



## IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-5-XX-285 S.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-5-XX-325

[ISSUE DATE] 12/16/2022

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL3-80J-MV-27K-5-XX-285

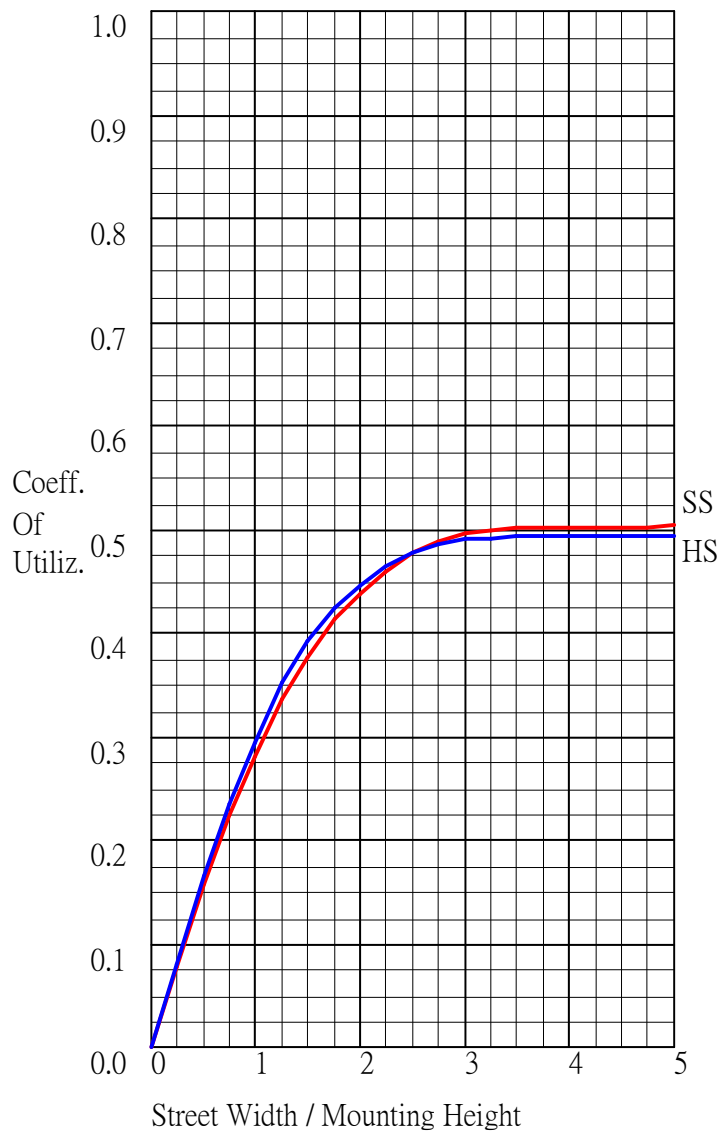
### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28601
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	230
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12243.017
Maximum Candela Angle	315H 67.5V
Maximum Candela (<90 Degrees Vertical)	12243.017
Maximum Candela Angle (<90 Degrees Vertical)	315H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	378.443 (1.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1774.2	N.A.	6.2
FM - Front-Medium (30-60)	6851.5	N.A.	24.0
FH - Front-High (60-80)	5770.4	N.A.	20.2
FVH - Front-Very High (80-90)	46.8	N.A.	0.2
BL - Back-Low (0-30)	1887.8	N.A.	6.6
BM - Back-Medium (30-60)	7174.9	N.A.	25.1
BH - Back-High (60-80)	5078.0	N.A.	17.8
BVH - Back-Very High (80-90)	17.0	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	28600.6	N.A.	100.0
BUG Rating	B5-U0-G3		

