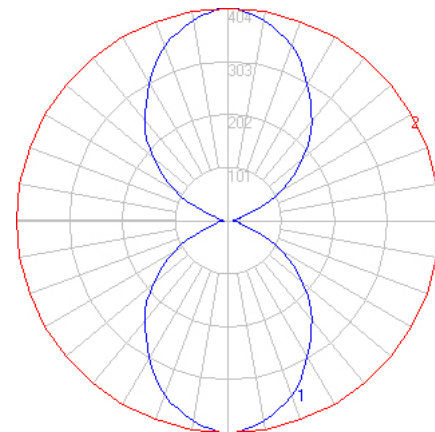


BEGA

File: 50601K4_BEGA_IES.ies

TEST: BE_50601K4
TEST LAB: BEGA
DATE: 12/13/2018
LUMINAIRE: 50 601K4
LAMP: 16.2W LED

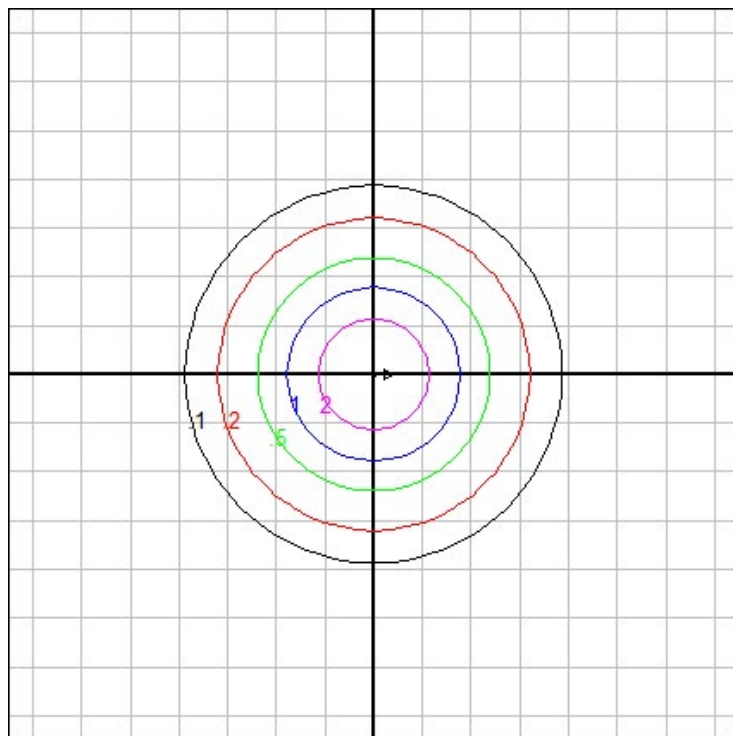


Characteristics

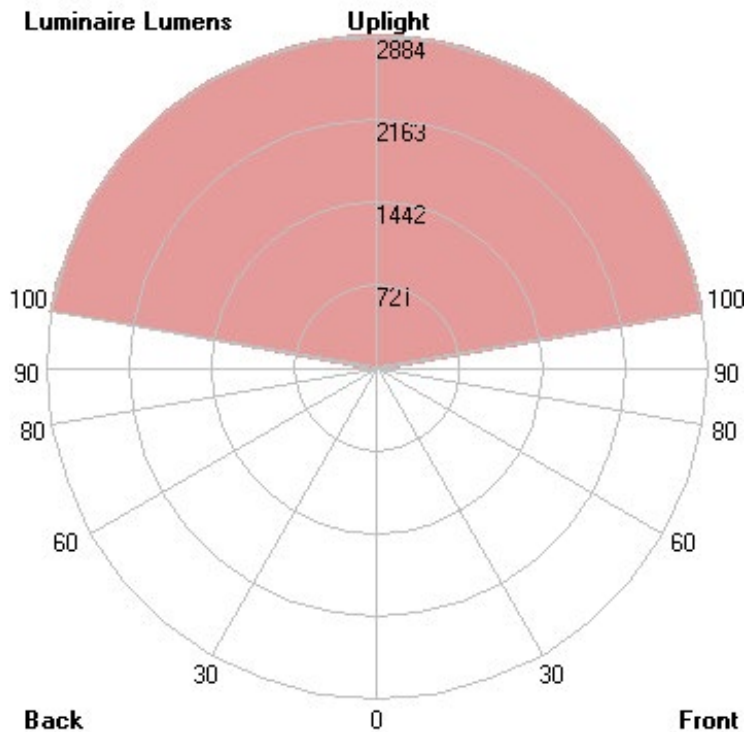
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1803
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.10 ft

