



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 4 UV 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022E-B
[ISSUEDATE] 2020-11-06 09:13
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK S HI 4 UV 840
[LUMINAIRE] LED Small Area Light
[_VOLTAGE] 120.0 V
[_CURRENT] 0.834 A
[_POWERFACTOR] 0.999
[_THD] 3.98
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.4 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

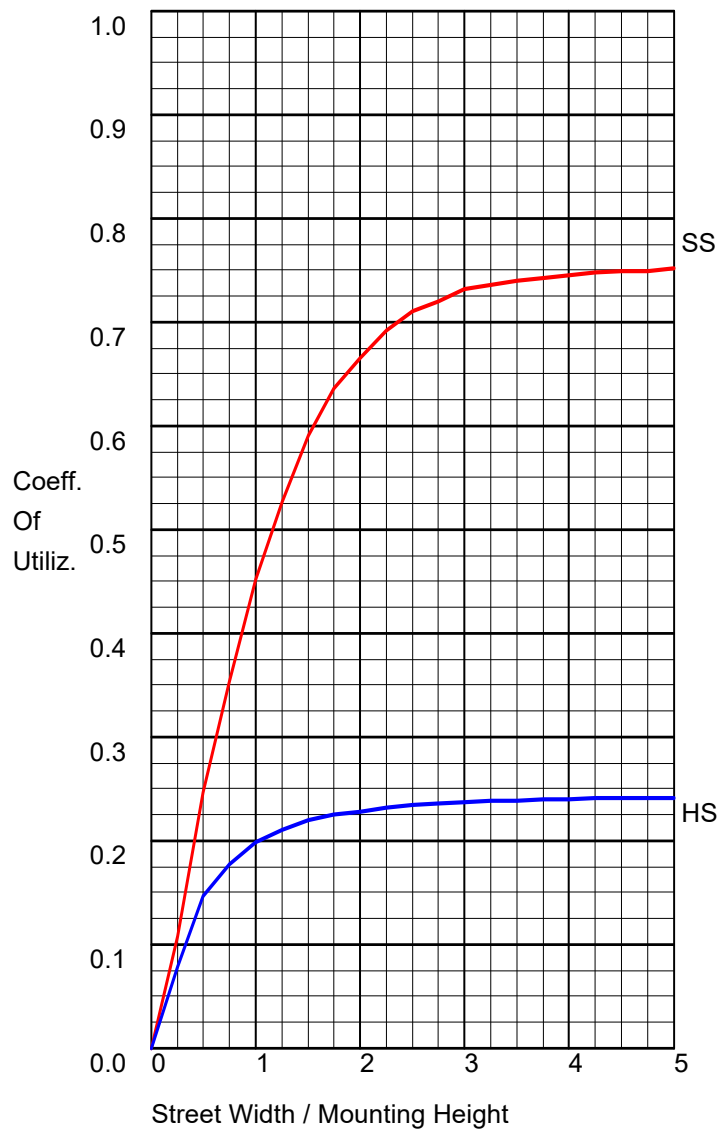
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	13729.6 (1 lamp)
Total Lamp Lumens	13729.6
Luminaire Lumens	13730
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	100.24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6445.44
Maximum Candela Angle	315H 69V
Maximum Candela (<90 Degrees Vertical)	6445.44
Maximum Candela Angle (<90 Degrees Vertical)	315H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1577.69 (11.5% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1564.0	11.4	11.4
FM - Front-Medium (30-60)	5381.3	39.2	39.2
FH - Front-High (60-80)	3319.9	24.2	24.2
FVH - Front-Very High (80-90)	124.1	0.9	0.9
BL - Back-Low (0-30)	936.4	6.8	6.8
BM - Back-Medium (30-60)	1649.4	12.0	12.0
BH - Back-High (60-80)	709.7	5.2	5.2
BVH - Back-Very High (80-90)	44.7	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	13729.5	100.0	100.0
BUG Rating	B2-U0-G2		

