



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL2-80J-MV-27K-2S-XX-230 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Scaled from NVLAP LM-79 for GCL2-80J-MV-30K-2S-XX-225

[ISSUEDATE] 6/20/2019

[MANUFAC] Leotek Electronics USA LLC

[LUMCAT] GCL2-80J-MV-27K-2S-XX-240 S

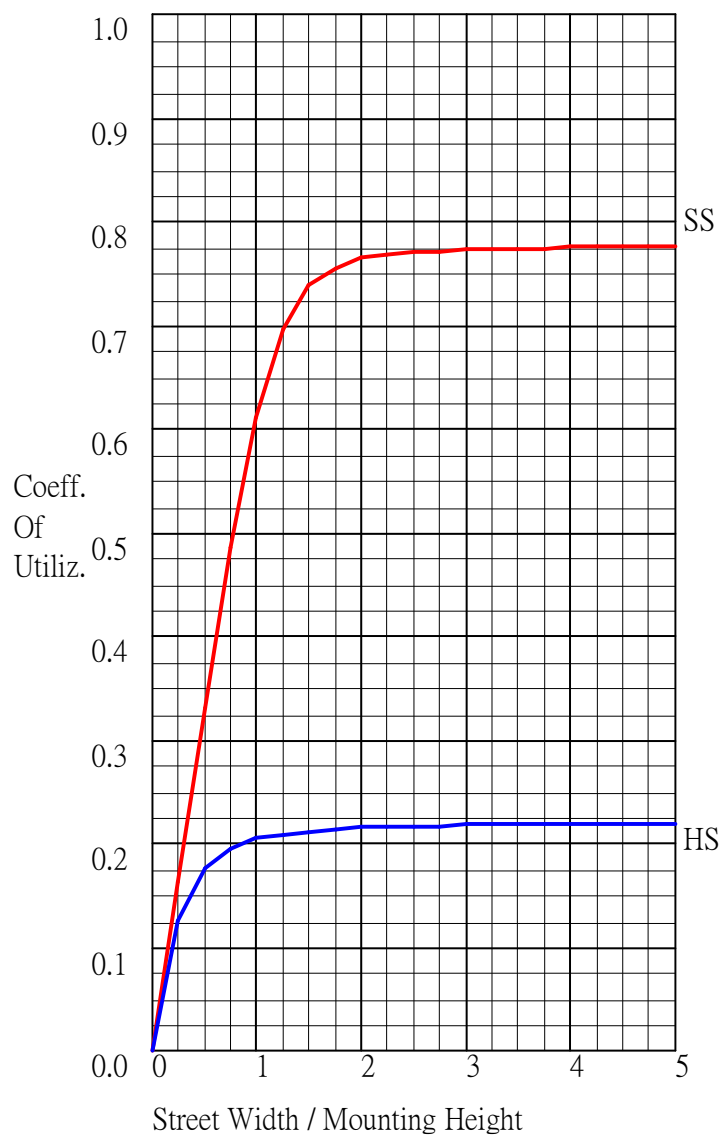
CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22526
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	173
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15005.892
Maximum Candela Angle	55H 58V
Maximum Candela (<90 Degrees Vertical)	15005.892
Maximum Candela Angle (<90 Degrees Vertical)	55H 58V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2460.845 (10.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3312.7	N.A.	14.7
FM - Front-Medium (30-60)	9736.1	N.A.	43.2
FH - Front-High (60-80)	4389.5	N.A.	19.5
FVH - Front-Very High (80-90)	104.5	N.A.	0.5
BL - Back-Low (0-30)	2058.2	N.A.	9.1
BM - Back-Medium (30-60)	1923.0	N.A.	8.5
BH - Back-High (60-80)	969.2	N.A.	4.3
BVH - Back-Very High (80-90)	32.6	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	22525.8	N.A.	100.0
BUG Rating	B3-U0-G2		