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	147.2	N.A. 8.2
FM	(30-60)	238.5	N.A. 13.2
FH	(60-80)	56.7	N.A. 3.1
FVH	(80-90)	8.5	N.A. 0.5
BL	(0-30)	147.2	N.A. 8.2
BM	(30-60)	238.5	N.A. 13.2
BH	(60-80)	56.7	N.A. 3.1
BVH	(80-90)	8.5	N.A. 0.5
UL	(90-100)	17.0	N.A. 0.9
UH	(100-180)	884.7	N.A. 49.1
Total		1803.5	N.A. 100.0
BUG Rating	B1-U4-G0		



Luminaire Lumens



Mounting Height: 10 ft

Grid Spacing: 5ft.

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

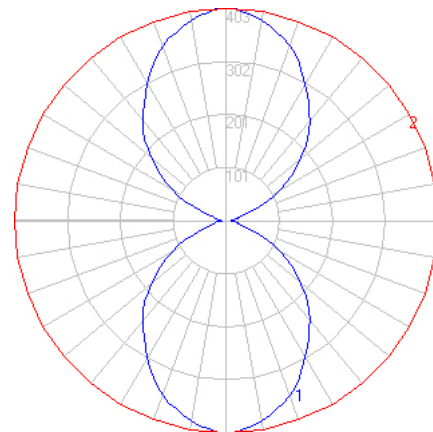
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07/13/20

