



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM3-60J-MV-27K-4-XX-170 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCM3-60J-MV-30K-4-XX-180  
 [ISSUEDATE] 7/3/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCM3-60J-MV-27K-4-XX-170

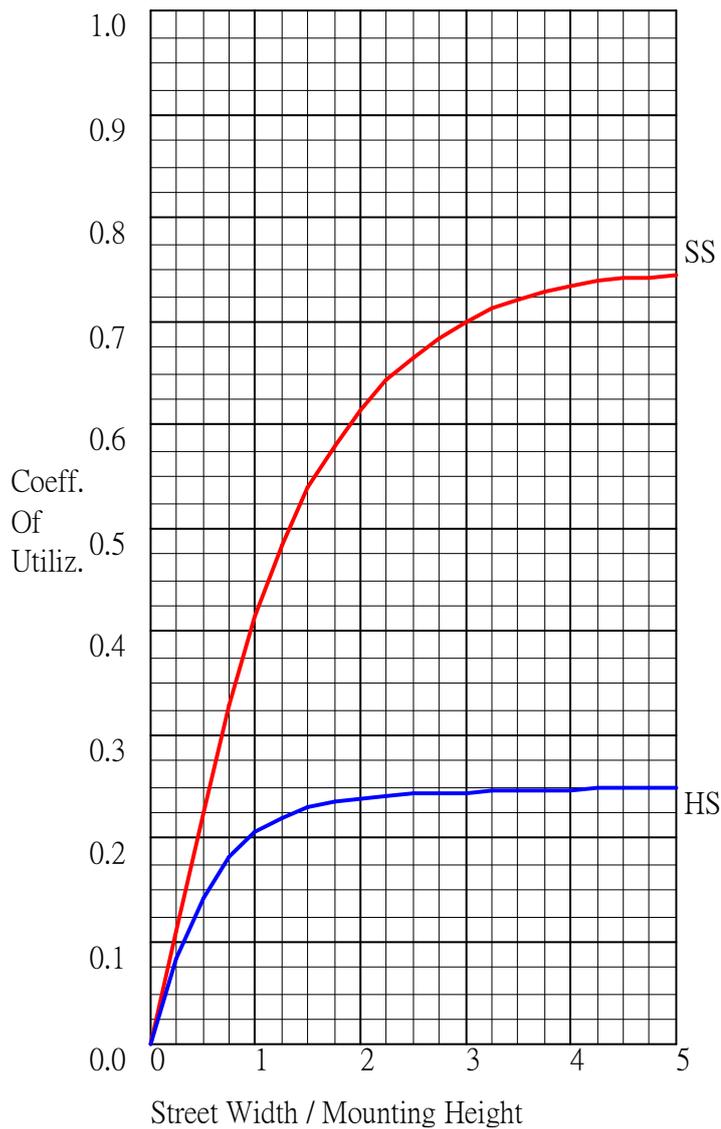
**CHARACTERISTICS**

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16772
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	123
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6679.229
Maximum Candela Angle	50H 65.5V
Maximum Candela (<90 Degrees Vertical)	6679.229
Maximum Candela At 90 Degrees Vertical)	50H 65.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2926.031 (17.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1689.3	N.A.	10.1
FM - Front-Medium (30-60)	5647.2	N.A.	33.7
FH - Front-High (60-80)	5039.5	N.A.	30.0
FVH - Front-Very High (80-90)	185.1	N.A.	1.1
BL - Back-Low (0-30)	1137.0	N.A.	6.8
BM - Back-Medium (30-60)	2139.2	N.A.	12.8
BH - Back-High (60-80)	892.1	N.A.	5.3
BVH - Back-Very High (80-90)	42.3	N.A.	0.3
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>16771.7</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B3-U0-G3		

