



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL1-80J-MV-27K-2S-XX-175 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCL1-80J-MV-30K-2S-XX-185  
 [ISSUEDATE] 6/20/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL1-80J-MV-27K-2S-XX-175

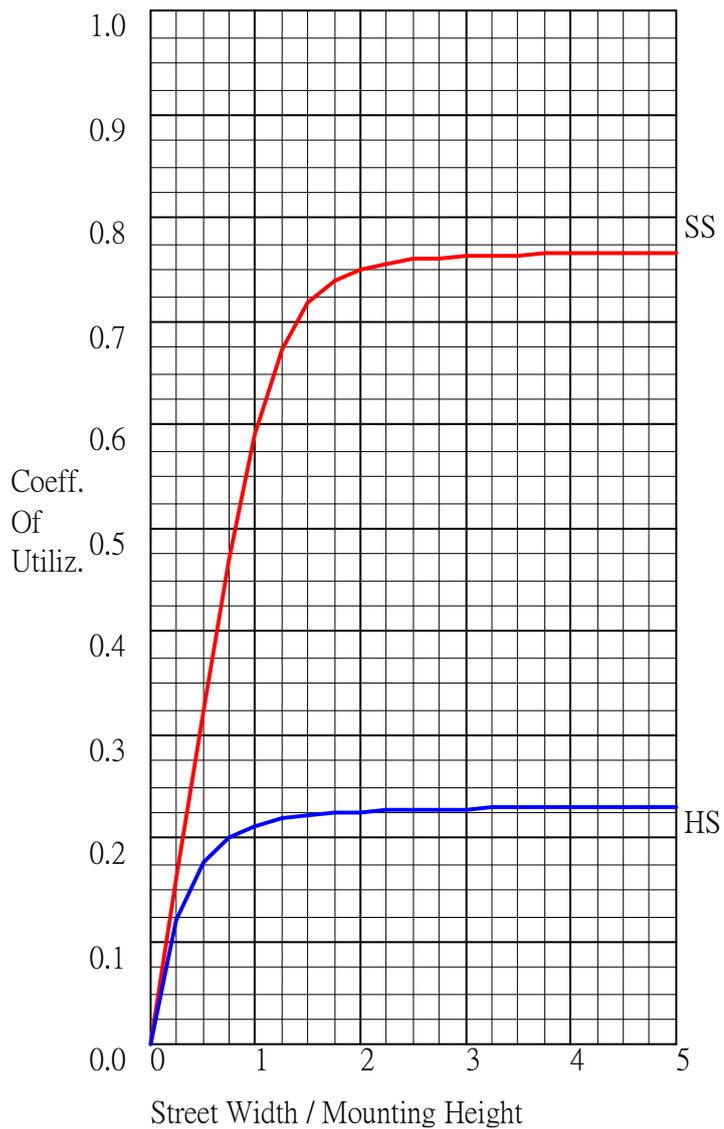
**CHARACTERISTICS**

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17666
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	123
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10629.546
Maximum Candela Angle	60H 59V
Maximum Candela (<90 Degrees Vertical)	10629.546
Maximum Candela At 90 Degrees Vertical)	60H 59V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1536.667 (8.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2590.1	N.A.	14.7
FM - Front-Medium (30-60)	7575.6	N.A.	42.9
FH - Front-High (60-80)	3331.5	N.A.	18.9
FVH - Front-Very High (80-90)	83.7	N.A.	0.5
BL - Back-Low (0-30)	1622.2	N.A.	9.2
BM - Back-Medium (30-60)	1577.2	N.A.	8.9
BH - Back-High (60-80)	857.2	N.A.	4.9
BVH - Back-Very High (80-90)	29.0	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
<b>Total</b>	<b>17666.5</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B3-U0-G2</b>		

