



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM2-60J-MV-27K-3F-XX-145 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCM3-60J-MV-30K-3F-XX-180  
[ISSUEDATE] 7/3/2019  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCM2-60J-MV-27K-3F-XX-145

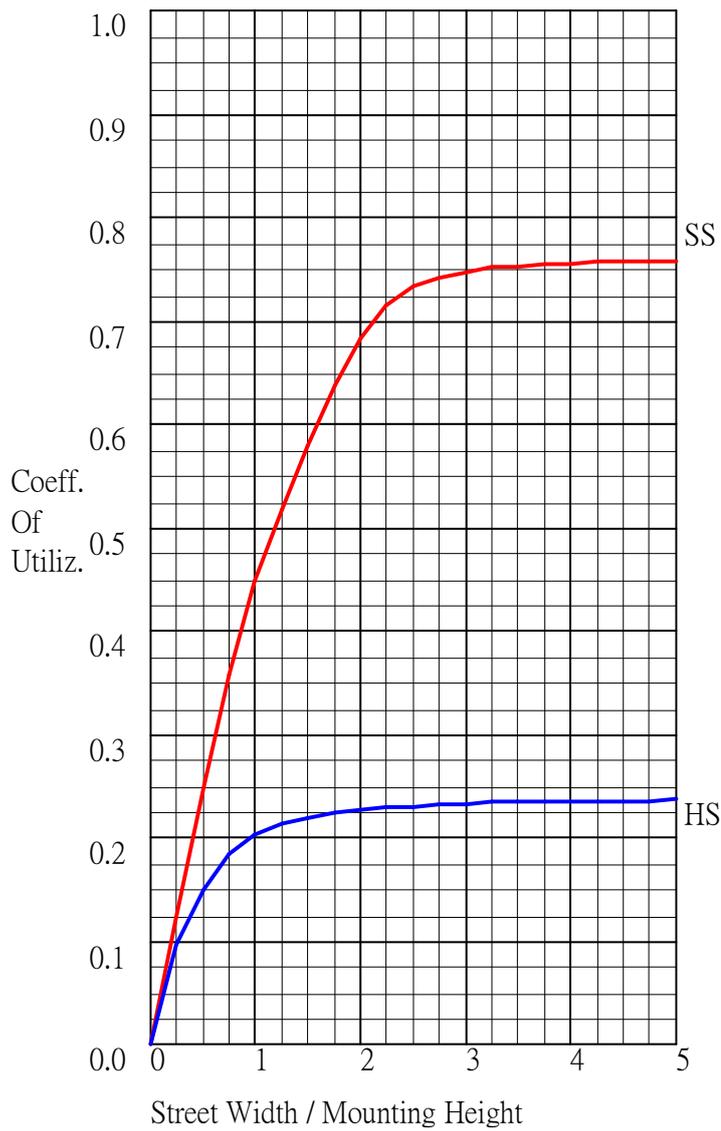
**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14243
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	100
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8013.339
Maximum Candela Angle	0H 59V
Maximum Candela (<90 Degrees Vertical)	8013.339
Maximum Candela At 90 Degrees Vertical)	0H 59V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	595.792 (4.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1521.9	N.A.	10.7
FM - Front-Medium (30-60)	5252.6	N.A.	36.9
FH - Front-High (60-80)	4014.8	N.A.	28.2
FVH - Front-Very High (80-90)	60.5	N.A.	0.4
BL - Back-Low (0-30)	950.1	N.A.	6.7
BM - Back-Medium (30-60)	1637.7	N.A.	11.5
BH - Back-High (60-80)	780.4	N.A.	5.5
BVH - Back-Very High (80-90)	25.3	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>14243.3</b>	<b>N.A.</b>	<b>100.0</b>
BUG Rating	B2-U0-G2		

