

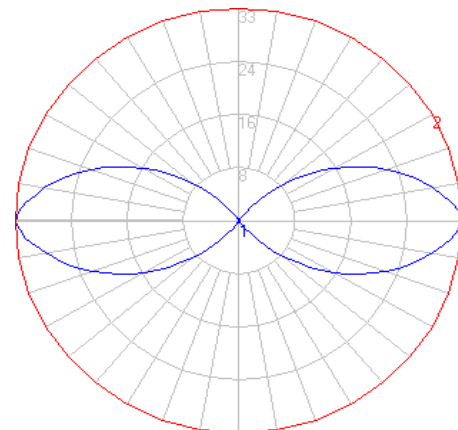
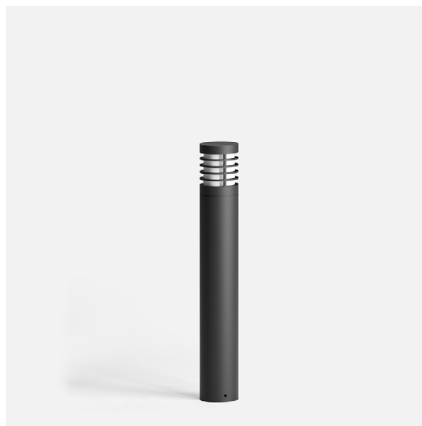
BEGA

File: 84322K4_BEGA_IES.ies

TEST: BE_84322K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 322K4
LAMP: 3.9W LED

Characteristics

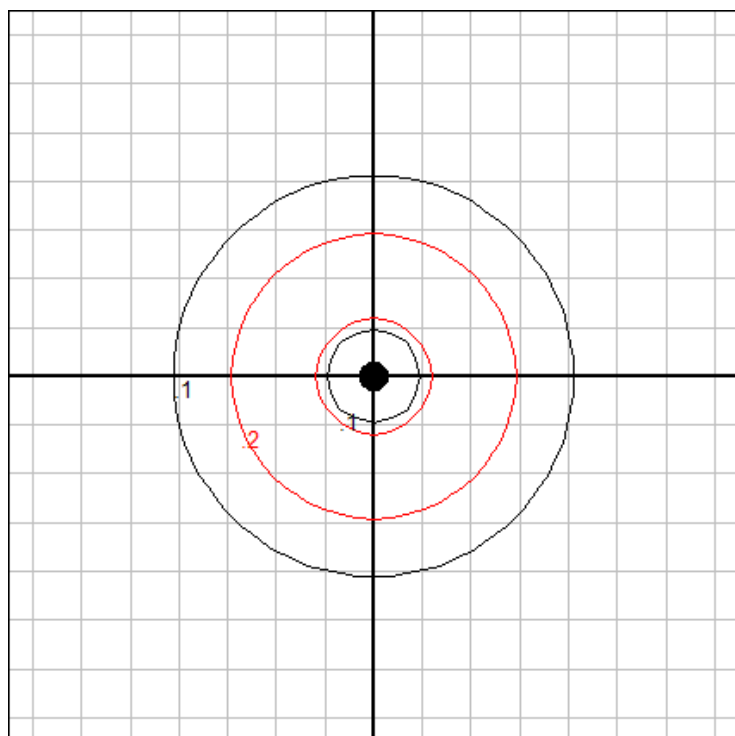
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	195
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	32.6 (0H, 90V)
Max. Cd. (<90 Vert.)	32.1 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	32.6 (16.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	32.1 (16.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



