



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM1-60J-MV-27K-3F-XX-090 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] Scaled from NVLAP LM-79 for GCM1-60J-MV-30K-3F-XX-090  
 [ISSUEDATE] 7/3/2019  
 [MANUFAC] Leotek Electronics USA LLC  
 [LUMCAT] GCM1-60J-MV-27K-3F-XX-090

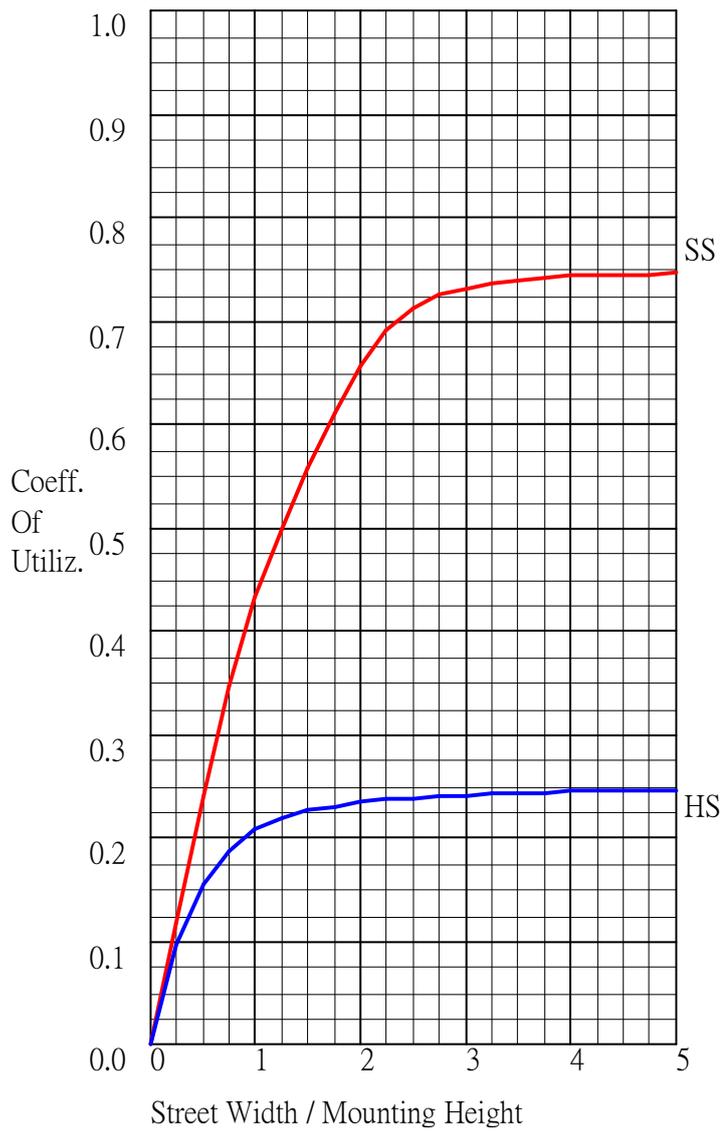
**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9454
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	59
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5074.146
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	5074.146
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	657.36 (7.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	967.0	N.A.	10.2
FM - Front-Medium (30-60)	3287.3	N.A.	34.8
FH - Front-High (60-80)	2778.8	N.A.	29.4
FVH - Front-Very High (80-90)	66.8	N.A.	0.7
BL - Back-Low (0-30)	636.8	N.A.	6.7
BM - Back-Medium (30-60)	1110.0	N.A.	11.7
BH - Back-High (60-80)	573.9	N.A.	6.1
BVH - Back-Very High (80-90)	33.1	N.A.	0.4
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>9453.7</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B2-U0-G2		

