



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 3 HV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUEDATE] 2020-11-5 17:41
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK M MD 3 HV 850
[LUMINAIRE] LED Medium Area Light
[_VOLTAGE] 480.0 V
[_CURRENT] 0.299 A
[_POWERFACTOR] 0.965
[TESTLAB]
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.4 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

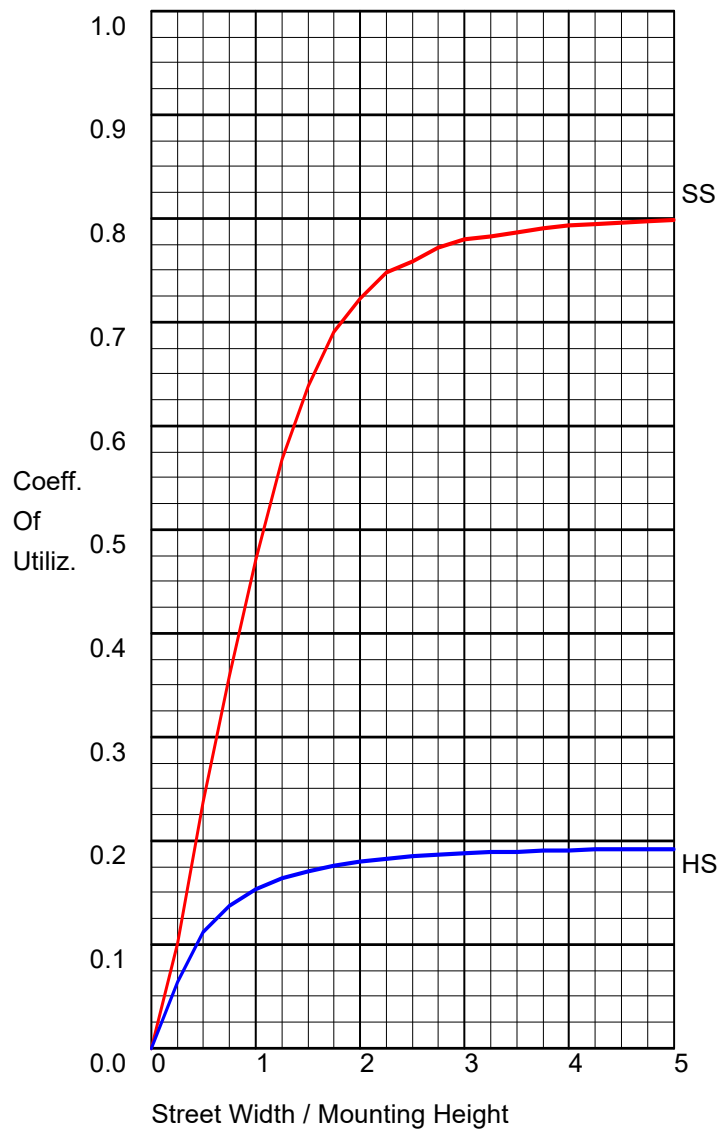
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	19977.45 (1 lamp)
Total Lamp Lumens	19977.45
Luminaire Lumens	19977
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	138.72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11363.088
Maximum Candela Angle	300H 70V
Maximum Candela (<90 Degrees Vertical)	11363.088
Maximum Candela Angle (<90 Degrees Vertical)	300H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3963.962 (19.8% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2144.1	10.7	10.7
FM - Front-Medium (30-60)	8000.8	40.0	40.0
FH - Front-High (60-80)	5608.6	28.1	28.1
FVH - Front-Very High (80-90)	352.0	1.8	1.8
BL - Back-Low (0-30)	1046.3	5.2	5.2
BM - Back-Medium (30-60)	1776.9	8.9	8.9
BH - Back-High (60-80)	973.6	4.9	4.9
BVH - Back-Very High (80-90)	75.2	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	19977.5	100.0	100.0
BUG Rating	B3-U0-G3		

