



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L MD 4 UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-F  
[ISSUE DATE] 2020-11-6 11:25  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK L MD 4 UV 840  
[LUMINAIRE] LED Large Area Light  
[VOLTAGE] 120.0 V  
[CURRENT] 1.747 A  
[POWERFACTOR] 0.998  
[THD] 4.68  
[TESTLAB] Belling Test Laboratory Co., LTD  
[TESTINST] GPM-3000  
[TESTDIST] 14.040 m [K=1.0000]  
[TESTTEMPERATURE] 25.4 'C  
[TESTHUMIDITY]  
[TESTOPERATOR]

### CHARACTERISTICS

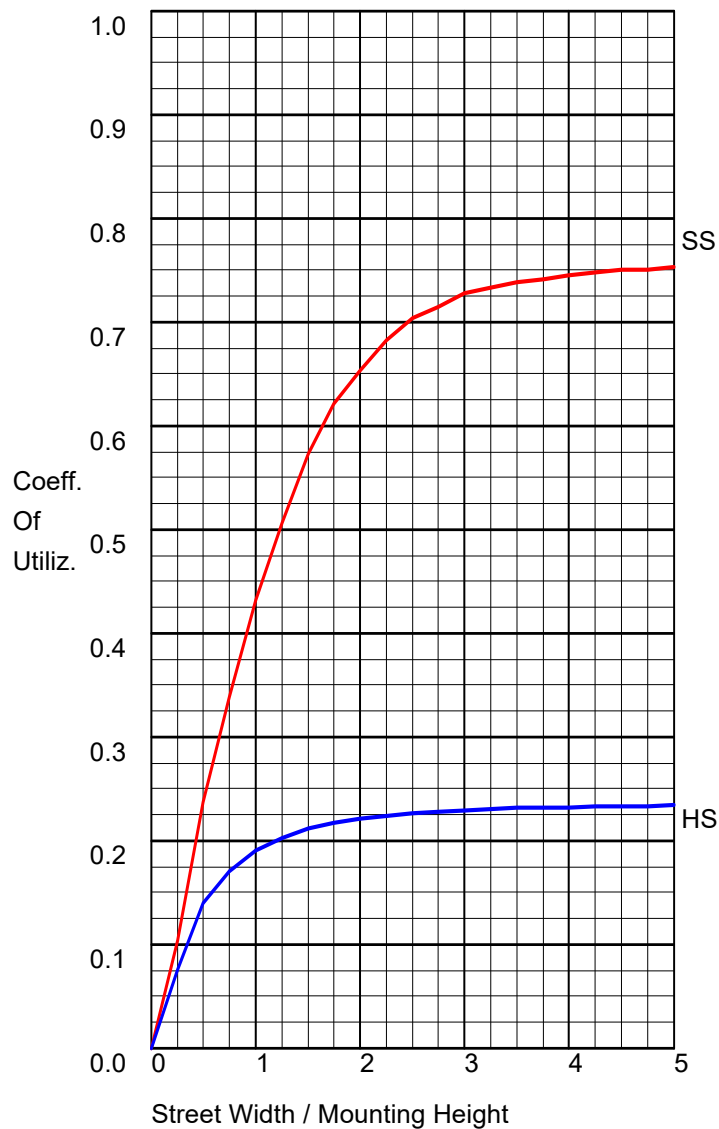
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	29739.4 (1 lamp)
Total Lamp Lumens	29739.4
Luminaire Lumens	29739
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	209.56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15118.12
Maximum Candela Angle	45H 69V
Maximum Candela (<90 Degrees Vertical)	15118.12
Maximum Candela Angle (<90 Degrees Vertical)	45H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4457.1 (15.0% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3215.0	10.8	10.8
FM - Front-Medium (30-60)	11252.5	37.8	37.8
FH - Front-High (60-80)	7764.0	26.1	26.1
FVH - Front-Very High (80-90)	420.9	1.4	1.4
BL - Back-Low (0-30)	1923.8	6.5	6.5
BM - Back-Medium (30-60)	3477.7	11.7	11.7
BH - Back-High (60-80)	1524.9	5.1	5.1
BVH - Back-Very High (80-90)	160.6	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	29739.4	99.9	100.0
BUG Rating	B3-U0-G4		

