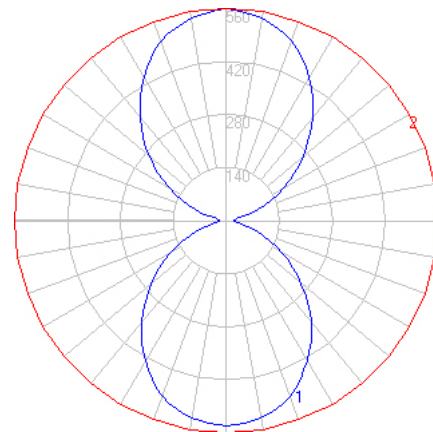


BEGA

File: 50602K4_BEGA_IES.ies

TEST: BE_50602K4
TEST LAB: BEGA
DATE: 10/18/2018
LUMINAIRE: 50 602K4
LAMP: 23W LED

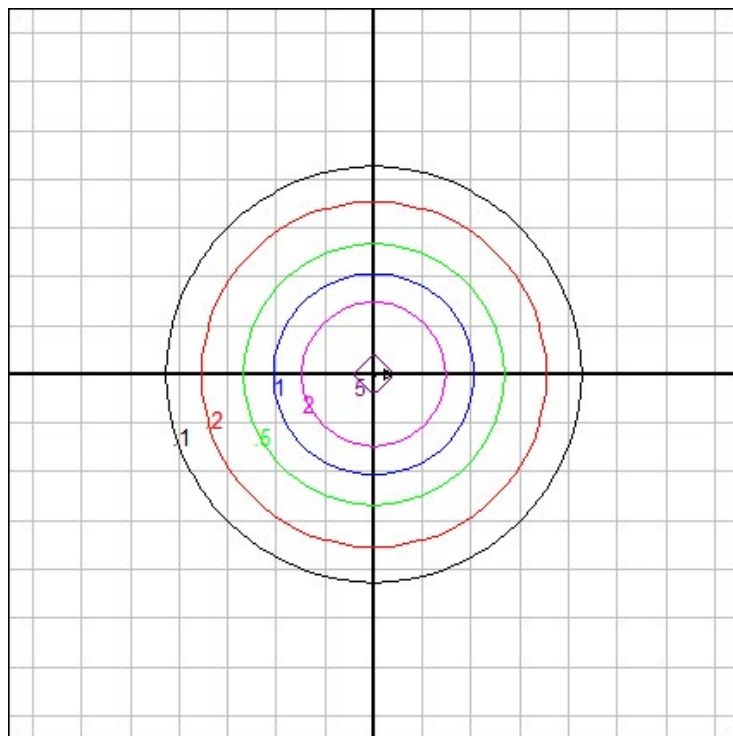


Characteristics

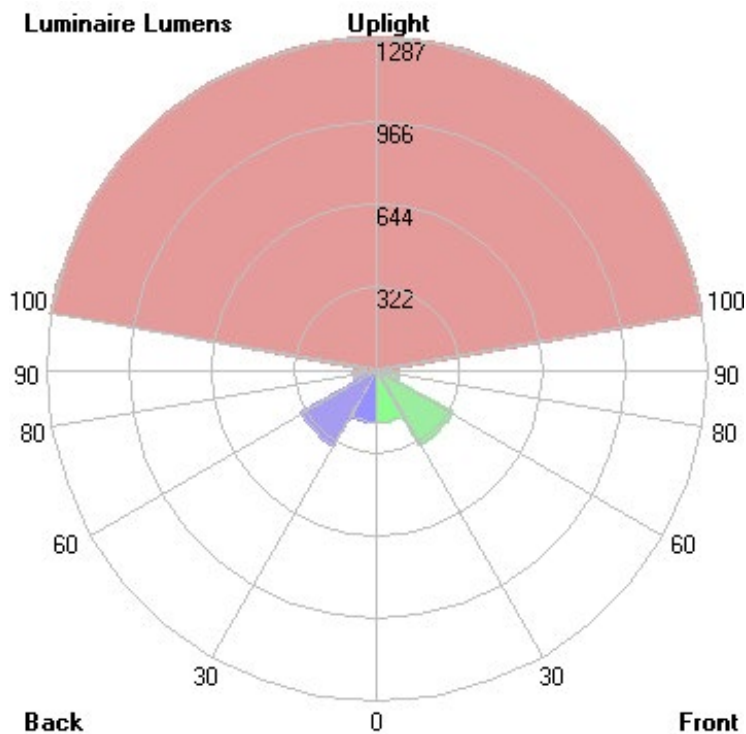
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2594
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	27
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.13 ft

