



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 3 HV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]  
[ISSUEDATE] 2020-10-28 09:43  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK L HI 3 HV 840  
[LUMINAIRE] LED Large Area Light  
[\_VOLTAGE] 480.0 V  
[\_CURRENT] 0.656 A  
[\_POWERFACTOR] 0.901  
[TESTLAB]  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.4 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

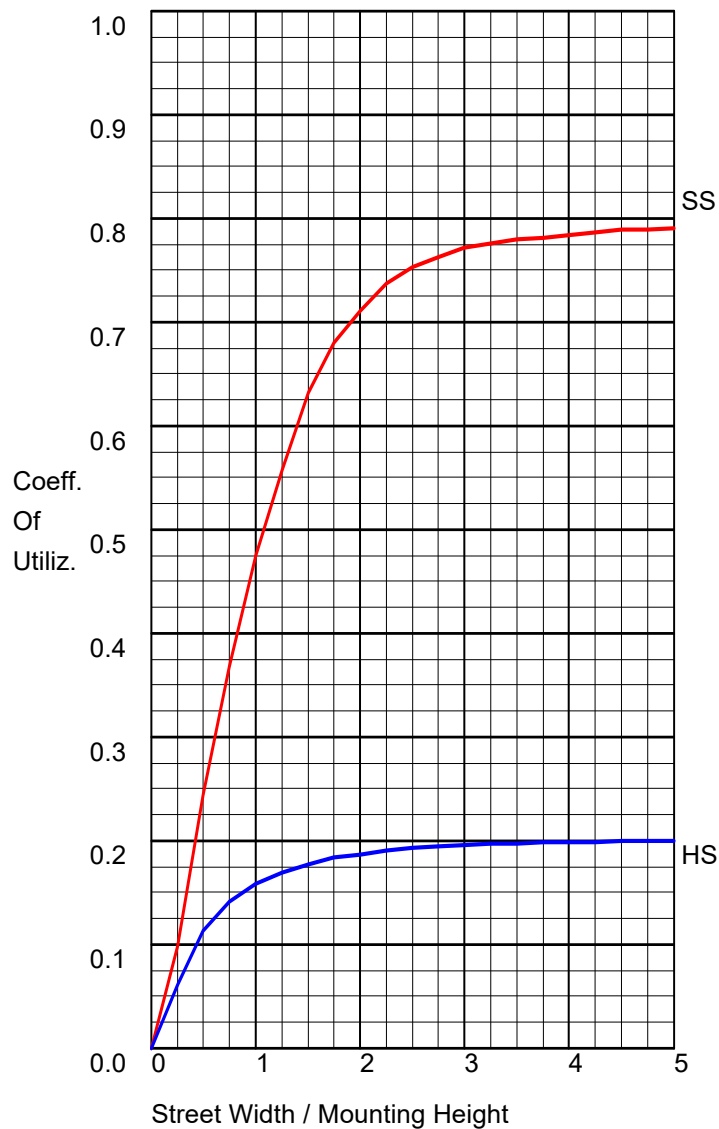
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	40079.2 (1 lamp)
Total Lamp Lumens	40079.2
Luminaire Lumens	40079
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	283.64
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	22453.529
Maximum Candela Angle	292.5H 71V
Maximum Candela (<90 Degrees Vertical)	22453.529
Maximum Candela Angle (<90 Degrees Vertical)	292.5H 71V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6549.44 (16.3% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	4490.5	11.2	11.2
FM - Front-Medium (30-60)	15774.6	39.4	39.4
FH - Front-High (60-80)	11067.8	27.6	27.6
FVH - Front-Very High (80-90)	675.7	1.7	1.7
BL - Back-Low (0-30)	2197.8	5.5	5.5
BM - Back-Medium (30-60)	3724.4	9.3	9.3
BH - Back-High (60-80)	1998.0	5.0	5.0
BVH - Back-Very High (80-90)	150.3	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	40079.1	100.1	100.0
BUG Rating	B3-U0-G4		

