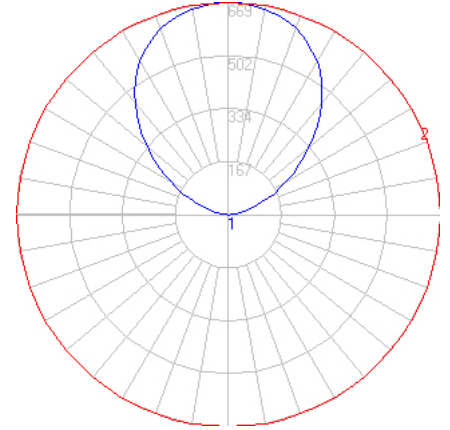


# BEGA

File: 50198K4\_BEGA\_IES.ies

TEST: BE\_50198K4  
 TEST LAB: BEGA  
 DATE: 05/02/2016  
 LUMINAIRE: 50 198K4  
 LAMP: 16.5W LED

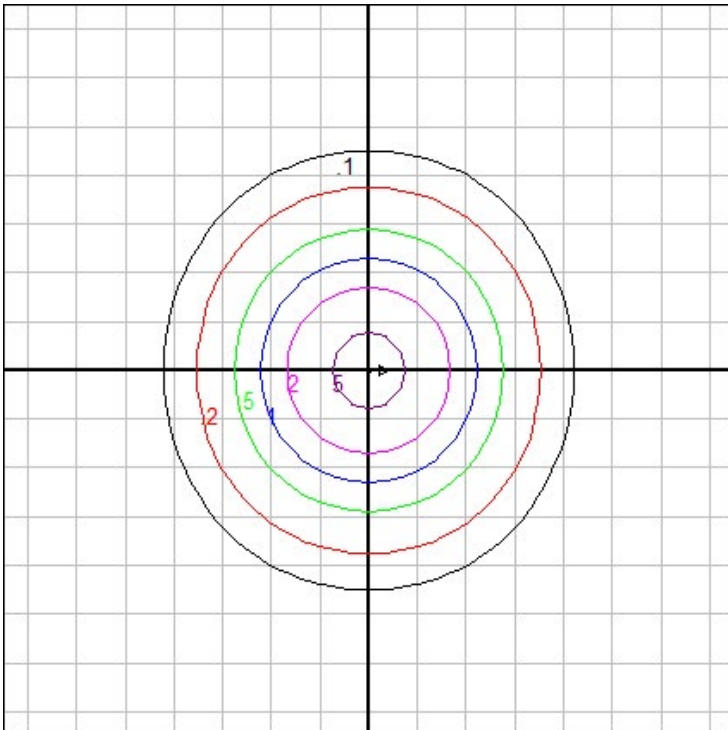


### Characteristics

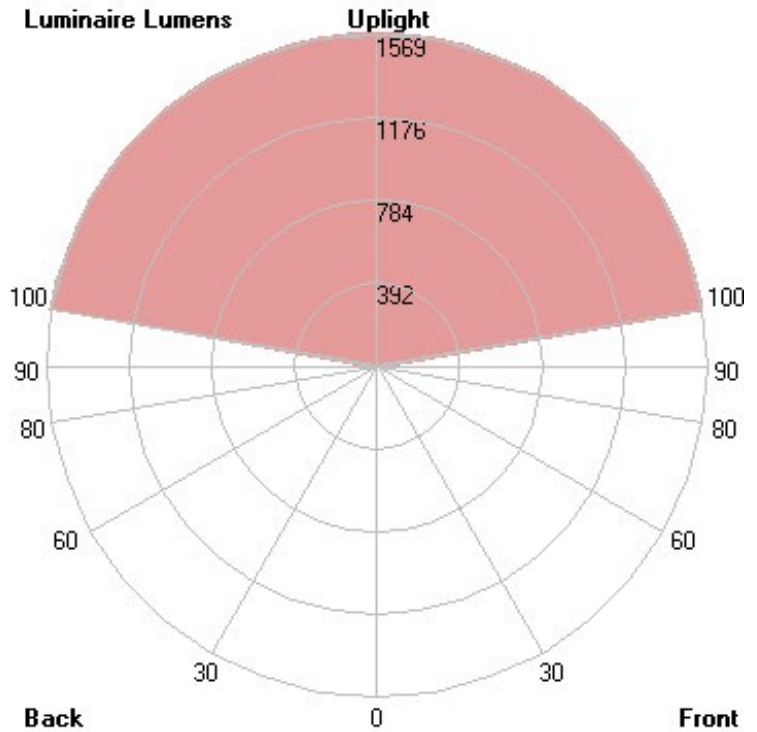
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1585
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	19.2
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.79 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)	0.4	N.A.	0.0
FVH	(80-90)	0.3	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)	0.4	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	14.8	N.A.	0.9
UH	(100-180)	1568.6	N.A.	99.0
Total		1584.8	N.A.	100.0
BUG Rating	B0-U5-G0			



