



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 4 UV 850.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 850
[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

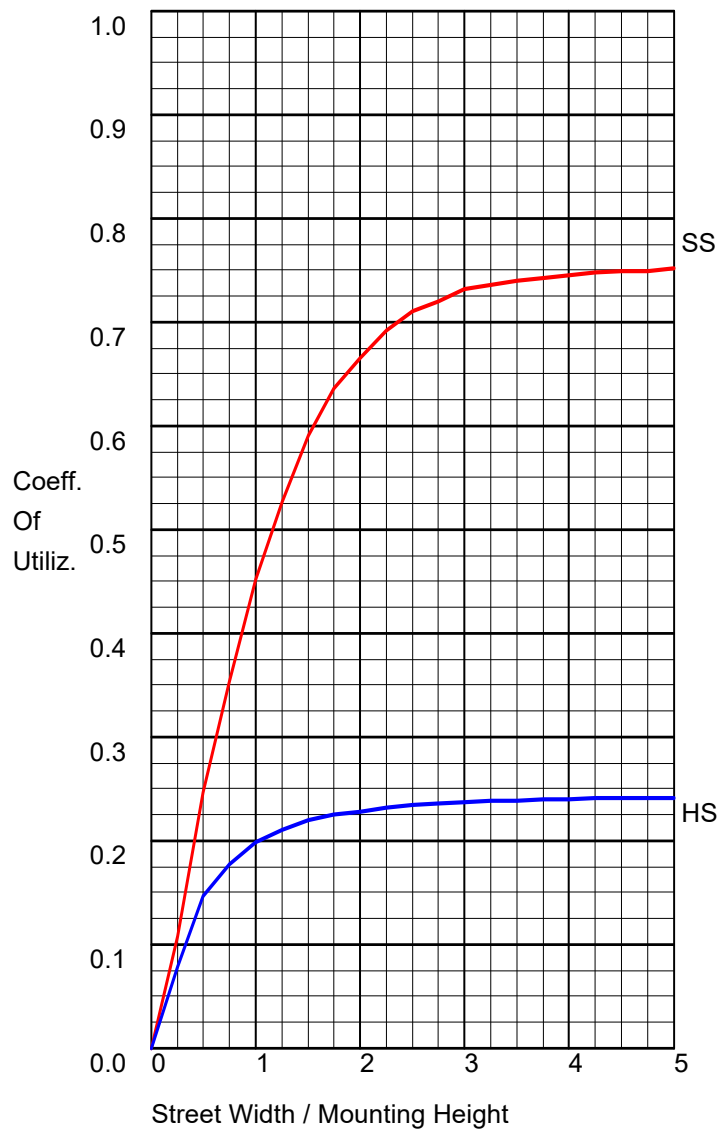
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	14072.84 (1 lamp)
Total Lamp Lumens	14072.84
Luminaire Lumens	14073
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	100.24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6606.576
Maximum Candela Angle	315H 69V
Maximum Candela (<90 Degrees Vertical)	6606.576
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	1617.132 (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)	1603.1	11.4	11.4
FM - Front-Medium (30-60)	5515.8	39.2	39.2
FH - Front-High (60-80)	3402.8	24.2	24.2
FVH - Front-Very High (80-90)	127.2	0.9	0.9
BL - Back-Low (0-30)	959.8	6.8	6.8
BM - Back-Medium (30-60)	1690.6	12.0	12.0
BH - Back-High (60-80)	727.5	5.2	5.2
BVH - Back-Very High (80-90)	45.9	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	14072.7	100.0	100.0
BUG Rating	B2-U0-G2		

