



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 4 HV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-E  
[ISSUEDATE] 2020-11-6 17:08  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK M MD 4 HV 840  
[LUMINAIRE] LED Medium Area Light  
[\_VOLTAGE] 480.0 V  
[\_CURRENT] 0.299 A  
[\_POWERFACTOR] 0.963  
[\_THD] 4.19  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.6 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

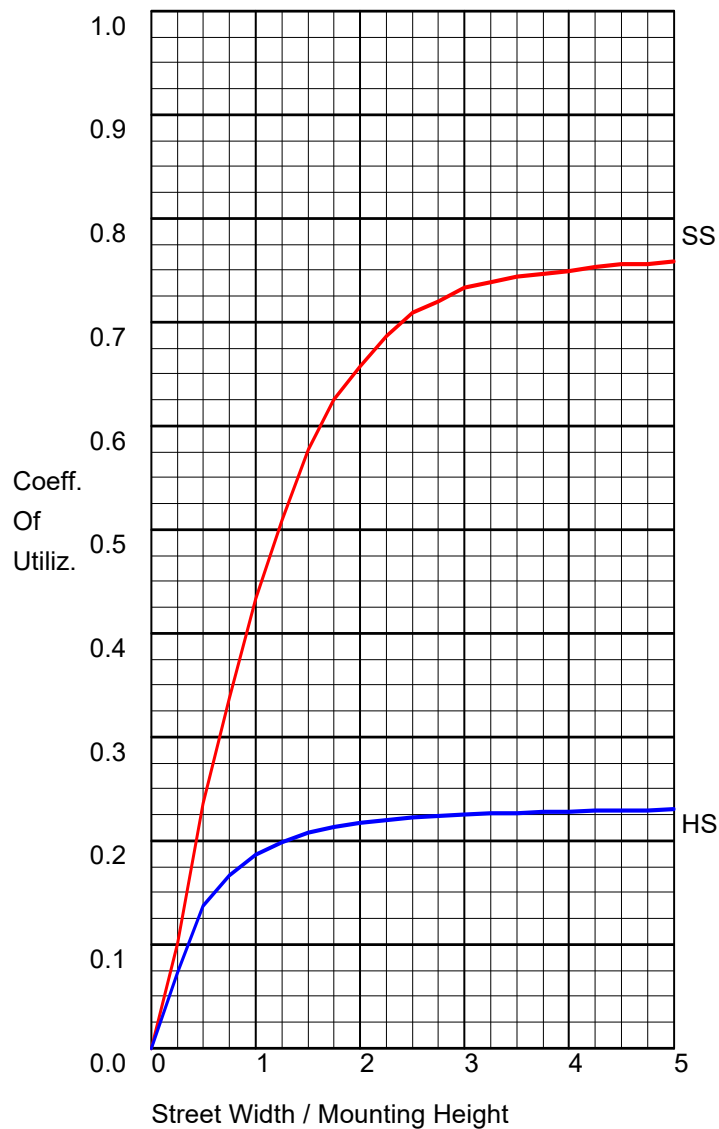
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	19667.3 (1 lamp)
Total Lamp Lumens	19667.3
Luminaire Lumens	19667
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	138.16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10078.71
Maximum Candela Angle	315H 70V
Maximum Candela (<90 Degrees Vertical)	10078.71
Maximum Candela Angle (<90 Degrees Vertical)	315H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2728.94 (13.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2078.6	10.6	10.6
FM - Front-Medium (30-60)	7537.5	38.3	38.3
FH - Front-High (60-80)	5179.8	26.3	26.3
FVH - Front-Very High (80-90)	279.1	1.4	1.4
BL - Back-Low (0-30)	1225.2	6.2	6.2
BM - Back-Medium (30-60)	2262.3	11.5	11.5
BH - Back-High (60-80)	1011.3	5.1	5.1
BVH - Back-Very High (80-90)	93.4	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	19667.2	99.9	100.0
BUG Rating	B3-U0-G3		

