



## IES ROAD REPORT

PHOTOMETRIC FILENAME : 4301-20L-40.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L032311704  
[TESTLAB] LIGHT LABORATORY, INC. ([www.lightlaboratory.com](http://www.lightlaboratory.com))  
[ISSUE DATE] 5/8/2023  
[MANUFAC] Rebelle Architectural Lighting  
[LUMCAT] 4301-20L-40  
[LUMINAIRE] Wall Mount Mini  
[BALLASTCAT] ERP ESS030W-0500-42  
[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

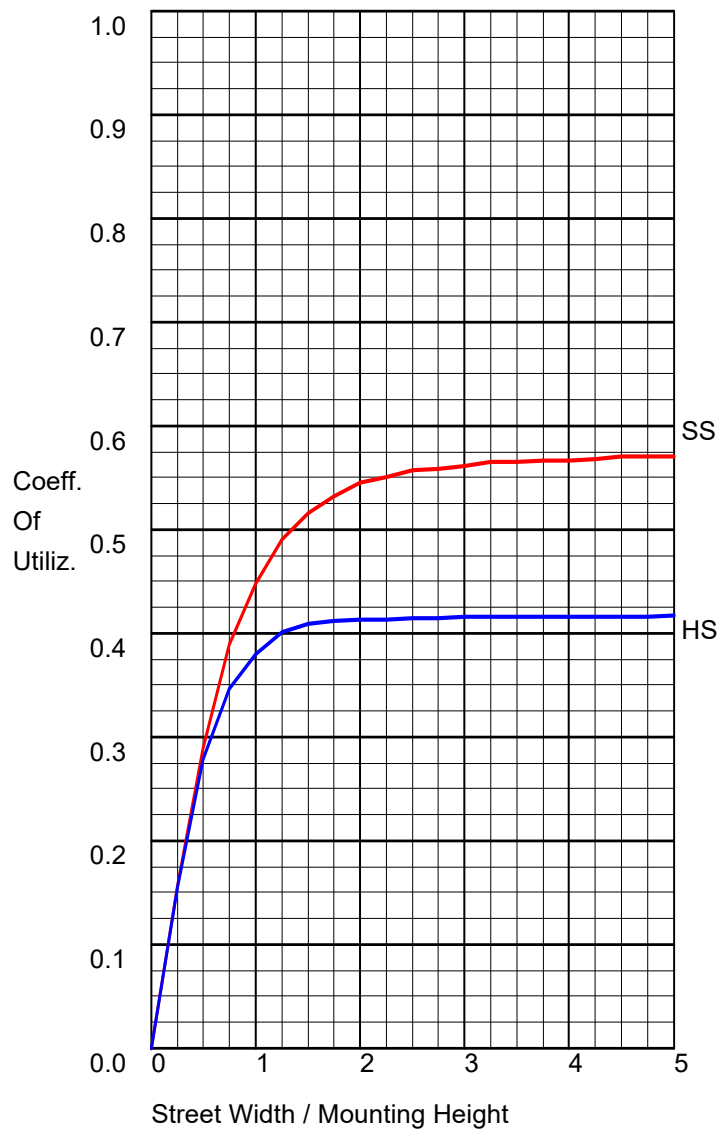
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1402
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	19.61
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	641
Maximum Candela Angle	15H 5V
Maximum Candela (<90 Degrees Vertical)	641
Maximum Candela Angle (<90 Degrees Vertical)	15H 5V
Maximum Candela At 90 Degrees Vertical	6 (0.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	39 (2.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : 4301-20L-40.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	246.2	N.A.	17.6
FM - Front-Medium (30-60)	427.9	N.A.	30.5
FH - Front-High (60-80)	122.9	N.A.	8.8
FVH - Front-Very High (80-90)	8.9	N.A.	0.6
BL - Back-Low (0-30)	236.8	N.A.	16.9
BM - Back-Medium (30-60)	296.6	N.A.	21.1
BH - Back-High (60-80)	48.7	N.A.	3.5
BVH - Back-Very High (80-90)	3.3	N.A.	0.2
UL - Uplight-Low (90-100)	4.1	N.A.	0.3
UH - Uplight-High (100-180)	6.9	N.A.	0.5
Total	1402.3	N.A.	100.0
BUG Rating	B1-U1-G0		

