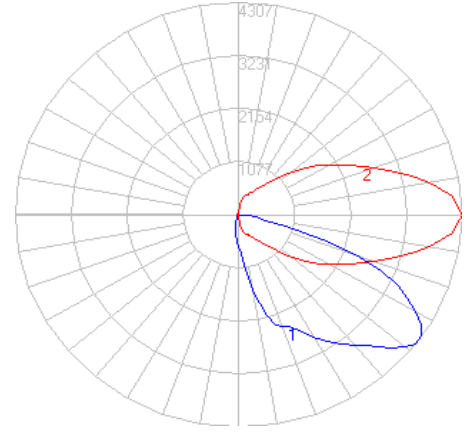


BEGA

File: 84248K4_BEGA_IES.ies

TEST: BE_84247K4
TEST LAB: BEGA
DATE: 2/26/2020
LUMINAIRE: 84248K4
LAMP: (2) 21.3W LED

*Report based on a single IES file, see below for twin head iso-footcandle template



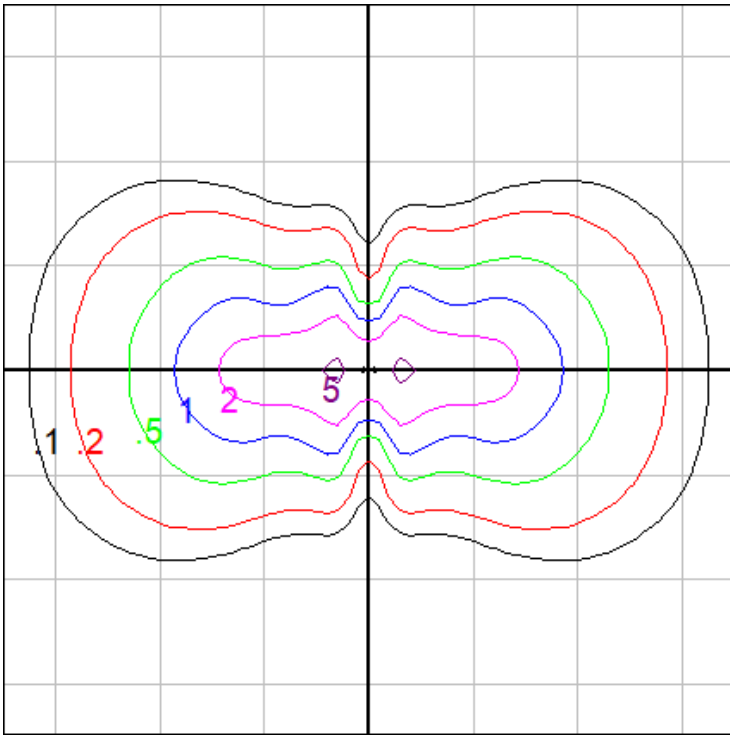
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3351
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	26
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	4307.4 (360H, 55V)
Max. Cd. (<90 Vert.)	4307.4 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	316.8 (9.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

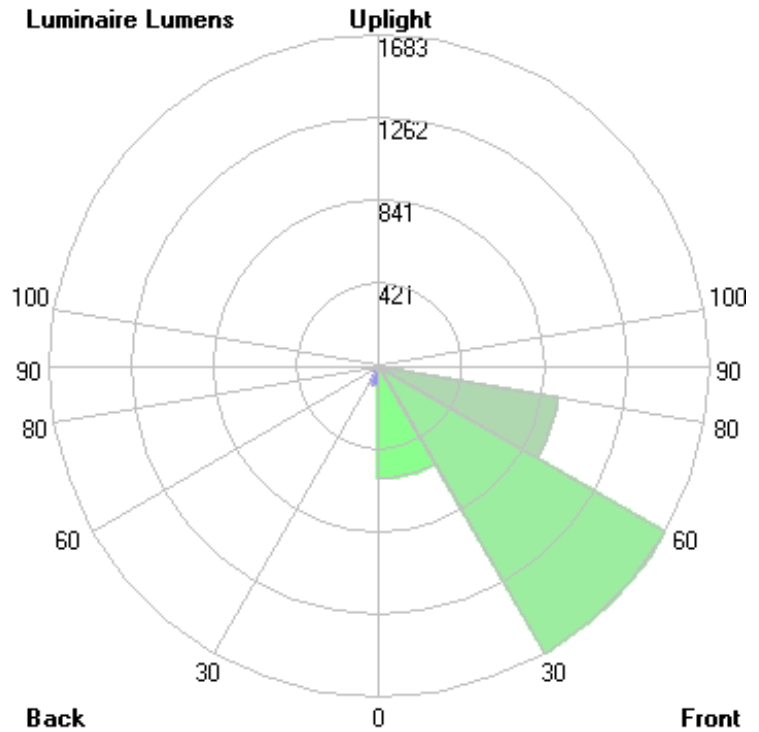
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	573.2	N.A.	17.1
FM (30-60)	1682.9	N.A.	50.2
FH (60-80)	927.9	N.A.	27.7
FVH(80-90)	23.7	N.A.	0.7
BL (0-30)	98.5	N.A.	2.9
BM (30-60)	36.7	N.A.	1.1
BH (60-80)	7.3	N.A.	0.2
BVH(80-90)	0.7	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3350.9	N.A.	100.0

