



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-4-XX-220 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-4-XX-225

[ISSUEDATE] 6/24/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-4-XX-225

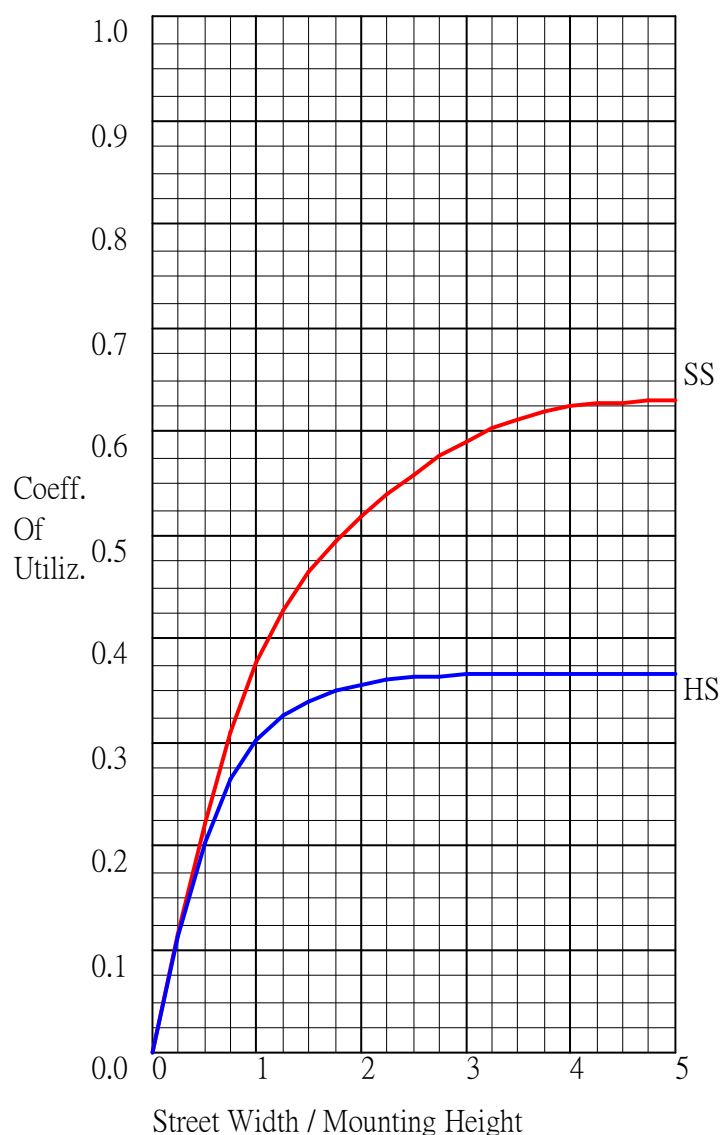
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22396
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	161
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12929.242
Maximum Candela Angle	80H 71.5V
Maximum Candela (<90 Degrees Vertical)	12929.242
Maximum Candela Angle (<90 Degrees Vertical)	80H 71.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1828.915 (8.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2133.7	N.A.	9.5
FM - Front-Medium (30-60)	6083.9	N.A.	27.2
FH - Front-High (60-80)	5861.1	N.A.	26.2
FVH - Front-Very High (80-90)	85.6	N.A.	0.4
BL - Back-Low (0-30)	1854.9	N.A.	8.3
BM - Back-Medium (30-60)	4608.2	N.A.	20.6
BH - Back-High (60-80)	1764.8	N.A.	7.9
BVH - Back-Very High (80-90)	4.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	22396.3	N.A.	100.0
BUG Rating	B3-U0-G3		

