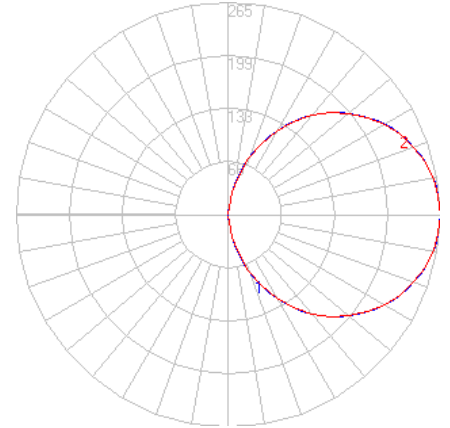


BEGA

File: 24018K4_BEGA_IES.ies

TEST: BE_24018K4
TEST LAB: BEGA
DATE: 4/13/2016
LUMINAIRE: 24 018K4
LAMP: 5.6W LED



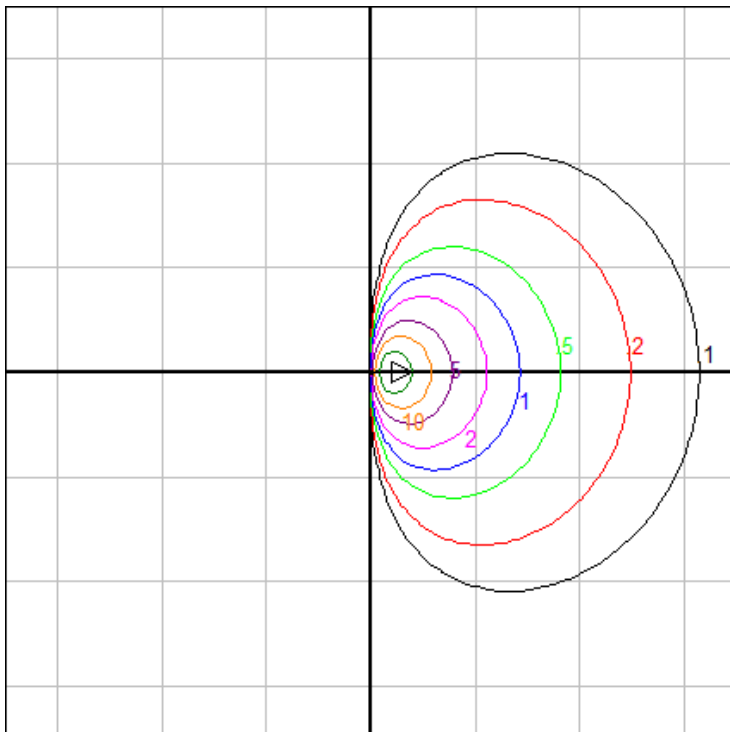
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	768
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	265.3 (0H, 90V)
Max. Cd. (<90 Vert.)	265 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	265.3 (34.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	265 (34.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

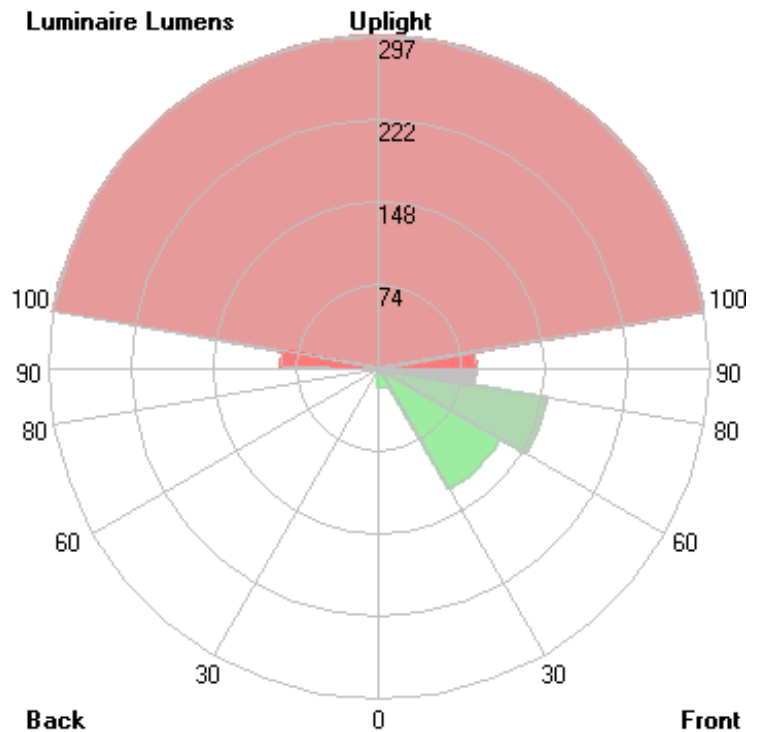
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	17.8	N.A.	2.3
FM (30-60)	125.5	N.A.	16.3
FH (60-80)	153.2	N.A.	19.9
FVH (80-90)	87.4	N.A.	11.4
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	87.4	N.A.	11.4
UH (100-180)	296.5	N.A.	38.6
Total	767.8	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

