



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 5 UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022G-B  
[ISSUE DATE] 2020-11-7 16:06  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK S HI 5 UV 850  
[LUMINAIRE] LED Small Area Light  
[VOLTAGE] 120.0 V  
[CURRENT] 0.836 A  
[POWERFACTOR] 0.999  
[THD] 3.68  
[TESTLAB] Belling Test Laboratory Co., LTD  
[TESTINST] GPM-3000  
[TESTDIST] 14.040 m [K=1.0000]  
[TESTTEMPERATURE] 25.4 'C  
[TESTHUMIDITY]  
[TESTOPERATOR]

### CHARACTERISTICS

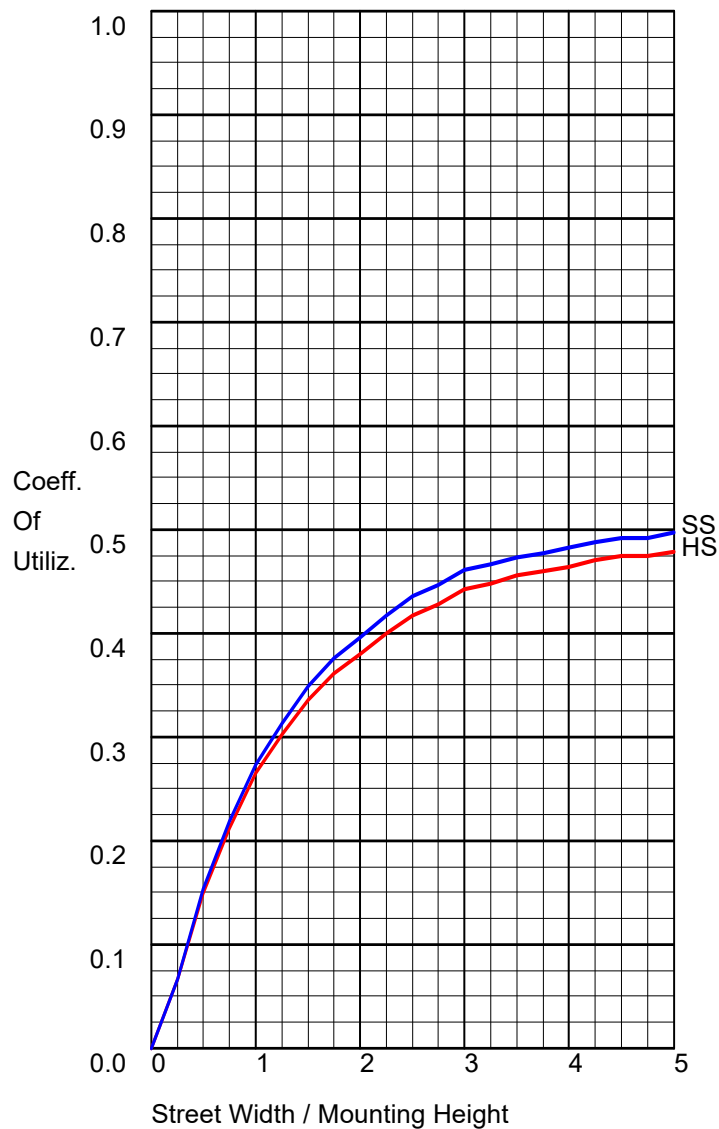
IES Classification	Type VS
Longitudinal Classification	Medium
Lumens Per Lamp	14208.86 (1 lamp)
Total Lamp Lumens	14208.86
Luminaire Lumens	14209
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	100.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3792.982
Maximum Candela Angle	225H 75V
Maximum Candela (<90 Degrees Vertical)	3792.982
Maximum Candela Angle (<90 Degrees Vertical)	225H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3181.702 (22.4% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	853.2	6.0	6.0
FM - Front-Medium (30-60)	2851.6	20.1	20.1
FH - Front-High (60-80)	2945.4	20.7	20.7
FVH - Front-Very High (80-90)	340.0	2.4	2.4
BL - Back-Low (0-30)	877.7	6.2	6.2
BM - Back-Medium (30-60)	2997.7	21.1	21.1
BH - Back-High (60-80)	3036.5	21.4	21.4
BVH - Back-Very High (80-90)	306.9	2.2	2.2
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	14209.0	100.1	100.0
BUG Rating	B4-U0-G3		