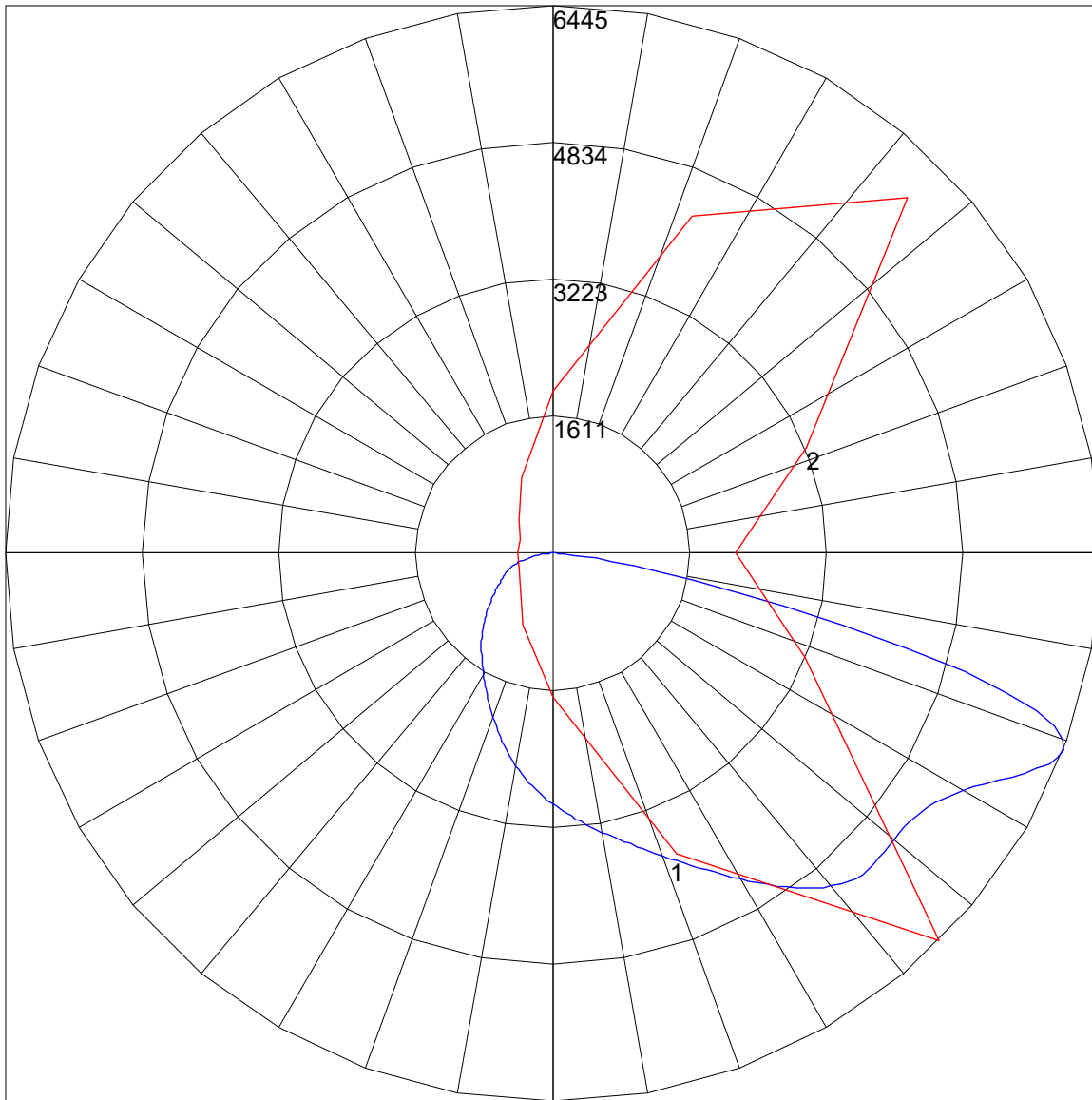
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