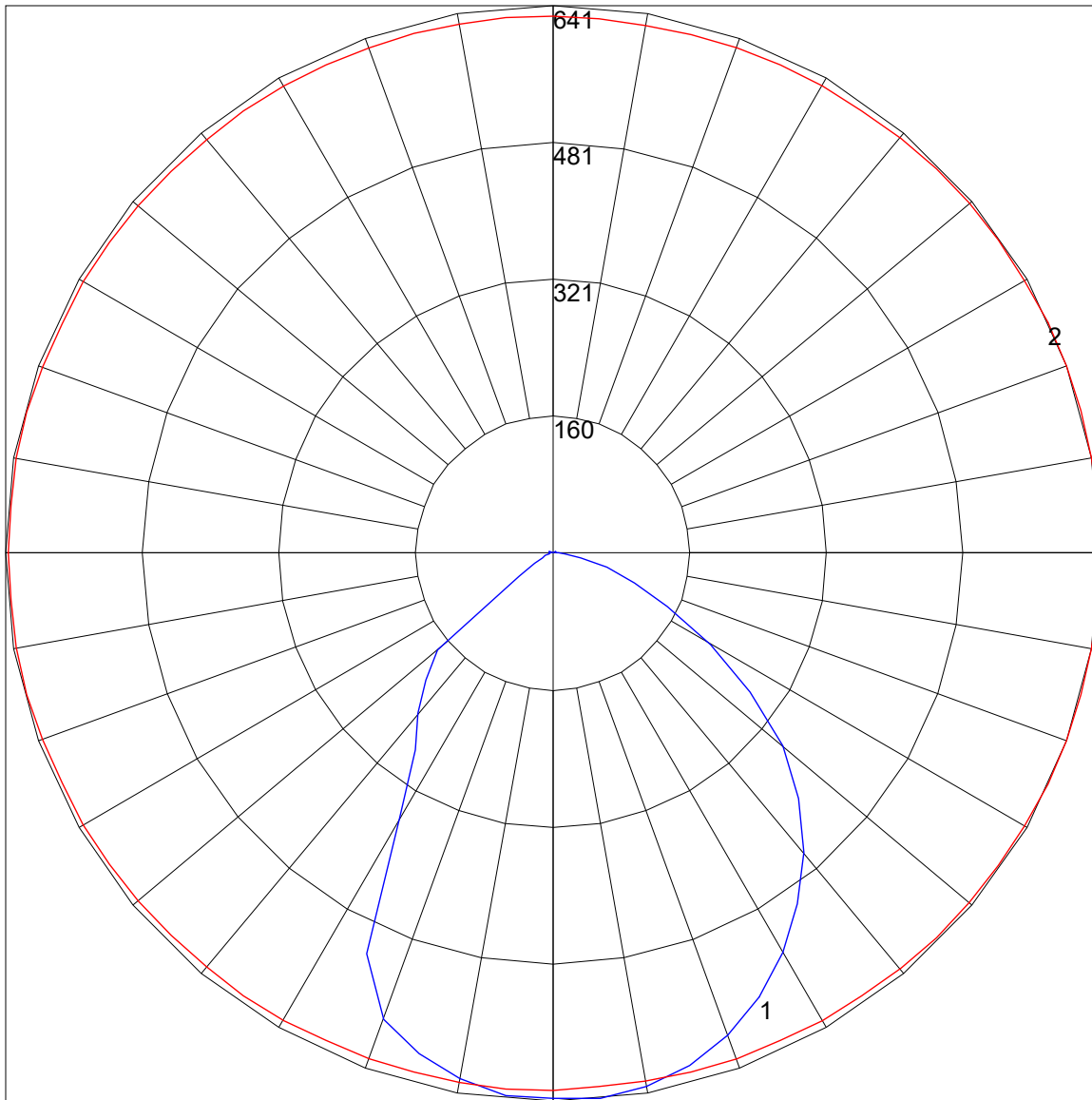
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

