



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 3 HV 840.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 840
[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

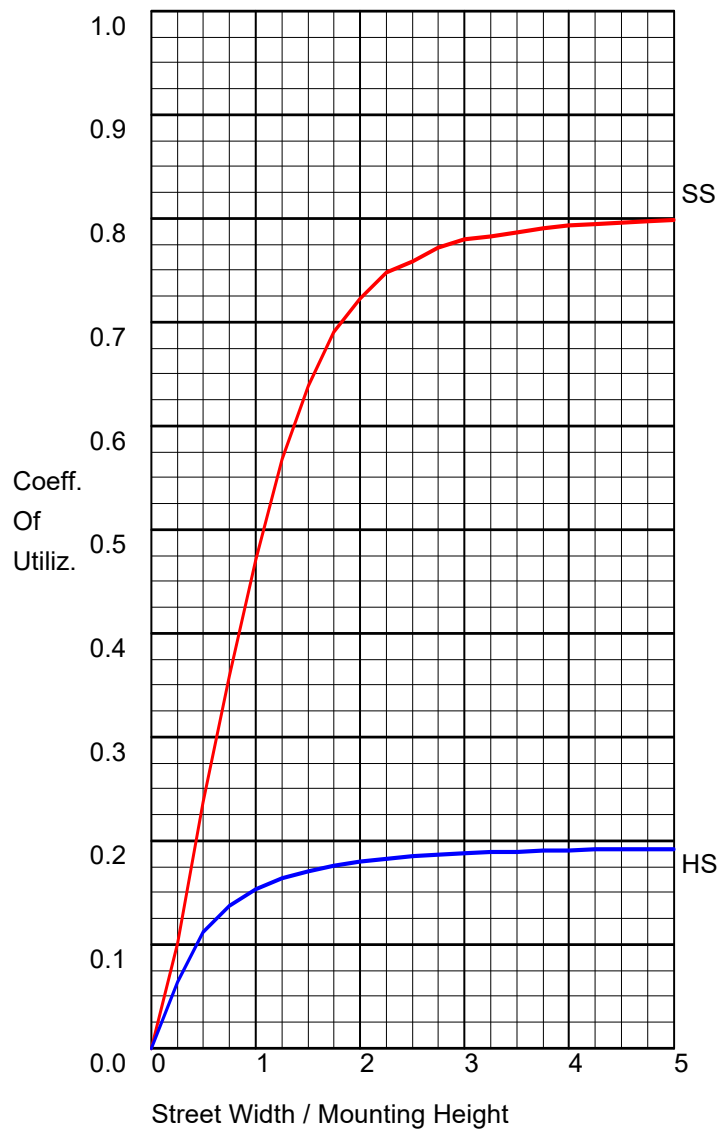
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	19490.2 (1 lamp)
Total Lamp Lumens	19490.2
Luminaire Lumens	19490
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	138.72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11085.94
Maximum Candela Angle	300H 70V
Maximum Candela (<90 Degrees Vertical)	11085.94
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	3867.28 (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)	2091.8	10.7	10.7
FM - Front-Medium (30-60)	7805.7	40.0	40.0
FH - Front-High (60-80)	5471.8	28.1	28.1
FVH - Front-Very High (80-90)	343.4	1.8	1.8
BL - Back-Low (0-30)	1020.7	5.2	5.2
BM - Back-Medium (30-60)	1733.6	8.9	8.9
BH - Back-High (60-80)	949.8	4.9	4.9
BVH - Back-Very High (80-90)	73.3	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	19490.1	100.0	100.0
BUG Rating	B3-U0-G3		