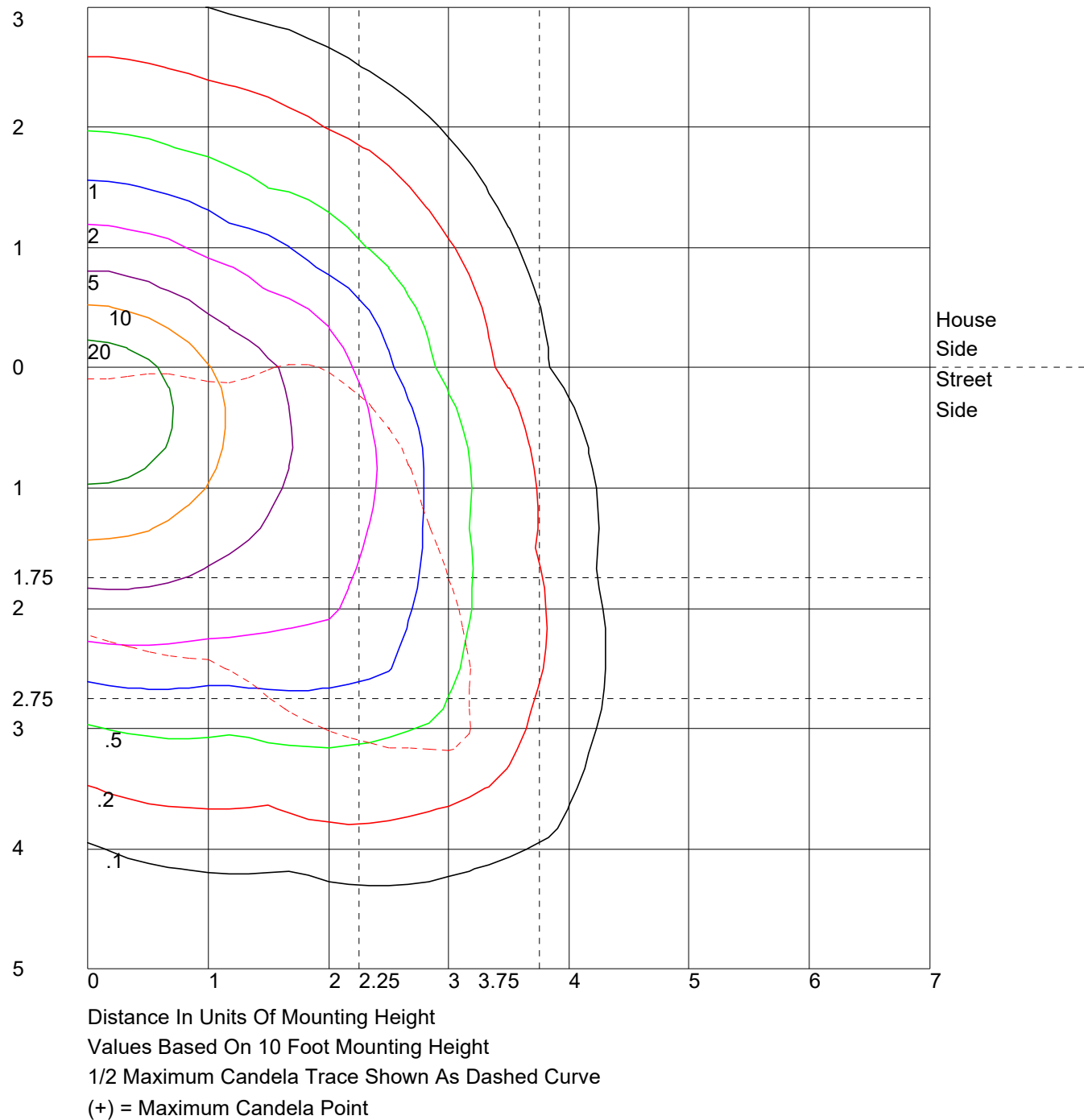
	Lumens	Percent Of Lamp
Downward Street Side	10389.3	75.7
Downward House Side	3340.3	24.3
Downward Total	13729.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13729.6	100.0