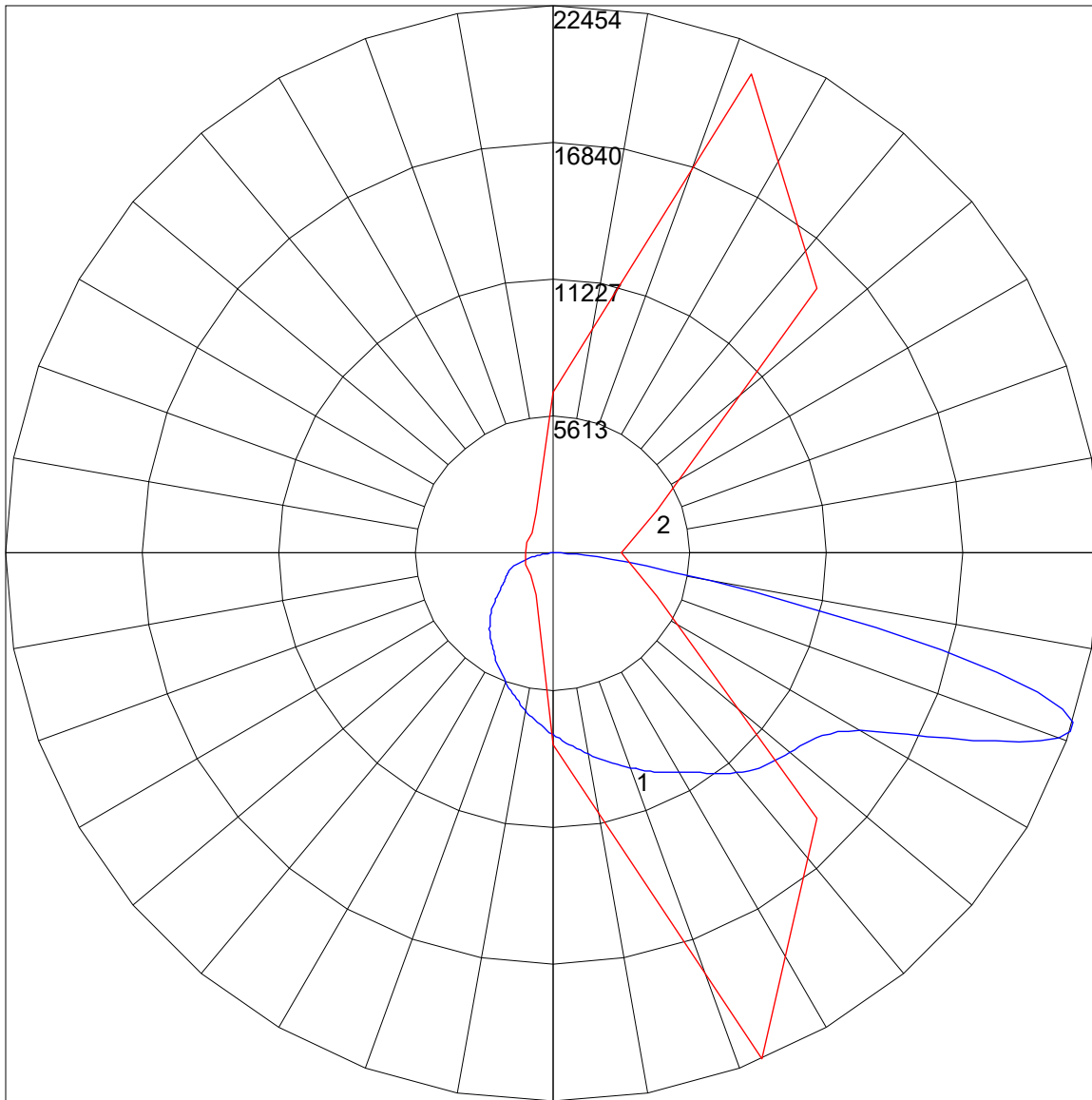
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

