



IES ROAD REPORT

PHOTOMETRIC FILENAME : GCL3-80J-MV-27K-4-XX-270 S.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Scaled from NVLAP LM-79 for GCL3-80J-MV-30K-4-XX-285
[ISSUE DATE] 12/16/2022
[MANUFAC] Leotek Electronics USA LLC
[LUMCAT] GCL3-80J-MV-27K-4-XX-270

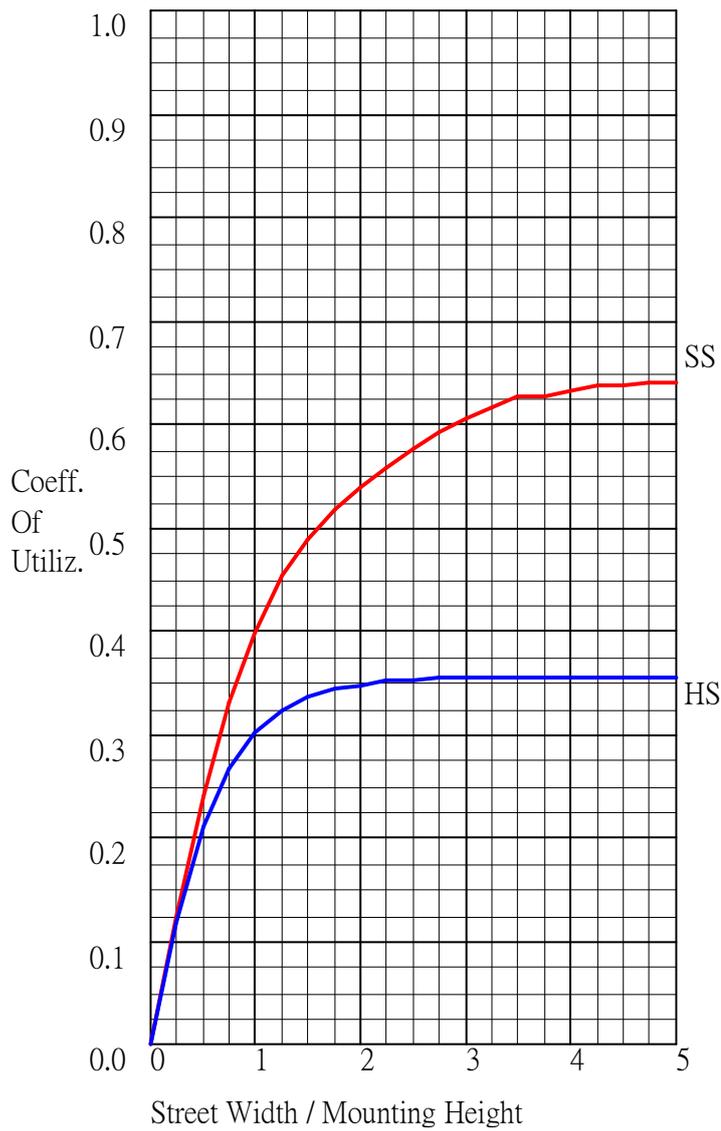
CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	27011
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	211.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15258.71
Maximum Candela Angle	280H 70V
Maximum Candela (<90 Degrees Vertical)	15258.71
Maximum Candela At 90 Degrees Vertical	280H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1355.46 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2783.9	N.A.	10.3
FM - Front-Medium (30-60)	7932.8	N.A.	29.4
FH - Front-High (60-80)	6582.4	N.A.	24.4
FVH - Front-Very High (80-90)	76.8	N.A.	0.3
BL - Back-Low (0-30)	2394.2	N.A.	8.9
BM - Back-Medium (30-60)	5602.1	N.A.	20.7
BH - Back-High (60-80)	1629.5	N.A.	6.0
BVH - Back-Very High (80-90)	9.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	27011.2	N.A.	100.0
BUG Rating	B4-U0-G3		

