



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S MD 4 UV 850.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] BLC2010022E-A  
[ISSUEDATE] 2020-11-06 15:12  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] ALK S MD 4 UV 850  
[LUMINAIRE] LED Small Area Light  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 0.561 A  
[\_POWERFACTOR] 0.998  
[\_THD] 3.65  
[TESTLAB] Belling Test Laboratory Co., LTD  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.040 m [K=1.0000]  
[\_TESTTEMPERATURE] 25.0 °C  
[\_TESTHUMIDITY]  
[\_TESTOPERATOR]

### CHARACTERISTICS

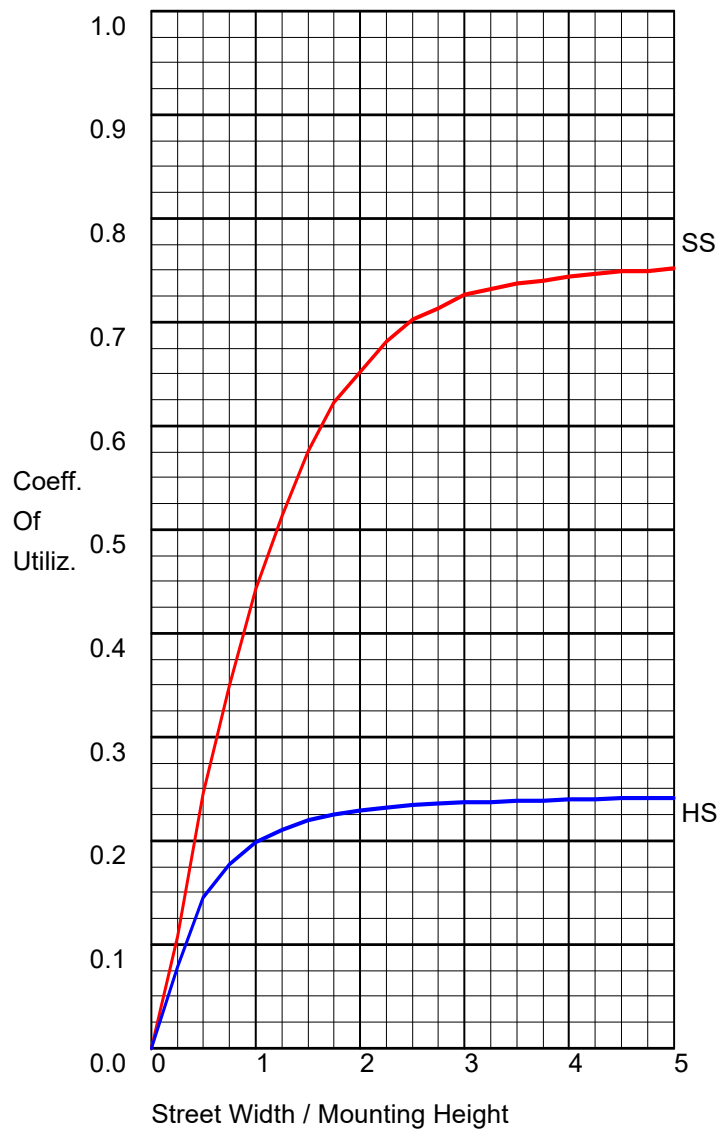
|                                                 |                              |
|-------------------------------------------------|------------------------------|
| IES Classification                              | Type IV                      |
| Longitudinal Classification                     | Short                        |
| Lumens Per Lamp                                 | 9498.572 (1 lamp)            |
| Total Lamp Lumens                               | 9498.572                     |
| Luminaire Lumens                                | 9499                         |
| Downward Total Efficiency                       | 100 %                        |
| Total Luminaire Efficiency                      | 100 %                        |
| Luminaire Efficacy Rating (LER)                 | 141                          |
| Total Luminaire Watts                           | 67.23                        |
| Ballast Factor                                  | 1.00                         |
| Upward Waste Light Ratio                        | 0.00                         |
| Maximum Candela                                 | 4613.781                     |
| Maximum Candela Angle                           | 315H 71V                     |
| Maximum Candela (<90 Degrees Vertical)          | 4613.781                     |
| Maximum Candela Angle (<90 Degrees Vertical)    | 315H 71V                     |
| Maximum Candela At 90 Degrees Vertical          | 0 (0.0% Lamp Lumens)         |
| Maximum Candela from 80 to <90 Degrees Vertical | 1193.623 (12.6% Lamp Lumens) |
| Cutoff Classification (deprecated)              | Semi-Cutoff                  |

