



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-3R-XX-175 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-3R-XX-185
 [ISSUEDATE] 6/20/2019
 [MANUFAC] Leotek Electronics USA LLC
 [LUMCAT] GCL1-80J-MV-27K-3R-XX-175

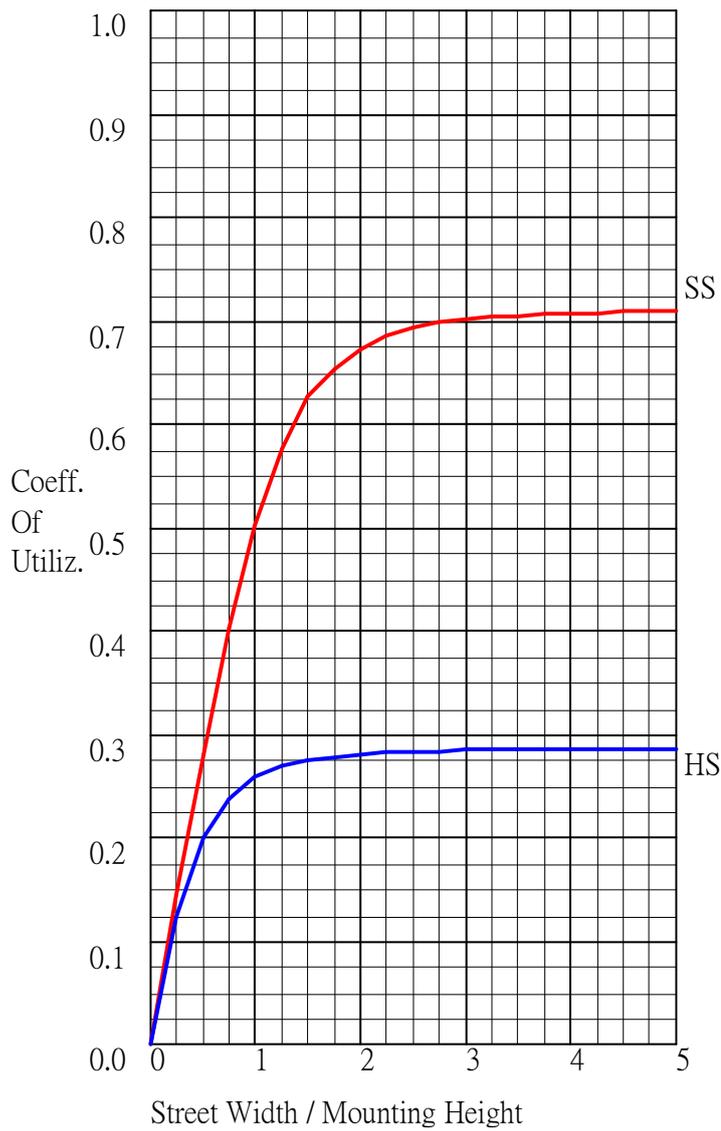
CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17898
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	123
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9201.58