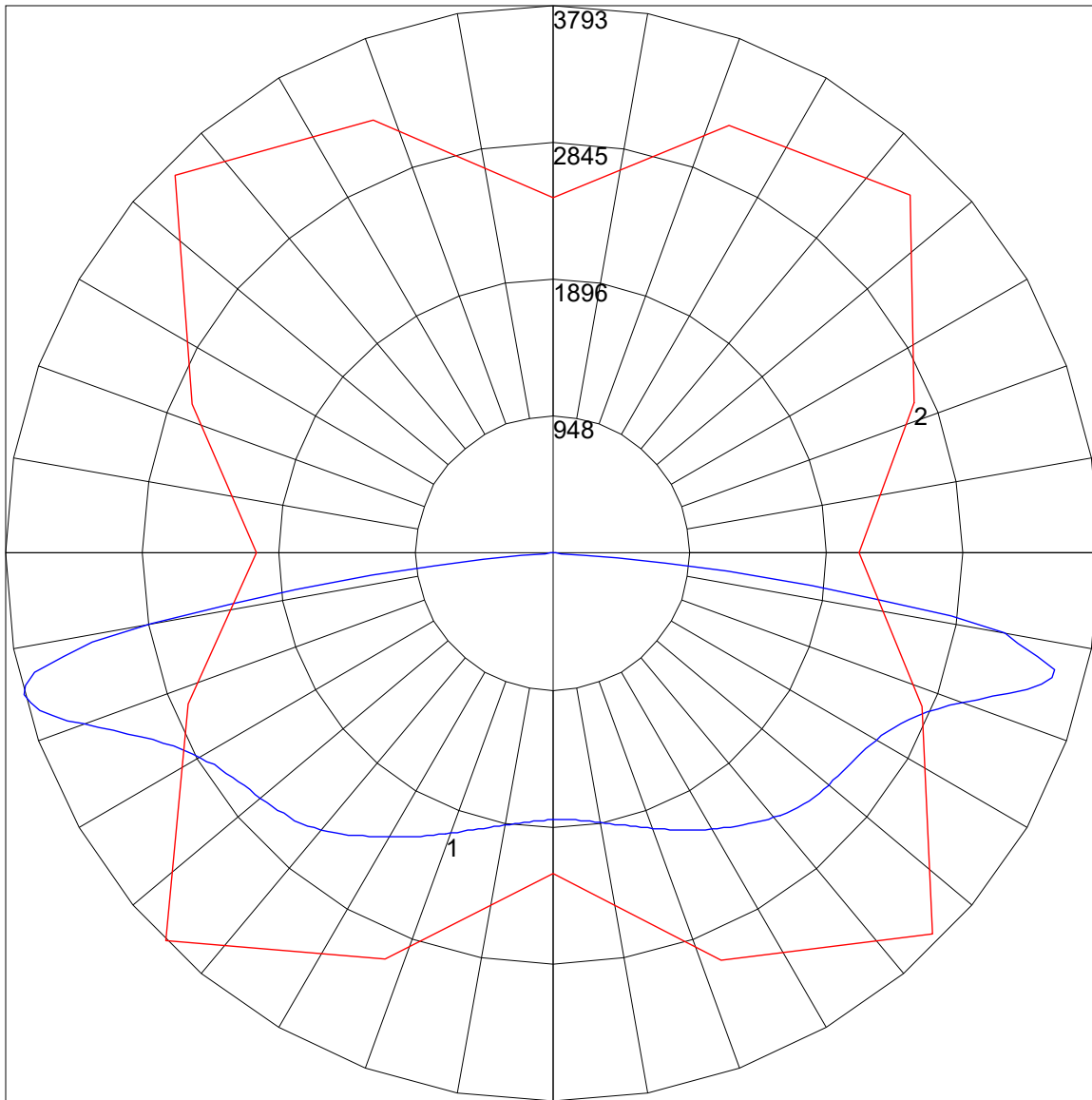
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

