



IES ROAD REPORT
PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-4-XX-175 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-4-XX-185
[ISSUEDATE] 6/20/2019
[MANUFAC] Leotek Electronics USA LLC
[LUMCAT] GCL1-80J-MV-27K-4-XX-175

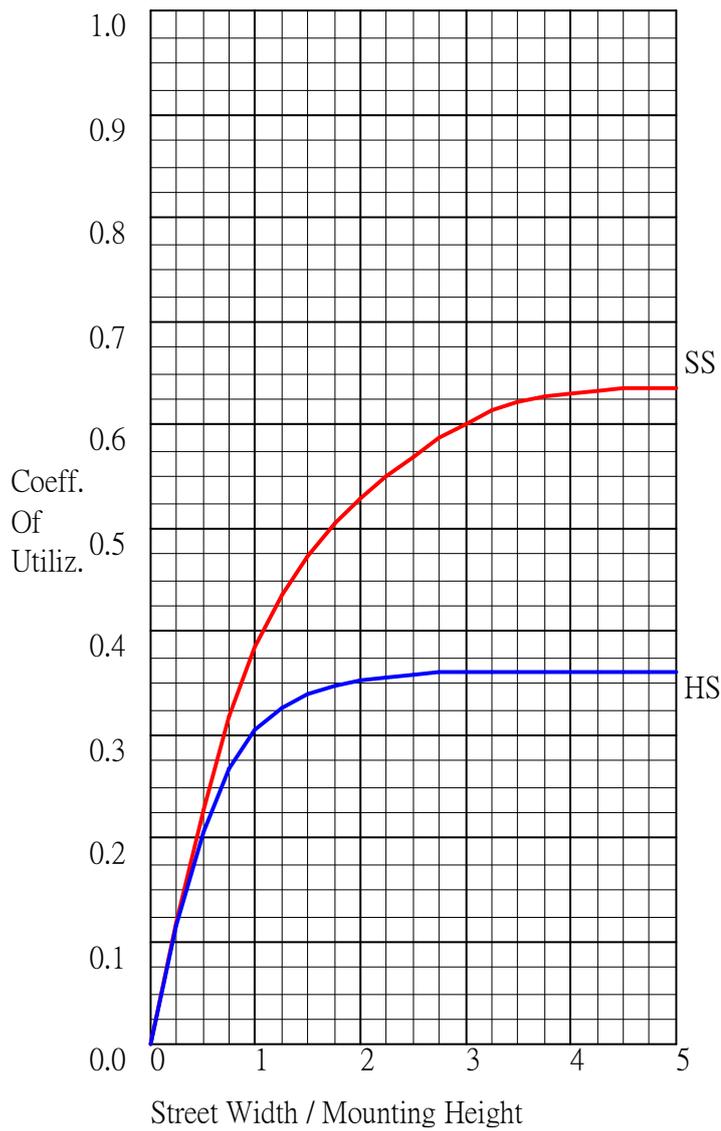
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18467
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	123
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10907.326
Maximum Candela Angle	80H 71V
Maximum Candela (<90 Degrees Vertical)	10907.326
Maximum Candela Angle (<90 Degrees Vertical)	80H 71V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	934.423 (5.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1823.6	N.A.	9.9
FM - Front-Medium (30-60)	5116.8	N.A.	27.7
FH - Front-High (60-80)	4774.6	N.A.	25.9
FVH - Front-Very High (80-90)	62.5	N.A.	0.3
BL - Back-Low (0-30)	1583.5	N.A.	8.6
BM - Back-Medium (30-60)	3821.9	N.A.	20.7
BH - Back-High (60-80)	1277.9	N.A.	6.9
BVH - Back-Very High (80-90)	5.8	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	18466.6	N.A.	100.0
BUG Rating	B3-U0-G3		

