



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 3 UV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022E-B
[ISSUEDATE] 2020-11-06 16:24
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK S HI 3 UV 850
[LUMINAIRE] LED Small Area Light
[_VOLTAGE] 120.0 V
[_CURRENT] 0.837 A
[_POWERFACTOR] 0.999
[_THD] 3.65
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.5 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

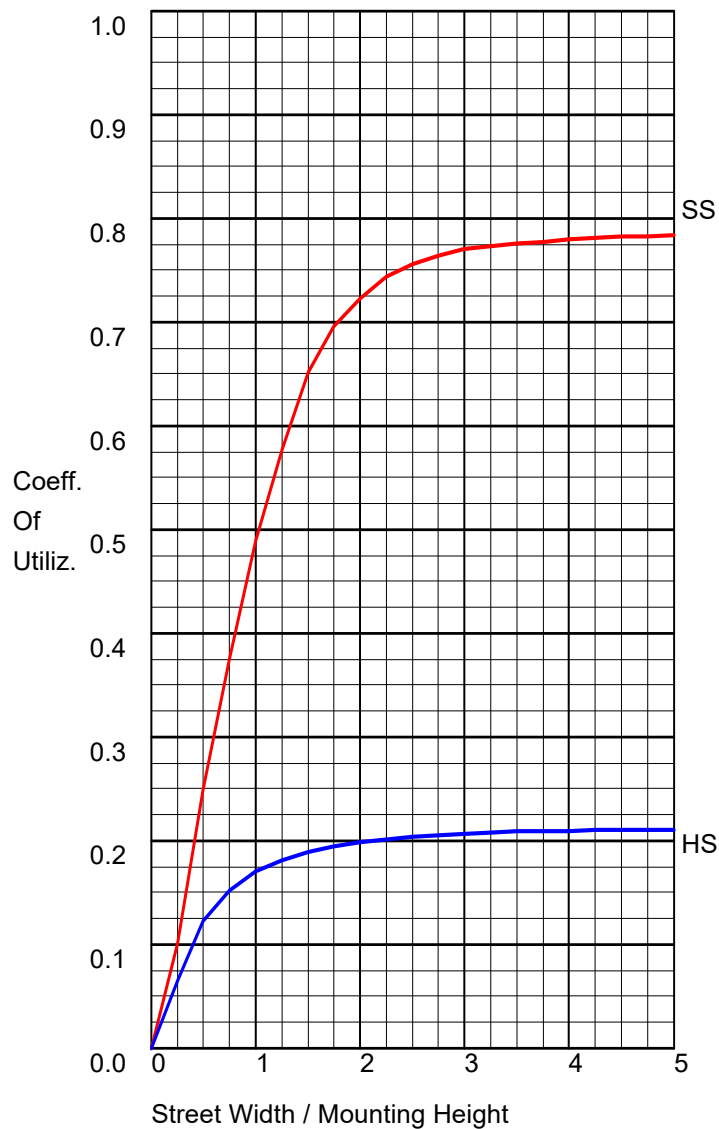
| | |
|---|-----------------------------|
| IES Classification | Type III |
| Longitudinal Classification | Medium |
| Lumens Per Lamp | 14202.5 (1 lamp) |
| Total Lamp Lumens | 14202.5 |
| Luminaire Lumens | 14202 |
| Downward Total Efficiency | 100 % |
| Total Luminaire Efficiency | 100 % |
| Luminaire Efficacy Rating (LER) | 141 |
| Total Luminaire Watts | 100.46 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 7687.305 |
| Maximum Candela Angle | 292.5H 69V |
| Maximum Candela (<90 Degrees Vertical) | 7687.305 |
| Maximum Candela Angle (<90 Degrees Vertical) | 292.5H 69V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Lamp Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1488.29 (10.5% Lamp Lumens) |
| Cutoff Classification (deprecated) | Semi-Cutoff |

