



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 2 UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2012022E-G  
[ISSUEDATE] 2020-12-15 16:28  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK L HI 2 UV 840  
[LUMINAIRE] LED Large Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 2.413 A  
[\_POWERFACTOR] 0.998  
[\_THD] 1.98  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.2 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

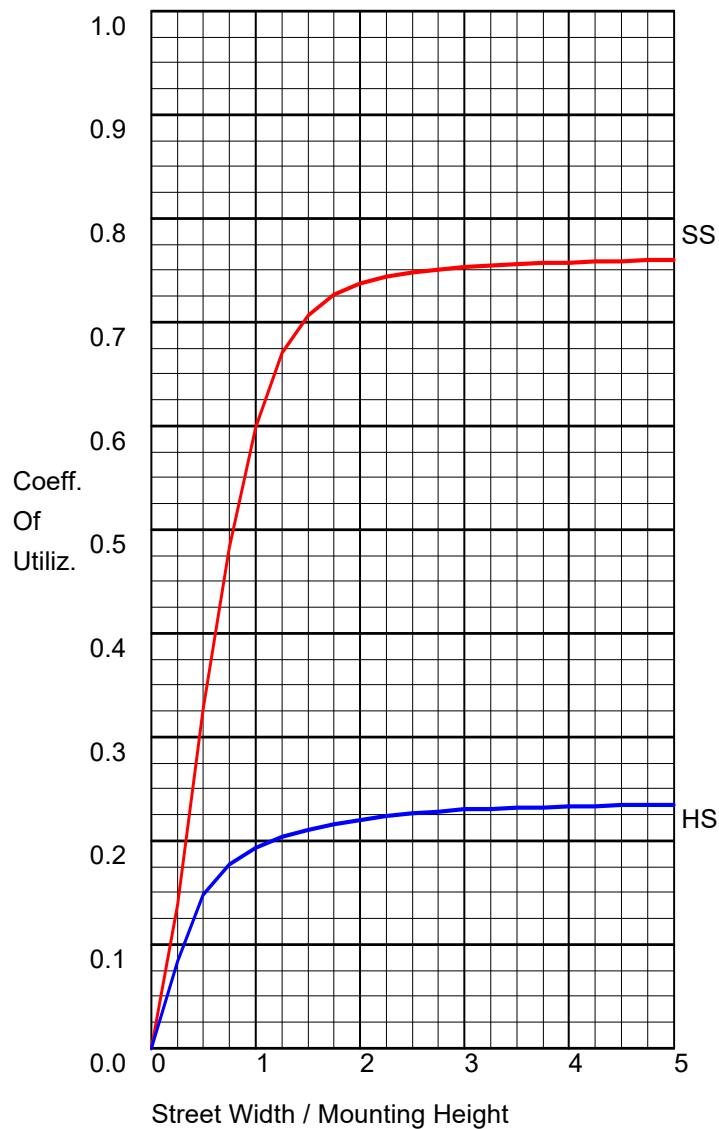
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	41050.4 (1 lamp)
Total Lamp Lumens	41050.4
Luminaire Lumens	41050
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	289.02
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21184.24
Maximum Candela Angle	285H 71V
Maximum Candela (<90 Degrees Vertical)	21184.24
Maximum Candela Angle (<90 Degrees Vertical)	285H 71V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6467.02 (15.8% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5979.3	14.6	14.6
FM - Front-Medium (30-60)	17587.5	42.8	42.8
FH - Front-High (60-80)	7334.6	17.9	17.9
FVH - Front-Very High (80-90)	421.6	1.0	1.0
BL - Back-Low (0-30)	2462.2	6.0	6.0
BM - Back-Medium (30-60)	4158.0	10.1	10.1
BH - Back-High (60-80)	2881.8	7.0	7.0
BVH - Back-Very High (80-90)	225.6	0.5	0.5
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	41050.6	99.9	100.0
BUG Rating	B4-U0-G4		

