



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-4-XX-210 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-4-XX-240

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL1-80J-MV-27K-4-XX-210

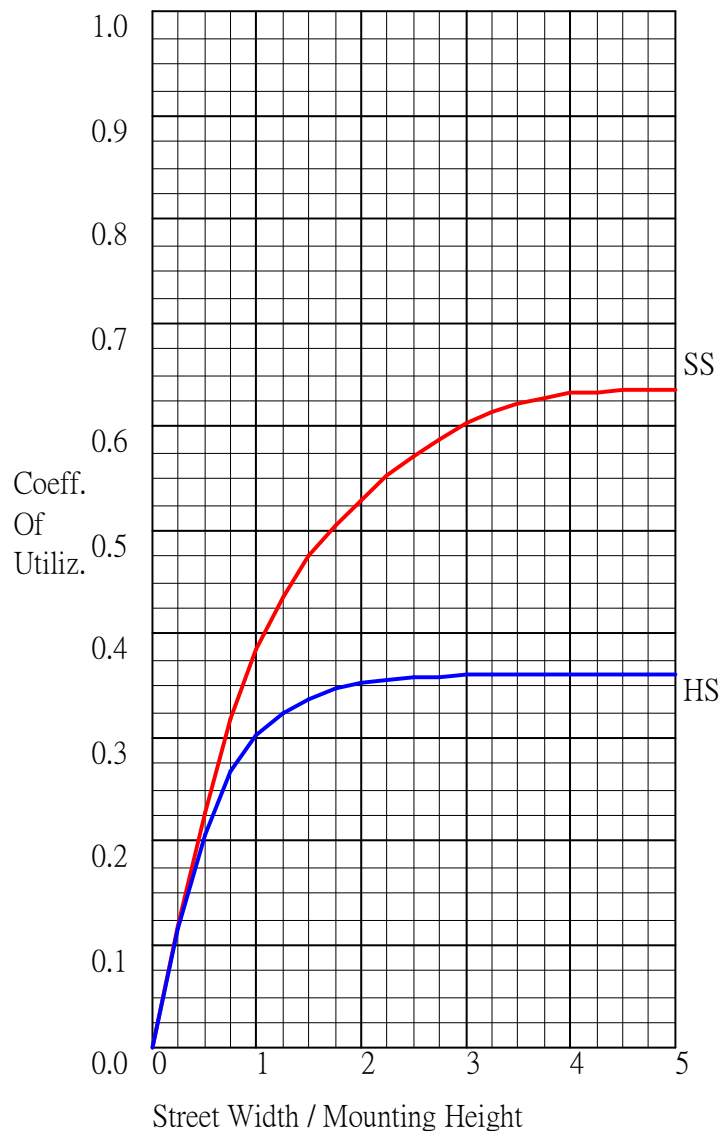
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21250
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	153
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12471.14
Maximum Candela Angle	80H 70.5V
Maximum Candela (<90 Degrees Vertical)	12471.14
Maximum Candela Angle (<90 Degrees Vertical)	80H 70.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1004.349 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2089.1	N.A.	9.8
FM - Front-Medium (30-60)	5892.1	N.A.	27.7
FH - Front-High (60-80)	5505.6	N.A.	25.9
FVH - Front-Very High (80-90)	74.9	N.A.	0.4
BL - Back-Low (0-30)	1807.9	N.A.	8.5
BM - Back-Medium (30-60)	4388.4	N.A.	20.7
BH - Back-High (60-80)	1478.2	N.A.	7.0
BVH - Back-Very High (80-90)	13.8	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	21250.0	N.A.	100.0
BUG Rating	B3-U0-G3		

