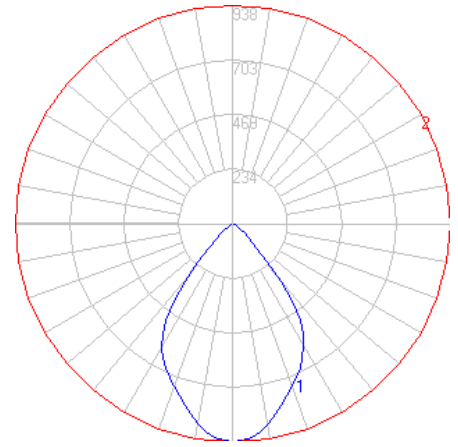


BEGA

File: 24728K4_BEGA_IES.ies

TEST: BE_24728K4
TEST LAB: BEGA
DATE: 03/25/2022
LUMINAIRE: 24 728K4
LAMP: 8.4W LED

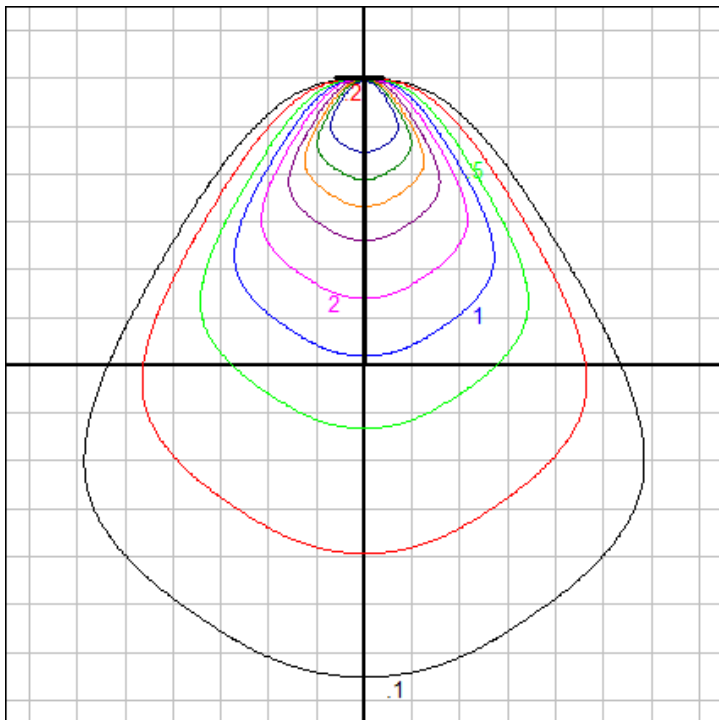


Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1099
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	937.5 (0H, 0V)
Max. Cd. (<90 Vert.)	937.5 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.9 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	313.8	N.A.	28.5
FM (30-60)	229.7	N.A.	20.9
FH (60-80)	5.9	N.A.	0.5
FVH(80-90)	0.2	N.A.	0.0
BL (0-30)	313.8	N.A.	28.5
BM (30-60)	229.7	N.A.	20.9
BH (60-80)	5.9	N.A.	0.5
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1099.2	N.A.	100.0
BUG Rating B1-U0-G0			

