



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 5 HV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022G-H  
[ISSUE DATE] 2020-11-9 17:51  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK L HI 5 HV 840  
[LUMINAIRE] LED Large Area Light  
[VOLTAGE] 480.0 V  
[CURRENT] 0.651 A  
[POWERFACTOR] 0.905  
[THD] 9.45  
[TESTLAB] Belling Test Laboratory Co., LTD  
[TESTINST] GPM-3000  
[TESTDIST] 14.040 m [K=1.0000]  
[TESTTEMPERATURE] 25.5 °C  
[TESTHUMIDITY]  
[TESTOPERATOR]

### CHARACTERISTICS

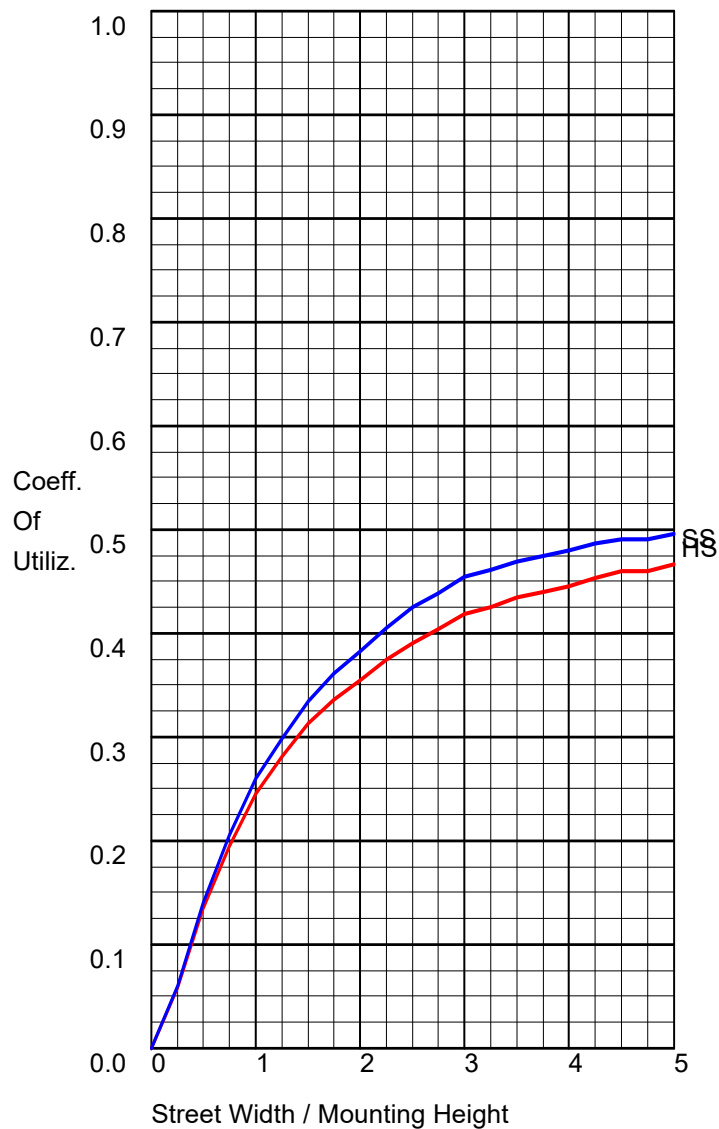
IES Classification	Type VS
Longitudinal Classification	Medium
Lumens Per Lamp	40173.1 (1 lamp)
Total Lamp Lumens	40173.1
Luminaire Lumens	40173
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	282.71
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12113.37
Maximum Candela Angle	135H 77V
Maximum Candela (<90 Degrees Vertical)	12113.37
Maximum Candela Angle (<90 Degrees Vertical)	135H 77V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	11259.53 (28.0% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2075.6	5.2	5.2
FM - Front-Medium (30-60)	7337.1	18.3	18.3
FH - Front-High (60-80)	8640.6	21.5	21.5
FVH - Front-Very High (80-90)	1629.1	4.1	4.1
BL - Back-Low (0-30)	2177.6	5.4	5.4
BM - Back-Medium (30-60)	7981.2	19.9	19.9
BH - Back-High (60-80)	9181.7	22.9	22.9
BVH - Back-Very High (80-90)	1150.1	2.9	2.9
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	40173.0	100.2	100.0
BUG Rating	B5-U0-G5		

