



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 4 HV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-H  
[ISSUEDATE] 2020-11-6 09:05  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK L HI 4 HV 850  
[LUMINAIRE] LED Large Area Light  
[\_VOLTAGE] 480.0 V  
[\_CURRENT] 0.656 A  
[\_POWERFACTOR] 0.900  
[\_THD] 15.98  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.5 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

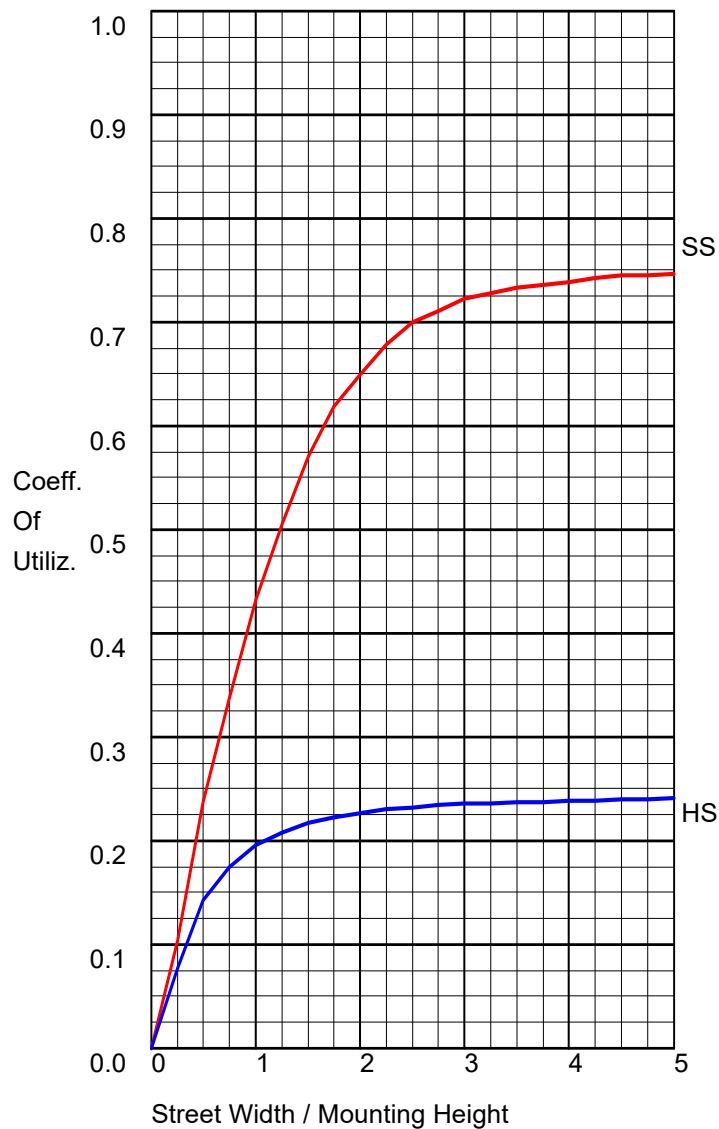
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	41195.98 (1 lamp)
Total Lamp Lumens	41195.98
Luminaire Lumens	41196
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	283.49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21136.935
Maximum Candela Angle	45H 68V
Maximum Candela (<90 Degrees Vertical)	21136.935
Maximum Candela Angle (<90 Degrees Vertical)	45H 68V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5973.813 (14.5% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	4483.5	10.9	10.9
FM - Front-Medium (30-60)	15560.8	37.8	37.8
FH - Front-High (60-80)	10505.1	25.5	25.5
FVH - Front-Very High (80-90)	575.5	1.4	1.4
BL - Back-Low (0-30)	2748.6	6.7	6.7
BM - Back-Medium (30-60)	4986.3	12.1	12.1
BH - Back-High (60-80)	2103.9	5.1	5.1
BVH - Back-Very High (80-90)	232.2	0.6	0.6
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	41196.0	100.1	100.0
BUG Rating	B4-U0-G4		

