



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 5 HV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022G-E
[ISSUE DATE] 2020-11-9 17:12
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK M MD 5 HV 850
[LUMINAIRE] LED Medium Area Light
[VOLTAGE] 480.0 V
[CURRENT] 0.299 A
[POWERFACTOR] 0.959
[THD] 4.65
[TESTLAB] Belling Test Laboratory Co., LTD
[TESTINST] GPM-3000
[TESTDIST] 14.040 m [K=1.0000]
[TESTTEMPERATURE] 25.1 °C
[TESTHUMIDITY]
[TESTOPERATOR]

CHARACTERISTICS

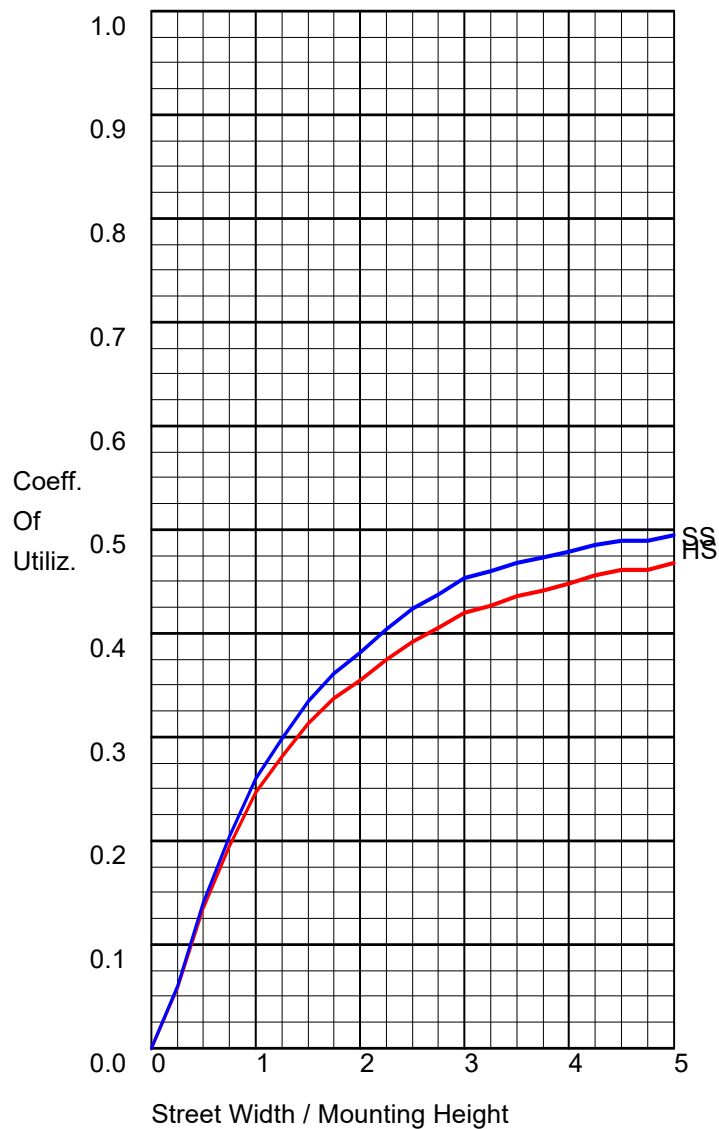
IES Classification	Type VS
Longitudinal Classification	Medium
Lumens Per Lamp	20065.09 (1 lamp)
Total Lamp Lumens	20065.09
Luminaire Lumens	20065
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	137.76
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5994.087
Maximum Candela Angle	135H 77V
Maximum Candela (<90 Degrees Vertical)	5994.087
Maximum Candela Angle (<90 Degrees Vertical)	135H 77V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5673.354 (28.3% Lamp Lumens)
Cutoff Classification (deprecated)	Non-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1038.5	5.2	5.2
FM - Front-Medium (30-60)	3676.4	18.3	18.3
FH - Front-High (60-80)	4335.5	21.6	21.6
FVH - Front-Very High (80-90)	815.9	4.1	4.1
BL - Back-Low (0-30)	1087.5	5.4	5.4
BM - Back-Medium (30-60)	3977.2	19.8	19.8
BH - Back-High (60-80)	4565.0	22.8	22.8
BVH - Back-Very High (80-90)	569.1	2.8	2.8
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	20065.1	100.0	100.0
BUG Rating	B4-U0-G5		