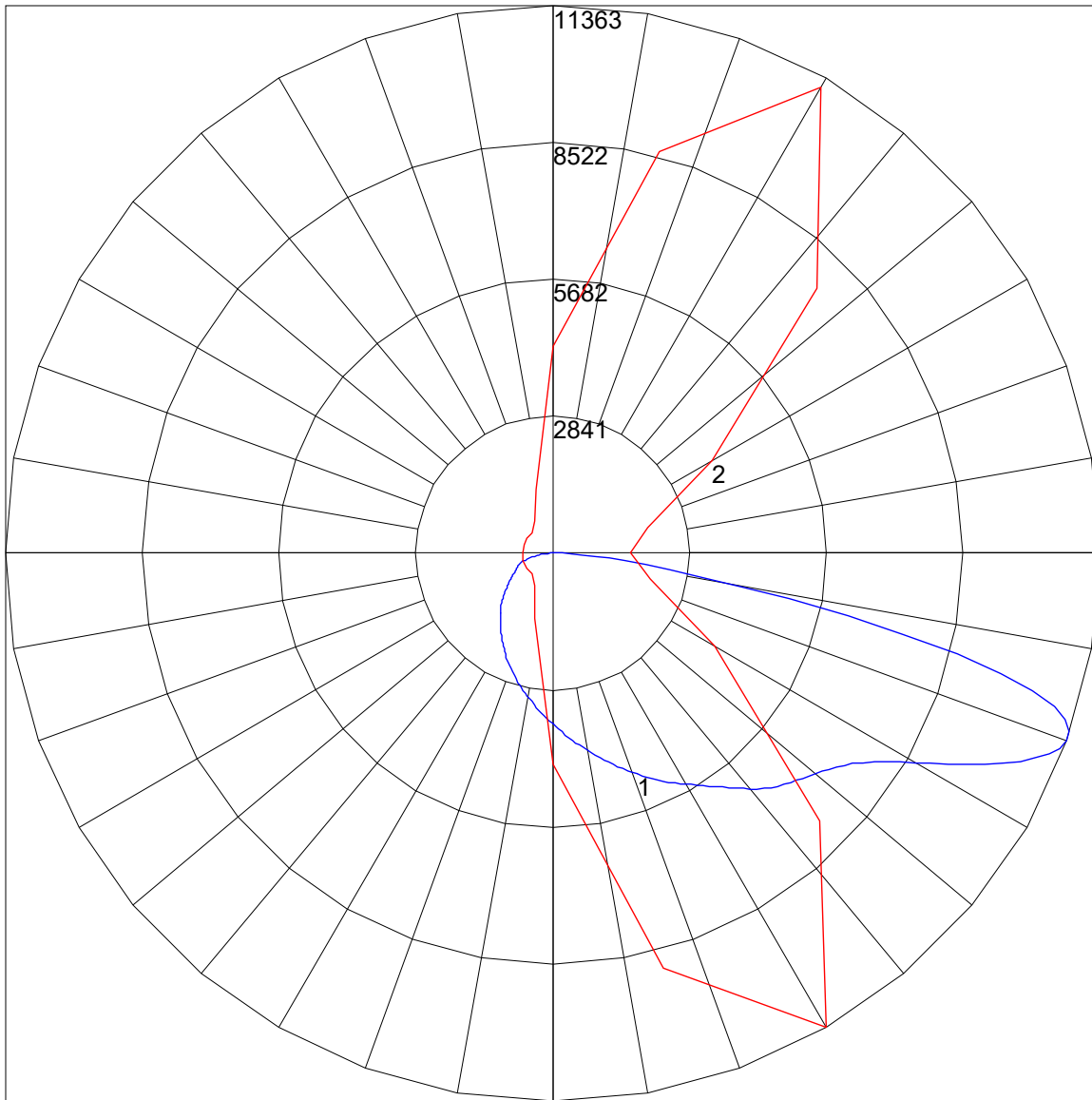
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