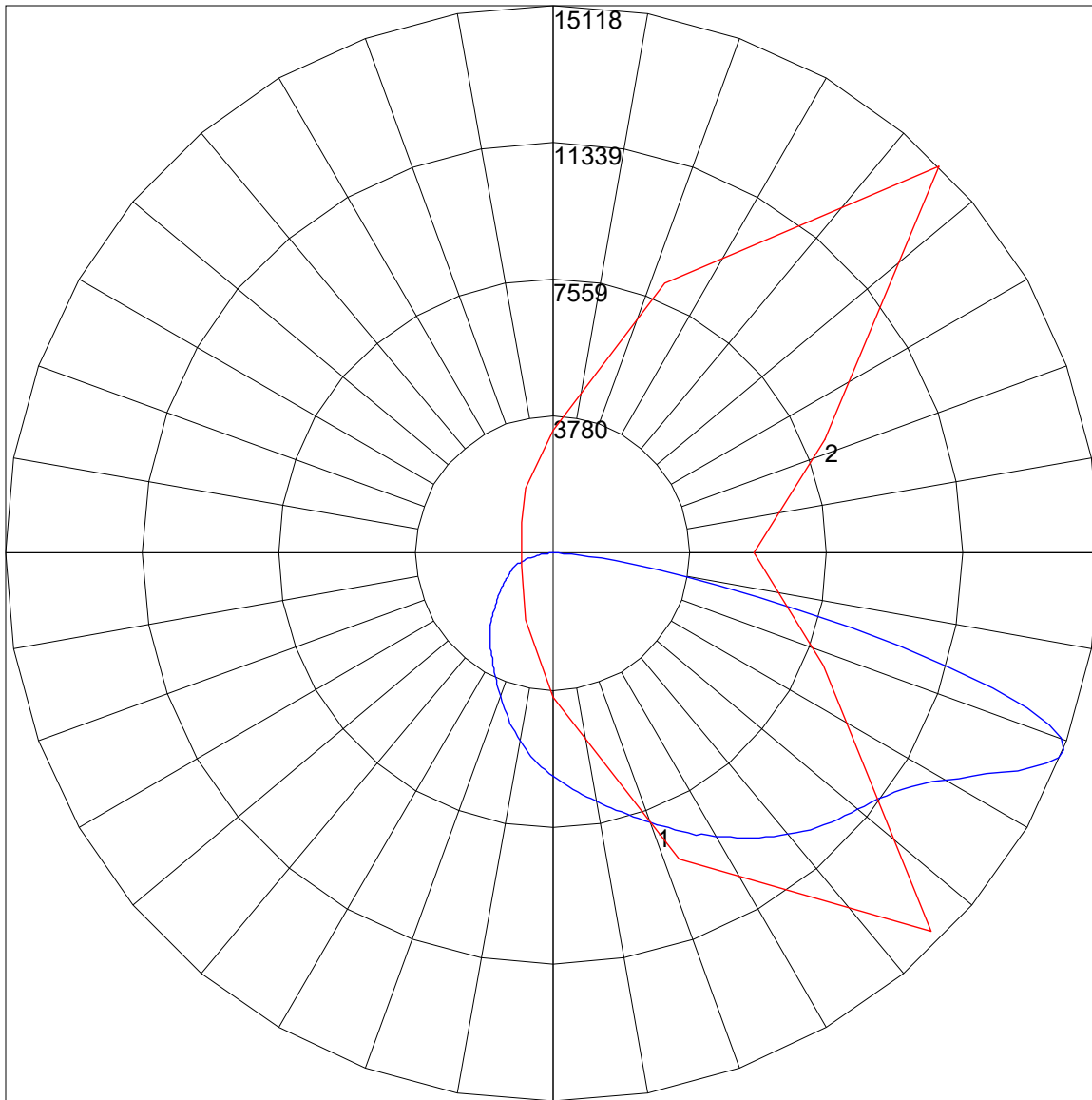
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