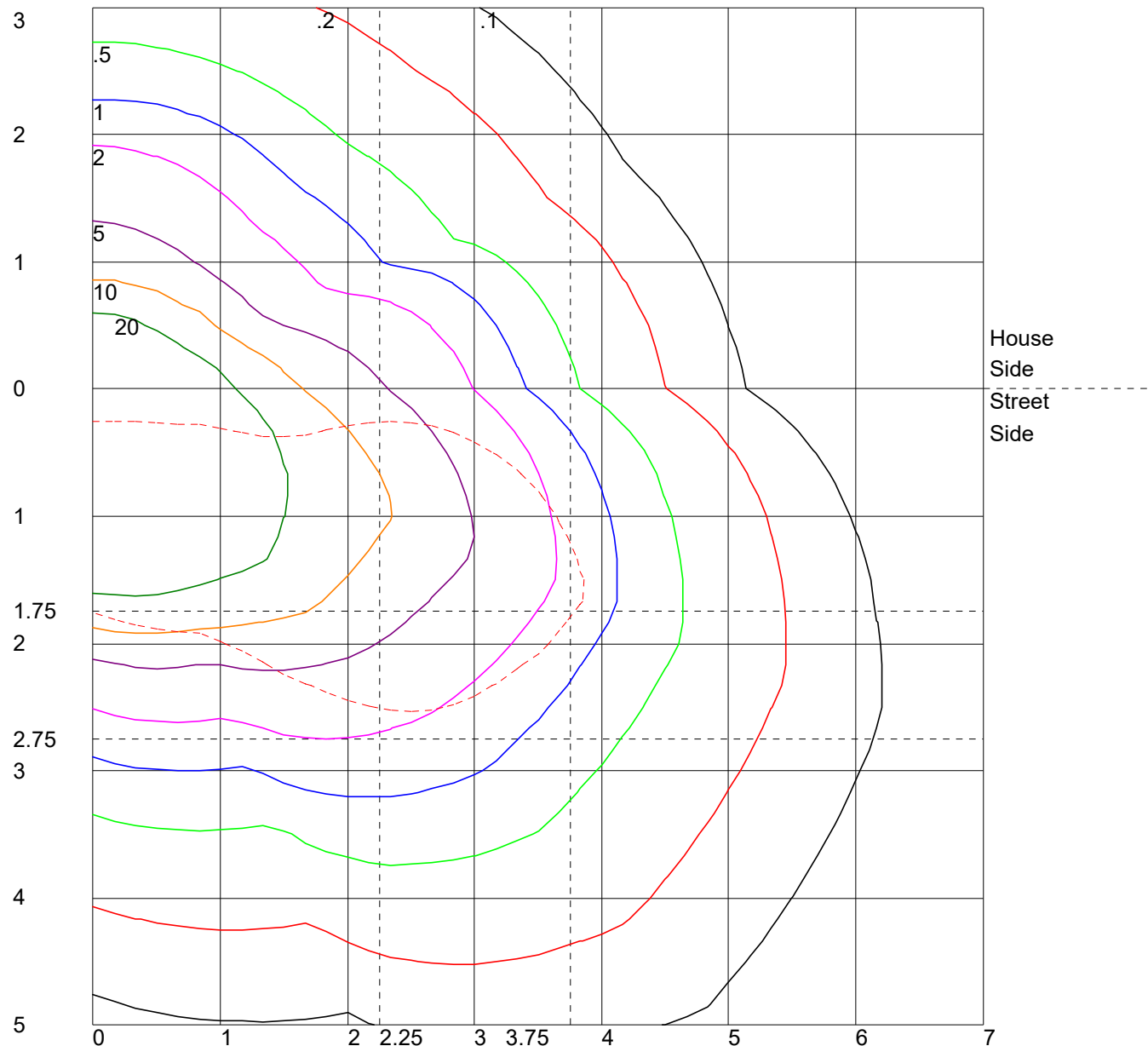
	Lumens	Percent Of Lamp
Downward Street Side	32008.7	79.9
Downward House Side	8070.6	20.1
Downward Total	40079.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	40079.3	100.0