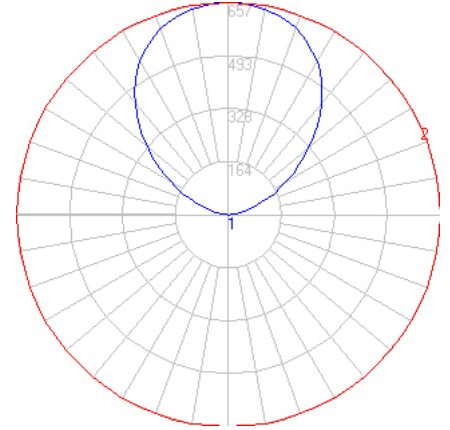
Ceiling Height: 10 ft      Grid Spacing: 5ft.



# BEGA

File: 50198K35\_BEGA\_IES.ies

TEST: BE\_50198K4  
 TEST LAB: BEGA  
 DATE: 05/02/2016  
 LUMINAIRE: 50 198K35  
 LAMP: 16.5W LED

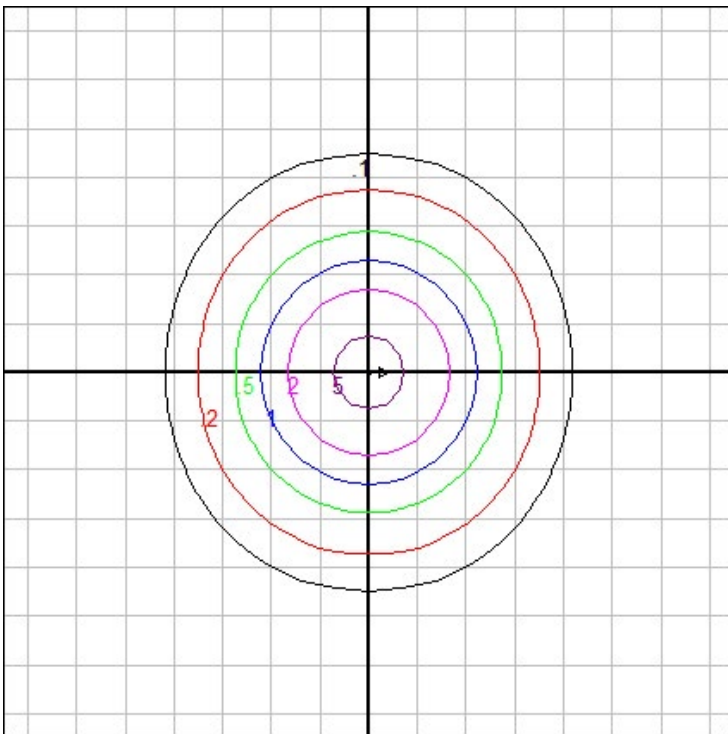


### Characteristics

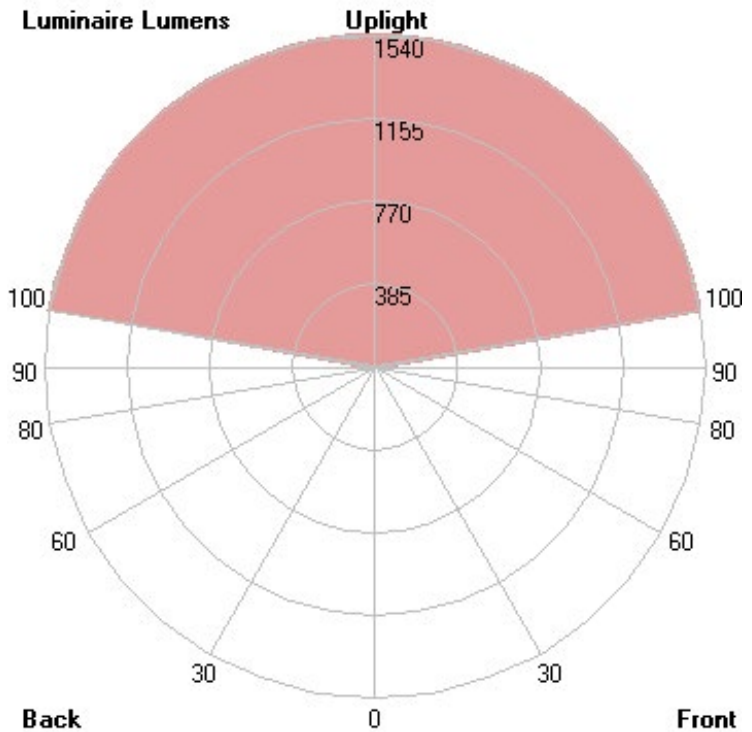
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1556
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	19.2
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.79 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)	0.4	N.A.	0.0
FVH	(80-90)	0.3	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)	0.4	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	14.5	N.A.	0.9
UH	(100-180)	1540.4	N.A.	99.0
Total		1556.3	N.A.	100.0
BUG Rating	B0-U5-G0			