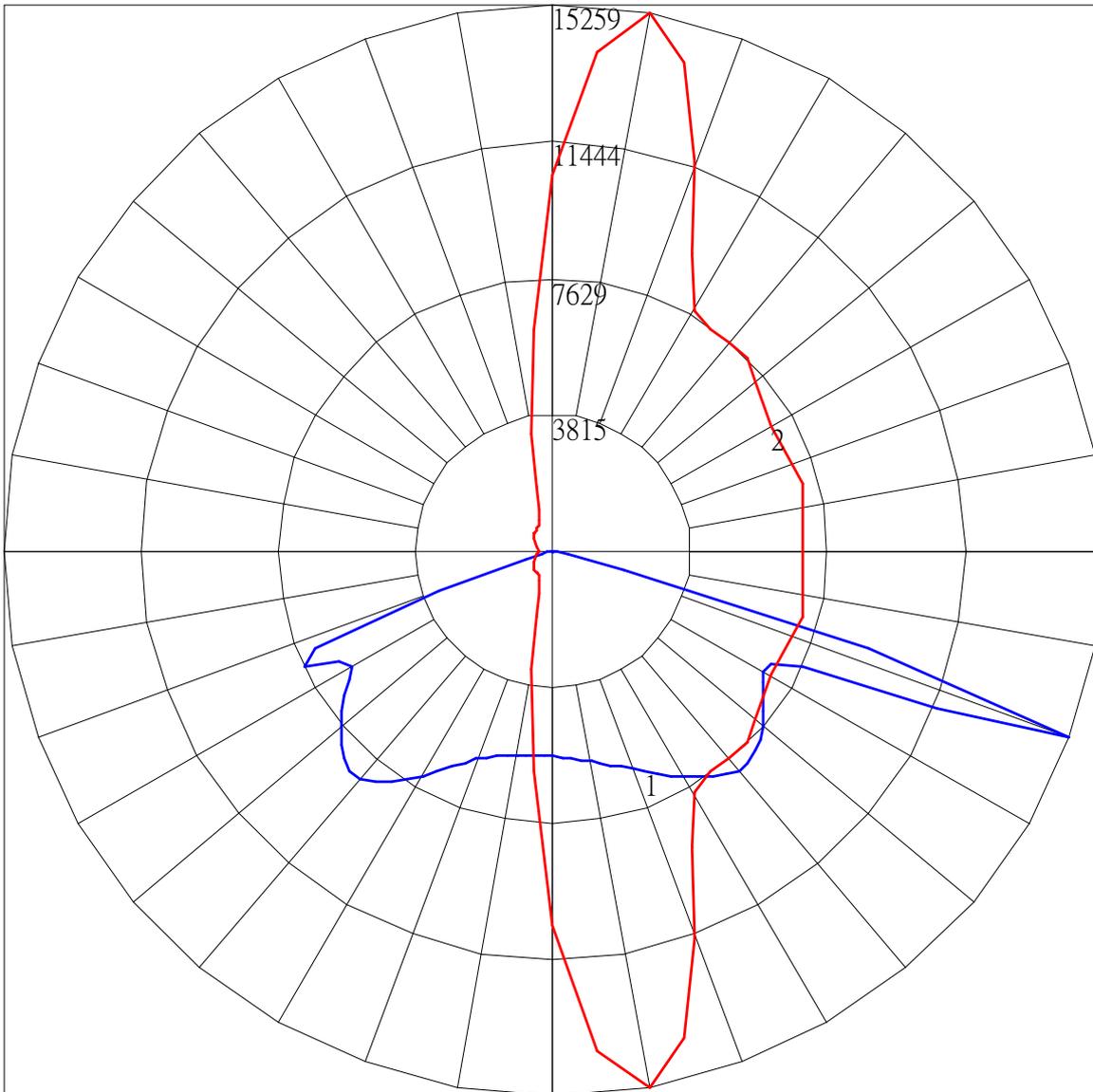
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

