



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 4 UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-C  
[ISSUEDATE] 2020-11-6 11:51  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK M MD 4 UV 850  
[LUMINAIRE] LED Medium Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 1.163 A  
[\_POWERFACTOR] 0.997  
[\_THD] 4.26  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.6 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

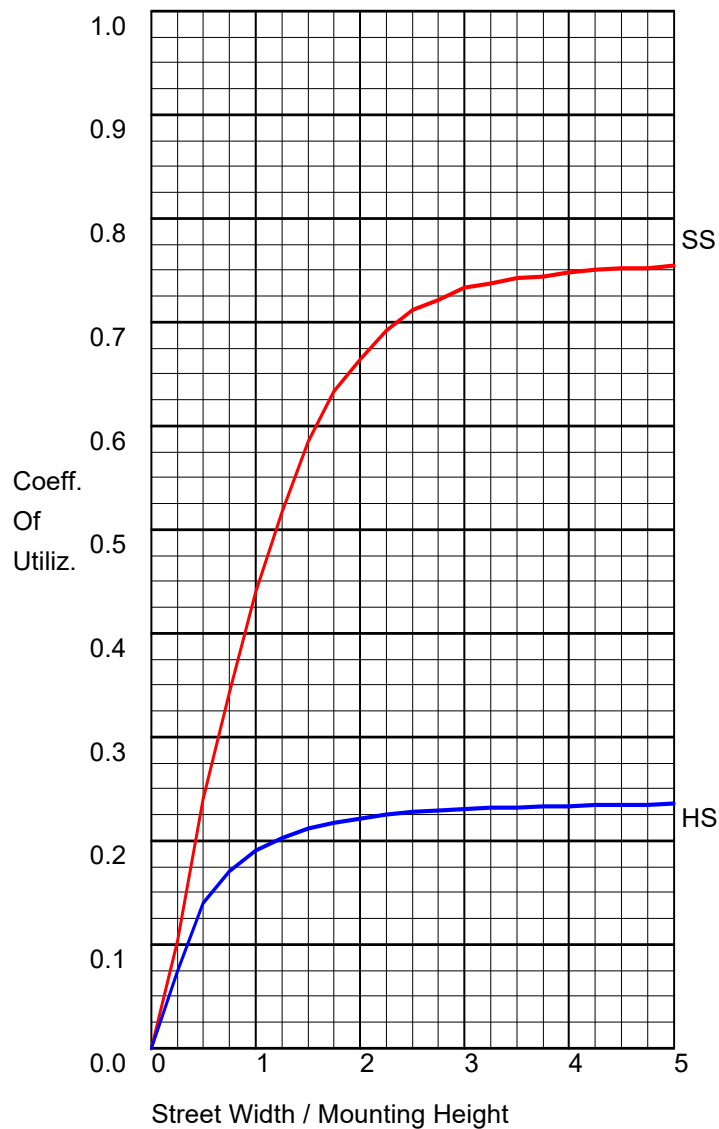
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	20182.56 (1 lamp)
Total Lamp Lumens	20182.56
Luminaire Lumens	20183
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	139.38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10349.189
Maximum Candela Angle	315H 68V
Maximum Candela (<90 Degrees Vertical)	10349.189
Maximum Candela Angle (<90 Degrees Vertical)	315H 68V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2431.618 (12.0% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : ALK M MD 4 UV 850.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2177.5	10.8	10.8
FM - Front-Medium (30-60)	7861.6	39.0	39.0
FH - Front-High (60-80)	5086.9	25.2	25.2
FVH - Front-Very High (80-90)	231.6	1.1	1.1
BL - Back-Low (0-30)	1289.8	6.4	6.4
BM - Back-Medium (30-60)	2371.8	11.8	11.8
BH - Back-High (60-80)	1055.5	5.2	5.2
BVH - Back-Very High (80-90)	107.9	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	20182.6	100.0	100.0
BUG Rating	B3-U0-G3		