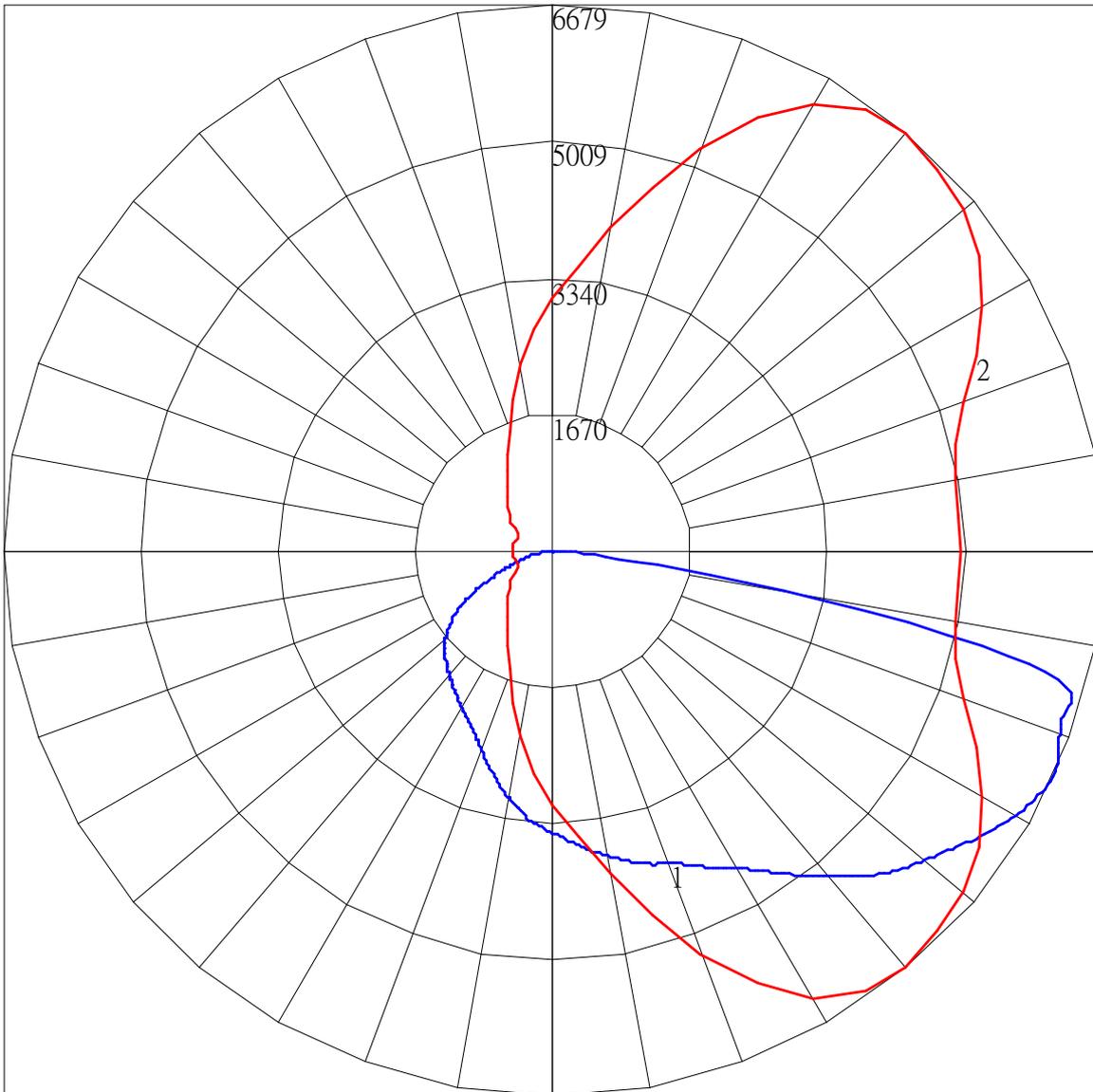
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