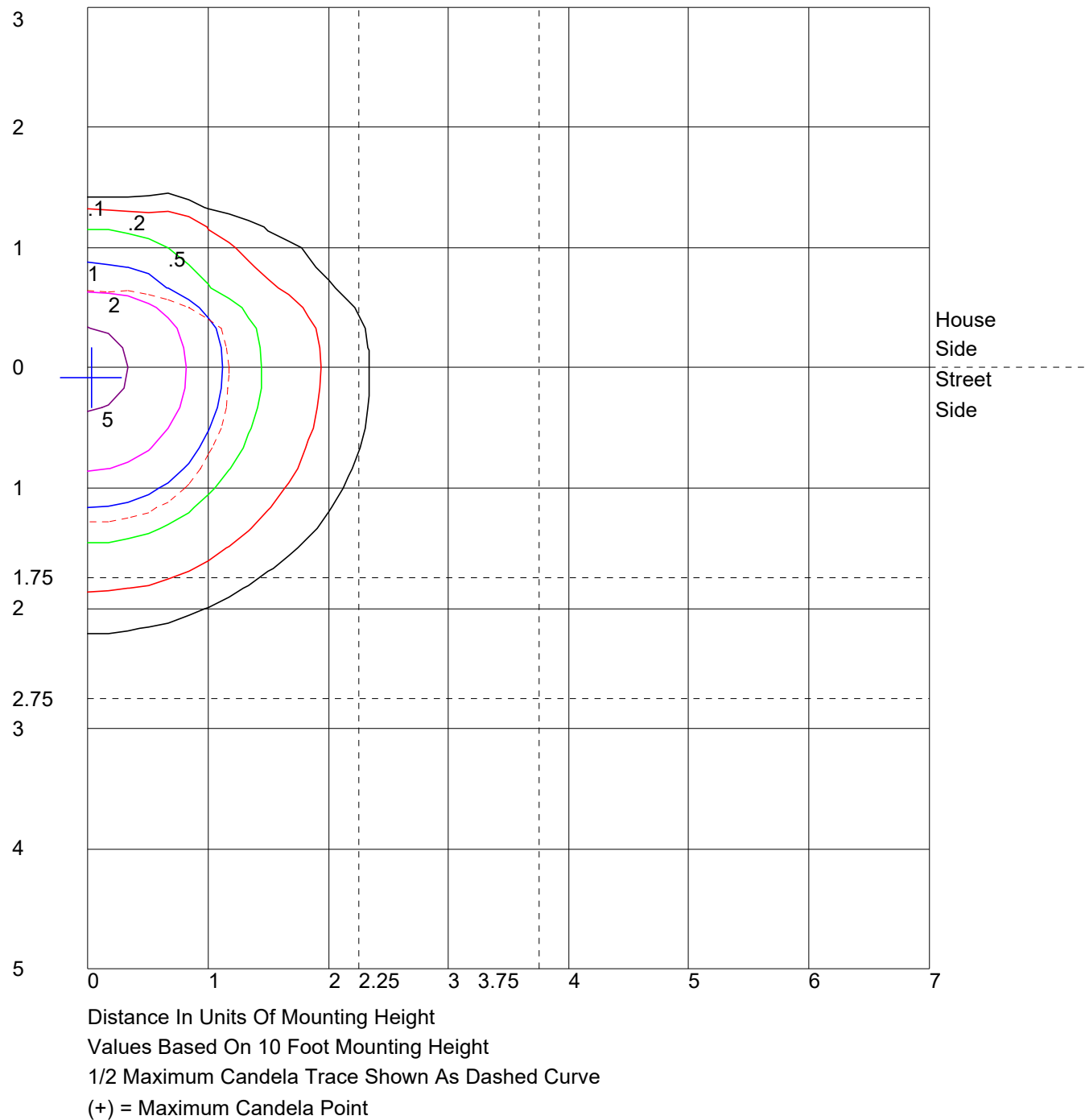
	Lumens	Percent Of Luminaire
Downward Street Side	805.8	57.5
Downward House Side	585.3	41.7
Downward Total	1391.1	99.2
Upward Street Side	5.8	0.4
Upward House Side	5.2	0.4
Upward Total	11.0	0.8
Total Flux	1402.1	100.0

