



**IES ROAD REPORT**

**PHOTOMETRIC FILENAME : GCM3-60J-MV-27K-3R-XX-170 S.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] Scaled from NVLAP LM-79 for GCM3-60J-MV-30K-3R-XX-180  
[ISSUEDATE] 2020-05-18  
[MANUFAC] Leotek Electronics USA LLC  
[LUMCAT] GCM3-60J-MV-27K-3R-XX-170

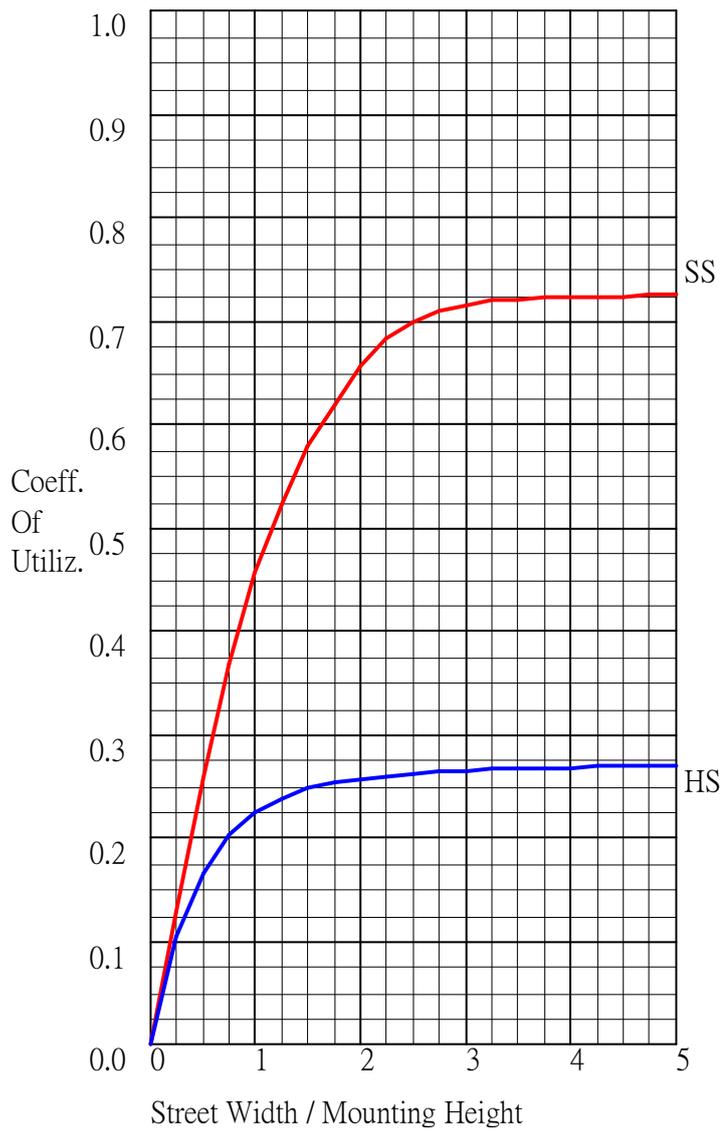
**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17139
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	123
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7513.038
Maximum Candela Angle	65H 72V
Maximum Candela (<90 Degrees Vertical)	7513.038
Maximum Candela At 90 Degrees Vertical)	65H 72V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1855.751 (10.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1865.2	N.A.	10.9
FM - Front-Medium (30-60)	6020.9	N.A.	35.1
FH - Front-High (60-80)	4468.0	N.A.	26.1
FVH - Front-Very High (80-90)	115.7	N.A.	0.7
BL - Back-Low (0-30)	1132.8	N.A.	6.6
BM - Back-Medium (30-60)	2266.3	N.A.	13.2
BH - Back-High (60-80)	1205.5	N.A.	7.0
BVH - Back-Very High (80-90)	64.2	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>17138.5</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B3-U0-G3</b>		

