



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 2 HV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2012022E-H
[ISSUEDATE] 2020-12-15 14:59
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK L HI 2 HV 850
[LUMINAIRE] LED Large Area Light
[_VOLTAGE] 480.0 V
[_CURRENT] 0.655 A
[_POWERFACTOR] 0.901
[_THD] 16.63
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 24.9 °C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

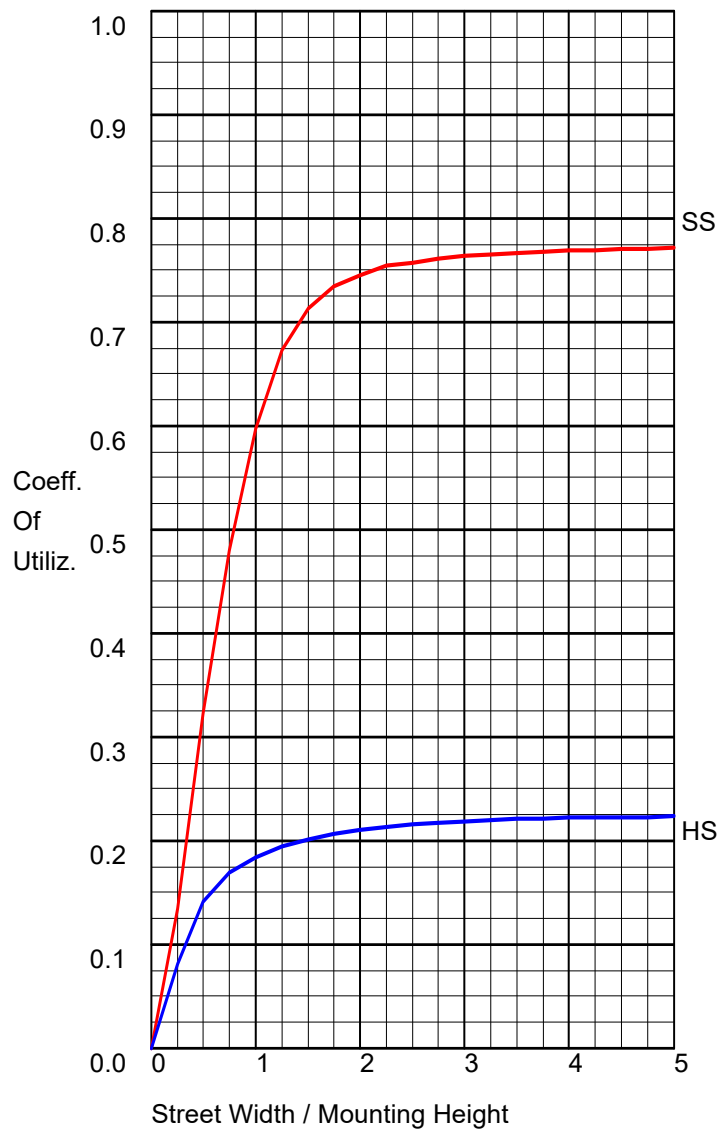
IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	41464.32 (1 lamp)
Total Lamp Lumens	41464.32
Luminaire Lumens	41464
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	283.28
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	22169.735
Maximum Candela Angle	285H 71V
Maximum Candela (<90 Degrees Vertical)	22169.735
Maximum Candela Angle (<90 Degrees Vertical)	285H 71V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6775.834 (16.3% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5936.5	14.3	14.3
FM - Front-Medium (30-60)	17972.2	43.3	43.3
FH - Front-High (60-80)	7745.7	18.7	18.7
FVH - Front-Very High (80-90)	467.7	1.1	1.1
BL - Back-Low (0-30)	2380.3	5.7	5.7
BM - Back-Medium (30-60)	3997.3	9.6	9.6
BH - Back-High (60-80)	2759.0	6.7	6.7
BVH - Back-Very High (80-90)	205.5	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	41464.2	99.9	100.0
BUG Rating	B4-U0-G4		