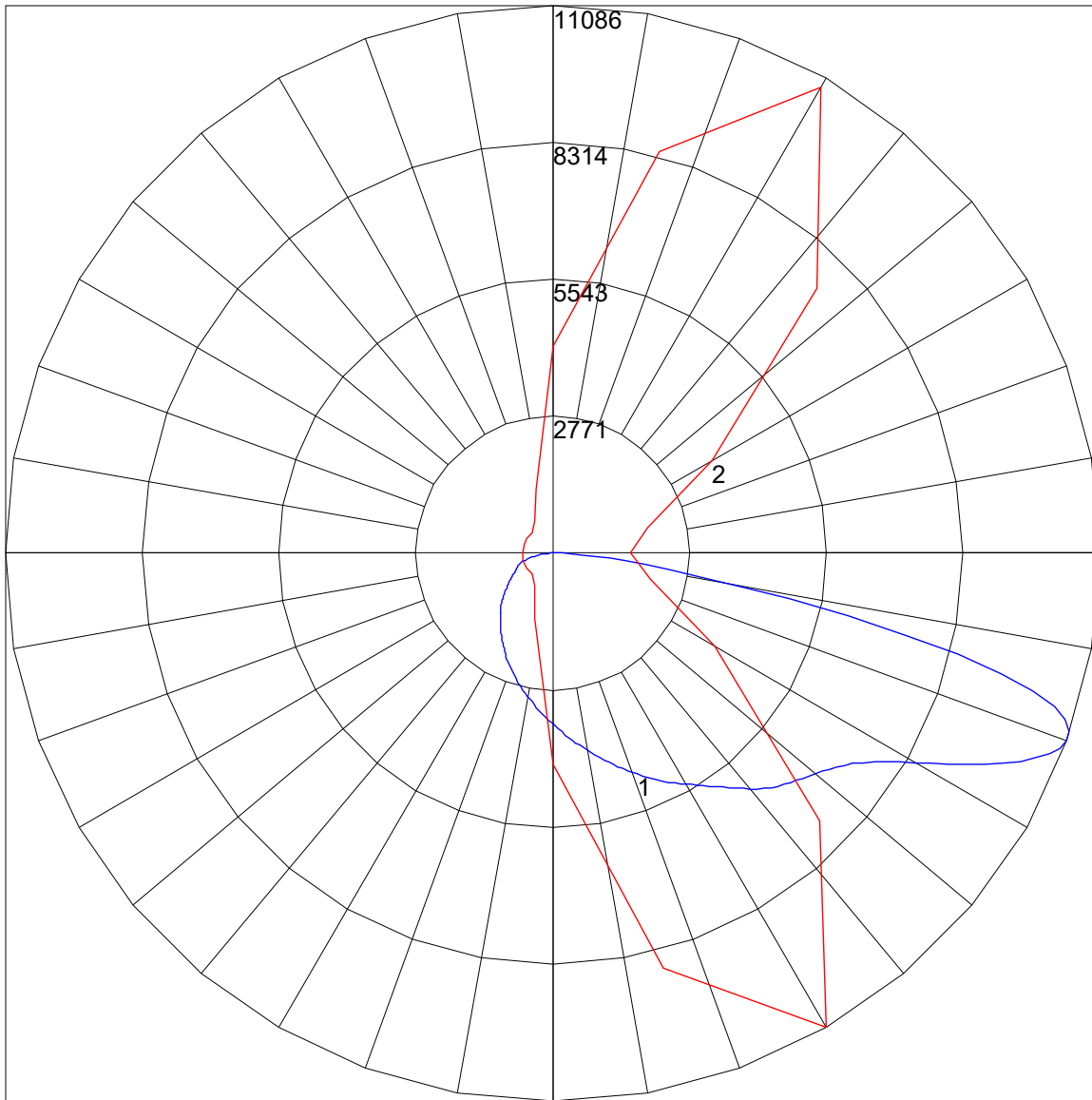
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