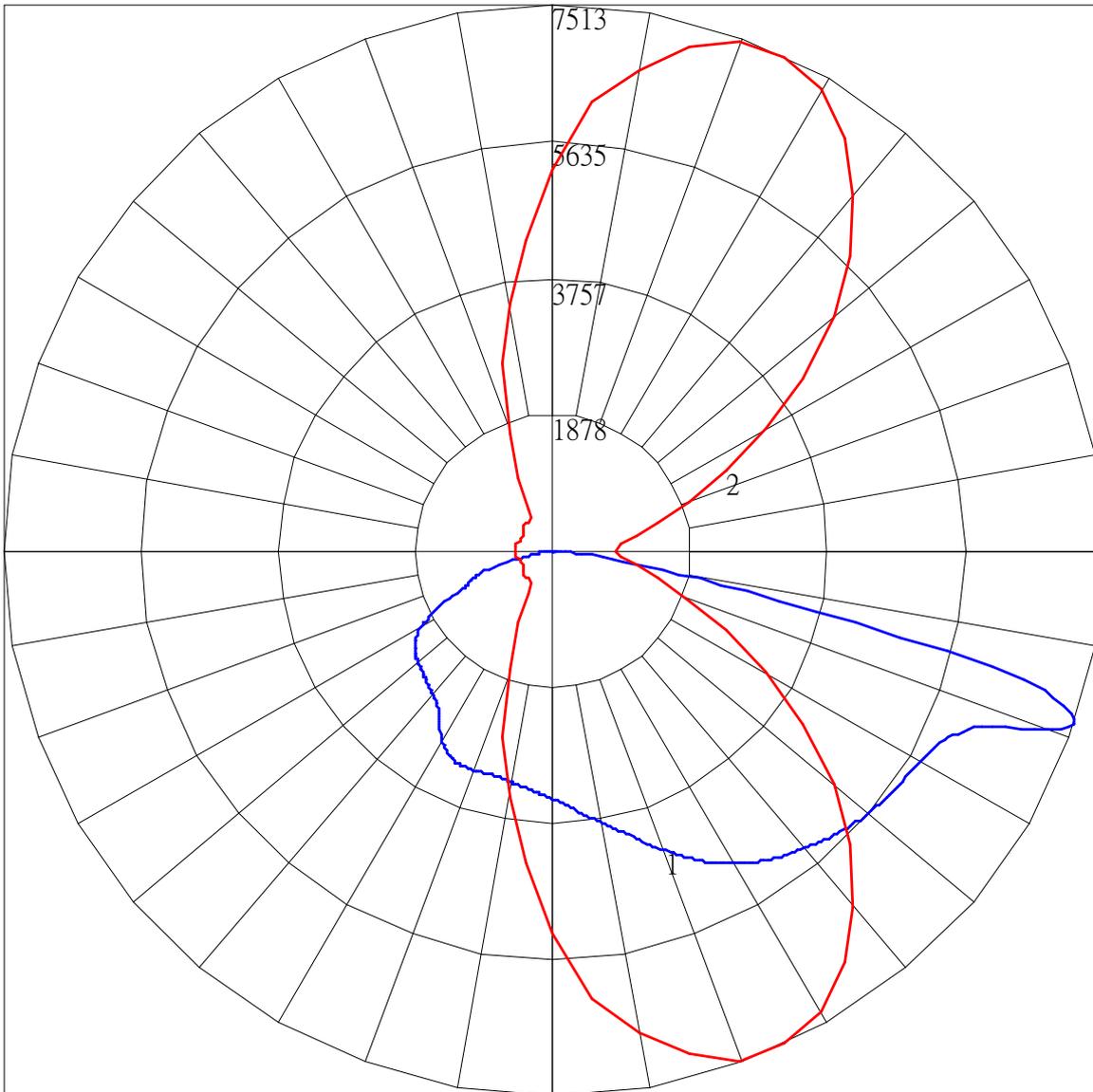
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

