



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 2 HV 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2012022E-E
[ISSUEDATE] 2020-12-15 11:51
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK M MD 2 HV 840
[LUMINAIRE] LED Medium Area Light
[_VOLTAGE] 480.0 V
[_CURRENT] 0.299 A
[_POWERFACTOR] 0.963
[_THD] 3.87
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.2 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

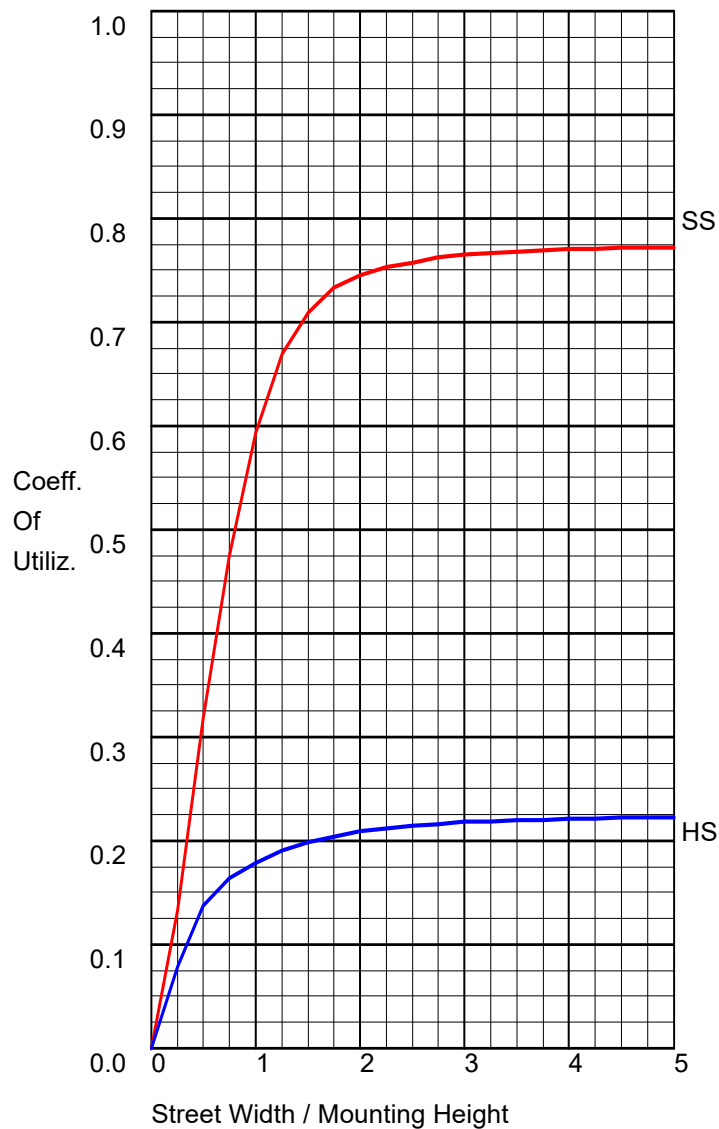
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	19575.1 (1 lamp)
Total Lamp Lumens	19575.1
Luminaire Lumens	19575
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	137.99
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10714.96
Maximum Candela Angle	285H 70V
Maximum Candela (<90 Degrees Vertical)	10714.96
Maximum Candela Angle (<90 Degrees Vertical)	285H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2919.68 (14.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2817.2	14.4	14.4
FM - Front-Medium (30-60)	8404.1	42.9	42.9
FH - Front-High (60-80)	3748.1	19.1	19.1
FVH - Front-Very High (80-90)	215.7	1.1	1.1
BL - Back-Low (0-30)	1166.1	6.0	6.0
BM - Back-Medium (30-60)	1958.0	10.0	10.0
BH - Back-High (60-80)	1182.8	6.0	6.0
BVH - Back-Very High (80-90)	83.2	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	19575.2	99.9	100.0
BUG Rating	B3-U0-G3		