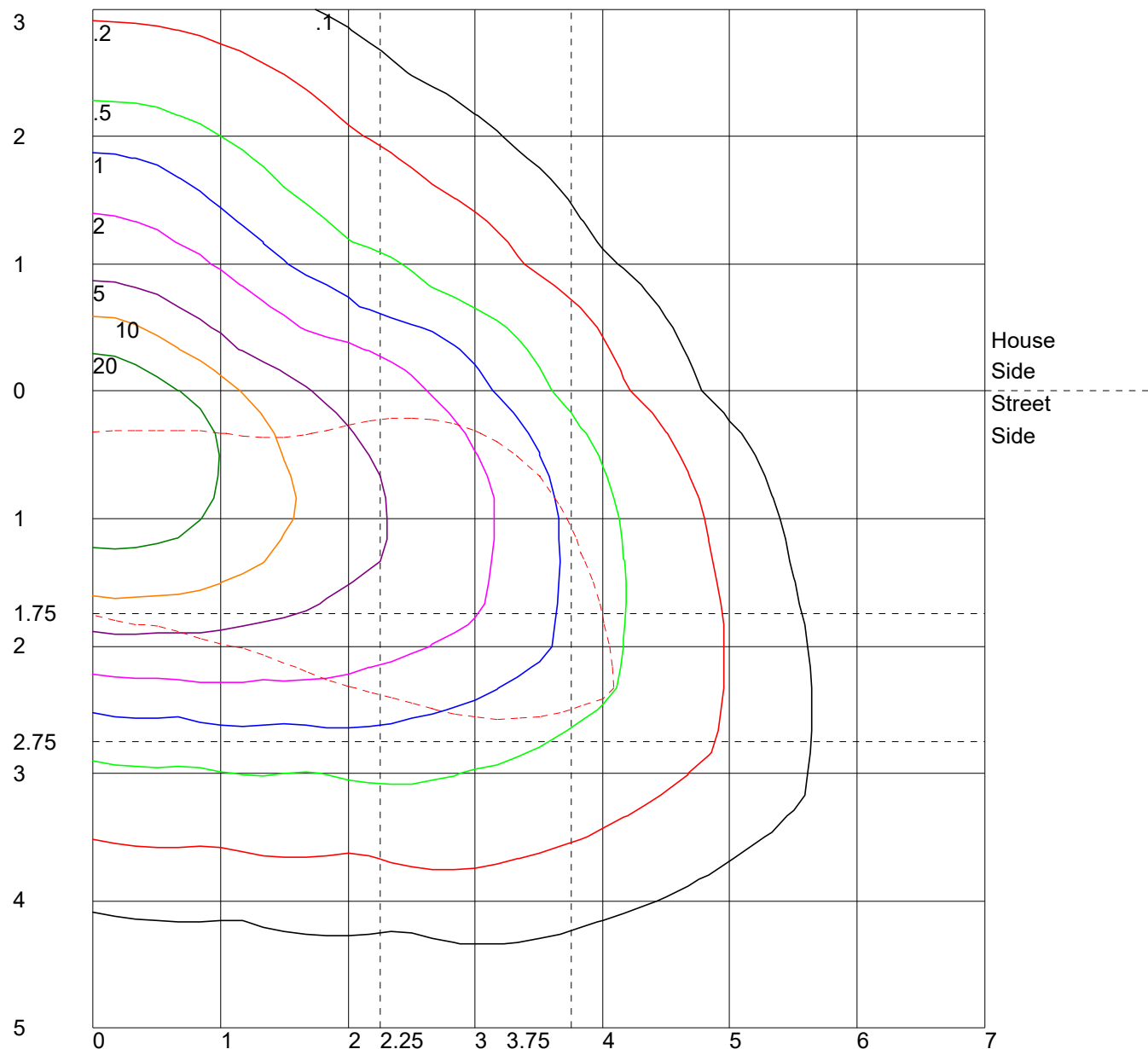
	Lumens	Percent Of Lamp
Downward Street Side	16105.5	80.6
Downward House Side	3871.9	19.4
Downward Total	19977.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19977.4	100.0

