



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 5 UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022G-C  
[ISSUEDATE] 2020-11-7 14:30  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK M MD 5 UV 840  
[LUMINAIRE] LED Medium Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 1.161 A  
[\_POWERFACTOR] 0.997  
[\_THD] 4.31  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.5 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

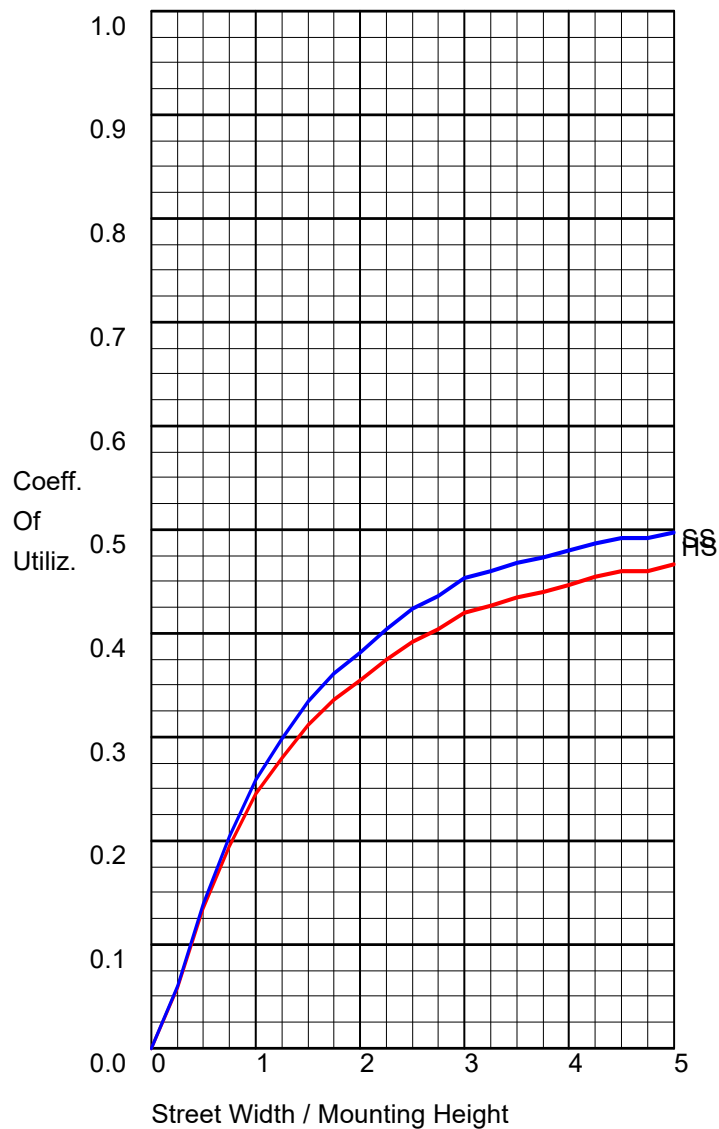
IES Classification	Type VS
Longitudinal Classification	Medium
Lumens Per Lamp	19249.9 (1 lamp)
Total Lamp Lumens	19249.9
Luminaire Lumens	19250
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	139.29
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5910.23
Maximum Candela Angle	225H 77V
Maximum Candela (<90 Degrees Vertical)	5910.23
Maximum Candela Angle (<90 Degrees Vertical)	225H 77V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5425.98 (28.2% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	987.0	5.1	5.1
FM - Front-Medium (30-60)	3501.1	18.2	18.2
FH - Front-High (60-80)	4166.7	21.6	21.6
FVH - Front-Very High (80-90)	733.5	3.8	3.8
BL - Back-Low (0-30)	1030.3	5.4	5.4
BM - Back-Medium (30-60)	3812.9	19.8	19.8
BH - Back-High (60-80)	4420.5	23.0	23.0
BVH - Back-Very High (80-90)	597.9	3.1	3.1
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	19249.9	100.0	100.0
BUG Rating	B4-U0-G4		