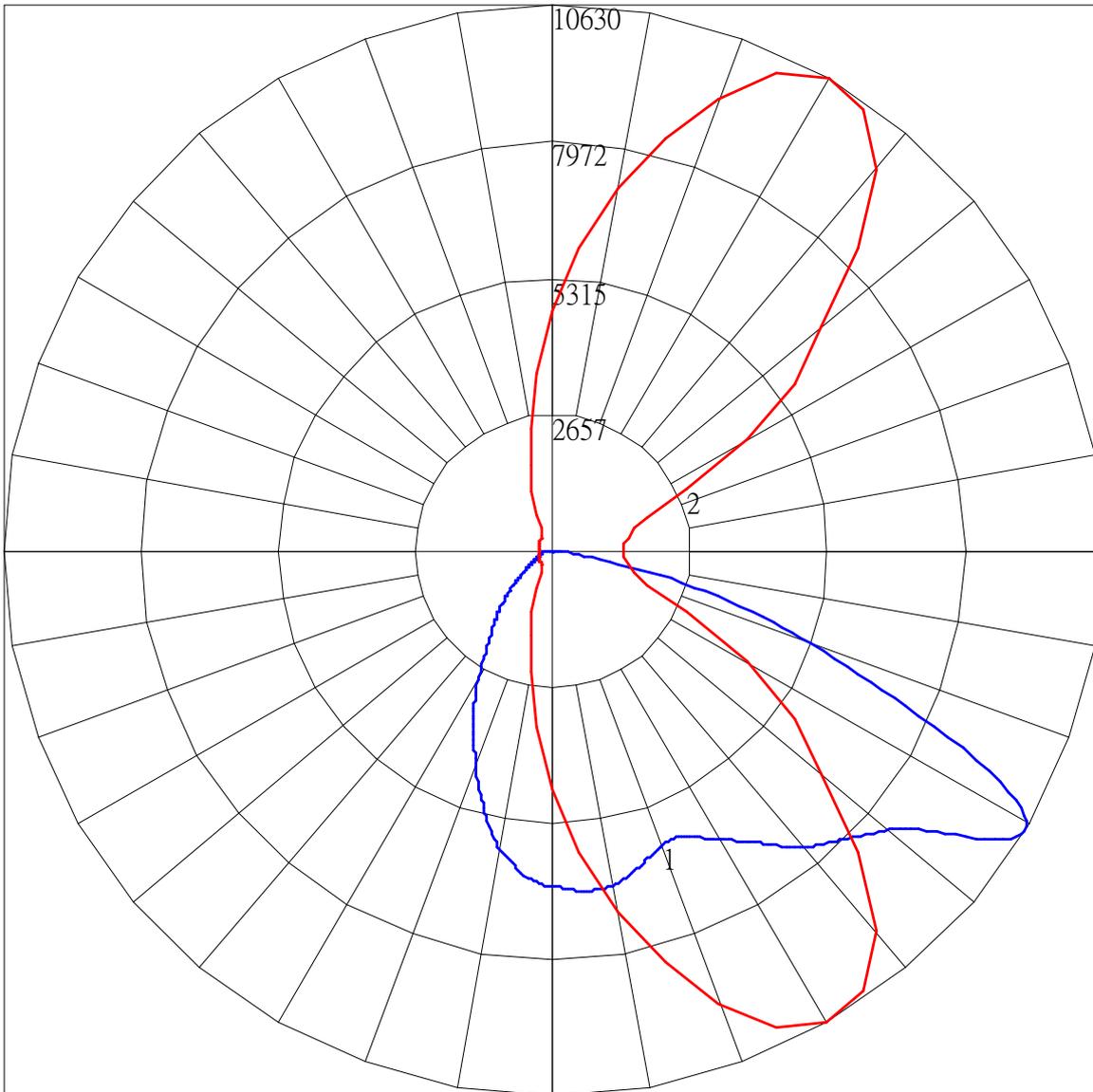
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

