



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 2 HV 850.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 850
[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

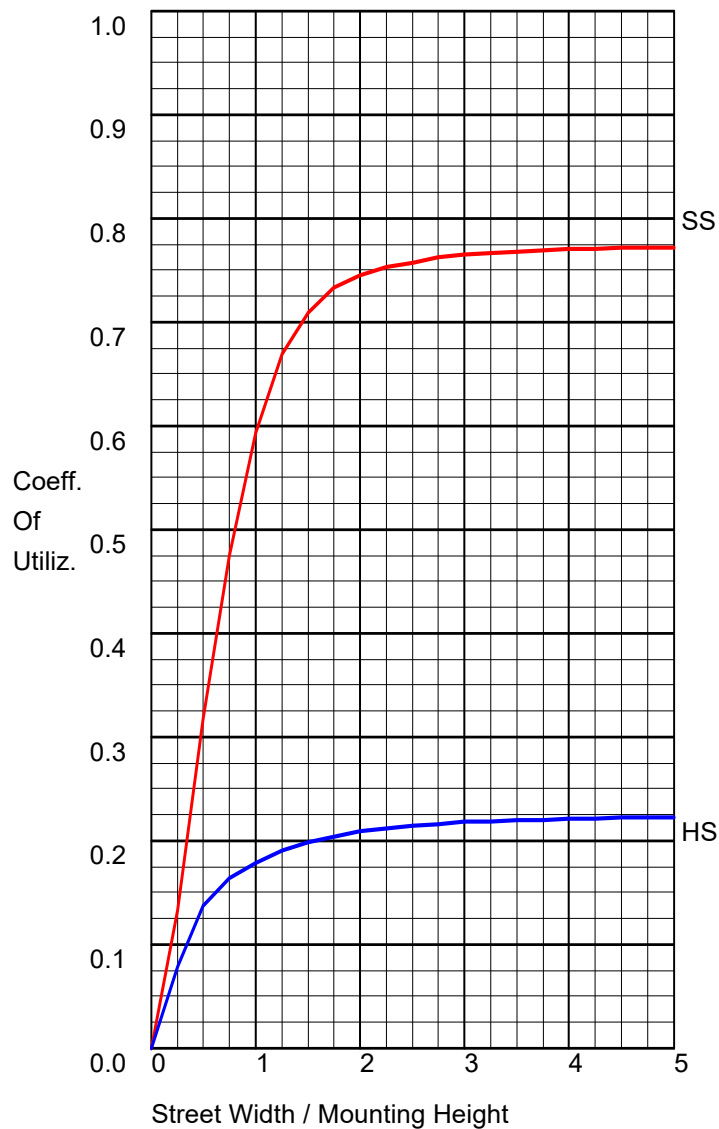
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	20064.48 (1 lamp)
Total Lamp Lumens	20064.48
Luminaire Lumens	20064
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	137.99
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10982.834
