



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 5 UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022G-B  
[ISSUEDATE] 2020-11-7 16:06  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK S HI 5 UV 840  
[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

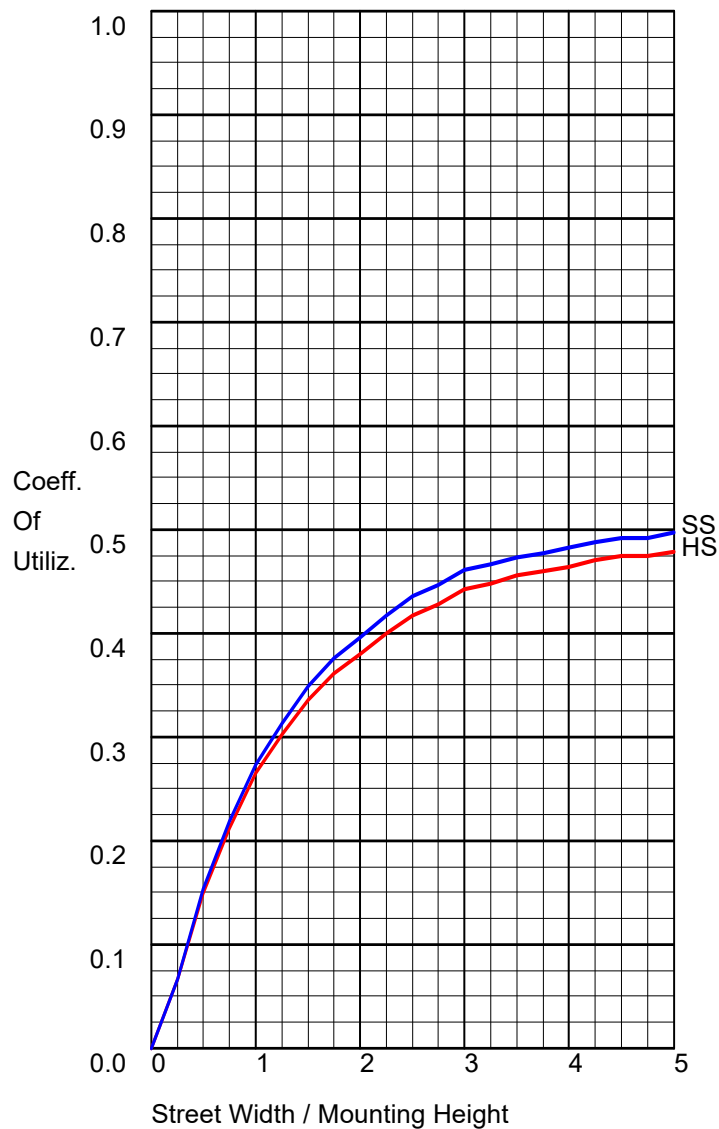
IES Classification	Type VS
Longitudinal Classification	Medium
Lumens Per Lamp	13862.3 (1 lamp)
Total Lamp Lumens	13862.3
Luminaire Lumens	13862
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	100.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3700.47
Maximum Candela Angle	225H 75V
Maximum Candela (<90 Degrees Vertical)	3700.47
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	3104.1 (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)	832.4	6.0	6.0
FM - Front-Medium (30-60)	2782.1	20.1	20.1
FH - Front-High (60-80)	2873.5	20.7	20.7
FVH - Front-Very High (80-90)	331.7	2.4	2.4
BL - Back-Low (0-30)	856.2	6.2	6.2
BM - Back-Medium (30-60)	2924.6	21.1	21.1
BH - Back-High (60-80)	2962.4	21.4	21.4
BVH - Back-Very High (80-90)	299.4	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	13862.3	100.1	100.0
BUG Rating	B4-U0-G3		