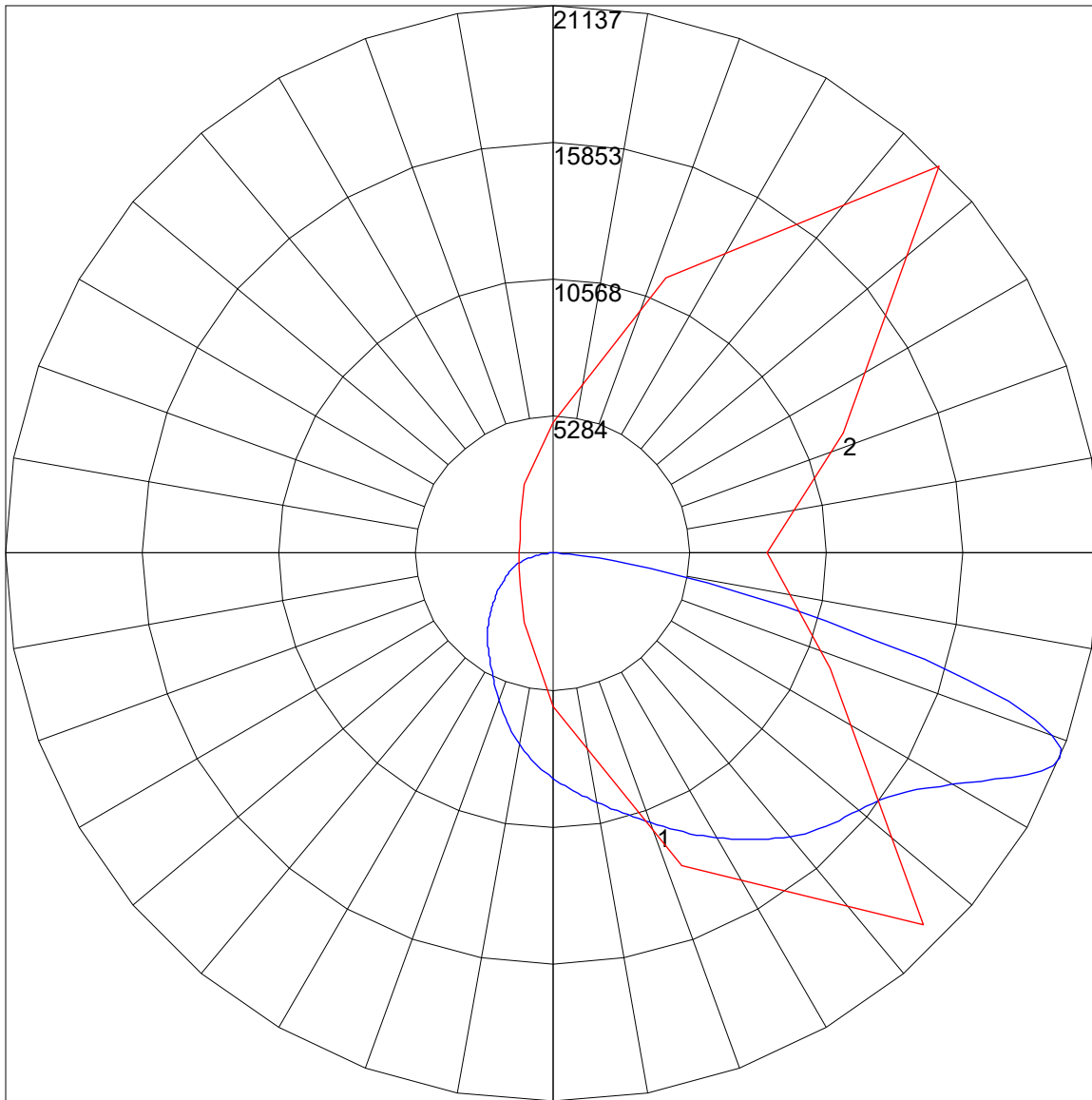
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

