



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK M MD 4 HV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-E  
[ISSUEDATE] 2020-11-6 17:08  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK M MD 4 HV 850  
[LUMINAIRE] LED Medium Area Light  
[\_VOLTAGE] 480.0 V  
[\_CURRENT] 0.299 A  
[\_POWERFACTOR] 0.963  
[\_THD] 4.19  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.6 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

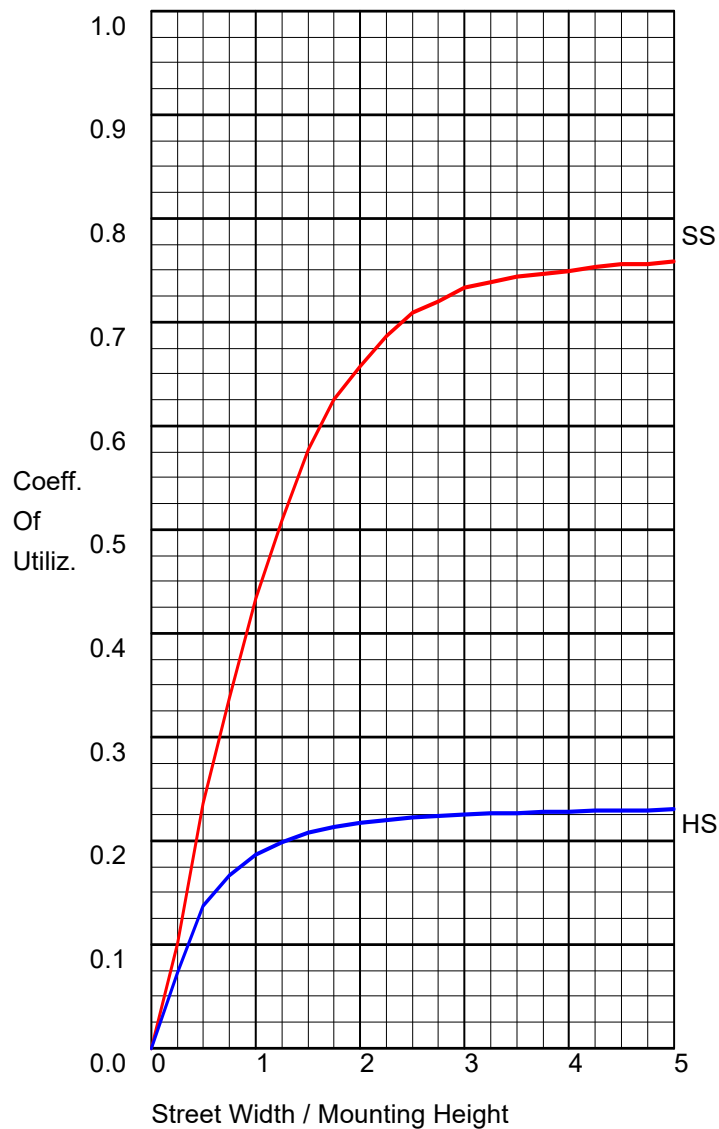
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	20158.98 (1 lamp)
Total Lamp Lumens	20158.98
Luminaire Lumens	20159
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	138.16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10330.678
Maximum Candela Angle	315H 70V
Maximum Candela (<90 Degrees Vertical)	10330.678
Maximum Candela Angle (<90 Degrees Vertical)	315H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2797.163 (13.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2130.6	10.6	10.6
FM - Front-Medium (30-60)	7726.0	38.3	38.3
FH - Front-High (60-80)	5309.3	26.3	26.3
FVH - Front-Very High (80-90)	286.1	1.4	1.4
BL - Back-Low (0-30)	1255.8	6.2	6.2
BM - Back-Medium (30-60)	2318.9	11.5	11.5
BH - Back-High (60-80)	1036.6	5.1	5.1
BVH - Back-Very High (80-90)	95.8	0.5	0.5
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	20159.1	99.9	100.0
BUG Rating	B3-U0-G3		

