



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 2 UV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2012022E-B
[ISSUEDATE] 2020-12-15 09:44
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK S HI 2 UV 850
[LUMINAIRE] LED Small Area Light
[_VOLTAGE] 120.0 V
[_CURRENT] 0.841 A
[_POWERFACTOR] 0.998
[_THD] 2.86
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 24.9 °C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

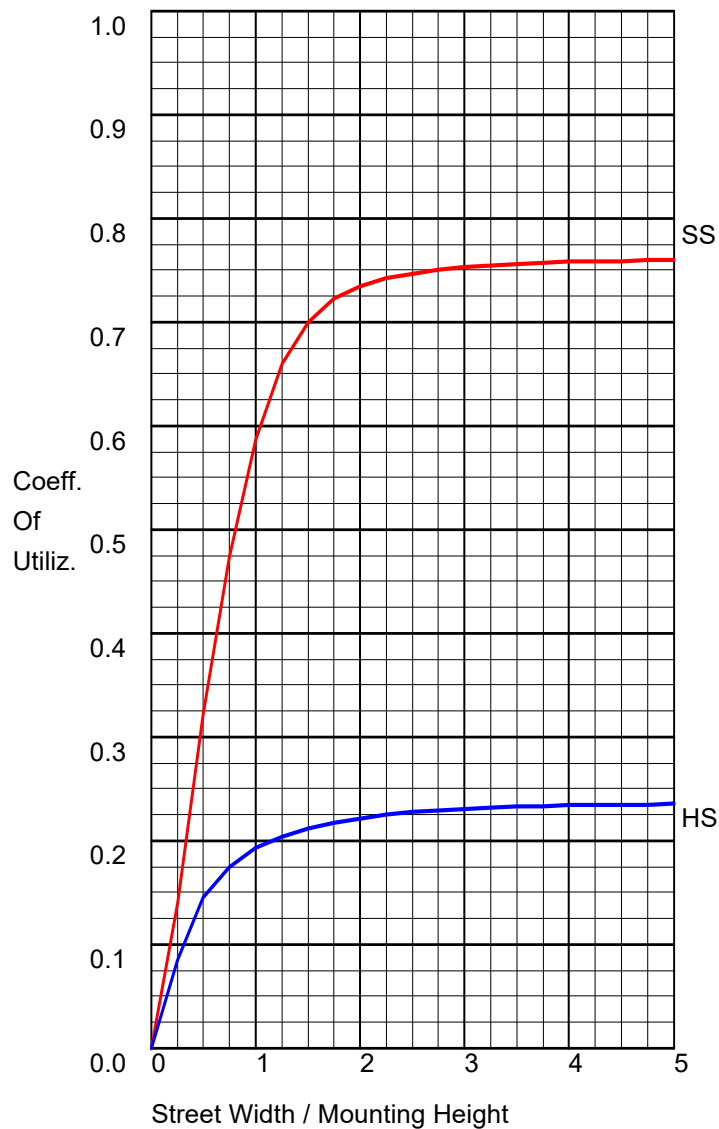
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	14439.79 (1 lamp)
Total Lamp Lumens	14439.79
Luminaire Lumens	14440
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	100.69
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7161.08
Maximum Candela Angle	285H 68V
Maximum Candela (<90 Degrees Vertical)	7161.08
Maximum Candela Angle (<90 Degrees Vertical)	285H 68V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2275.141 (15.8% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2076.4	14.4	14.4
FM - Front-Medium (30-60)	6158.0	42.6	42.6
FH - Front-High (60-80)	2642.7	18.3	18.3
FVH - Front-Very High (80-90)	131.6	0.9	0.9
BL - Back-Low (0-30)	867.5	6.0	6.0
BM - Back-Medium (30-60)	1561.7	10.8	10.8
BH - Back-High (60-80)	936.9	6.5	6.5
BVH - Back-Very High (80-90)	65.0	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	14439.8	100.0	100.0
BUG Rating	B2-U0-G2		