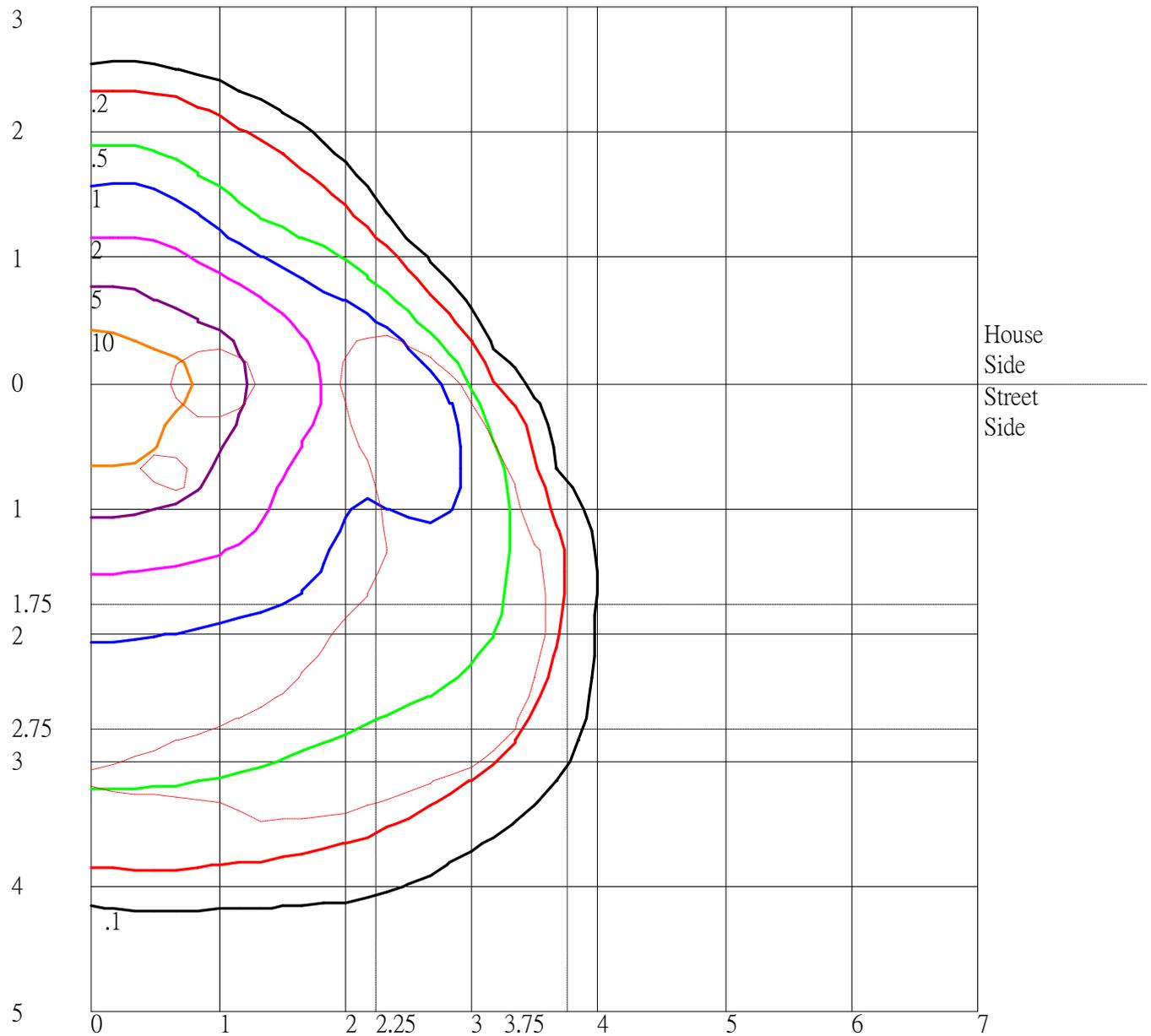
	Lumens	Percent Of Luminaire
Downward Street Side	17376.0	64.3
Downward House Side	9635.3	35.7
Downward Total	27011.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	27011.3	100.0

