



IES ROAD REPORT
PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-3R-XX-230 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-3R-XX-240
 [ISSUEDATE] 6/24/2019
 [MANUFAC] Leotek Electronics USA LLC
 [LUMCAT] GCL1-80J-MV-27K-3R-XX-230

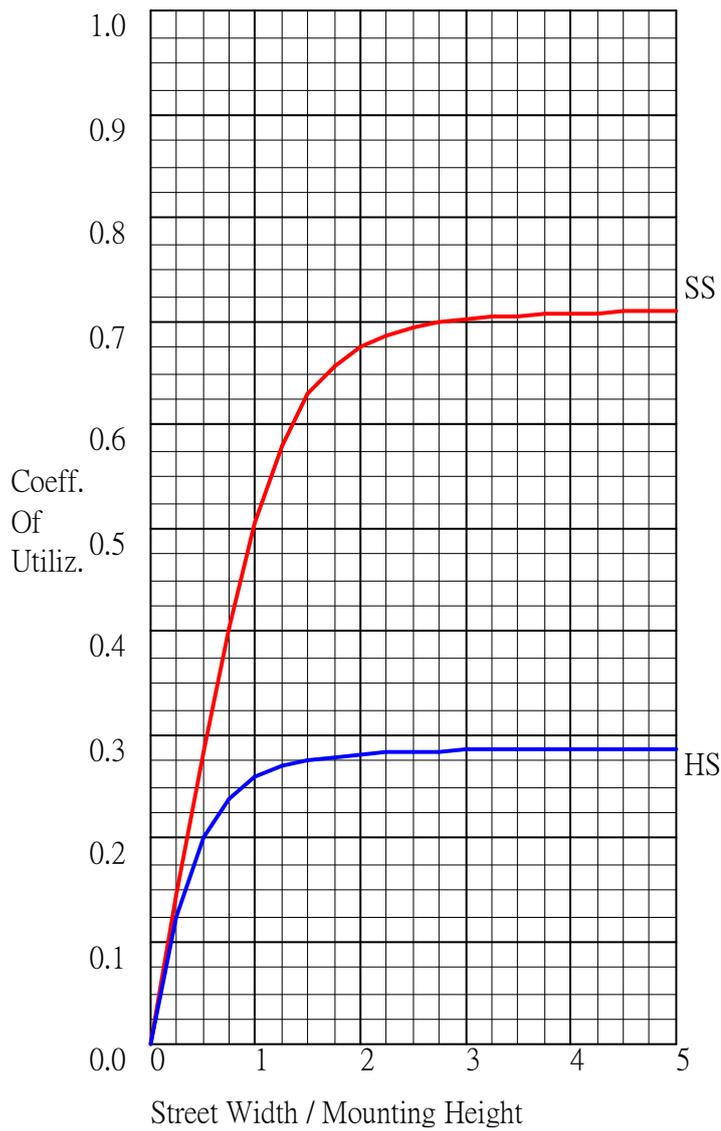
CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23160
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	171
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12008.708
Maximum Candela Angle	80H 71.5V
Maximum Candela (<90 Degrees Vertical)	12008.708
Maximum Candela At 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	1335.083 (5.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2733.5	N.A.	11.8
FM - Front-Medium (30-60)	8342.3	N.A.	36.0
FH - Front-High (60-80)	5295.8	N.A.	22.9
FVH - Front-Very High (80-90)	104.7	N.A.	0.5
BL - Back-Low (0-30)	1878.1	N.A.	8.1
BM - Back-Medium (30-60)	2827.0	N.A.	12.2
BH - Back-High (60-80)	1935.6	N.A.	8.4
BVH - Back-Very High (80-90)	42.9	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	23159.9	N.A.	100.0
BUG Rating	B3-U0-G3		

