



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S MD 3 UV 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-A  
[ISSUEDATE] 2020-10-06 17:33  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK S MD 3 UV 840  
[LUMINAIRE] LED Small Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 0.562 A  
[\_POWERFACTOR] 0.998  
[\_THD] 3.12  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.6 'C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

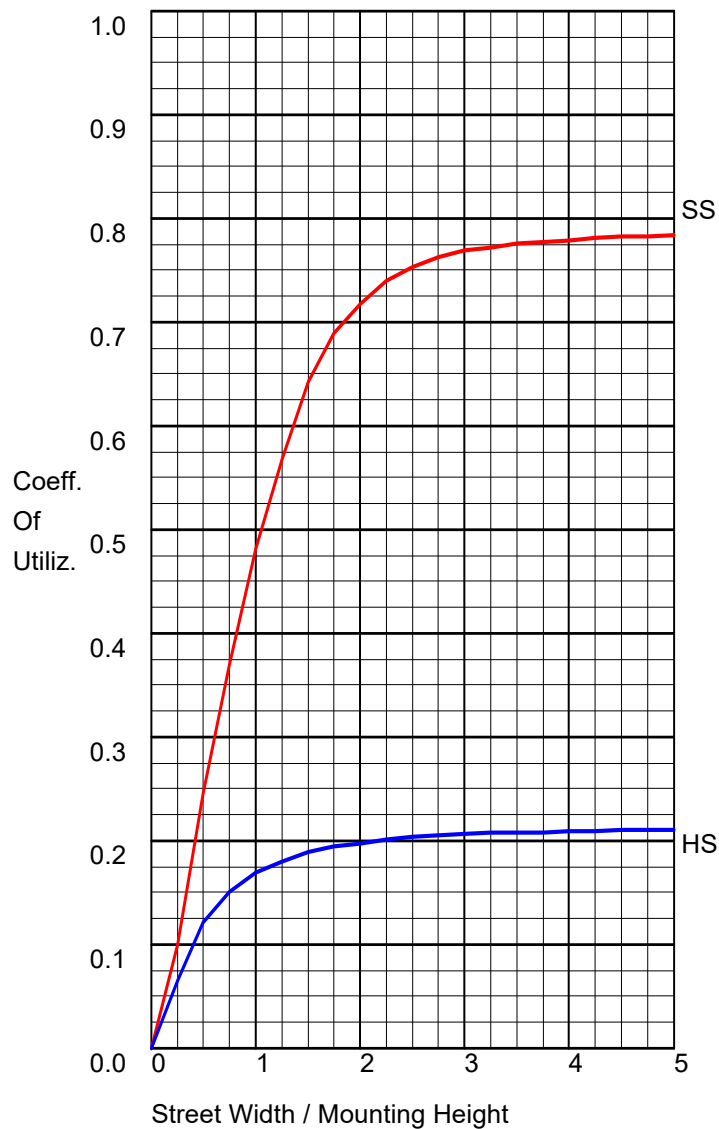
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	9299.6 (1 lamp)
Total Lamp Lumens	9299.6
Luminaire Lumens	9300
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	67.29
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4949.22
Maximum Candela Angle	292.5H 70V
Maximum Candela (<90 Degrees Vertical)	4949.22
Maximum Candela Angle (<90 Degrees Vertical)	292.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1139.82 (12.3% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1026.4	11.0	11.0
FM - Front-Medium (30-60)	3807.4	40.9	40.9
FH - Front-High (60-80)	2397.4	25.8	25.8
FVH - Front-Very High (80-90)	95.2	1.0	1.0
BL - Back-Low (0-30)	529.5	5.7	5.7
BM - Back-Medium (30-60)	925.2	9.9	9.9
BH - Back-High (60-80)	485.2	5.2	5.2
BVH - Back-Very High (80-90)	33.4	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	9299.7	99.9	100.0
BUG Rating	B2-U0-G2		

