



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S MD 2 UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2012022E-A  
[ISSUEDATE] 2020-12-15 08:52  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK S MD 2 UV 850  
[LUMINAIRE] LED Small Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 0.567 A  
[\_POWERFACTOR] 0.998  
[\_THD] 3.72  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.7 °C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

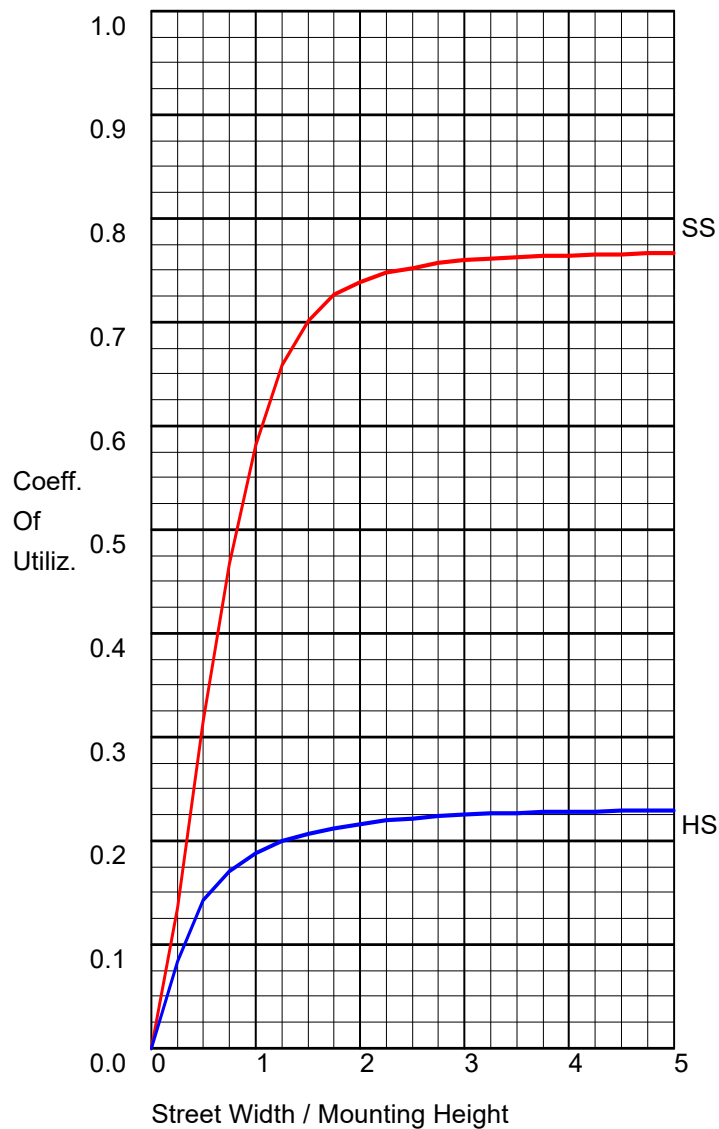
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	9681.944 (1 lamp)
Total Lamp Lumens	9681.944
Luminaire Lumens	9682
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	67.88
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4703.305
Maximum Candela Angle	285H 69V
Maximum Candela (<90 Degrees Vertical)	4703.305
Maximum Candela Angle (<90 Degrees Vertical)	285H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1697.318 (17.5% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1365.7	14.1	14.1
FM - Front-Medium (30-60)	4158.9	43.0	43.0
FH - Front-High (60-80)	1824.1	18.8	18.8
FVH - Front-Very High (80-90)	94.9	1.0	1.0
BL - Back-Low (0-30)	573.6	5.9	5.9
BM - Back-Medium (30-60)	1013.6	10.5	10.5
BH - Back-High (60-80)	609.2	6.3	6.3
BVH - Back-Very High (80-90)	41.9	0.4	0.4
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	9681.9	100.0	100.0
BUG Rating	B2-U0-G2		