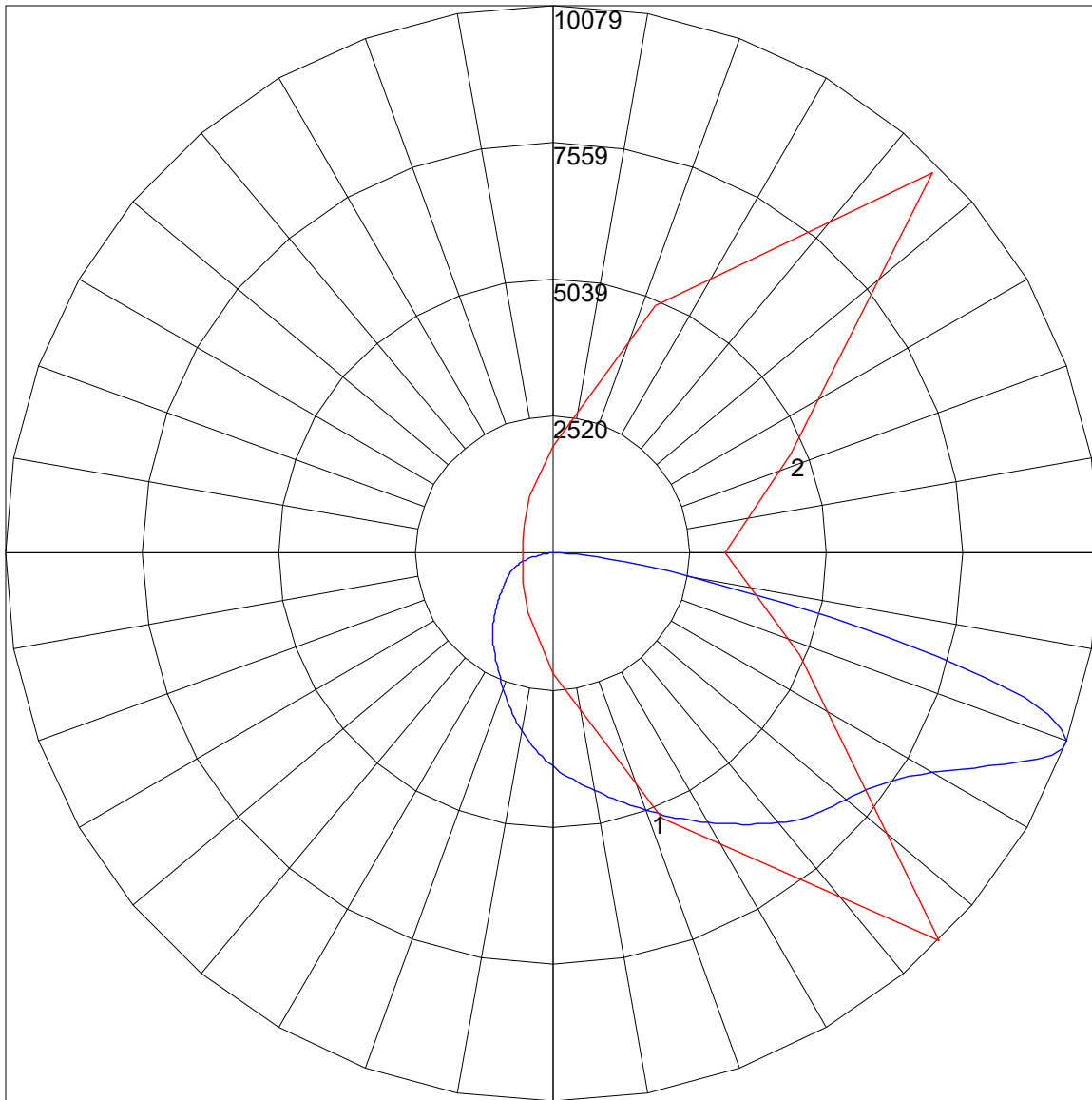
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

