



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALK S HI 3 UV 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2010022E-B
[ISSUEDATE] 2020-11-06 16:24
[MANUFAC] LumenFocus, LLC
[LUMCAT] ALK S HI 3 UV 840
[LUMINAIRE] LED Small Area Light
[_VOLTAGE] 120.0 V
[_CURRENT] 0.837 A
[_POWERFACTOR] 0.999
[_THD] 3.65
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 m [K=1.0000]
[_TESTTEMPERATURE] 25.5 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]

CHARACTERISTICS

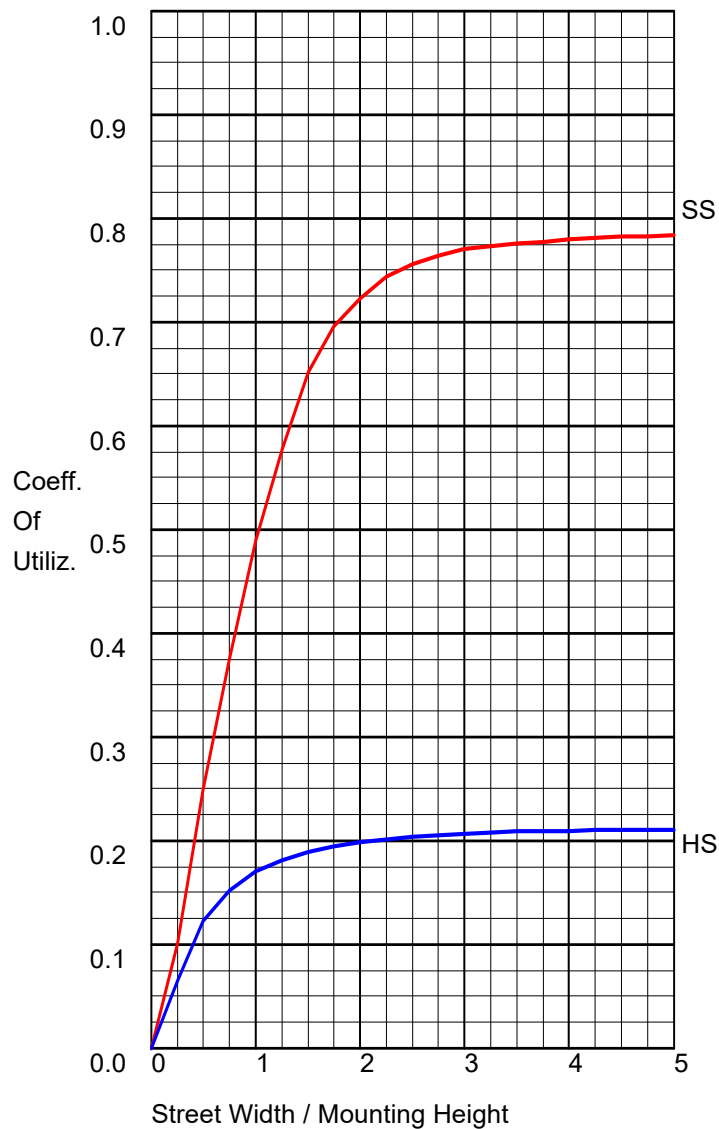
IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	13856.1 (1 lamp)
Total Lamp Lumens	13856.1
Luminaire Lumens	13856
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	100.46
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7499.81
Maximum Candela Angle	292.5H 69V
Maximum Candela (<90 Degrees Vertical)	7499.81
Maximum Candela Angle (<90 Degrees Vertical)	292.5H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1451.99 (10.5% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1524.1	11.0	11.0
FM - Front-Medium (30-60)	5782.3	41.7	41.7
FH - Front-High (60-80)	3474.9	25.1	25.1
FVH - Front-Very High (80-90)	126.3	0.9	0.9
BL - Back-Low (0-30)	781.5	5.6	5.6
BM - Back-Medium (30-60)	1384.7	10.0	10.0
BH - Back-High (60-80)	733.4	5.3	5.3
BVH - Back-Very High (80-90)	49.0	0.4	0.4
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	13856.2	100.0	100.0
BUG Rating	B2-U0-G2		

