



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 4 UV 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022E-G
[ISSUEDATE] 2020-11-6 10:03
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK L HI 4 UV 840
[LUMINAIRE] LED Large Area Light
[_VOLTAGE] 120.0 V
[_CURRENT] 2.421 A
[_POWERFACTOR] 0.998
[_THD] 2.02
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.6 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

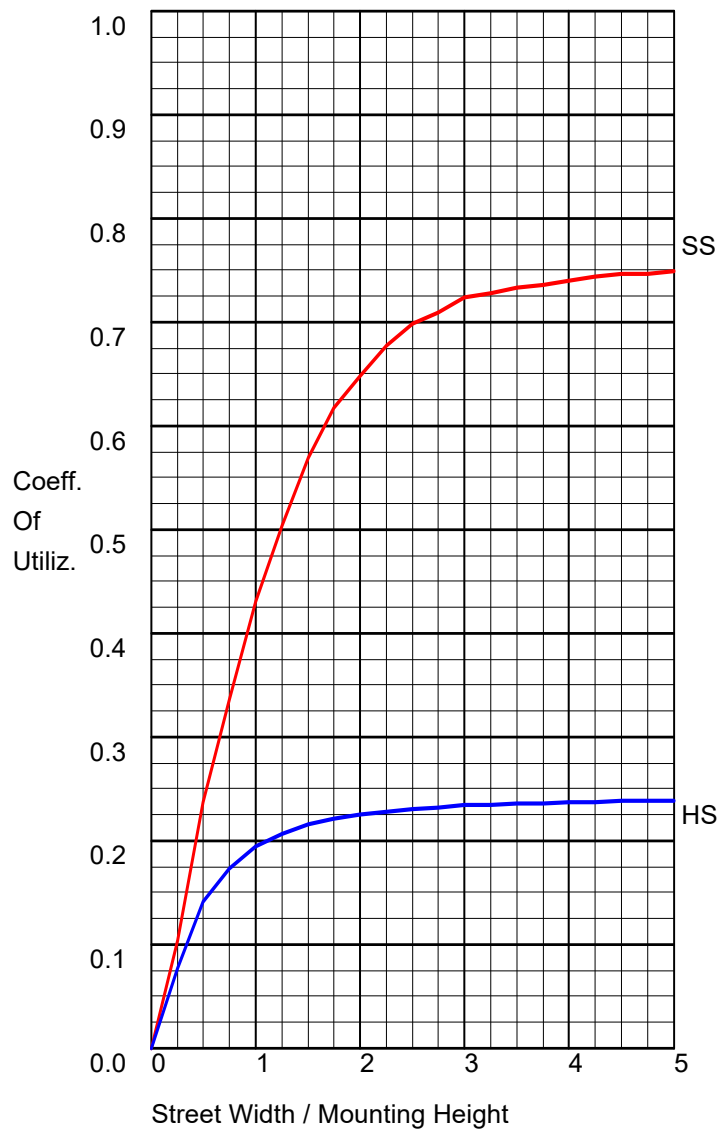
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	41210.9 (1 lamp)
Total Lamp Lumens	41210.9
Luminaire Lumens	41211
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	290.24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21146.51
Maximum Candela Angle	45H 68V
Maximum Candela (<90 Degrees Vertical)	21146.51
Maximum Candela Angle (<90 Degrees Vertical)	45H 68V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6320.01 (15.3% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	4468.9	10.8	10.8
FM - Front-Medium (30-60)	15484.5	37.6	37.6
FH - Front-High (60-80)	10657.8	25.9	25.9
FVH - Front-Very High (80-90)	603.4	1.5	1.5
BL - Back-Low (0-30)	2729.6	6.6	6.6
BM - Back-Medium (30-60)	4942.3	12.0	12.0
BH - Back-High (60-80)	2099.1	5.1	5.1
BVH - Back-Very High (80-90)	225.4	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	41211.0	100.0	100.0
BUG Rating	B4-U0-G4		