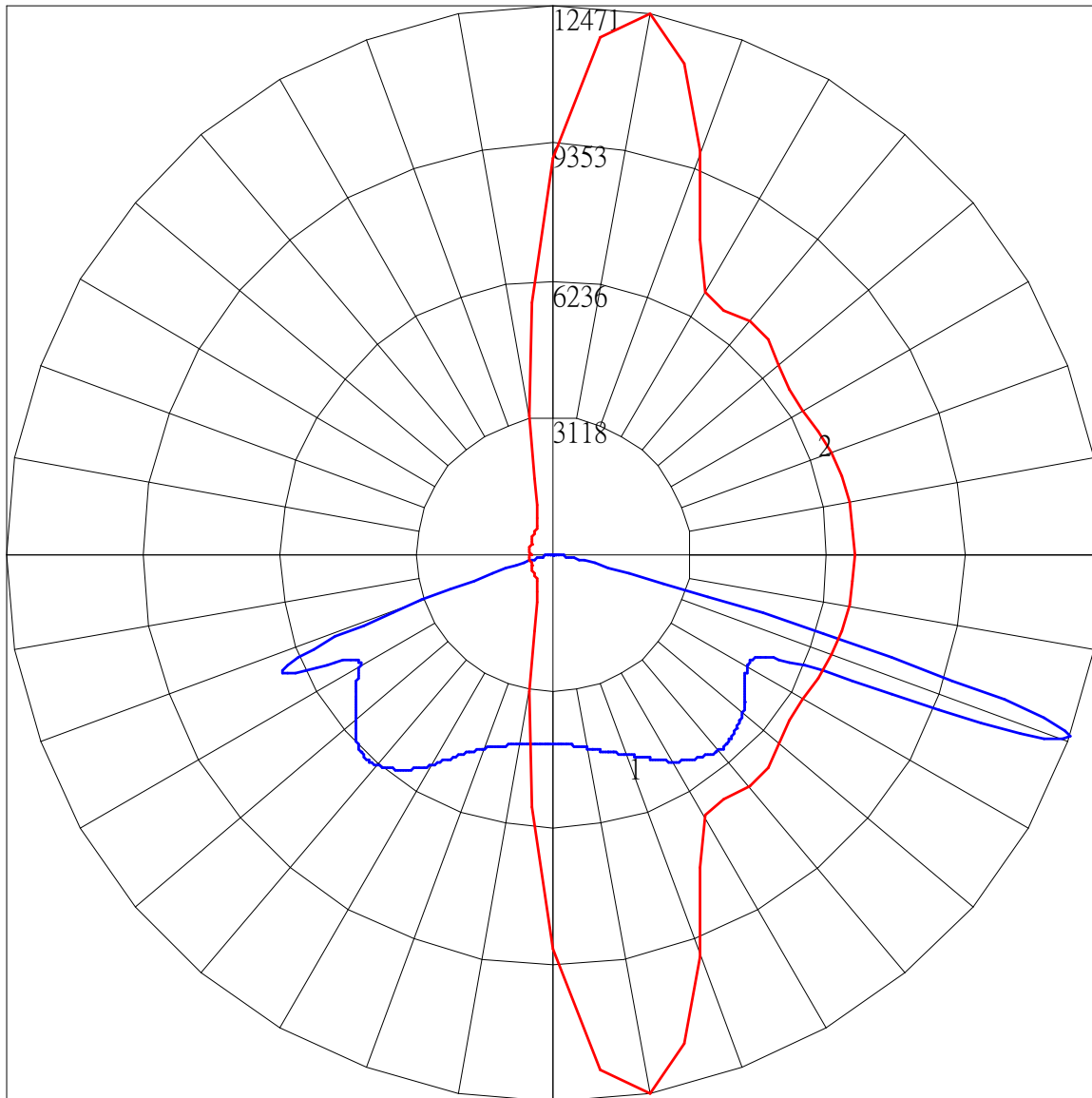
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