BEGA

File: 50601K35_BEGA_IES.ies

TEST: BE_50601K4
TEST LAB: BEGA
DATE: 12/13/2018
LUMINAIRE: 50 601K35
LAMP: 16.2W LED

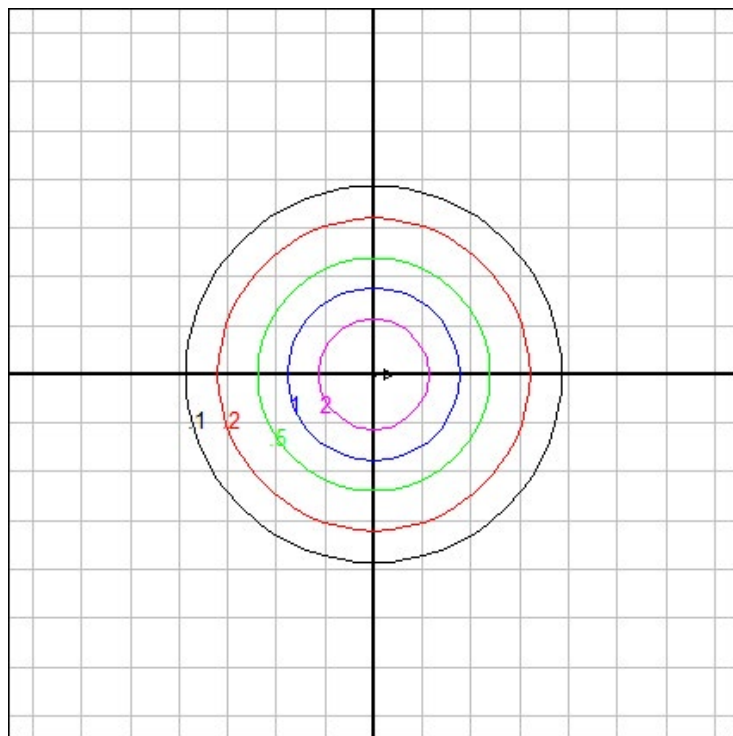


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.10 ft

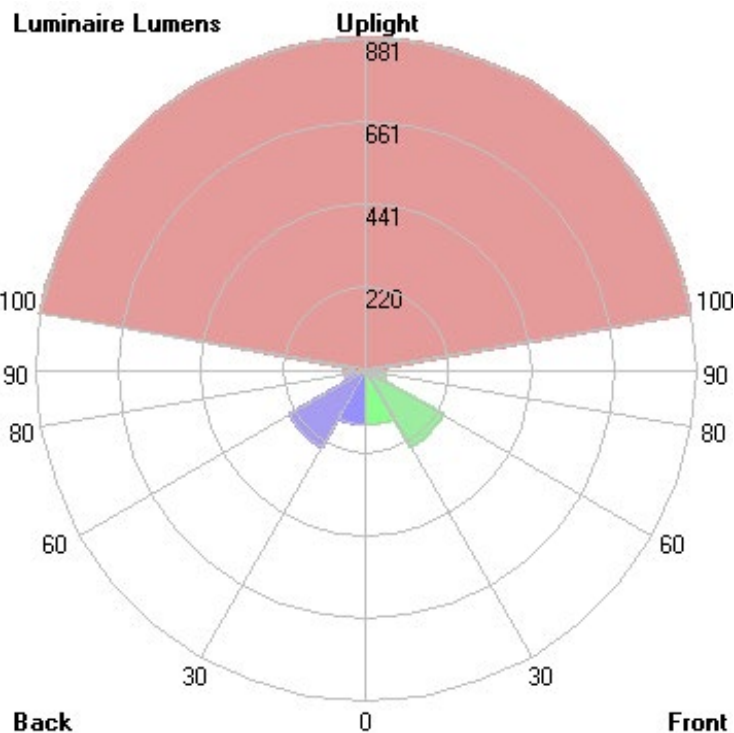
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	146.6	N.A. 8.2
FM	(30-60)	237.5	N.A. 13.2
FH	(60-80)	56.5	N.A. 3.1
FVH	(80-90)	8.4	N.A. 0.5
BL	(0-30)	146.6	N.A. 8.2
BM	(30-60)	237.5	N.A. 13.2
BH	(60-80)	56.5	N.A. 3.1
BVH	(80-90)	8.4	N.A. 0.5
UL	(90-100)	16.9	N.A. 0.9
UH	(100-180)	881.2	N.A. 49.1
Total		1796.1	N.A. 100.0
BUG Rating	B1-U4-G0		



Mounting Height: 10 ft

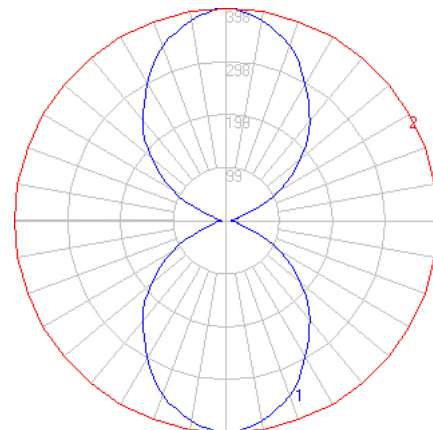
Grid Spacing: 5ft.