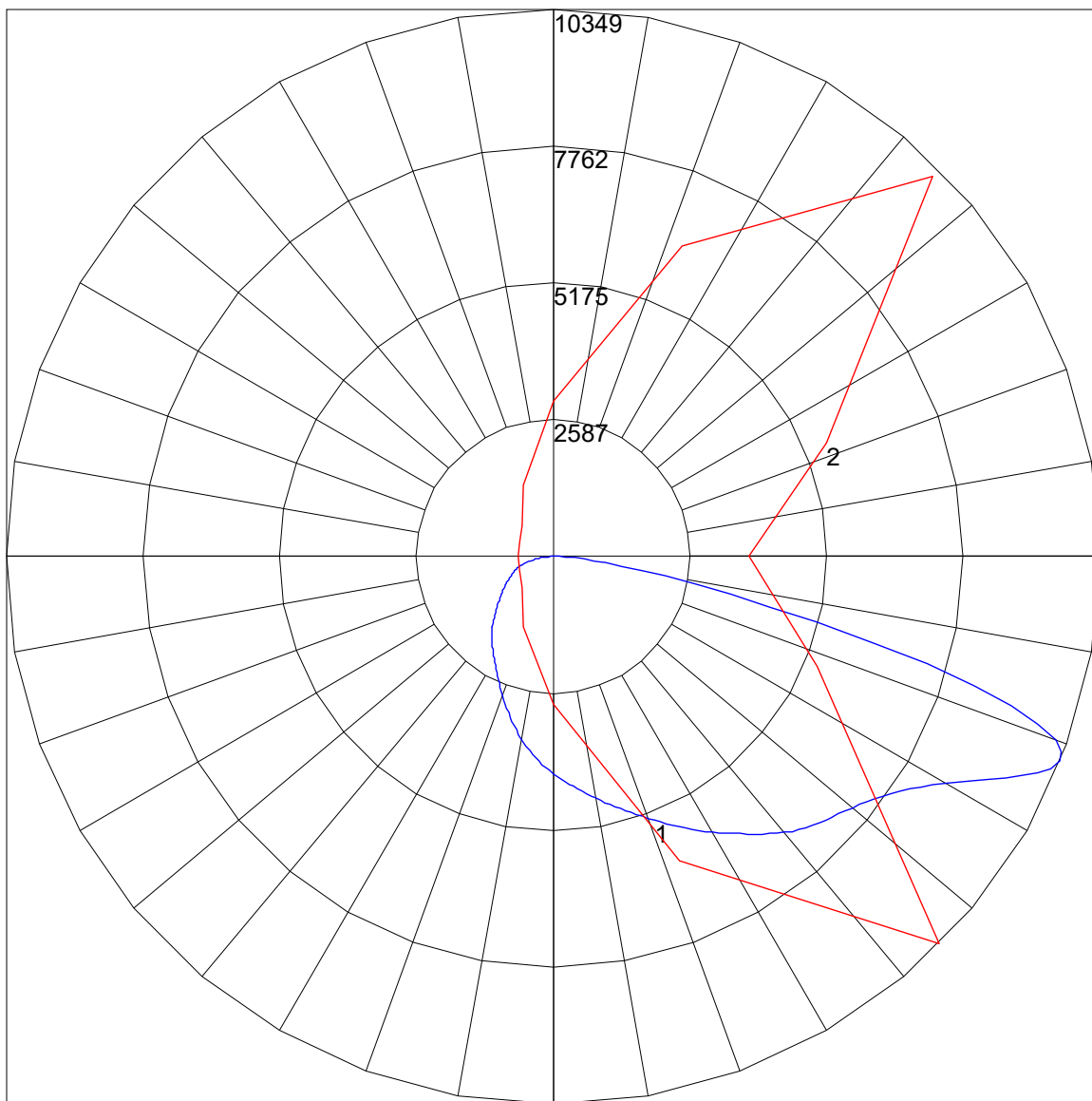
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

