



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 3 UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-C  
[ISSUEDATE] 2020-11-06 14:08  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK M MD 3 UV 850  
[LUMINAIRE] LED Medium Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 1.162 A  
[\_POWERFACTOR] 0.997  
[\_THD] 4.26  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.4 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

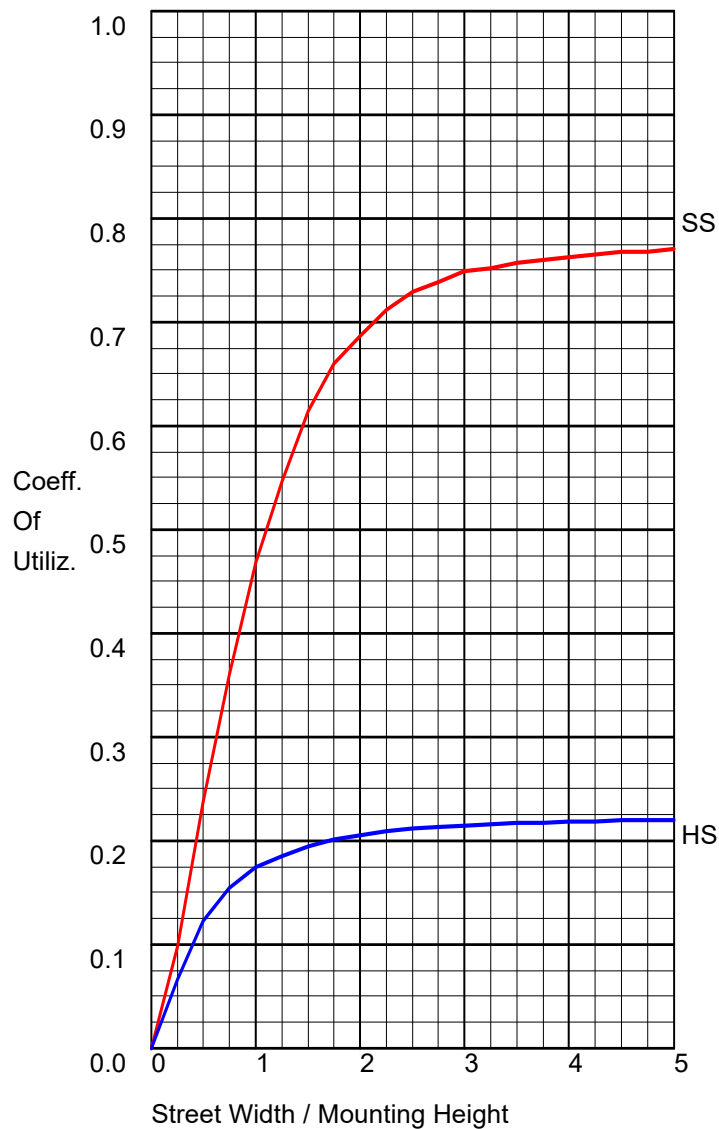
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	19899.96 (1 lamp)
Total Lamp Lumens	19899.96
Luminaire Lumens	19900
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	139.28
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9294.464
Maximum Candela Angle	292.5H 71V
Maximum Candela (<90 Degrees Vertical)	9294.464
Maximum Candela Angle (<90 Degrees Vertical)	292.5H 71V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4083.631 (20.5% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2219.4	11.2	11.2
FM - Front-Medium (30-60)	7678.1	38.6	38.6
FH - Front-High (60-80)	5169.7	26.0	26.0
FVH - Front-Very High (80-90)	424.6	2.1	2.1
BL - Back-Low (0-30)	1179.6	5.9	5.9
BM - Back-Medium (30-60)	2010.4	10.1	10.1
BH - Back-High (60-80)	1117.2	5.6	5.6
BVH - Back-Very High (80-90)	100.8	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	19899.8	100.0	100.0
BUG Rating	B3-U0-G3		