**IES ROAD REPORT**  
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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 1095.1   | 11.5   | 11.5        |
| FM - Front-Medium (30-60)     | 3587.9   | 37.8   | 37.8        |
| FH - Front-High (60-80)       | 2413.9   | 25.4   | 25.4        |
| FVH - Front-Very High (80-90) | 99.7     | 1.1    | 1.1         |
| BL - Back-Low (0-30)          | 660.7    | 7.0    | 7.0         |
| BM - Back-Medium (30-60)      | 1147.6   | 12.1   | 12.1        |
| BH - Back-High (60-80)        | 468.3    | 4.9    | 4.9         |
| BVH - Back-Very High (80-90)  | 25.5     | 0.3    | 0.3         |
| UL - Uplight-Low (90-100)     | 0.0      | 0.0    | 0.0         |
| UH - Uplight-High (100-180)   | 0.0      | 0.0    | 0.0         |
| Total                         | 9498.7   | 100.1  | 100.0       |
| BUG Rating                    | B2-U0-G2 |        |             |

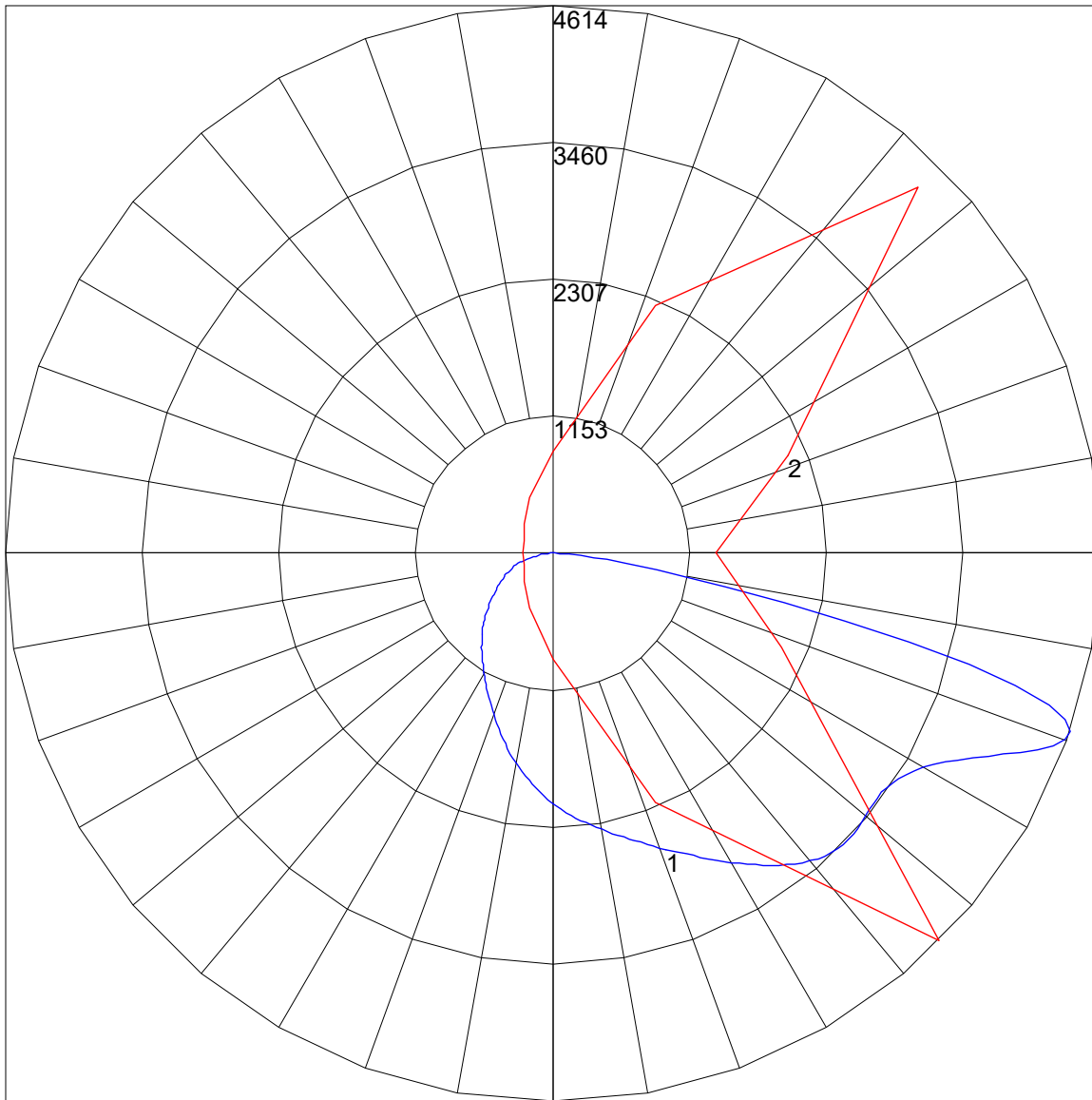
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