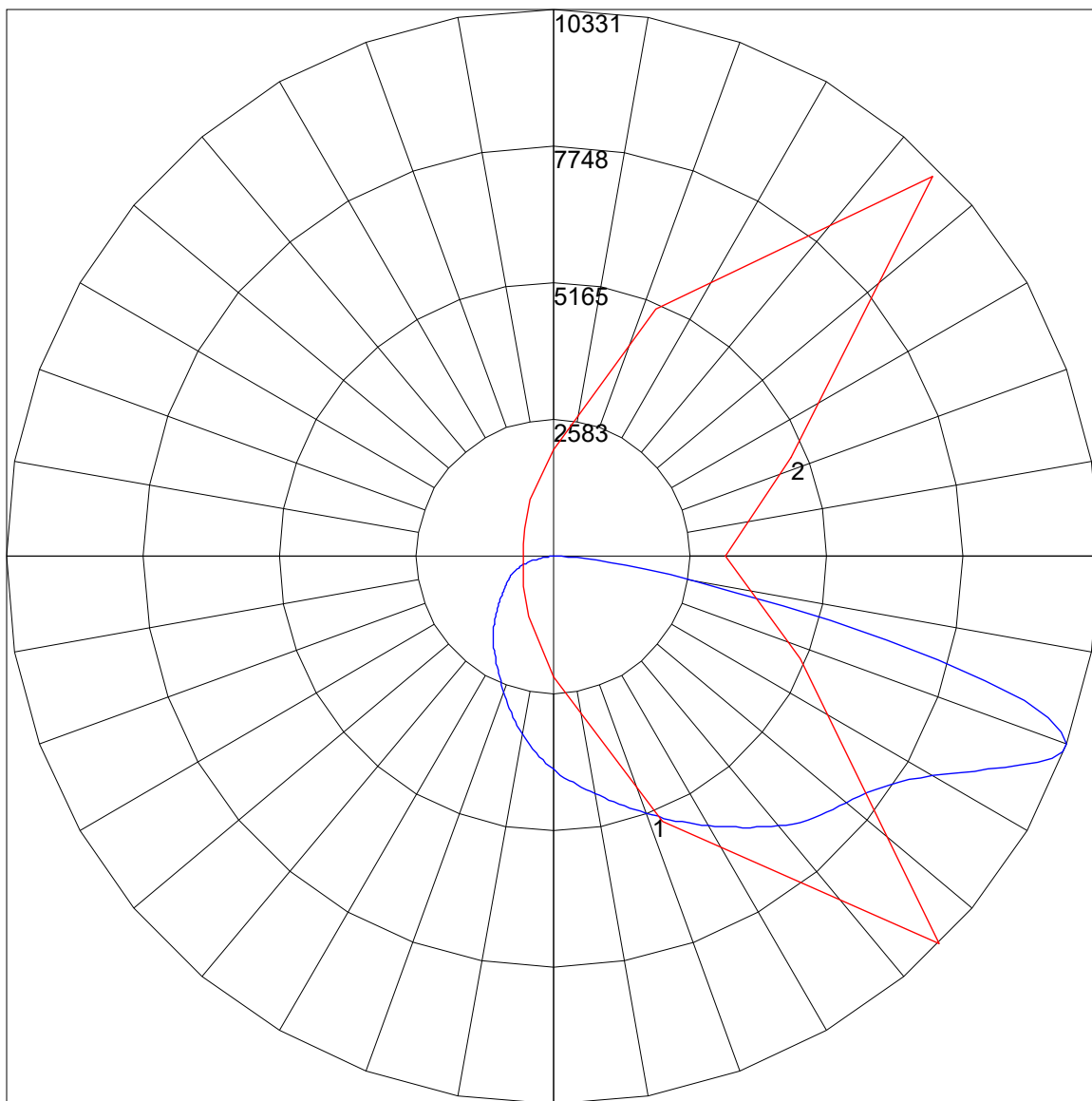
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

