



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-3F-XX-205 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-205

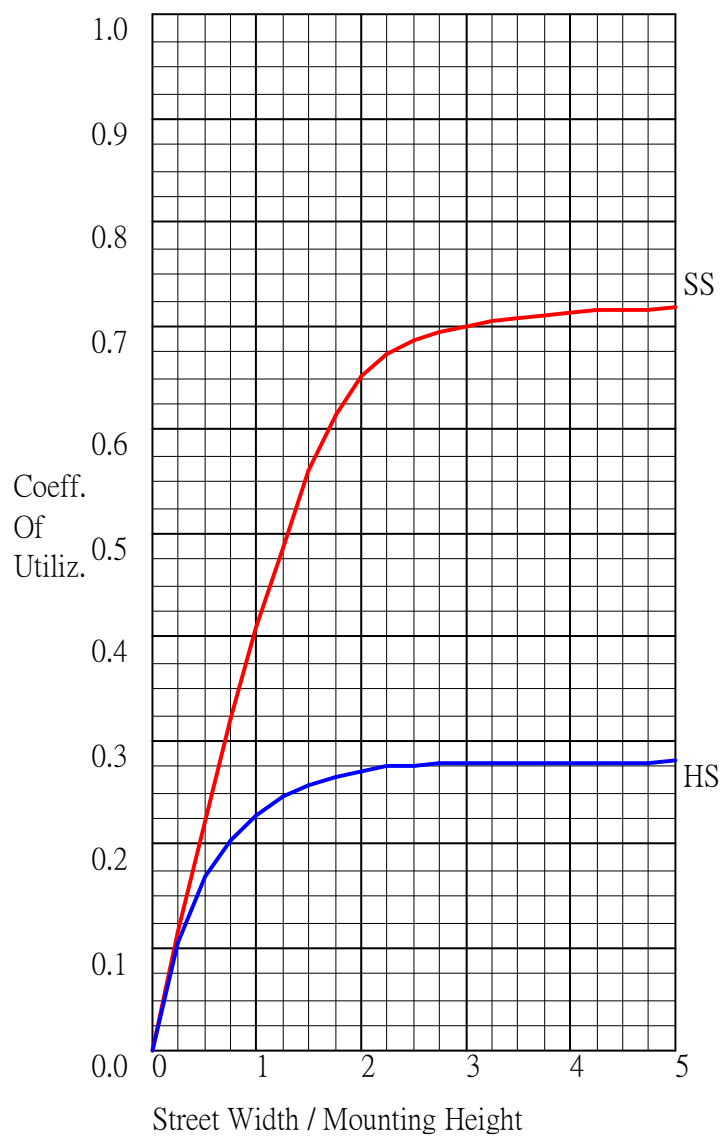
CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20419
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	146
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13270.247
Maximum Candela Angle	60H 73V
Maximum Candela (<90 Degrees Vertical)	13270.247
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	1817.831 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1697.3	N.A.	8.3
FM - Front-Medium (30-60)	6809.2	N.A.	33.3
FH - Front-High (60-80)	6086.1	N.A.	29.8
FVH - Front-Very High (80-90)	102.5	N.A.	0.5
BL - Back-Low (0-30)	1536.9	N.A.	7.5
BM - Back-Medium (30-60)	2934.9	N.A.	14.4
BH - Back-High (60-80)	1231.1	N.A.	6.0
BVH - Back-Very High (80-90)	20.8	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	20418.8	N.A.	100.0
BUG Rating	B3-U0-G3		