BUG Rating **B0-U0-G1**



Mounting Height: 20 ft. (Pole 1908HR)	Grid Spacing: 20 ft.
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In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

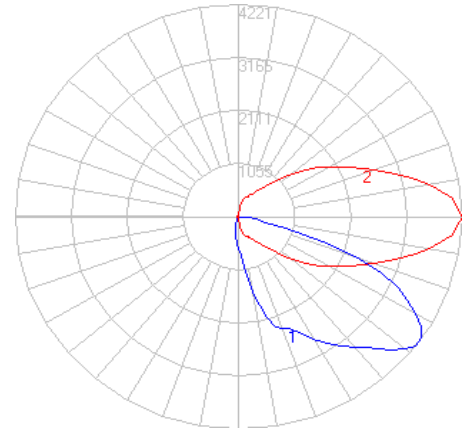
File: 84248K35_BEGA_IES.ies

TEST: BE_84247K4
TEST LAB: BEGA
DATE: 2/26/2020
LUMINAIRE: 84248K35
LAMP: (2) 21.3W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

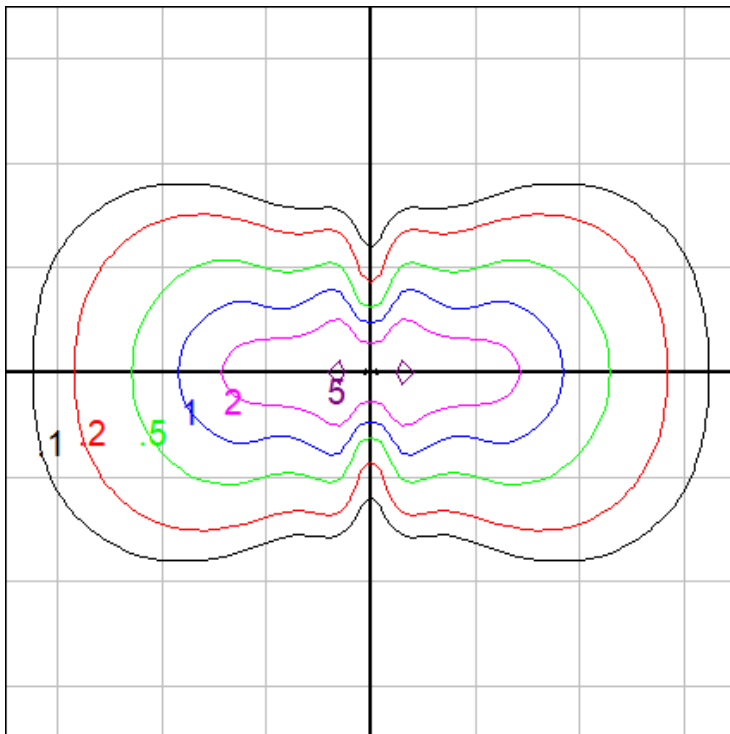
IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3284
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	26
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	4221.252 (360H, 55V)
Max. Cd. (<90 Vert.)	4221.252 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	310.464 (9.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



Lum. Classification System (LCS)

