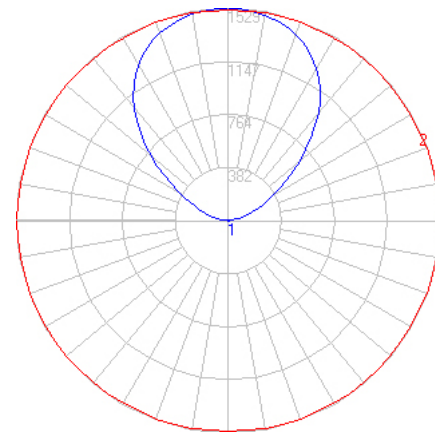


BEGA

File: 50199K4_BEGA_IES.ies

TEST: BE_50199K4
TEST LAB: BEGA
DATE: 07/05/2016
LUMINAIRE: 50 199K4
LAMP: 33.6W LED

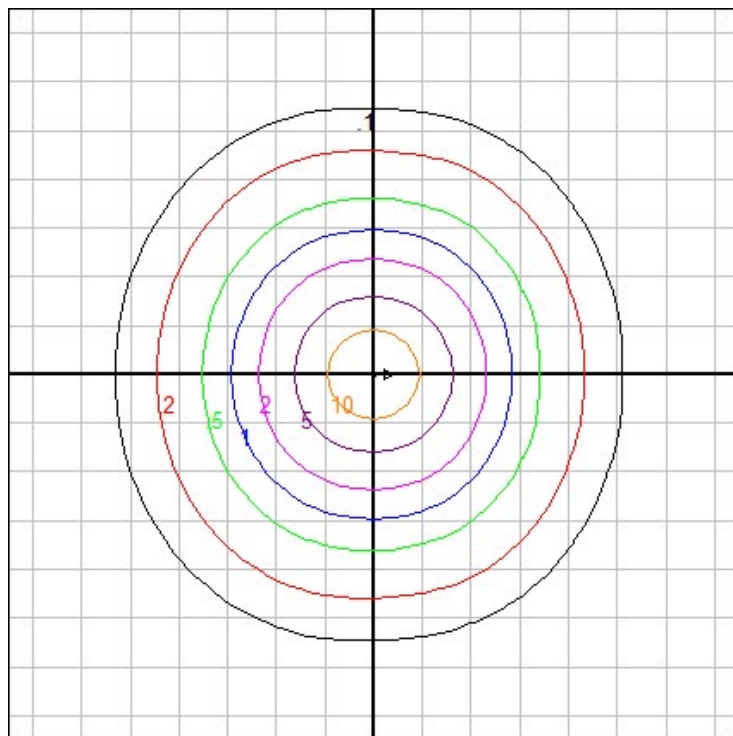


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3630
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.44 ft
Luminous Width (90-270)	1.02 ft
Luminous Height	0.01 ft

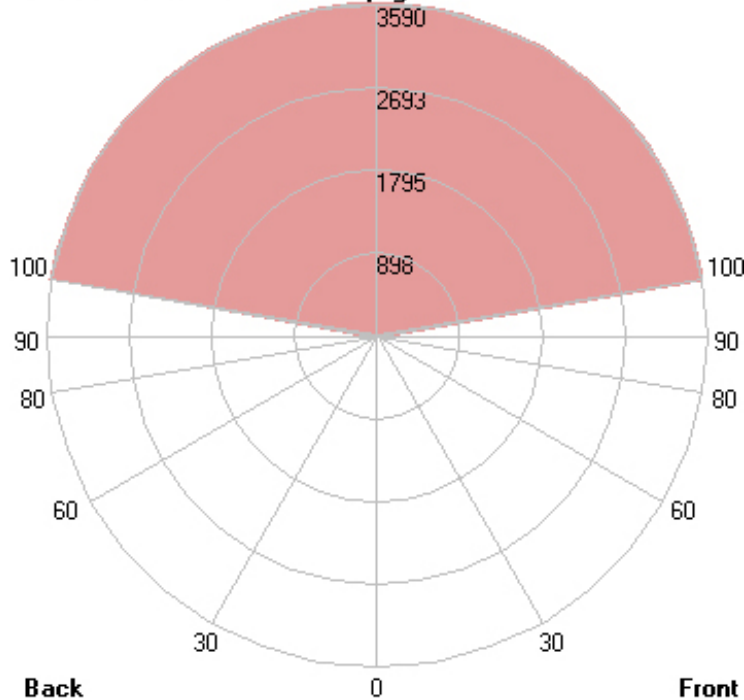
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	< 0.05	N.A.	0.0
FH	(60-80)	1.7	N.A.	0.0
FVH	(80-90)	1.2	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	< 0.05	N.A.	0.0
BH	(60-80)	0.7	N.A.	0.0
BVH	(80-90)	0.6	N.A.	0.0
UL	(90-100)	35.6	N.A.	1.0
UH	(100-180)	3590.2	N.A.	98.9
Total		3630.0	N.A.	100.0
BUG Rating	B0-U5-G0			