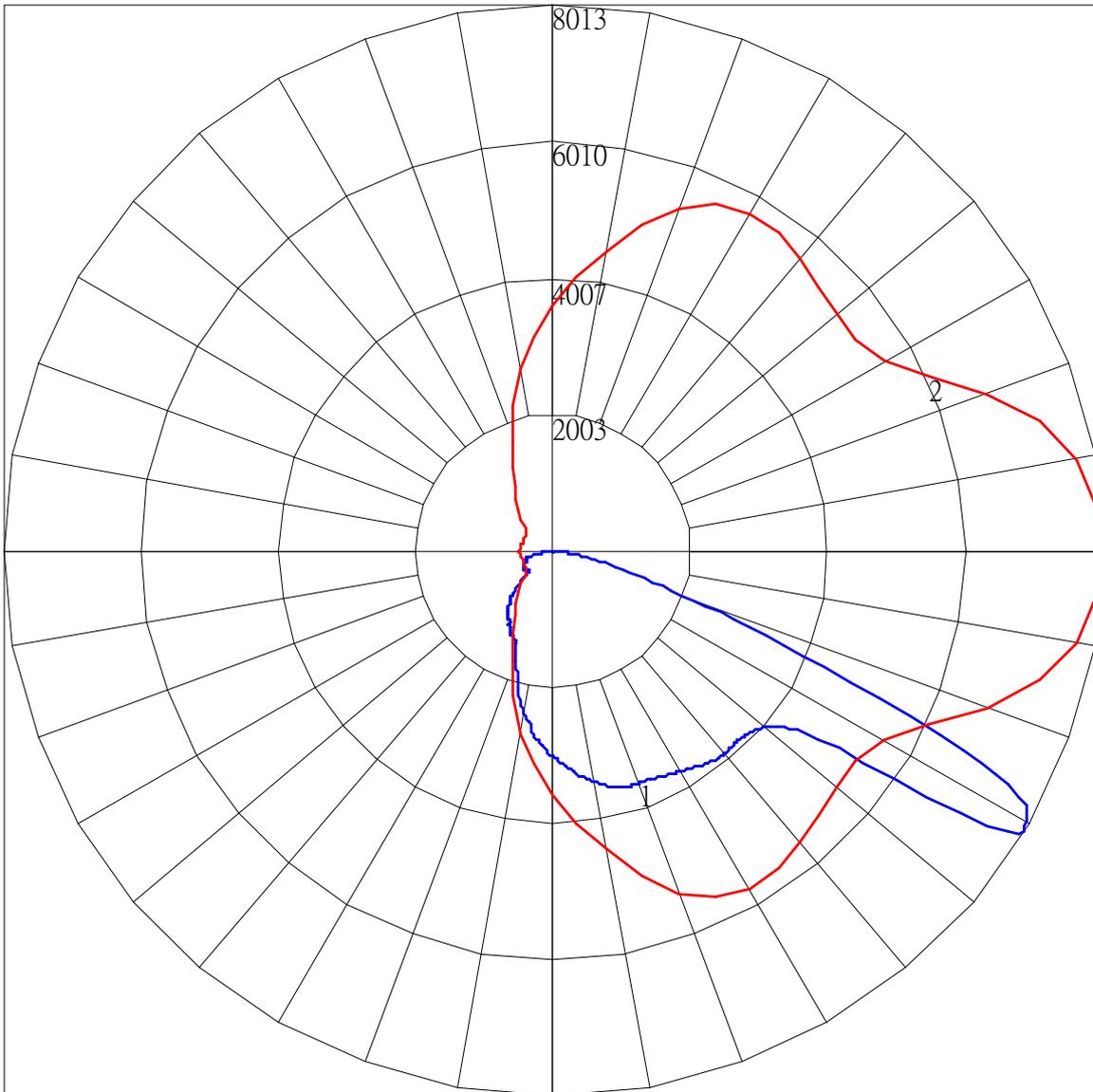
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