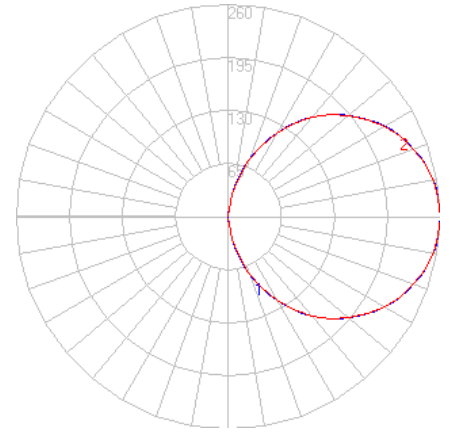
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BEGA

File: 24018K35_BEGA_IES.ies

TEST: BE_24018K4
TEST LAB: BEGA
DATE: 4/13/2016
LUMINAIRE: 24 018K35
LAMP: 5.6W LED



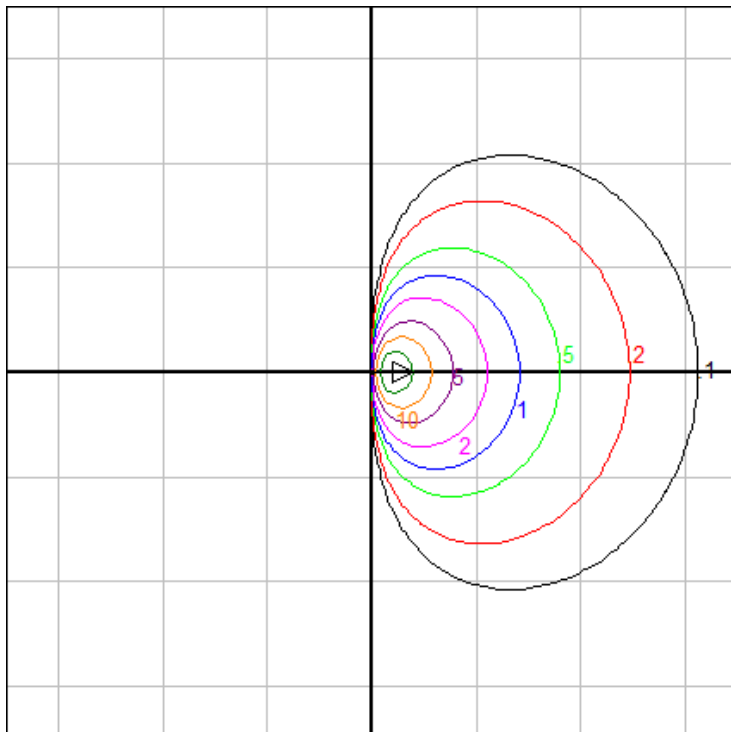
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	752
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	259.994 (0H, 90V)
Max. Cd. (<90 Vert.)	259.7 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	259.994 (34.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	259.7 (34.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