Maximum Candela Angle	85H 72.5V
Maximum Candela (<90 Degrees Vertical)	9201.58
Maximum Candela At 90 Degrees Vertical)	85H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1250.013 (7.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2107.2	N.A.	11.8
FM - Front-Medium (30-60)	6415.6	N.A.	35.8
FH - Front-High (60-80)	4125.0	N.A.	23.0
FVH - Front-Very High (80-90)	89.1	N.A.	0.5
BL - Back-Low (0-30)	1452.9	N.A.	8.1
BM - Back-Medium (30-60)	2185.9	N.A.	12.2
BH - Back-High (60-80)	1489.0	N.A.	8.3
BVH - Back-Very High (80-90)	33.4	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	17898.1	N.A.	100.0
BUG Rating	B3-U0-G3		

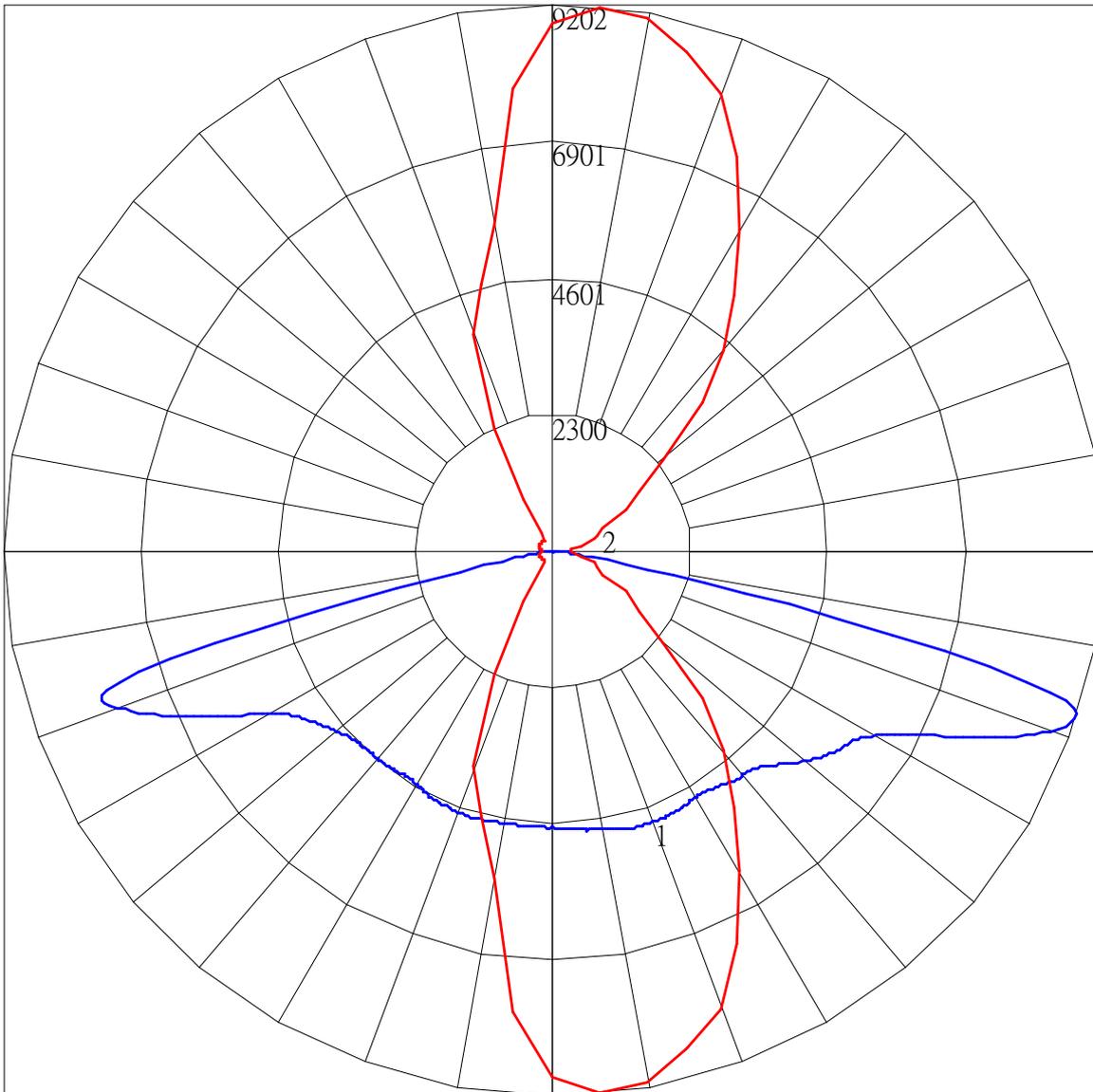
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

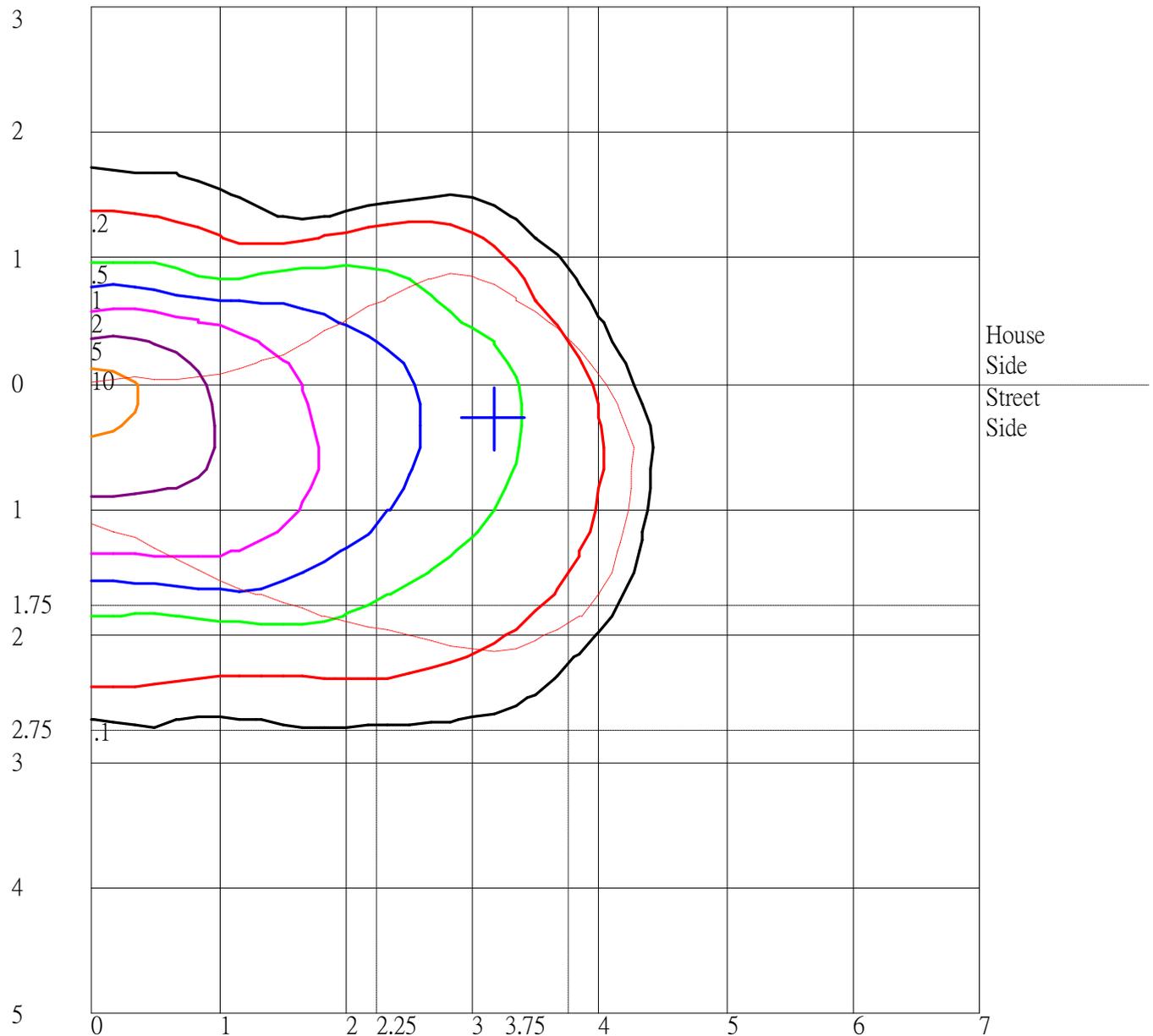
	Lumens	Percent Of Luminaire
Downward Street Side	12736.9	71.2
Downward House Side	5161.2	28.8