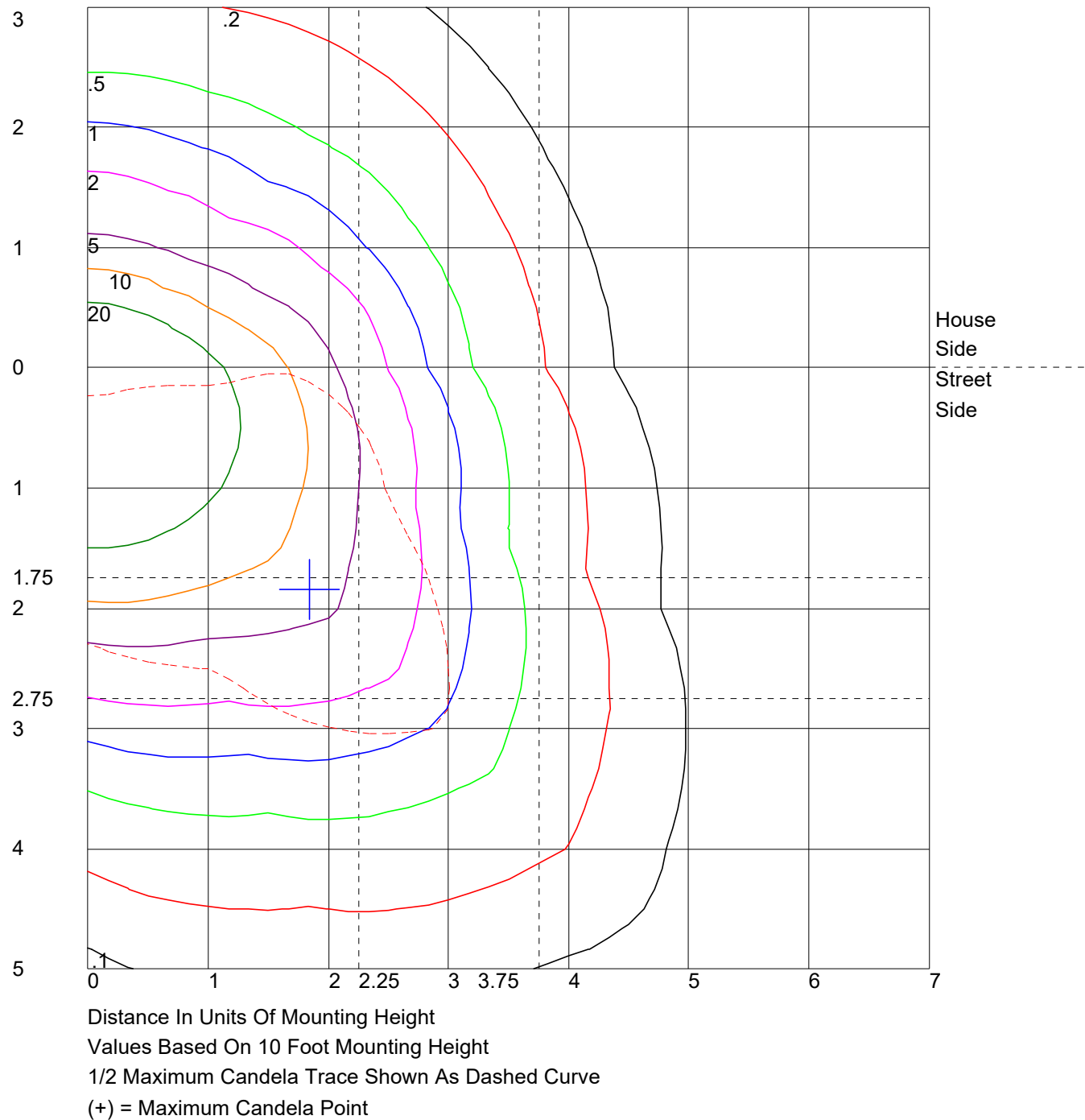
	Lumens	Percent Of Lamp
Downward Street Side	22652.5	76.2
Downward House Side	7086.9	23.8
Downward Total	29739.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	29739.4	100.0