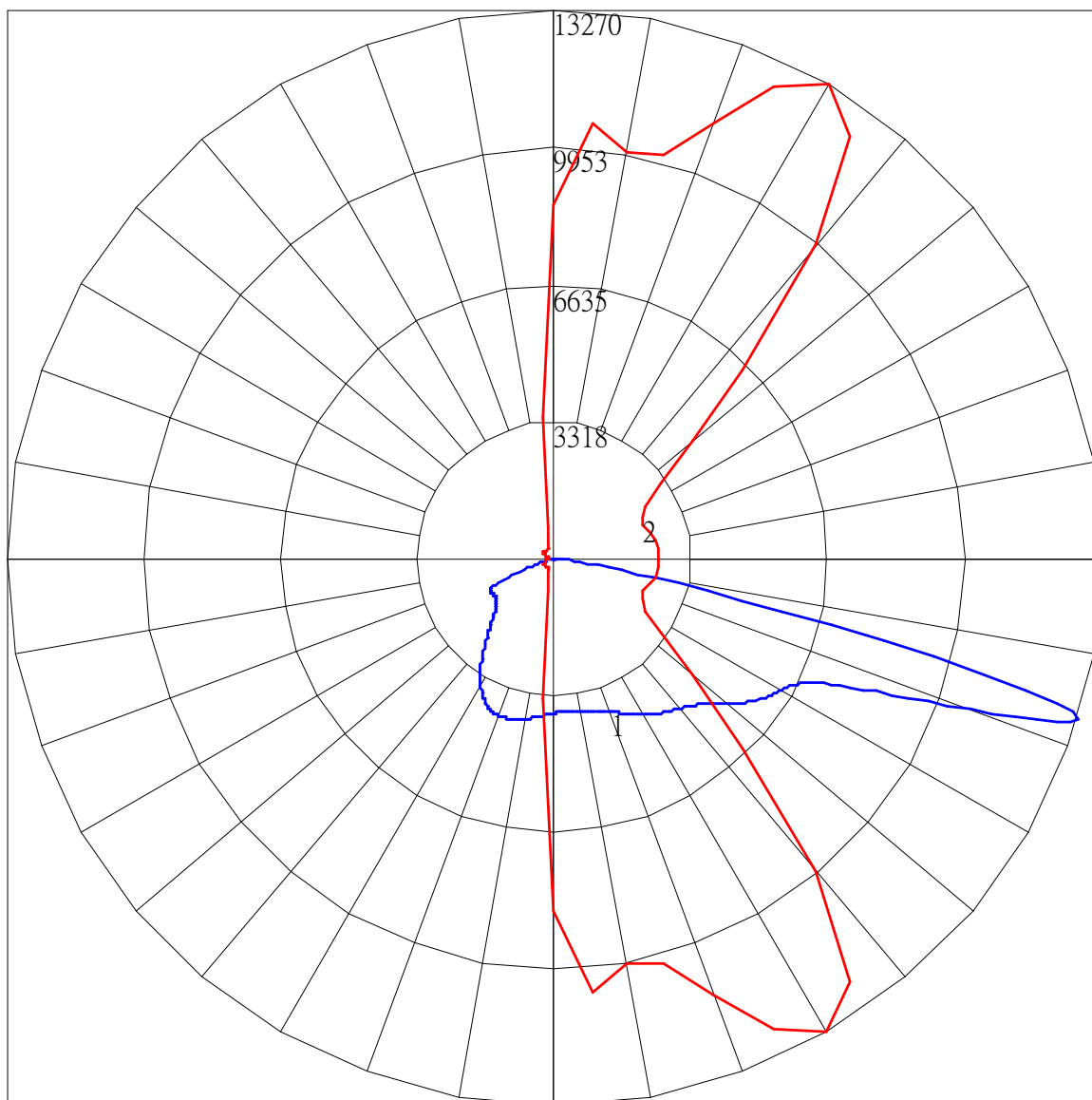
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	14695.2	72.0
Downward House Side	5723.7	28.0
Downward Total	20418.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20418.9	100.0