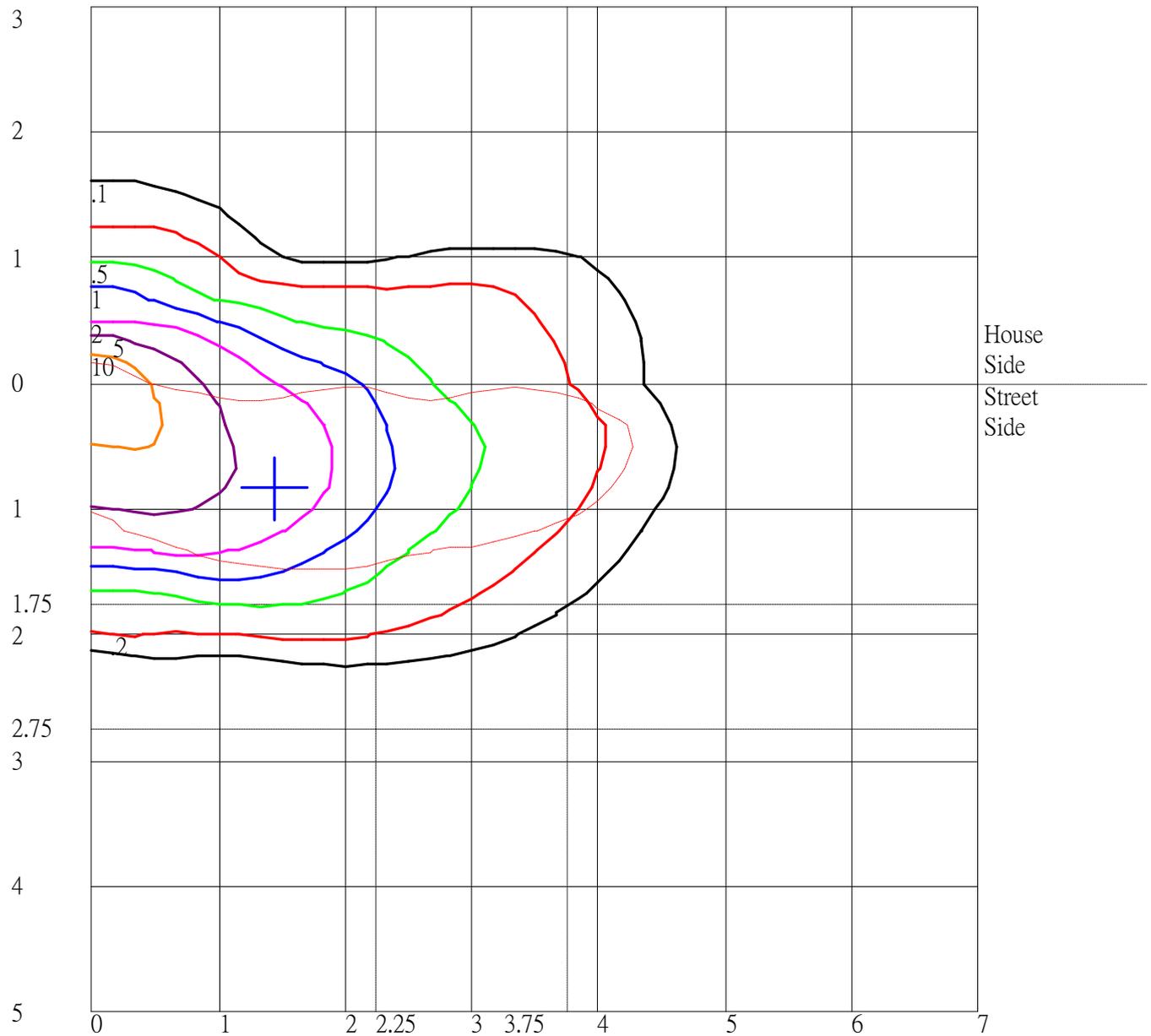
	Lumens	Percent Of Luminaire
Downward Street Side	13580.9	76.9
Downward House Side	4085.5	23.1
Downward Total	17666.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17666.4	100.0