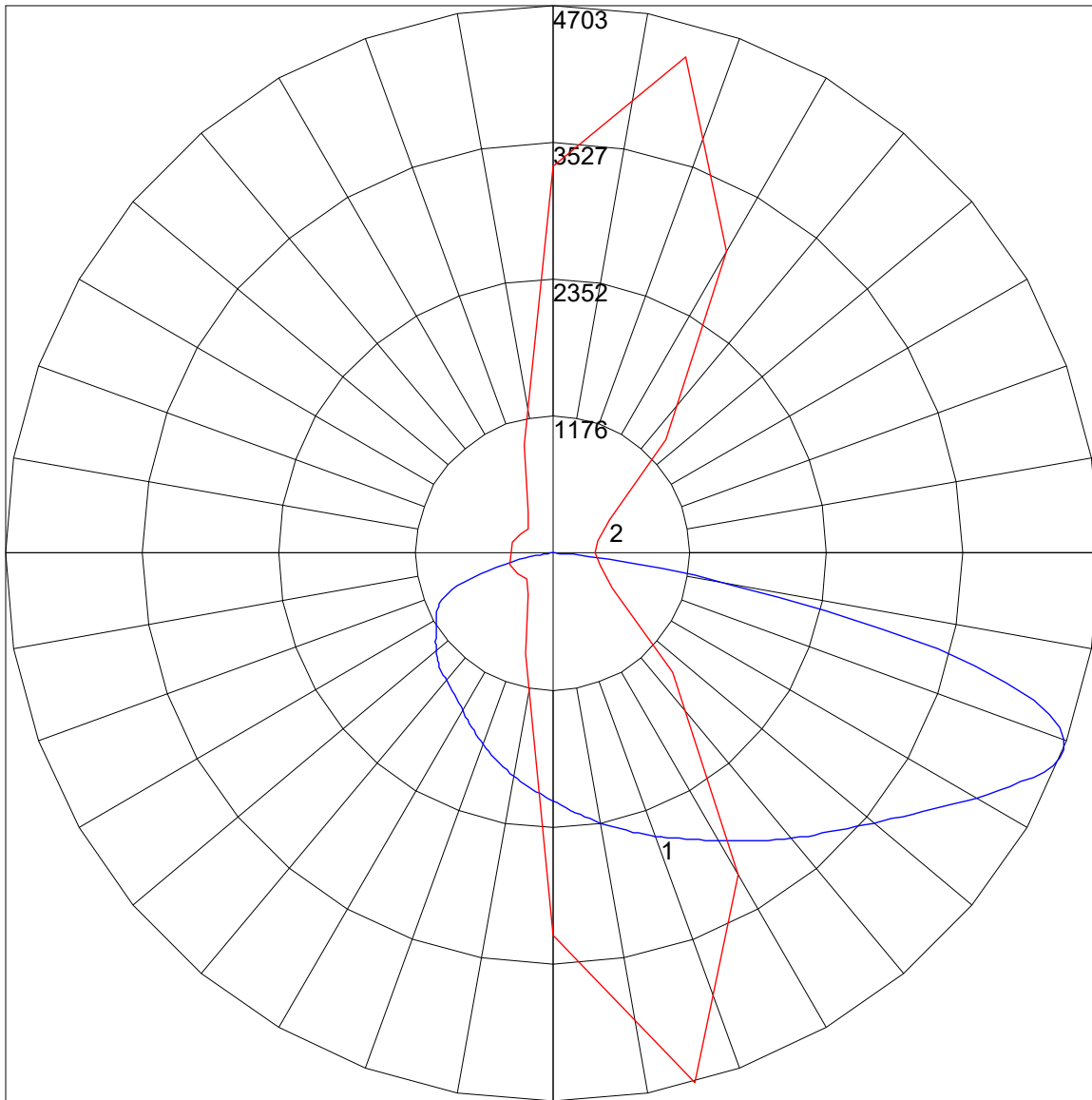
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

