



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 3 HV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUE DATE] 2020-10-28 09:43
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK L HI 3 HV 850
[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

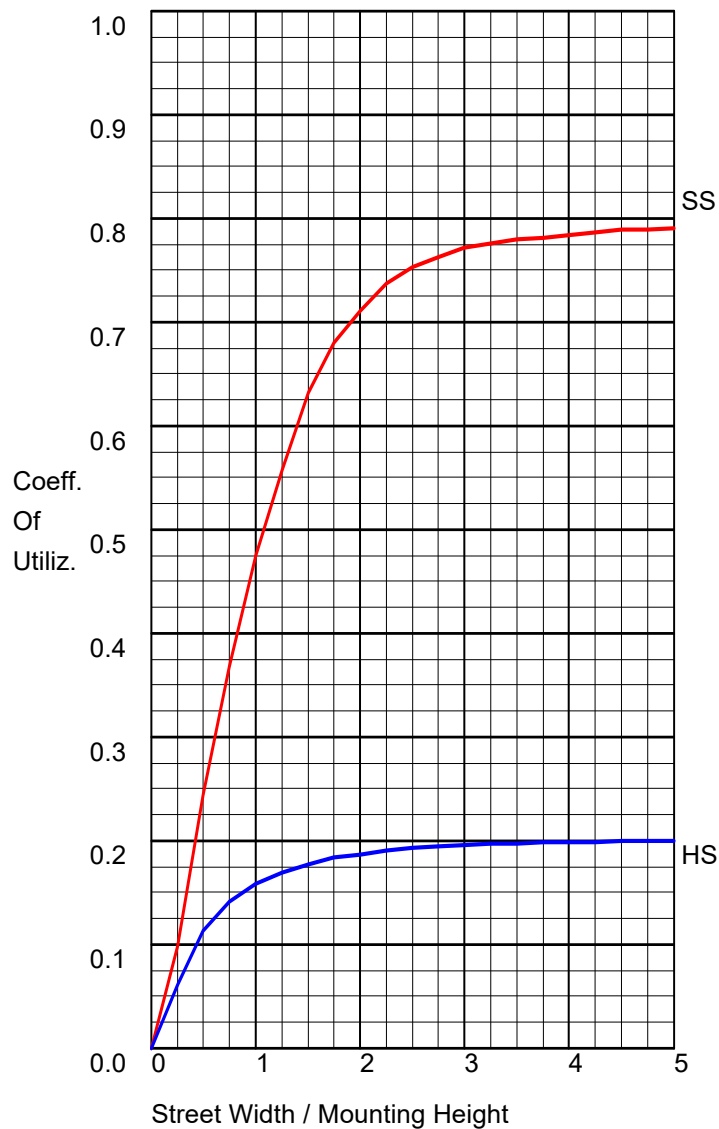
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	41081.18 (1 lamp)
Total Lamp Lumens	41081.18
Luminaire Lumens	41081
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	283.64
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	23014.867
Maximum Candela Angle	292.5H 71V
Maximum Candela (<90 Degrees Vertical)	23014.867
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	6713.176 (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)	4602.8	11.2	11.2
FM - Front-Medium (30-60)	16169.0	39.4	39.4
FH - Front-High (60-80)	11344.5	27.6	27.6
FVH - Front-Very High (80-90)	692.6	1.7	1.7
BL - Back-Low (0-30)	2252.8	5.5	5.5
BM - Back-Medium (30-60)	3817.5	9.3	9.3
BH - Back-High (60-80)	2048.0	5.0	5.0
BVH - Back-Very High (80-90)	154.0	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	41081.2	100.1	100.0
BUG Rating	B3-U0-G4		