POLAR GRAPH



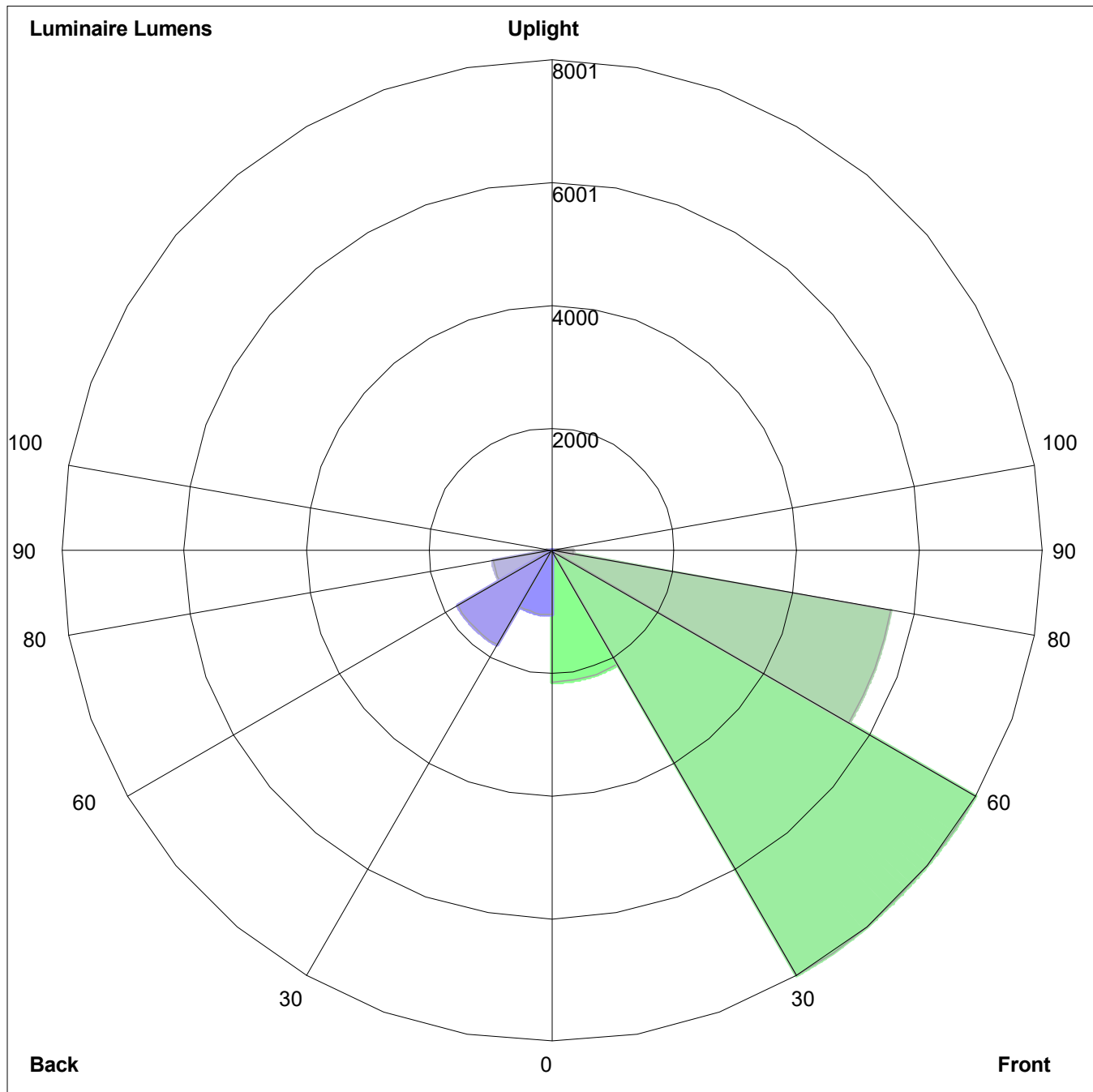
Maximum Candela = 11363.088 Located At Horizontal Angle = 300, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

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=2144.1, Medium=8000.8, High=5608.6, Very High=352.0
Back: Low=1046.3, Medium=1776.9, High=973.6, Very High=75.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3