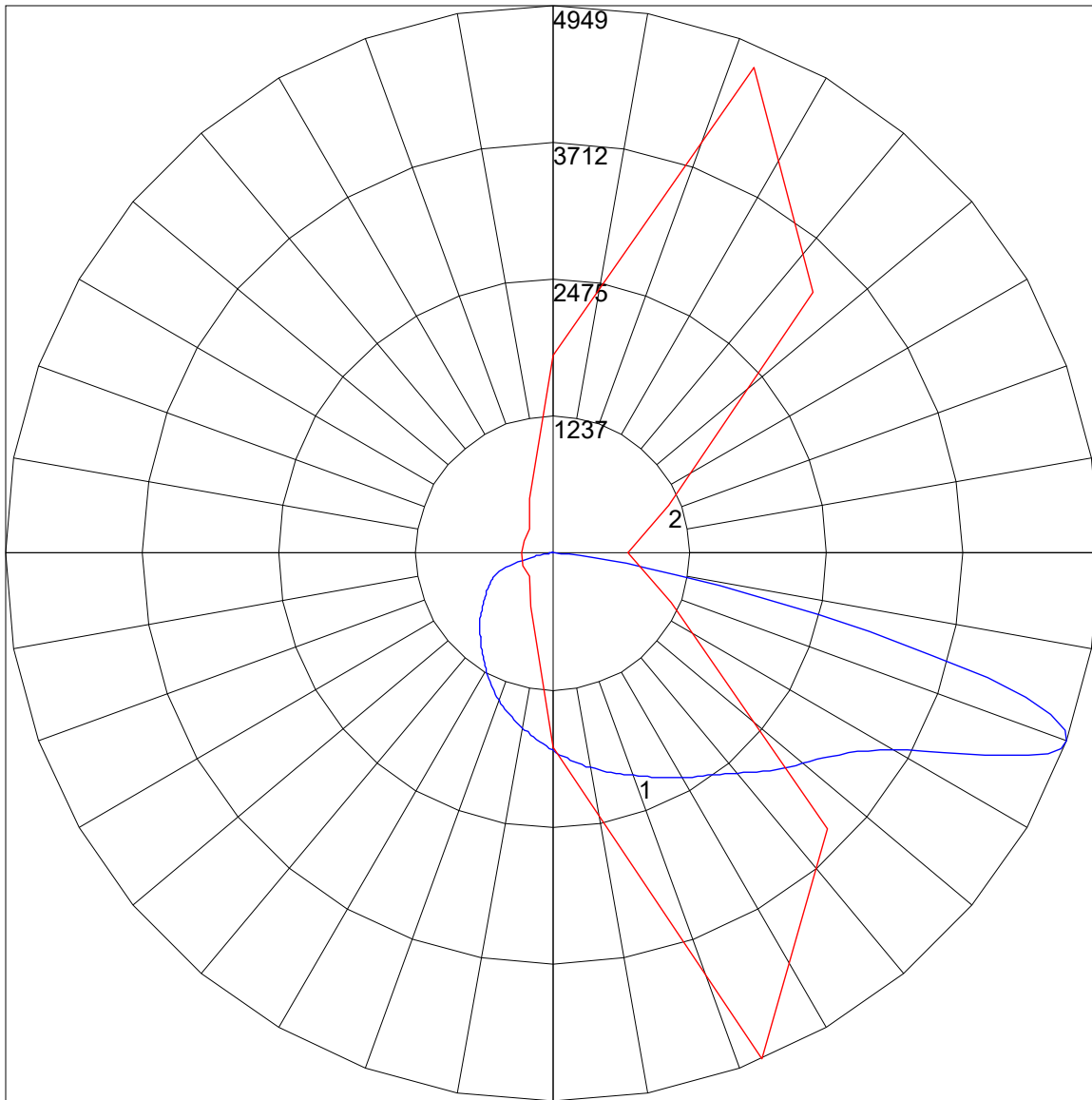
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