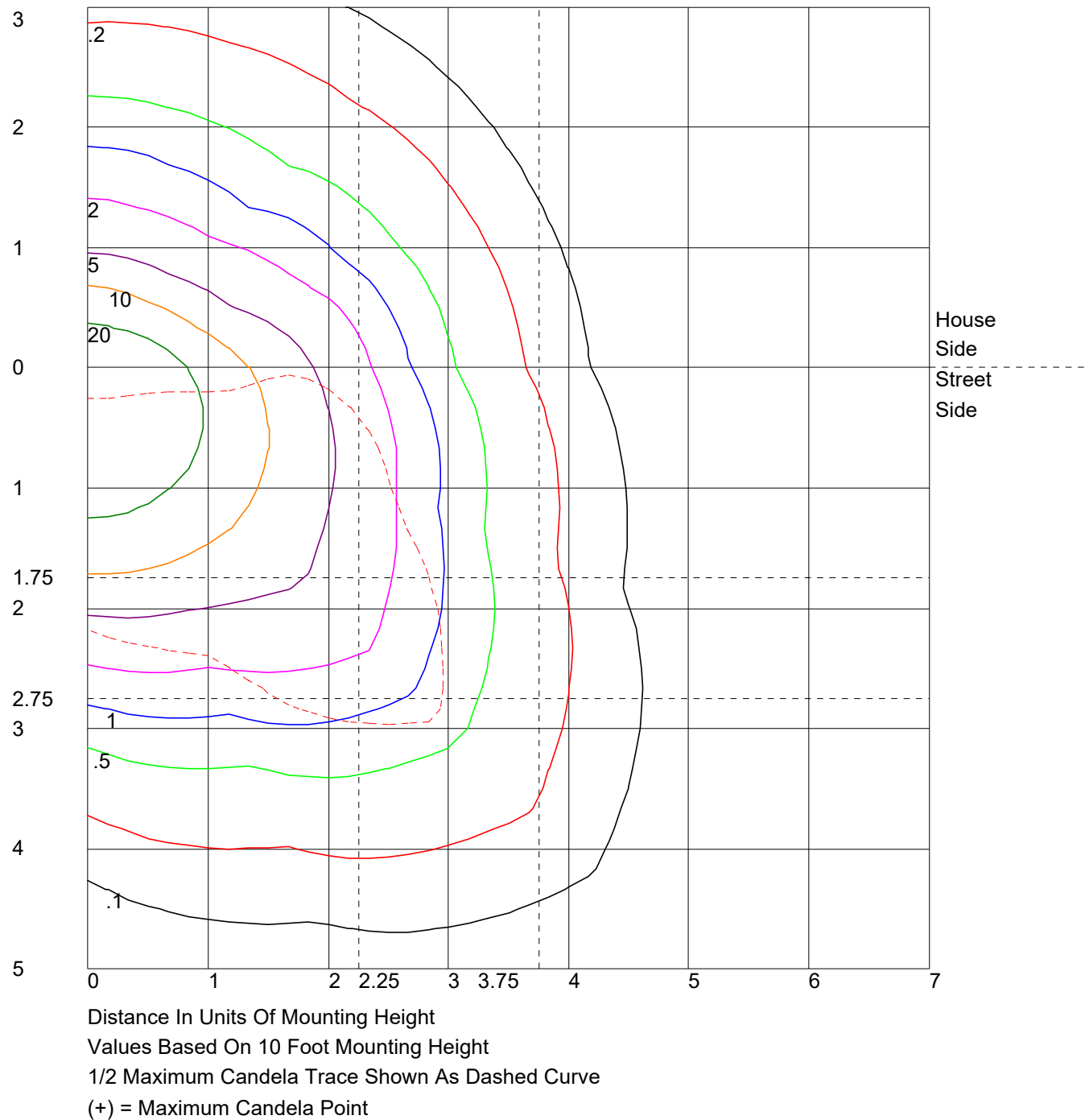
	Lumens	Percent Of Lamp
Downward Street Side	15357.5	76.1
Downward House Side	4825.1	23.9
Downward Total	20182.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20182.6	100.0