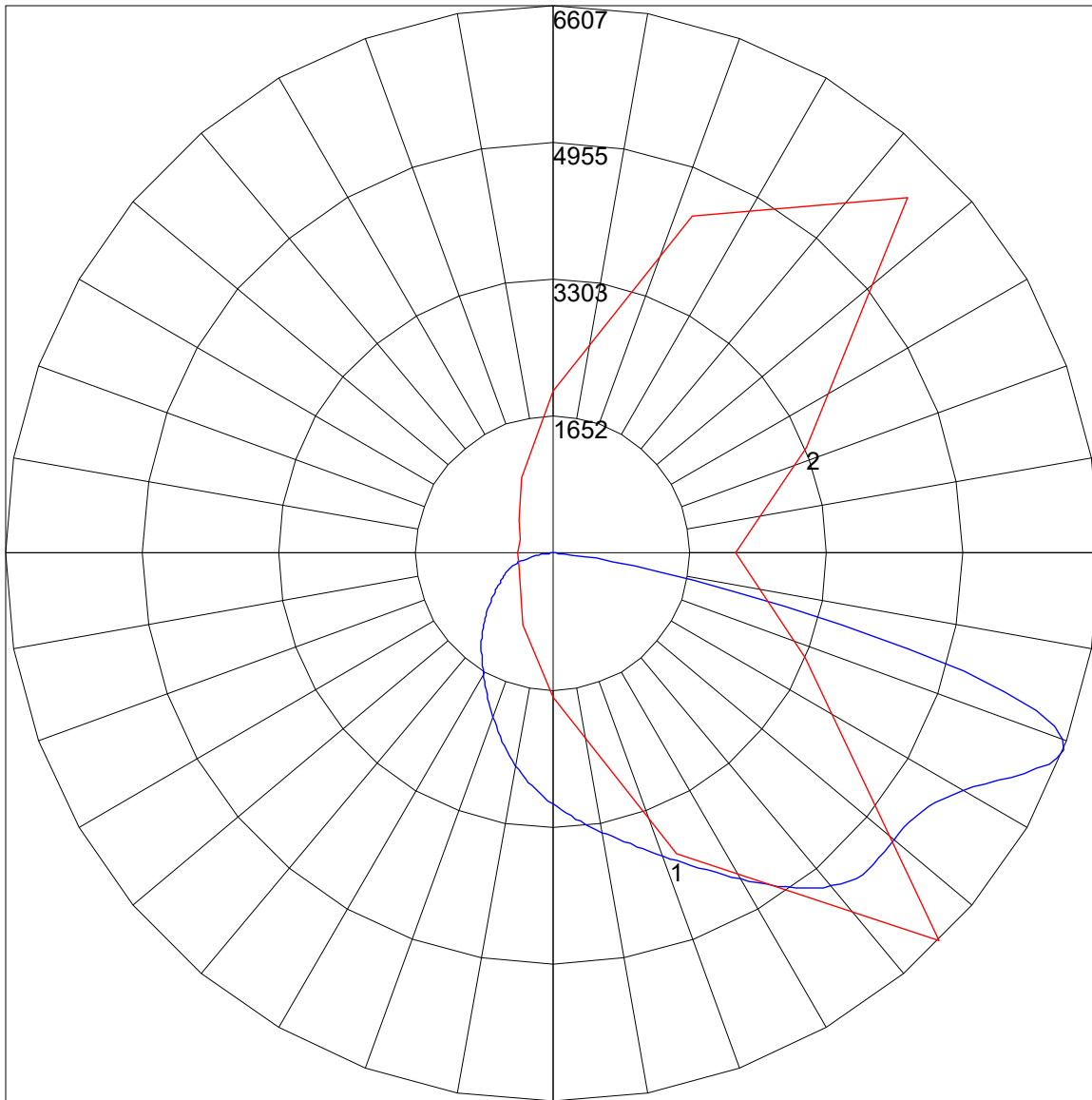
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