IES ROAD REPORT
PHOTOMETRIC FILENAME : ALK S HI 3 UV 850.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1562.2 | 11.0 | 11.0 |
| FM - Front-Medium (30-60) | 5926.8 | 41.7 | 41.7 |
| FH - Front-High (60-80) | 3561.7 | 25.1 | 25.1 |
| FVH - Front-Very High (80-90) | 129.4 | 0.9 | 0.9 |
| BL - Back-Low (0-30) | 801.0 | 5.6 | 5.6 |
| BM - Back-Medium (30-60) | 1419.3 | 10.0 | 10.0 |
| BH - Back-High (60-80) | 751.8 | 5.3 | 5.3 |
| BVH - Back-Very High (80-90) | 50.2 | 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 | 14202.4 | 100.0 | 100.0 |
| BUG Rating | B2-U0-G2 | | |

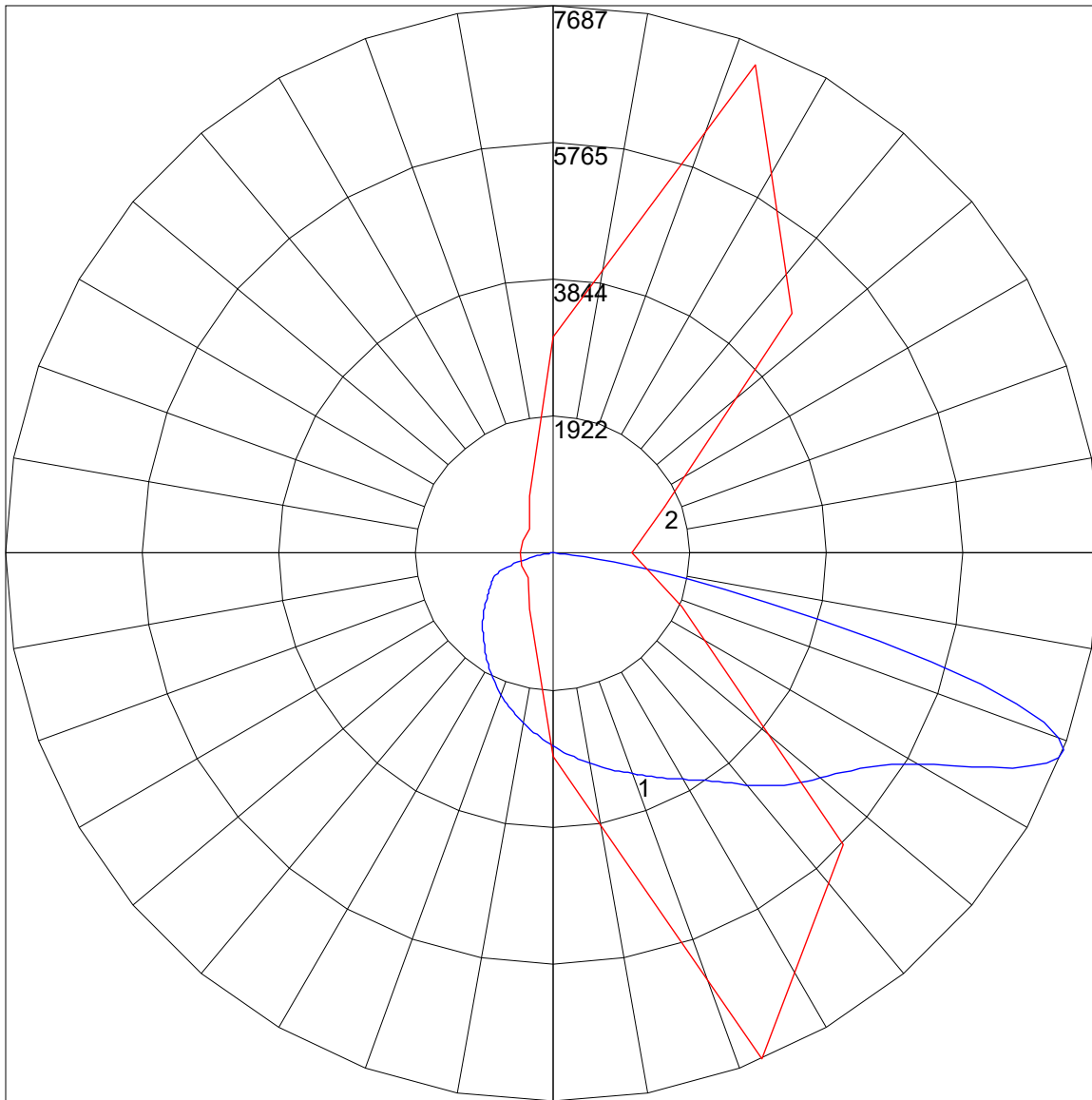
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