POLAR GRAPH

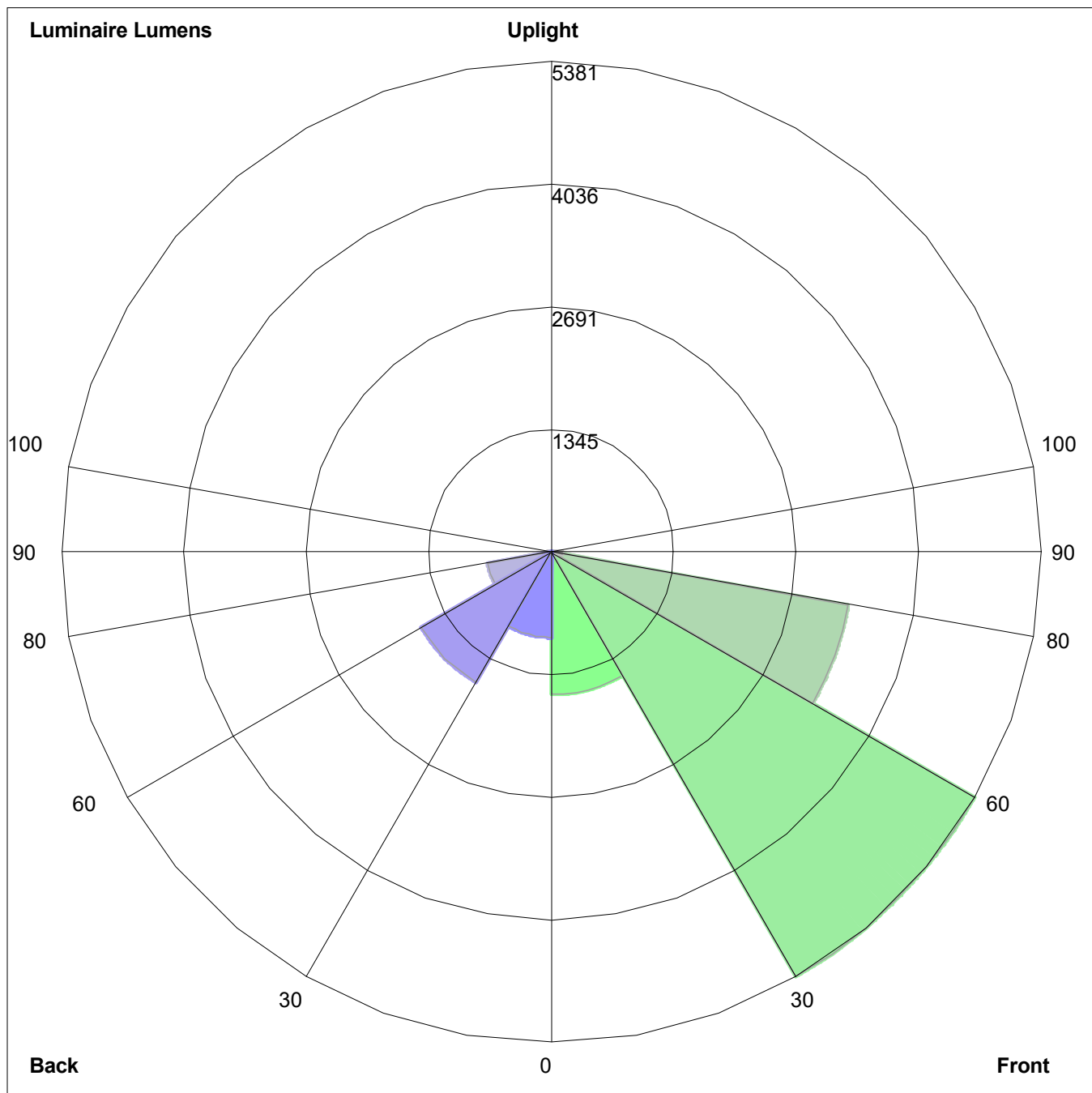


Maximum Candela = 6445.44 Located At Horizontal Angle = 315, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1564.0, Medium=5381.3, High=3319.9, Very High=124.1
Back: Low=936.4, Medium=1649.4, High=709.7, Very High=44.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2