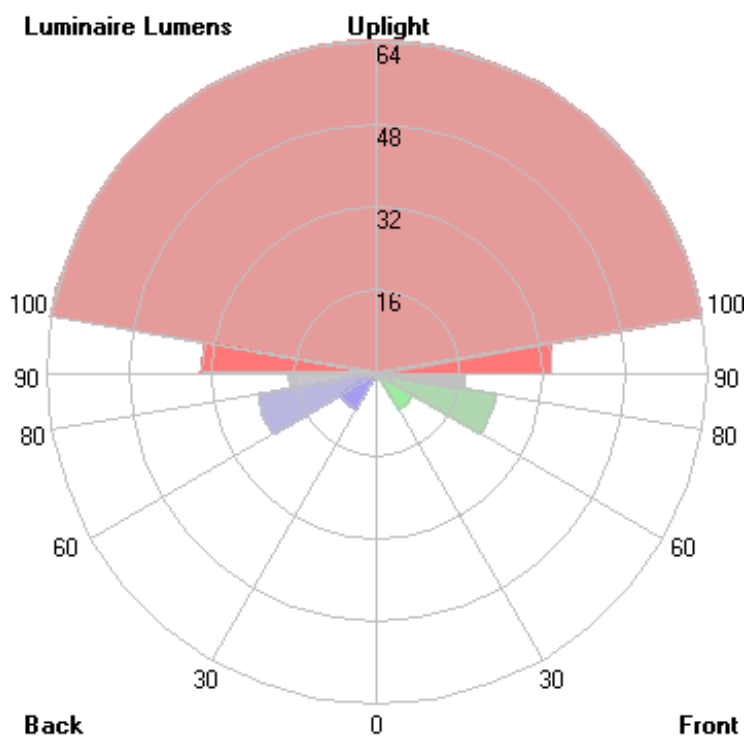
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	8.2	N.A.	4.2
FH (60-80)	23.4	N.A.	12.0
FVH (80-90)	16.9	N.A.	8.7
BL (0-30)	0.1	N.A.	0.1
BM (30-60)	8.2	N.A.	4.2
BH (60-80)	23.4	N.A.	12.0
BVH (80-90)	16.9	N.A.	8.7
UL (90-100)	33.9	N.A.	17.4
UH (100-180)	63.9	N.A.	32.8
Total	195.0	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



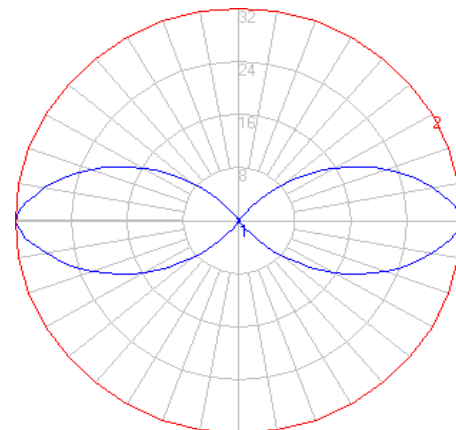
BEGA

File: 84322K35_BEGA_IES.ies

TEST: BE_84322K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 322K35
LAMP: 3.9W LED

Characteristics

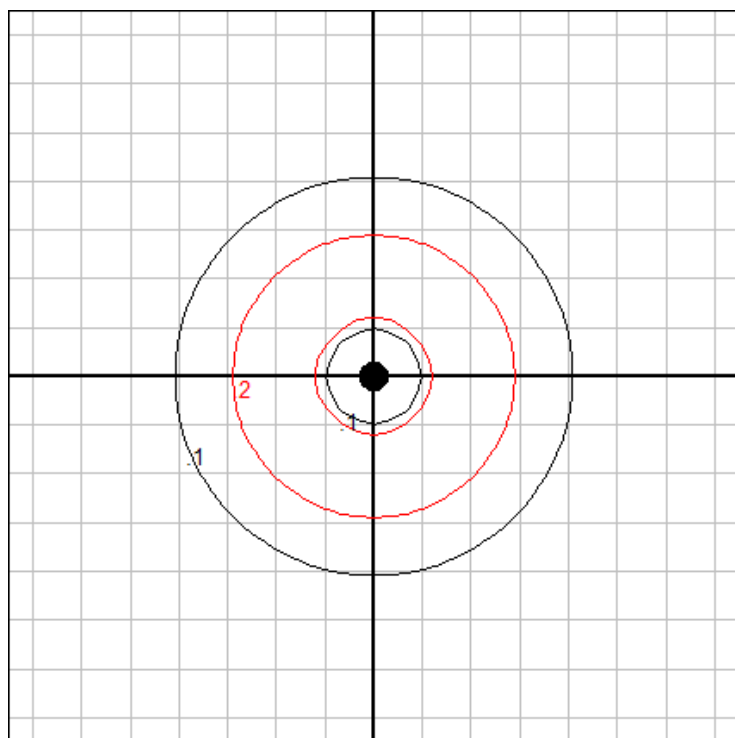
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	192
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	32.176 (0H, 90V)
Max. Cd. (<90 Vert.)	31.683 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	32.176 (16.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.683 (16.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