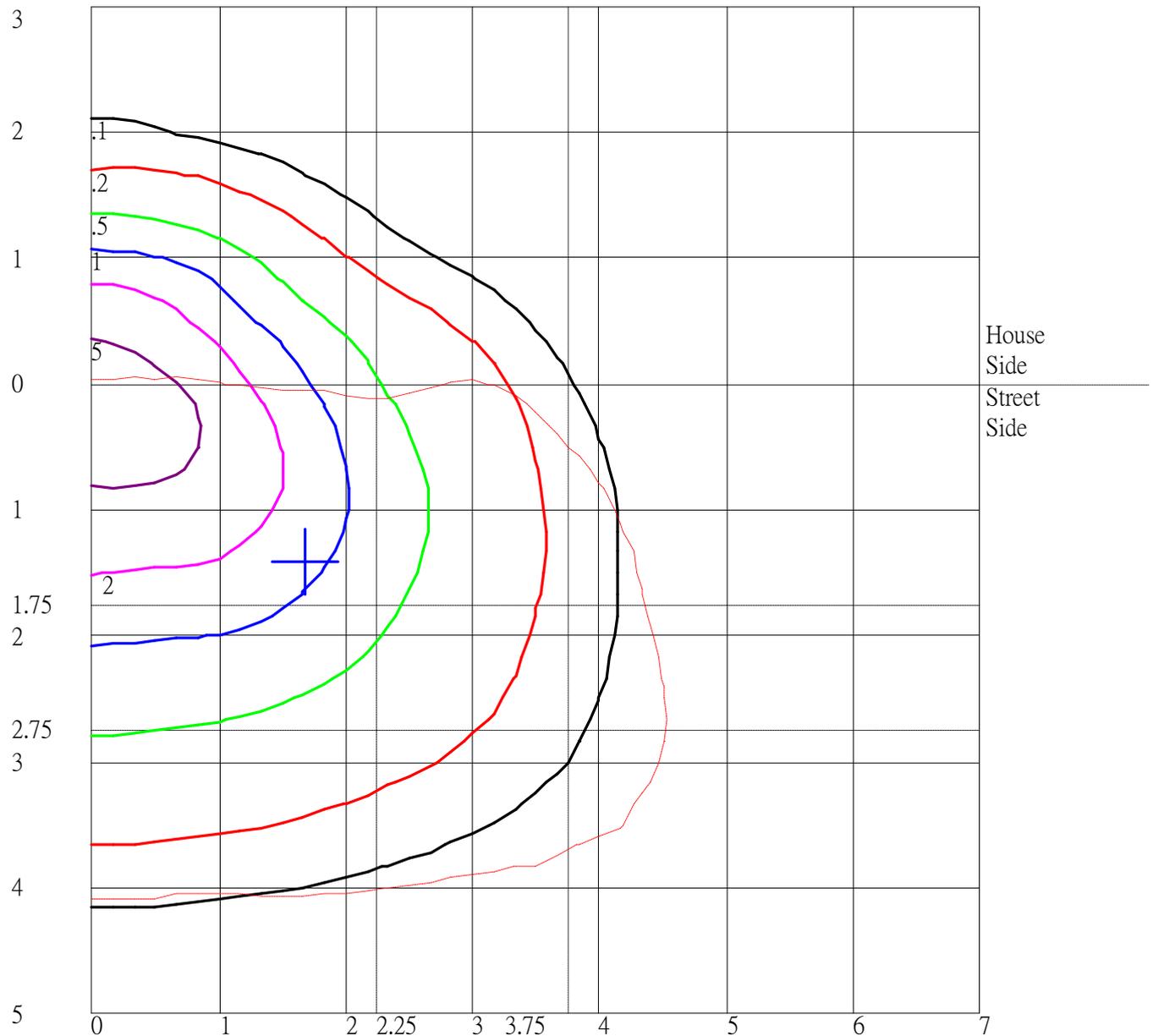
	Lumens	Percent Of Luminaire
Downward Street Side	12561.1	74.9
Downward House Side	4210.7	25.1
Downward Total	16771.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	16771.8	100.0