POLAR GRAPH



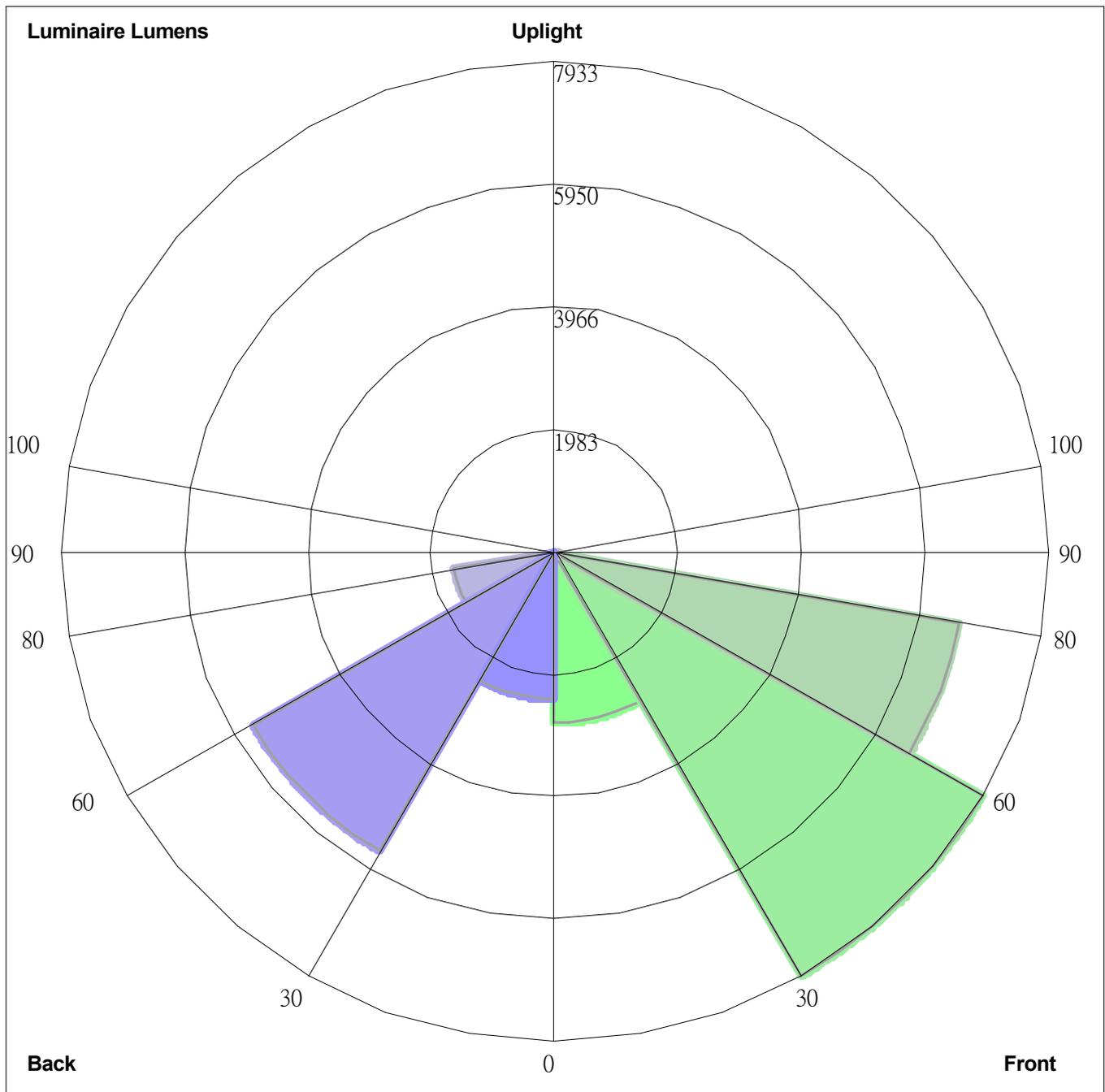
Maximum Candela = 15258.71 Located At Horizontal Angle = 280, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

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=2783.9, Medium=7932.8, High=6582.4, Very High=76.8
Back: Low=2394.2, Medium=5602.1, High=1629.5, Very High=9.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G3