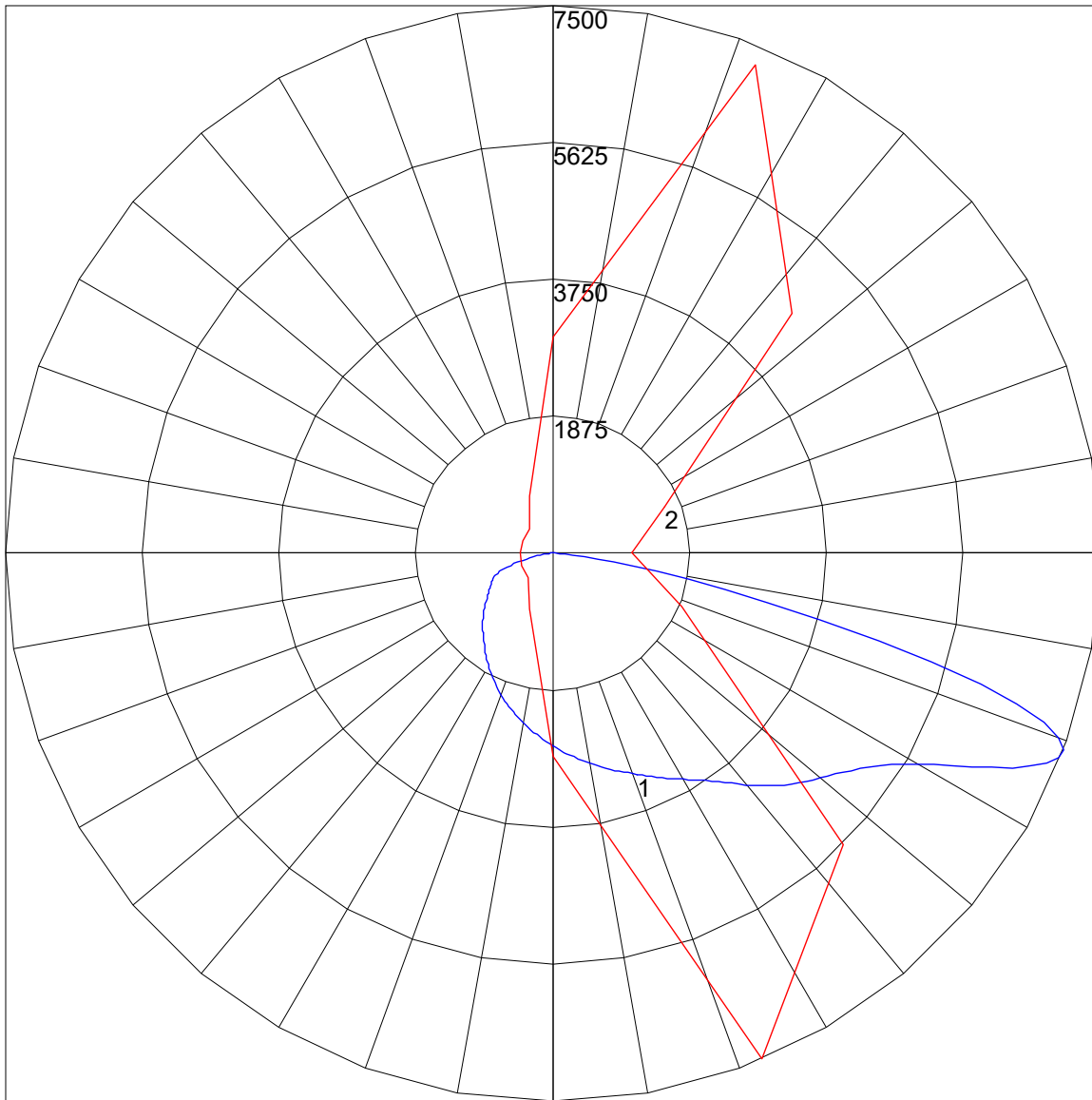
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

