



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-2R-XX-285 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-2R-XX-325  
 [ISSUE DATE] 12/17/2022  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCL3-80J-MV-27K-2R-XX-285

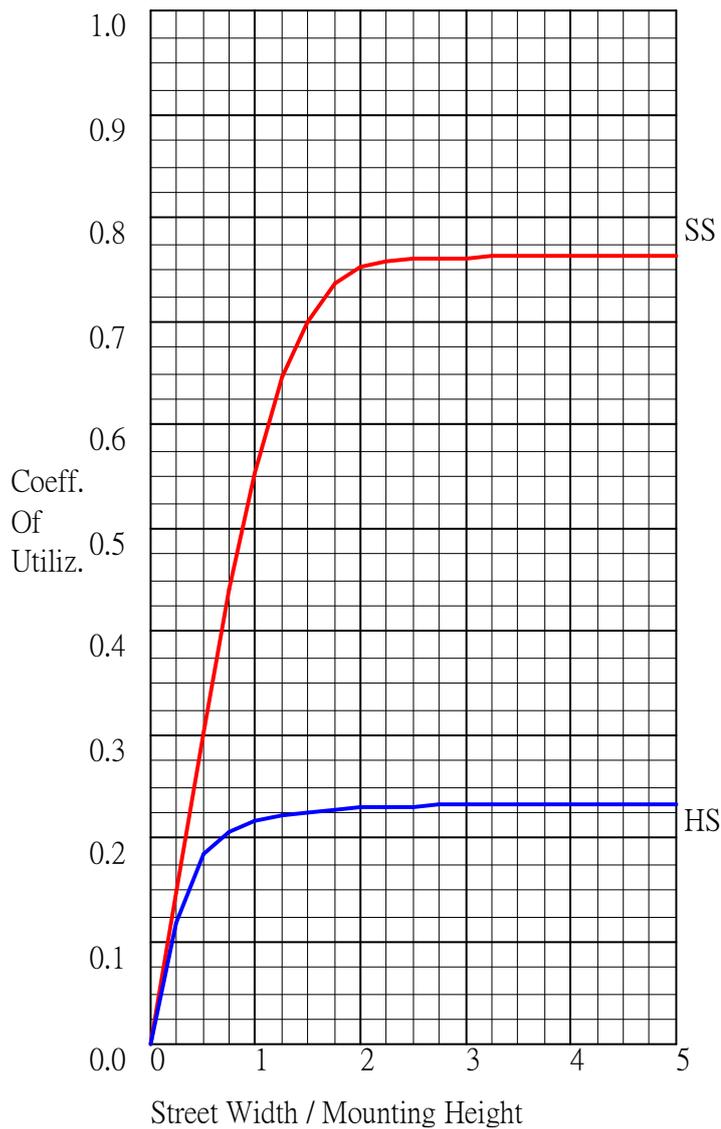
**CHARACTERISTICS**

IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28456
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	230
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21488.165
Maximum Candela Angle	280H 72.5V
Maximum Candela (<90 Degrees Vertical)	21488.165
Maximum Candela Angle (<90 Degrees Vertical)	280H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4397.999 (15.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3151.2	N.A.	11.1
FM - Front-Medium (30-60)	11786.1	N.A.	41.4
FH - Front-High (60-80)	6711.1	N.A.	23.6
FVH - Front-Very High (80-90)	145.1	N.A.	0.5
BL - Back-Low (0-30)	2010.7	N.A.	7.1
BM - Back-Medium (30-60)	3106.0	N.A.	10.9
BH - Back-High (60-80)	1503.6	N.A.	5.3
BVH - Back-Very High (80-90)	42.3	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>28456.1</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B3-U0-G3		