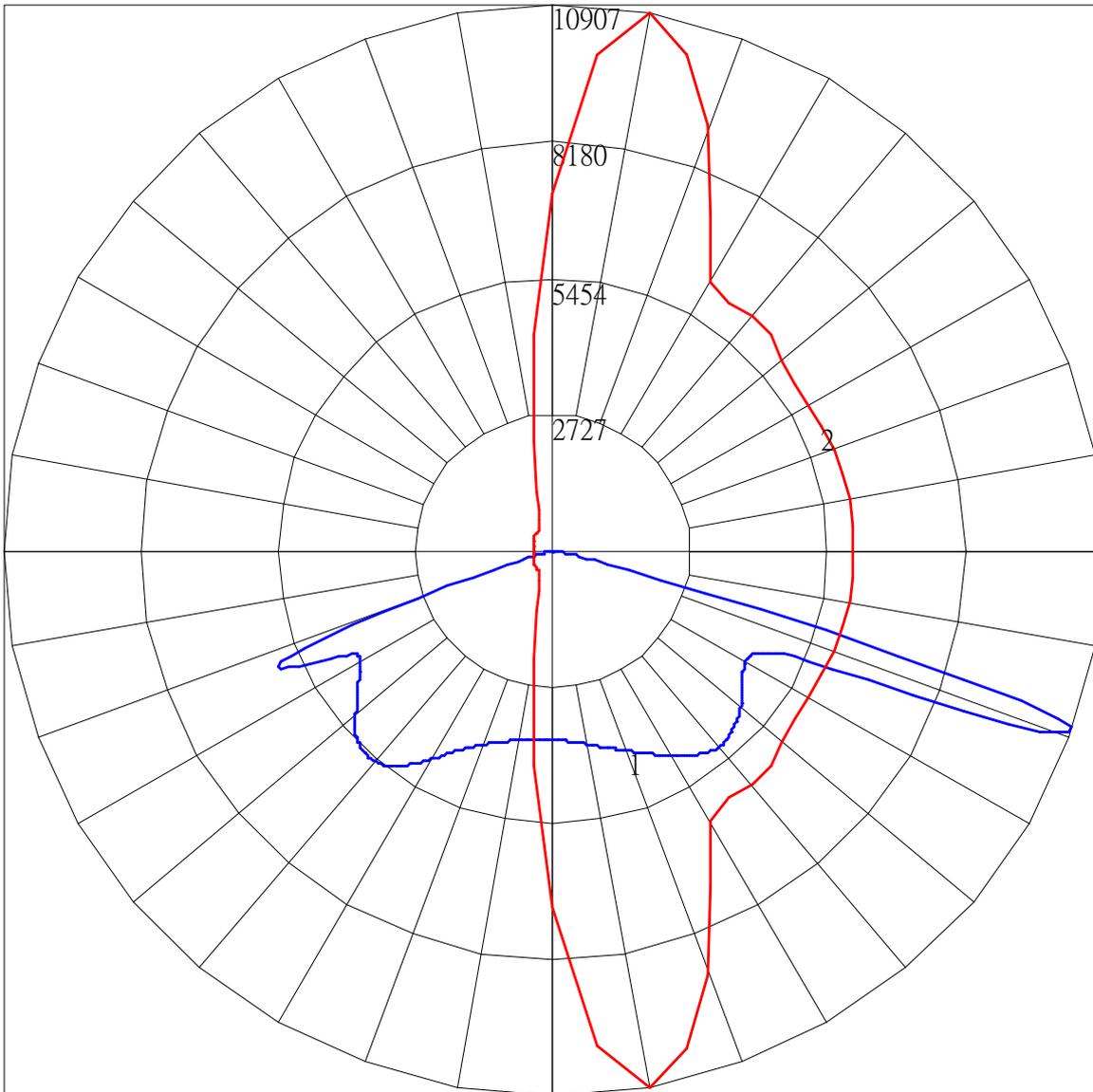
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