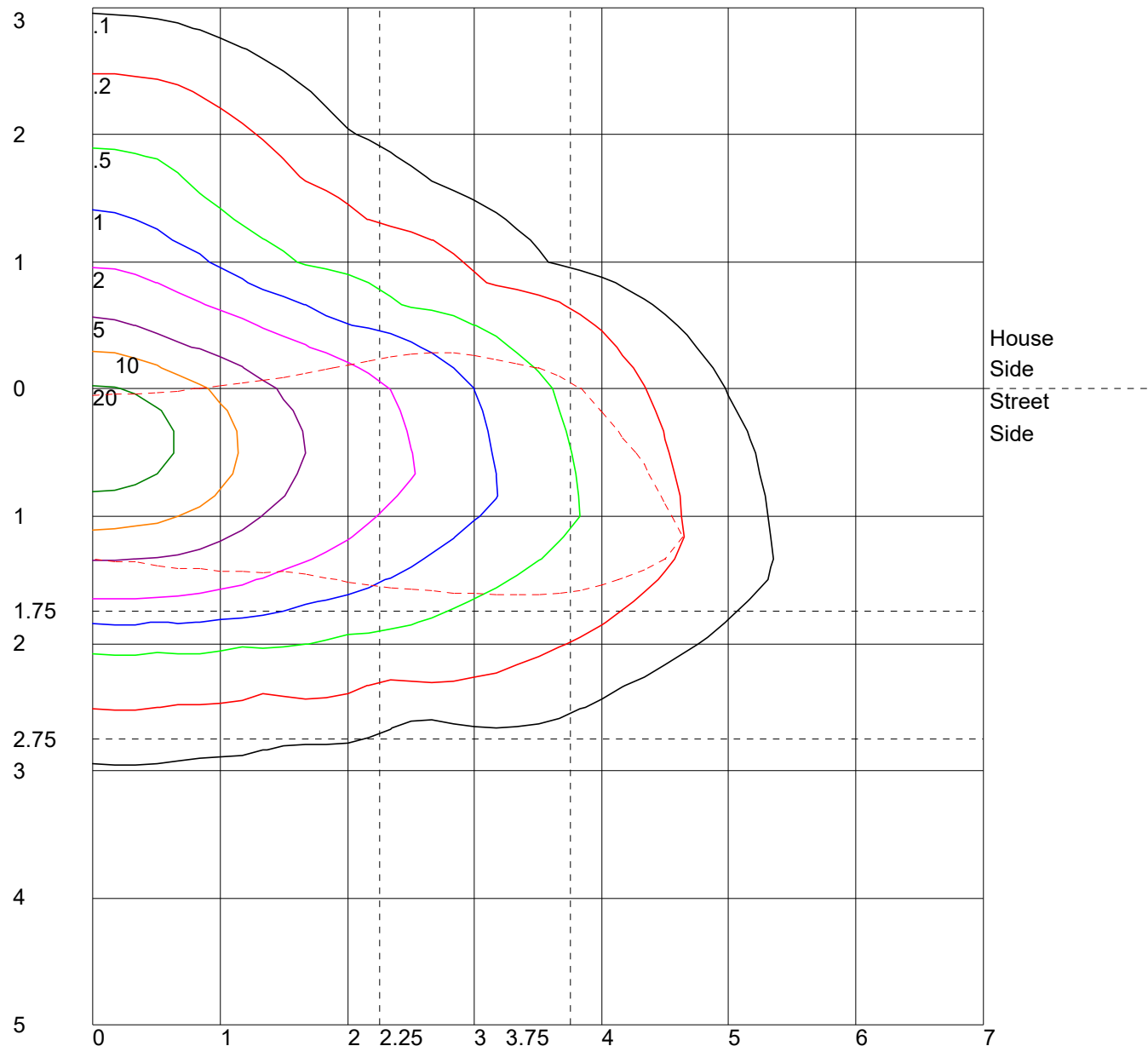
	Lumens	Percent Of Lamp
Downward Street Side	7443.6	76.9
Downward House Side	2238.3	23.1
Downward Total	9681.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9681.9	100.0