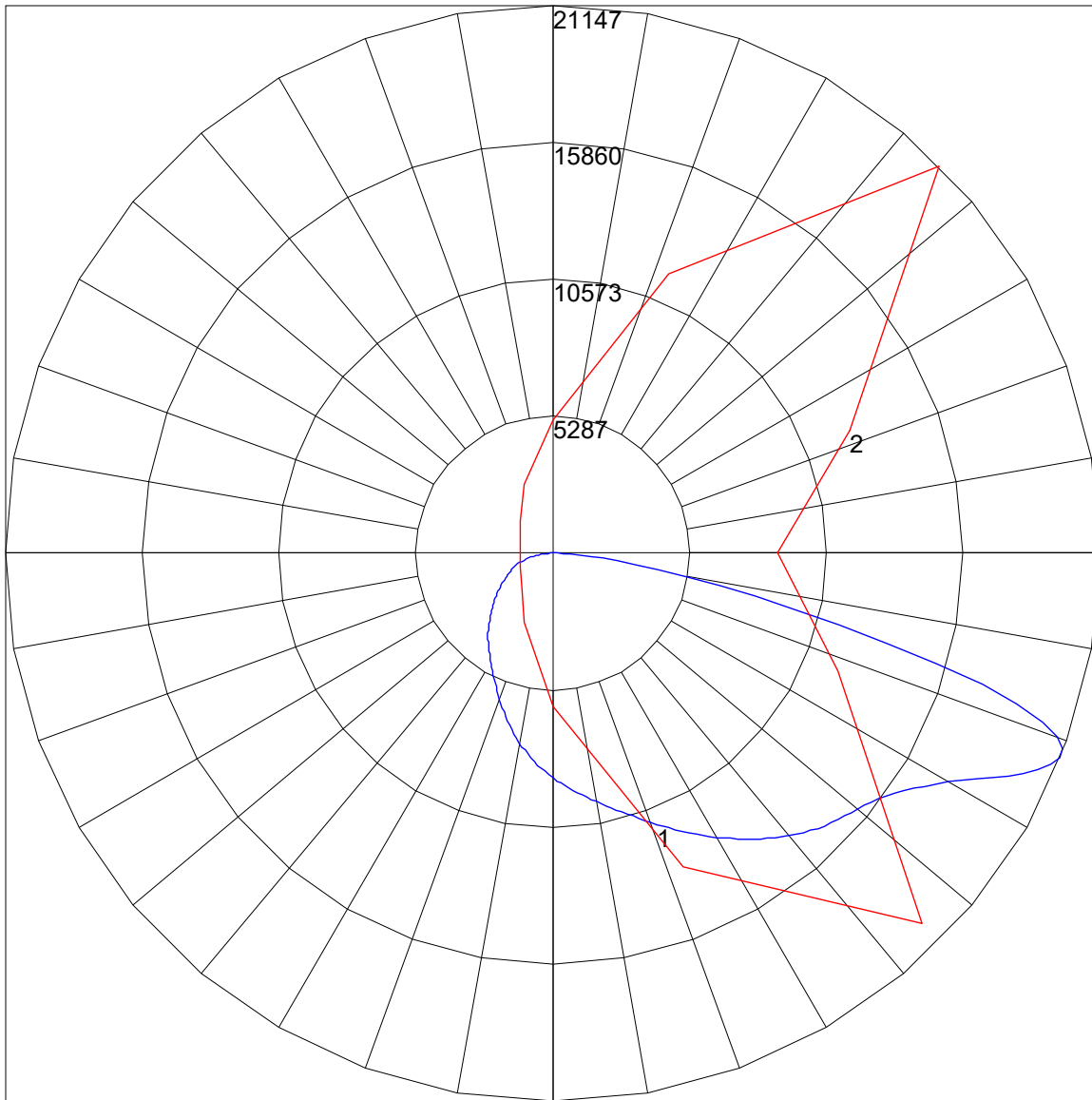
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