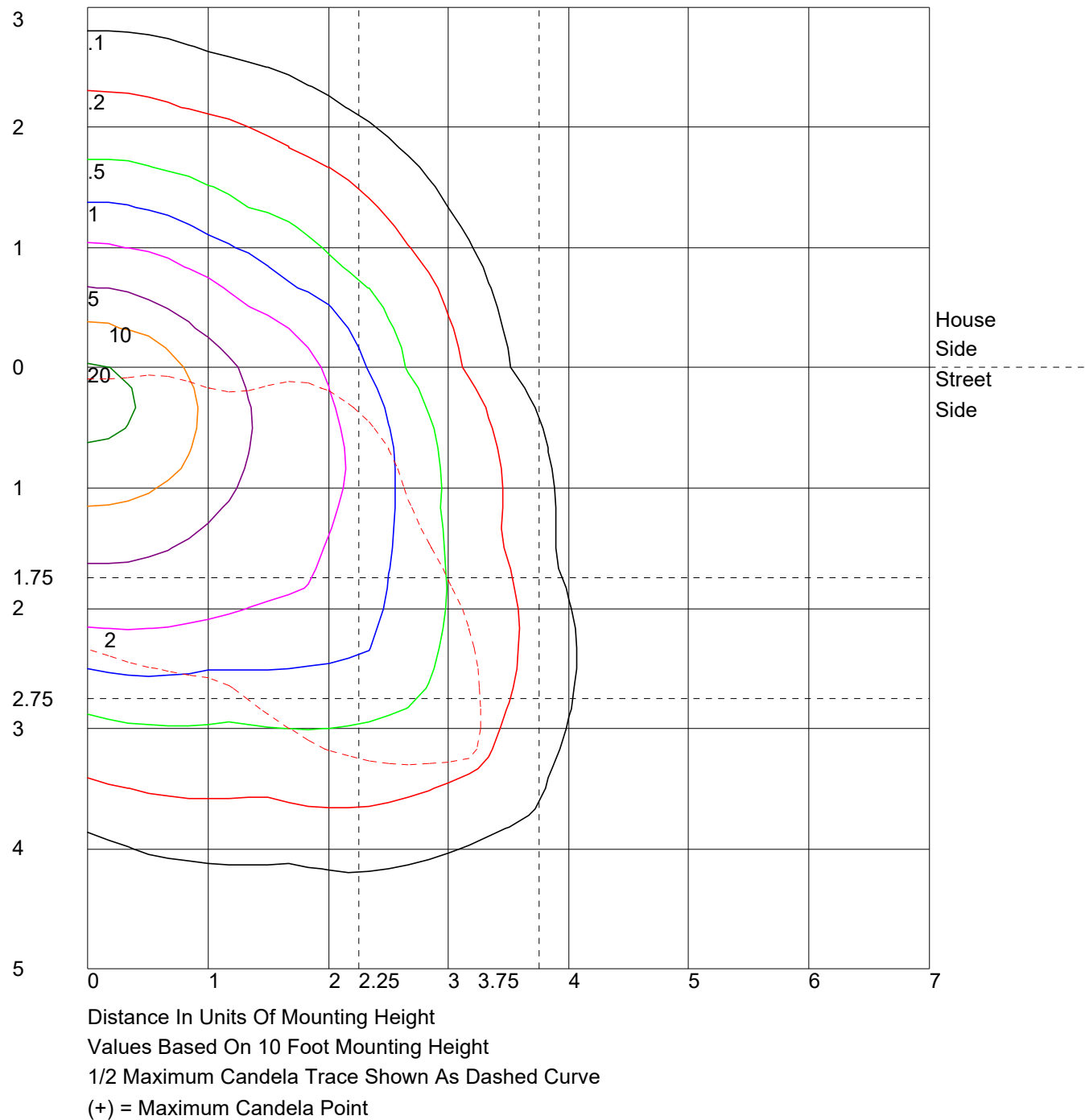
|                      | Lumens | Percent<br>Of Lamp |
|----------------------|--------|--------------------|
| Downward Street Side | 7196.6 | 75.8               |
| Downward House Side  | 2301.9 | 24.2               |
| Downward Total       | 9498.5 | 100.0              |
| Upward Street Side   | 0.0    | 0.0                |
| Upward House Side    | 0.0    | 0.0                |
| Upward Total         | 0.0    | 0.0                |
| Total Flux           | 9498.5 | 100.0              |