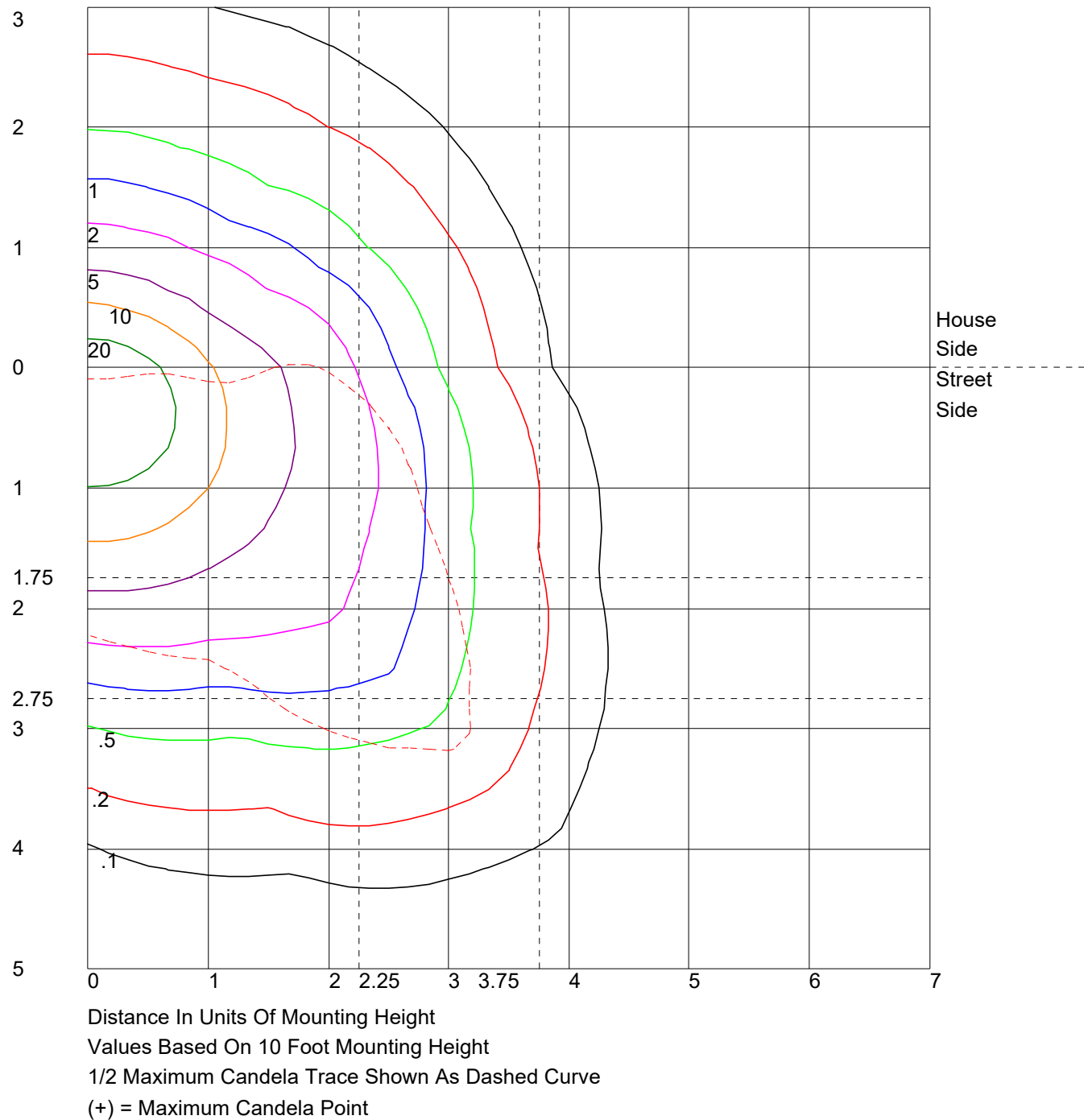
	Lumens	Percent Of Lamp
Downward Street Side	10649.0	75.7
Downward House Side	3423.8	24.3
Downward Total	14072.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14072.8	100.0