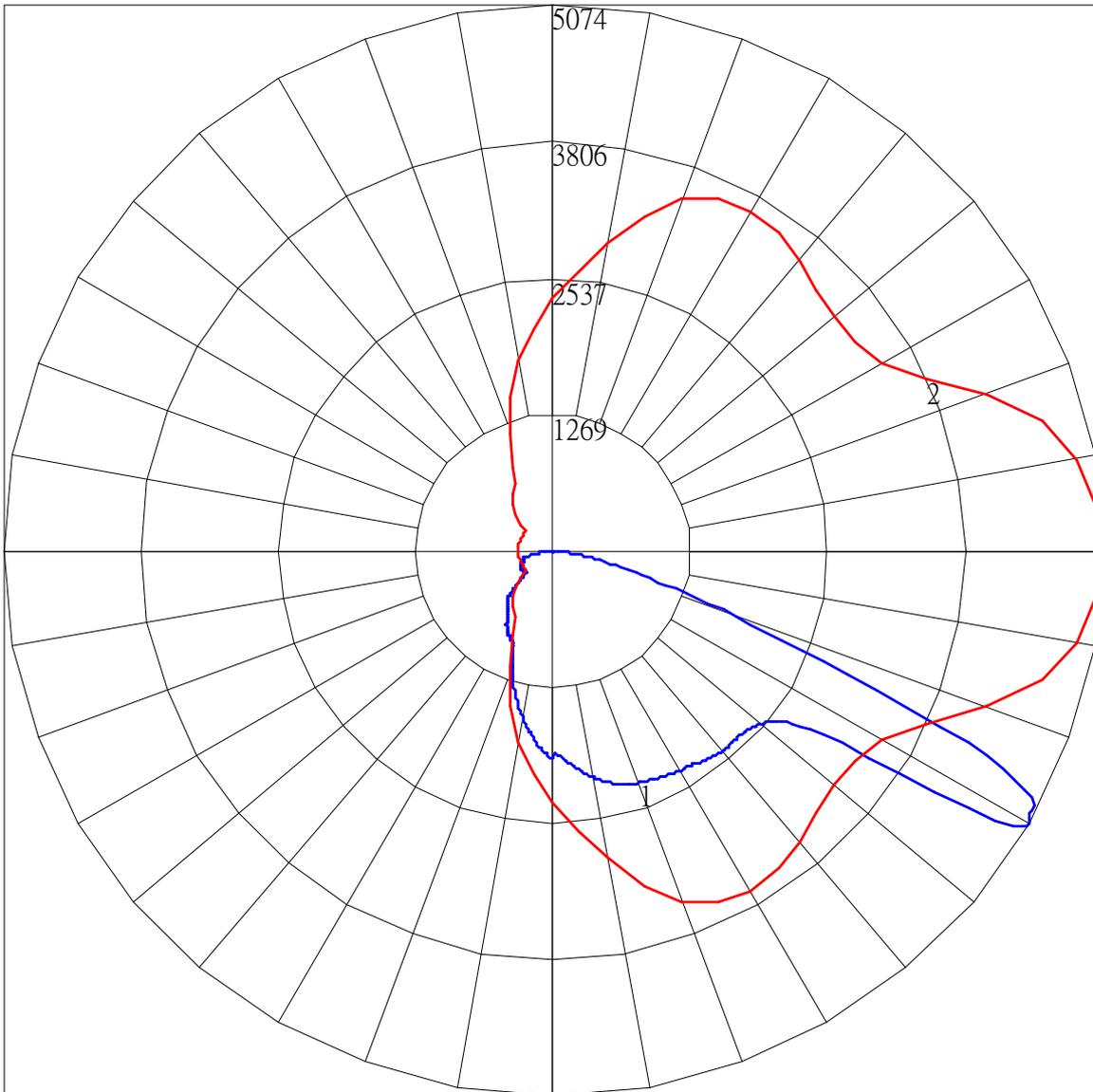
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