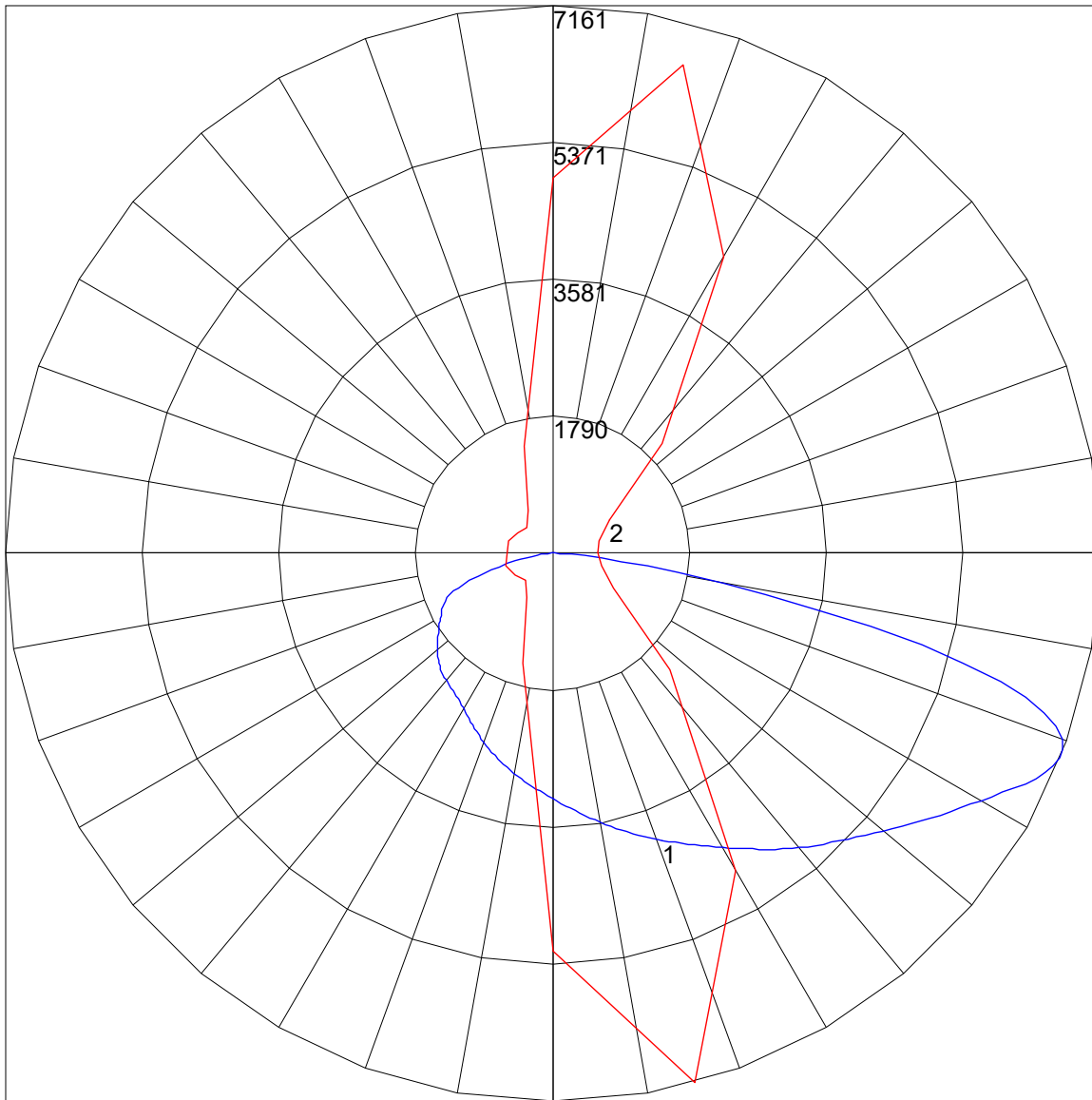
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