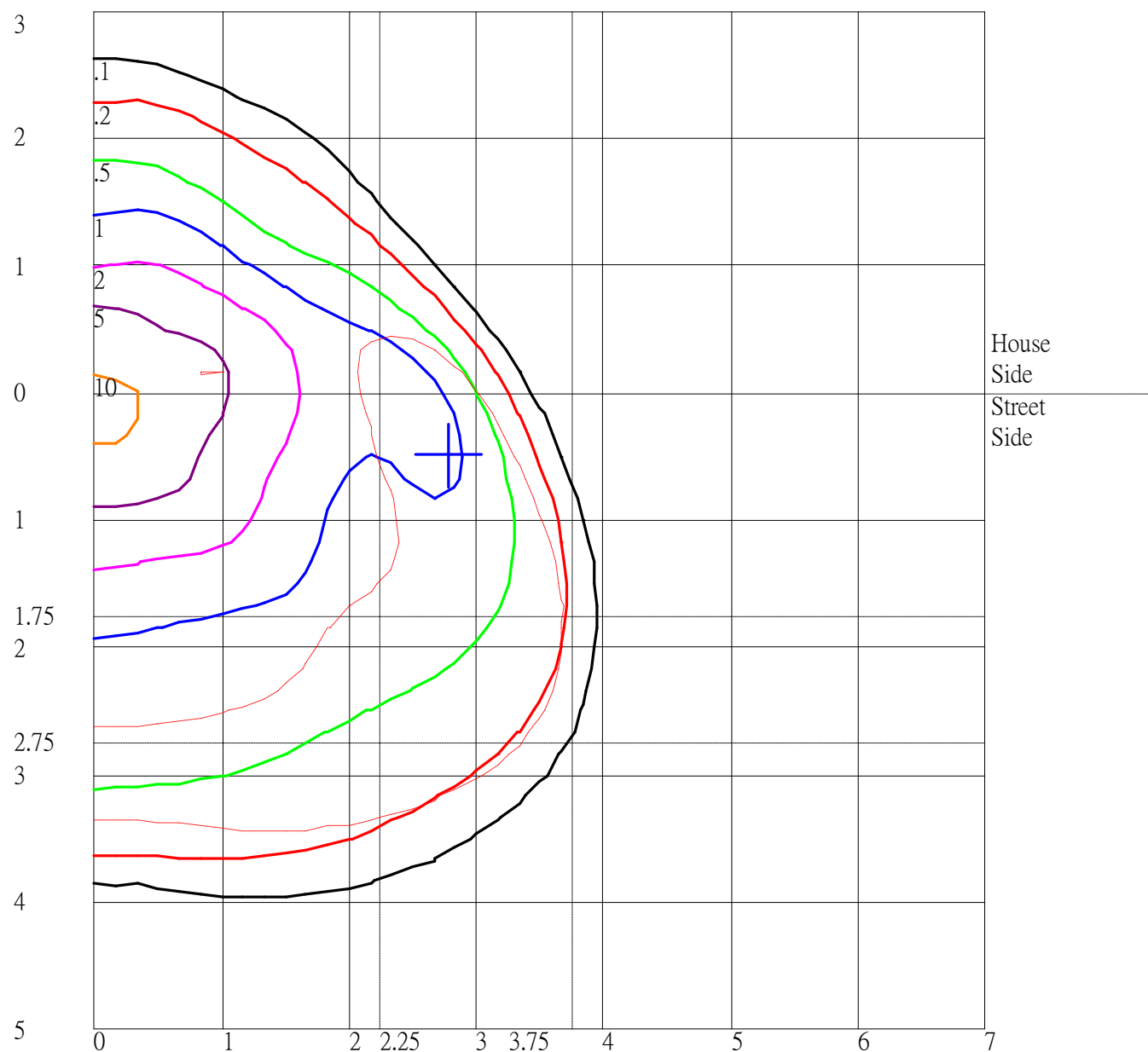
	Lumens	Percent Of Luminaire
Downward Street Side	13561.7	63.8
Downward House Side	7688.3	36.2
Downward Total	21250.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	21250.0	100.0