Luminaire Lumens

Uplight



Ceiling Height: 10 ft

Grid Spacing: 5ft.

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

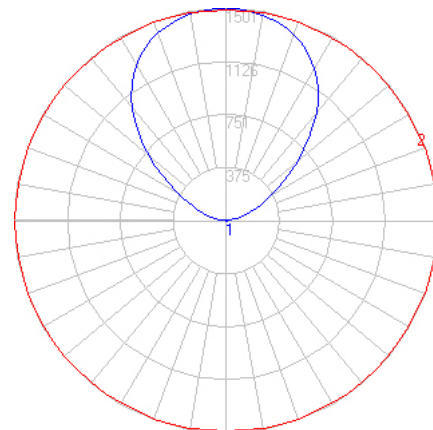
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BEGA

File: 50199K35_BEGA_IES.ies

TEST: BE_50199K4
TEST LAB: BEGA
DATE: 07/05/2016
LUMINAIRE: 50 199K35
LAMP: 33.6W LED

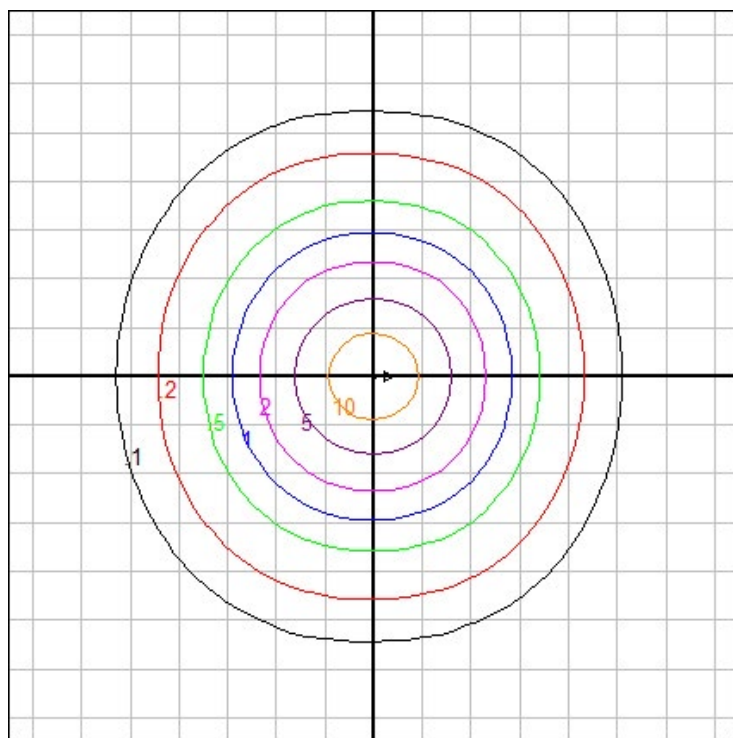


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3565
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.44 ft
Luminous Width (90-270)	1.02 ft
Luminous Height	0.01 ft