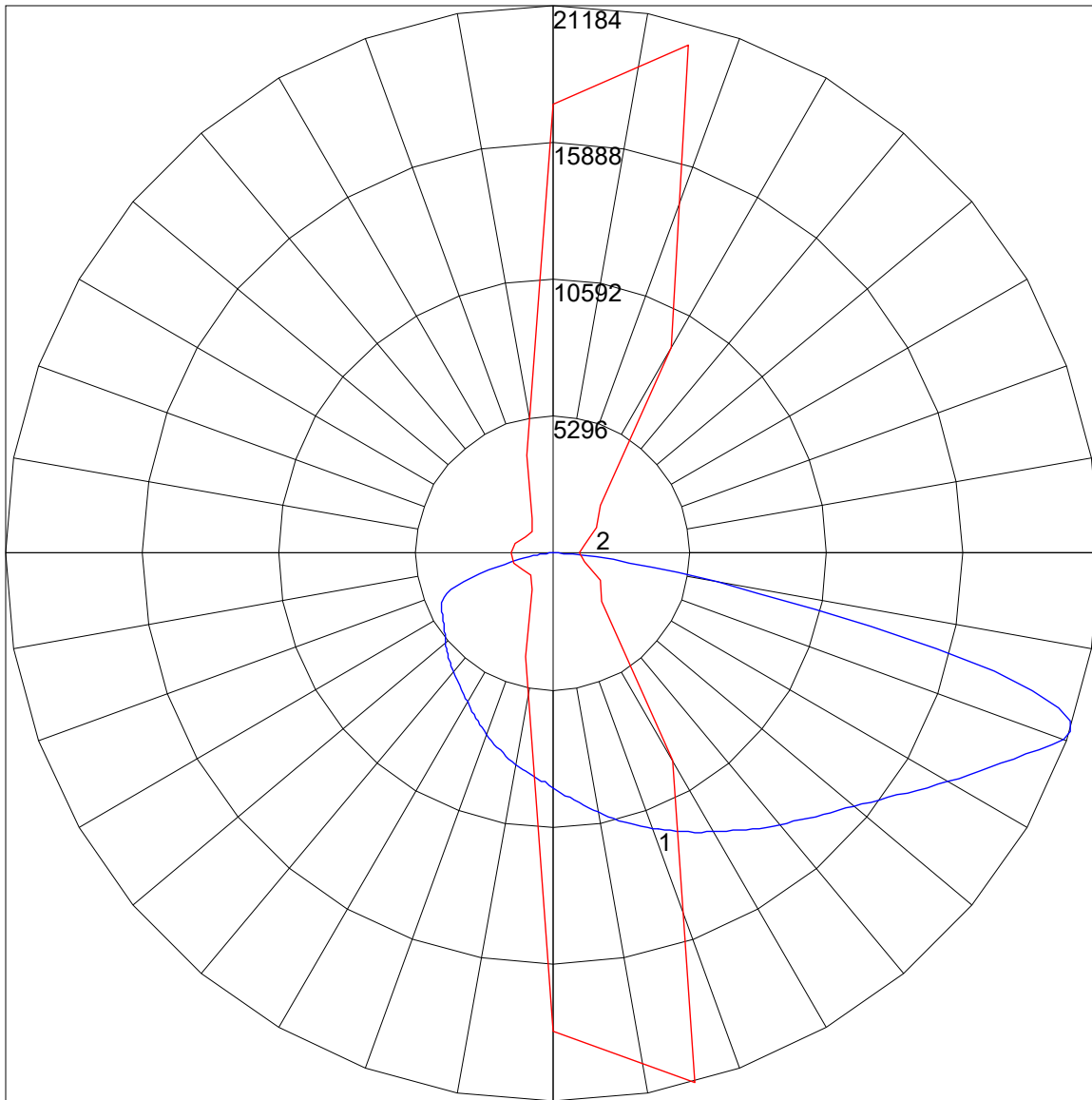
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