BEGA

File: 50601K3_BEGA_IES.ies

TEST: BE_50601K4
TEST LAB: BEGA
DATE: 12/13/2018
LUMINAIRE: 50 601K3
LAMP: 16.2W LED

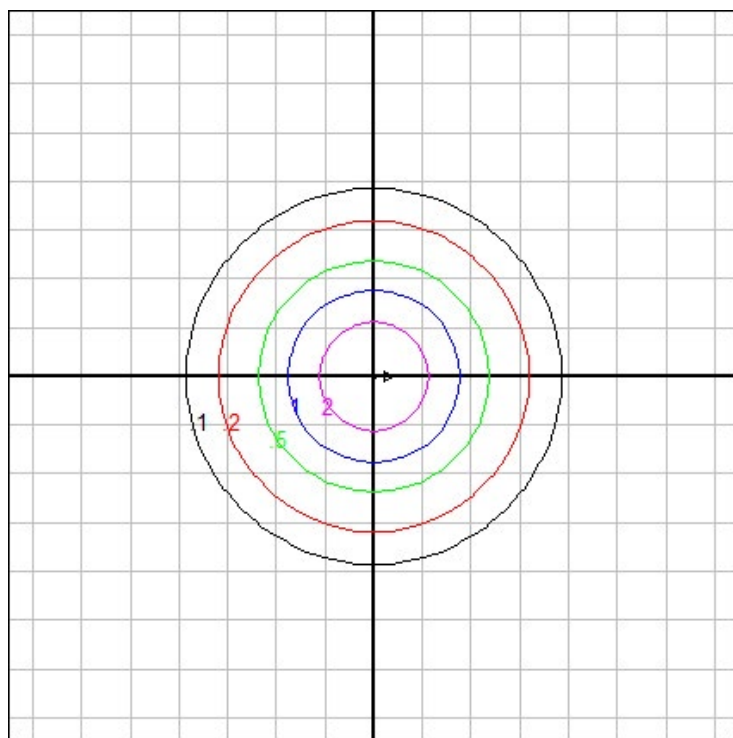


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.10 ft

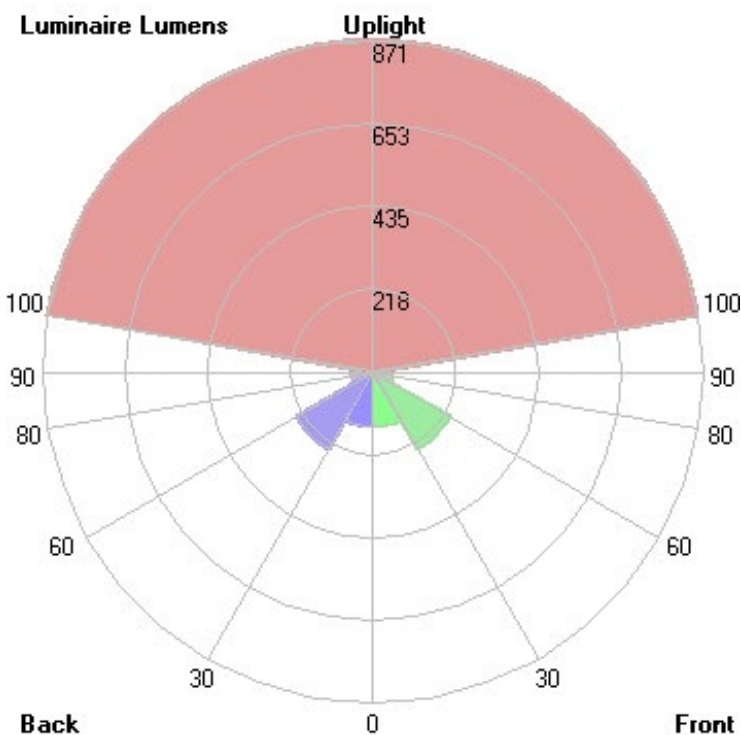
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	144.8	N.A. 8.2
FM	(30-60)	234.7	N.A. 13.2
FH	(60-80)	55.8	N.A. 3.1
FVH	(80-90)	8.3	N.A. 0.5
BL	(0-30)	144.8	N.A. 8.2
BM	(30-60)	234.7	N.A. 13.2
BH	(60-80)	55.8	N.A. 3.1
BVH	(80-90)	8.3	N.A. 0.5
UL	(90-100)	16.7	N.A. 0.9
UH	(100-180)	870.6	N.A. 49.1
Total		1774.5	N.A. 100.0
BUG Rating	B1-U4-G0		



Mounting Height: 10 ft

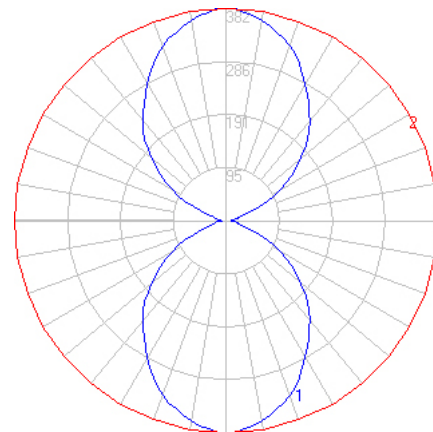
Grid Spacing: 5ft.