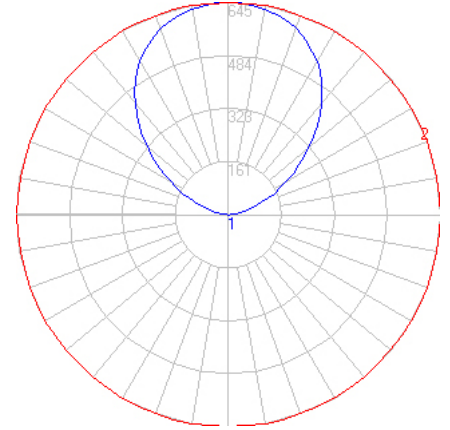
Ceiling Height: 10 ft      Grid Spacing: 5ft.



# BEGA

File: 50198K3\_BEGA\_IES.ies

TEST: BE\_50198K4  
 TEST LAB: BEGA  
 DATE: 05/02/2016  
 LUMINAIRE: 50 198K3  
 LAMP: 16.5W LED

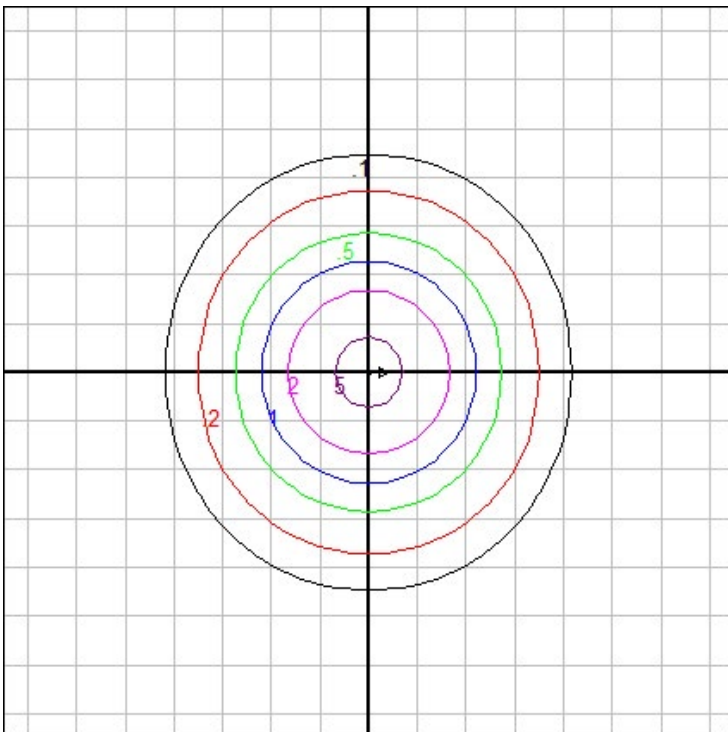


### Characteristics

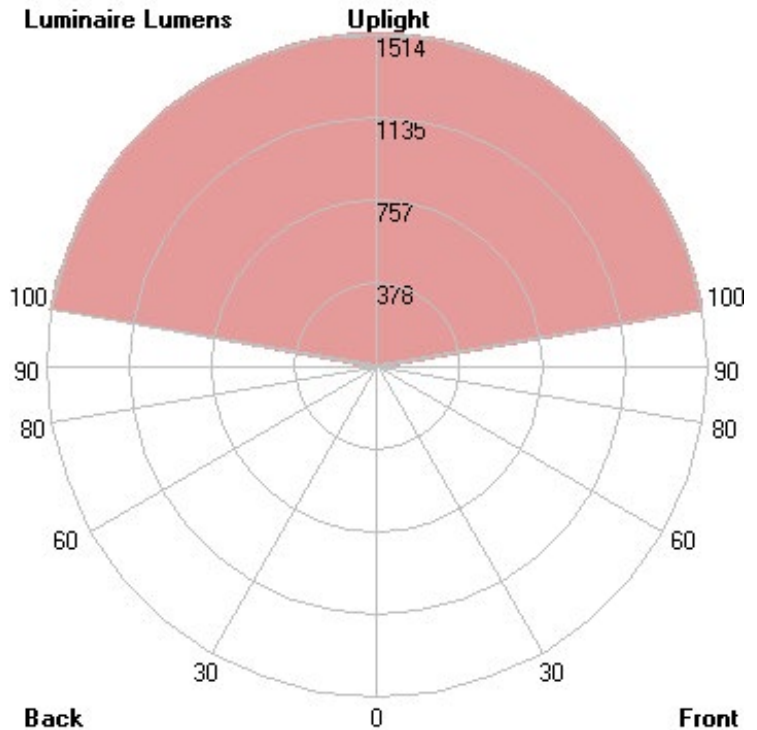
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	19.2
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.79 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)	0.4	N.A.	0.0
FVH	(80-90)	0.3	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)	0.4	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	14.3	N.A.	0.9
UH	(100-180)	1513.7	N.A.	99.0
Total		1529.4	N.A.	100.0
BUG Rating	B0-U5-G0			



Ceiling Height: 10 ft      Grid Spacing: 5ft.