Downward Total	17898.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17898.1	100.0

POLAR GRAPH



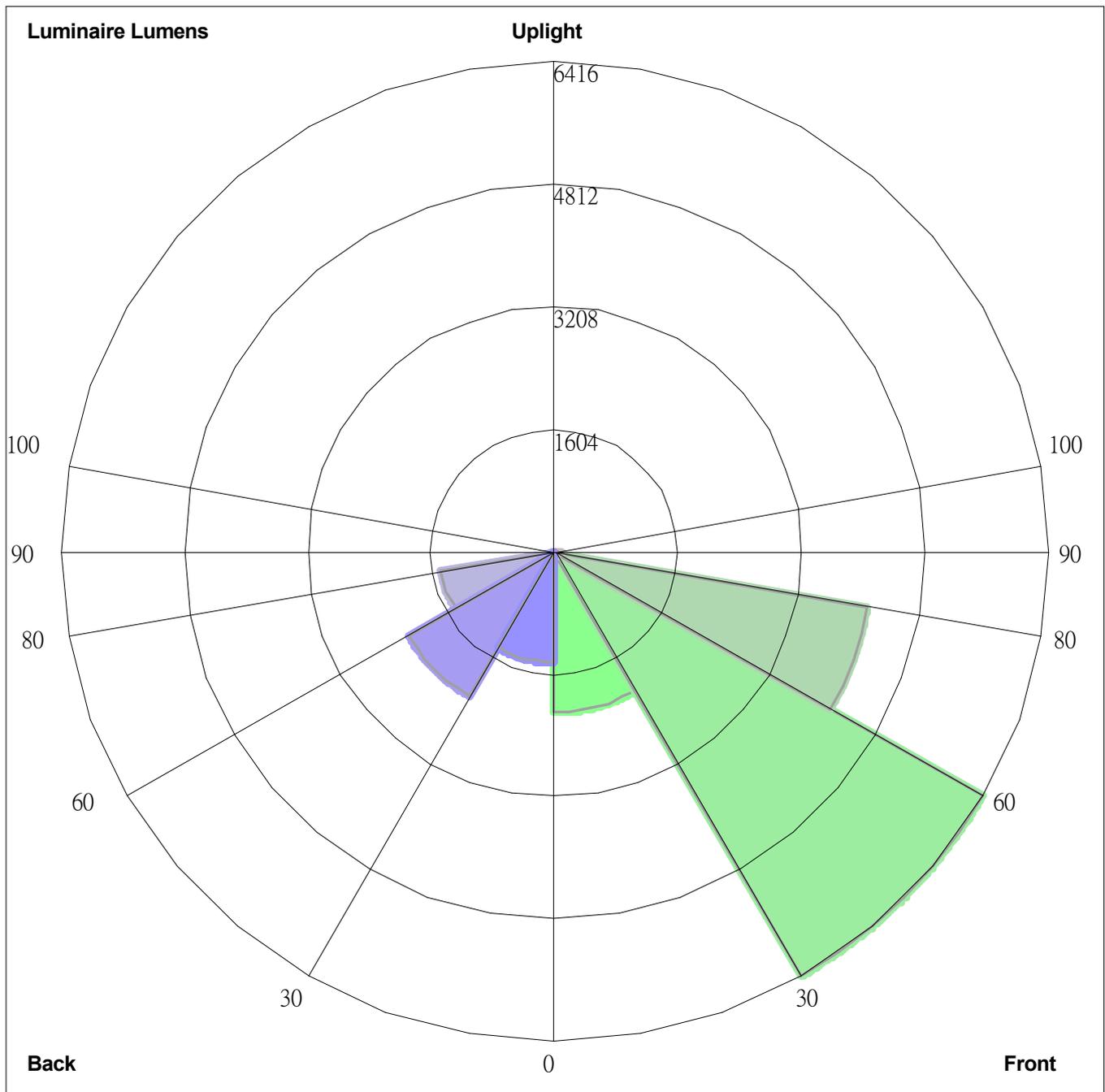
Maximum Candela = 9201.58 Located At Horizontal Angle = 85, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=2107.2, Medium=6415.6, High= 4125.0, Very High=89.1
Back: Low=1452.9, Medium=2185.9, High= 1489.0, Very High=33.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3