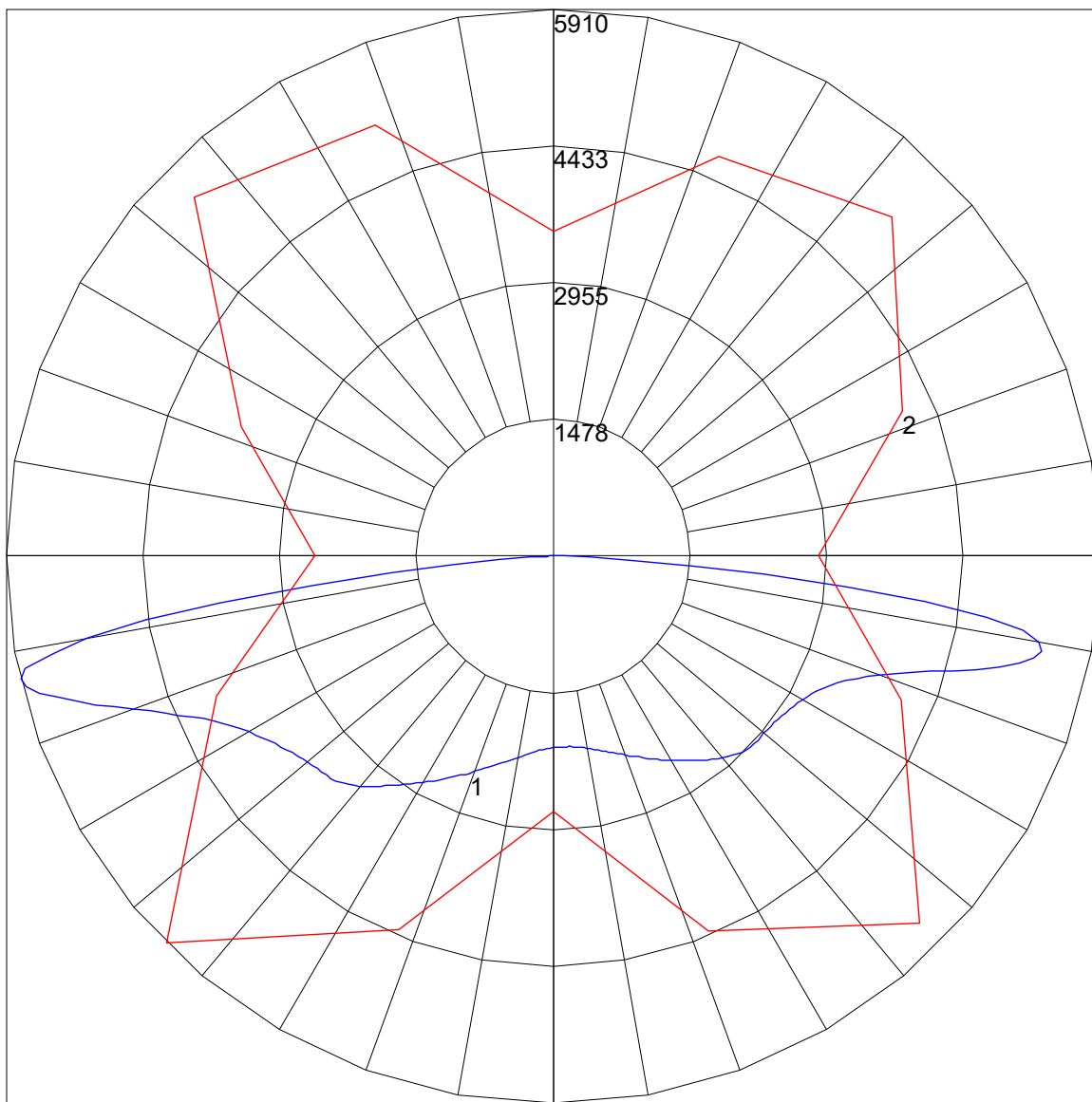
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