POLAR GRAPH

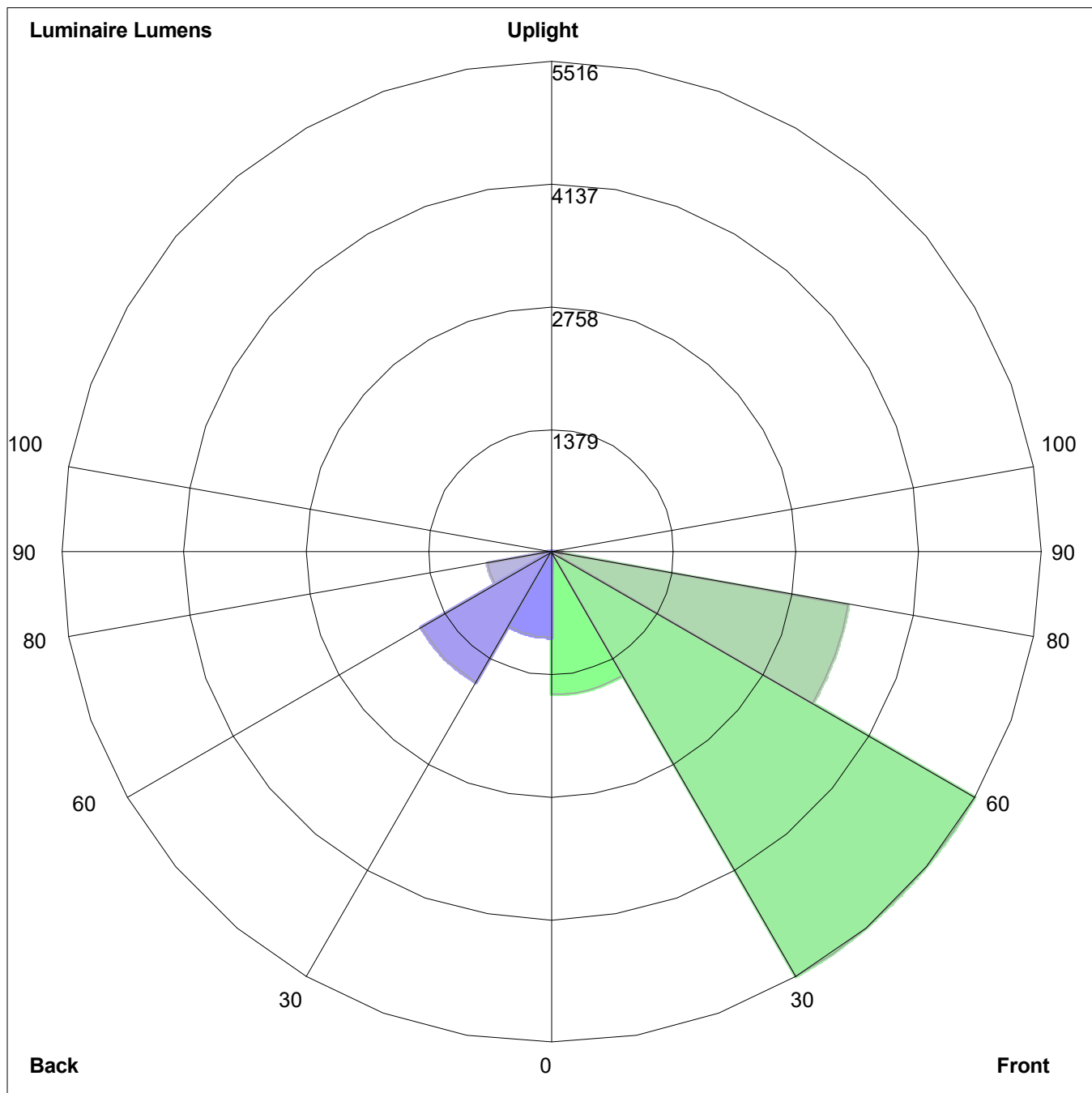


Maximum Candela = 6606.576 Located At Horizontal Angle = 315, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1603.1, Medium=5515.8, High=3402.8, Very High=127.2
Back: Low=959.8, Medium=1690.6, High=727.5, Very High=45.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2