POLAR GRAPH

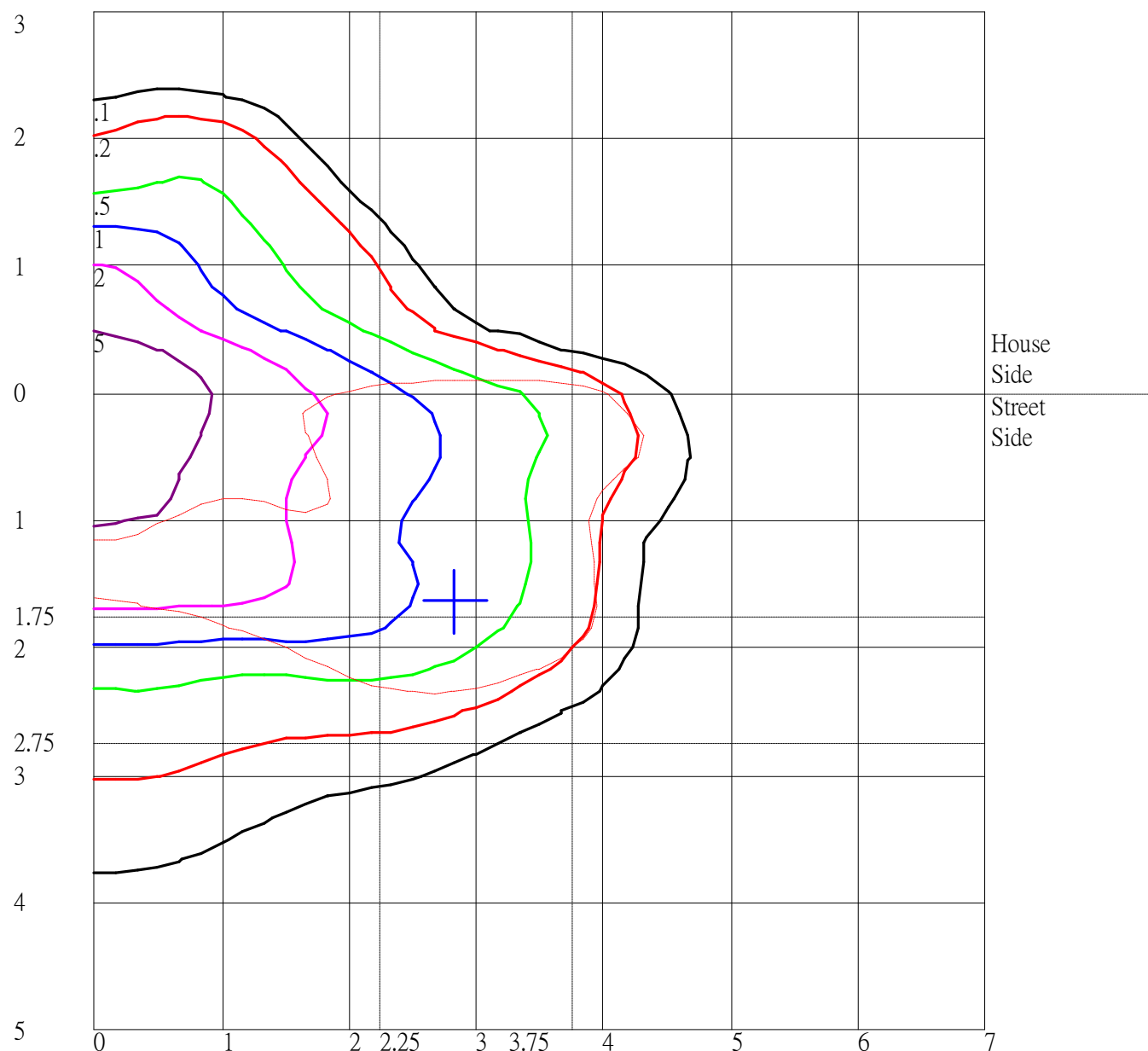


Maximum Candela = 13270.247 Located At Horizontal Angle = 60, Vertical Angle = 73

1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)