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	204.5	N.A. 7.9
FM	(30-60)	335.5	N.A. 12.9
FH	(60-80)	90.3	N.A. 3.5
FVH	(80-90)	11.5	N.A. 0.4
BL	(0-30)	204.5	N.A. 7.9
BM	(30-60)	335.5	N.A. 12.9
BH	(60-80)	90.3	N.A. 3.5
BVH	(80-90)	11.5	N.A. 0.4
UL	(90-100)	23.4	N.A. 0.9
UH	(100-180)	1287.4	N.A. 49.6
Total		2594.4	N.A. 100.0
BUG Rating	B1-U5-G1		



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.

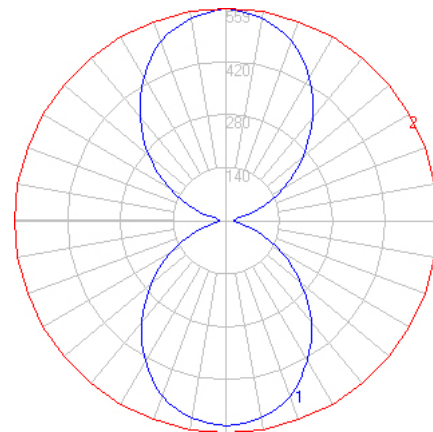
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BEGA

File: 50602K35_BEGA_IES.ies

TEST: BE_50602K4
TEST LAB: BEGA
DATE: 10/18/2018
LUMINAIRE: 50 602K35
LAMP: 23W LED

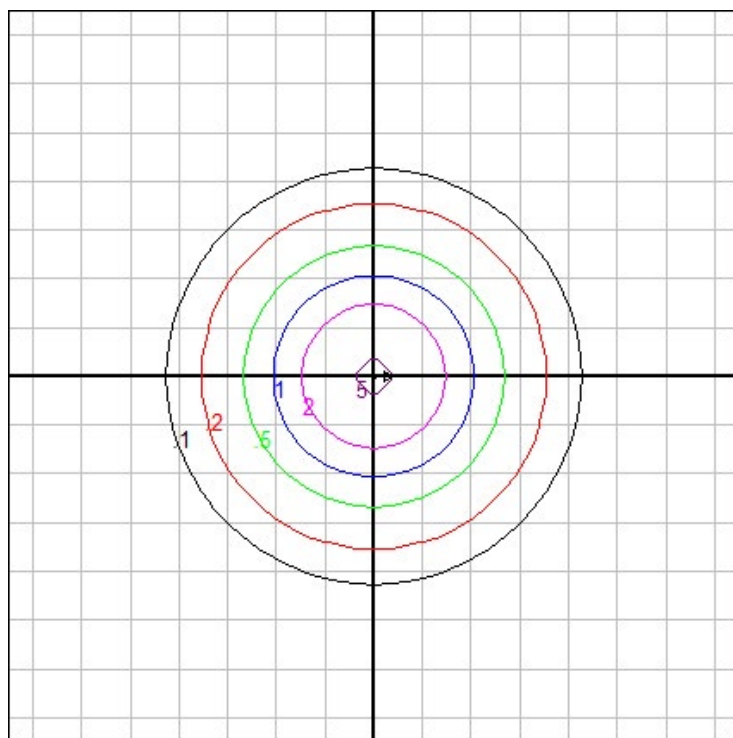


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2592
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	27
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)	0.44 ft (Diameter)
Luminous Height	0.13 ft