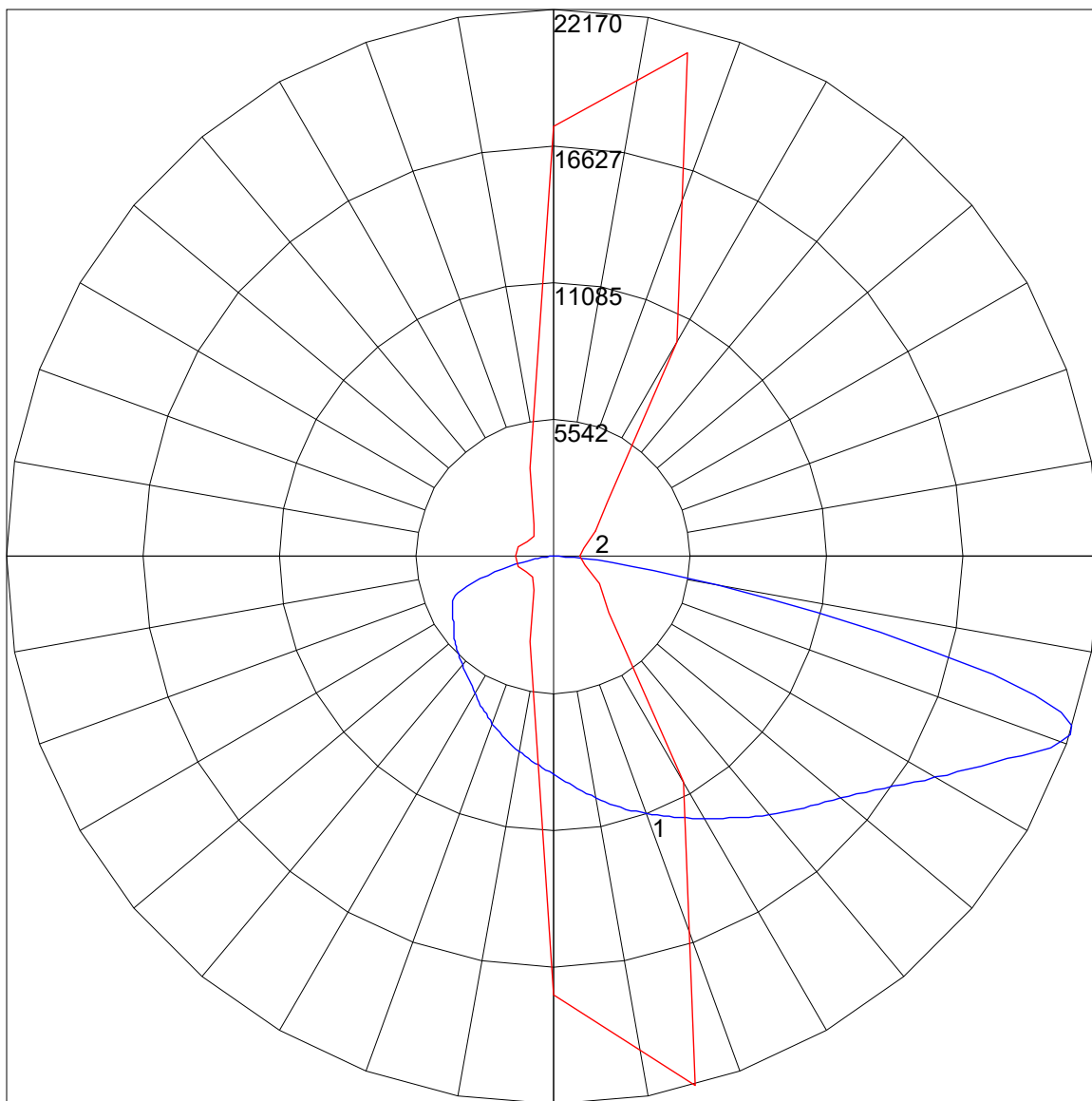
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