POLAR GRAPH

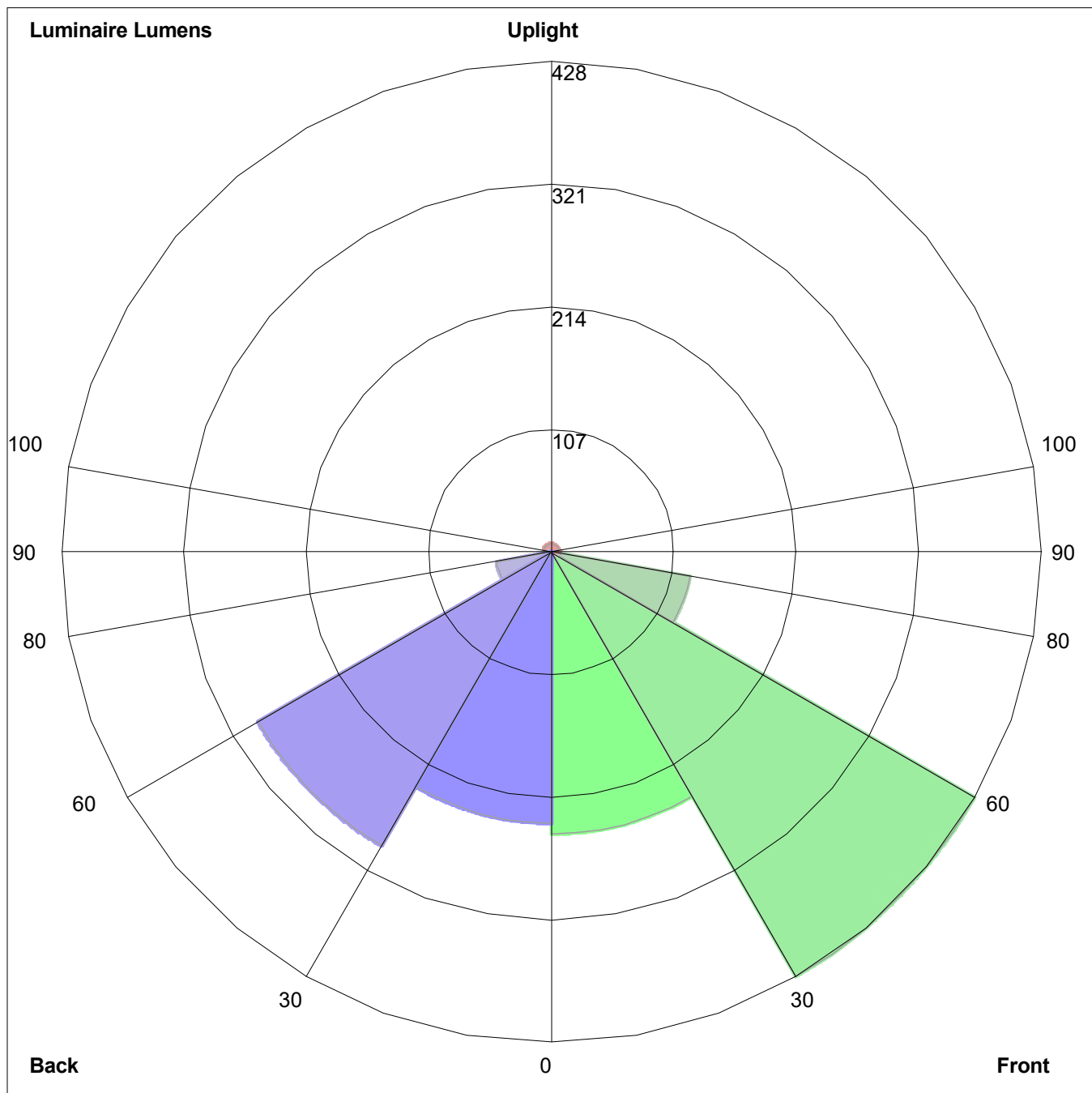


Maximum Candela = 641 Located At Horizontal Angle = 15, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=246.2, Medium=427.9, High=122.9, Very High=8.9  
Back: Low=236.8, Medium=296.6, High=48.7, Very High=3.3  
Uplight: Low=4.1, High=6.9

BUG Rating : B1-U1-G0