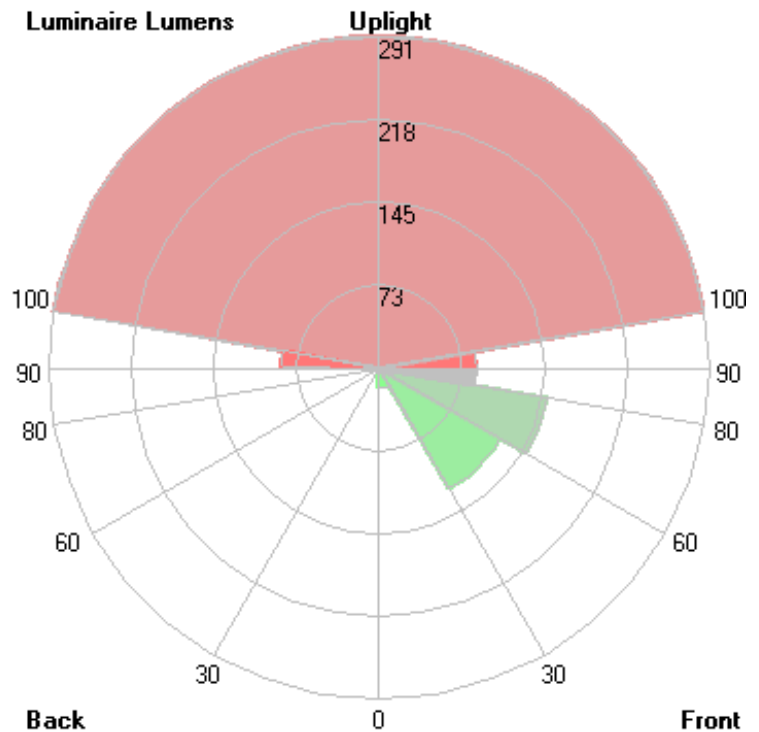
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	17.5	N.A.	2.3
FM (30-60)	123.0	N.A.	16.3
FH (60-80)	150.1	N.A.	19.9
FVH (80-90)	85.6	N.A.	11.4
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	85.6	N.A.	11.4
UH (100-180)	290.6	N.A.	38.6
Total	752.4	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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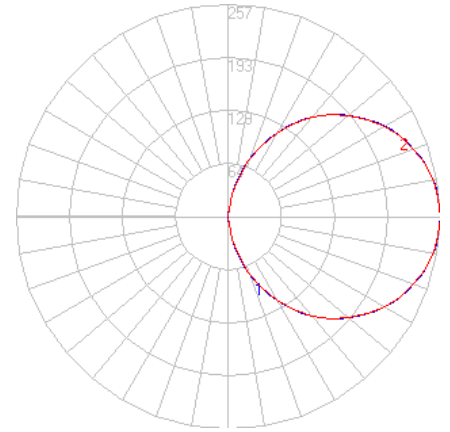
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BEGA

File: 24018K3_BEGA_IES.ies

TEST: BE_24018K4
TEST LAB: BEGA
DATE: 4/13/2016
LUMINAIRE: 24 018K3
LAMP: 5.6W LED



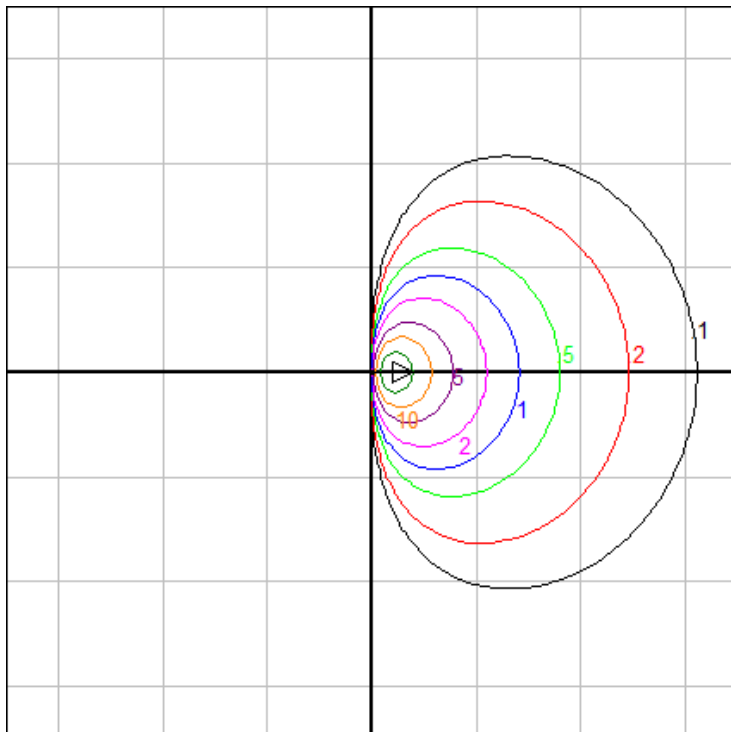
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	745
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	257.341 (0H, 90V)
Max. Cd. (<90 Vert.)	257.05 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	257.341 (34.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	257.05 (34.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