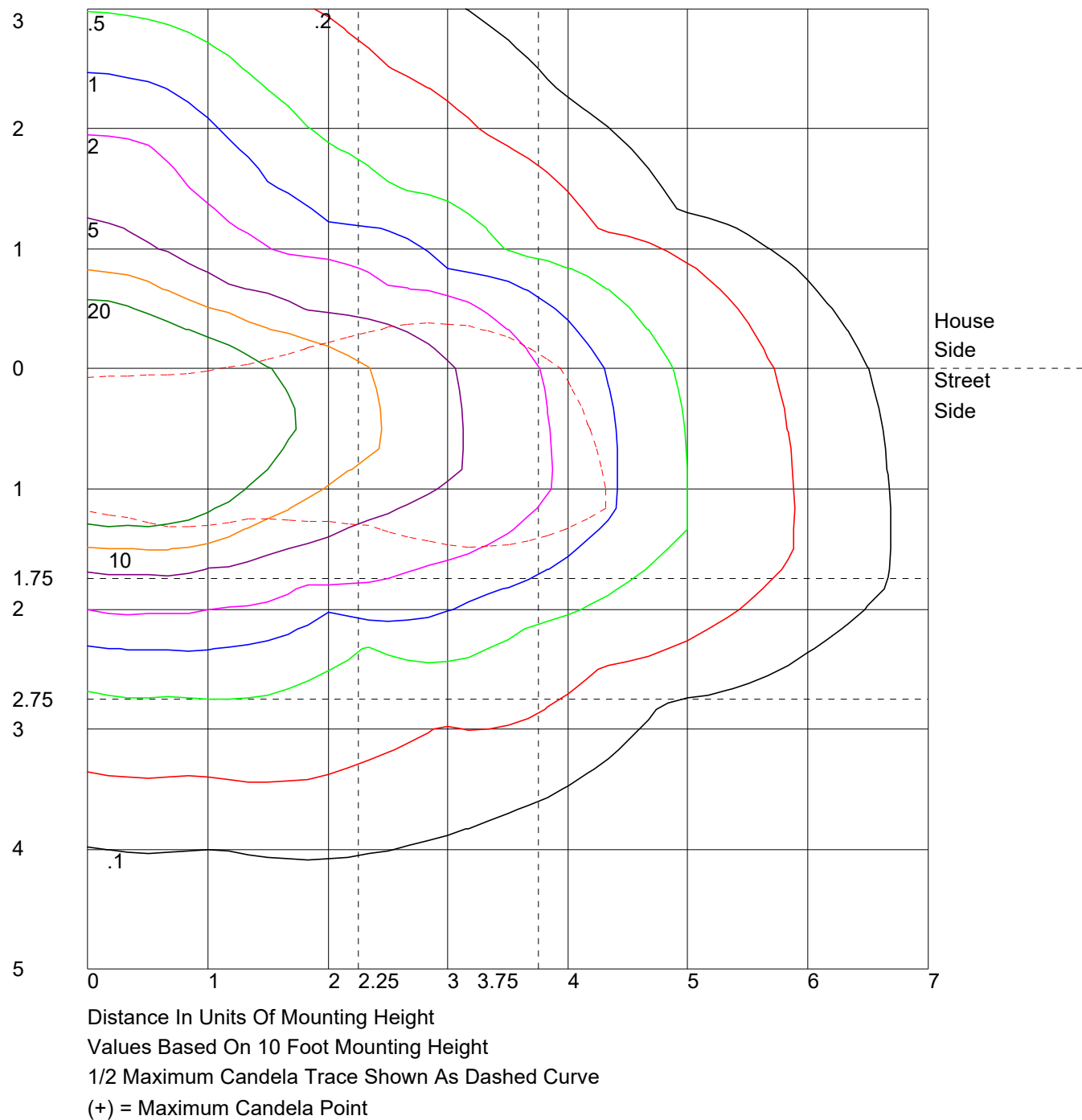
	Lumens	Percent Of Lamp
Downward Street Side	31322.9	76.3
Downward House Side	9727.5	23.7
Downward Total	41050.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41050.4	100.0