POLAR GRAPH

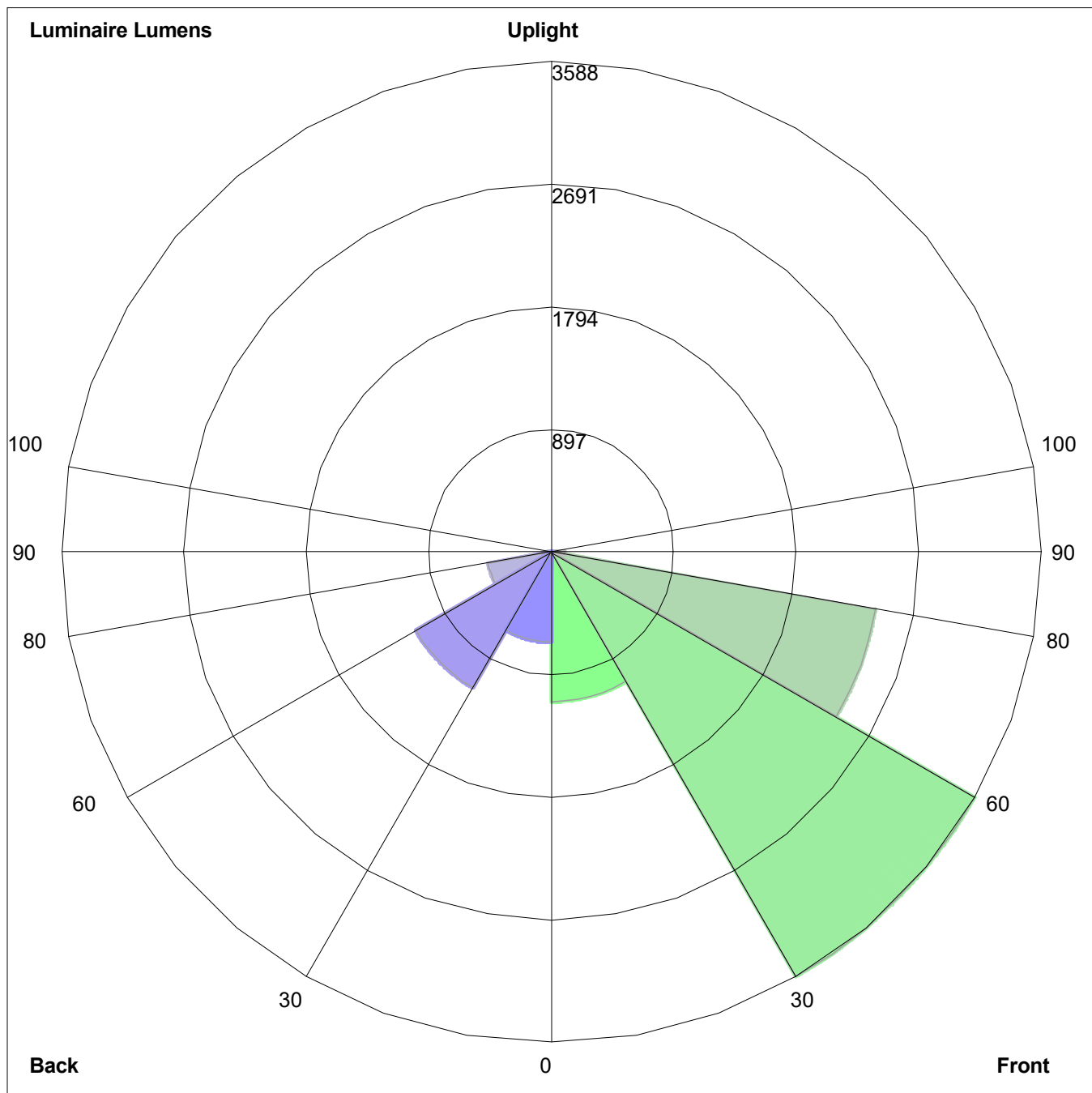


Maximum Candela = 4613.781 Located At Horizontal Angle = 315, Vertical Angle = 71  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1095.1, Medium=3587.9, High=2413.9, Very High=99.7  
Back: Low=660.7, Medium=1147.6, High=468.3, Very High=25.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2