POLAR GRAPH



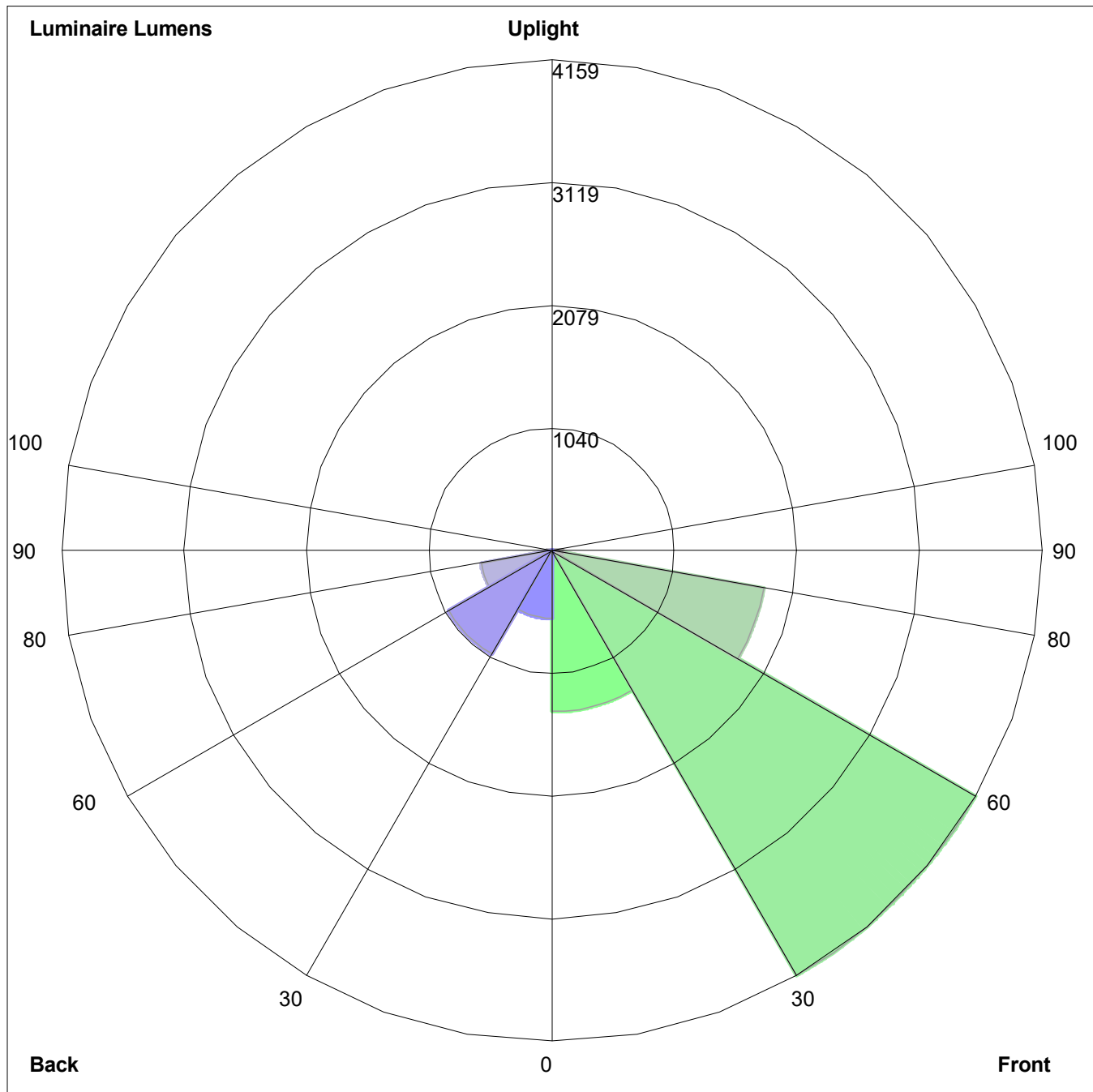
Maximum Candela = 4703.305 Located At Horizontal Angle = 285, Vertical Angle = 69  
# 1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

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=1365.7, Medium=4158.9, High=1824.1, Very High=94.9  
Back: Low=573.6, Medium=1013.6, High=609.2, Very High=41.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2