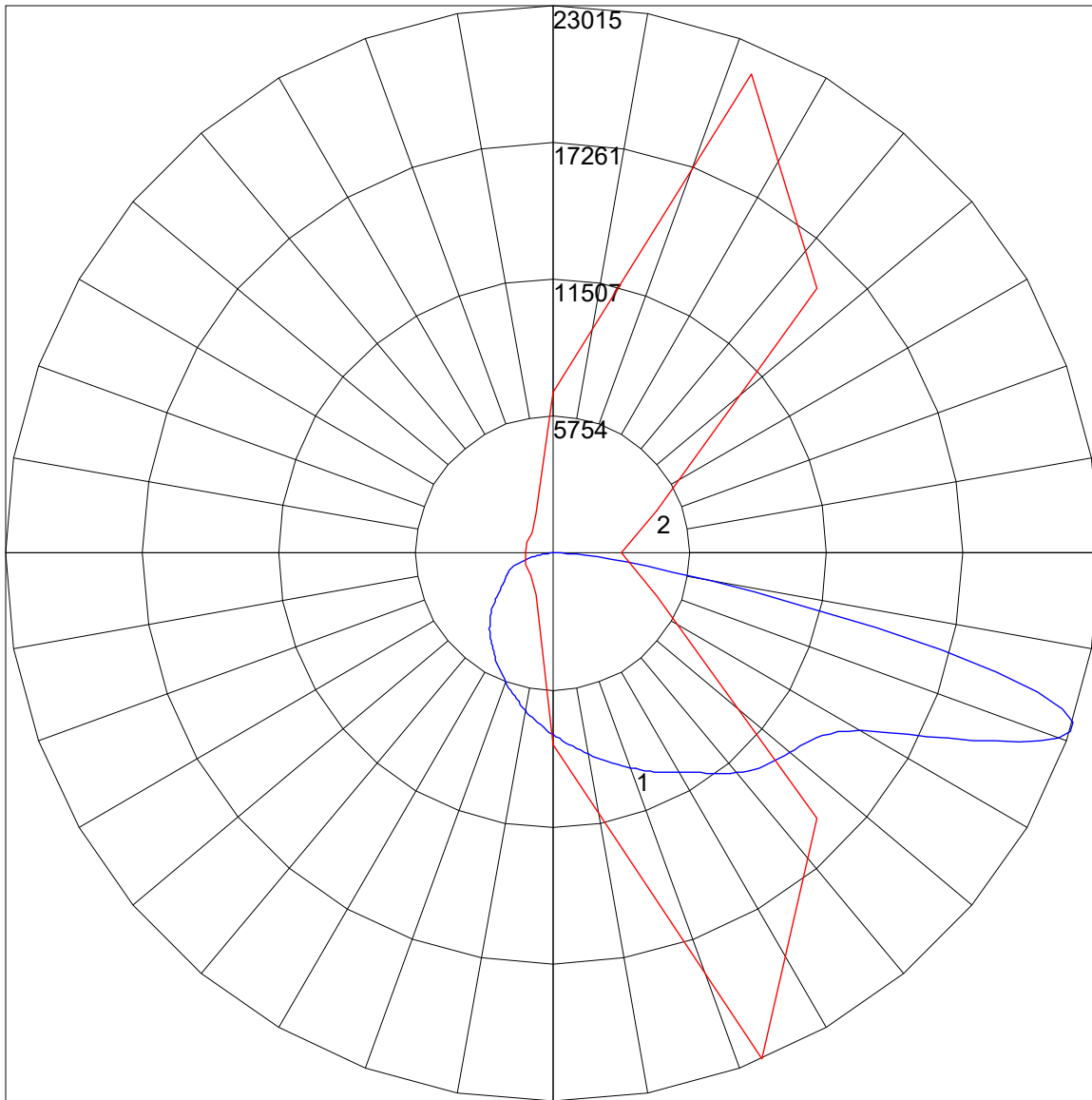
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