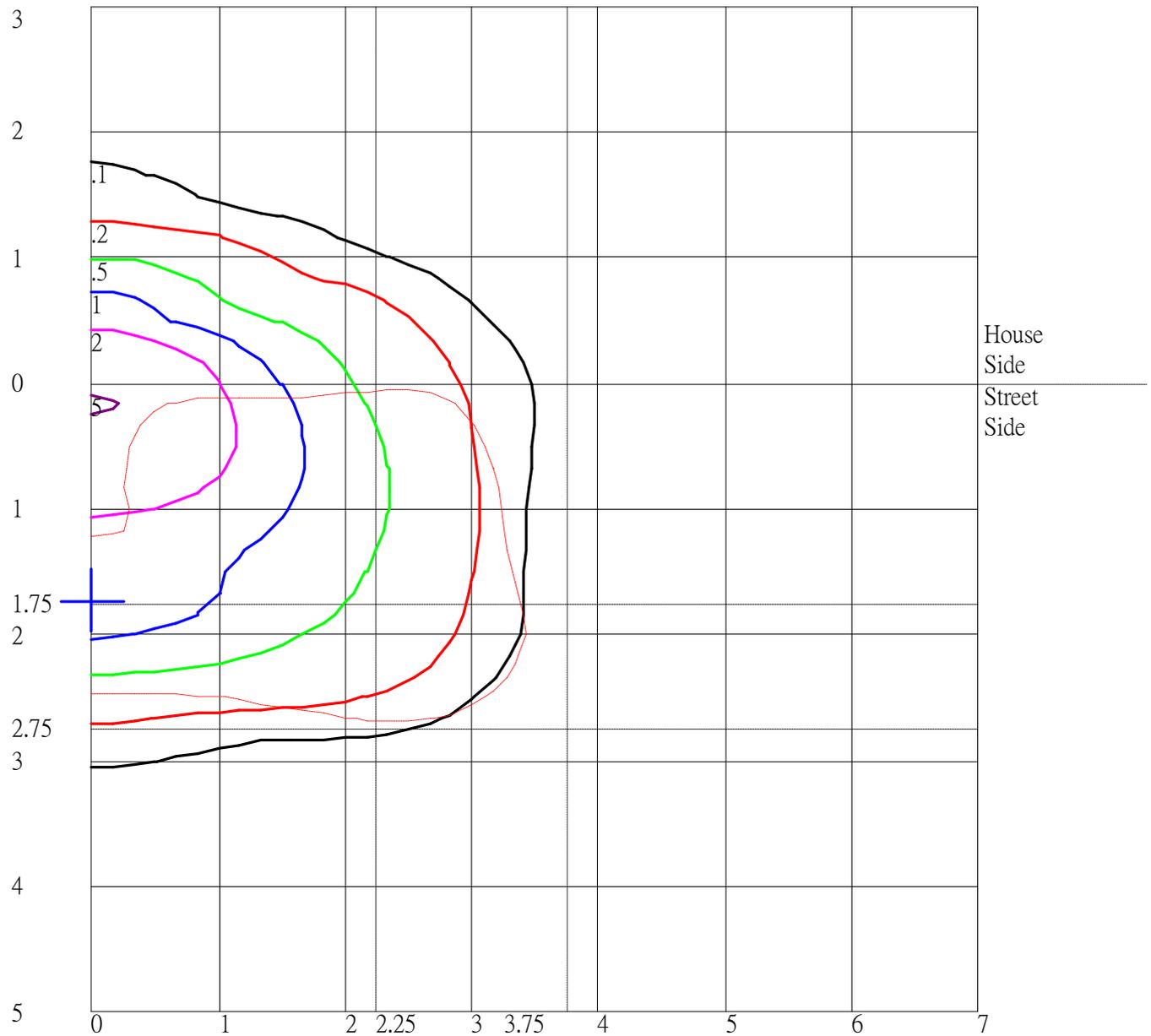
	Lumens	Percent Of Luminaire
Downward Street Side	7099.9	75.1
Downward House Side	2353.7	24.9
Downward Total	9453.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9453.6	100.0