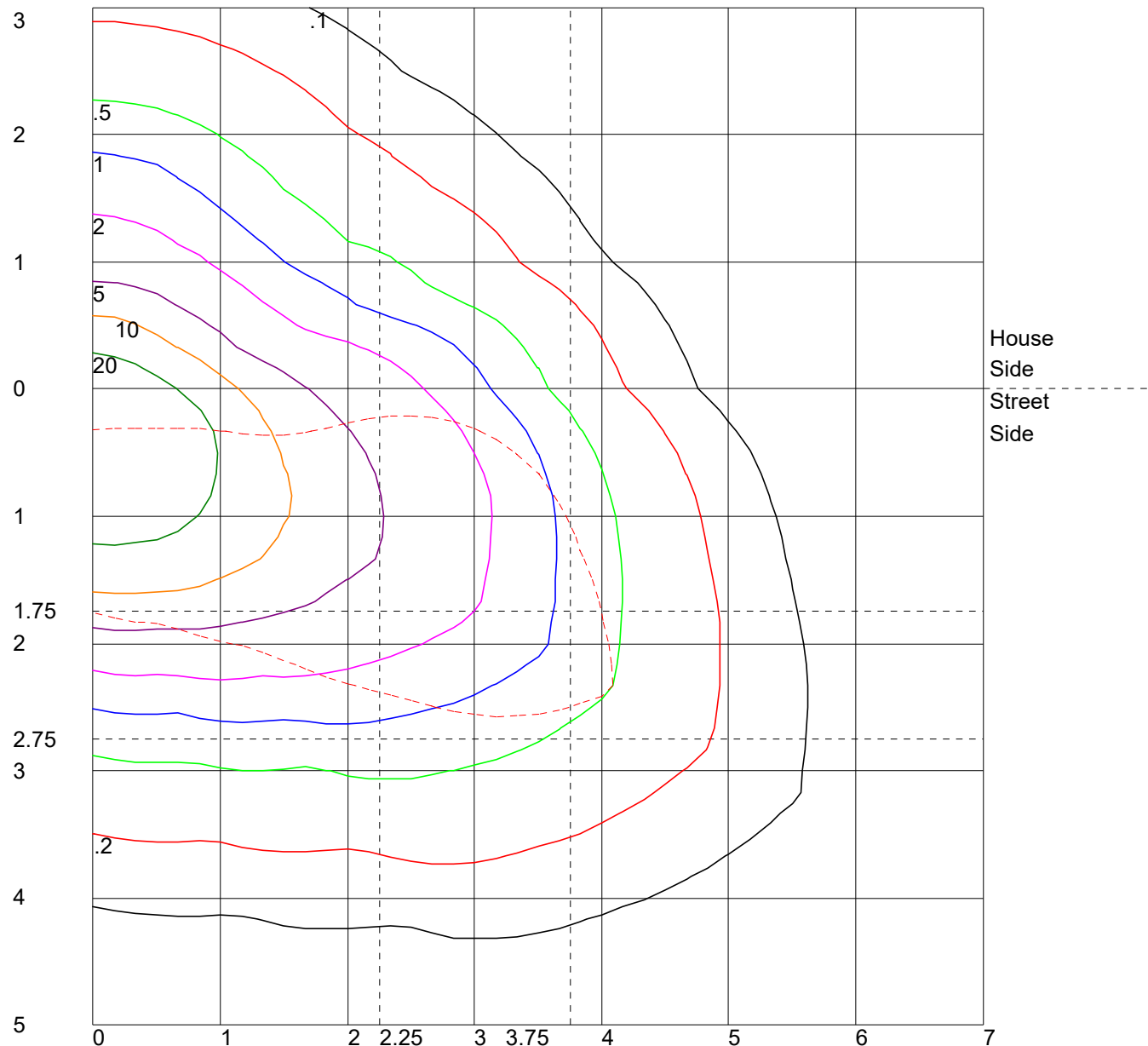
	Lumens	Percent Of Lamp
Downward Street Side	15712.7	80.6
Downward House Side	3777.5	19.4
Downward Total	19490.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19490.2	100.0