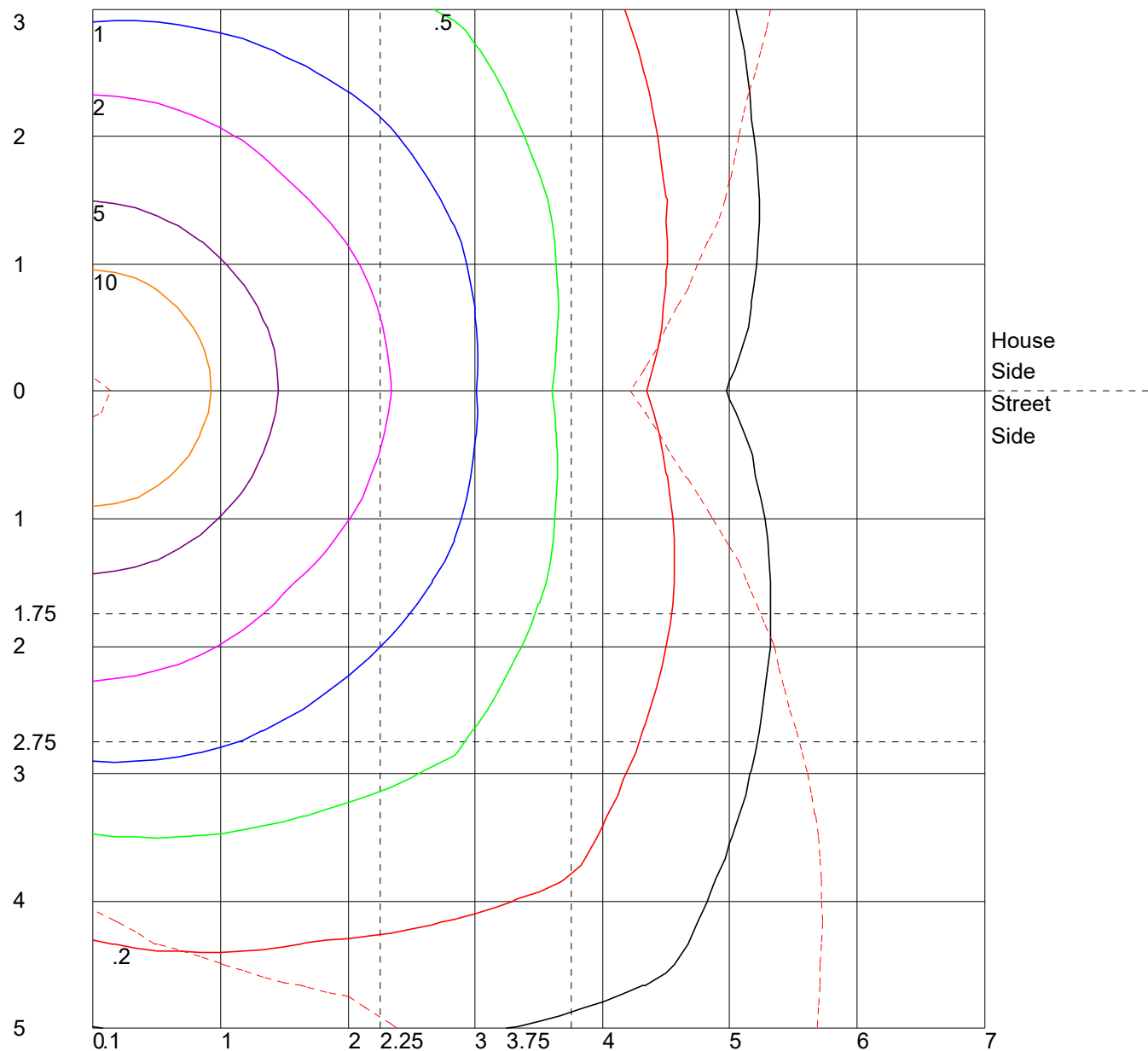
	Lumens	Percent Of Lamp
Downward Street Side	6990.1	49.2
Downward House Side	7218.7	50.8
Downward Total	14208.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14208.8	100.0