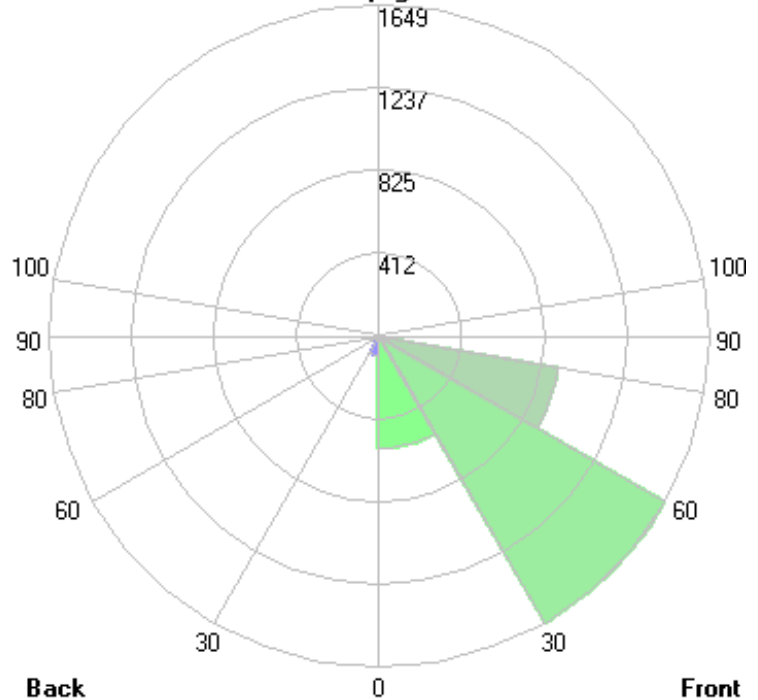
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	561.7	N.A.	17.1
FM (30-60)	1649.3	N.A.	50.2
FH (60-80)	909.3	N.A.	27.7
FVH(80-90)	23.3	N.A.	0.7
BL (0-30)	96.5	N.A.	2.9
BM (30-60)	36.0	N.A.	1.1
BH (60-80)	7.1	N.A.	0.2
BVH(80-90)	0.7	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3283.9	N.A.	100.0

BUG Rating B0-U0-G1



Luminaire Lumens

Uplight



Mounting Height: 20 ft. (Pole 1908HR) | Grid Spacing: 20 ft.

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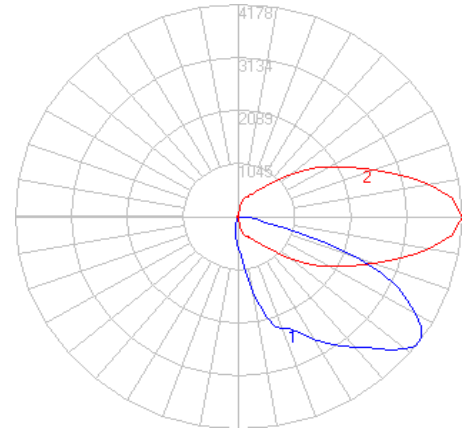
File: 84248K3_BEGA_IES.ies

TEST: BE_84247K4
TEST LAB: BEGA
DATE: 2/26/2020
LUMINAIRE: 84248K3
LAMP: (2) 21.3W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

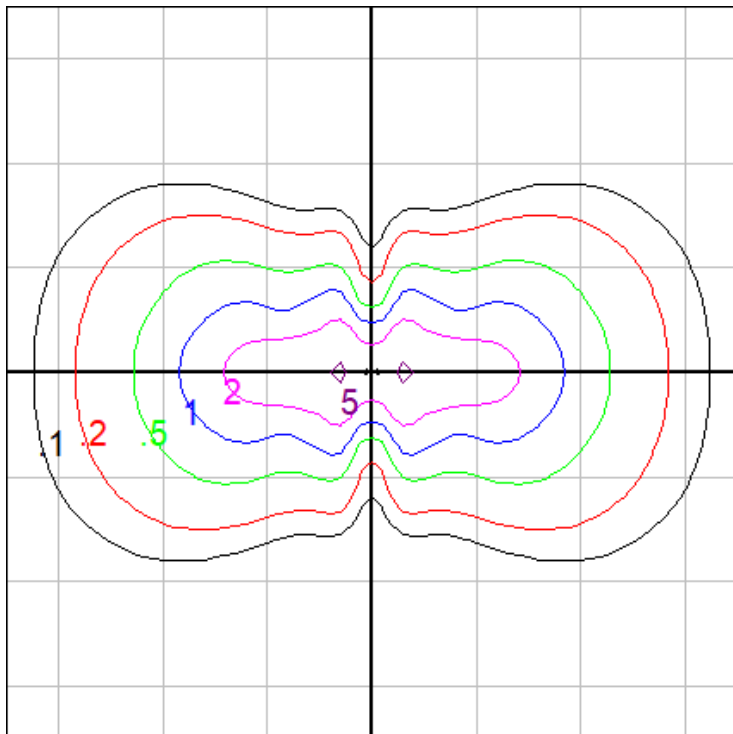
IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3250
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	26
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	4178.178 (360H, 55V)
Max. Cd. (<90 Vert.)	4178.178 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	307.296 (9.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