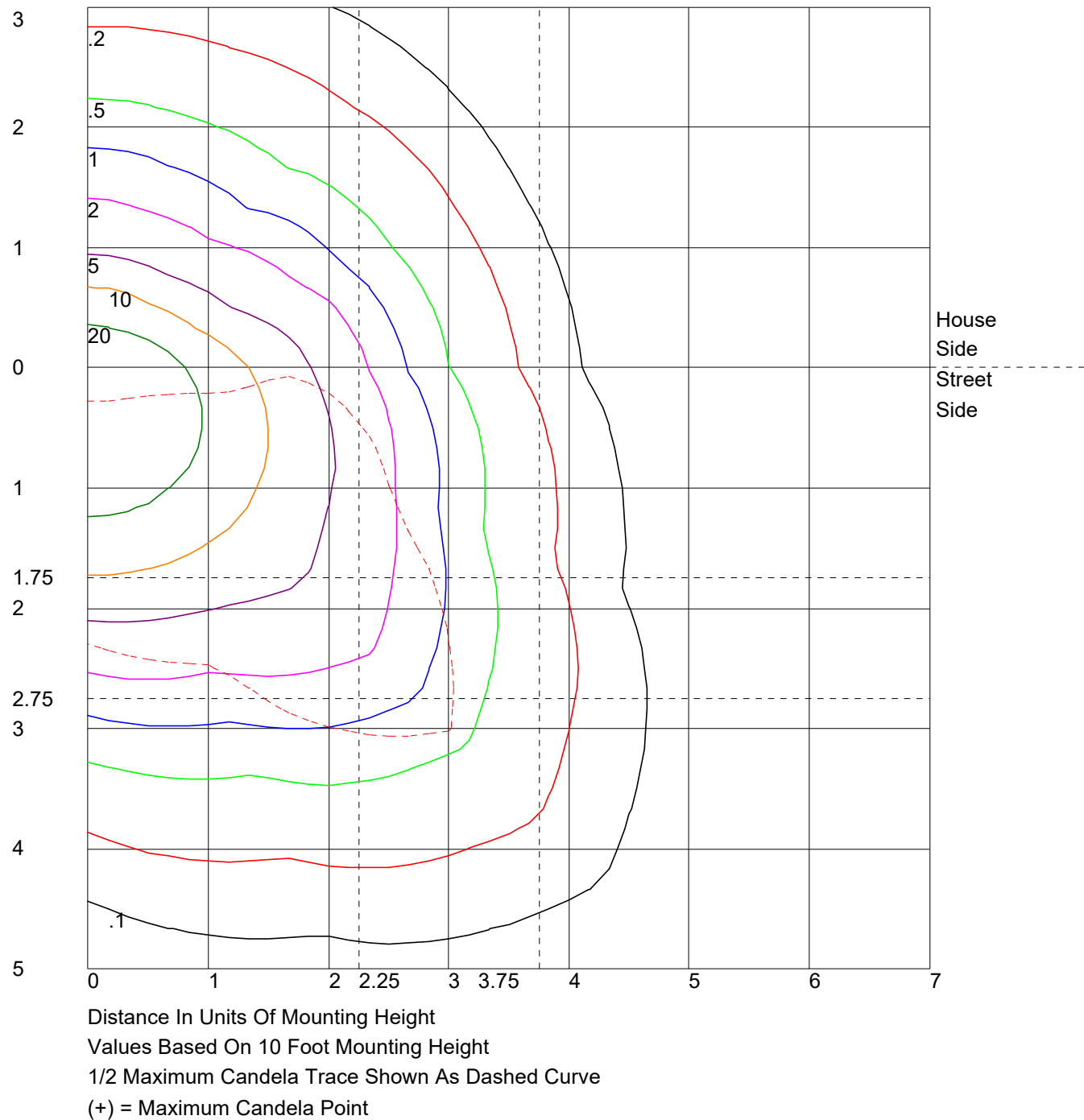
	Lumens	Percent Of Lamp
Downward Street Side	15452.0	76.7
Downward House Side	4707.0	23.3
Downward Total	20159.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20159.0	100.0