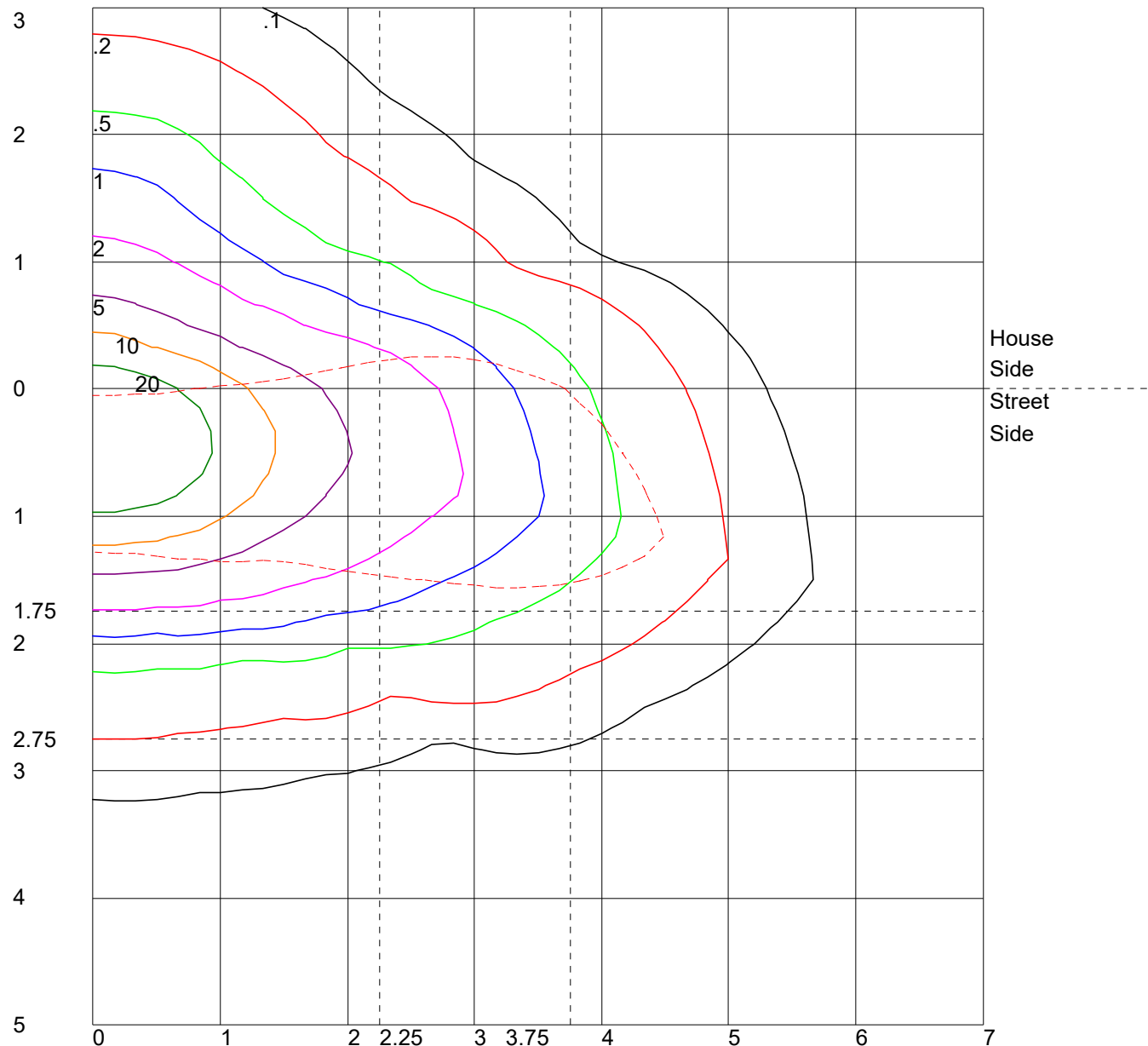
	Lumens	Percent Of Lamp
Downward Street Side	11008.8	76.2
Downward House Side	3431.0	23.8
Downward Total	14439.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14439.8	100.0