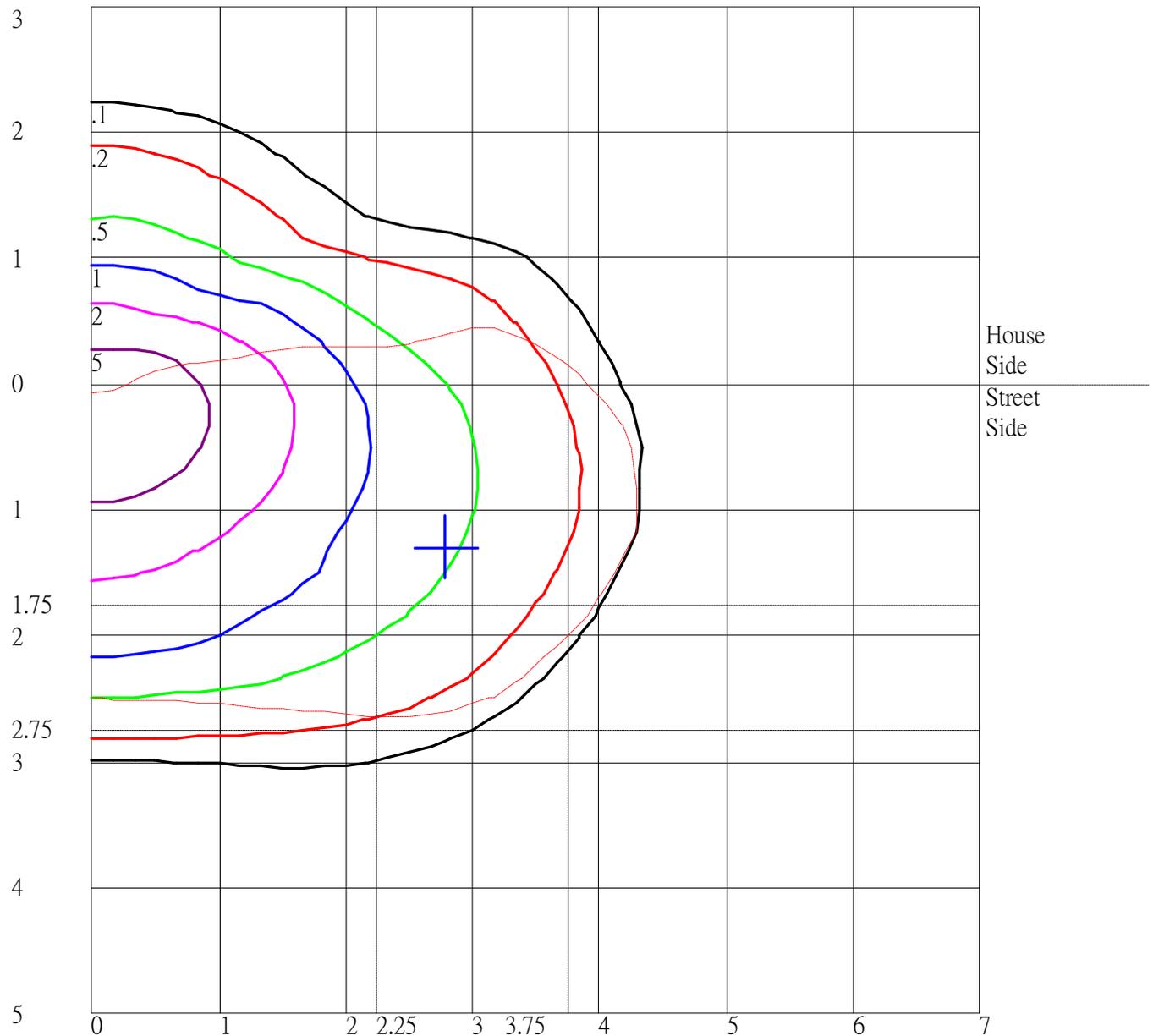
	Lumens	Percent Of Luminaire
Downward Street Side	12469.8	72.8
Downward House Side	4668.8	27.2
Downward Total	17138.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17138.7	100.0

