



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK L HI 4 HV 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022E-H
[ISSUEDATE] 2020-11-6 09:05
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK L HI 4 HV 840
[LUMINAIRE] LED Large Area Light
[_VOLTAGE] 480.0 V
[_CURRENT] 0.656 A
[_POWERFACTOR] 0.900
[_THD] 15.98
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.5 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

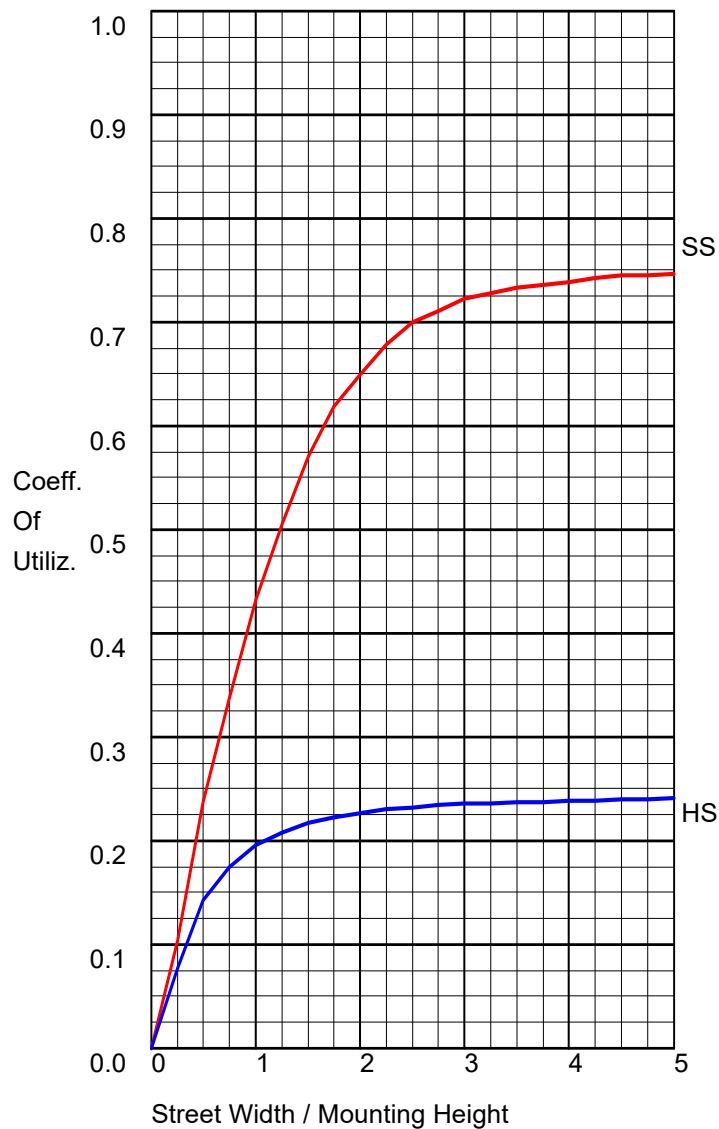
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	40191.2 (1 lamp)
Total Lamp Lumens	40191.2
Luminaire Lumens	40191
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	283.49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	20621.4
Maximum Candela Angle	45H 68V
Maximum Candela (<90 Degrees Vertical)	20621.4
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	5828.11 (14.5% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	4374.2	10.9	10.9
FM - Front-Medium (30-60)	15181.3	37.8	37.8
FH - Front-High (60-80)	10248.9	25.5	25.5
FVH - Front-Very High (80-90)	561.4	1.4	1.4
BL - Back-Low (0-30)	2681.6	6.7	6.7
BM - Back-Medium (30-60)	4864.7	12.1	12.1
BH - Back-High (60-80)	2052.6	5.1	5.1
BVH - Back-Very High (80-90)	226.5	0.6	0.6
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	40191.2	100.1	100.0
BUG Rating	B4-U0-G4		