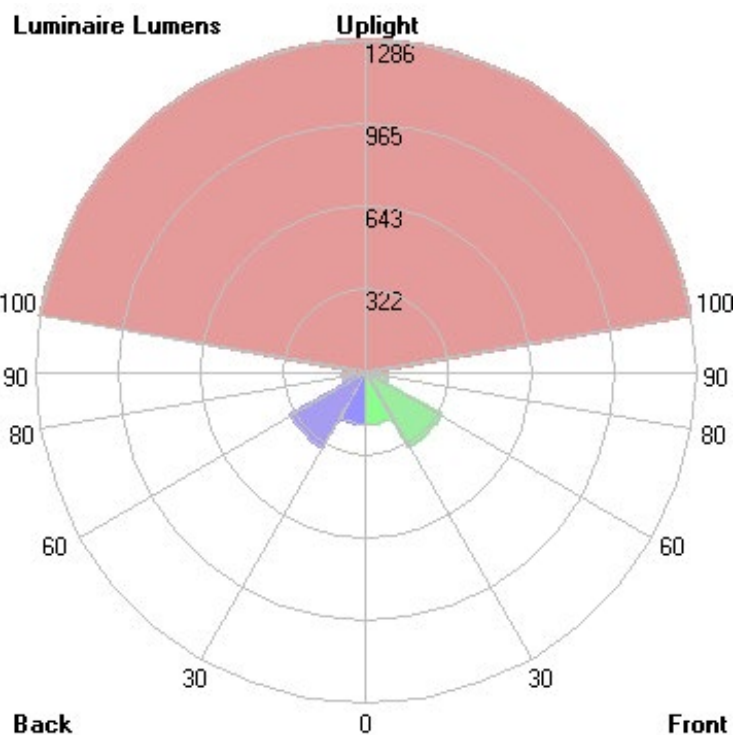
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	204.3	N.A. 7.9
FM	(30-60)	335.2	N.A. 12.9
FH	(60-80)	90.2	N.A. 3.5
FVH	(80-90)	11.4	N.A. 0.4
BL	(0-30)	204.3	N.A. 7.9
BM	(30-60)	335.2	N.A. 12.9
BH	(60-80)	90.2	N.A. 3.5
BVH	(80-90)	11.4	N.A. 0.4
UL	(90-100)	23.3	N.A. 0.9
UH	(100-180)	1286.1	N.A. 49.6
Total		2591.6	N.A. 100.0
BUG Rating	B1-U5-G1		



Mounting Height: 10 ft

Grid Spacing: 5ft.



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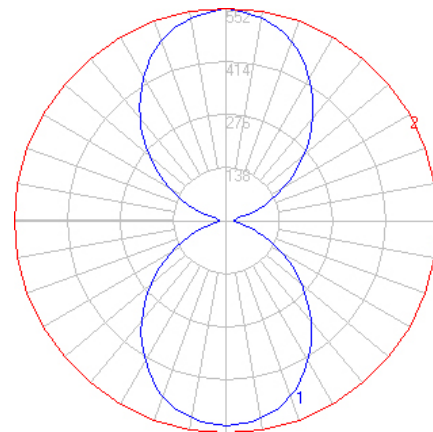
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BEGA

File: 50602K3_BEGA_IES.ies

TEST: BE_50602K4
TEST LAB: BEGA
DATE: 10/18/2018
LUMINAIRE: 50 602K3
LAMP: 23W LED

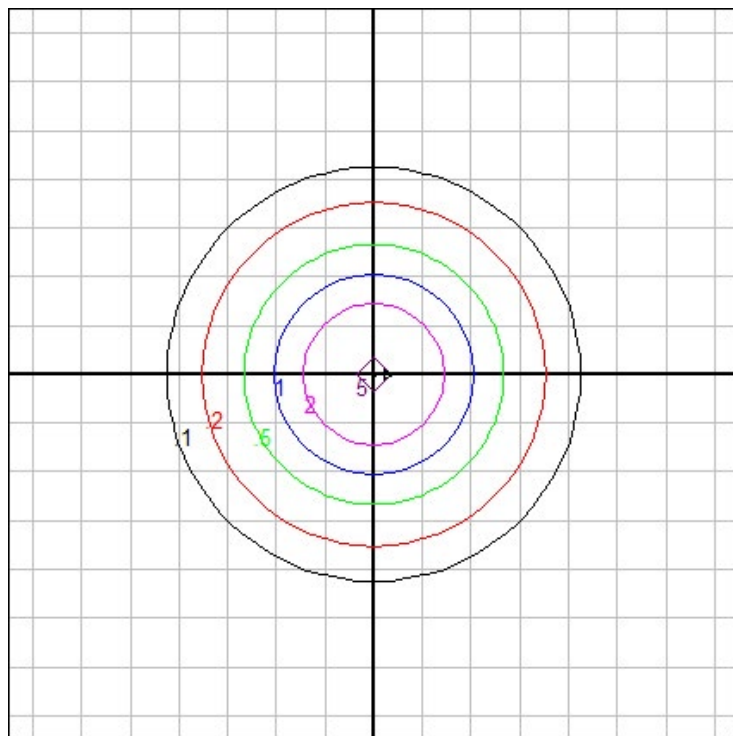


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2556
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	27
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)	0.44 ft (Diameter)
Luminous Height	0.13 ft