POLAR GRAPH



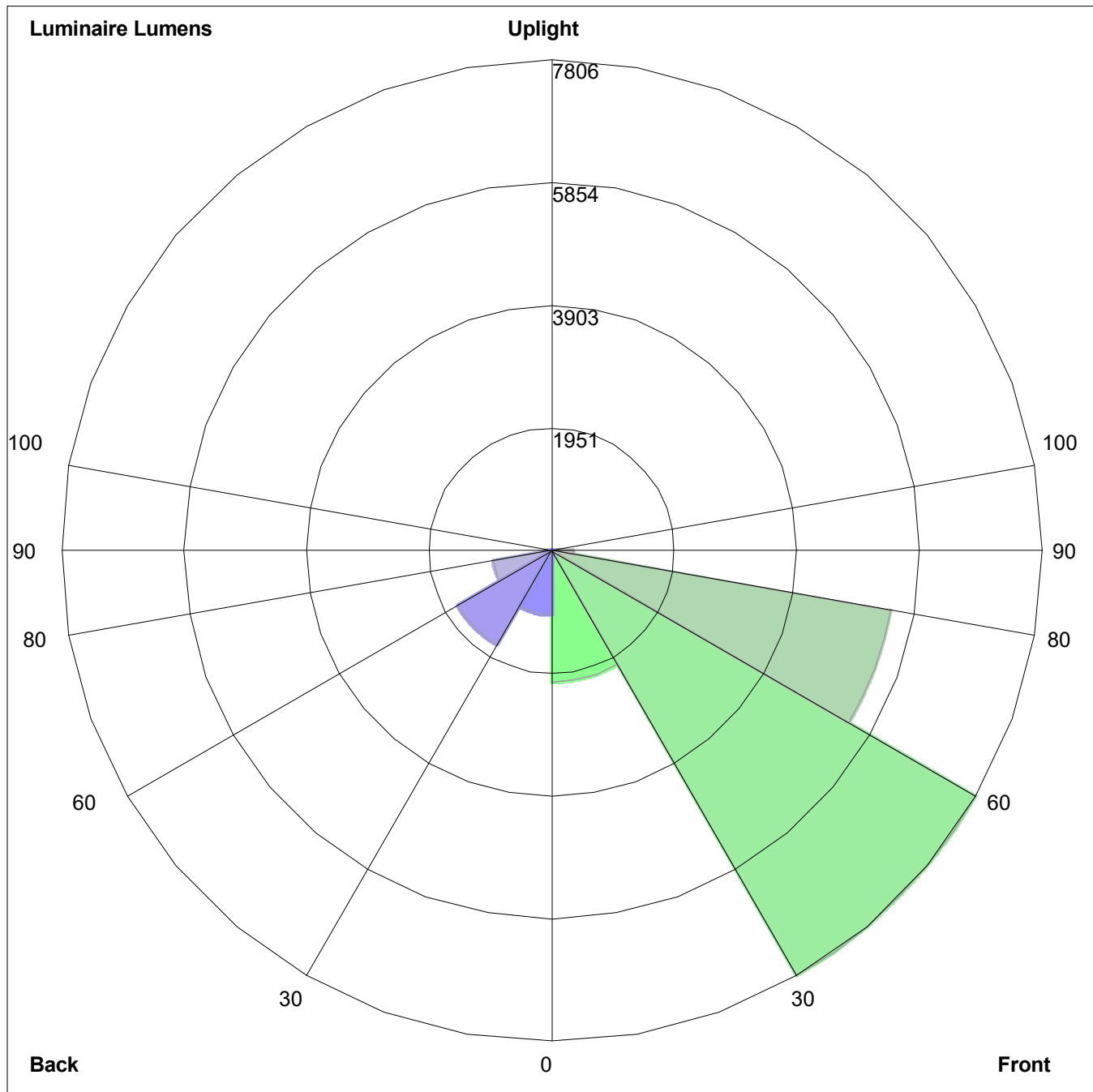
Maximum Candela = 11085.94 Located At Horizontal Angle = 300, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

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=2091.8, Medium=7805.7, High=5471.8, Very High=343.4
Back: Low=1020.7, Medium=1733.6, High=949.8, Very High=73.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3