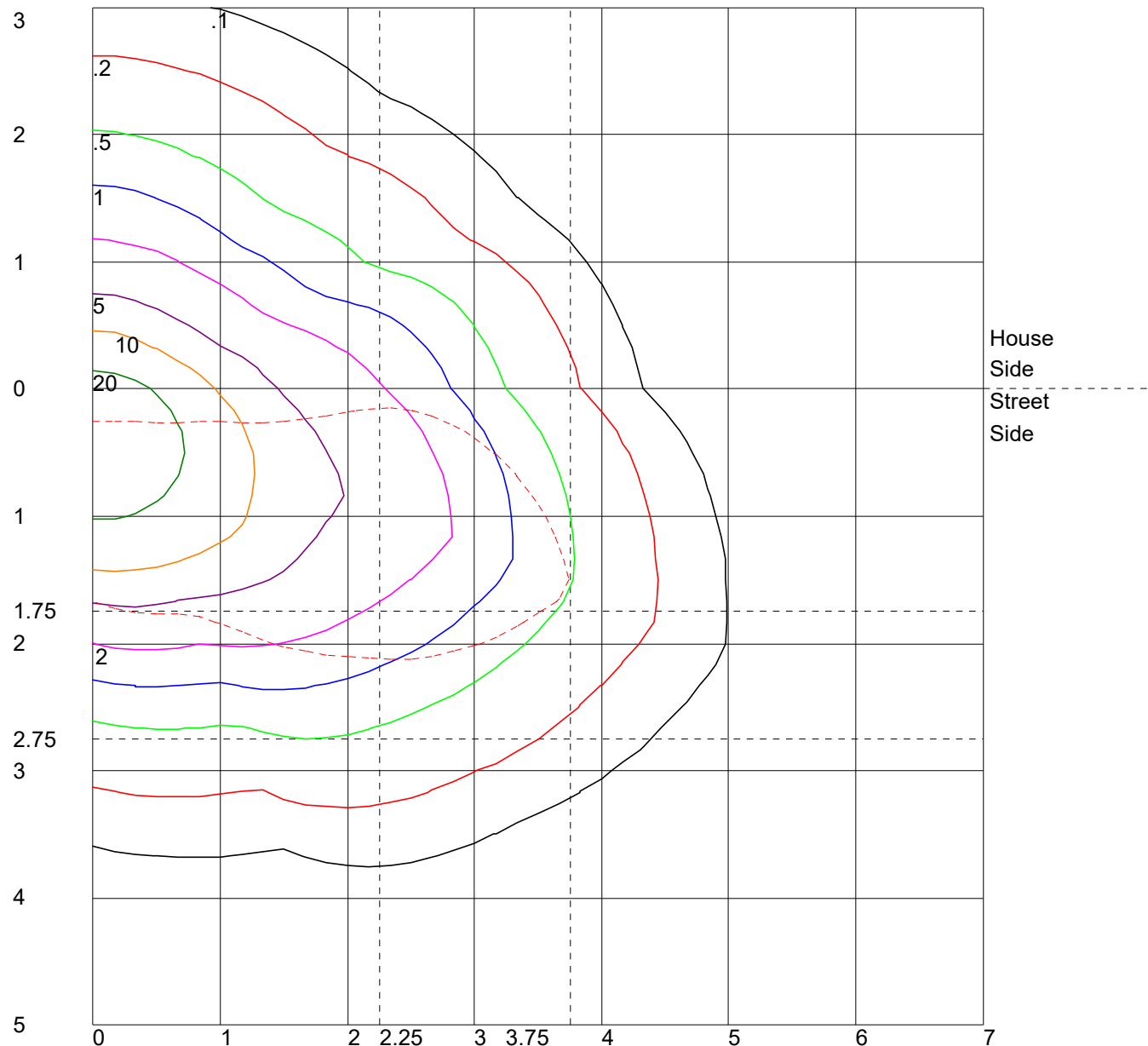
	Lumens	Percent Of Lamp
Downward Street Side	10907.5	78.7
Downward House Side	2948.6	21.3
Downward Total	13856.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13856.1	100.0