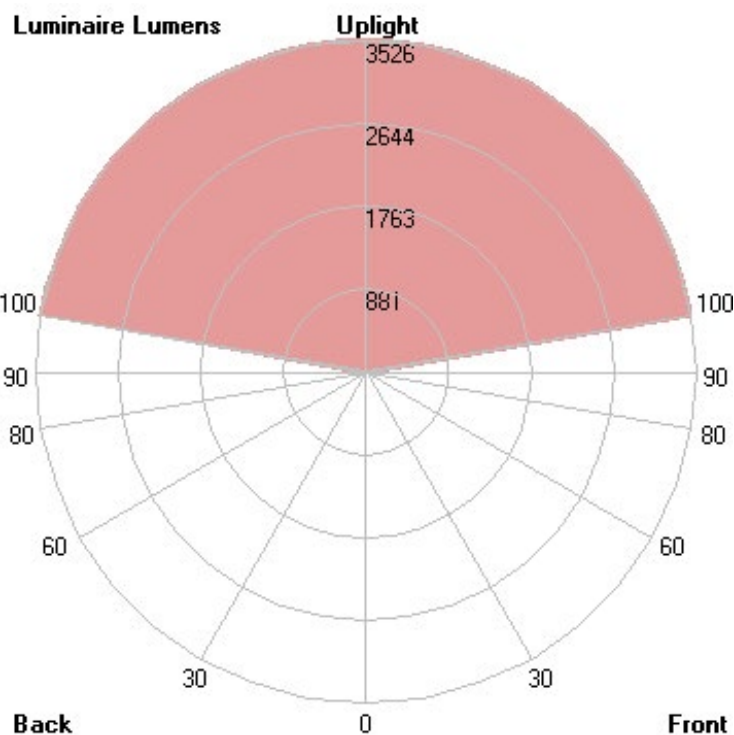
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	< 0.05	N.A.	0.0
FH	(60-80)	1.7	N.A.	0.0
FVH	(80-90)	1.2	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	< 0.05	N.A.	0.0
BH	(60-80)	0.7	N.A.	0.0
BVH	(80-90)	0.6	N.A.	0.0
UL	(90-100)	34.9	N.A.	1.0
UH	(100-180)	3525.5	N.A.	98.9
Total		3564.6	N.A.	100.0
BUG Rating	B0-U5-G0			



Ceiling Height: 10 ft

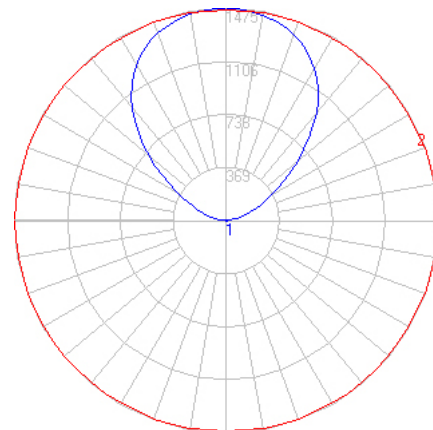
Grid Spacing: 5ft.