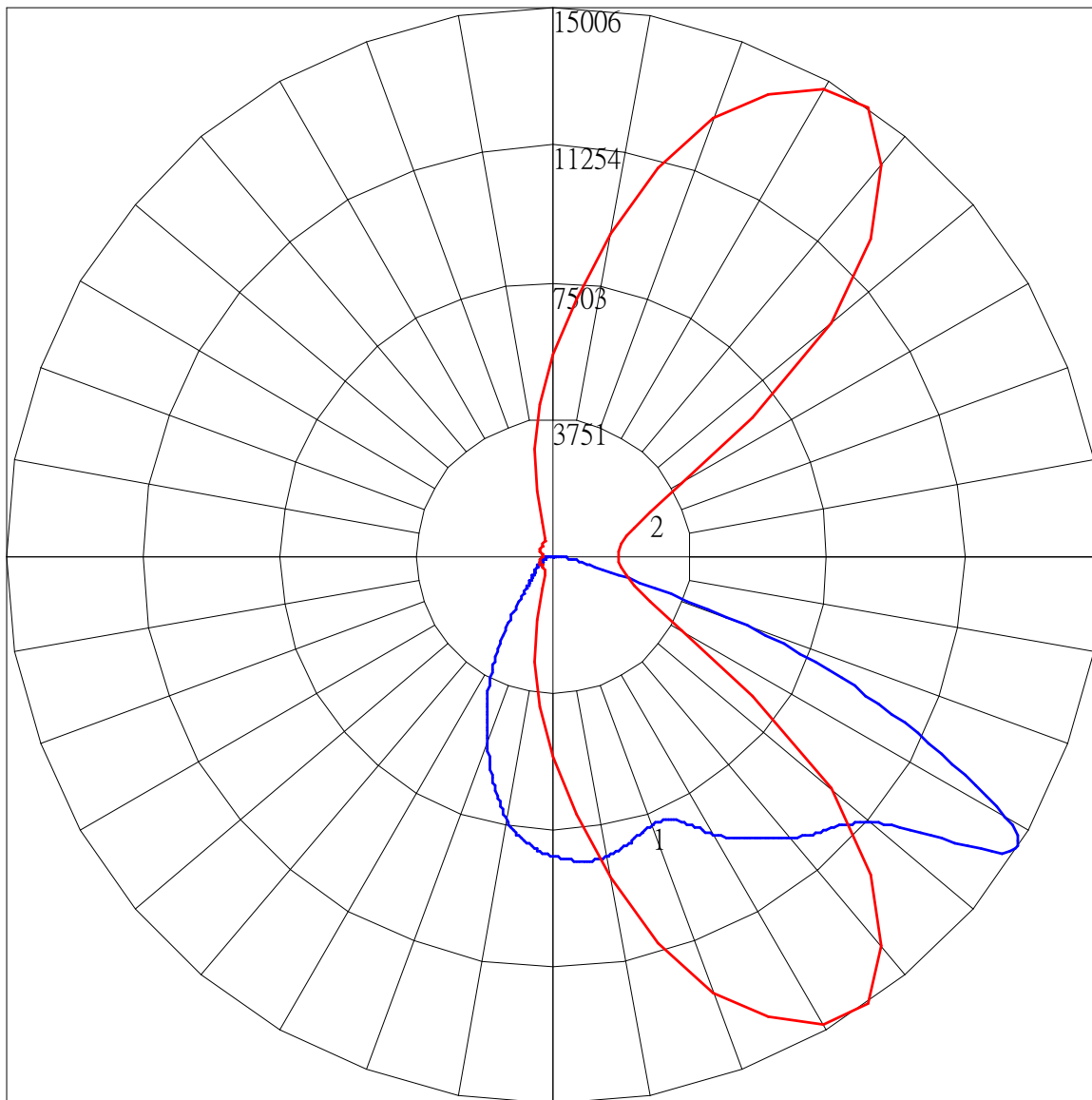
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	17542.9	77.9
Downward House Side	4983.1	22.1
Downward Total	22526.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	22526.0	100.0