POLAR GRAPH



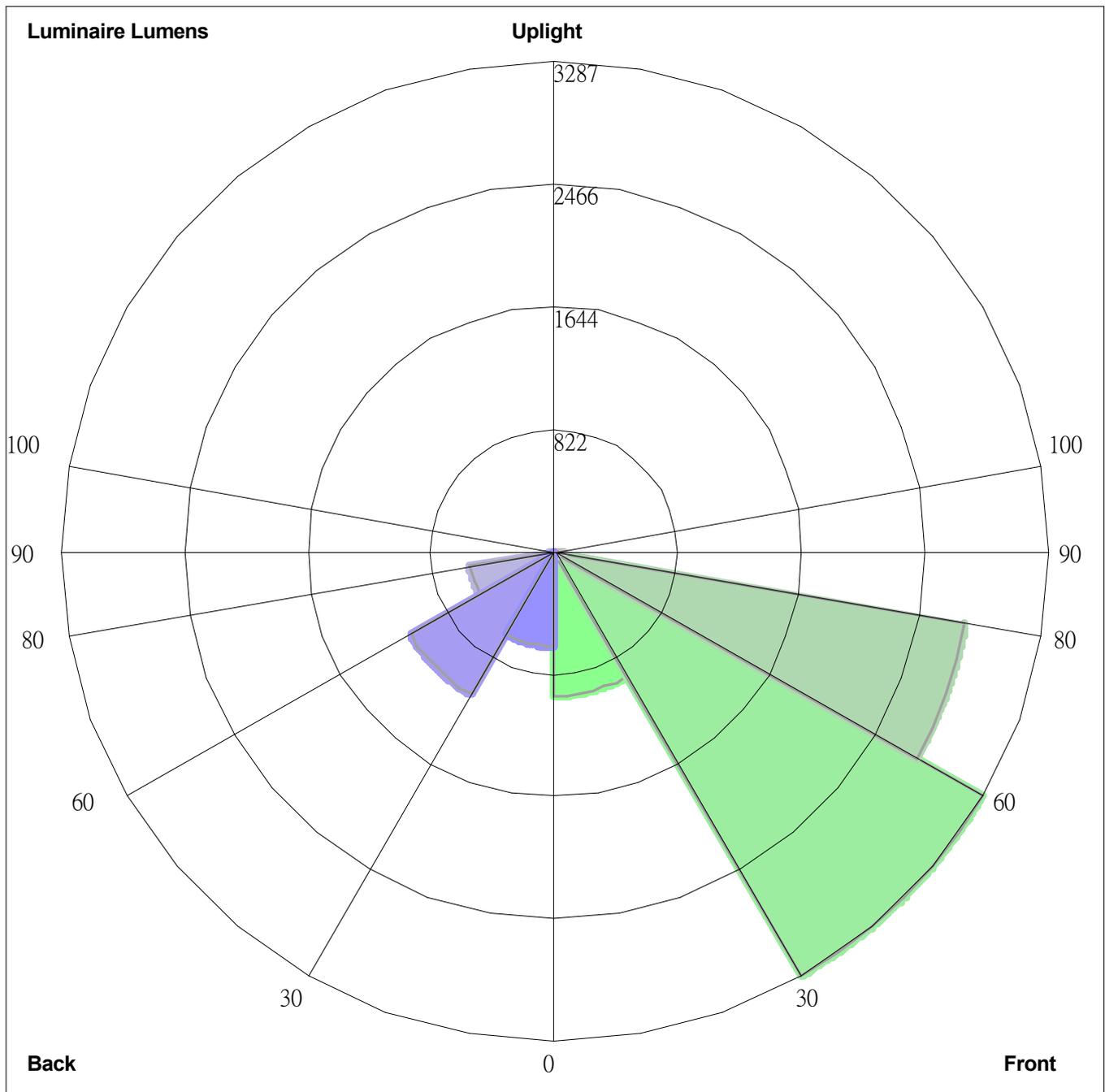
Maximum Candela = 5074.146 Located At Horizontal Angle = 0, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

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=967.0, Medium=3287.3, High=2778.8, Very High=66.8  
Back: Low=636.8, Medium= 1110.0, High=573.9, Very High=33.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2