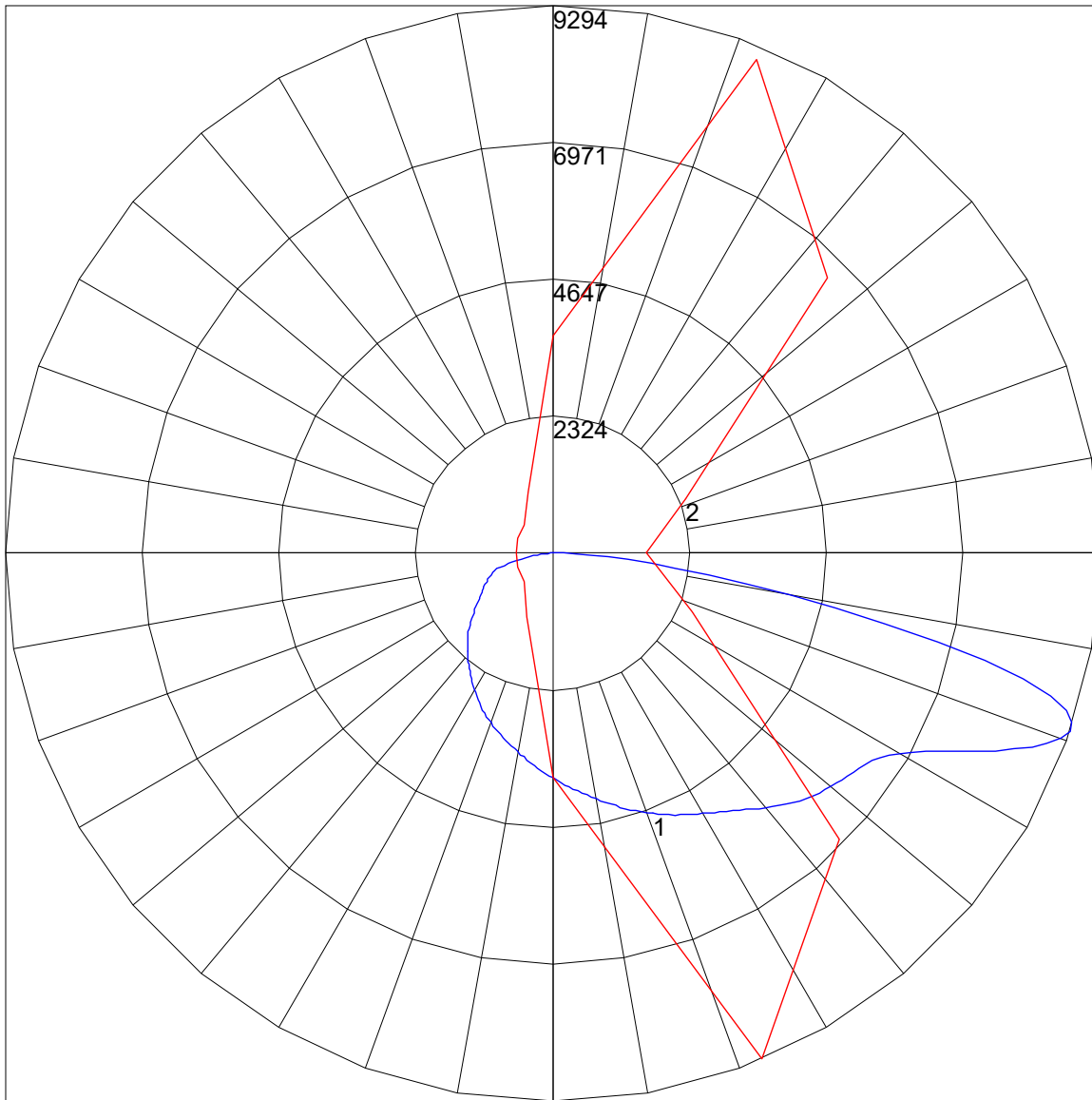
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