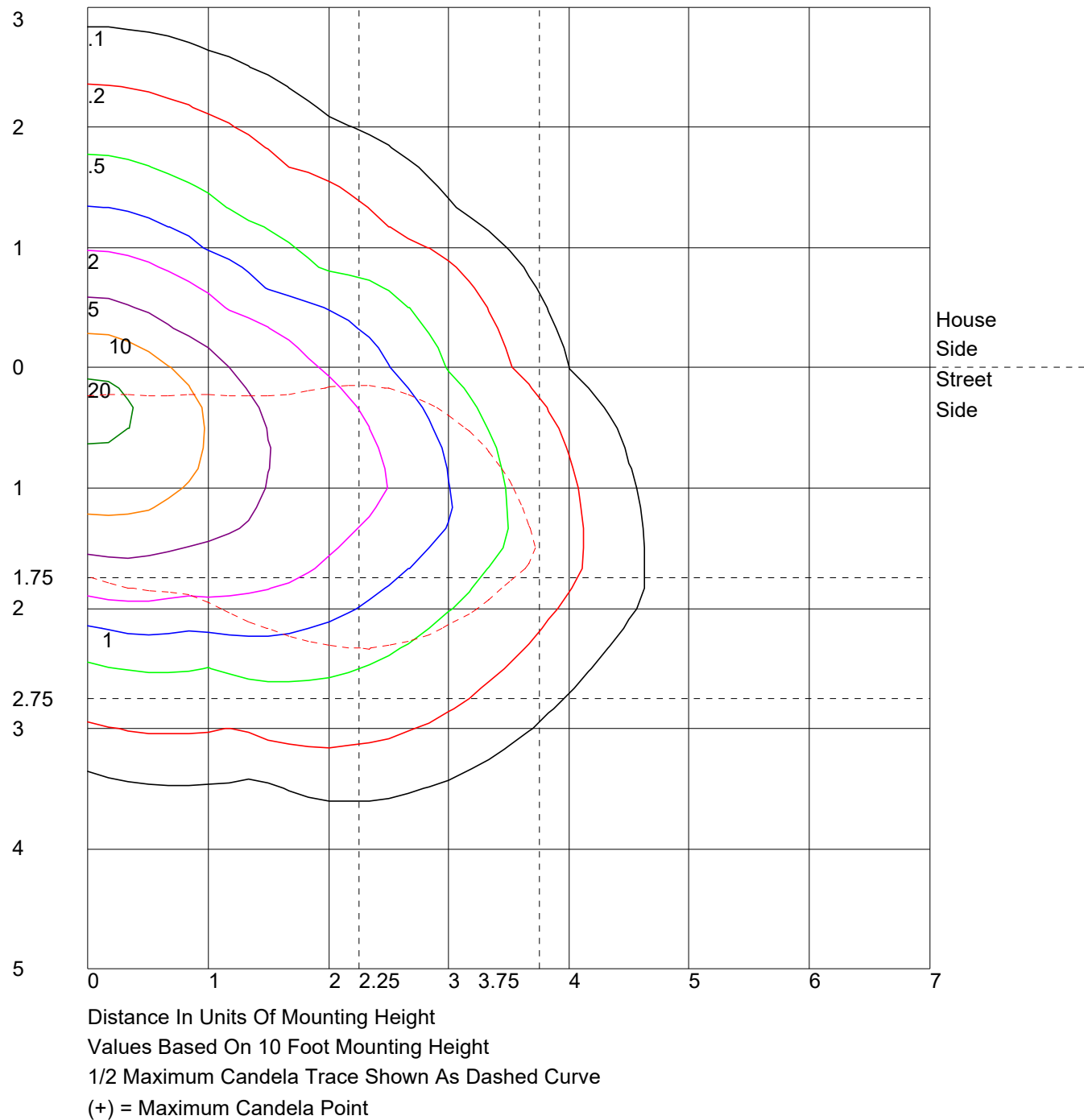
	Lumens	Percent Of Lamp
Downward Street Side	7326.3	78.8
Downward House Side	1973.3	21.2
Downward Total	9299.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9299.6	100.0