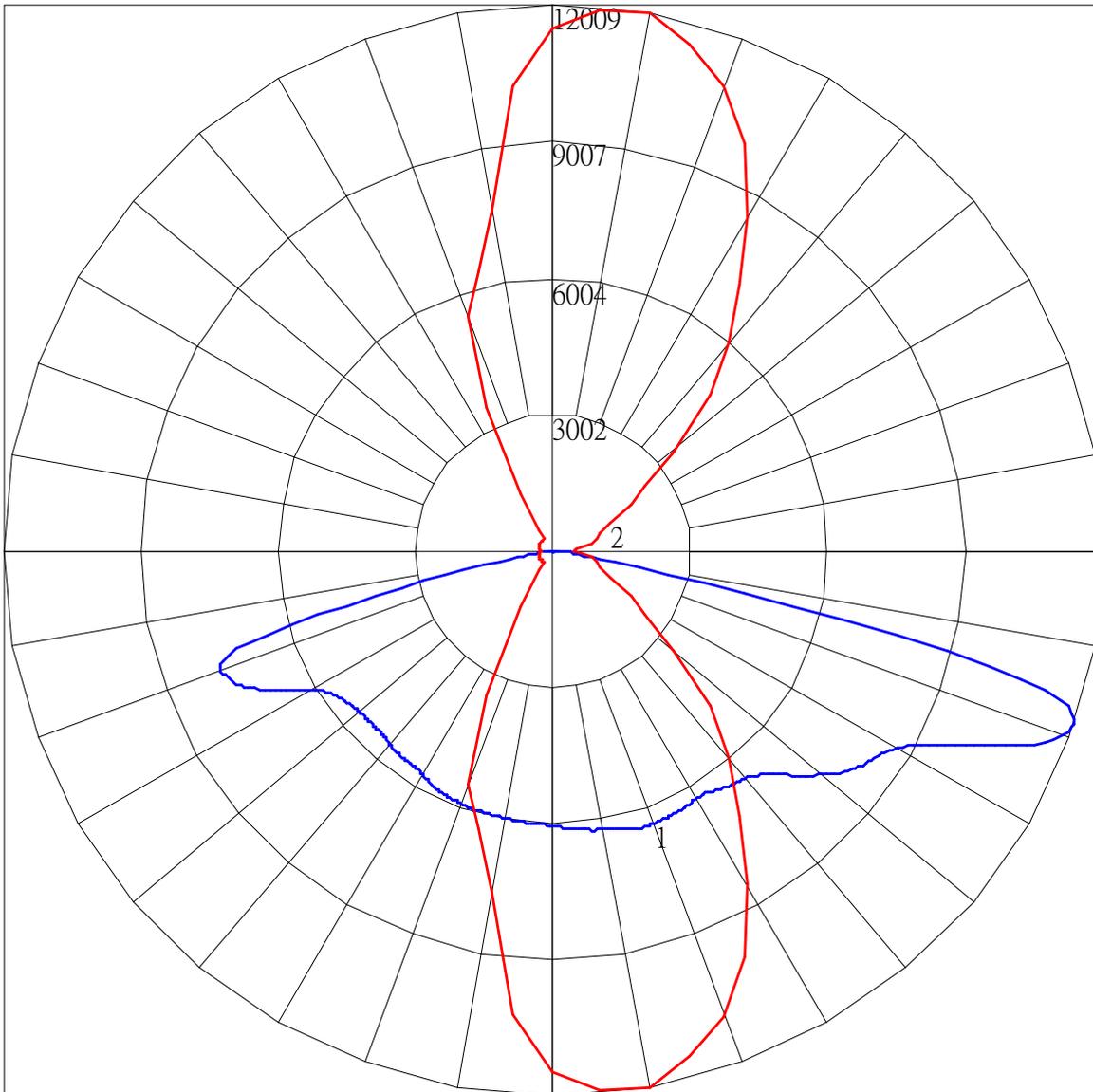
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