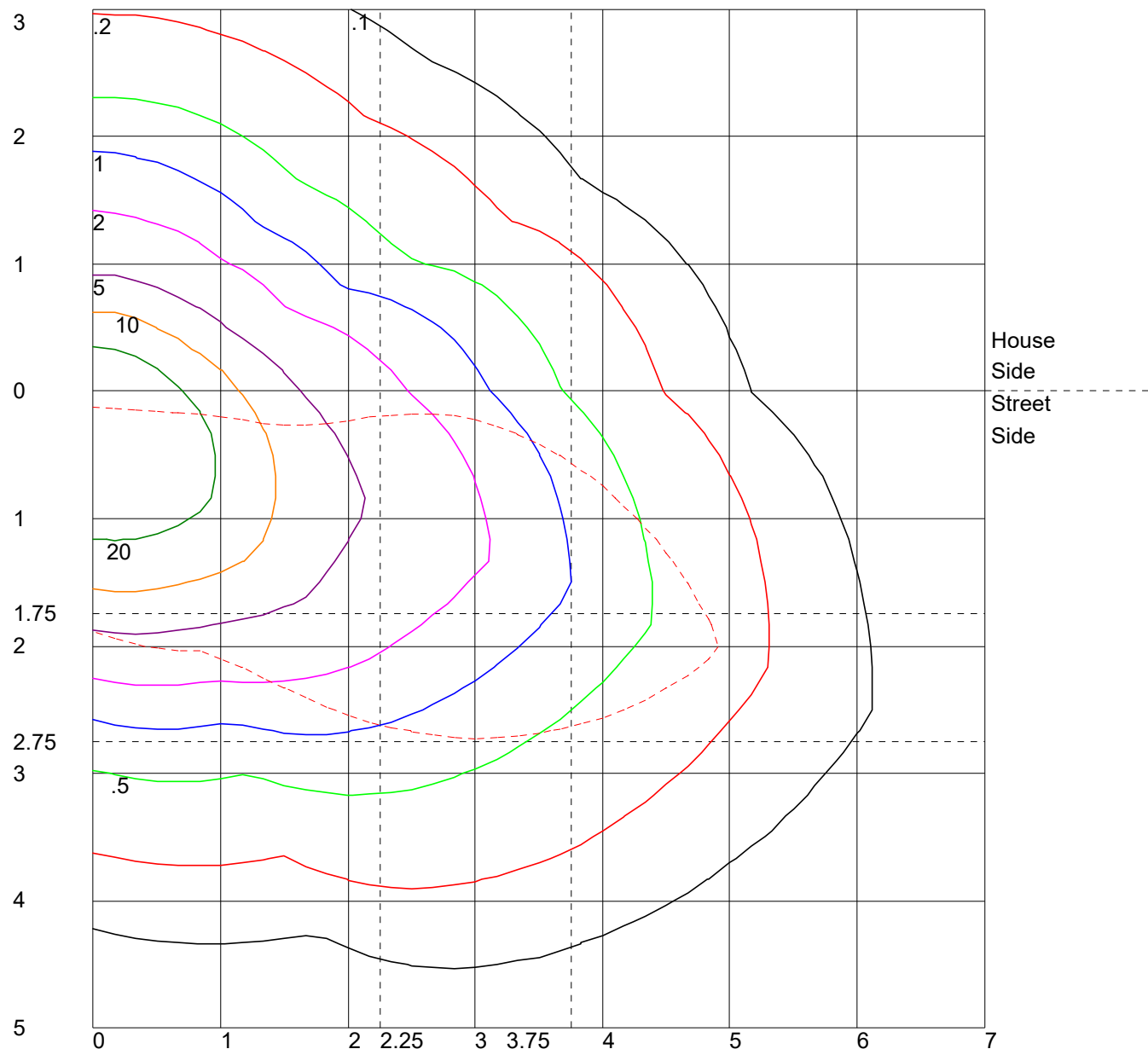
	Lumens	Percent Of Lamp
Downward Street Side	15491.8	77.8
Downward House Side	4408.2	22.2
Downward Total	19900.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19900.0	100.0