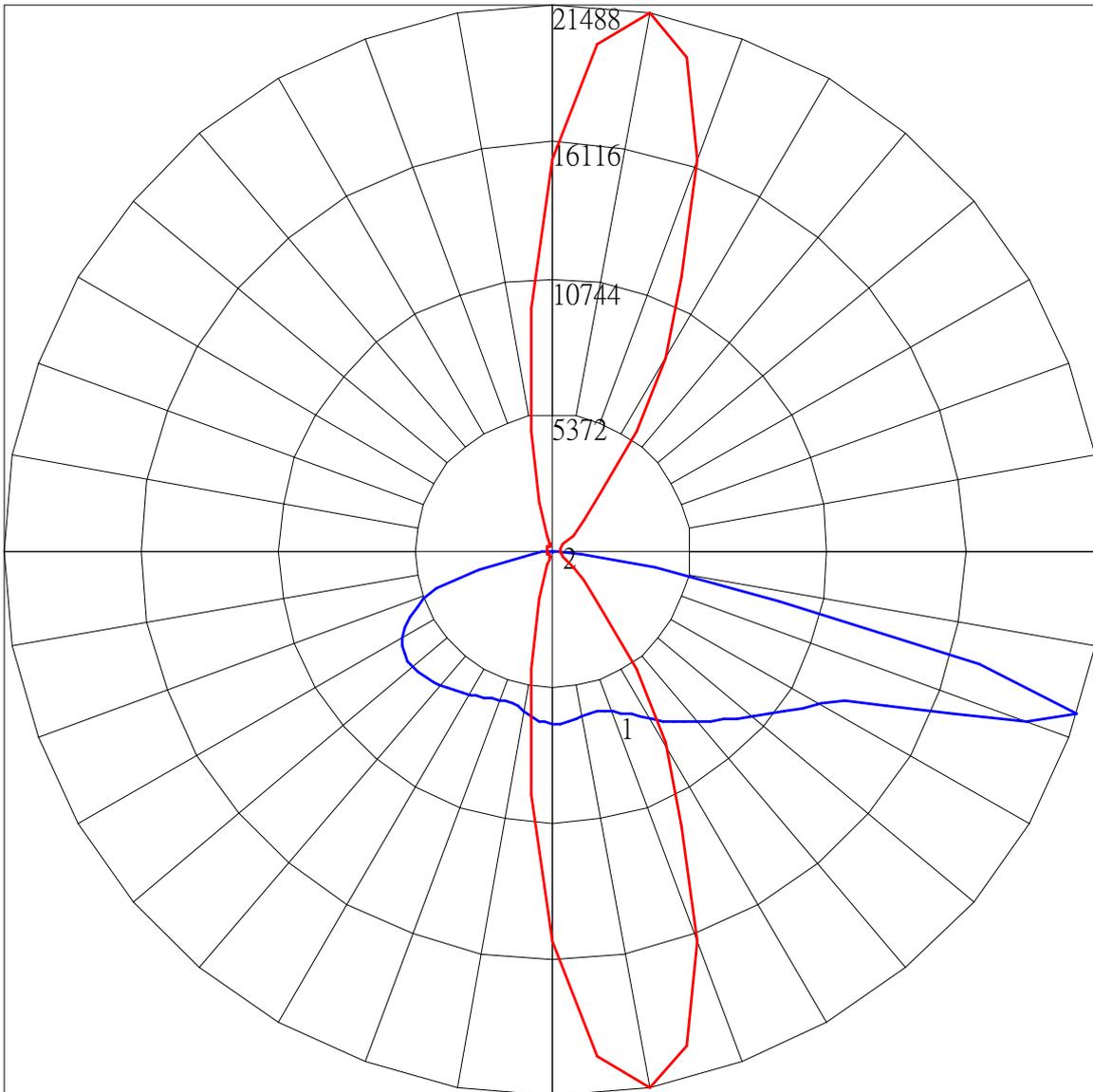
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