POLAR GRAPH

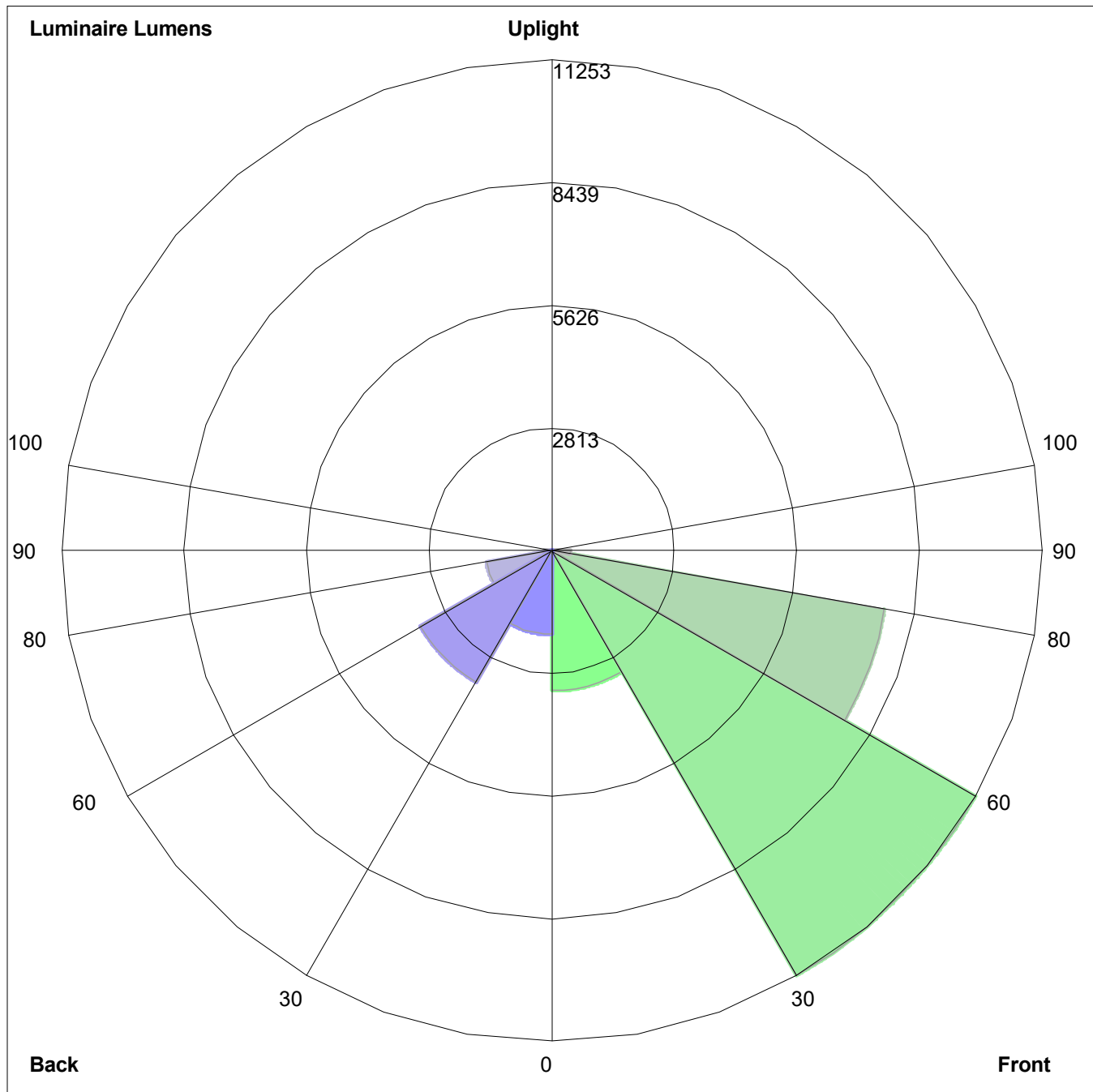


Maximum Candela = 15118.12 Located At Horizontal Angle = 45, Vertical Angle = 69  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 3215.0, Medium=11252.5, High= 7764.0, Very High=420.9  
Back: Low=1923.8, Medium=3477.7, High=1524.9, Very High=160.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4