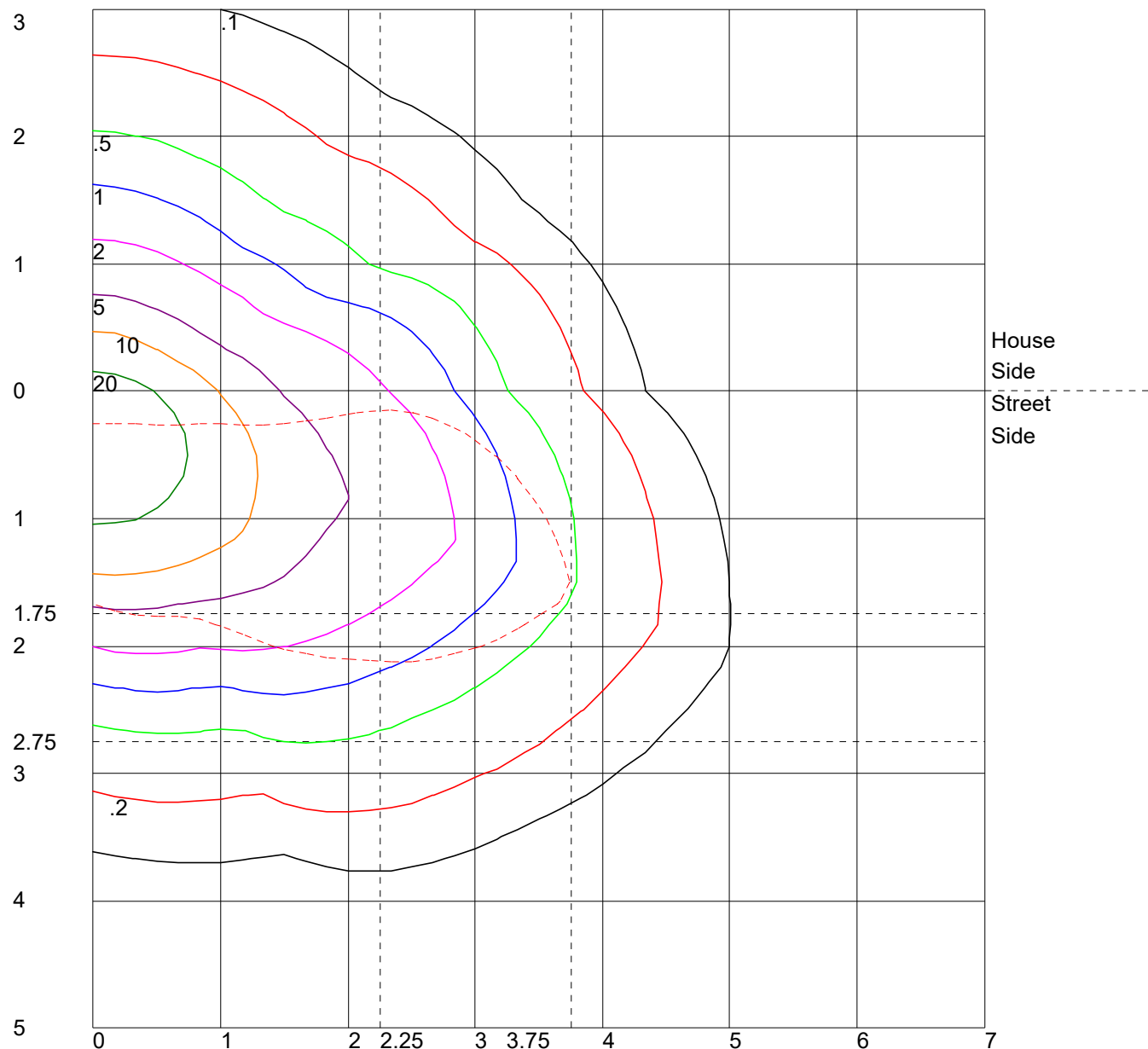
| | Lumens | Percent Of Lamp |
|----------------------|---------|--------------------|
| Downward Street Side | 11180.2 | 78.7 |
| Downward House Side | 3022.3 | 21.3 |
| Downward Total | 14202.5 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 14202.5 | 100.0 |