POLAR GRAPH

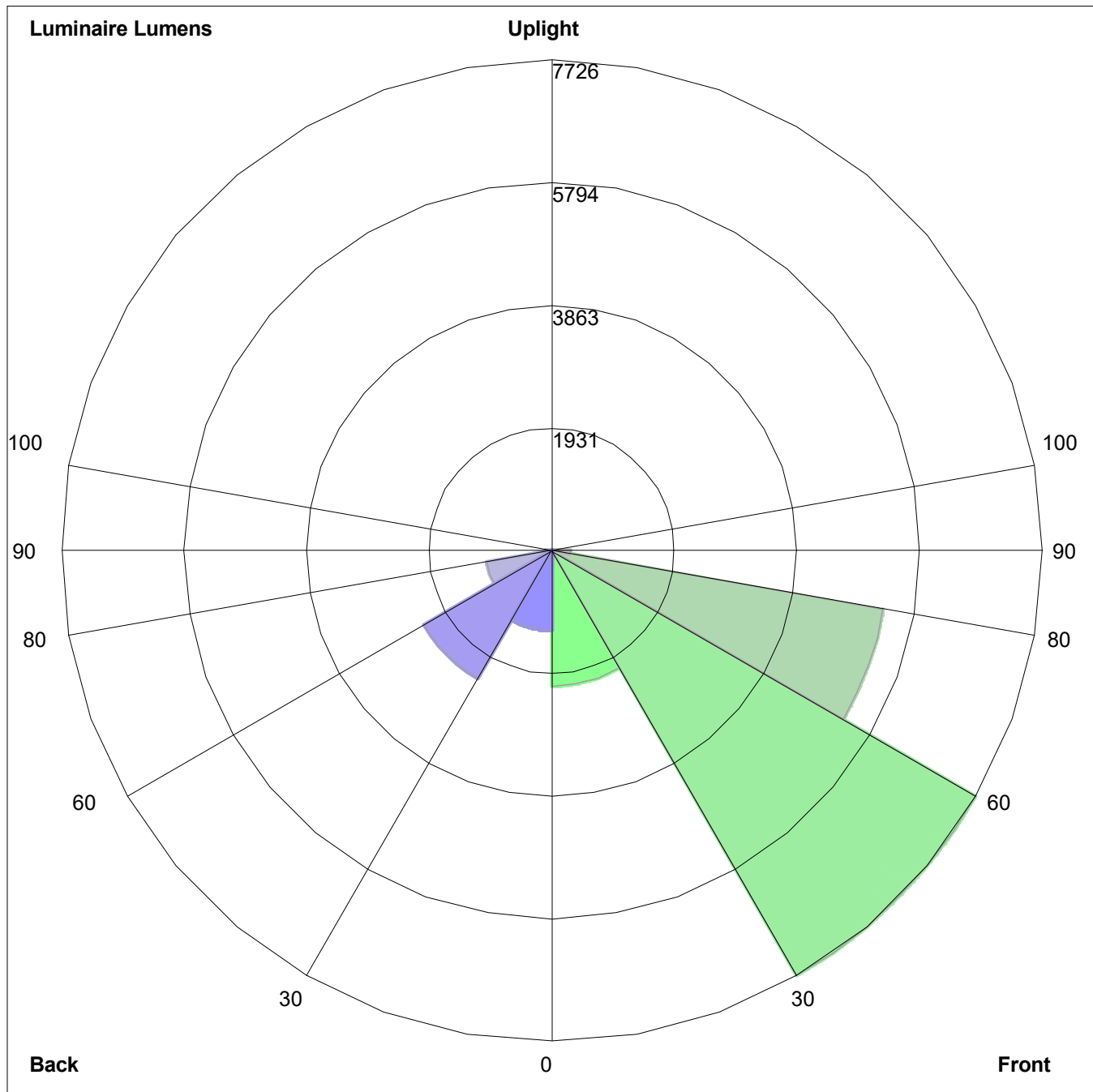


Maximum Candela = 10330.678 Located At Horizontal Angle = 315, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2130.6, Medium= 7726.0, High=5309.3, Very High=286.1  
Back: Low=1255.8, Medium=2318.9, High=1036.6, Very High=95.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3