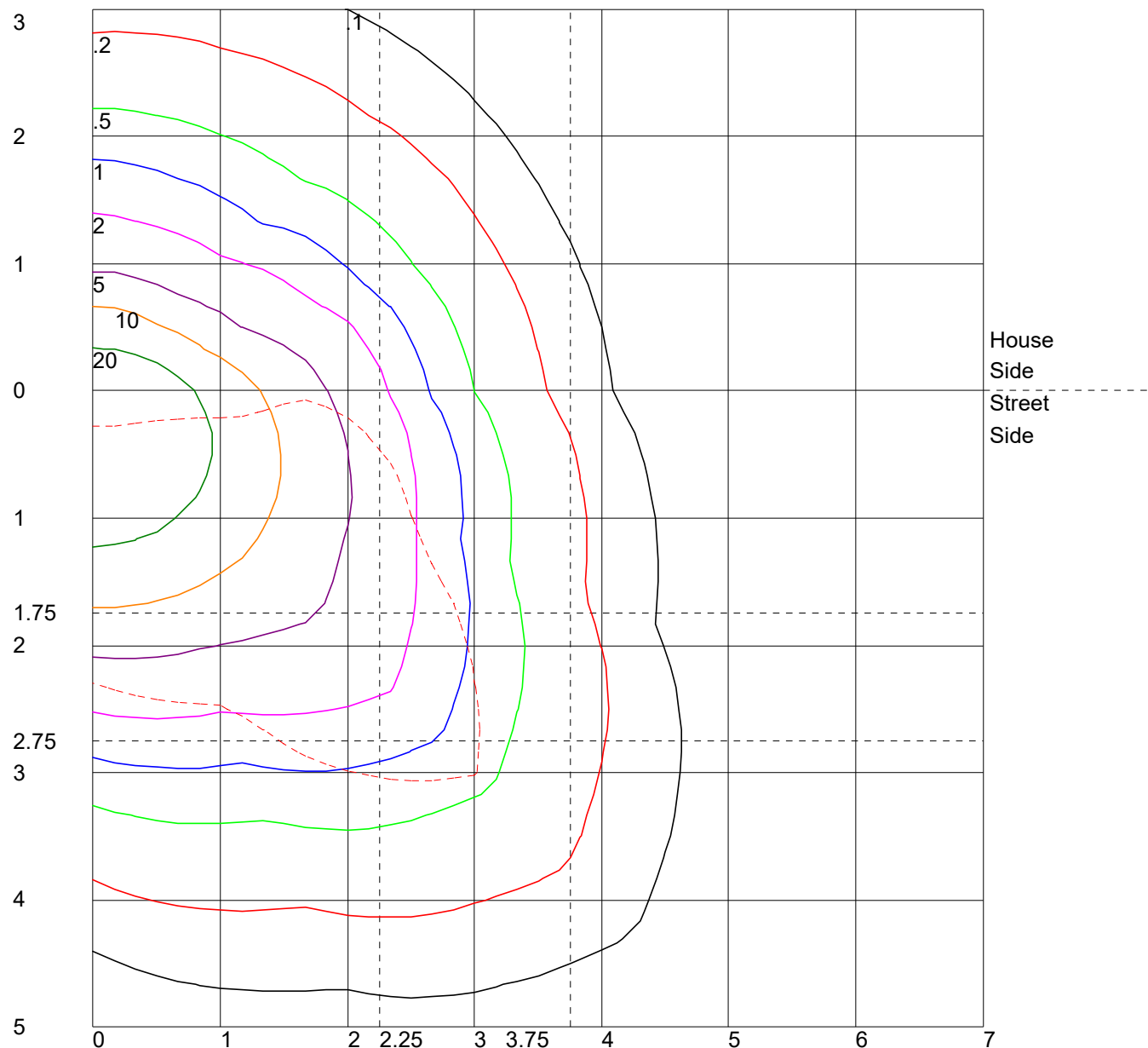
	Lumens	Percent Of Lamp
Downward Street Side	15075.1	76.7
Downward House Side	4592.2	23.3
Downward Total	19667.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19667.3	100.0