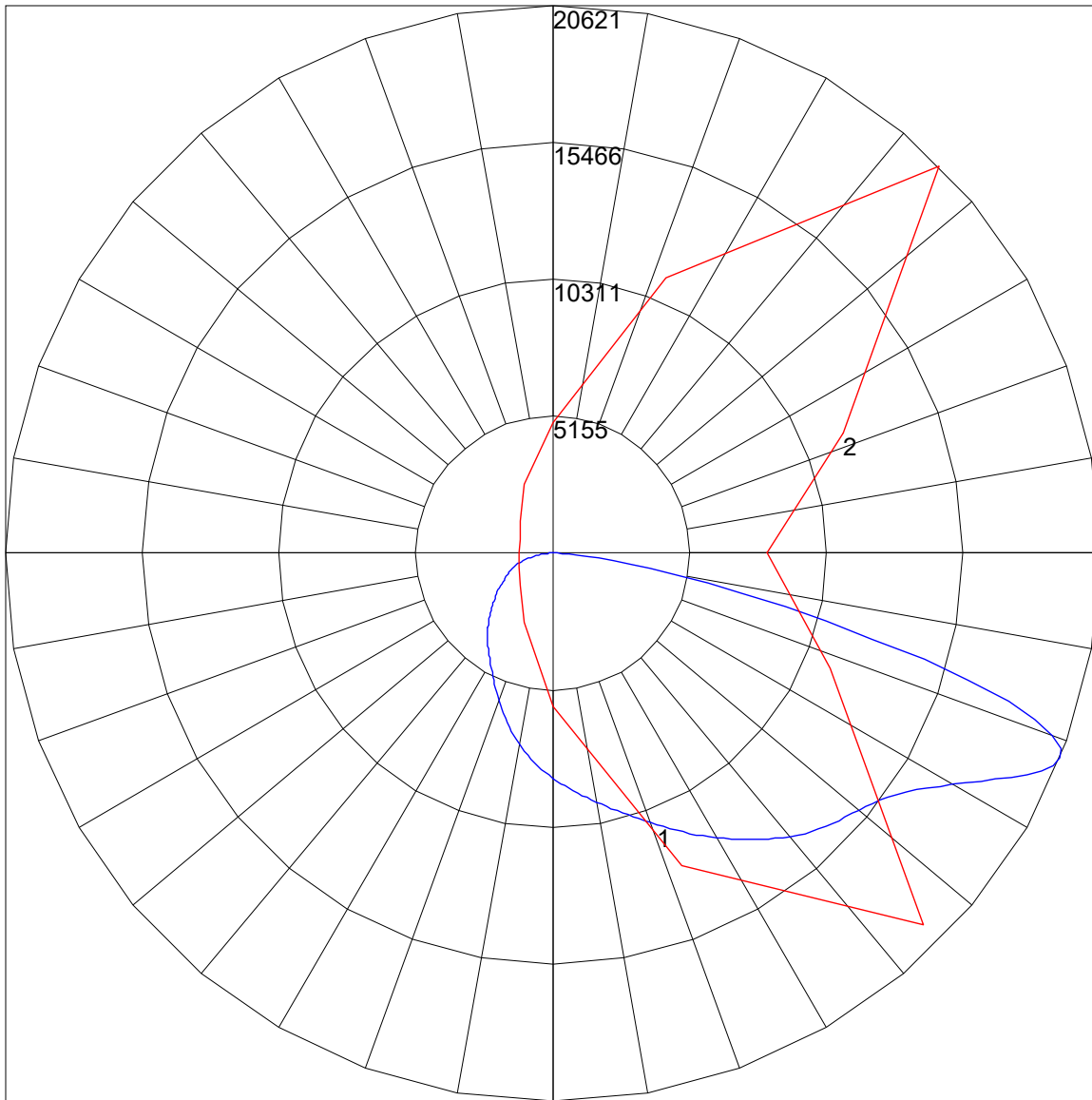
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