POLAR GRAPH



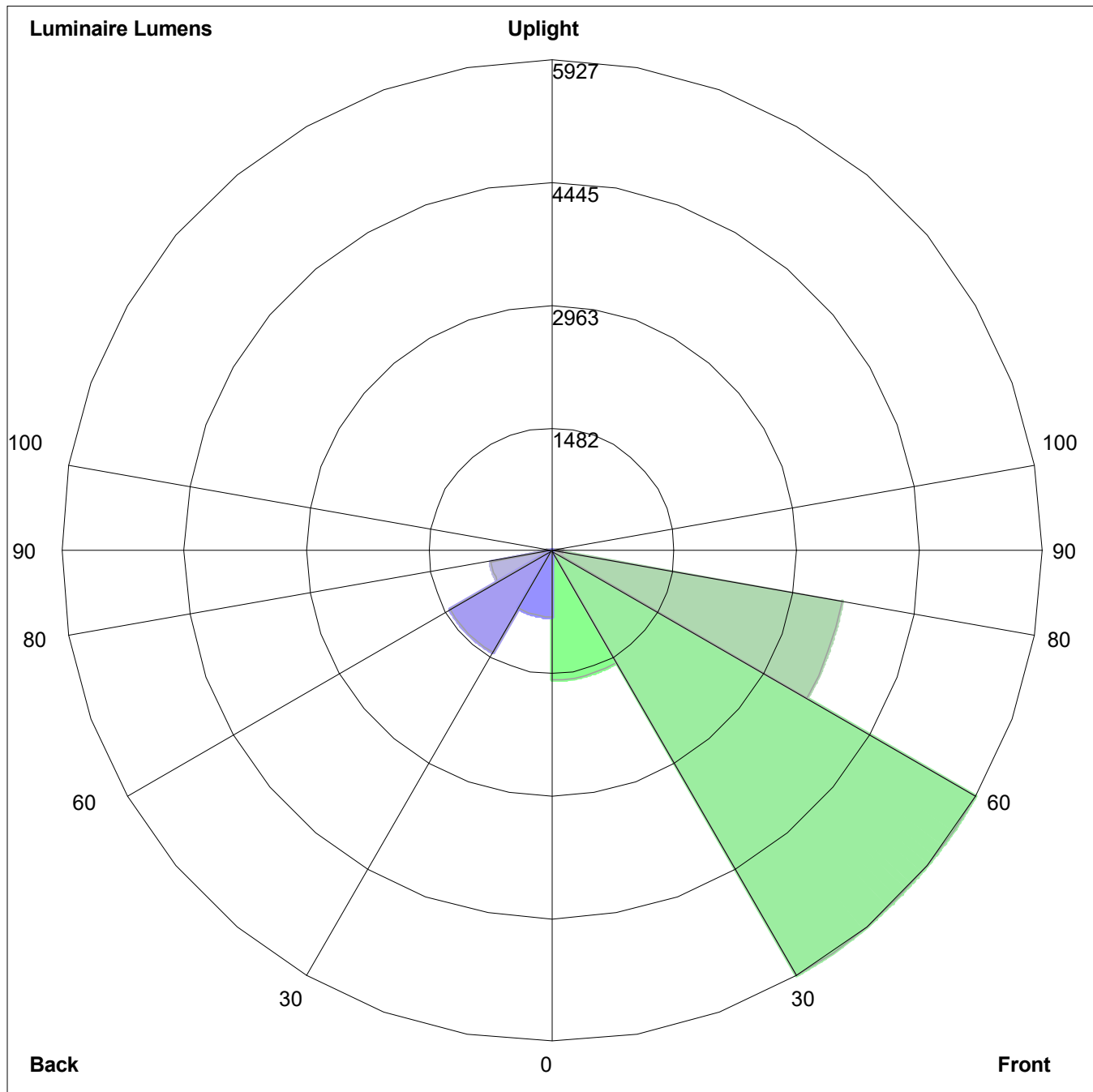
Maximum Candela = 7687.305 Located At Horizontal Angle = 292.5, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

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=1562.2, Medium=5926.8, High=3561.7, Very High=129.4
Back: Low=801.0, Medium=1419.3, High=751.8, Very High=50.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2