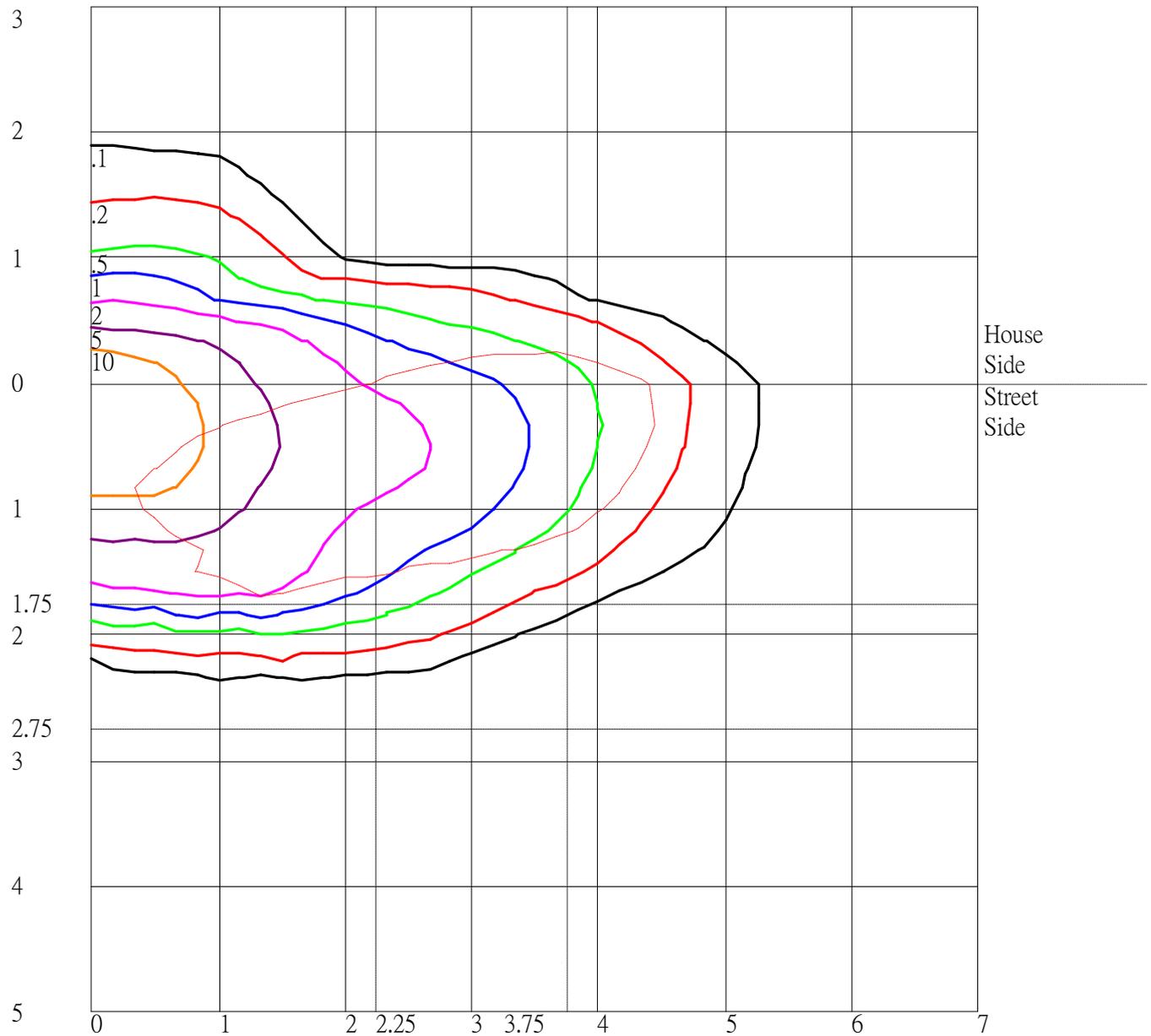
	Lumens	Percent Of Luminaire
Downward Street Side	21793.5	76.6
Downward House Side	6662.7	23.4
Downward Total	28456.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28456.2	100.0