POLAR GRAPH



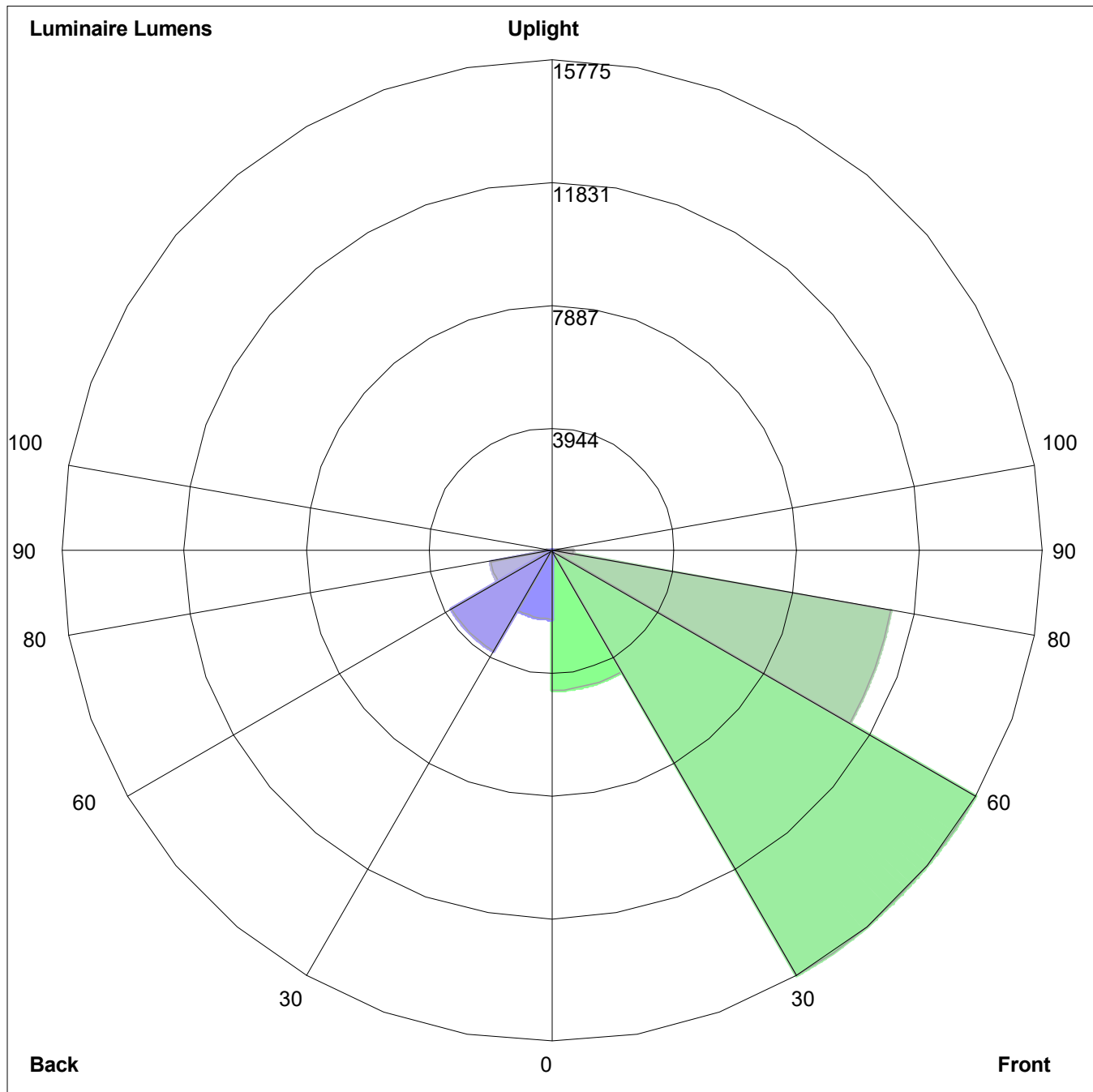
Maximum Candela = 22453.529 Located At Horizontal Angle = 292.5, Vertical Angle = 71  
# 1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

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=4490.5, Medium=15774.6, High=11067.8, Very High=675.7  
Back: Low=2197.8, Medium=3724.4, High= 1998.0, Very High=150.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4