BEGA

File: 50601K27_BEGA_IES.ies

TEST: BE_50601K4
TEST LAB: BEGA
DATE: 12/13/2018
LUMINAIRE: 50 601K27
LAMP: 16.2W LED

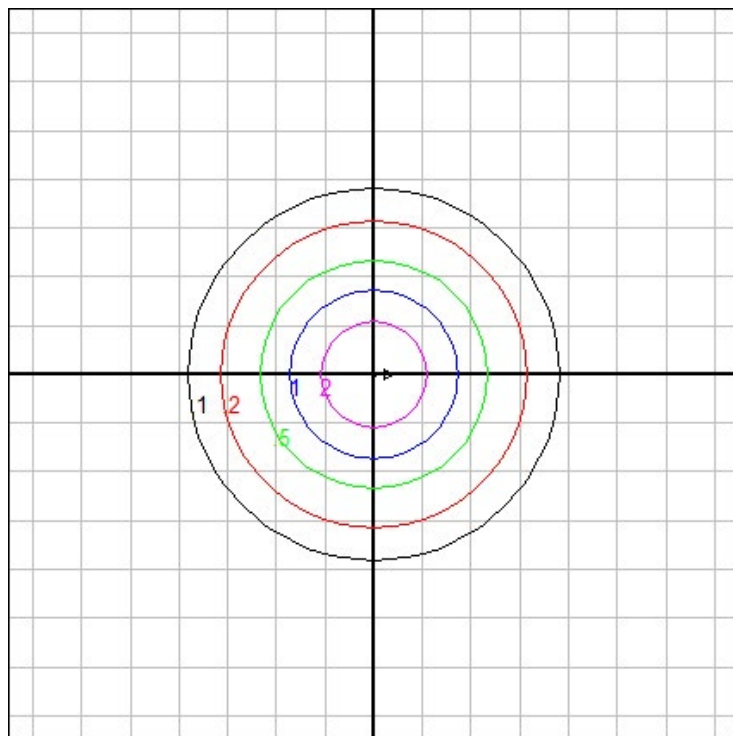


Characteristics

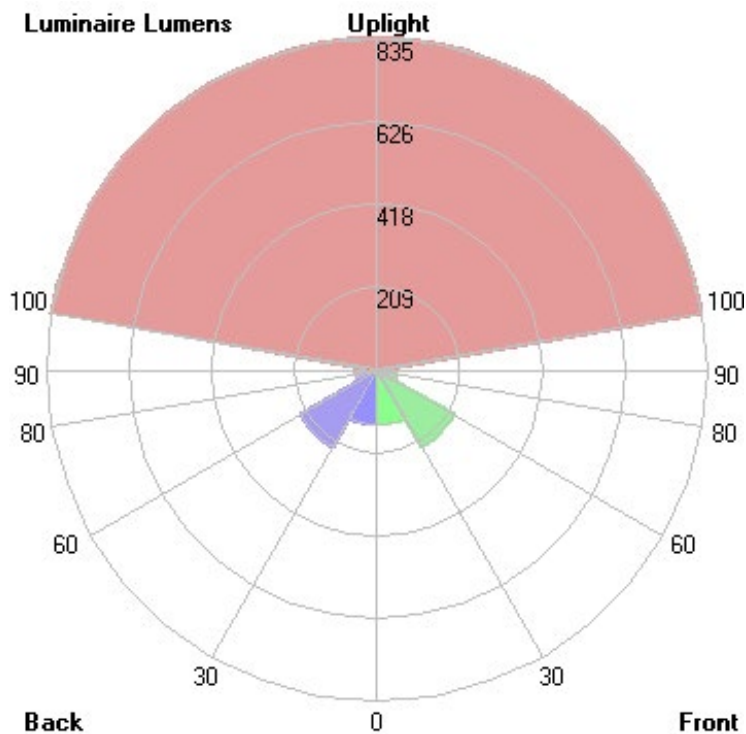
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1702
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.10 ft

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	138.9	N.A. 8.2
FM	(30-60)	225.1	N.A. 13.2
FH	(60-80)	53.5	N.A. 3.1
FVH	(80-90)	8.0	N.A. 0.5
BL	(0-30)	138.9	N.A. 8.2
BM	(30-60)	225.1	N.A. 13.2
BH	(60-80)	53.5	N.A. 3.1
BVH	(80-90)	8.0	N.A. 0.5
UL	(90-100)	16.0	N.A. 0.9
UH	(100-180)	835.2	N.A. 49.1
Total		1702.2	N.A. 100.0
BUG Rating	B1-U4-G0		



Luminaire Lumens



Mounting Height: 10 ft

Grid Spacing: 3ft.

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