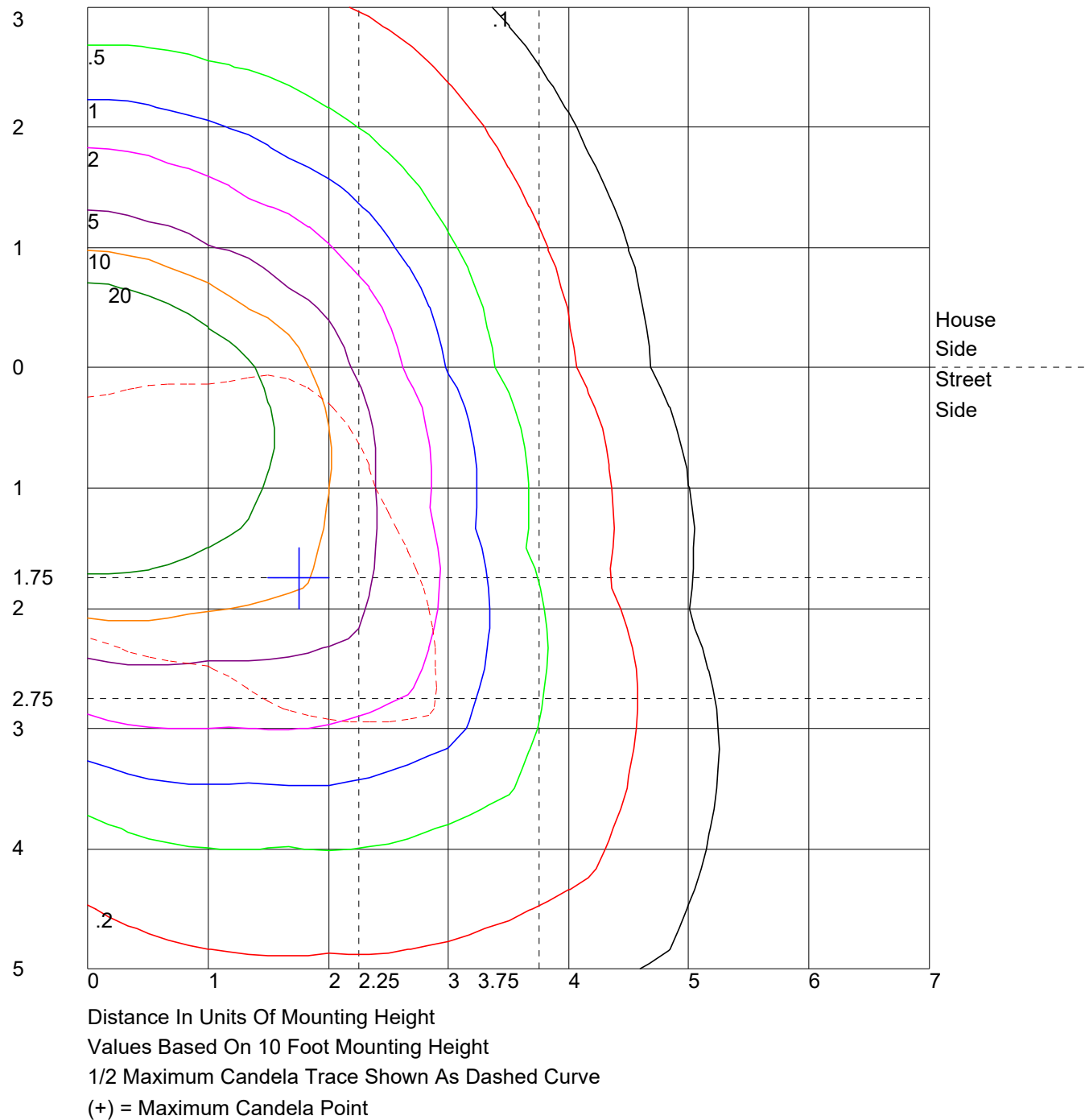
	Lumens	Percent Of Lamp
Downward Street Side	31124.9	75.6
Downward House Side	10071.0	24.4
Downward Total	41196.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41196.0	100.0