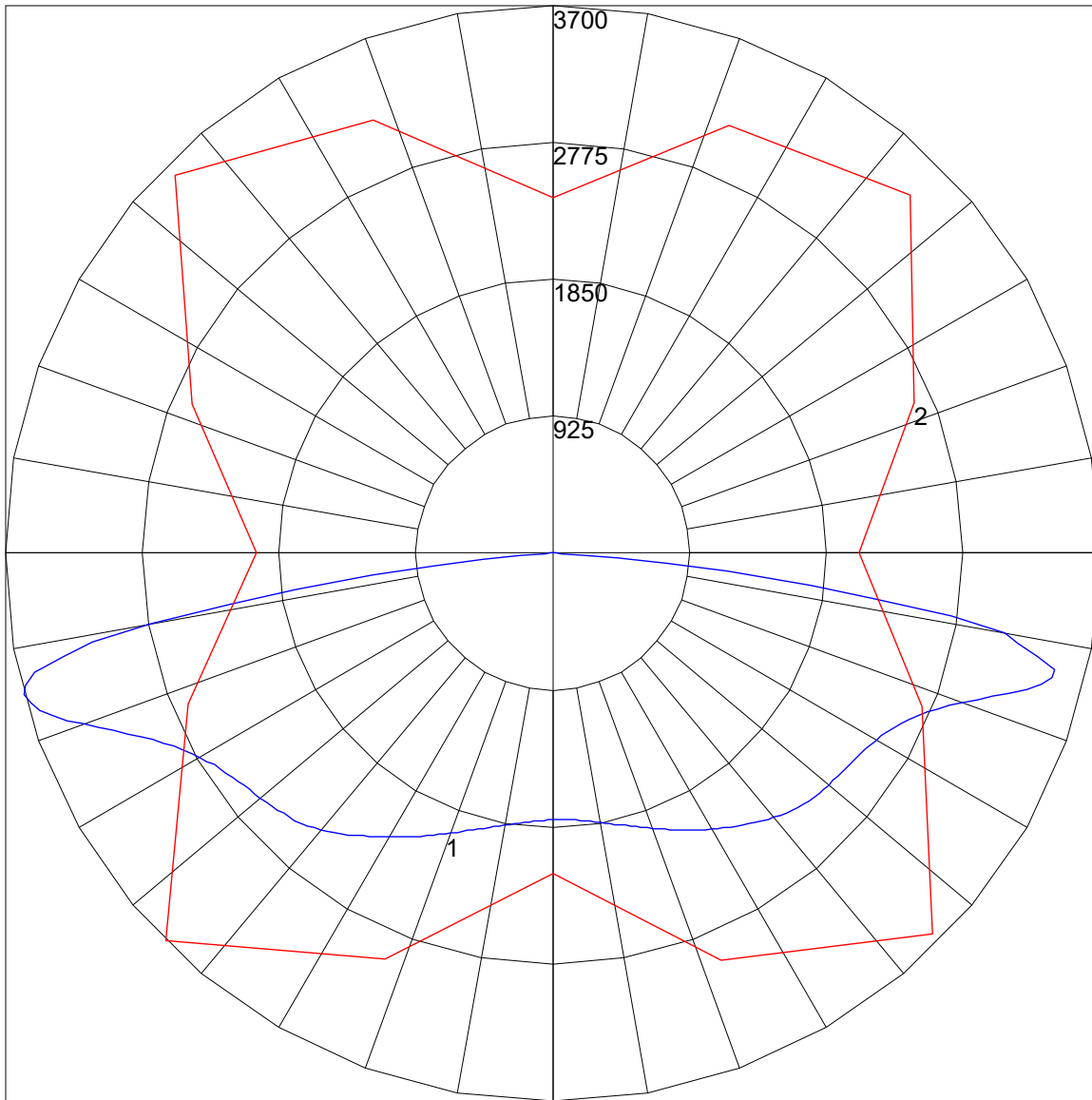
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