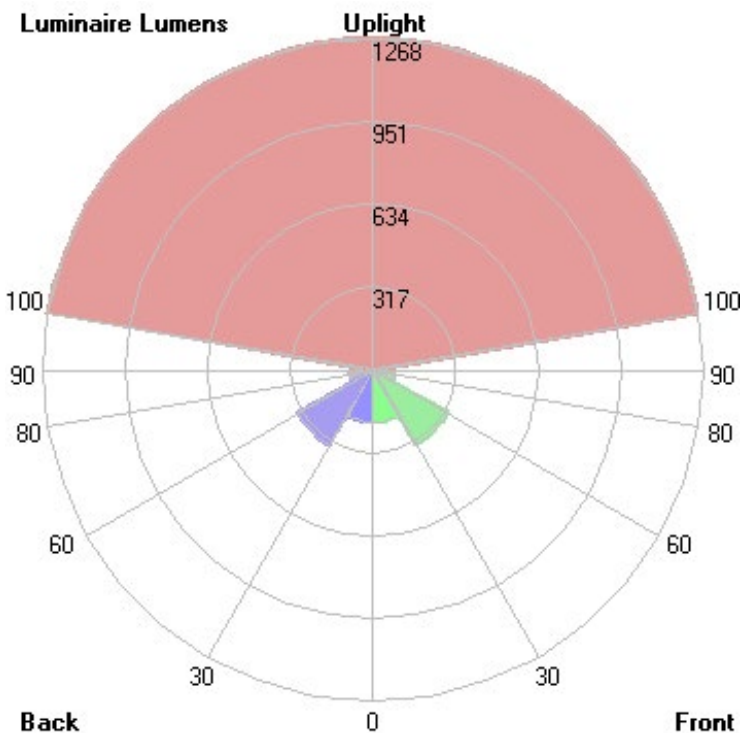
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	201.4	N.A. 7.9
FM	(30-60)	330.5	N.A. 12.9
FH	(60-80)	89.0	N.A. 3.5
FVH	(80-90)	11.3	N.A. 0.4
BL	(0-30)	201.4	N.A. 7.9
BM	(30-60)	330.5	N.A. 12.9
BH	(60-80)	89.0	N.A. 3.5
BVH	(80-90)	11.3	N.A. 0.4
UL	(90-100)	23.0	N.A. 0.9
UH	(100-180)	1268.1	N.A. 49.6
Total		2555.5	N.A. 100.0
BUG Rating	B1-U5-G1		



Mounting Height: 10 ft

Grid Spacing: 5ft.



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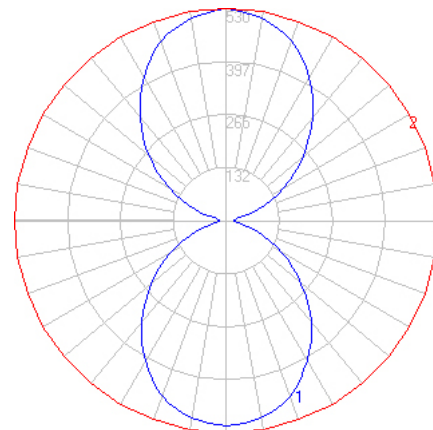
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BEGA