POLAR GRAPH

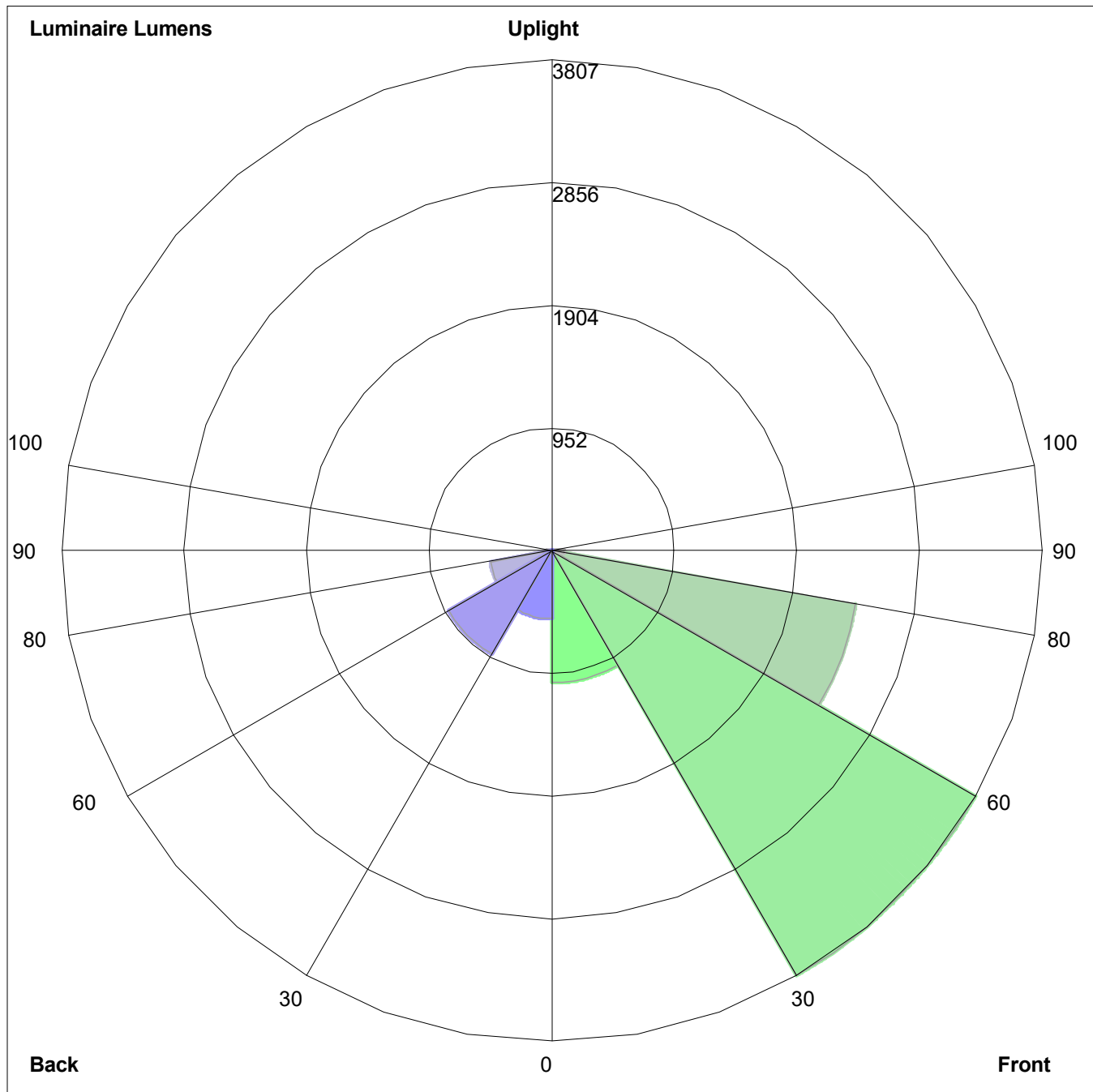


Maximum Candela = 4949.22 Located At Horizontal Angle = 292.5, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1026.4, Medium=3807.4, High=2397.4, Very High=95.2  
Back: Low=529.5, Medium=925.2, High=485.2, Very High=33.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2