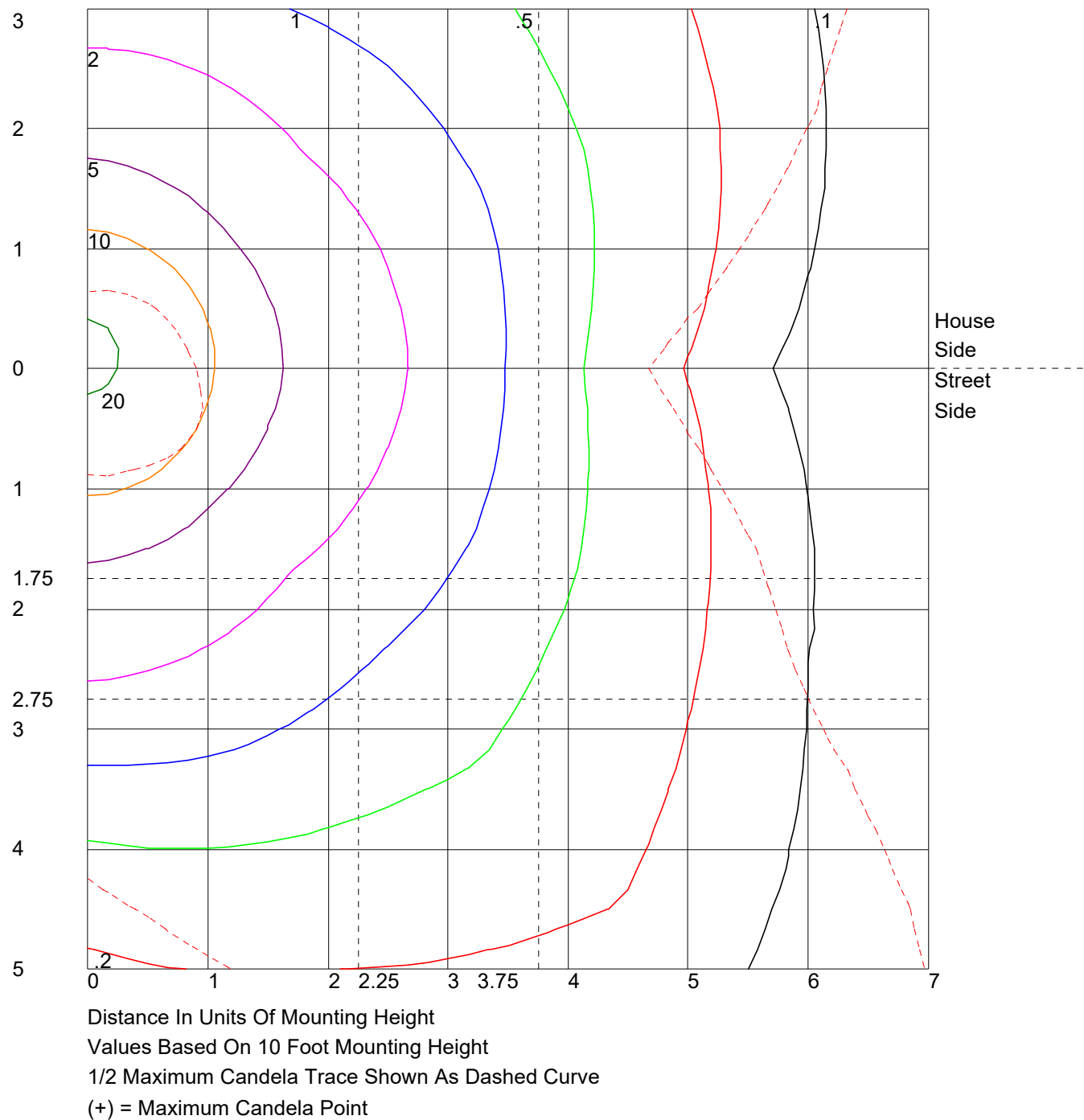
	Lumens	Percent Of Lamp
Downward Street Side	9388.3	48.8
Downward House Side	9861.6	51.2
Downward Total	19249.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19249.9	100.0