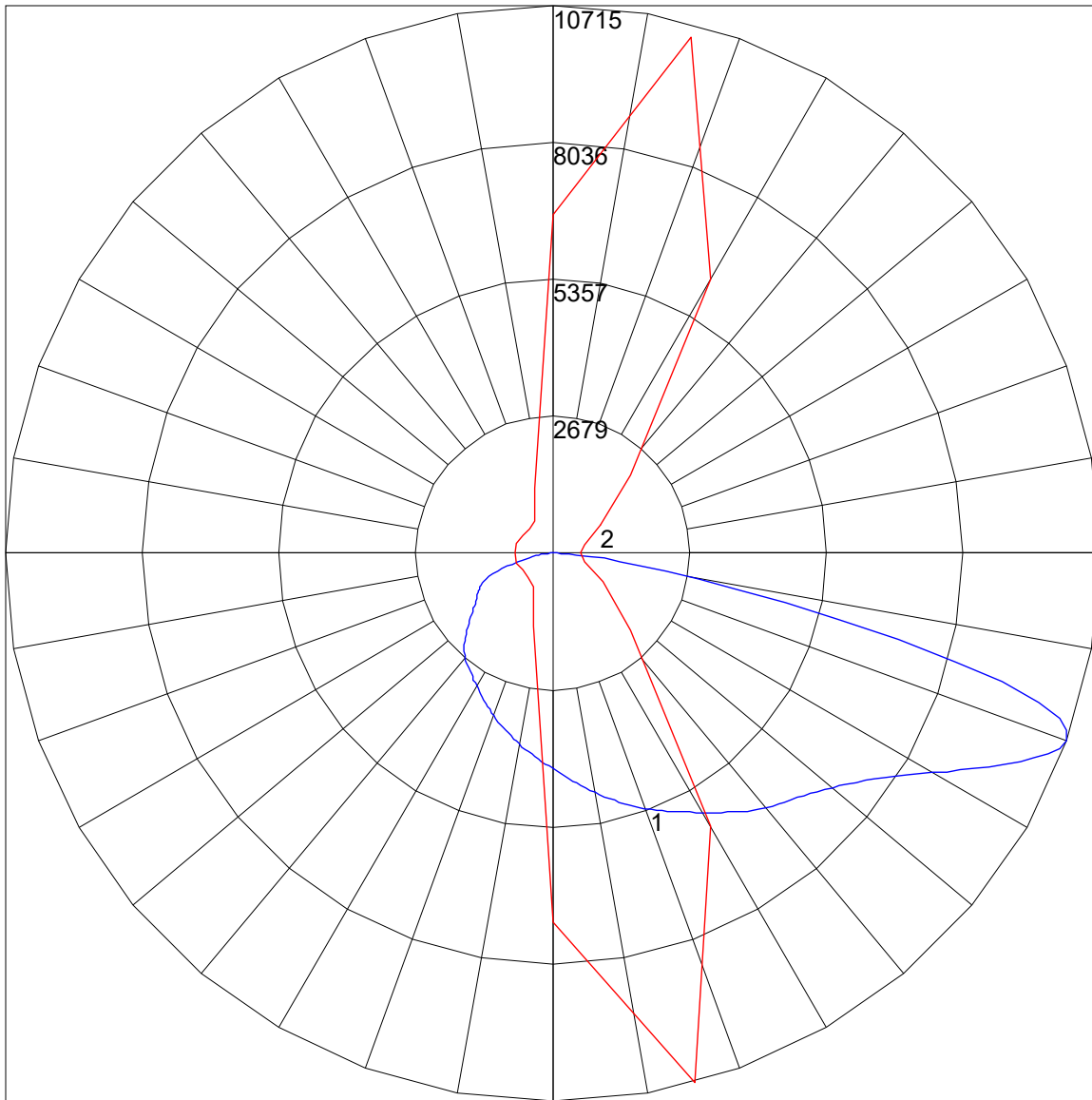
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