POLAR GRAPH

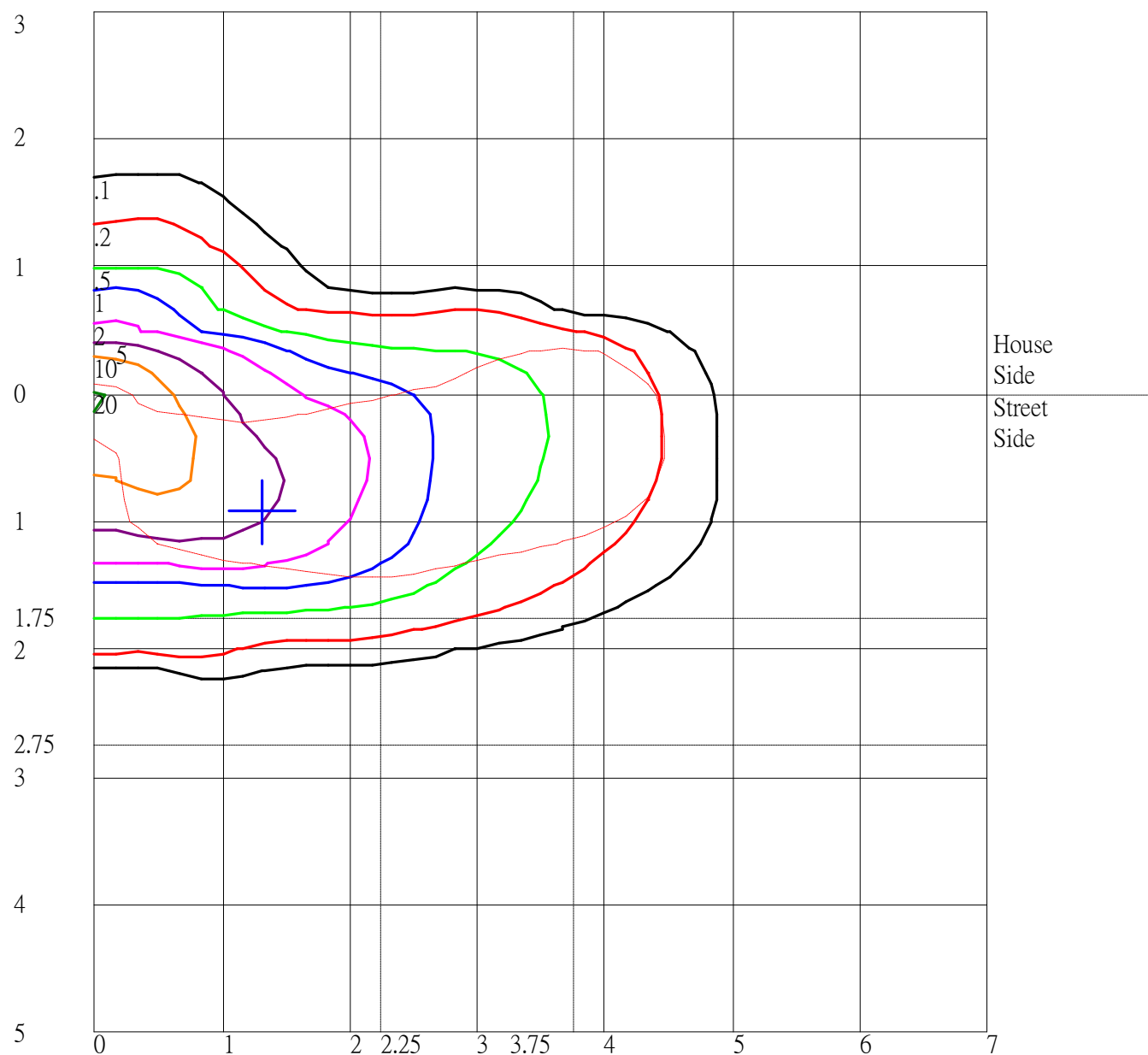


Maximum Candela = 15005.892 Located At Horizontal Angle = 55, Vertical Angle = 58

1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)