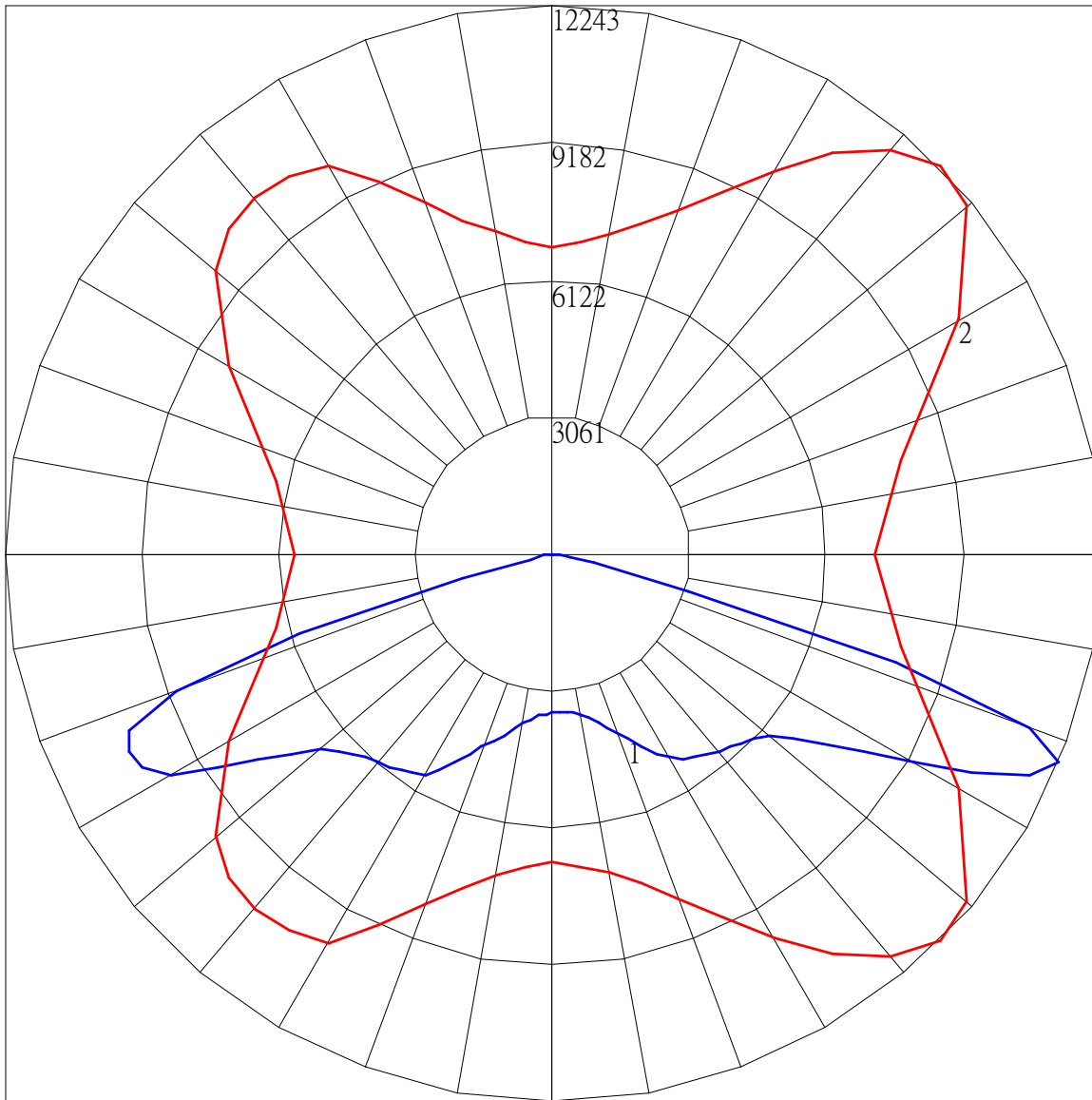
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