Lum. Classification System (LCS)

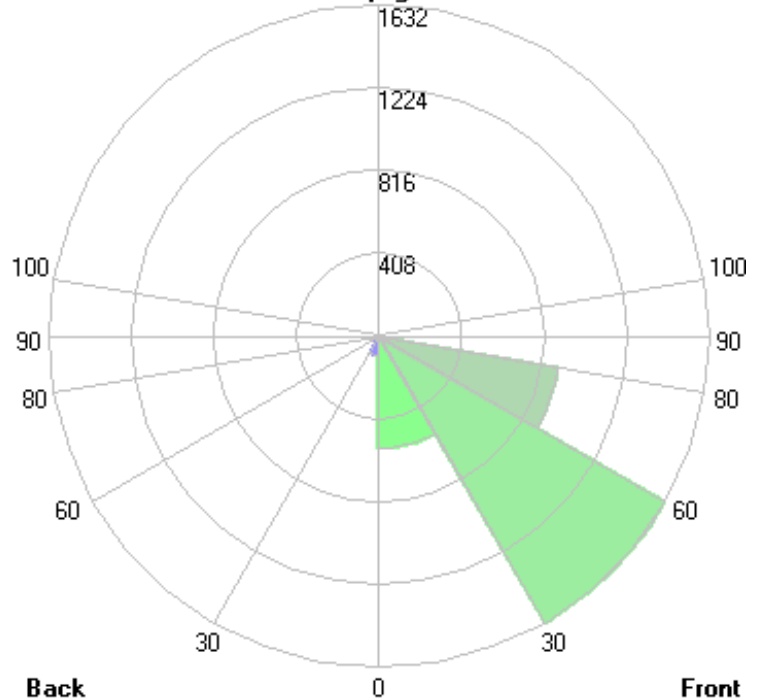
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	556.0	N.A.	17.1
FM (30-60)	1632.5	N.A.	50.2
FH (60-80)	900.1	N.A.	27.7
FVH(80-90)	23.0	N.A.	0.7
BL (0-30)	95.5	N.A.	2.9
BM (30-60)	35.6	N.A.	1.1
BH (60-80)	7.0	N.A.	0.2
BVH(80-90)	0.7	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3250.4	N.A.	100.0

BUG Rating B0-U0-G1



Luminaire Lumens

Uplight



Mounting Height: 20 ft. (Pole 1908HR) | Grid Spacing: 20 ft.

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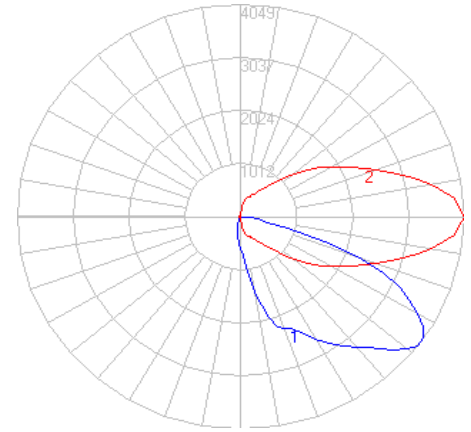
File: 84248K27_BEGA_IES.ies

TEST: BE_84247K4
TEST LAB: BEGA
DATE: 2/26/2020
LUMINAIRE: 84248K27
LAMP: (2) 21.3W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