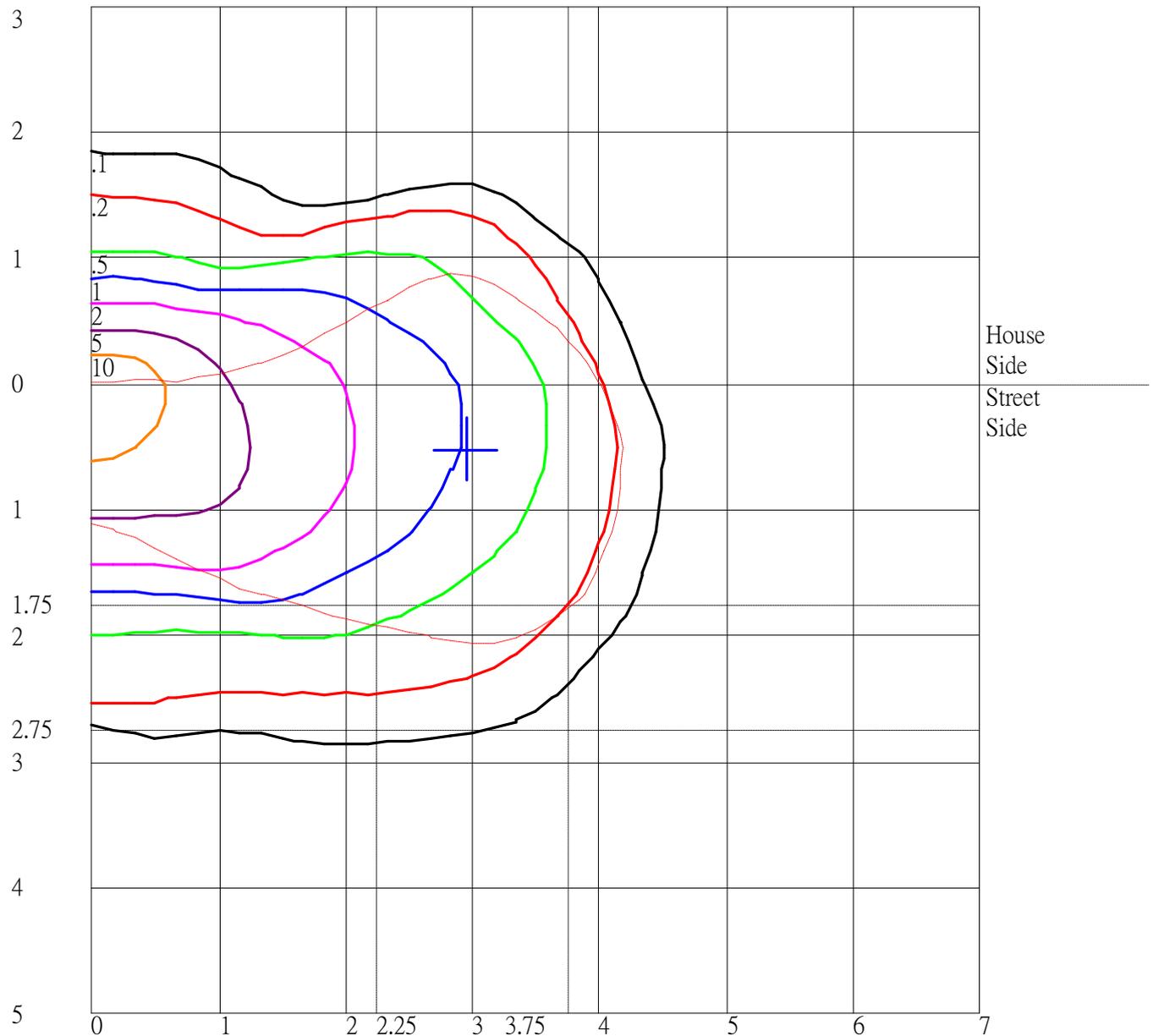
	Lumens	Percent Of Luminaire
Downward Street Side	16476.3	71.1
Downward House Side	6683.7	28.9
Downward Total	23160.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23160.0	100.0