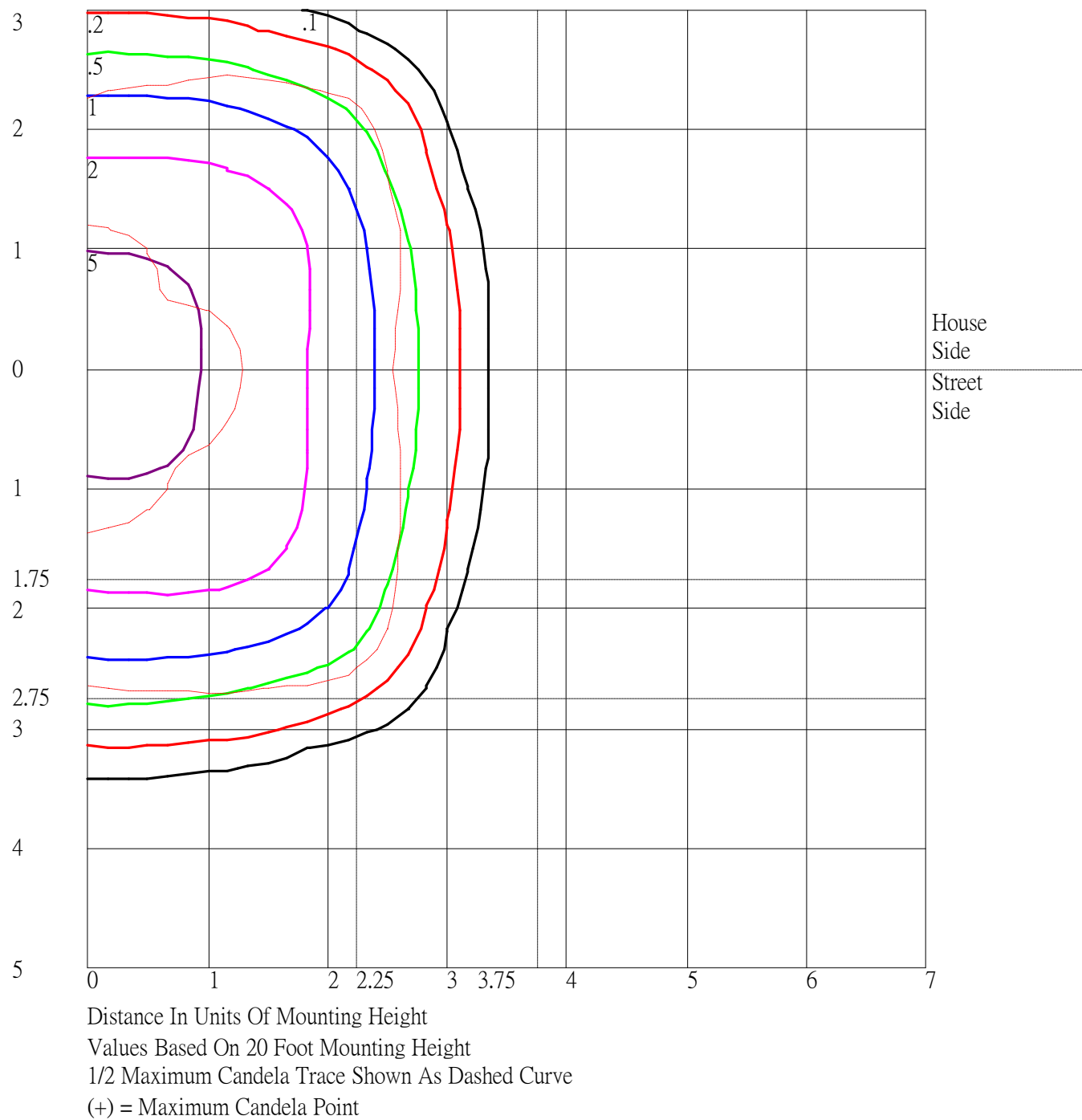
	Lumens	Percent Of Luminaire
Downward Street Side	14443.0	50.5
Downward House Side	14157.6	49.5
Downward Total	28600.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28600.6	100.0