BEGA

File: 50199K3_BEGA_IES.ies

TEST: BE_50199K4
TEST LAB: BEGA
DATE: 07/05/2016
LUMINAIRE: 50 199K3
LAMP: 33.6W LED

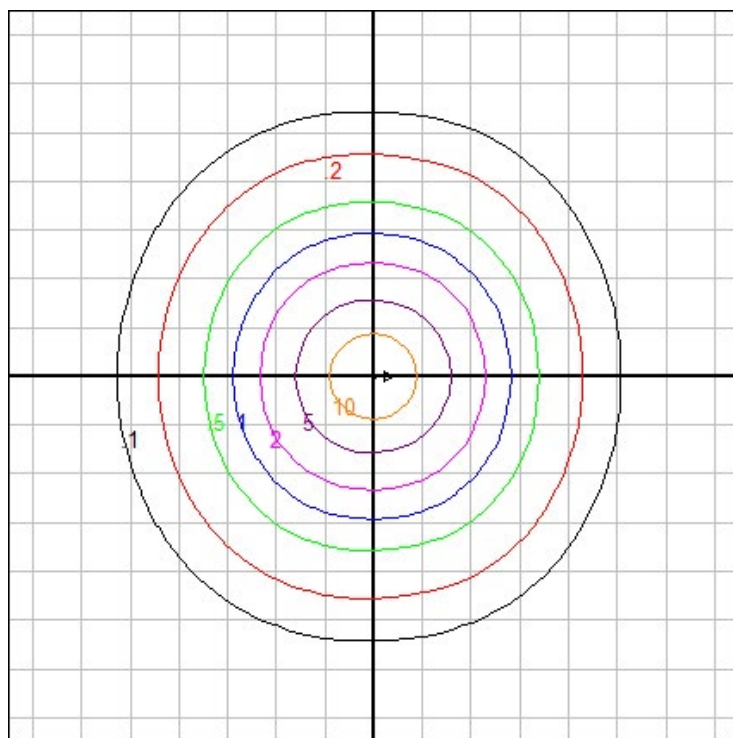


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.44 ft
Luminous Width (90-270)	1.02 ft
Luminous Height	0.01 ft

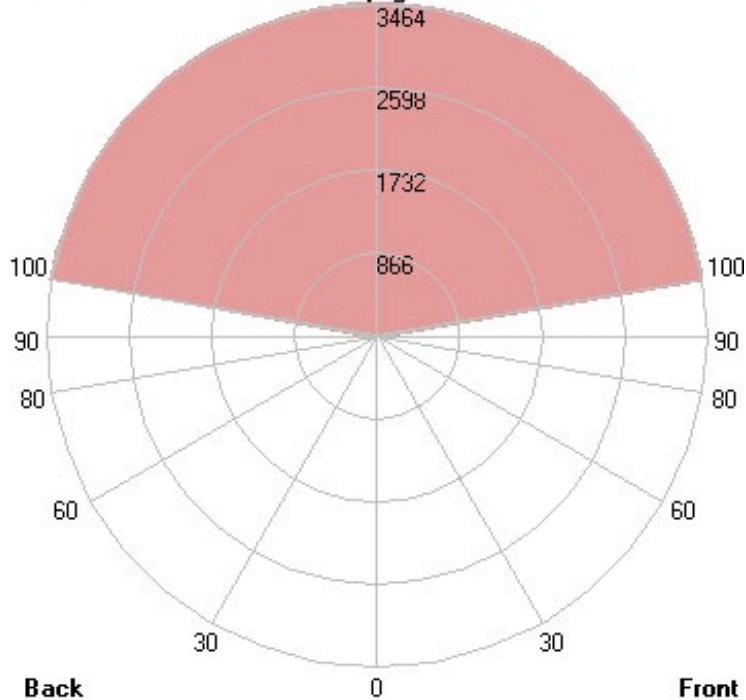
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	< 0.05	N.A.	0.0
FH	(60-80)	1.6	N.A.	0.0
FVH	(80-90)	1.1	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	< 0.05	N.A.	0.0
BH	(60-80)	0.6	N.A.	0.0
BVH	(80-90)	0.6	N.A.	0.0
UL	(90-100)	34.3	N.A.	1.0
UH	(100-180)	3464.5	N.A.	98.9
Total		3502.7	N.A.	100.0
BUG Rating	B0-U5-G0			



Luminaire Lumens

Uplight



Ceiling Height: 10 ft

Grid Spacing: 5ft.

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

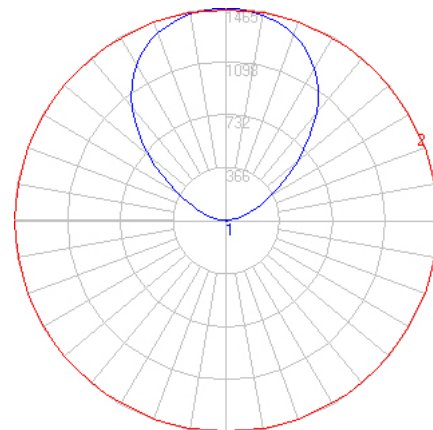
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BEGA