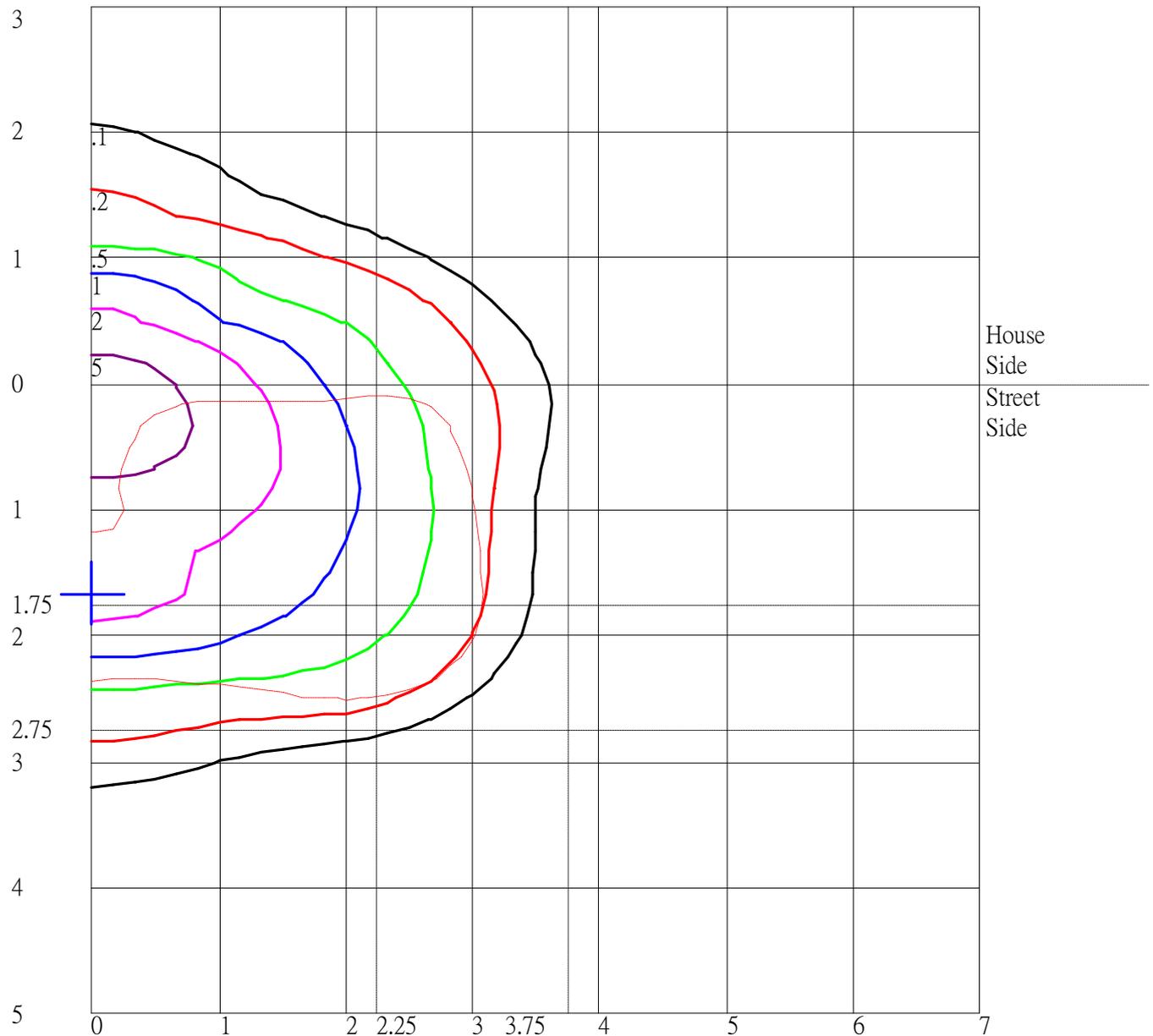
	Lumens	Percent Of Luminaire
Downward Street Side	10849.9	76.2
Downward House Side	3393.5	23.8
Downward Total	14243.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>14243.4</b>	<b>100.0</b>