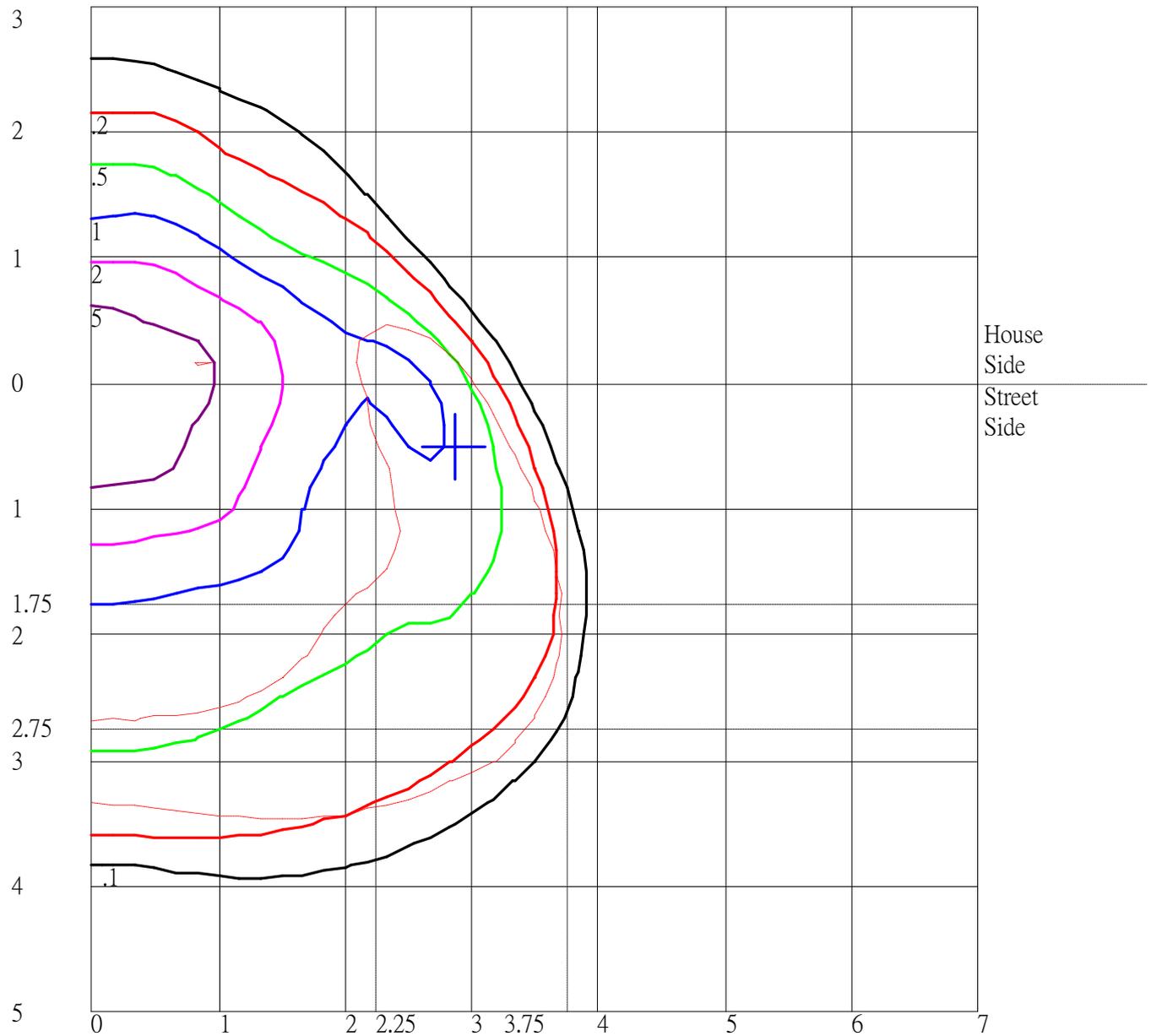
	Lumens	Percent Of Luminaire
Downward Street Side	11777.5	63.8
Downward House Side	6689.0	36.2
Downward Total	18466.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18466.5	100.0