POLAR GRAPH



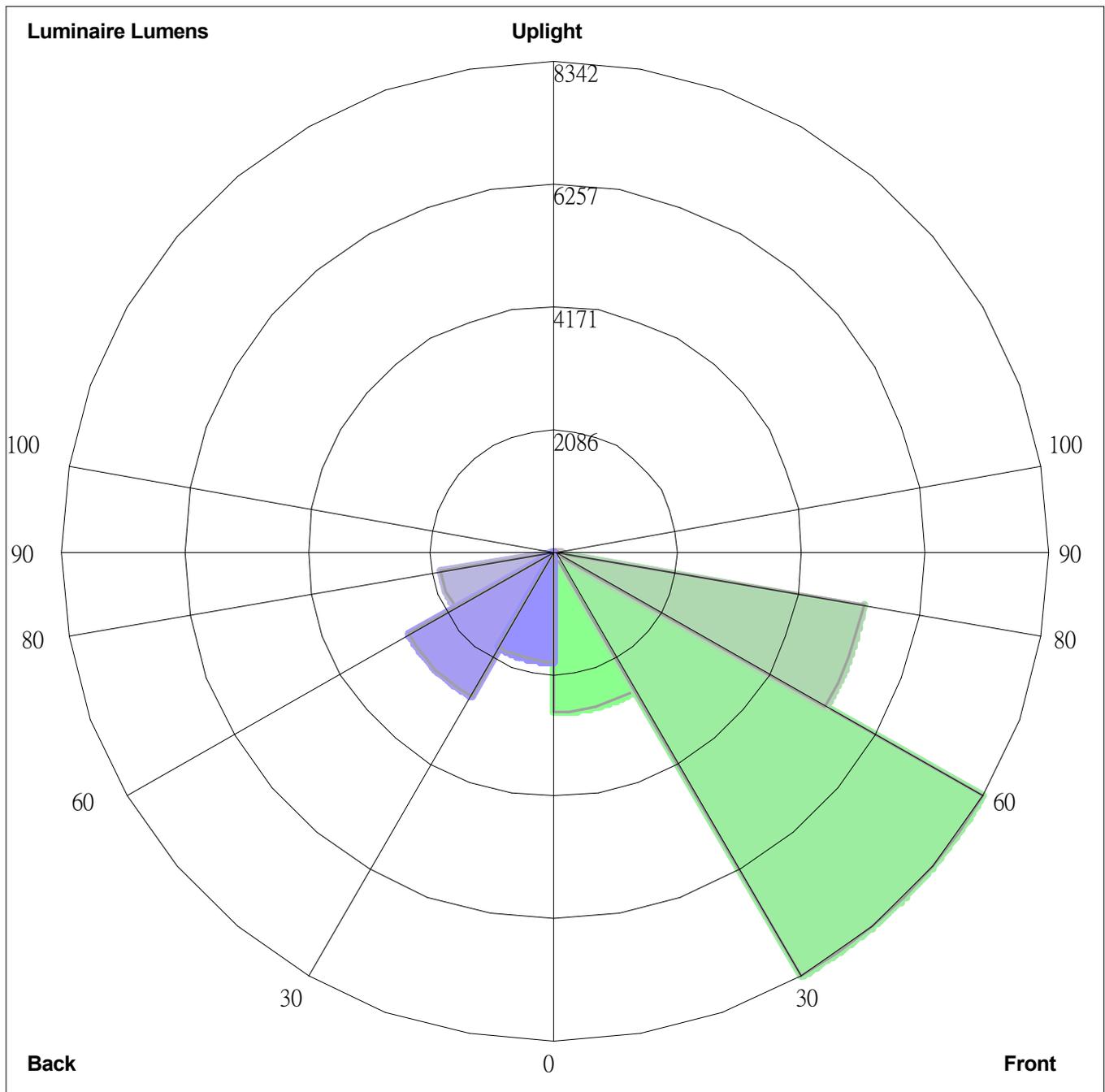
Maximum Candela = 12008.708 Located At Horizontal Angle = 80, Vertical Angle = 71.5
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71.5) (Through Max. Cd.)

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=2733.5, Medium=8342.3, High=5295.8, Very High=104.7
 Back: Low=1878.1, Medium= 2827.0, High=1935.6, Very High=42.9
 Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3