POLAR GRAPH

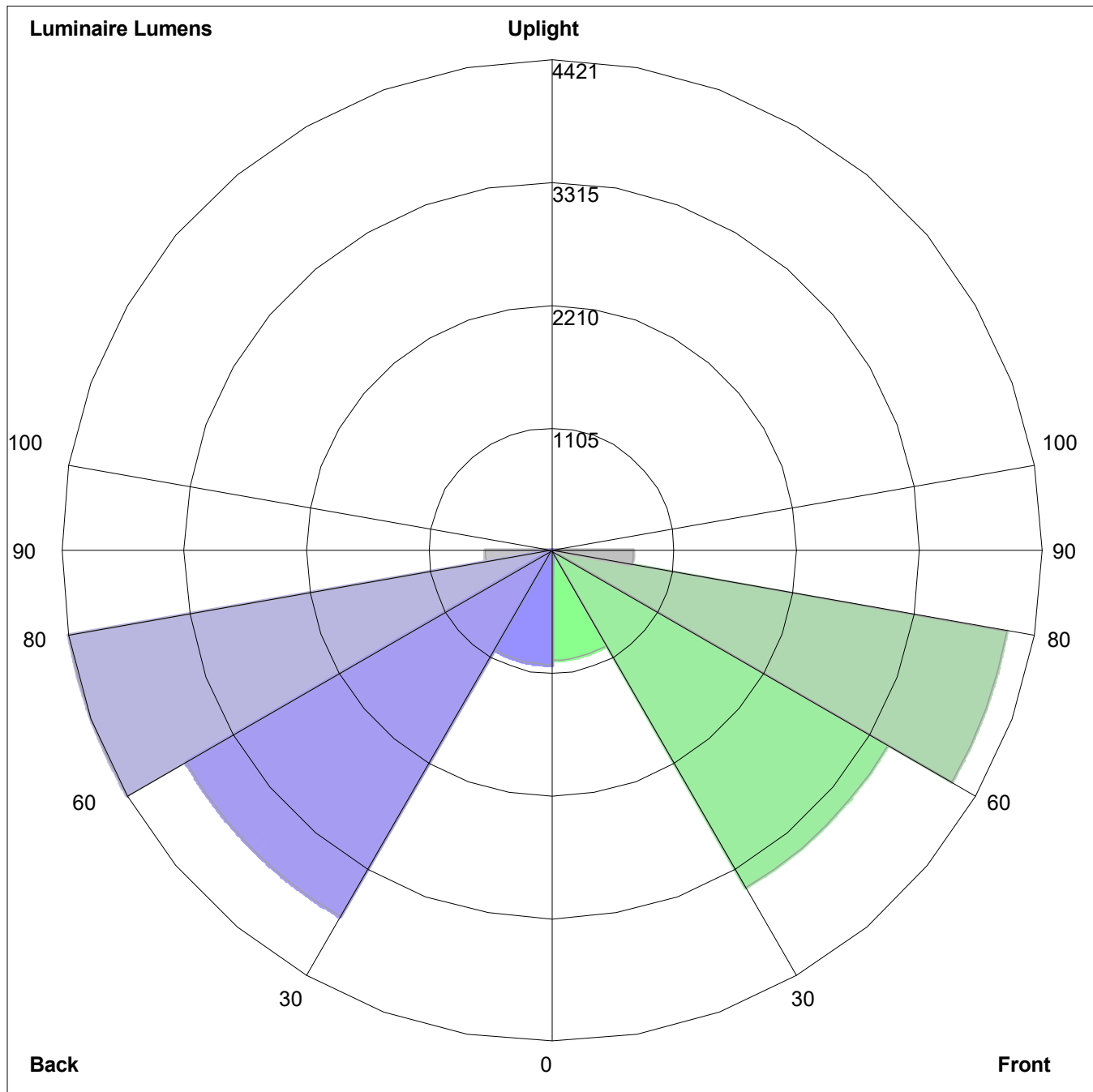


Maximum Candela = 5910.23 Located At Horizontal Angle = 225, Vertical Angle = 77  
# 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (77) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=987.0, Medium=3501.1, High=4166.7, Very High=733.5  
Back: Low=1030.3, Medium=3812.9, High=4420.5, Very High=597.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4