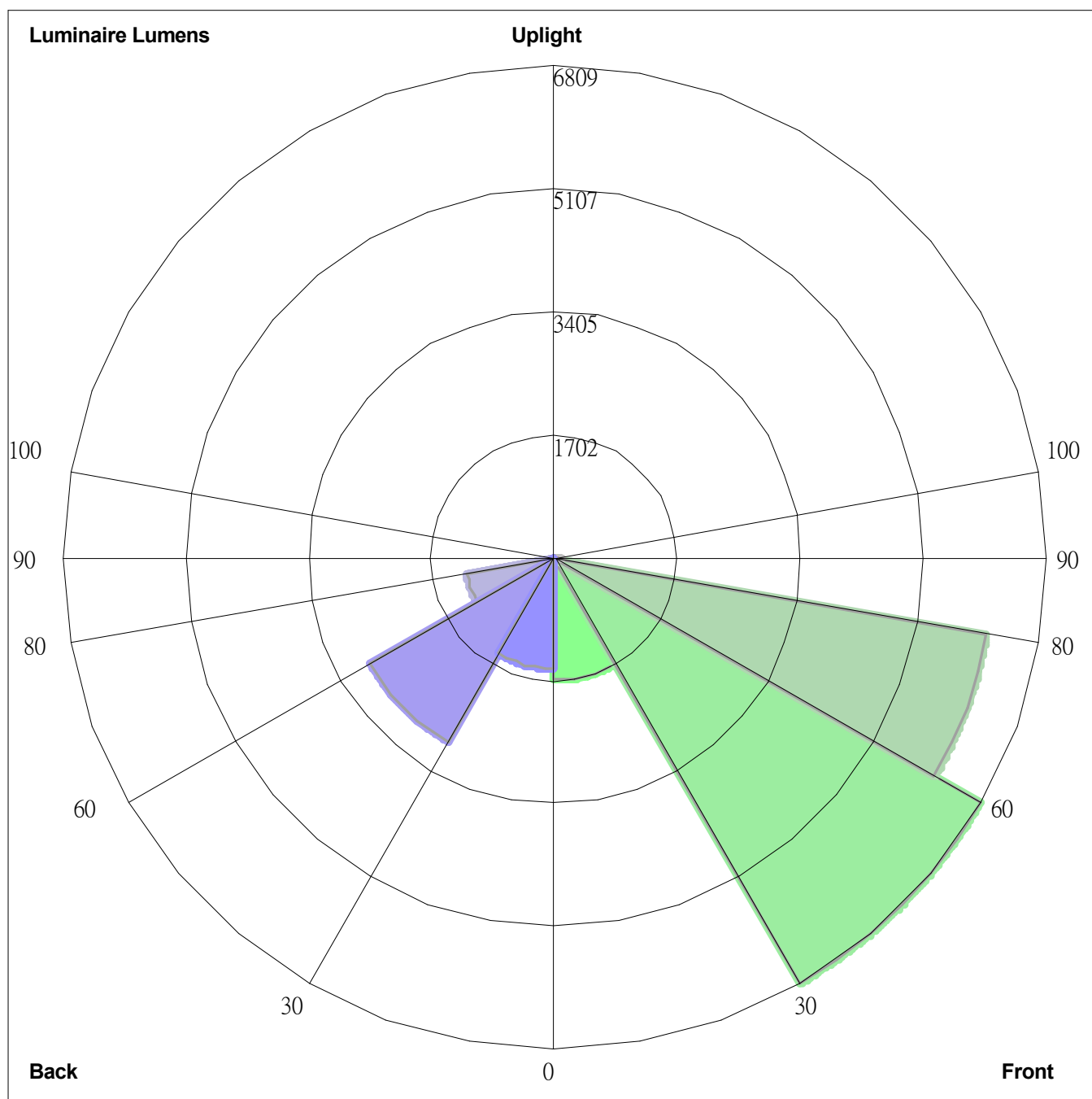
2 - Horizontal Cone Through Vertical Angle (73) (Through Max. Cd.)

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=1697.3, Medium=6809.2, High=6086.1, Very High=102.5
Back: Low=1536.9, Medium=2934.9, High=1231.1, Very High=20.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3