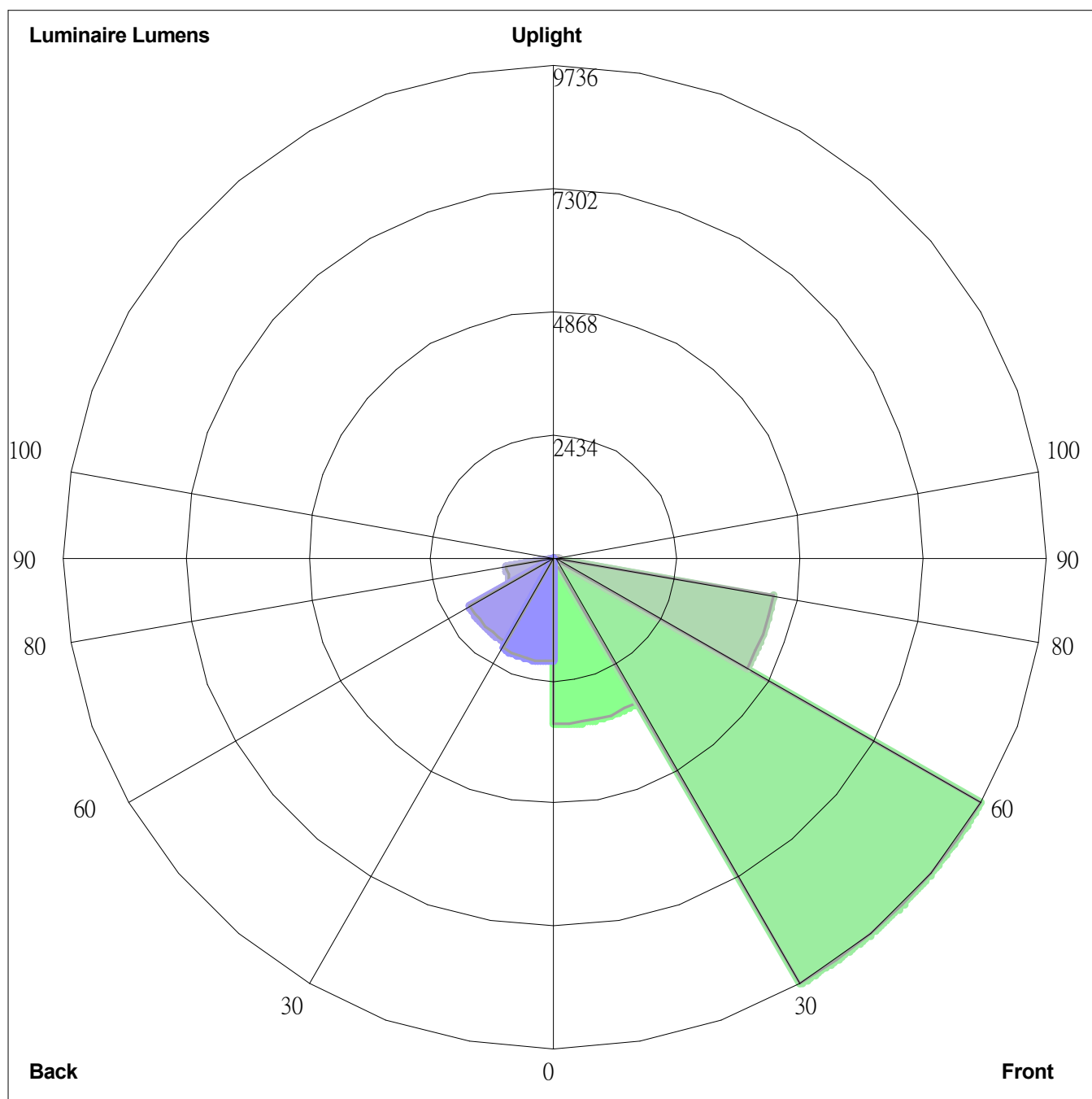
2 - Horizontal Cone Through Vertical Angle (58) (Through Max. Cd.)

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=3312.7, Medium=9736.1, High=4389.5, Very High=104.5
Back: Low=2058.2, Medium= 1923.0, High=969.2, Very High=32.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2