



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-5-XX-270 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-5-XX-285  
 [ISSUE DATE] 12/16/2022  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL3-80J-MV-27K-5-XX-270

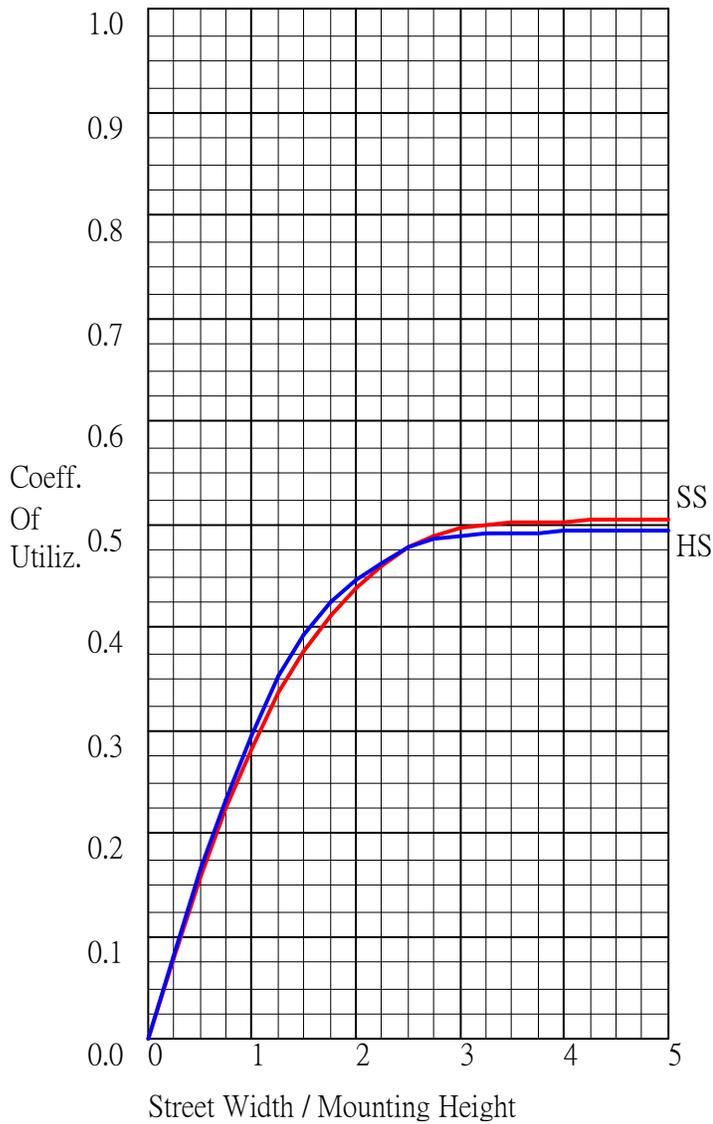
**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	26894
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	211.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11583.255