POLAR GRAPH



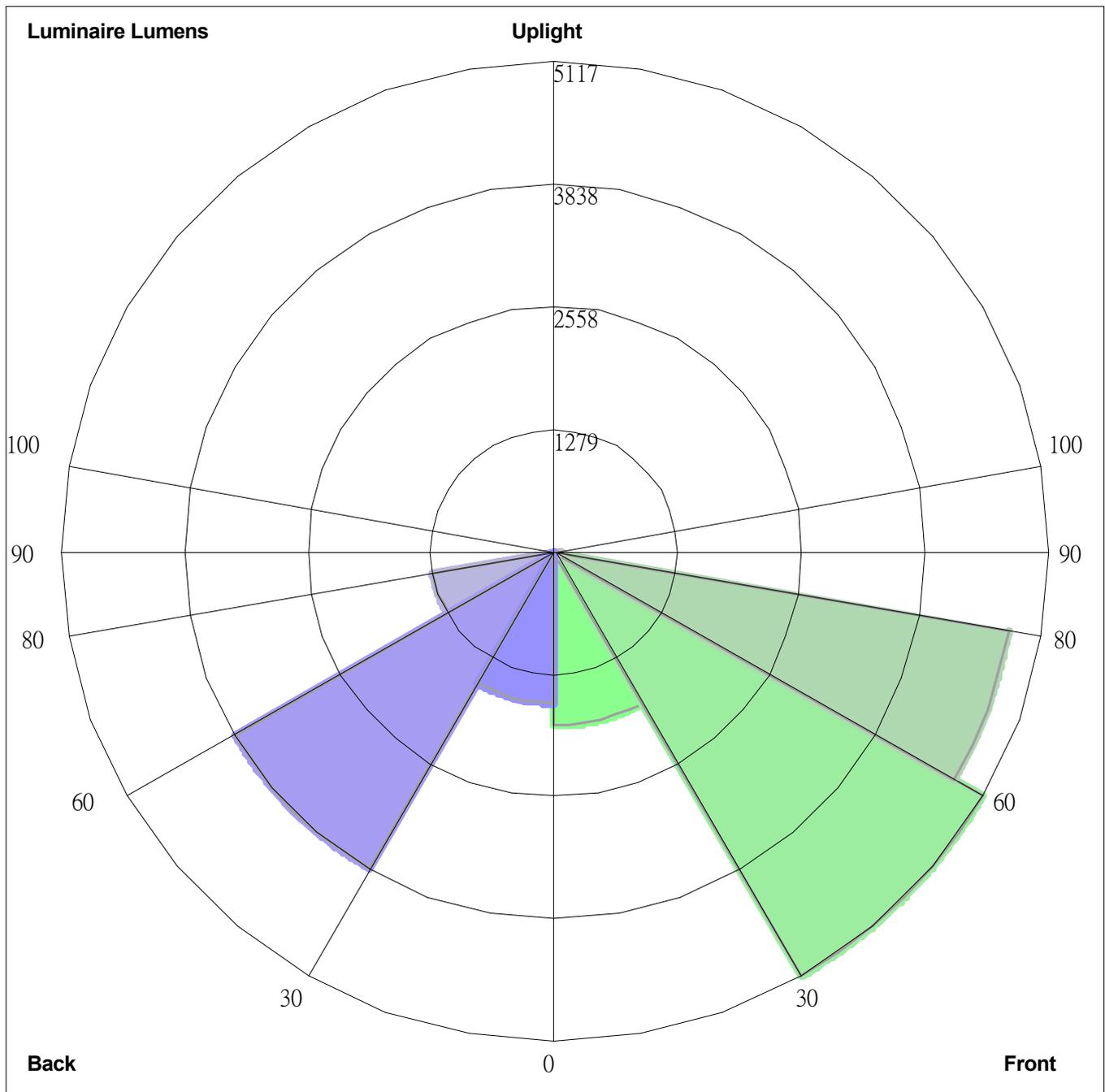
Maximum Candela = 10907.326 Located At Horizontal Angle = 80, Vertical Angle = 71
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

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=1823.6, Medium=5116.8, High=4774.6, Very High=62.5
Back: Low=1583.5, Medium=3821.9, High=1277.9, Very High=5.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3