Maximum Candela Angle	285H 70V
Maximum Candela (<90 Degrees Vertical)	10982.834
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	2992.672 (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)	2887.6	14.4	14.4
FM - Front-Medium (30-60)	8614.2	42.9	42.9
FH - Front-High (60-80)	3841.8	19.1	19.1
FVH - Front-Very High (80-90)	221.1	1.1	1.1
BL - Back-Low (0-30)	1195.3	6.0	6.0
BM - Back-Medium (30-60)	2006.9	10.0	10.0
BH - Back-High (60-80)	1212.4	6.0	6.0
BVH - Back-Very High (80-90)	85.3	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	20064.6	99.9	100.0
BUG Rating	B3-U0-G3		

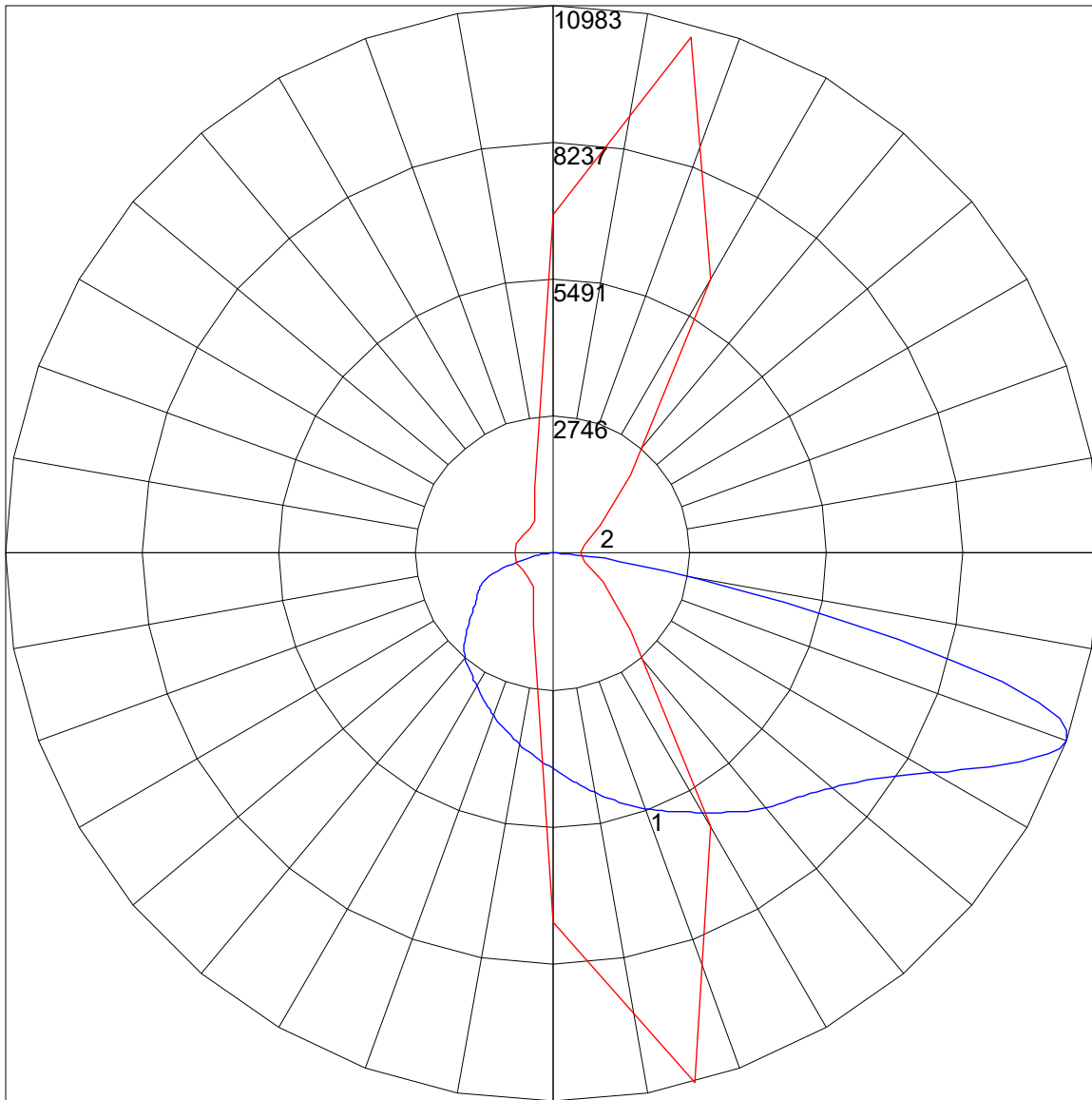
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

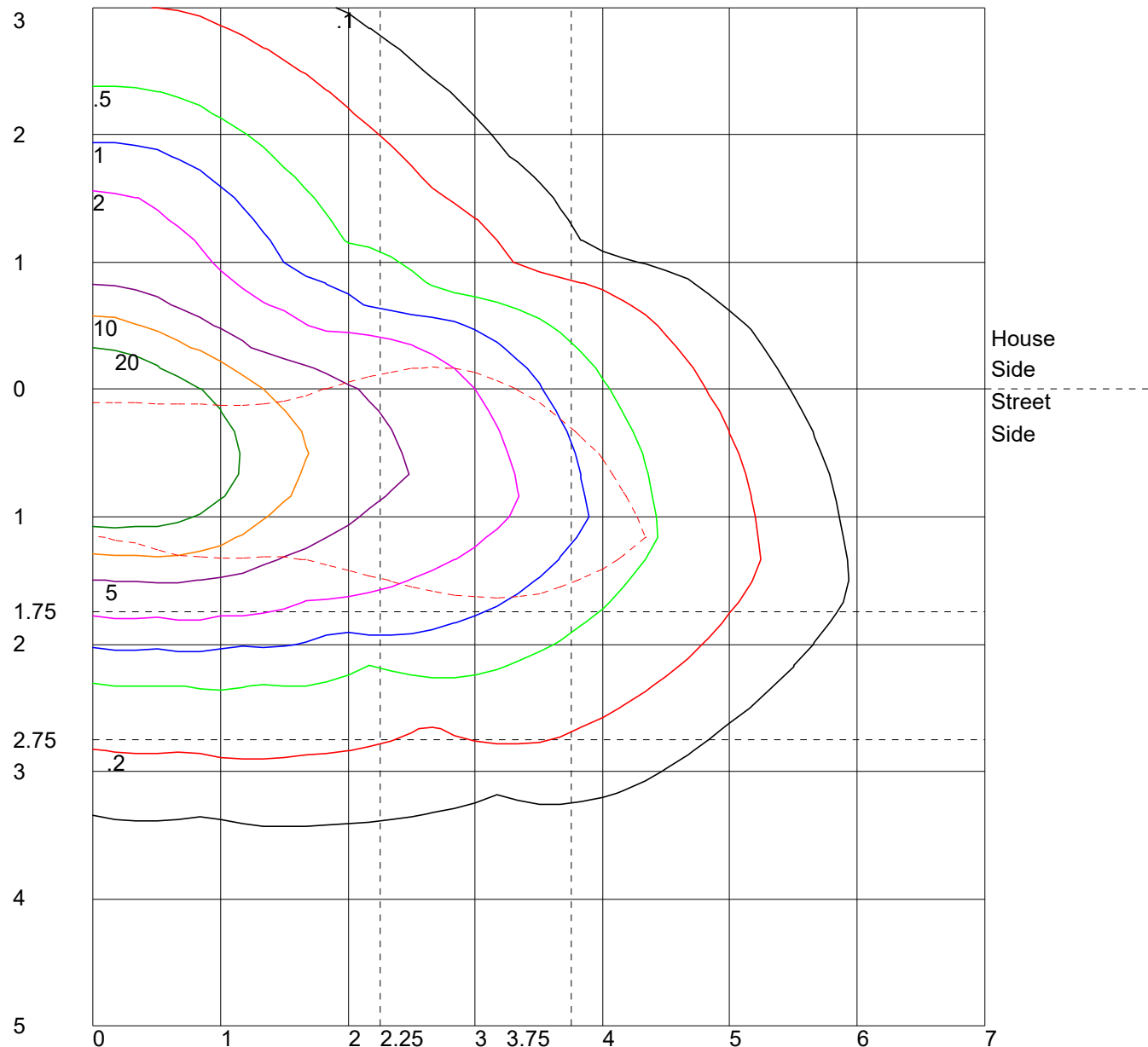
	Lumens	Percent Of Lamp
Downward Street Side	15564.7	77.6
Downward House Side	4499.8	22.4