POLAR GRAPH



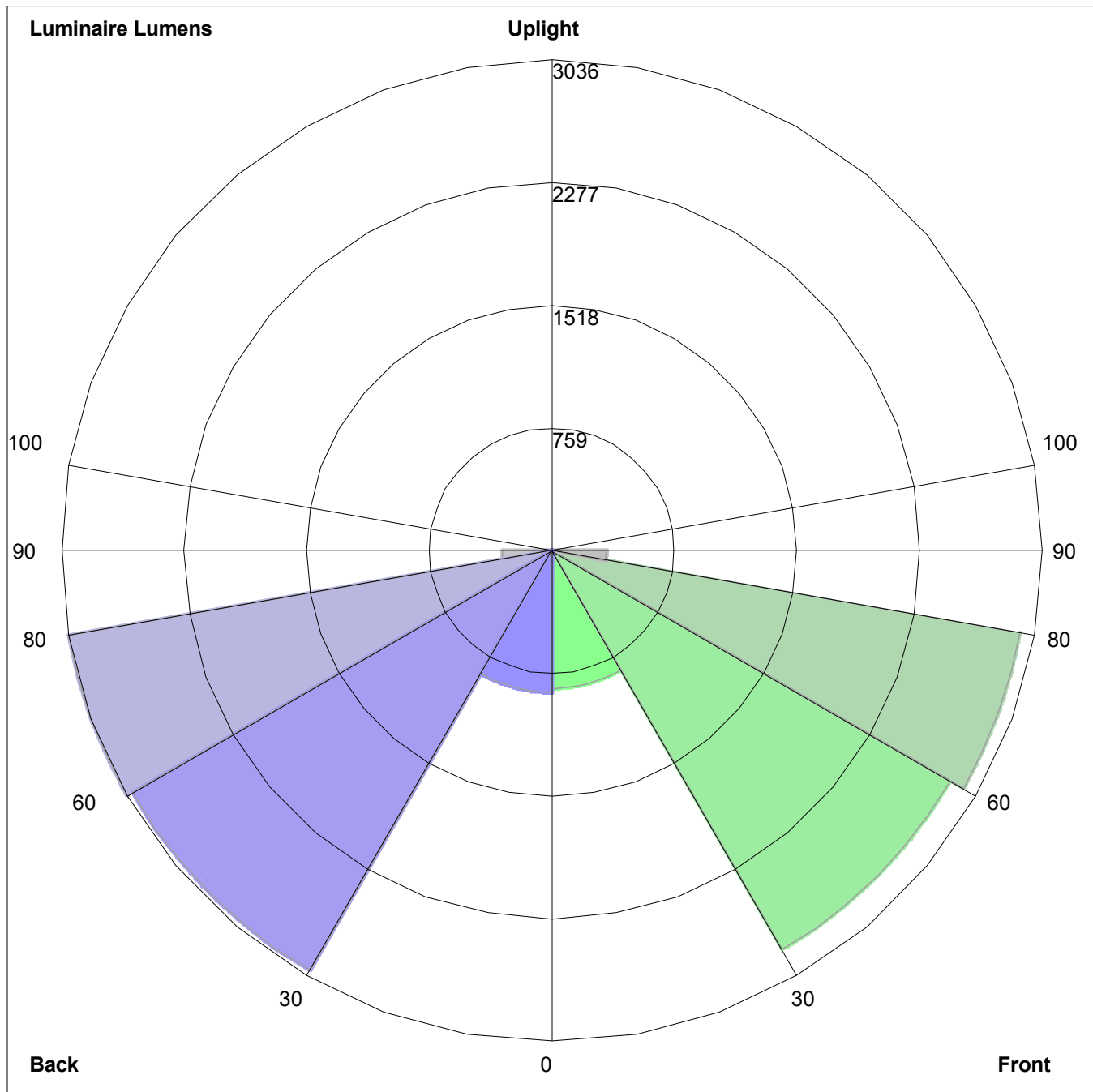
Maximum Candela = 3792.982 Located At Horizontal Angle = 225, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

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=853.2, Medium=2851.6, High=2945.4, Very High=340.0  
Back: Low=877.7, Medium=2997.7, High=3036.5, Very High=306.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G3