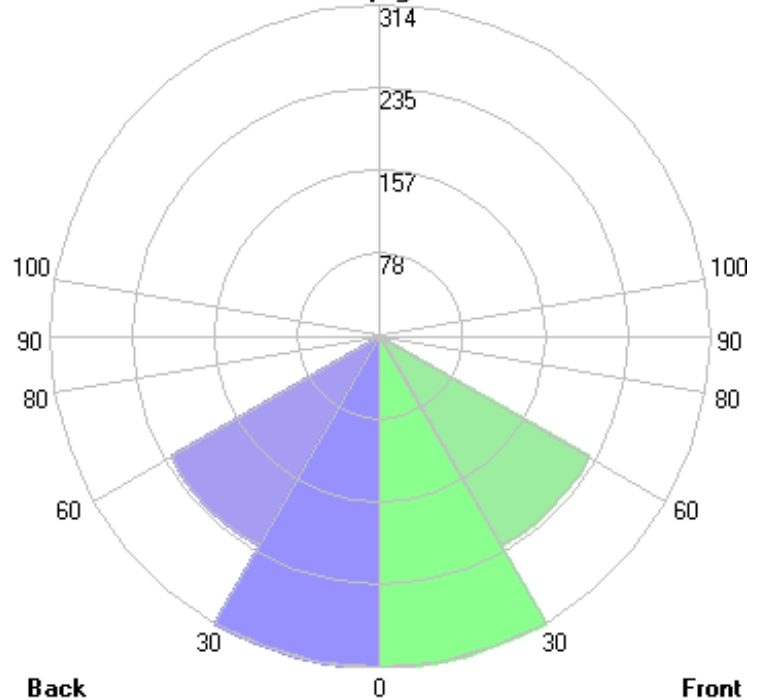


Isofootcandle grid on wall

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



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

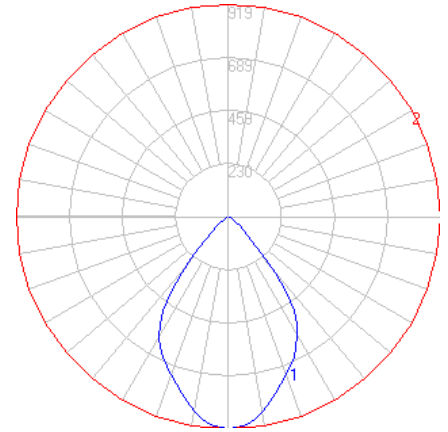
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BEGA

File: 24728K35_BEGA_IES.ies

TEST: BE_24728K4
TEST LAB: BEGA
DATE: 03/25/2022
LUMINAIRE: 24 728K35
LAMP: 8.4W LED



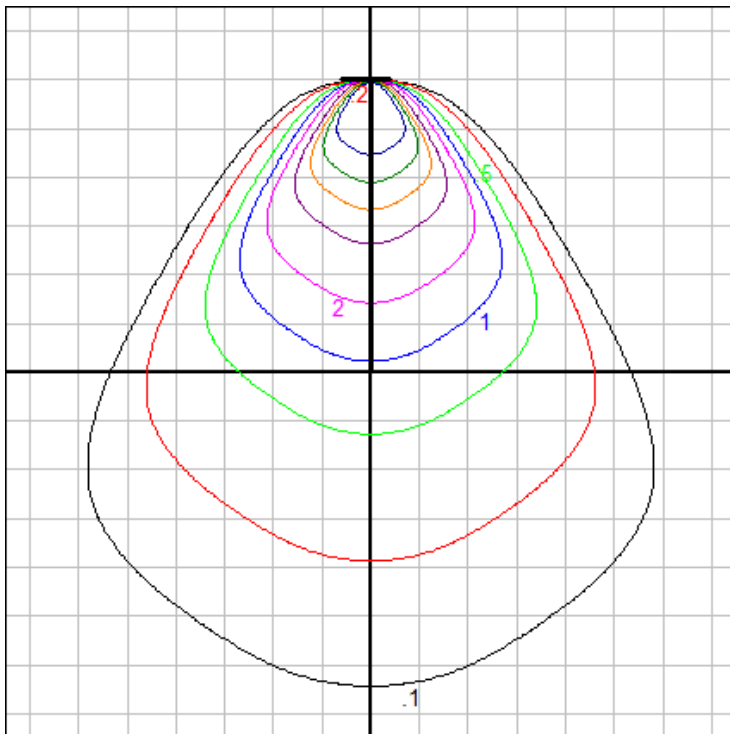
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1077
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	918.75 (0H, 0V)
Max. Cd. (<90 Vert.)	918.75 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.882 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	307.5	N.A.	28.5
FM (30-60)	225.1	N.A.	20.9
FH (60-80)	5.8	N.A.	0.5
FVH(80-90)	0.2	N.A.	0.0
BL (0-30)	307.5	N.A.	28.5
BM (30-60)	225.1	N.A.	20.9
BH (60-80)	5.8	N.A.	0.5
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1077.2	N.A.	100.0