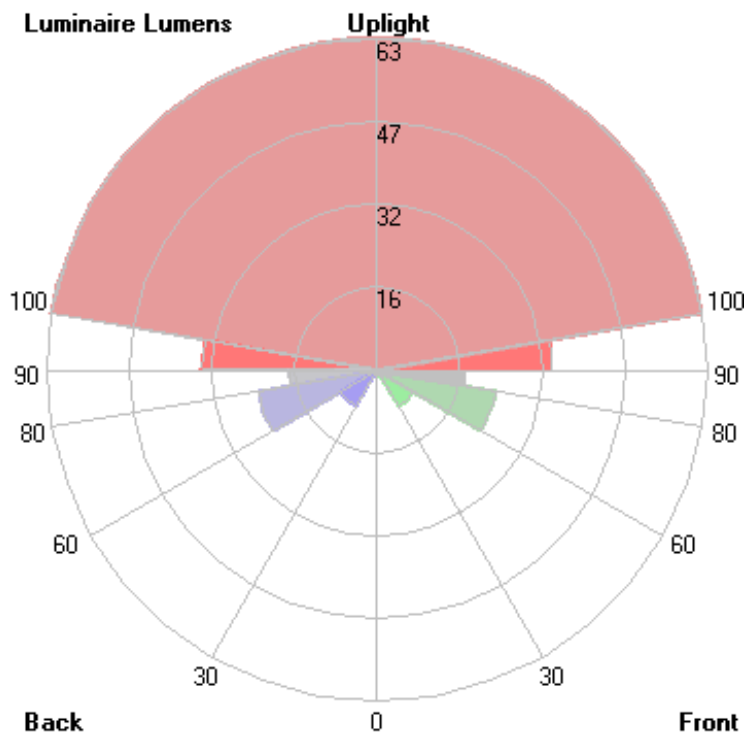
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	8.1	N.A.	4.2
FH (60-80)	23.0	N.A.	12.0
FVH (80-90)	16.7	N.A.	8.7
BL (0-30)	0.1	N.A.	0.1
BM (30-60)	8.1	N.A.	4.2
BH (60-80)	23.0	N.A.	12.0
BVH (80-90)	16.7	N.A.	8.7
UL (90-100)	33.4	N.A.	17.4
UH (100-180)	63.1	N.A.	32.8
Total	192.3	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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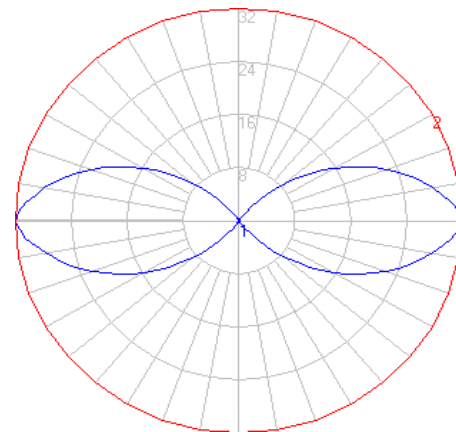
BEGA

File: 84322K3_BEGA_IES.ies

TEST: BE_84322K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 322K3
LAMP: 3.9W LED