POLAR GRAPH



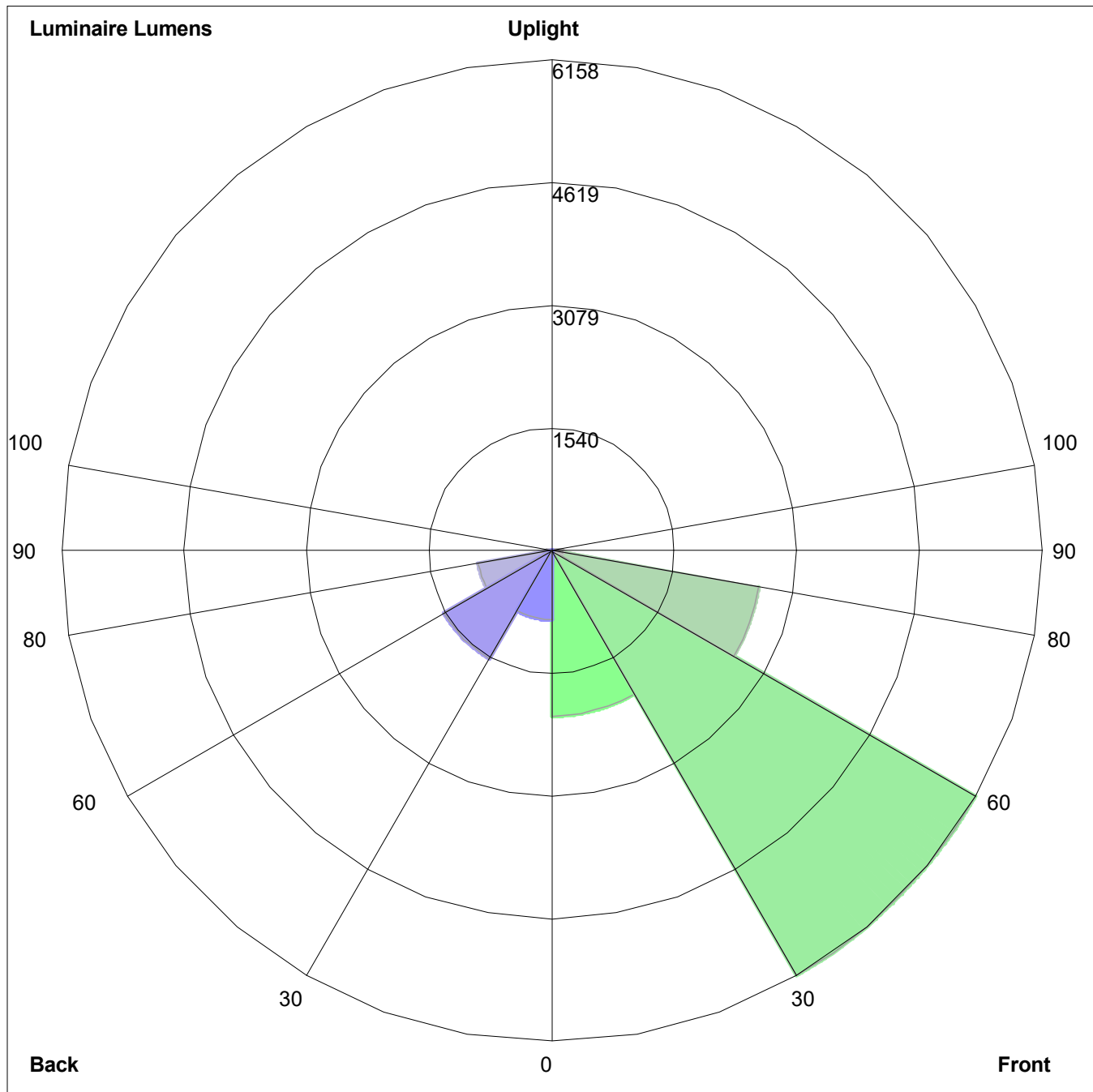
Maximum Candela = 7161.08 Located At Horizontal Angle = 285, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

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=2076.4, Medium= 6158.0, High=2642.7, Very High=131.6
Back: Low=867.5, Medium=1561.7, High=936.9, Very High=65.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2