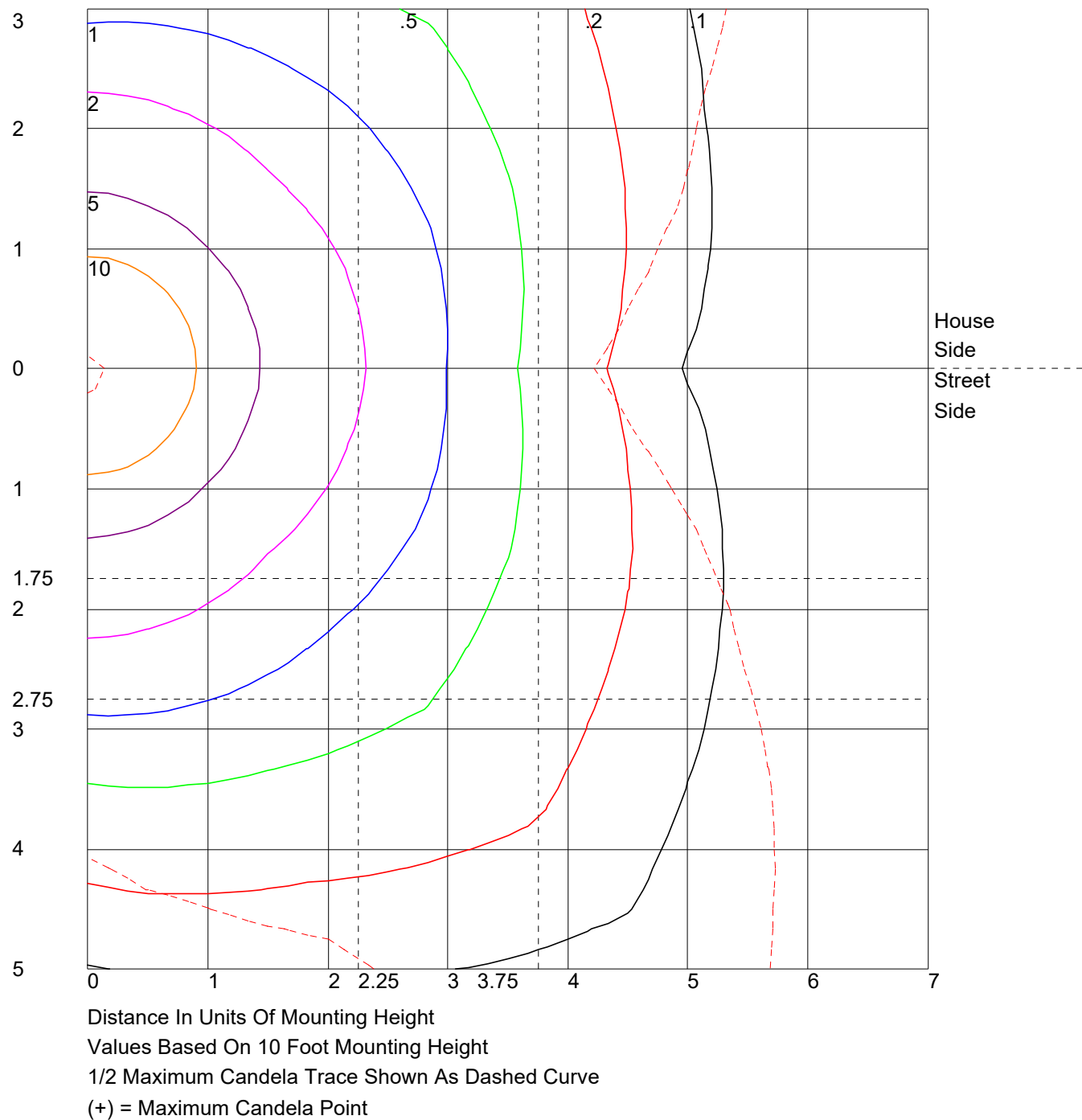
	Lumens	Percent Of Lamp
Downward Street Side	6819.7	49.2
Downward House Side	7042.6	50.8
Downward Total	13862.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13862.3	100.0