Maximum Candela Angle	315H 67.5V
Maximum Candela (<90 Degrees Vertical)	11583.255
Maximum Candela Angle (<90 Degrees Vertical)	315H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	372.4 (1.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1665.0	N.A.	6.2
FM - Front-Medium (30-60)	6378.7	N.A.	23.7
FH - Front-High (60-80)	5516.3	N.A.	20.5
FVH - Front-Very High (80-90)	43.8	N.A.	0.2
BL - Back-Low (0-30)	1772.0	N.A.	6.6
BM - Back-Medium (30-60)	6686.2	N.A.	24.9
BH - Back-High (60-80)	4816.6	N.A.	17.9
BVH - Back-Very High (80-90)	15.4	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
<b>Total</b>	<b>26894.0</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B4-U0-G3</b>		

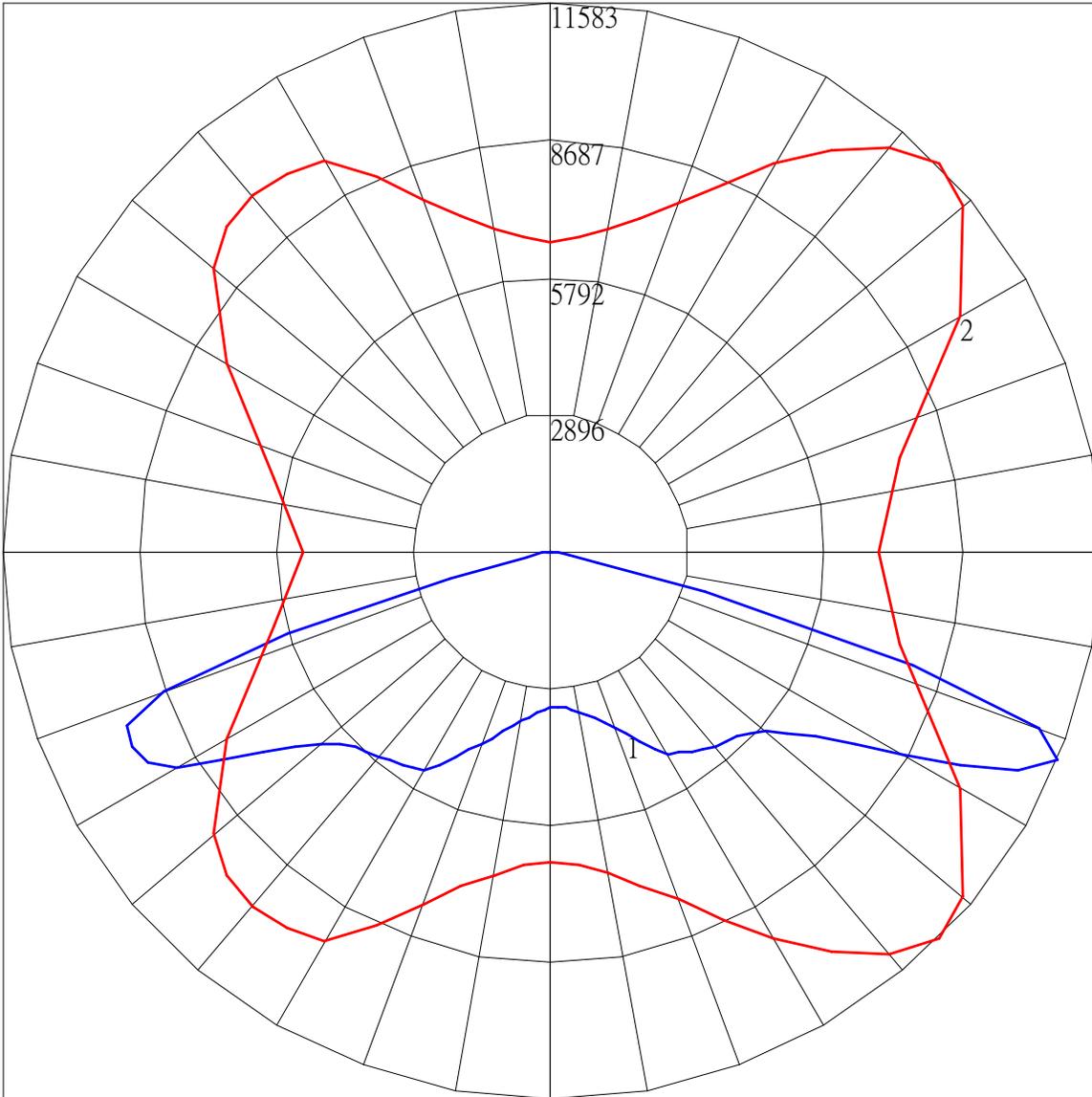
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

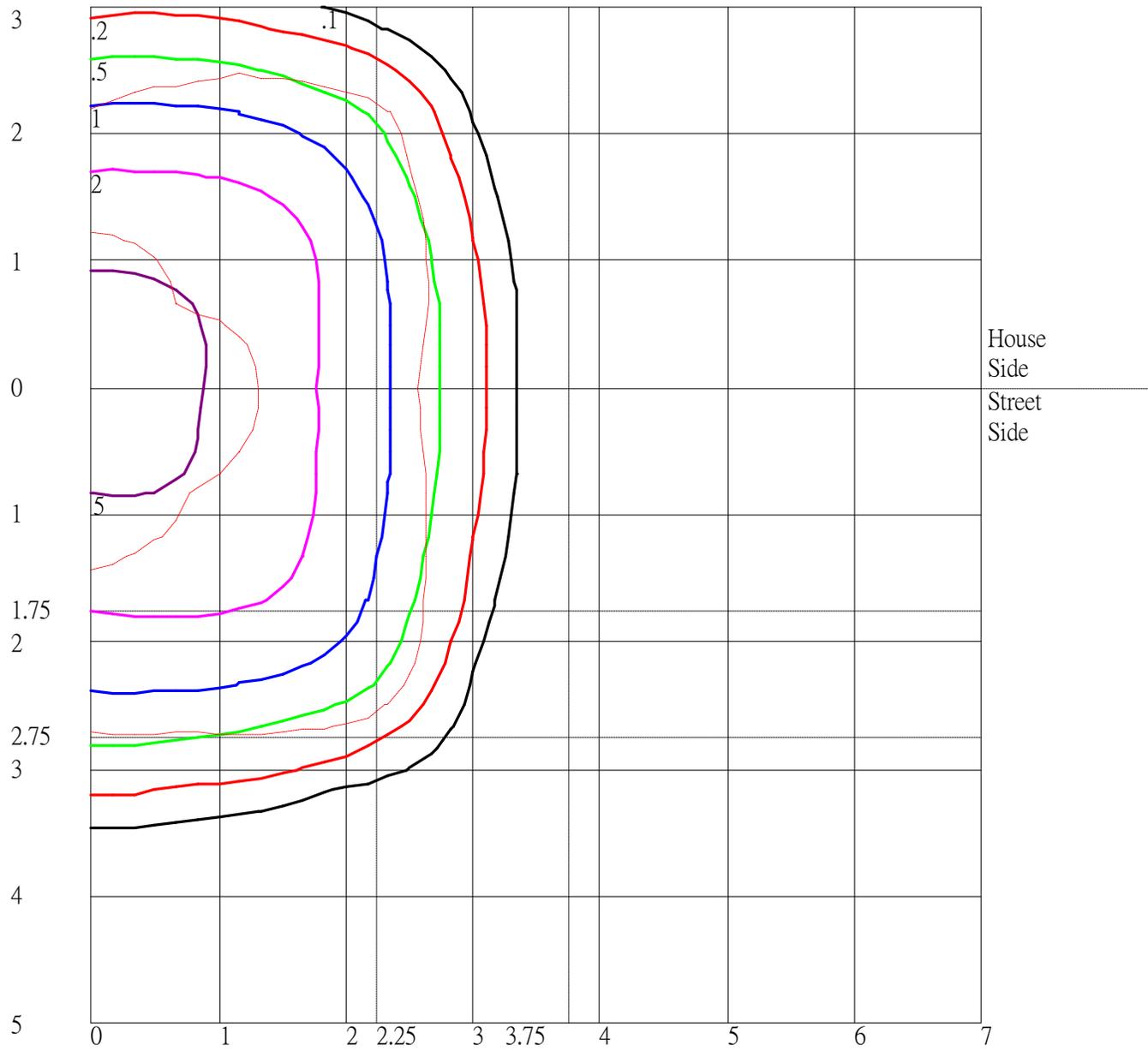
	Lumens	Percent Of Luminaire
Downward Street Side	13603.8	50.6
Downward House Side	13290.1	49.4