POLAR GRAPH

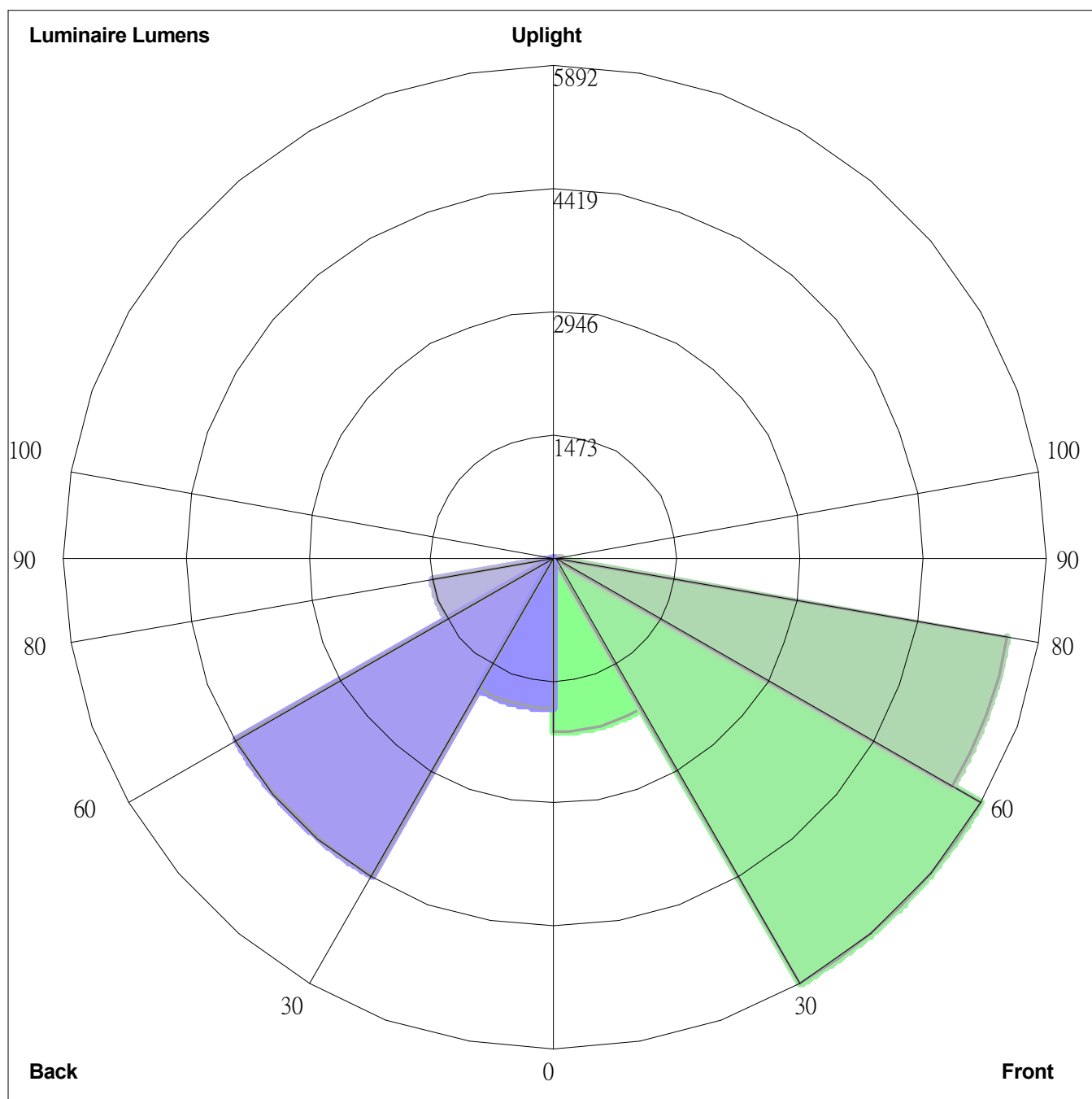


Maximum Candela = 12471.14 Located At Horizontal Angle = 80, Vertical Angle = 70.5
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2089.1, Medium=5892.1, High=5505.6, Very High=74.9
Back: Low=1807.9, Medium=4388.4, High=1478.2, Very High=13.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3