POLAR GRAPH

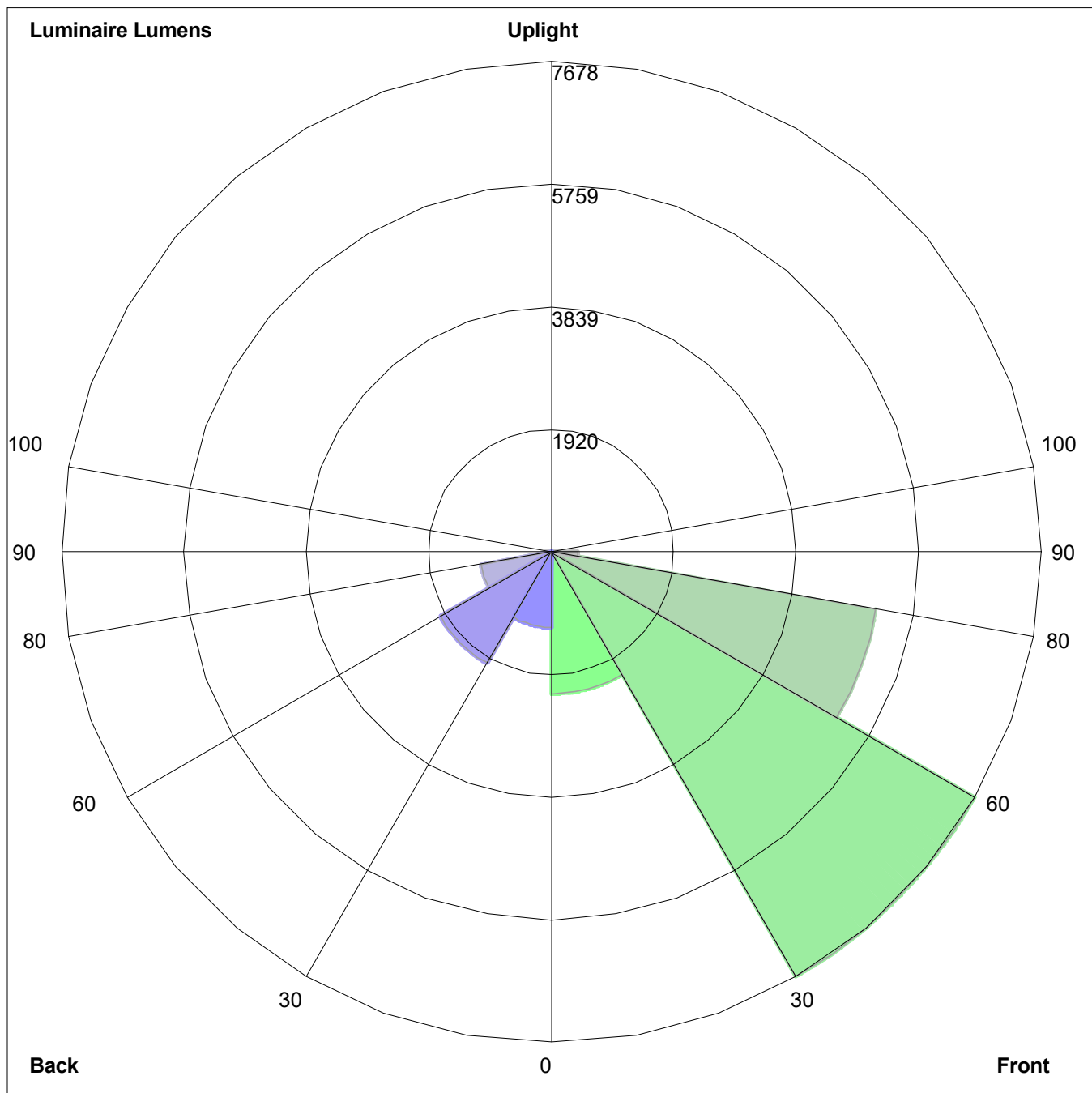


Maximum Candela = 9294.464 Located At Horizontal Angle = 292.5, Vertical Angle = 71  
# 1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2219.4, Medium=7678.1, High=5169.7, Very High=424.6  
Back: Low=1179.6, Medium=2010.4, High=1117.2, Very High=100.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3