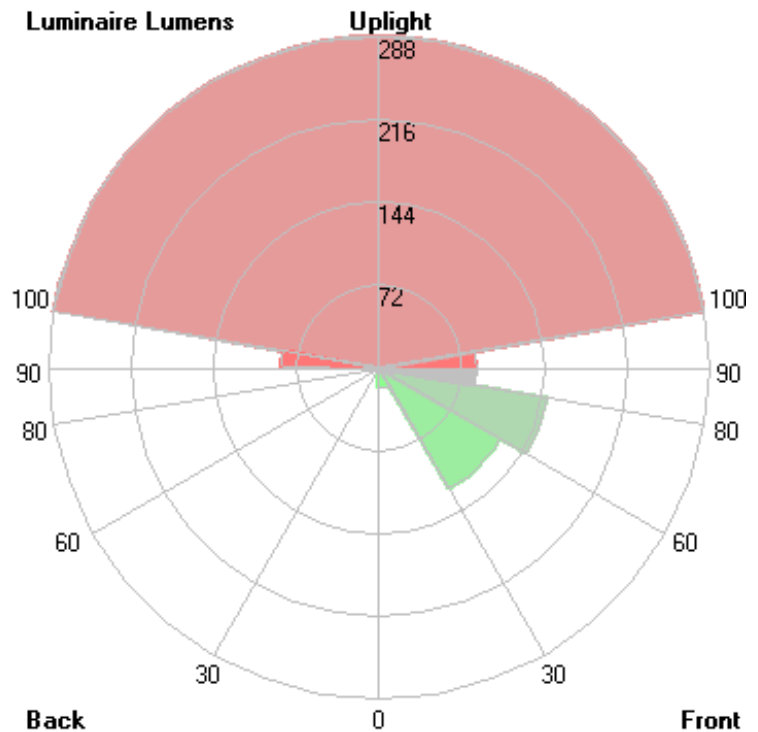
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	17.3	N.A.	2.3
FM (30-60)	121.8	N.A.	16.4
FH (60-80)	148.6	N.A.	19.9
FVH (80-90)	84.7	N.A.	11.4
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	84.7	N.A.	11.4
UH (100-180)	287.6	N.A.	38.6
Total	744.7	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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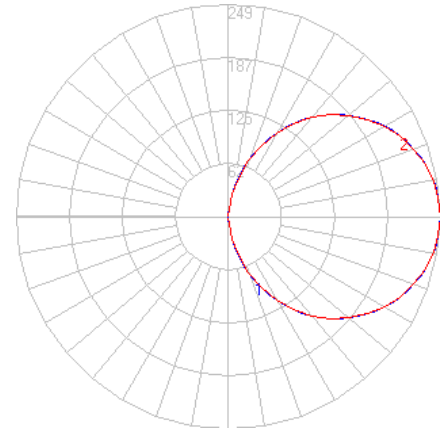
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BEGA