File: 50199K27_BEGA_IES.ies

TEST: BE_50199K4
TEST LAB: BEGA
DATE: 07/05/2016
LUMINAIRE: 50 199K27
LAMP: 33.6W LED

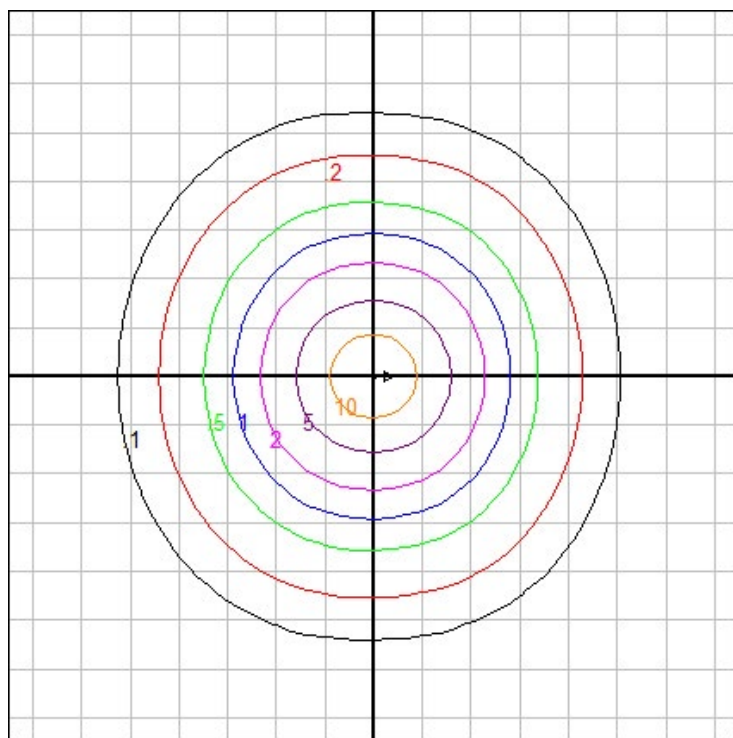


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3477
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.44 ft
Luminous Width (90-270)	1.02 ft
Luminous Height	0.01 ft

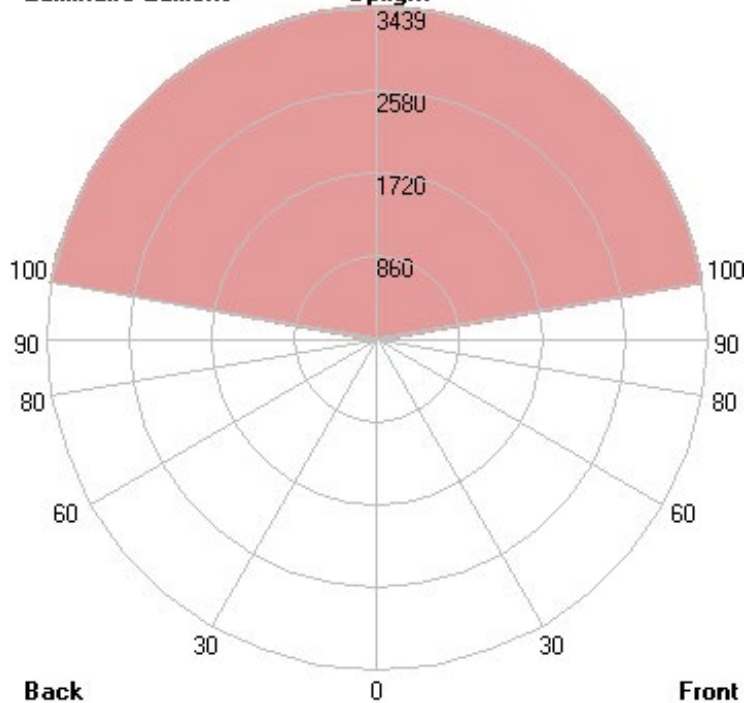
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	< 0.05	N.A.	0.0
FH	(60-80)	1.6	N.A.	0.0
FVH	(80-90)	1.1	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	< 0.05	N.A.	0.0
BH	(60-80)	0.6	N.A.	0.0
BVH	(80-90)	0.6	N.A.	0.0
UL	(90-100)	34.1	N.A.	1.0
UH	(100-180)	3439.4	N.A.	98.9
Total		3477.4	N.A.	100.0
BUG Rating	B0-U5-G0			



Luminaire Lumens

Uplight



Ceiling Height: 10 ft

Grid Spacing: 3ft.

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