POLAR GRAPH



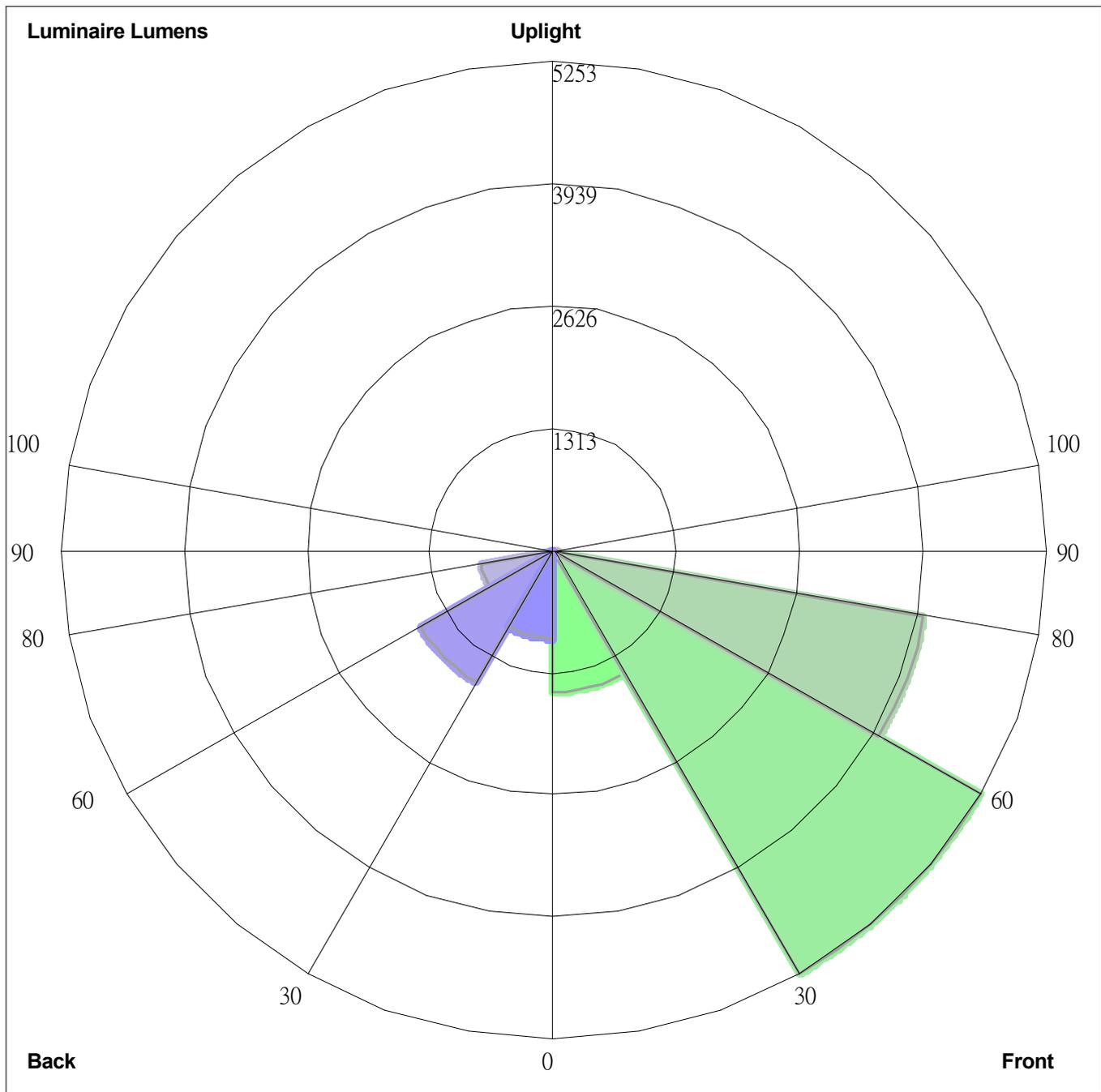
Maximum Candela = 8013.339 Located At Horizontal Angle = 0, Vertical Angle = 59  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (59) (Through Max. Cd.)

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=1521.9, Medium=5252.6, High=4014.8, Very High=60.5  
 Back: Low=950.1, Medium=1637.7, High=780.4, Very High=25.3  
 Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2