POLAR GRAPH



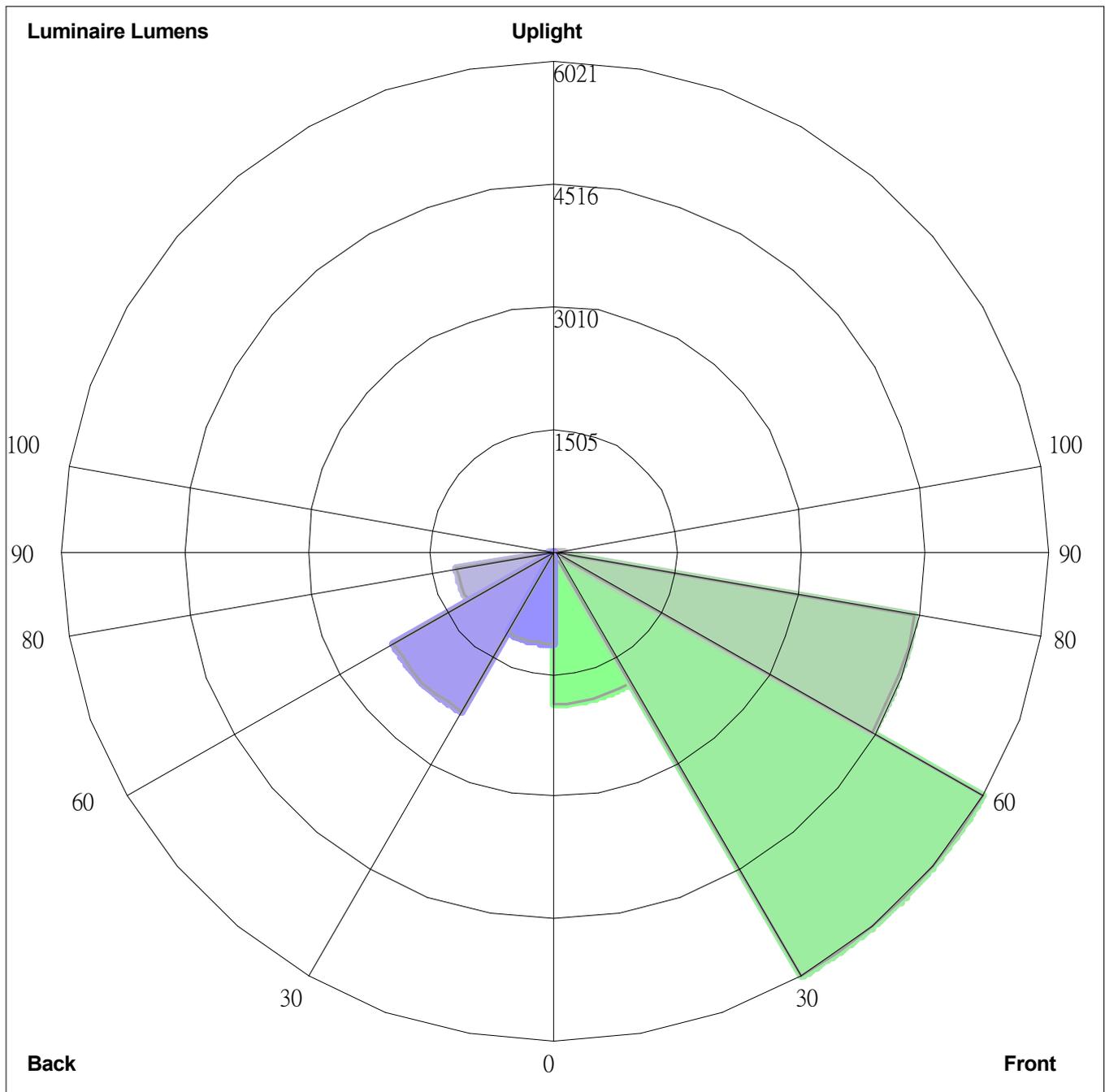
Maximum Candela = 7513.038 Located At Horizontal Angle = 65, Vertical Angle = 72  
# 1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (72) (Through Max. Cd.)

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=1865.2, Medium=6020.9, High= 4468.0, Very High=115.7  
Back: Low=1132.8, Medium=2266.3, High=1205.5, Very High=64.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3