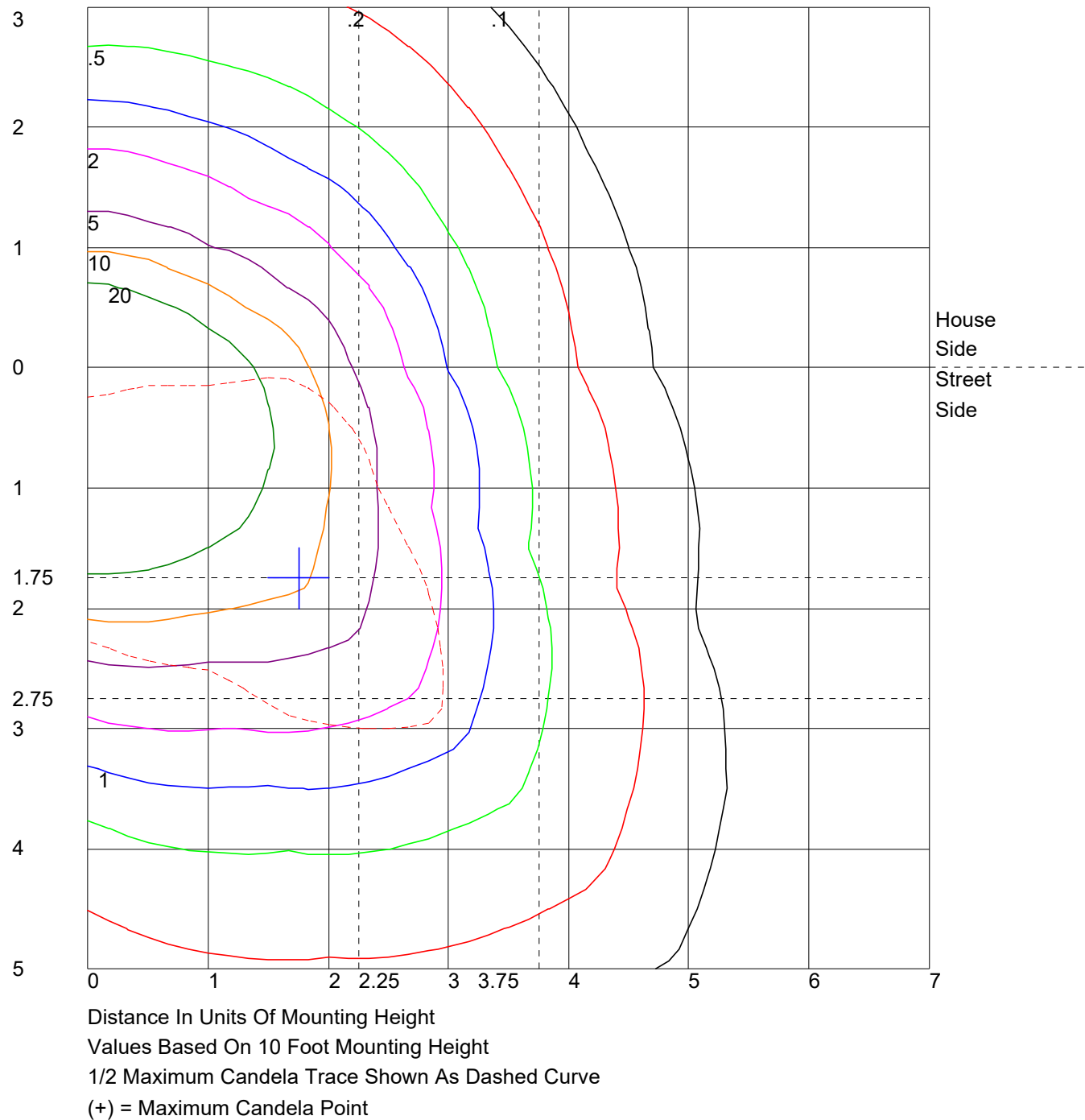
	Lumens	Percent Of Lamp
Downward Street Side	31214.5	75.7
Downward House Side	9996.4	24.3
Downward Total	41210.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41210.9	100.0