Downward Total	20064.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20064.5	100.0

POLAR GRAPH



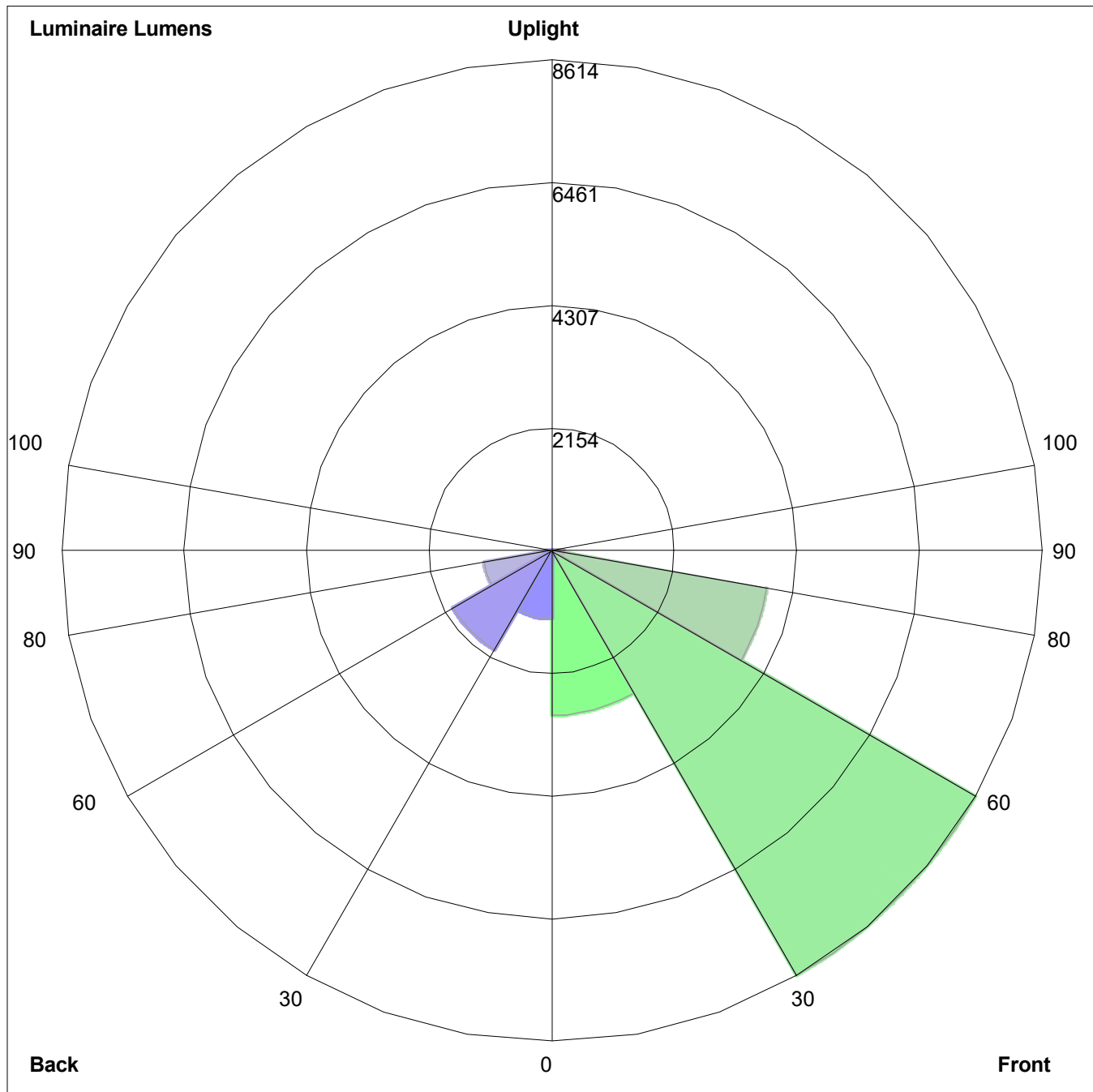
Maximum Candela = 10982.834 Located At Horizontal Angle = 285, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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=2887.6, Medium=8614.2, High=3841.8, Very High=221.1
Back: Low=1195.3, Medium=2006.9, High=1212.4, Very High=85.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3