Characteristics

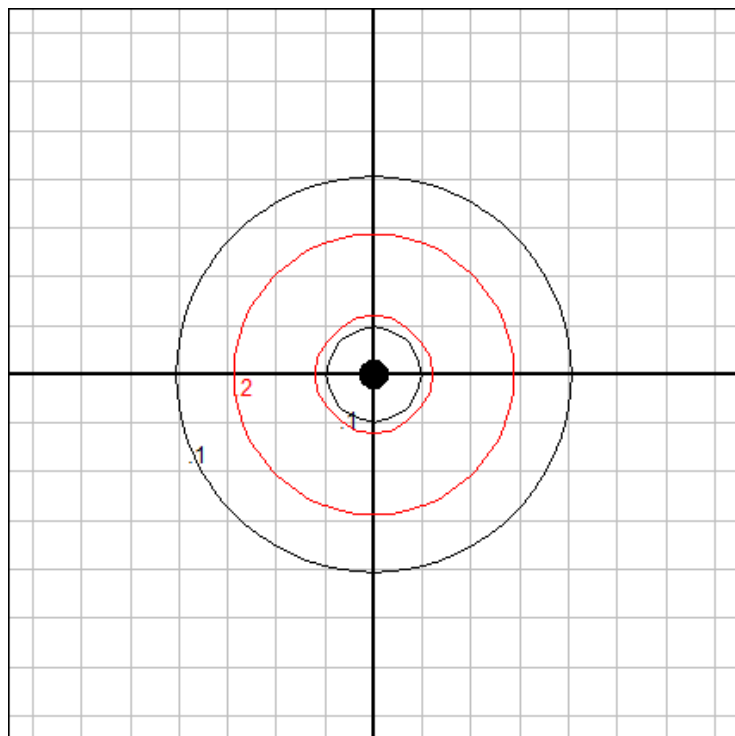
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	190
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	31.752 (0H, 90V)
Max. Cd. (<90 Vert.)	31.265 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	31.752 (16.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.265 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



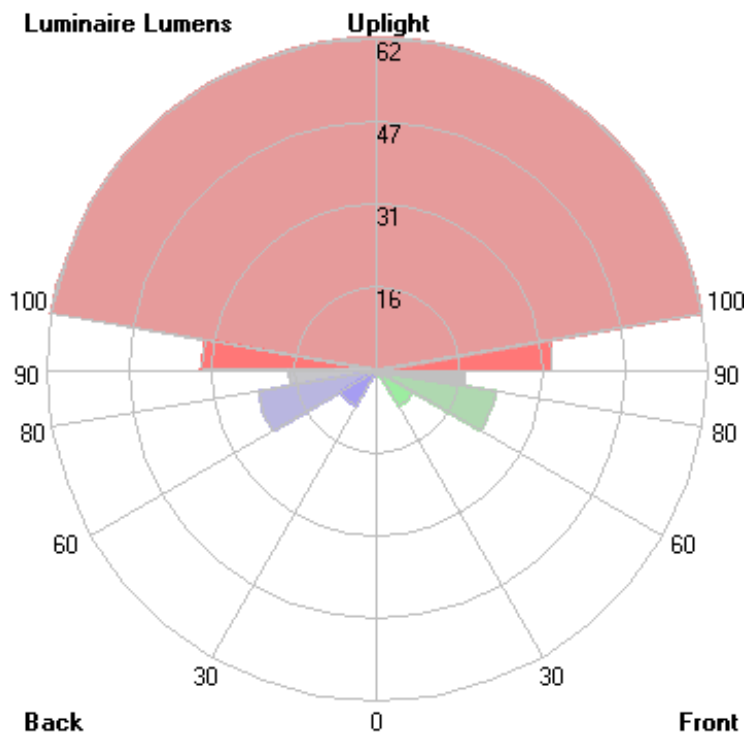
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	8.0	N.A.	4.2
FH (60-80)	22.7	N.A.	12.0
FVH (80-90)	16.5	N.A.	8.7
BL (0-30)	0.1	N.A.	0.1
BM (30-60)	8.0	N.A.	4.2
BH (60-80)	22.7	N.A.	12.0
BVH (80-90)	16.5	N.A.	8.7
UL (90-100)	33.0	N.A.	17.4
UH (100-180)	62.3	N.A.	32.8
Total	189.9	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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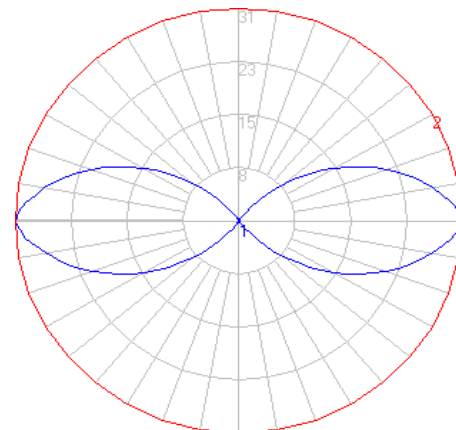
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BEGA

File: 84322K27_BEGA_IES.ies

TEST: BE_84322K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 322K27
LAMP: 3.9W LED