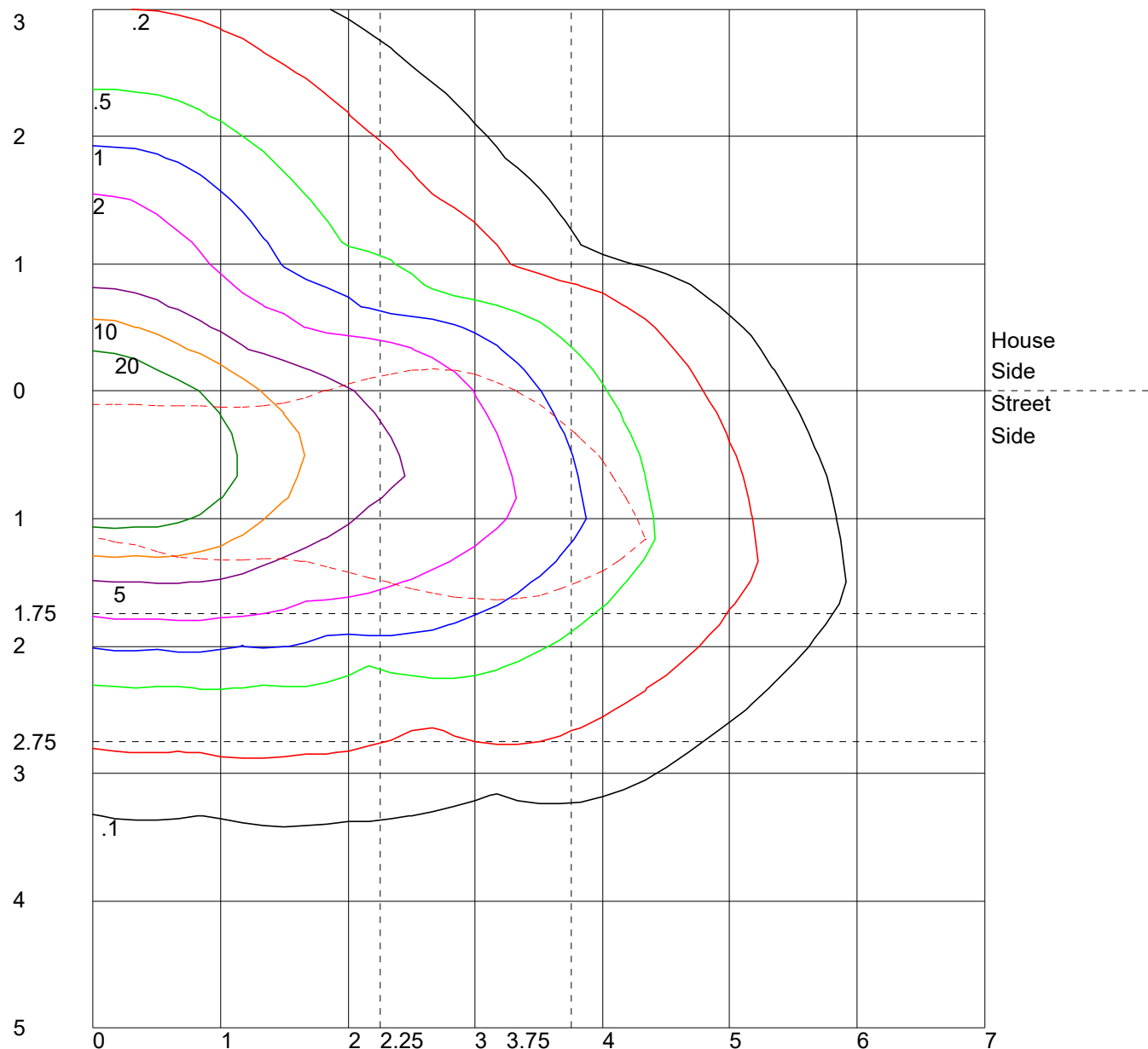
	Lumens	Percent Of Lamp
Downward Street Side	15185.0	77.6
Downward House Side	4390.1	22.4
Downward Total	19575.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19575.1	100.0