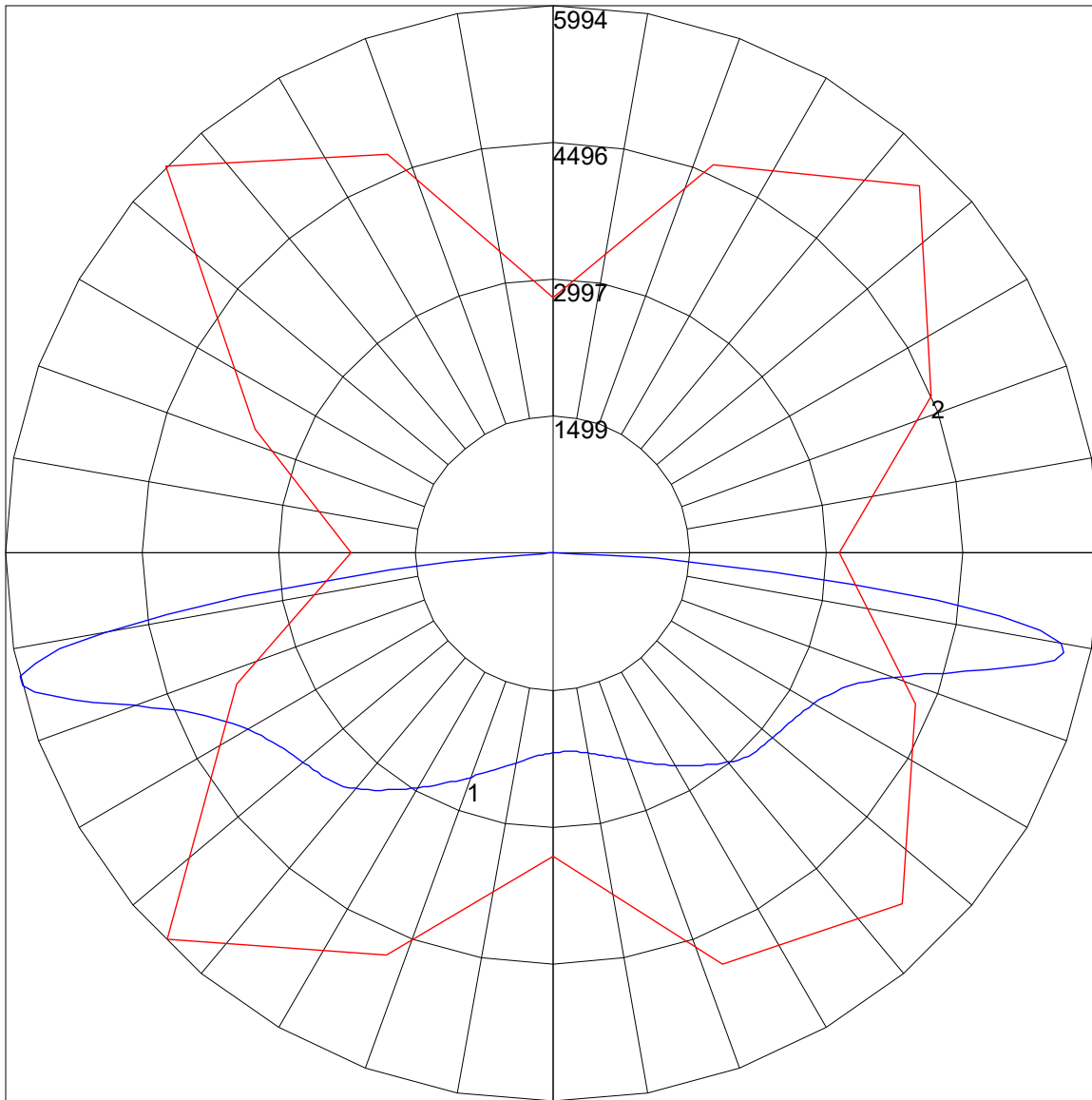
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