Downward Total	26893.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>26893.9</b>	<b>100.0</b>

POLAR GRAPH



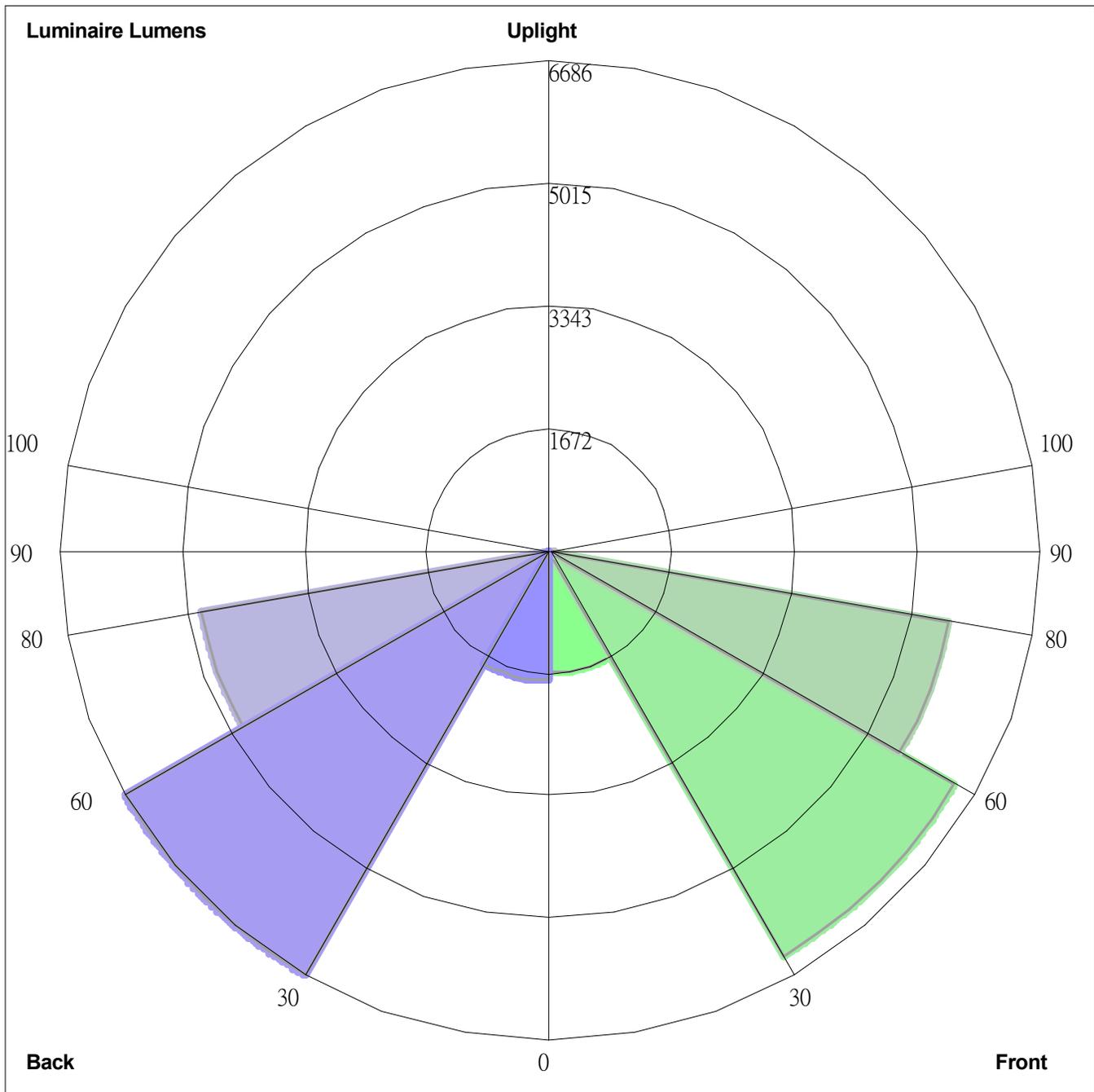
Maximum Candela = 11583.255 Located At Horizontal Angle = 315, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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= 1665.0, Medium=6378.7, High=5516.3, Very High=43.8  
 Back: Low= 1772.0, Medium=6686.2, High=4816.6, Very High=15.4  
 Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G3