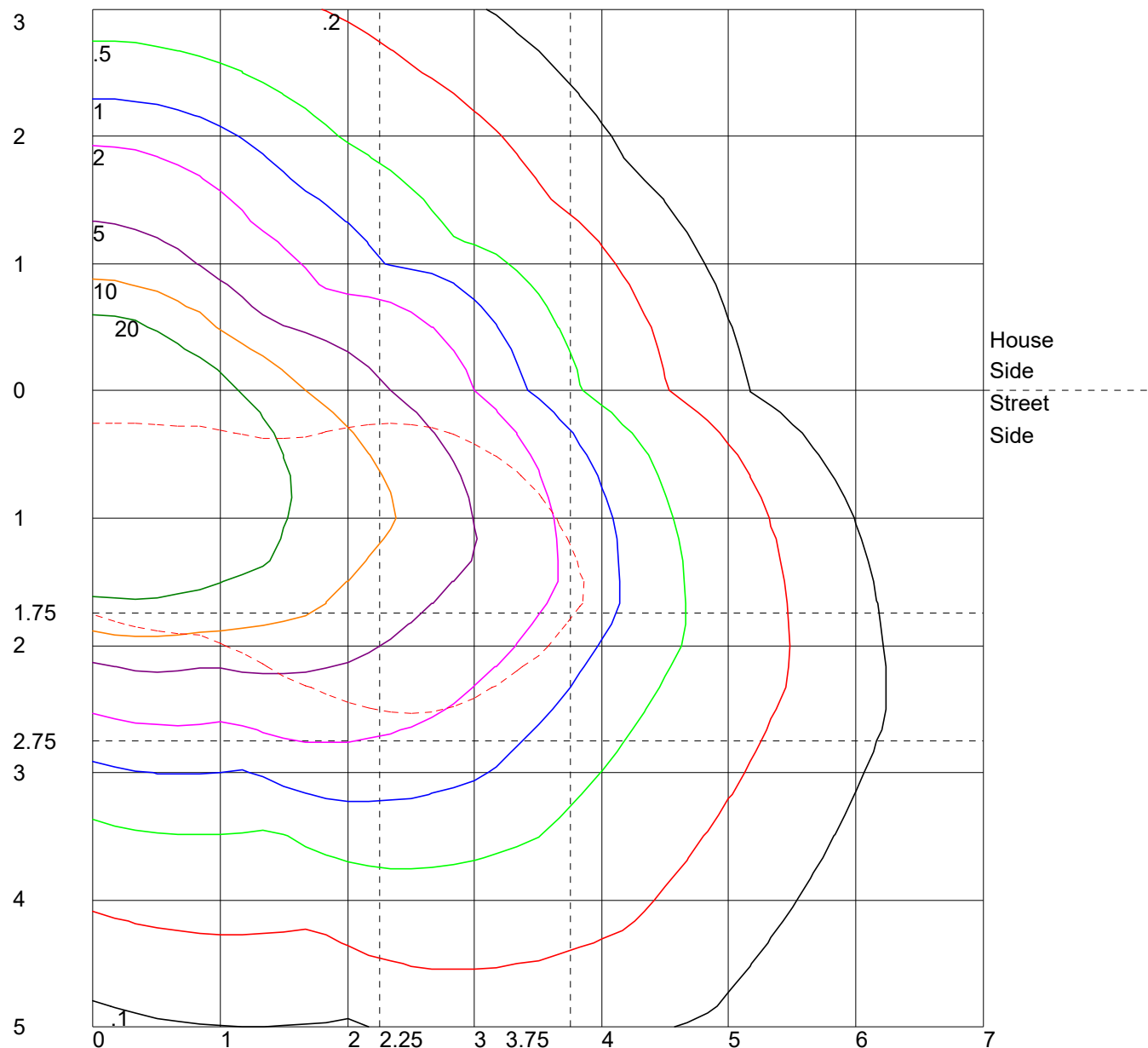
	Lumens	Percent Of Lamp
Downward Street Side	32808.9	79.9
Downward House Side	8272.3	20.1
Downward Total	41081.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41081.2	100.0