POLAR GRAPH

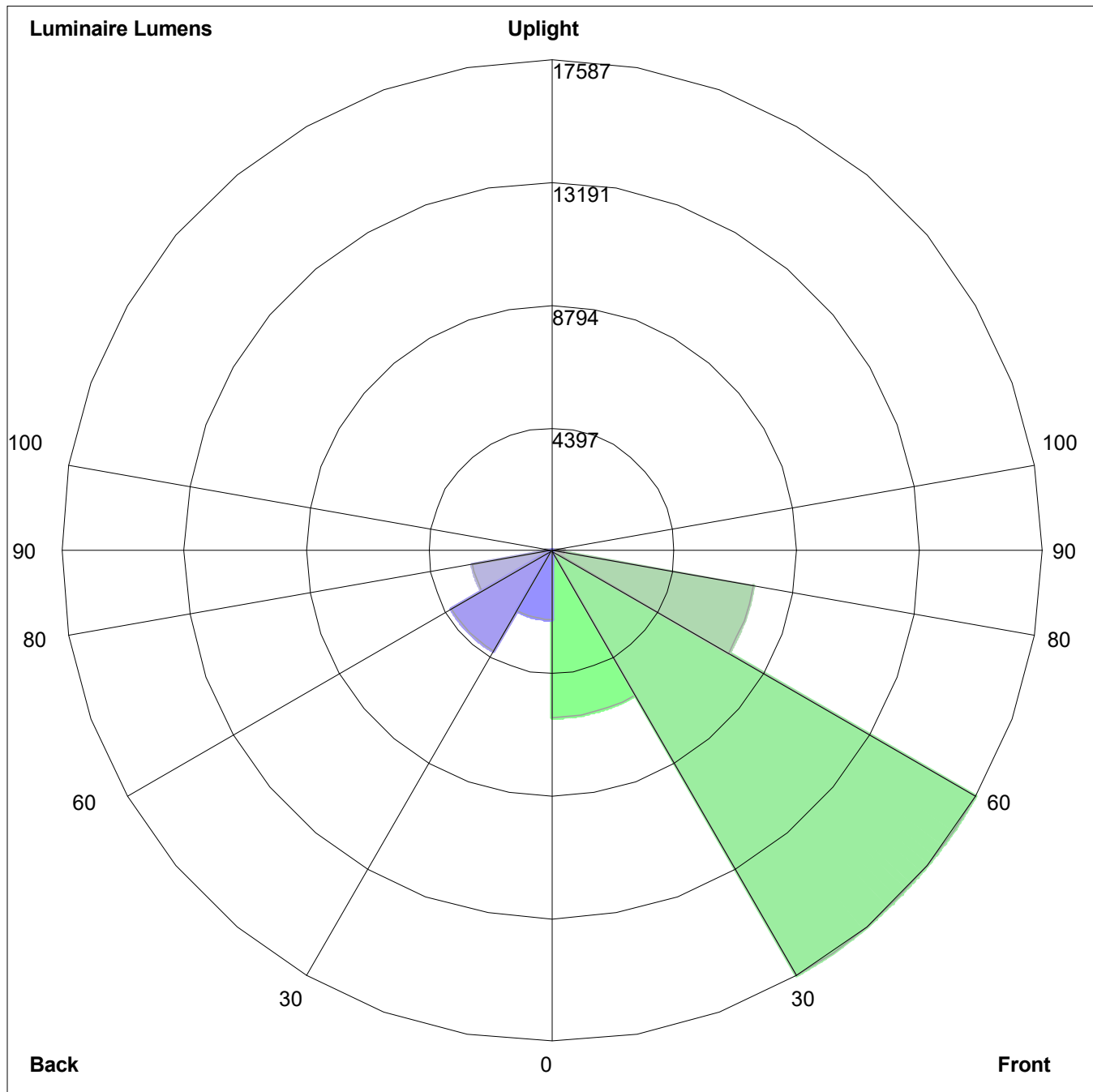


Maximum Candela = 21184.24 Located At Horizontal Angle = 285, Vertical Angle = 71  
# 1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=5979.3, Medium=17587.5, High=7334.6, Very High=421.6  
Back: Low=2462.2, Medium= 4158.0, High=2881.8, Very High=225.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4