POLAR GRAPH

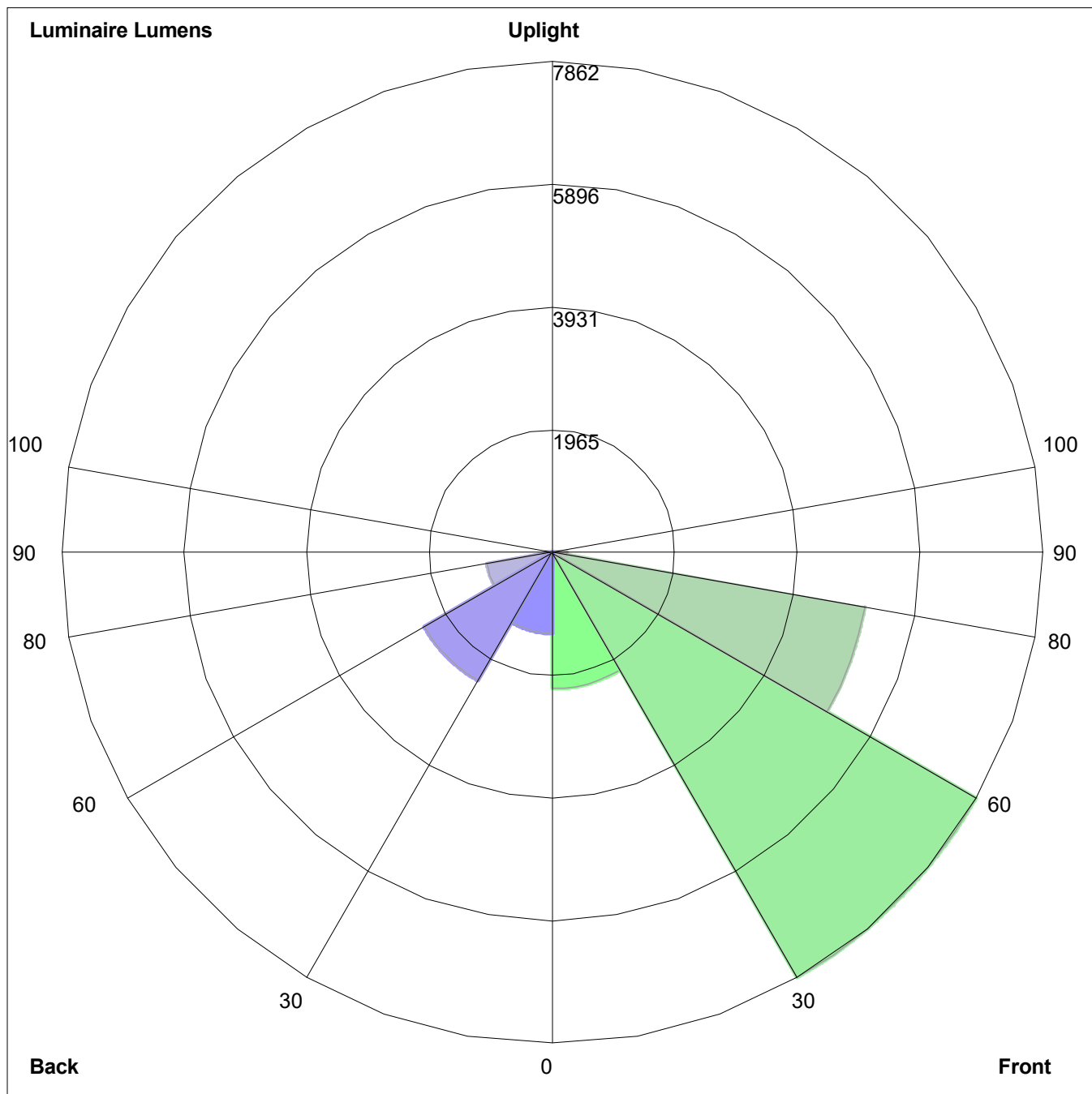


Maximum Candela = 10349.189 Located At Horizontal Angle = 315, Vertical Angle = 68  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2177.5, Medium=7861.6, High=5086.9, Very High=231.6  
Back: Low=1289.8, Medium=2371.8, High=1055.5, Very High=107.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3