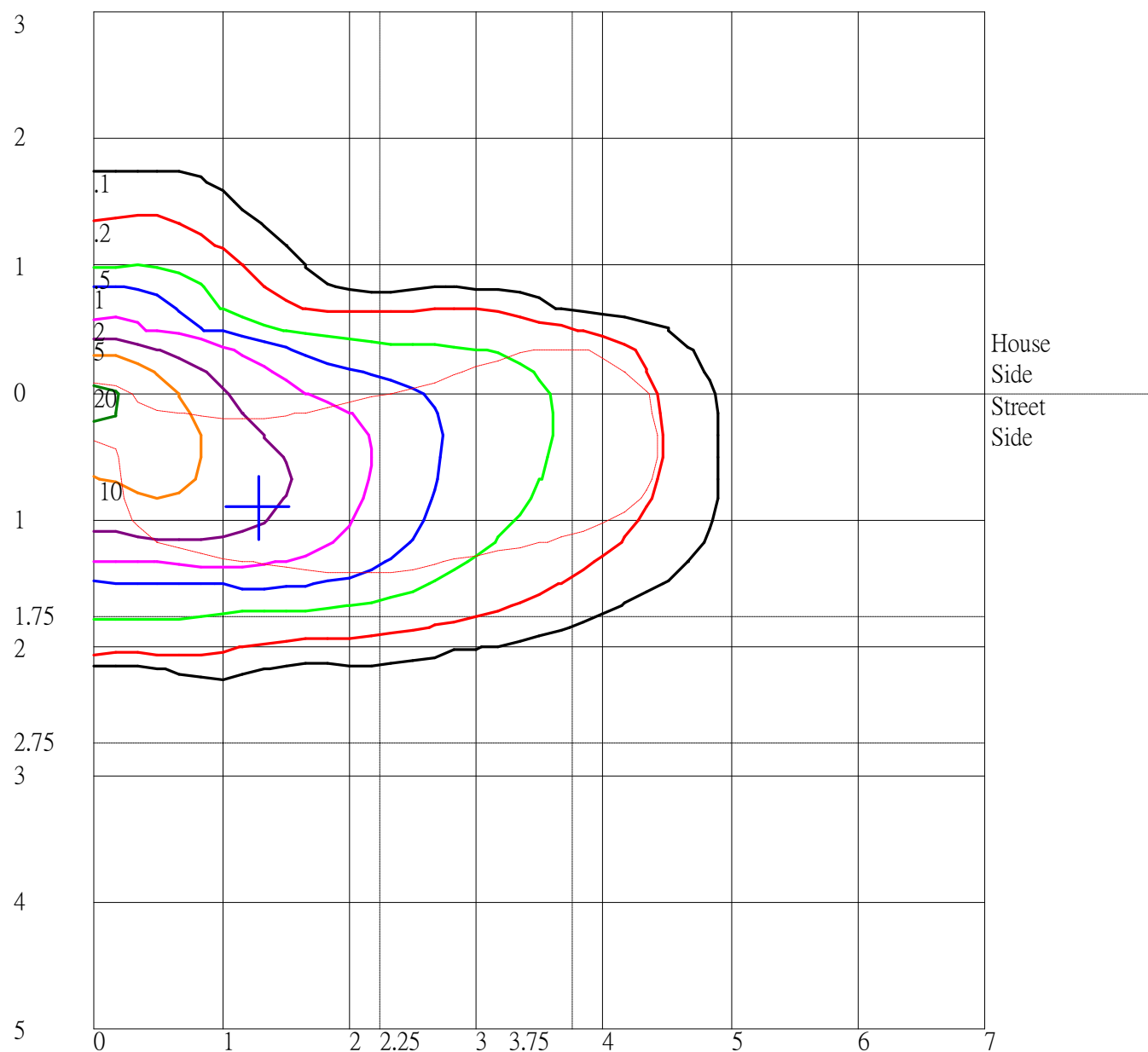


Maximum Candela = 15809.385 Located At Horizontal Angle = 55, Vertical Angle = 57.5

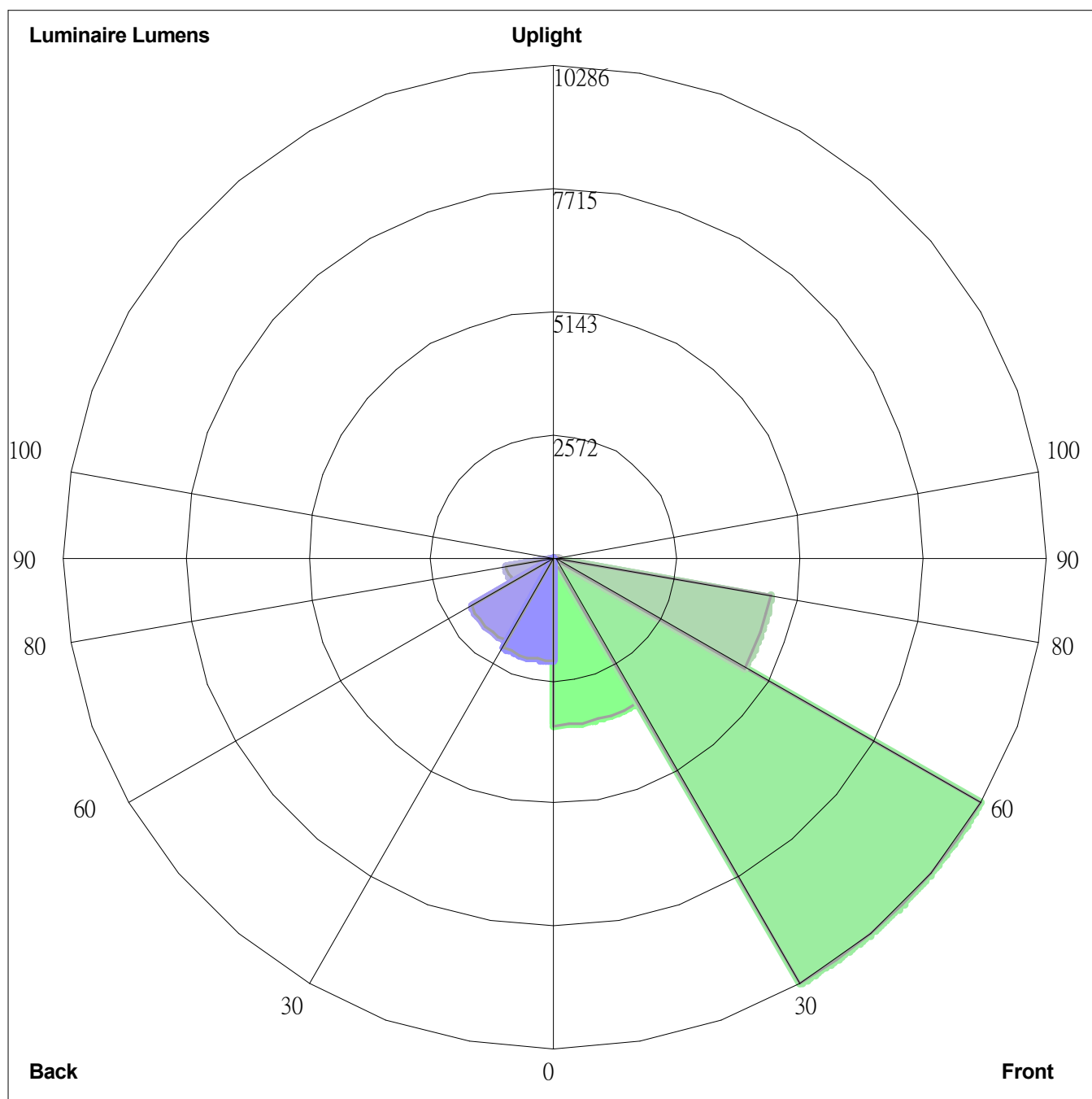
# 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 3502.0, Medium=10286.3, High=4597.4, Very High=111.4  
Back: Low=2150.6, Medium=2004.9, High=1016.4, Very High=34.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3