BUG Rating B1-U0-G0

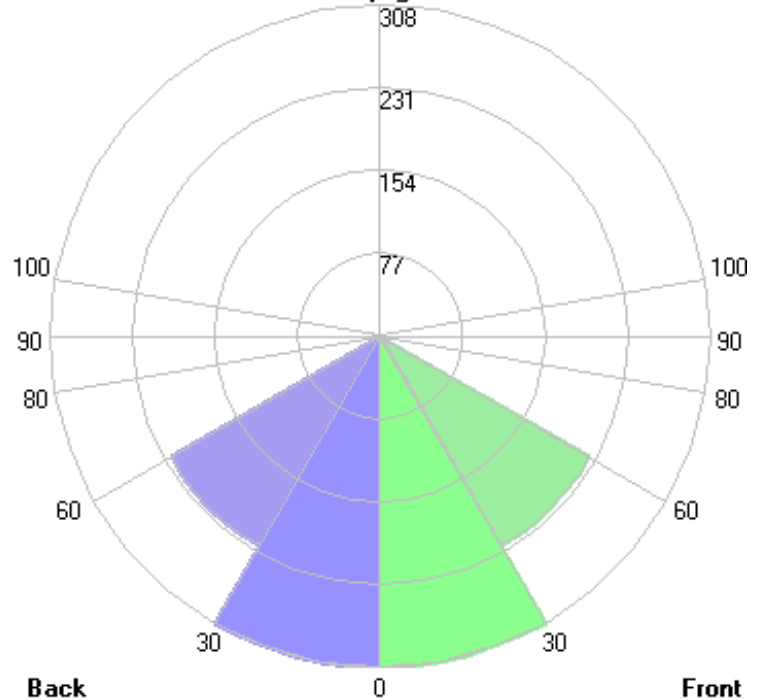


Isofootcandle grid on wall

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



Back

0

Front

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

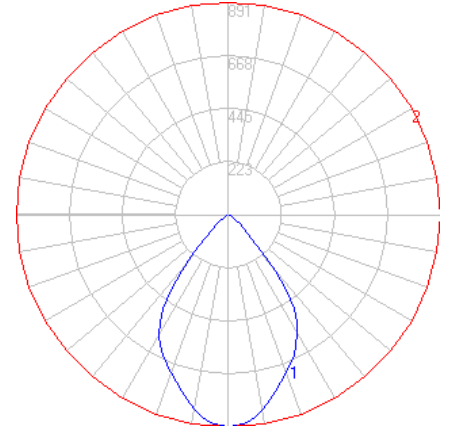
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BEGA