File: 24018K27_BEGA_IES.ies

TEST: BE_24018K4
TEST LAB: BEGA
DATE: 4/13/2016
LUMINAIRE: 24 018K27
LAMP: 5.6W LED



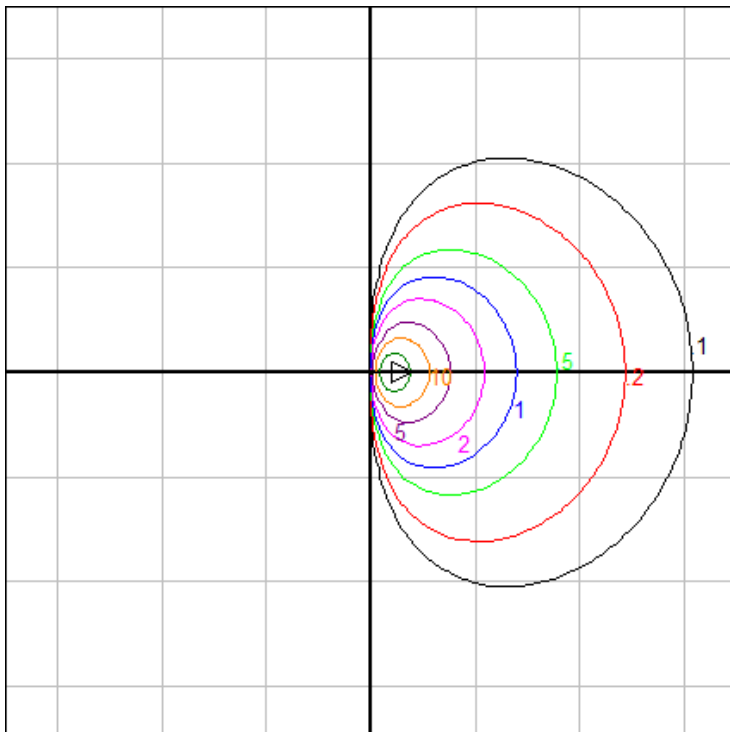
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	722
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	249.382 (0H, 90V)
Max. Cd. (<90 Vert.)	249.1 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	249.382 (34.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	249.1 (34.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

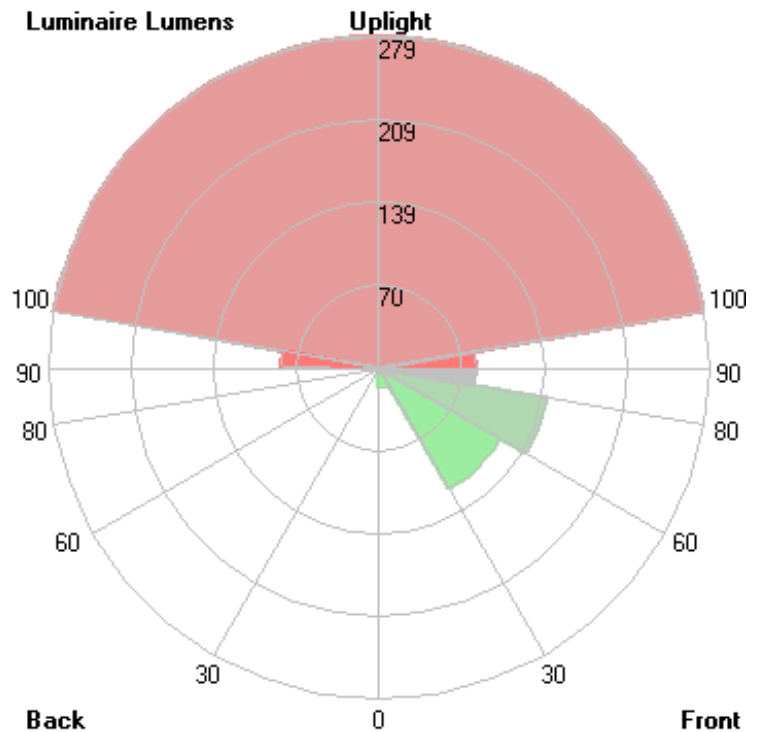
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	16.7	N.A.	2.3
FM (30-60)	118.0	N.A.	16.4
FH (60-80)	144.0	N.A.	20.0
FVH (80-90)	82.1	N.A.	11.4
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	82.1	N.A.	11.4
UH (100-180)	278.7	N.A.	38.6
Total	721.6	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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