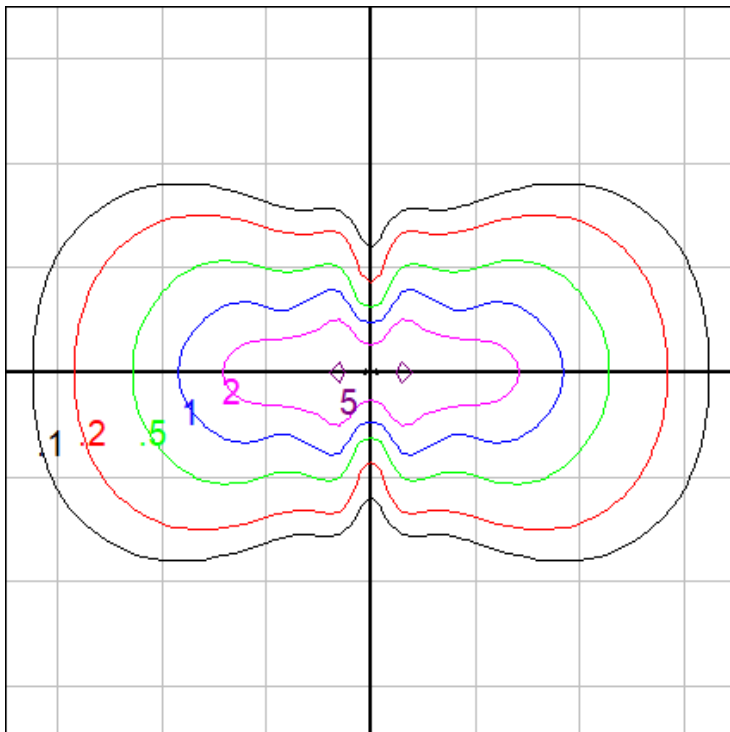
IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3150
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	26
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	4048.956 (360H, 55V)
Max. Cd. (<90 Vert.)	4048.956 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	297.792 (9.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



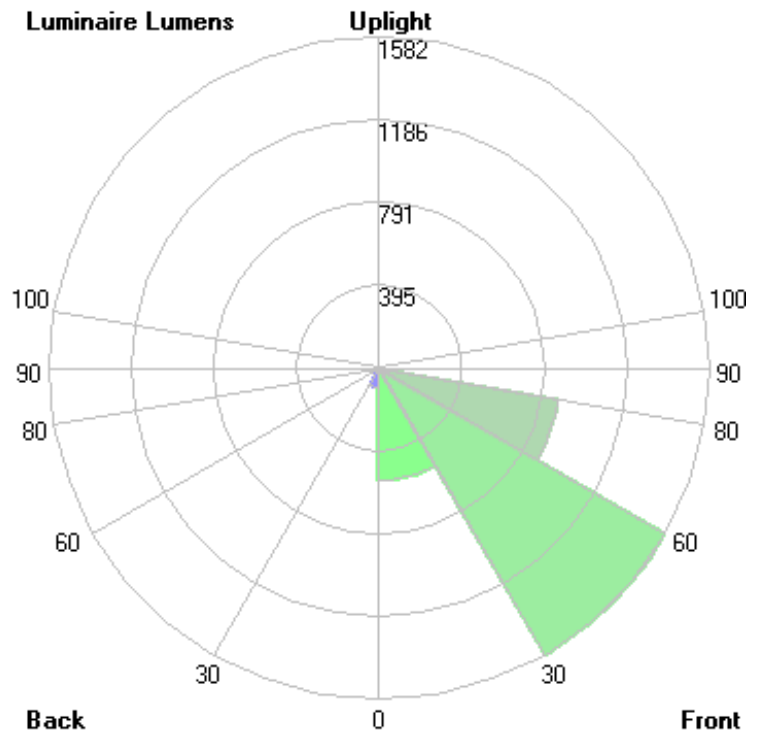
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	538.8	N.A.	17.1
FM (30-60)	1582.0	N.A.	50.2
FH (60-80)	872.2	N.A.	27.7
FVH(80-90)	22.3	N.A.	0.7
BL (0-30)	92.6	N.A.	2.9
BM (30-60)	34.5	N.A.	1.1
BH (60-80)	6.8	N.A.	0.2
BVH(80-90)	0.7	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3149.9	N.A.	100.0

BUG Rating B0-U0-G1



Mounting Height: 20 ft. (Pole 1908HR) | Grid Spacing: 20 ft.



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