POLAR GRAPH



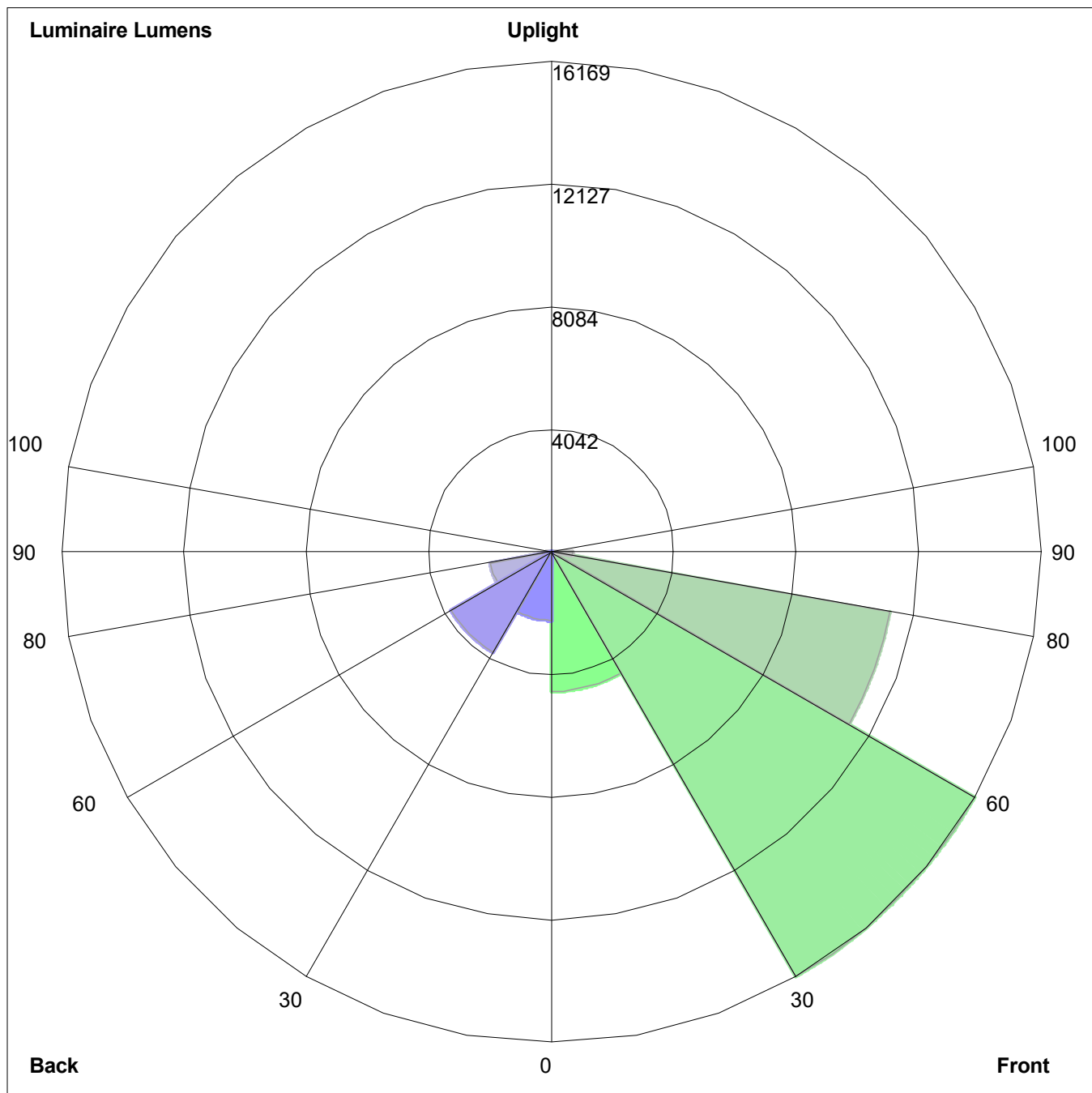
Maximum Candela = 23014.867 Located At Horizontal Angle = 292.5, Vertical Angle = 71
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

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=4602.8, Medium= 16169.0, High=11344.5, Very High=692.6
Back: Low=2252.8, Medium=3817.5, High= 2048.0, Very High=154.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4