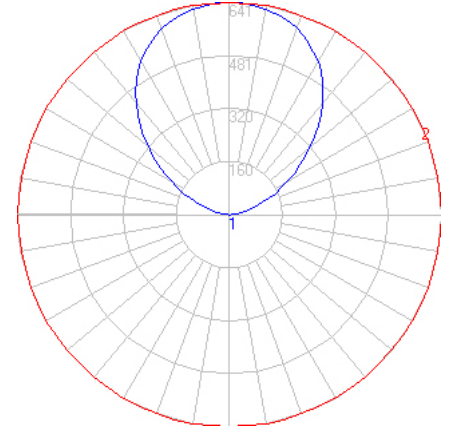


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 50198K27\_BEGA\_IES.ies

TEST: BE\_50198K4  
 TEST LAB: BEGA  
 DATE: 05/02/2016  
 LUMINAIRE: 50 198K27  
 LAMP: 16.5W LED

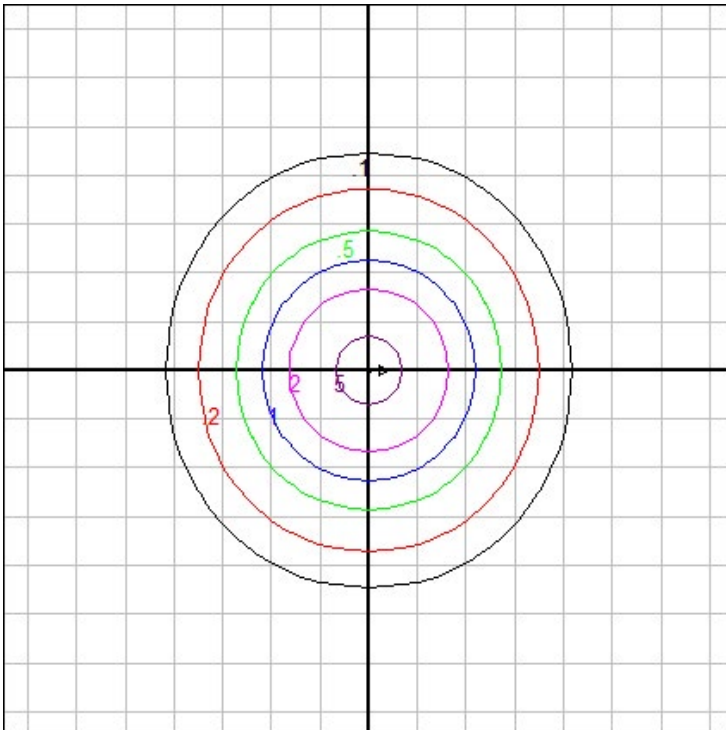


### Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	19.2
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)	0.33 ft
Luminous Width (90-270)	0.79 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)	0.4	N.A.	0.0
FVH	(80-90)	0.3	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)	0.4	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	14.2	N.A.	0.9
UH	(100-180)	1502.7	N.A.	99.0
Total		1518.3	N.A.	100.0
BUG Rating	B0-U5-G0			



Ceiling Height: 10 ft      Grid Spacing: 3ft.