POLAR GRAPH

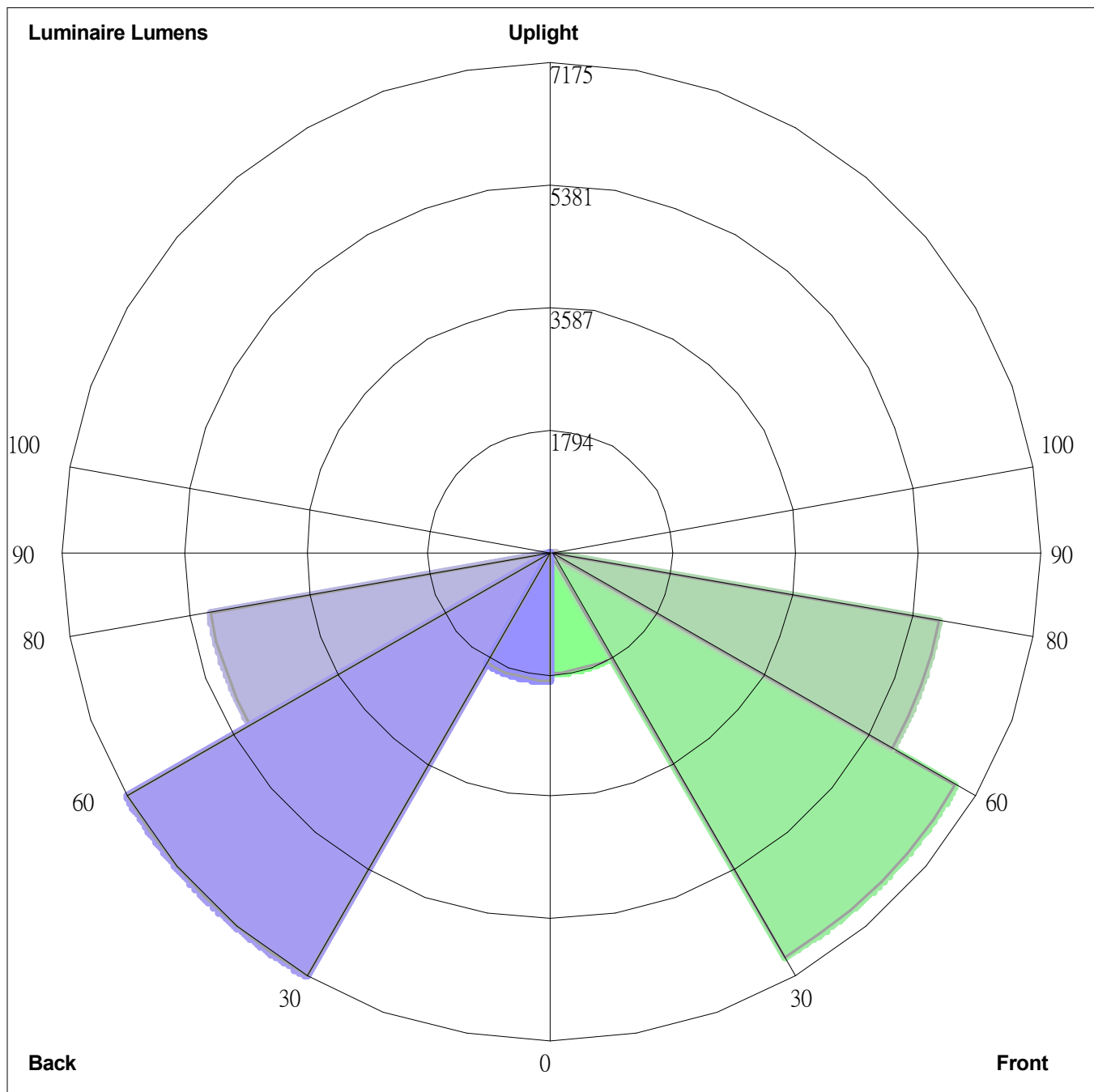


Maximum Candela = 12243.017 Located At Horizontal Angle = 315, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1774.2, Medium=6851.5, High=5770.4, Very High=46.8  
Back: Low=1887.8, Medium=7174.9, High= 5078.0, Very High=17.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3