POLAR GRAPH



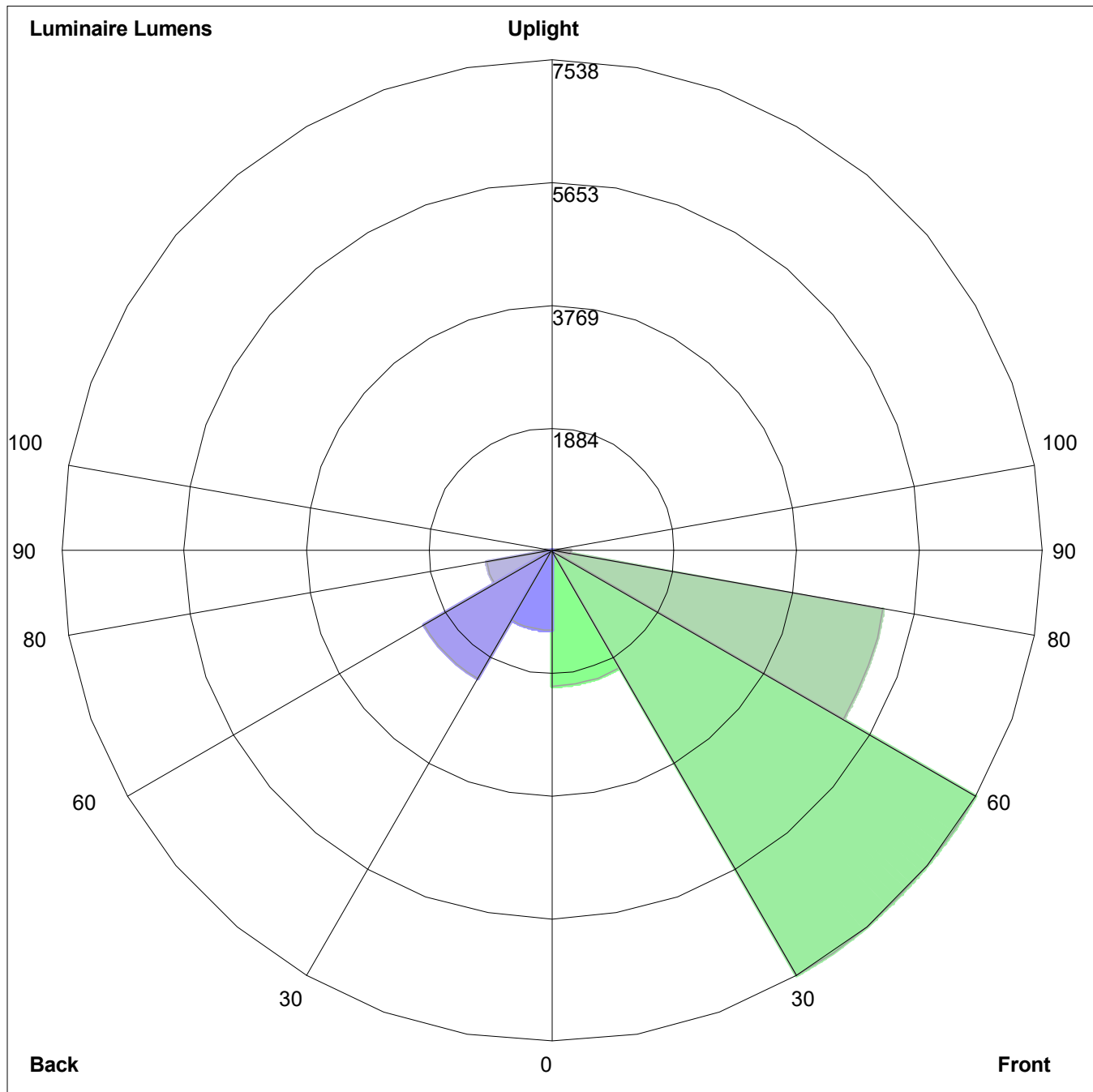
Maximum Candela = 10078.71 Located At Horizontal Angle = 315, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

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=2078.6, Medium=7537.5, High=5179.8, Very High=279.1  
Back: Low=1225.2, Medium=2262.3, High=1011.3, Very High=93.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3