File: 50602K27_BEGA_IES.ies

TEST: BE_50602K4
TEST LAB: BEGA
DATE: 10/18/2018
LUMINAIRE: 50 602K27
LAMP: 23W LED

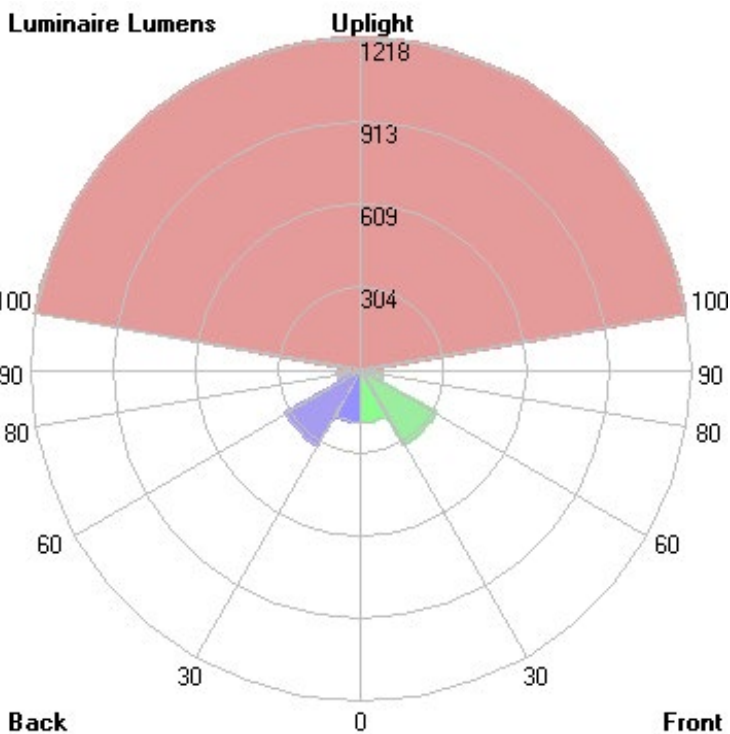
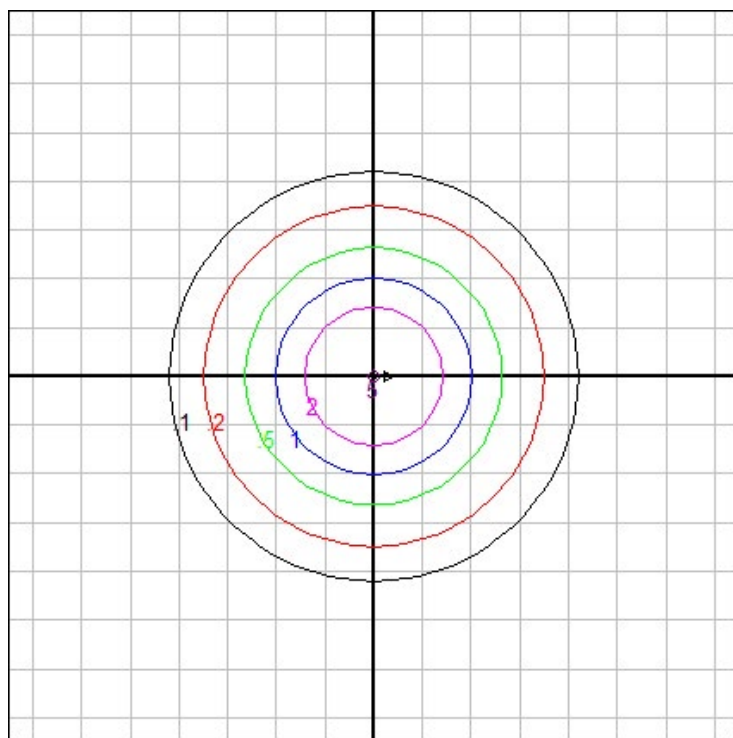


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2454
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	27
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)	0.44 ft (Diameter)
Luminous Height	0.13 ft

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL	(0-30)	193.5	N.A. 7.9
FM	(30-60)	317.4	N.A. 12.9
FH	(60-80)	85.5	N.A. 3.5
FVH	(80-90)	10.8	N.A. 0.4
BL	(0-30)	193.5	N.A. 7.9
BM	(30-60)	317.4	N.A. 12.9
BH	(60-80)	85.5	N.A. 3.5
BVH	(80-90)	10.8	N.A. 0.4
UL	(90-100)	22.1	N.A. 0.9
UH	(100-180)	1217.9	N.A. 49.6
Total		2454.4	N.A. 100.0
BUG Rating	B1-U5-G1		



Mounting Height: 10 ft

Grid Spacing: 3ft.

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