File: 24728K3_BEGA_IES.ies

TEST: BE_24728K4
TEST LAB: BEGA
DATE: 03/25/2022
LUMINAIRE: 24 728K3
LAMP: 8.4W LED



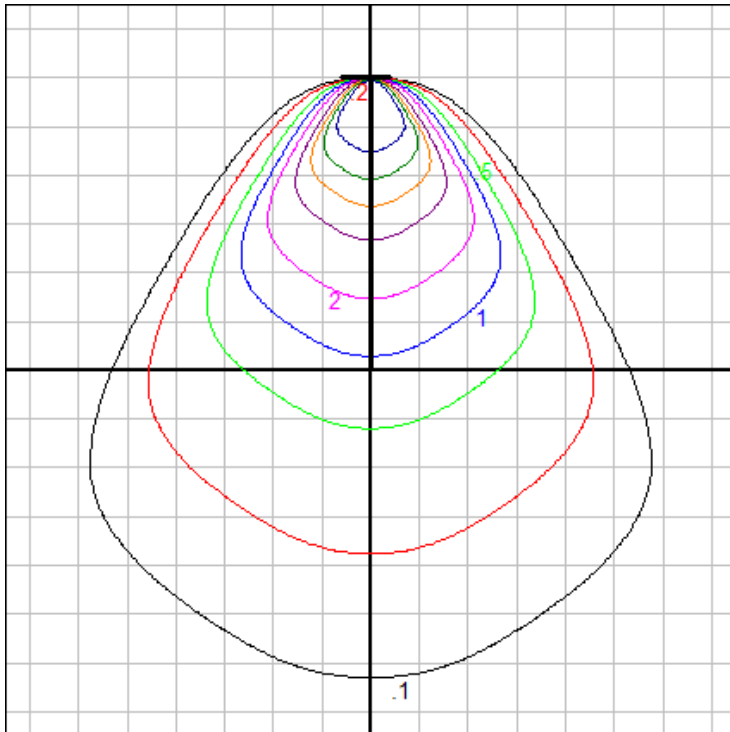
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1044
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	890.625 (0H, 0V)
Max. Cd. (<90 Vert.)	890.625 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.855 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	298.1	N.A.	28.6
FM (30-60)	218.2	N.A.	20.9
FH (60-80)	5.6	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	298.1	N.A.	28.6
BM (30-60)	218.2	N.A.	20.9
BH (60-80)	5.6	N.A.	0.5
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1044.0	N.A.	100.0

BUG Rating B1-U0-G0

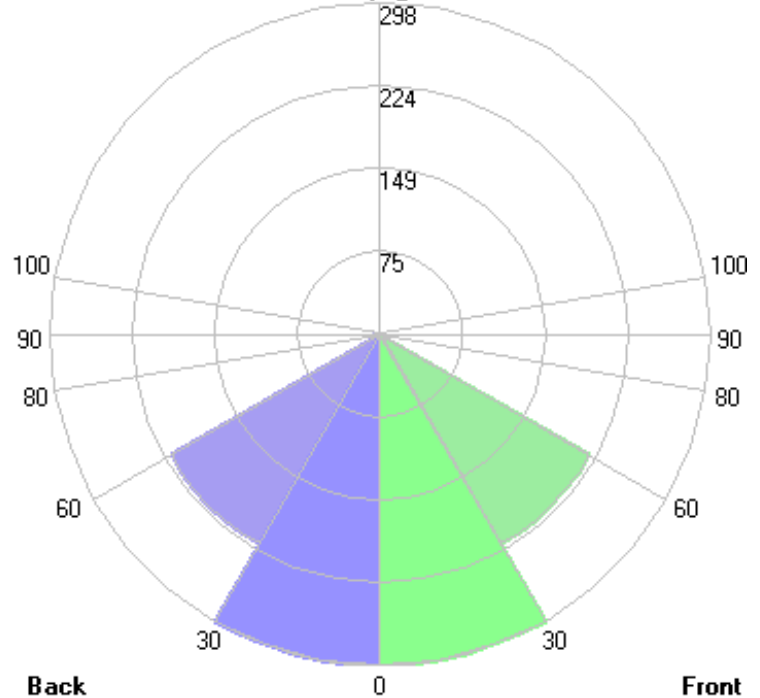


Isofootcandle grid on wall

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



Back

0

Front

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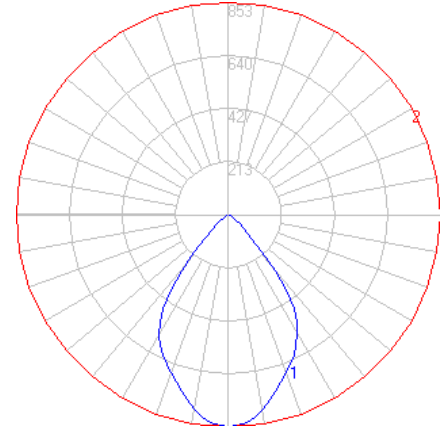
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BEGA