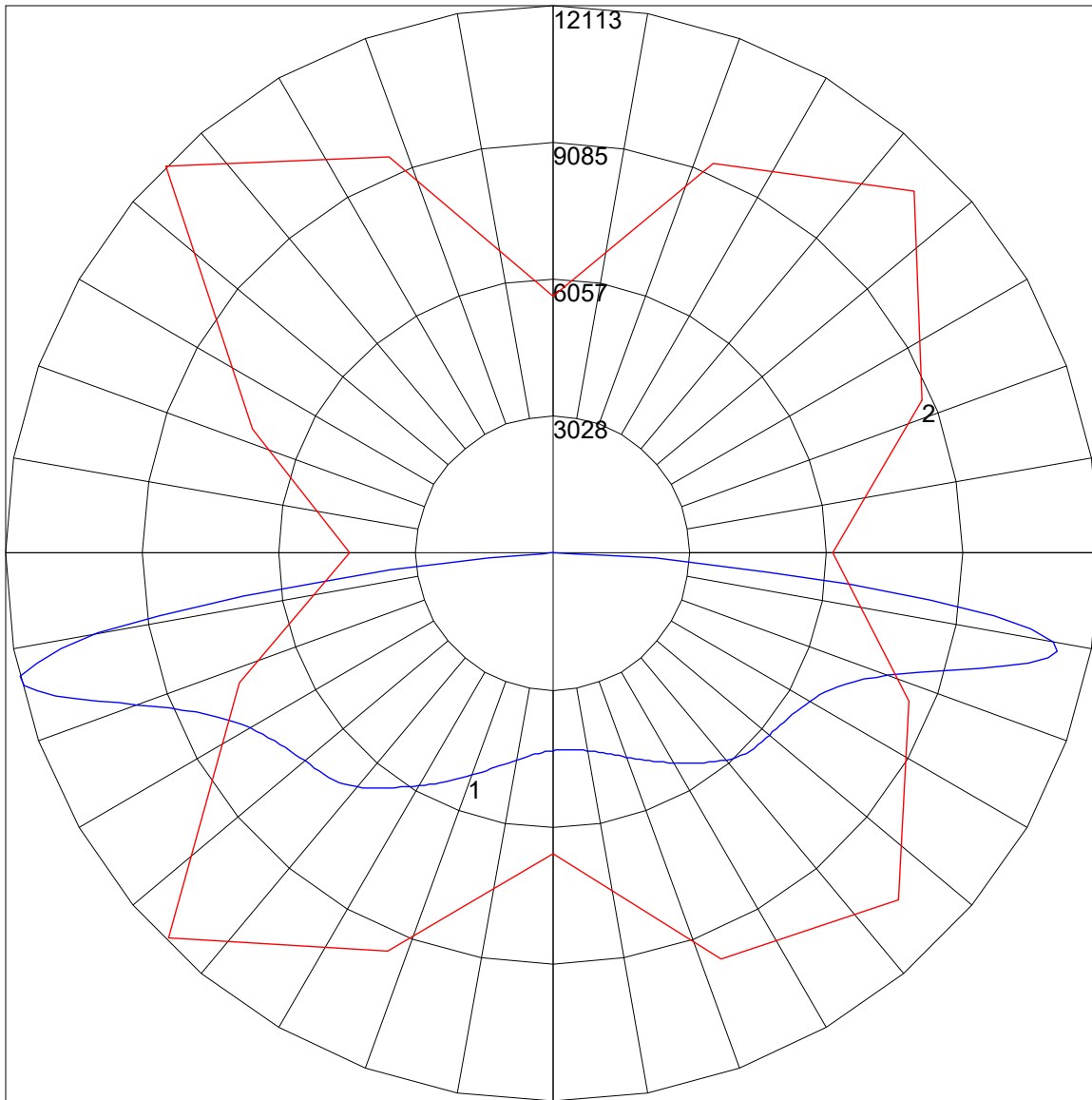
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