POLAR GRAPH

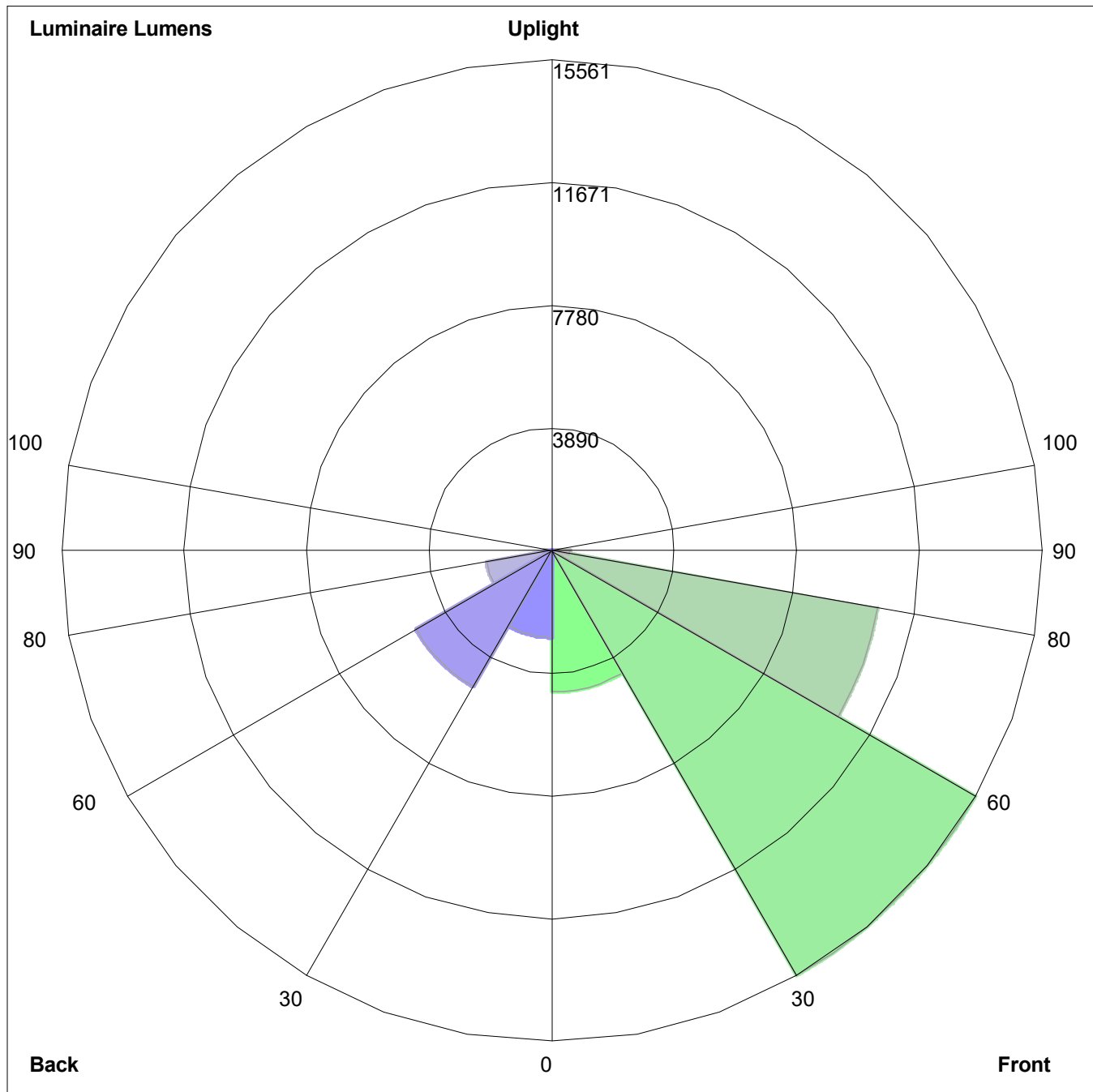


Maximum Candela = 21136.935 Located At Horizontal Angle = 45, Vertical Angle = 68  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=4483.5, Medium=15560.8, High=10505.1, Very High=575.5  
Back: Low=2748.6, Medium=4986.3, High=2103.9, Very High=232.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4