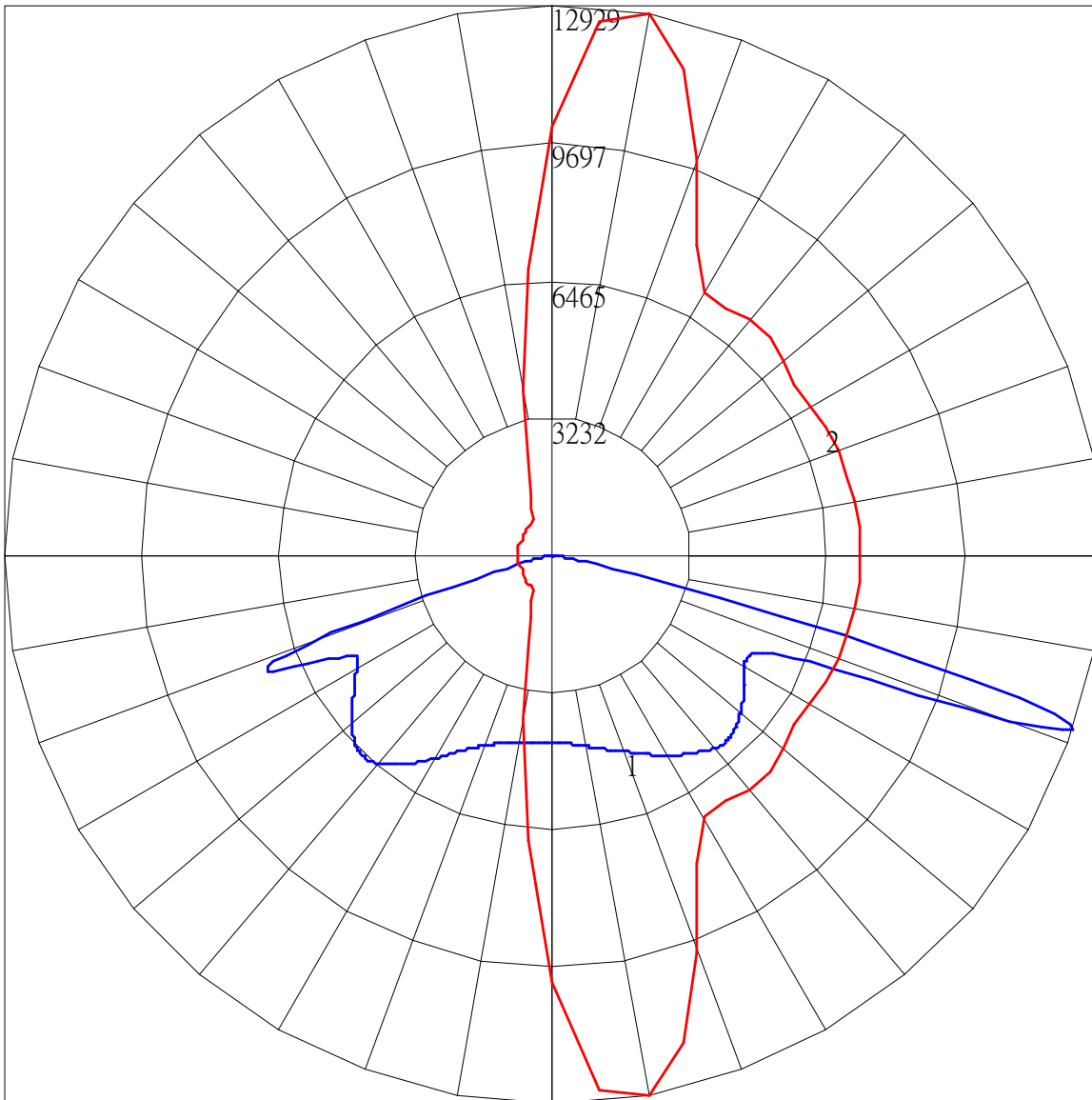
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