POLAR GRAPH



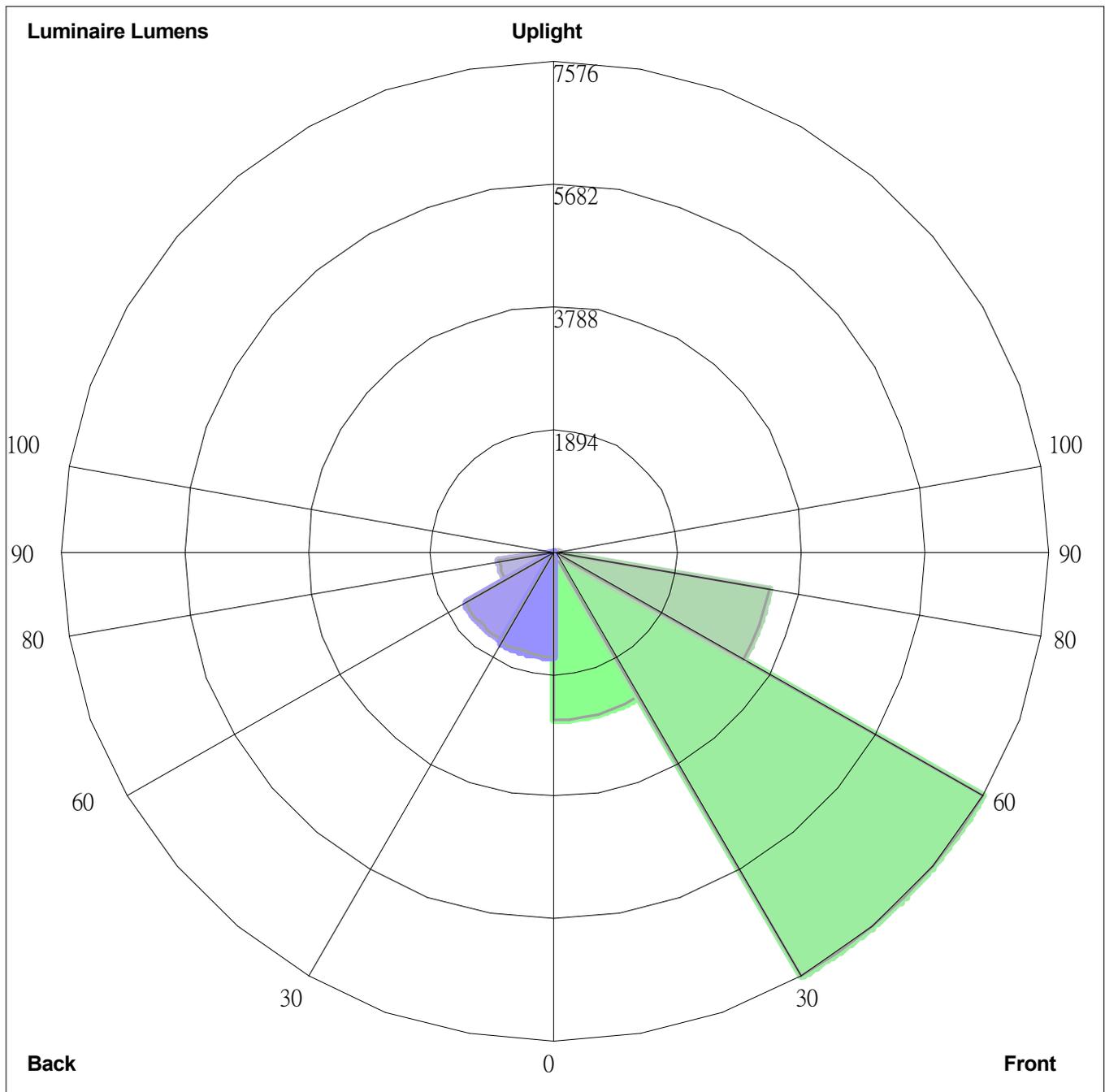
Maximum Candela = 10629.546 Located At Horizontal Angle = 60, Vertical Angle = 59  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (59) (Through Max. Cd.)

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=2590.1, Medium=7575.6, High=3331.5, Very High=83.7  
Back: Low=1622.2, Medium=1577.2, High=857.2, Very High=29.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2