POLAR GRAPH



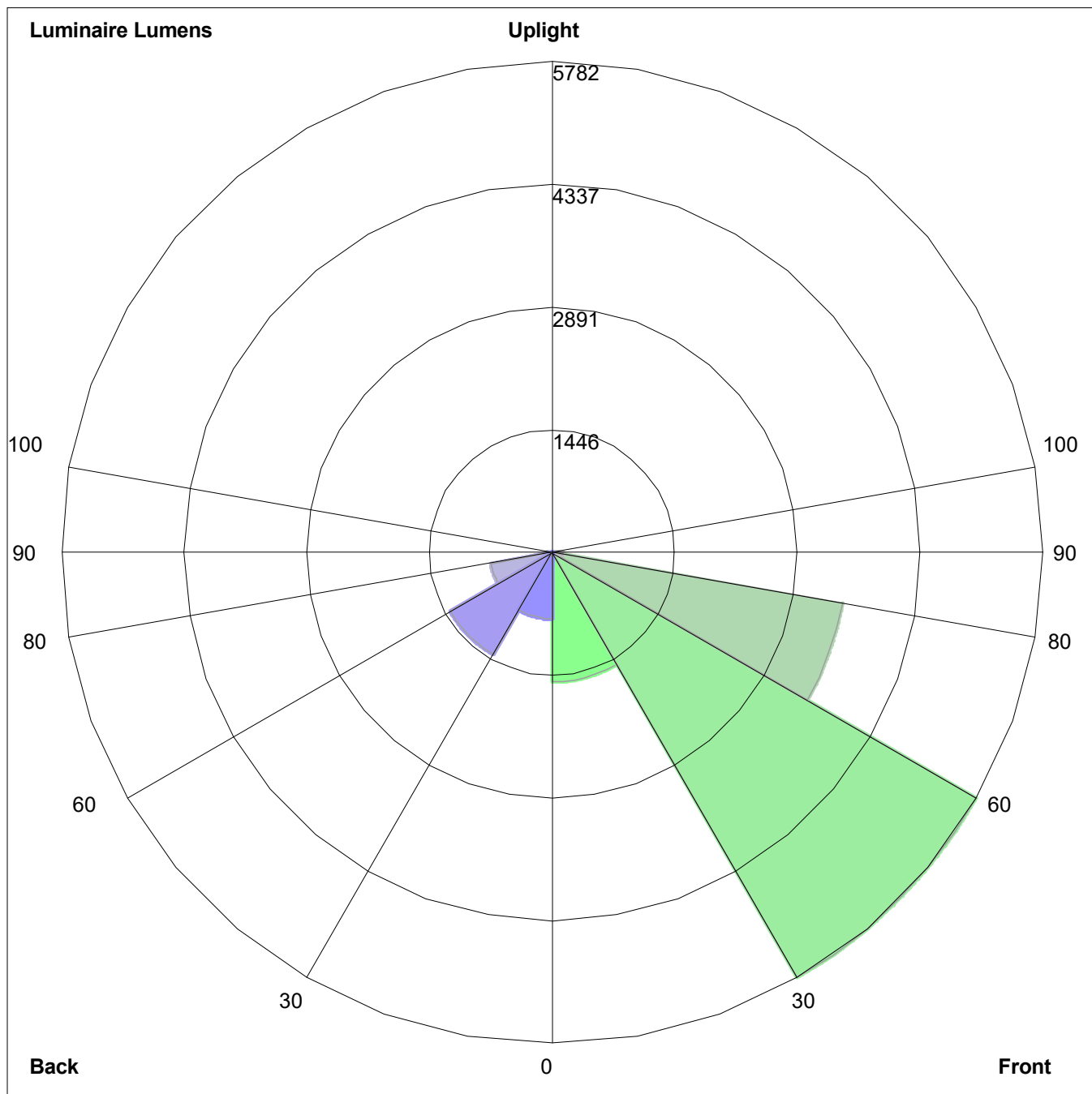
Maximum Candela = 7499.81 Located At Horizontal Angle = 292.5, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1524.1, Medium=5782.3, High=3474.9, Very High=126.3
Back: Low=781.5, Medium=1384.7, High=733.4, Very High=49.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2