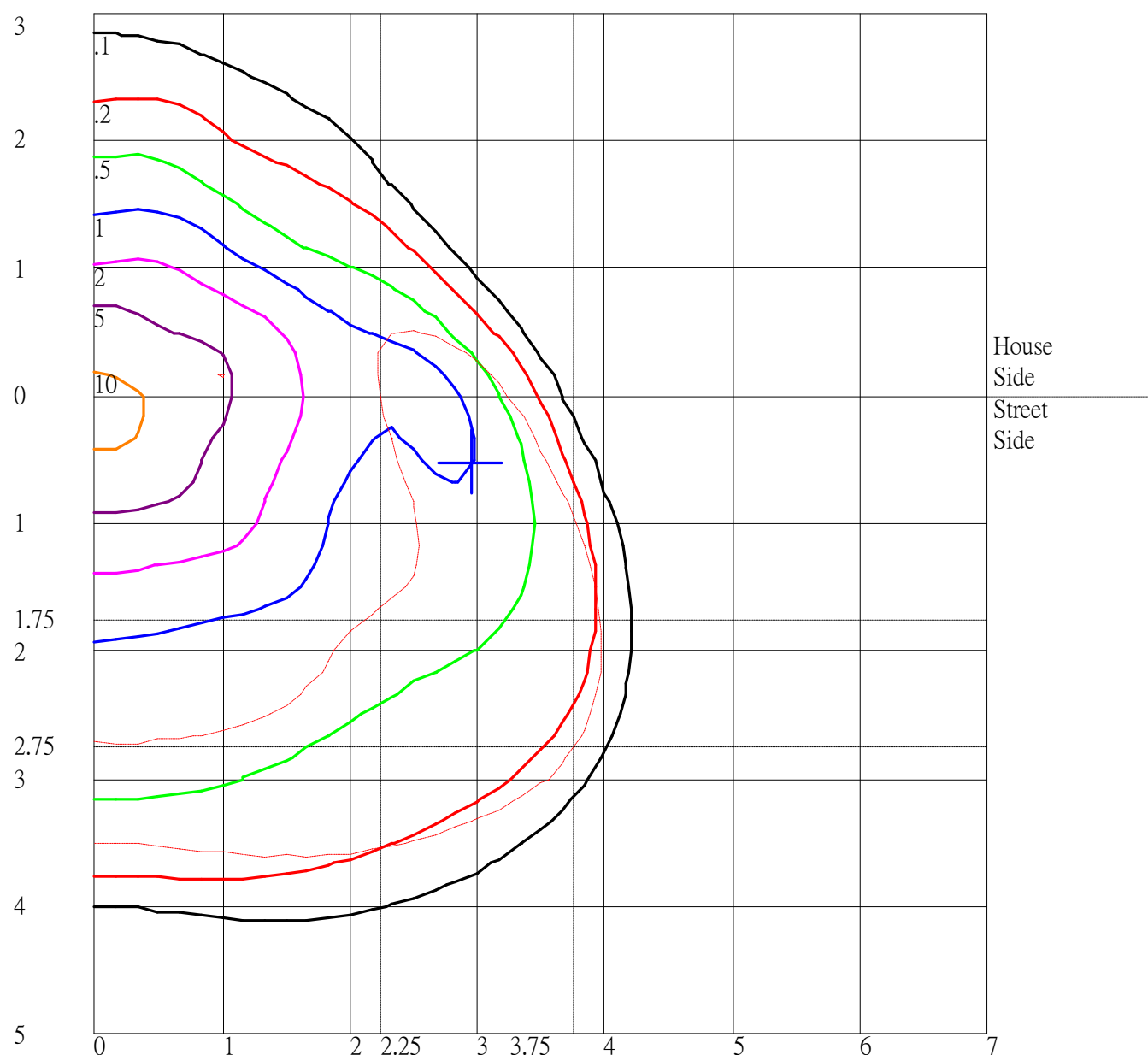
	Lumens	Percent Of Luminaire
Downward Street Side	14164.3	63.2
Downward House Side	8232.0	36.8
Downward Total	22396.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	22396.3	100.0