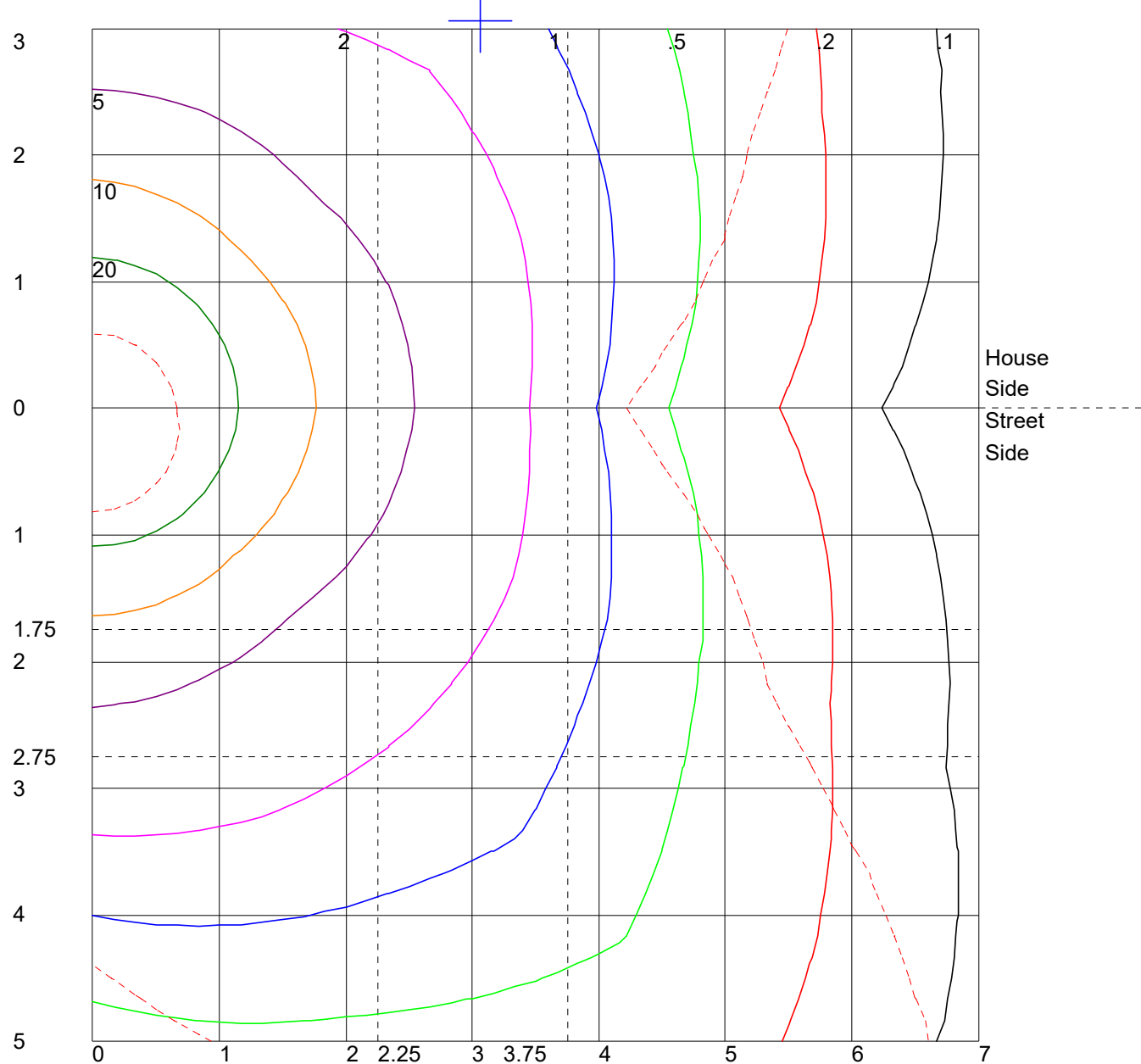
	Lumens	Percent Of Lamp
Downward Street Side	19682.5	49.0
Downward House Side	20490.6	51.0
Downward Total	40173.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	40173.1	100.0