POLAR GRAPH

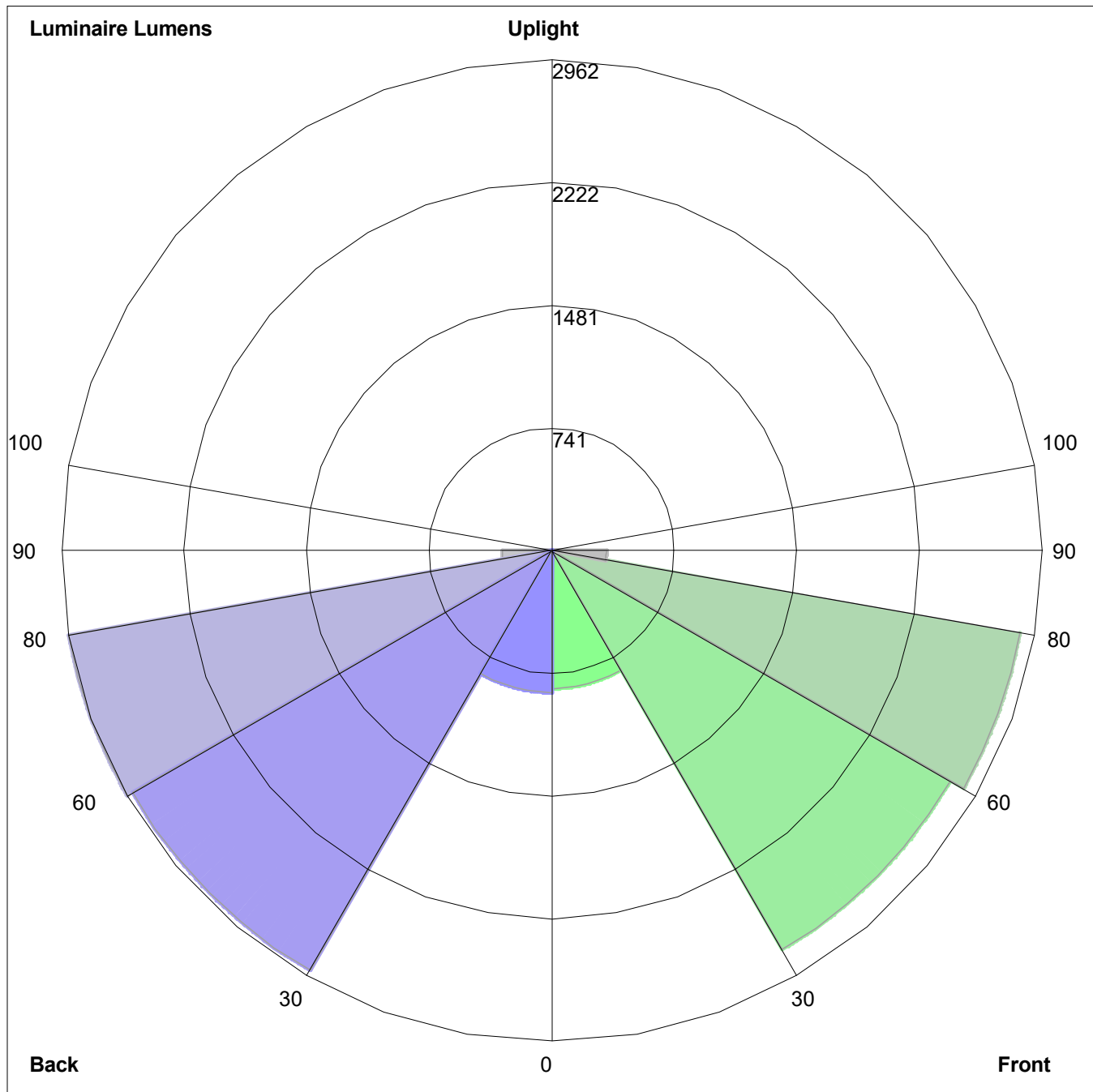


Maximum Candela = 3700.47 Located At Horizontal Angle = 225, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=832.4, Medium=2782.1, High=2873.5, Very High=331.7  
Back: Low=856.2, Medium=2924.6, High=2962.4, Very High=299.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G3