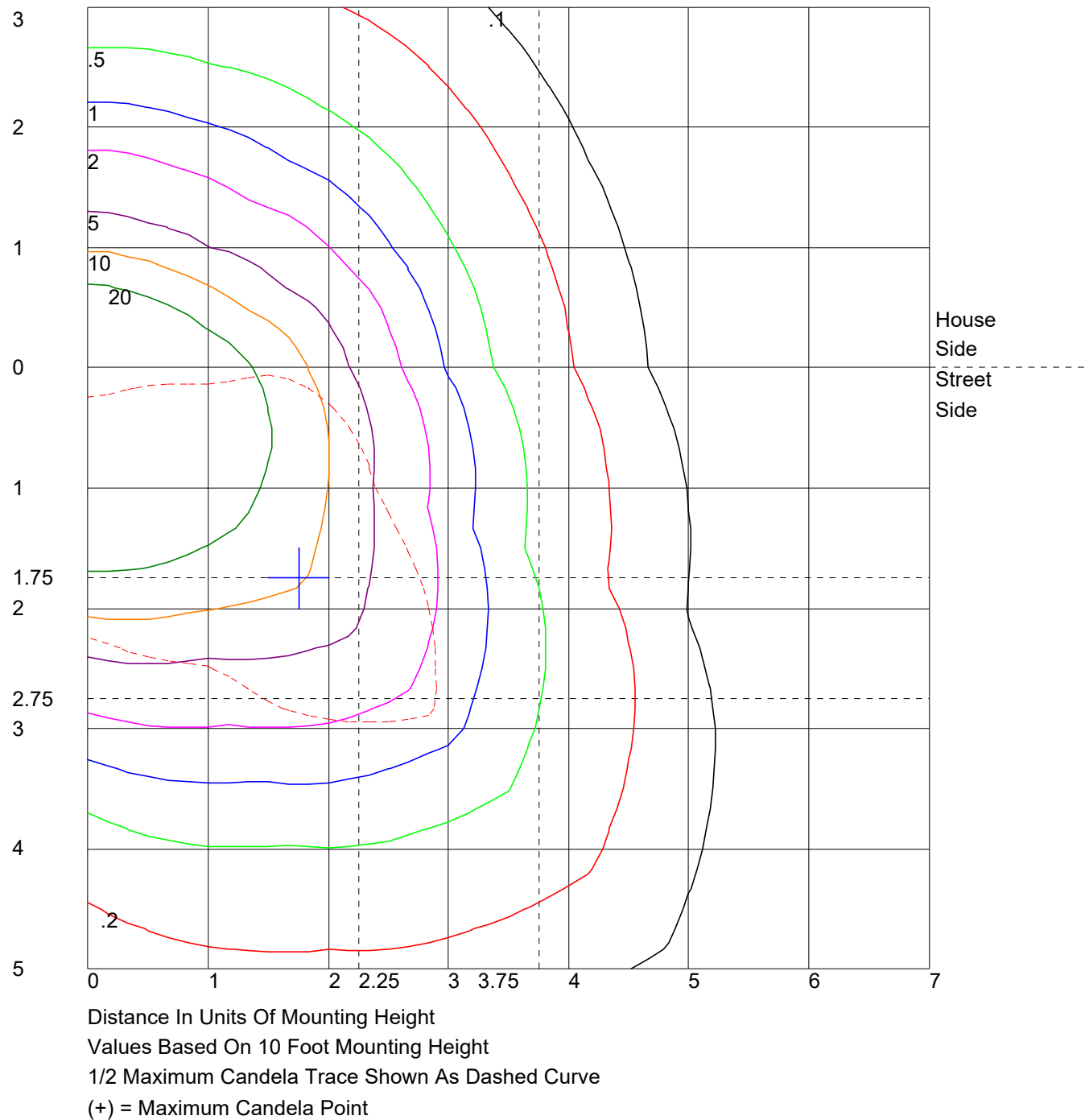
	Lumens	Percent Of Lamp
Downward Street Side	30365.8	75.6
Downward House Side	9825.4	24.4
Downward Total	40191.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	40191.2	100.0