POLAR GRAPH



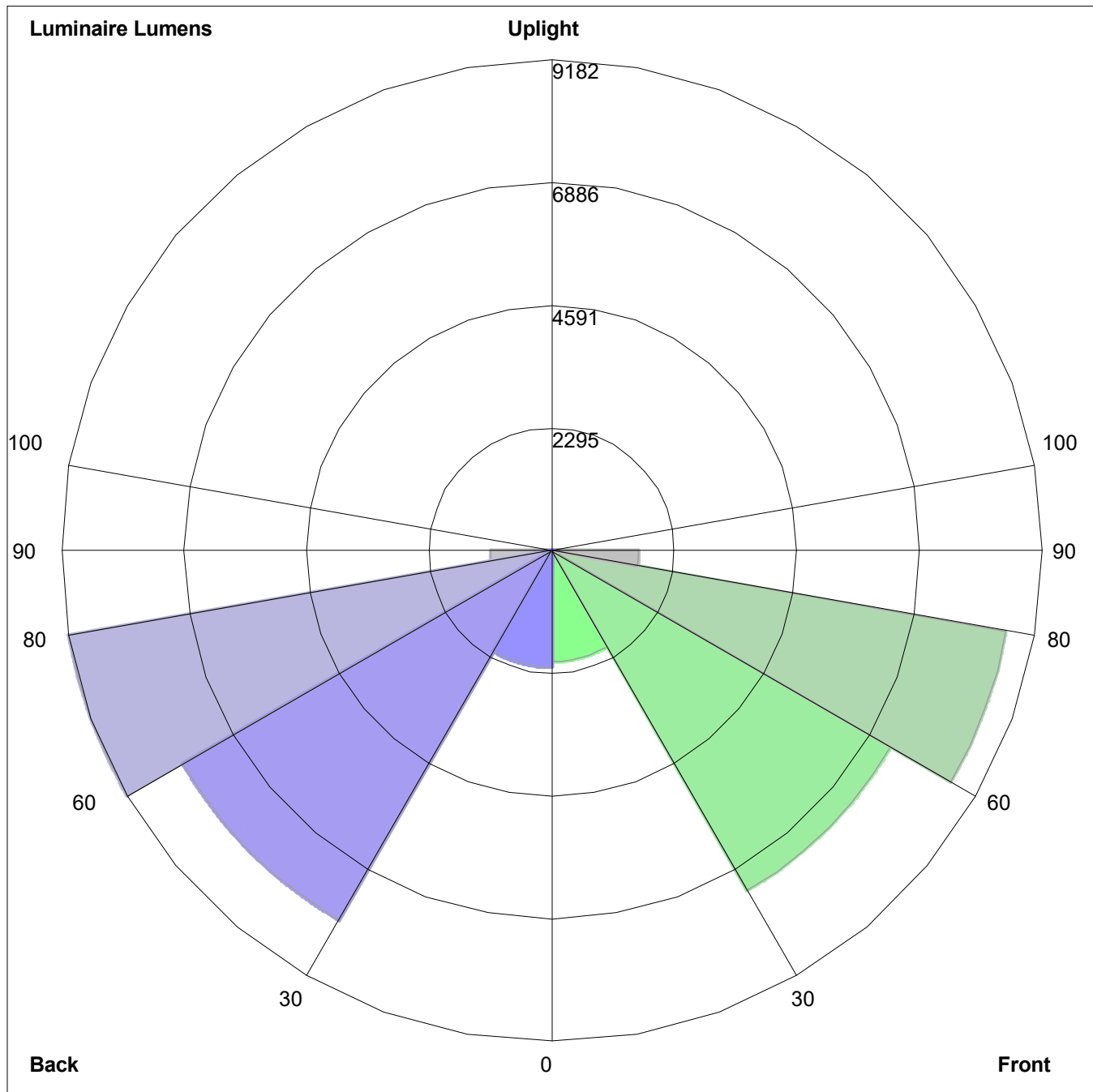
Maximum Candela = 12113.37 Located At Horizontal Angle = 135, Vertical Angle = 77  
# 1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (77) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 10 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2075.6, Medium=7337.1, High=8640.6, Very High=1629.1  
Back: Low=2177.6, Medium=7981.2, High=9181.7, Very High=1150.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G5