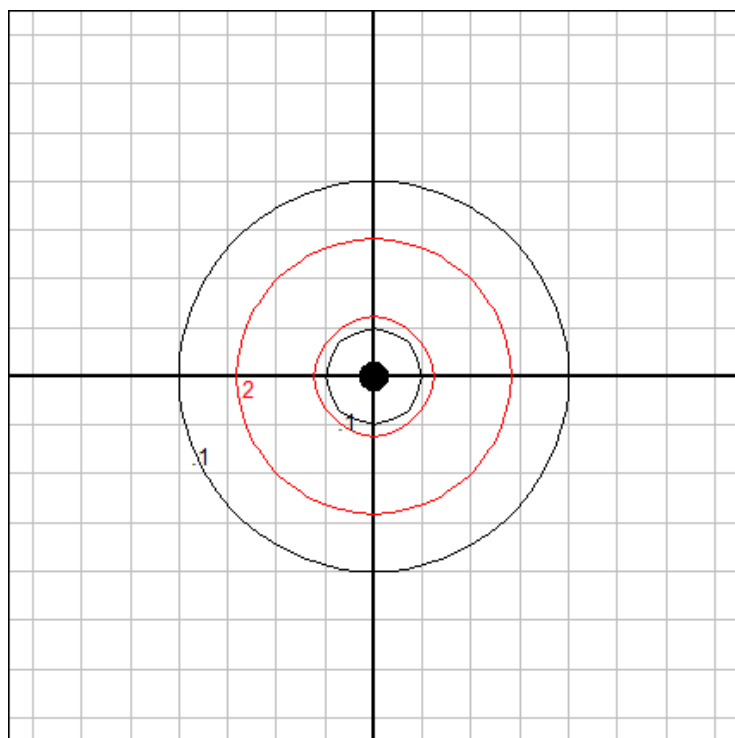
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	184
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	30.709 (0H, 90V)
Max. Cd. (<90 Vert.)	30.238 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	30.709 (15.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	33.629 (15.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

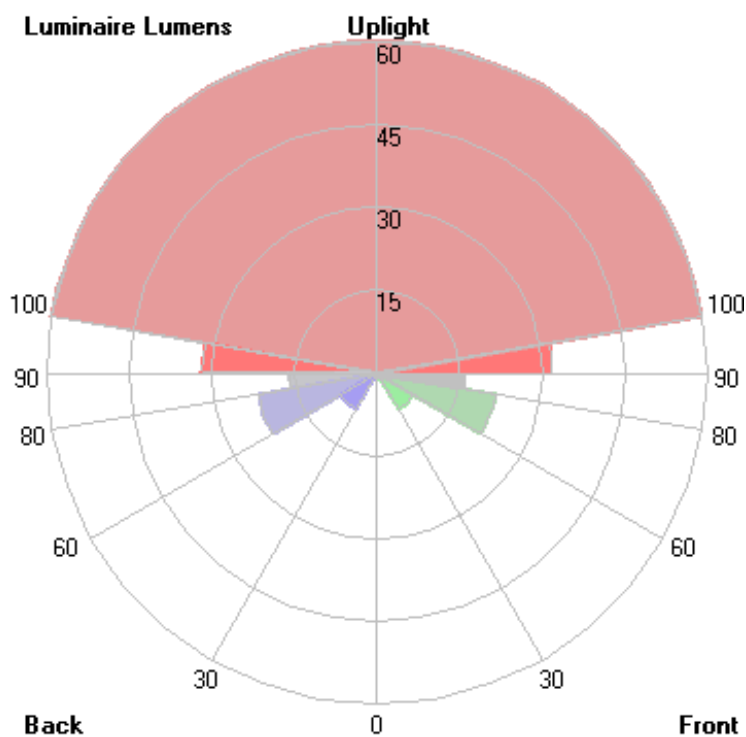
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	7.7	N.A.	4.2
FH (60-80)	22.0	N.A.	12.0
FVH (80-90)	15.9	N.A.	8.7
BL (0-30)	0.1	N.A.	0.1
BM (30-60)	7.7	N.A.	4.2
BH (60-80)	22.0	N.A.	12.0
BVH (80-90)	15.9	N.A.	8.7
UL (90-100)	31.9	N.A.	17.4
UH (100-180)	60.2	N.A.	32.8
Total	183.5	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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