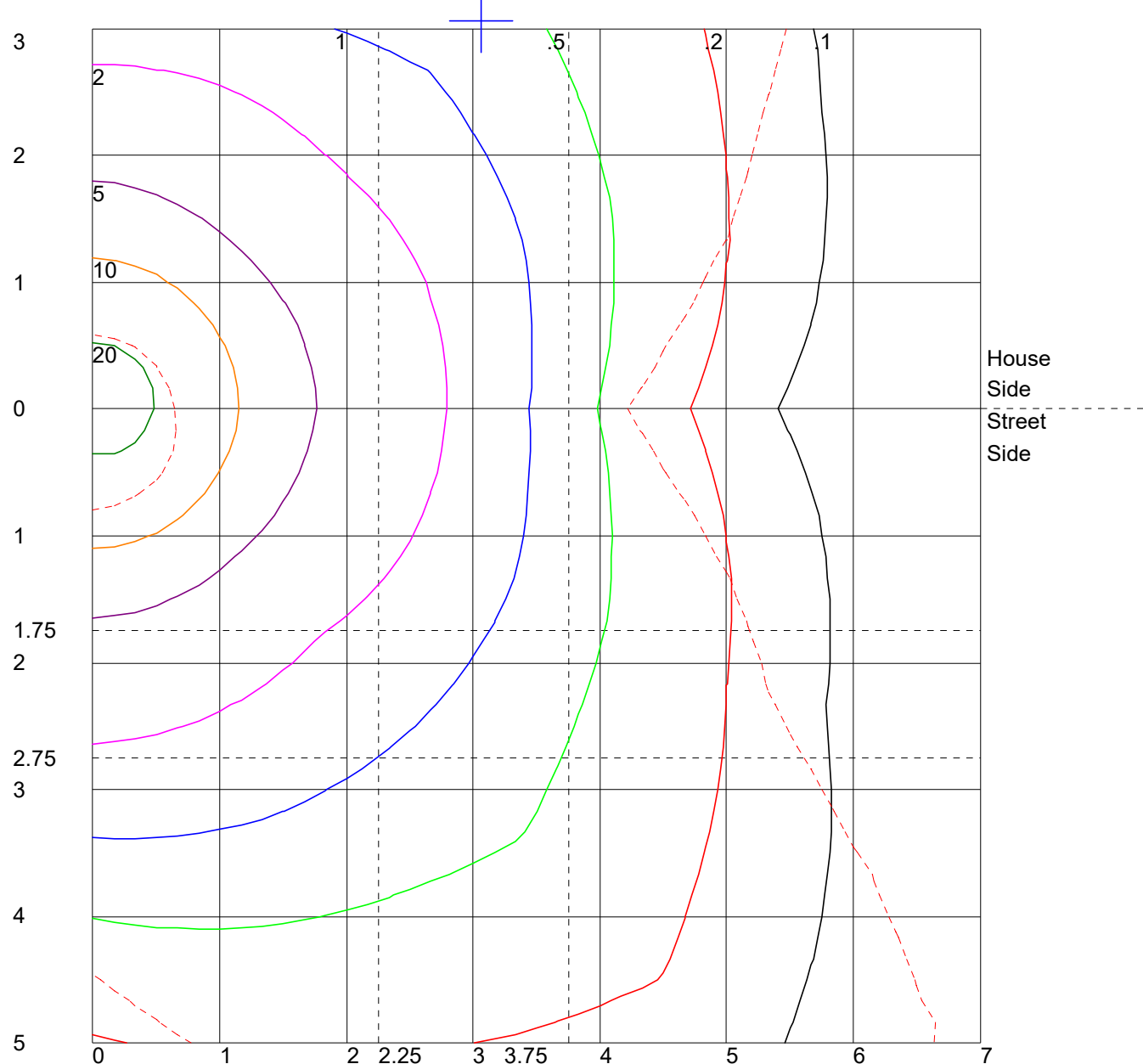
	Lumens	Percent Of Lamp
Downward Street Side	9866.4	49.2
Downward House Side	10198.7	50.8
Downward Total	20065.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20065.2	100.0