POLAR GRAPH

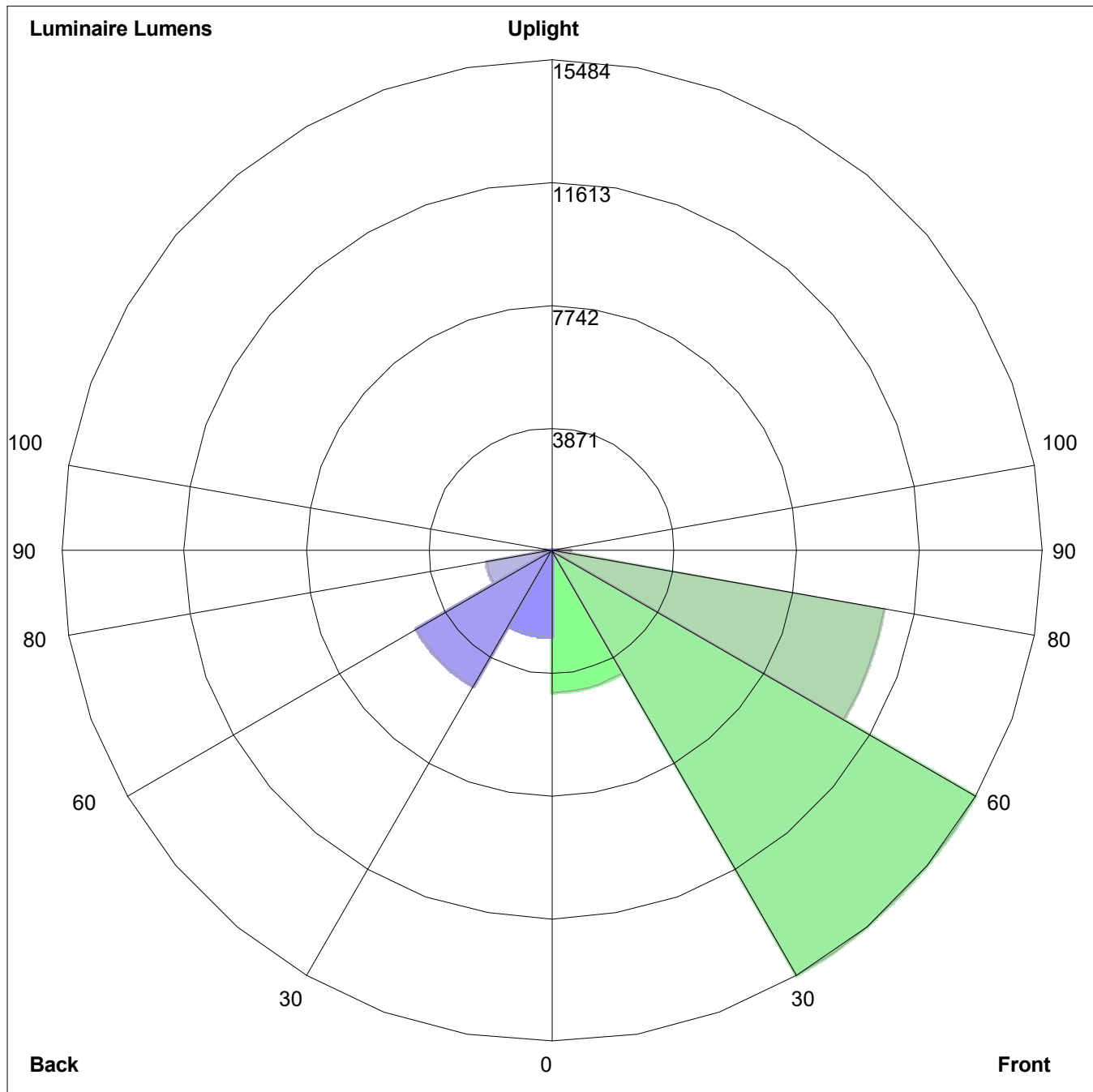


Maximum Candela = 21146.51 Located At Horizontal Angle = 45, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=4468.9, Medium=15484.5, High=10657.8, Very High=603.4
Back: Low=2729.6, Medium=4942.3, High=2099.1, Very High=225.4
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4