POLAR GRAPH



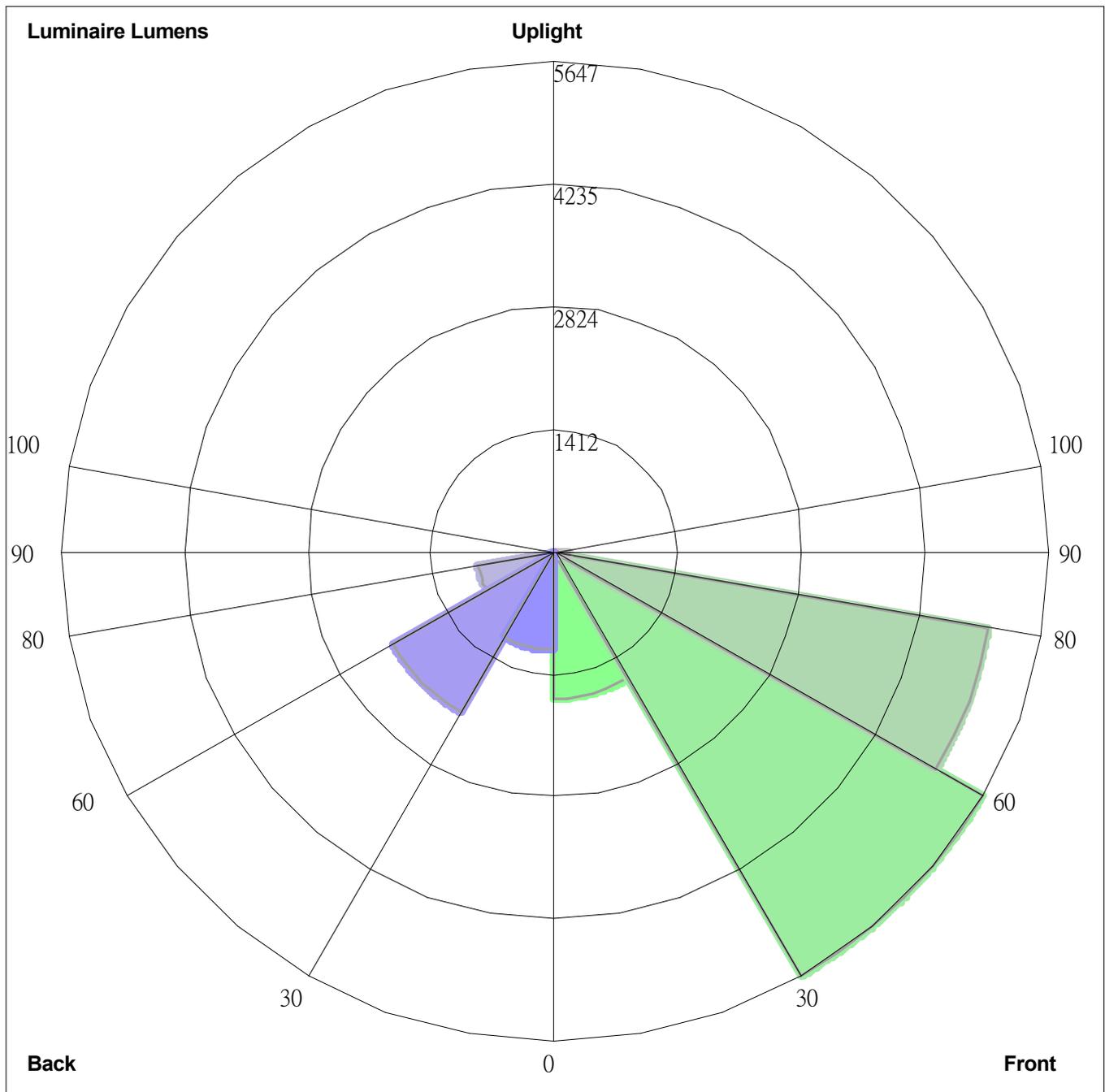
Maximum Candela = 6679.229 Located At Horizontal Angle = 50, Vertical Angle = 65.5  
# 1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65.5) (Through Max. Cd.)

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=1689.3, Medium=5647.2, High=5039.5, Very High=185.1  
Back: Low= 1137.0, Medium=2139.2, High=892.1, Very High=42.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3