POLAR GRAPH

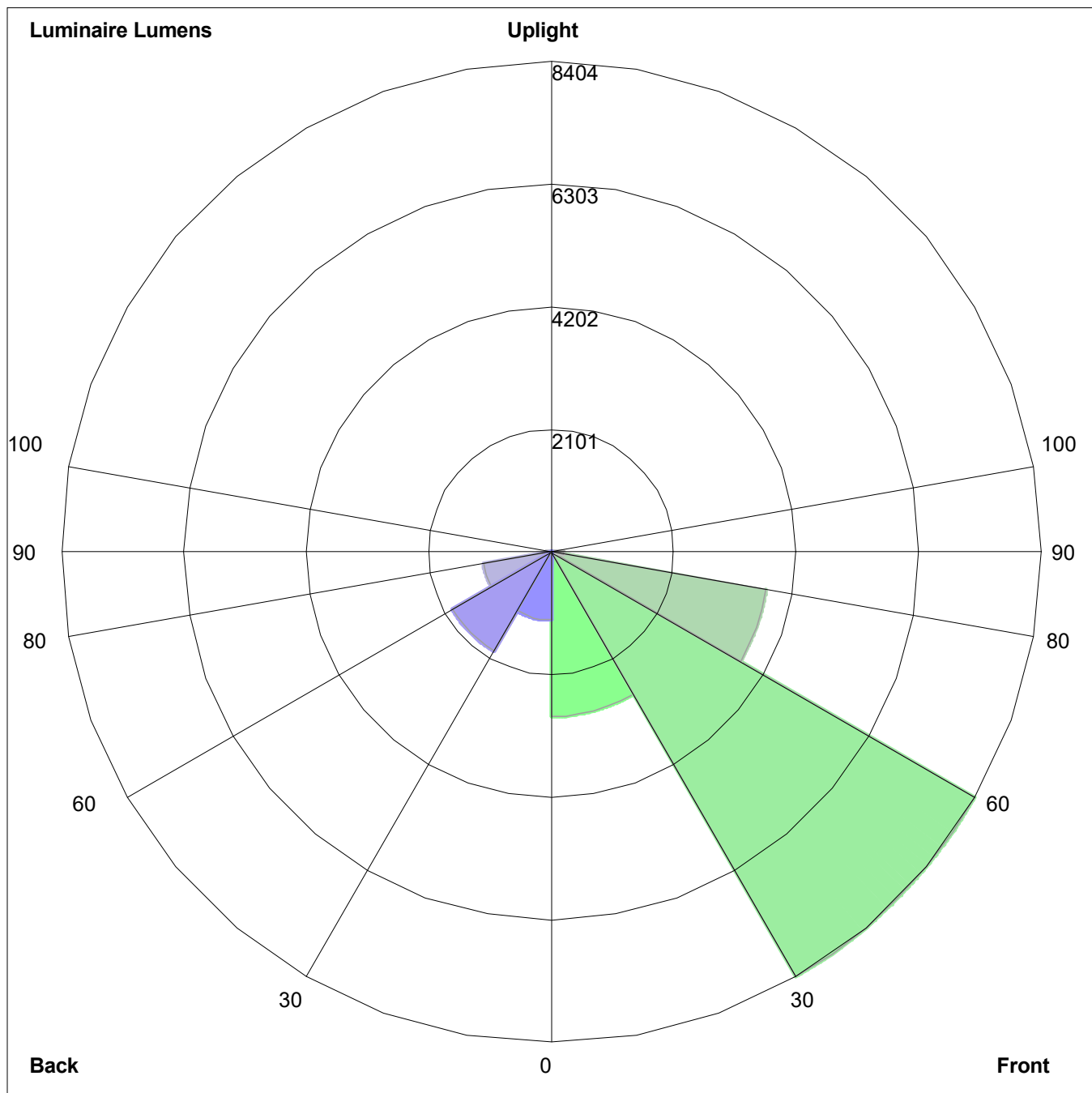


Maximum Candela = 10714.96 Located At Horizontal Angle = 285, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2817.2, Medium=8404.1, High=3748.1, Very High=215.7
Back: Low=1166.1, Medium= 1958.0, High=1182.8, Very High=83.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3