POLAR GRAPH



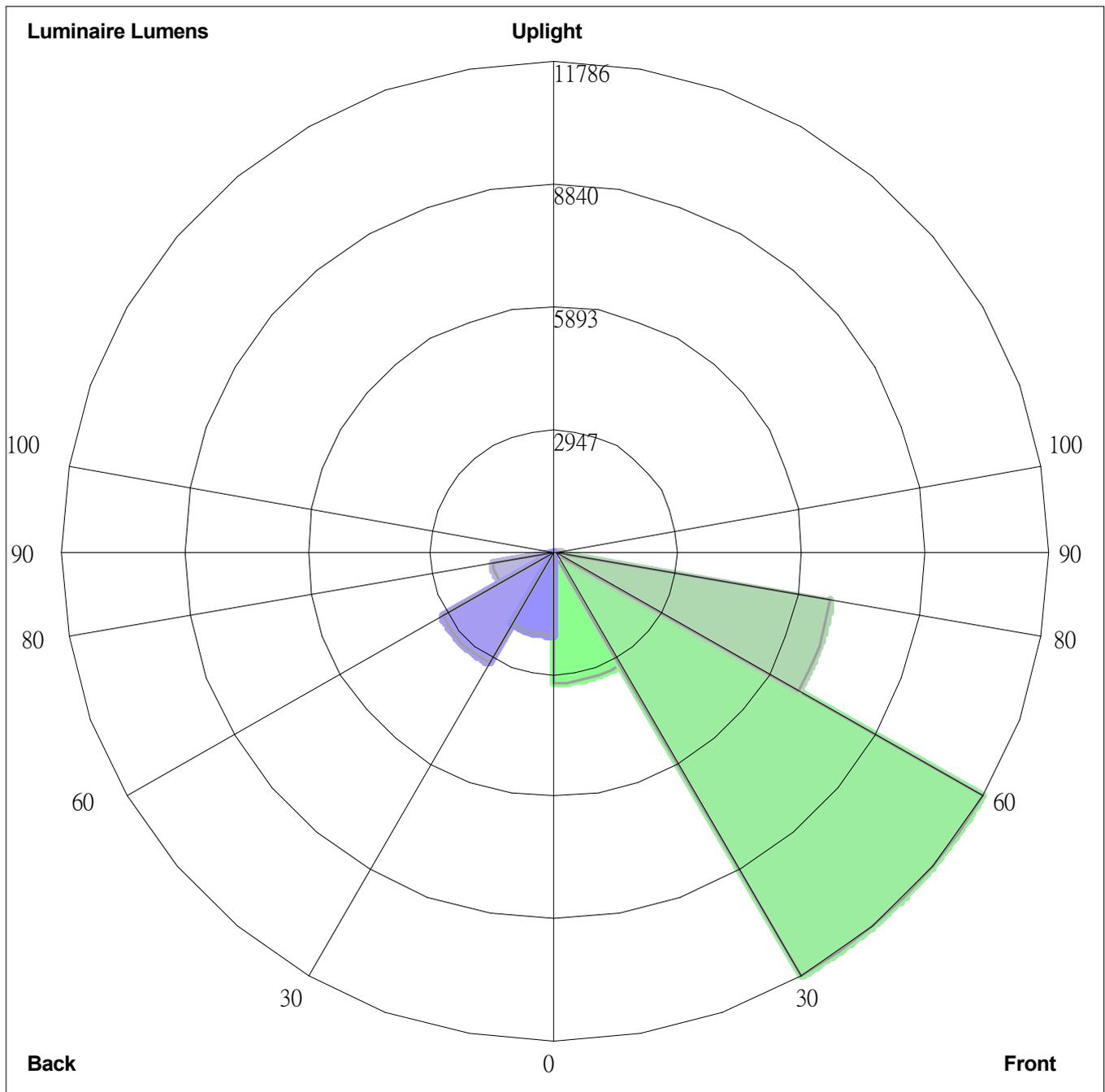
Maximum Candela = 21488.165 Located At Horizontal Angle = 280, Vertical Angle = 72.5  
# 1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

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=3151.2, Medium=11786.1, High=6711.1, Very High=145.1  
Back: Low=2010.7, Medium= 3106.0, High=1503.6, Very High=42.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3