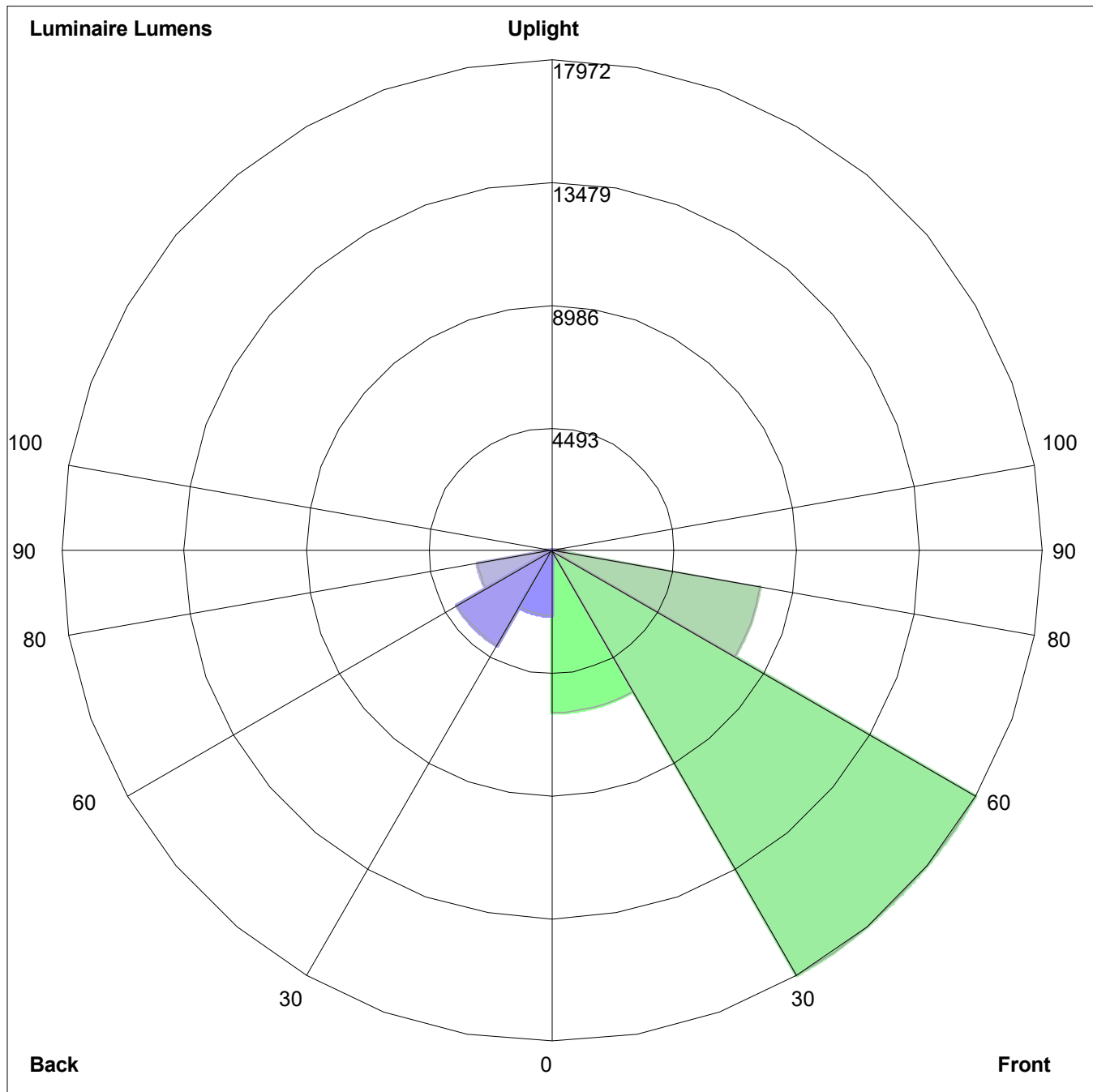
	Lumens	Percent Of Lamp
Downward Street Side	32122.2	77.5
Downward House Side	9342.1	22.5
Downward Total	41464.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41464.3	100.0

POLAR GRAPH



Maximum Candela = 22169.735 Located At Horizontal Angle = 285, Vertical Angle = 71
1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=5936.5, Medium=17972.2, High=7745.7, Very High=467.7
Back: Low=2380.3, Medium=3997.3, High= 2759.0, Very High=205.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4