File: 24728K27_BEGA_IES.ies

TEST: BE_24728K4
TEST LAB: BEGA
DATE: 03/25/2022
LUMINAIRE: 24 728K27
LAMP: 8.4W LED



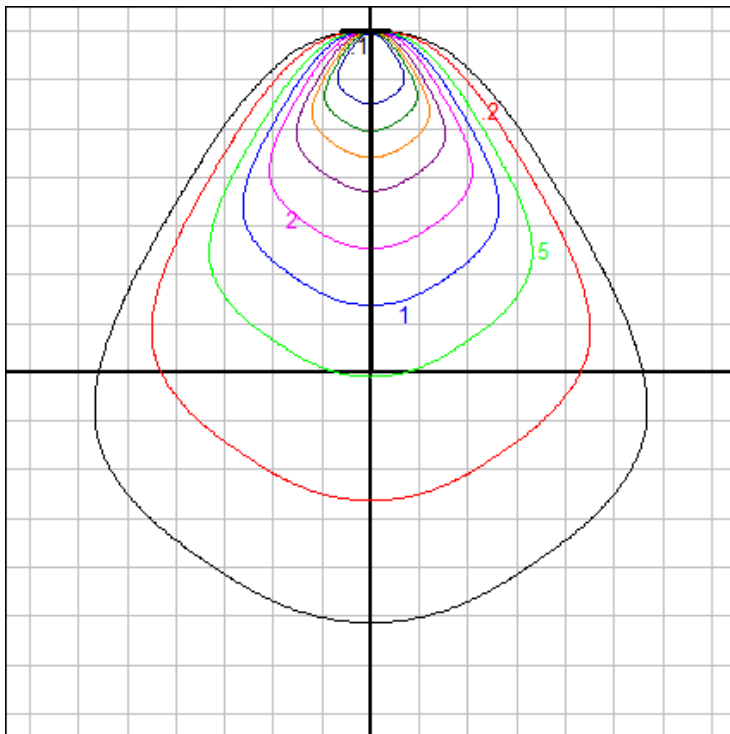
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1000
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	853.125 (0H, 0V)
Max. Cd. (<90 Vert.)	853.125 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.819 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	285.6	N.A.	28.6
FM (30-60)	209.0	N.A.	20.9
FH (60-80)	5.4	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	285.6	N.A.	28.6
BM (30-60)	209.0	N.A.	20.9
BH (60-80)	5.4	N.A.	0.5
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1000.2	N.A.	100.0

BUG Rating B1-U0-G0

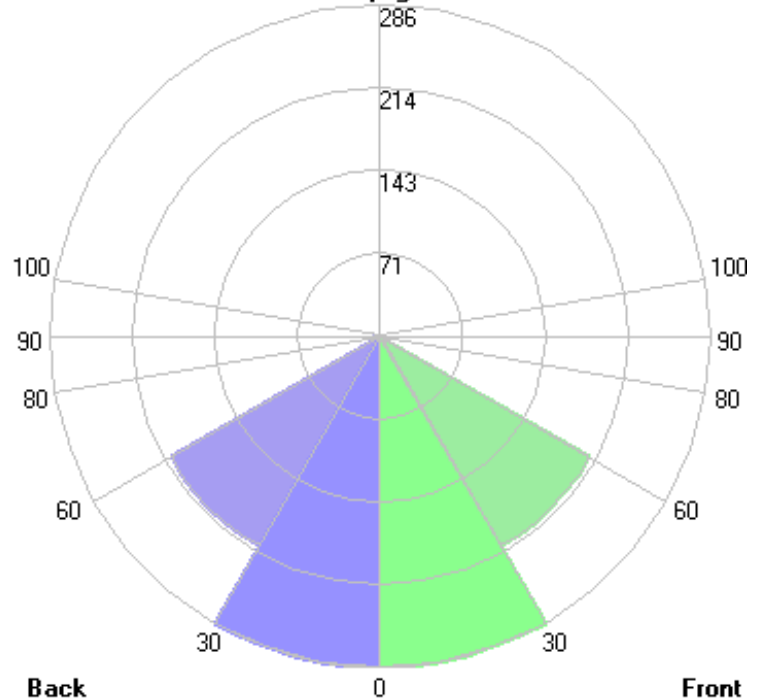


Isofootcandle grid on wall

Grid Spacing: 1.0 ft.

Luminaire Lumens

Uplight



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