POLAR GRAPH



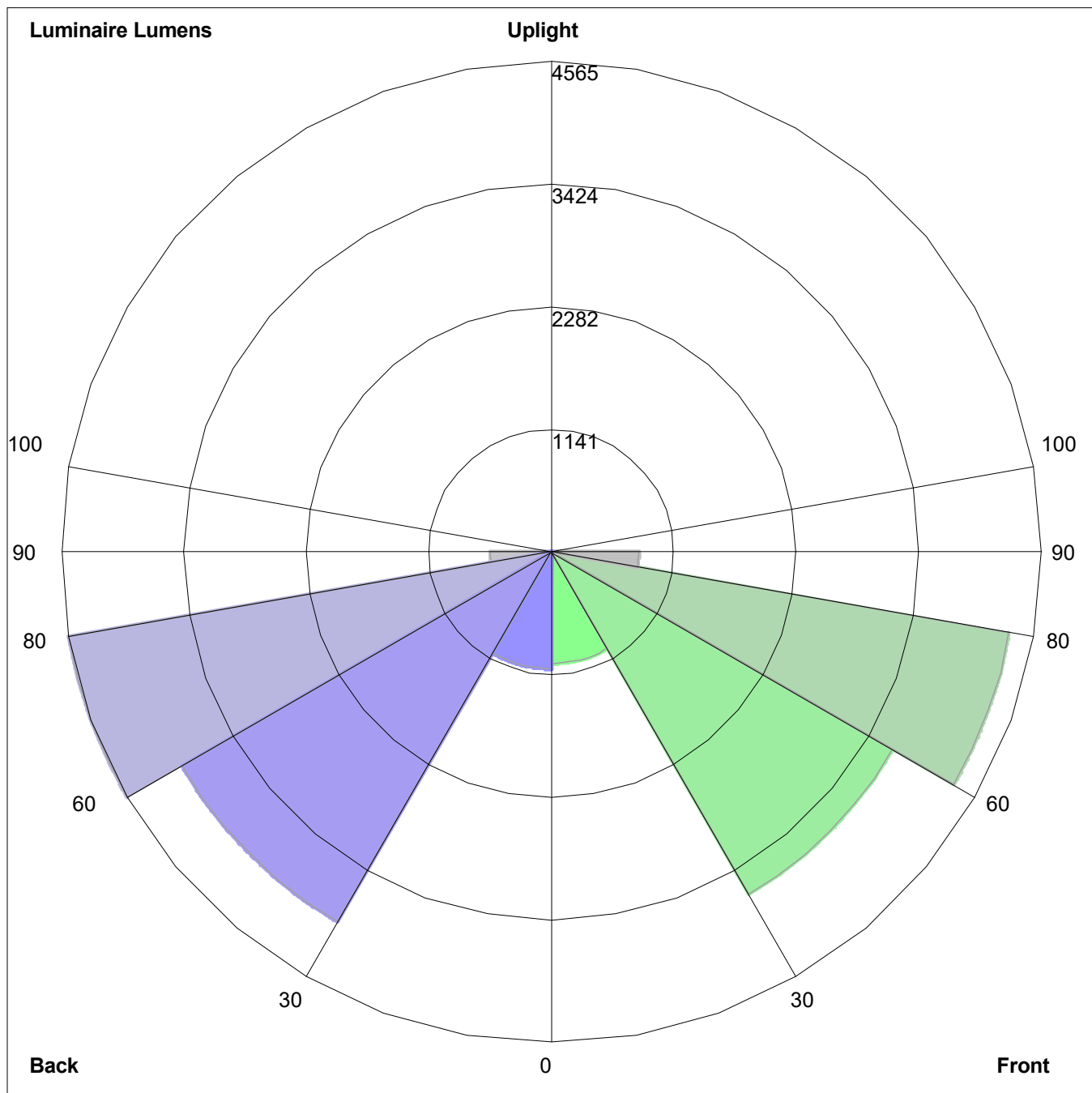
Maximum Candela = 5994.087 Located At Horizontal Angle = 135, Vertical Angle = 77
1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (77) (Through Max. Cd.)

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=1038.5, Medium=3676.4, High=4335.5, Very High=815.9
Back: Low=1087.5, Medium=3977.2, High= 4565.0, Very High=569.1
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G5