POLAR GRAPH

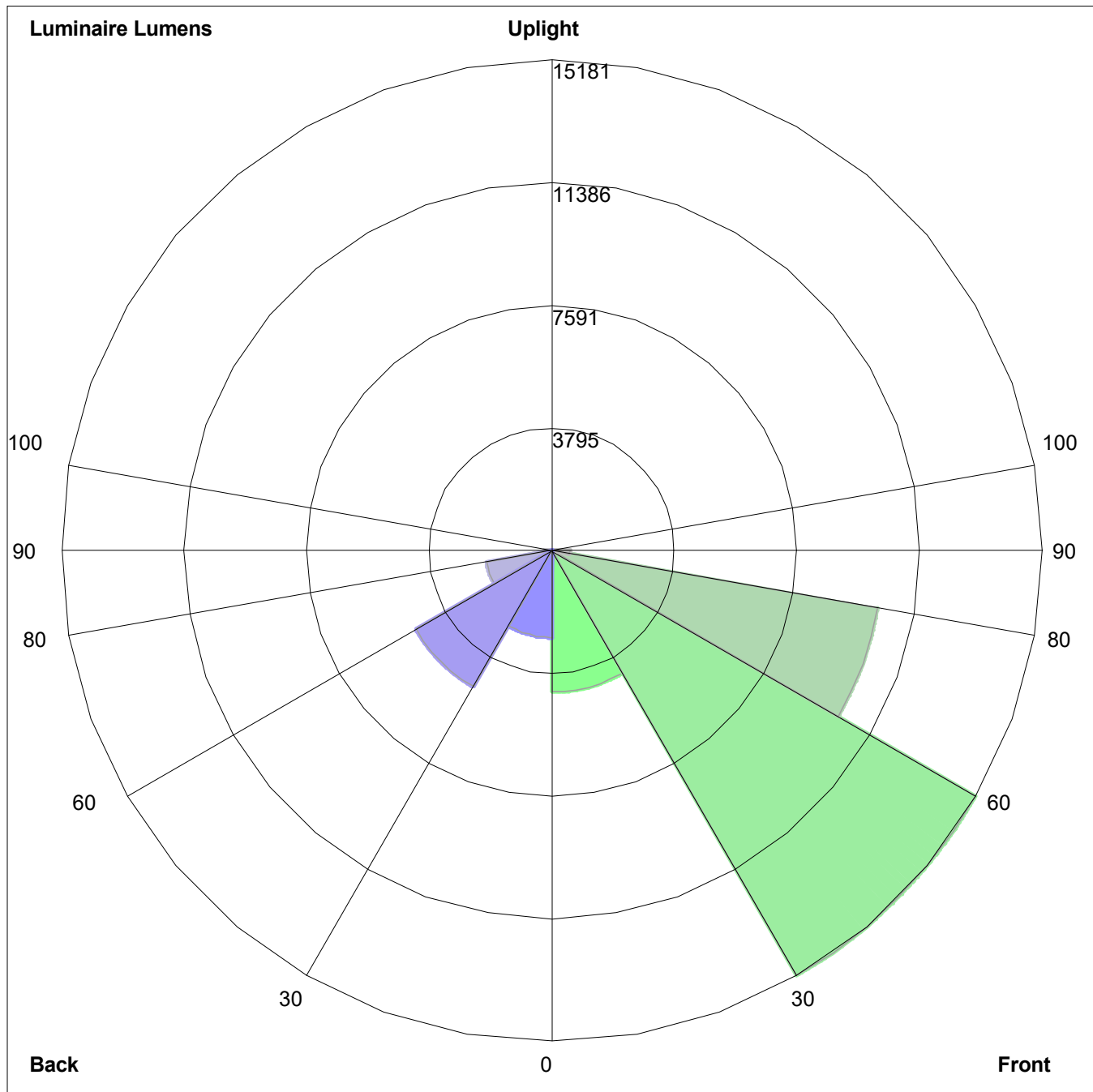


Maximum Candela = 20621.4 Located At Horizontal Angle = 45, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=4374.2, Medium=15181.3, High=10248.9, Very High=561.4
Back: Low=2681.6, Medium=4864.7, High=2052.6, Very High=226.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4