POLAR GRAPH



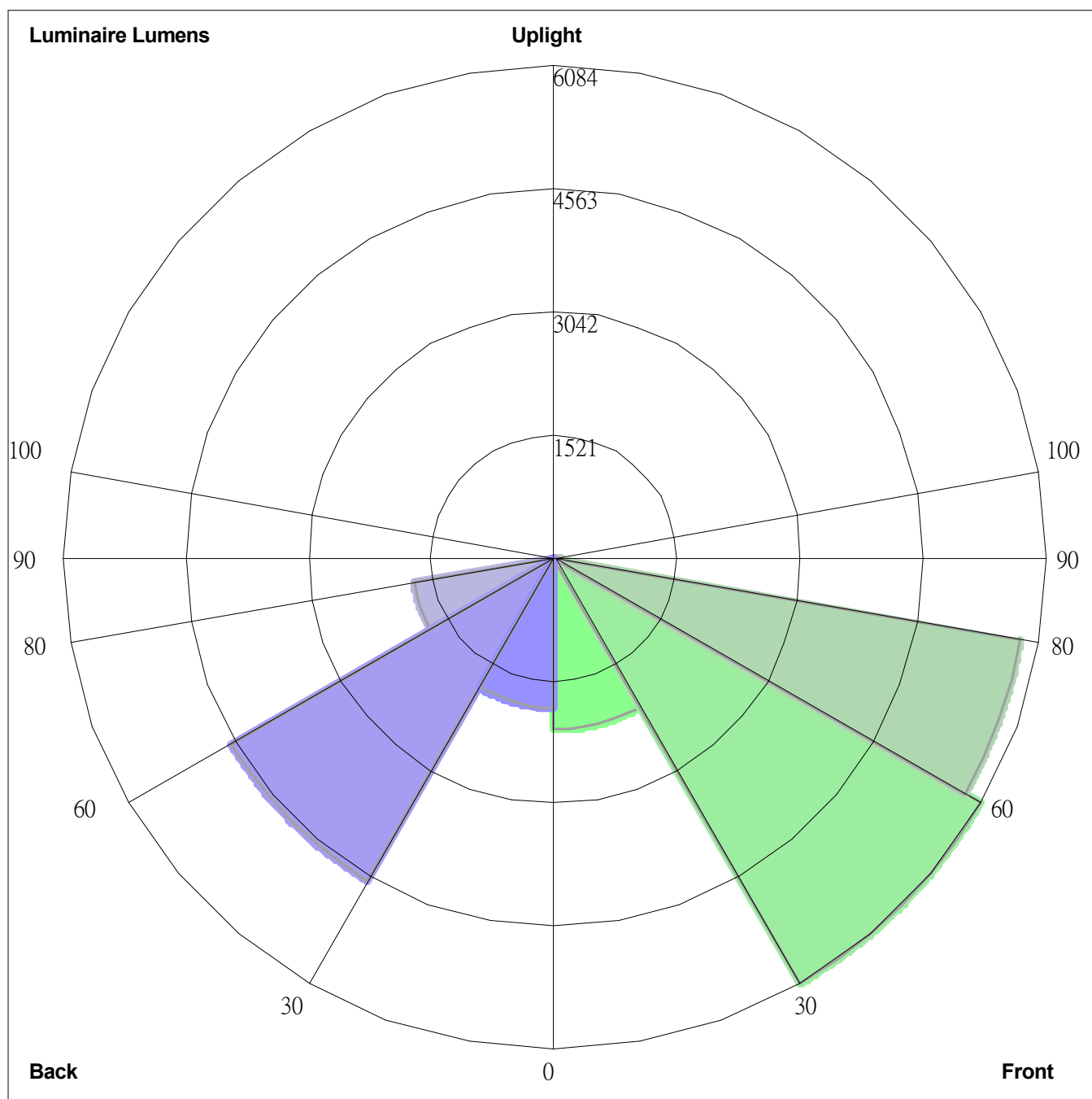
Maximum Candela = 12929.242 Located At Horizontal Angle = 80, Vertical Angle = 71.5
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71.5) (Through Max. Cd.)

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=2133.7, Medium=6083.9, High=5861.1, Very High=85.6
Back: Low=1854.9, Medium=4608.2, High=1764.8, Very High=4.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3