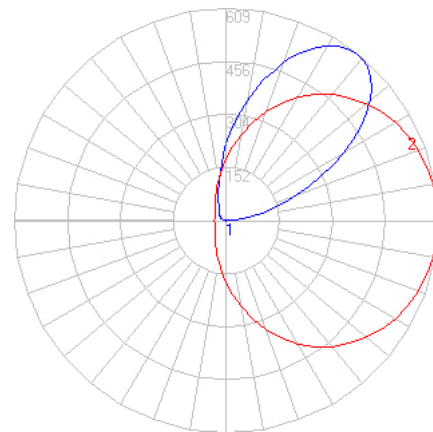


BEGA

File: 50181K4_BEGA_IES.ies

TEST: BE_50181K4
TEST LAB: BEGA
DATE: 01/12/2018
LUMINAIRE: 50 181K4
LAMP: 10.5W LED

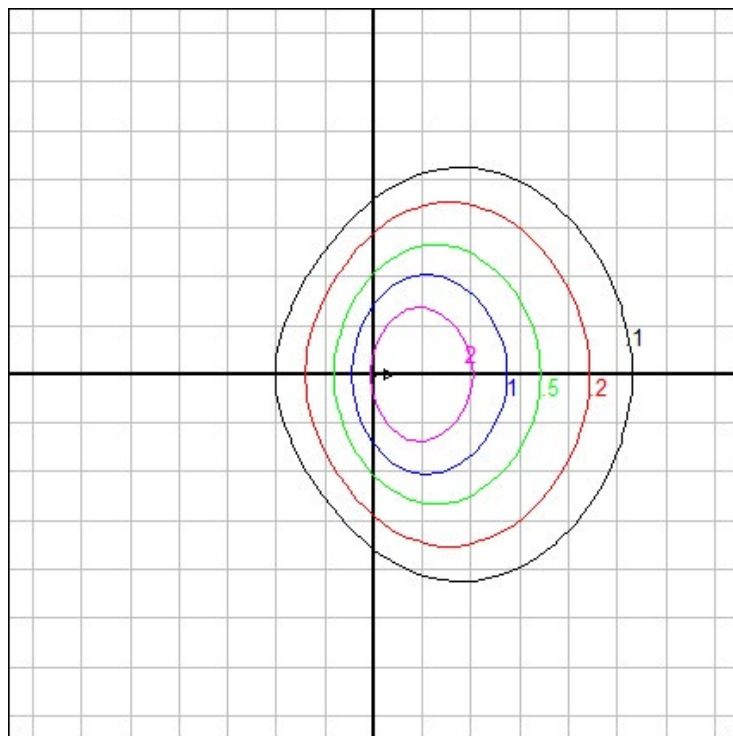


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	935
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	608.5 (0H, 142.5V)
Max. Cd. (<90 Vert.)	0 (180H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	.6 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

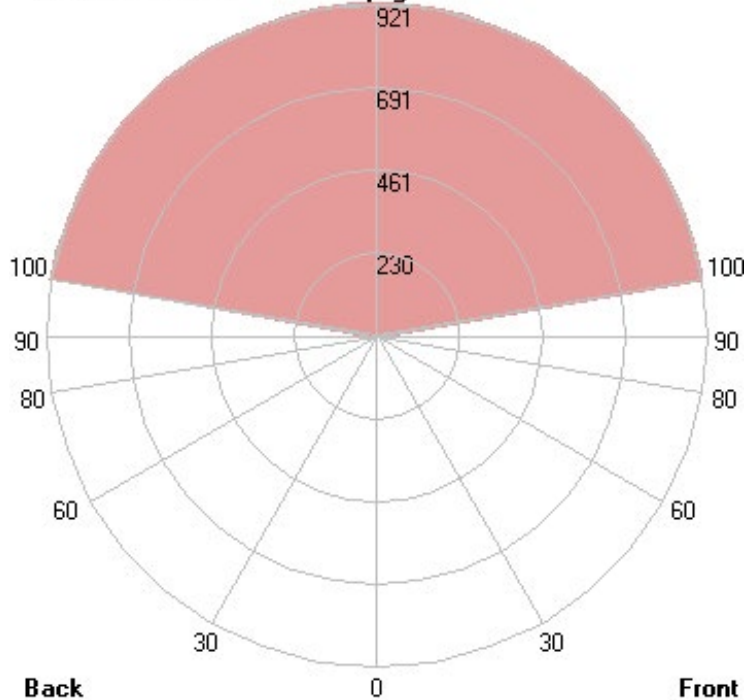
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	0.0	N.A.	0.0
FH	(60-80)	0.0	N.A.	0.0
FVH	(80-90)	< 0.05	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	0.0	N.A.	0.0
BH	(60-80)	0.0	N.A.	0.0
BVH	(80-90)	< 0.05	N.A.	0.0
UL	(90-100)	13.5	N.A.	1.4
UH	(100-180)	921.5	N.A.	98.6
Total		935.0	N.A.	100.0
BUG Rating	B0-U4-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.

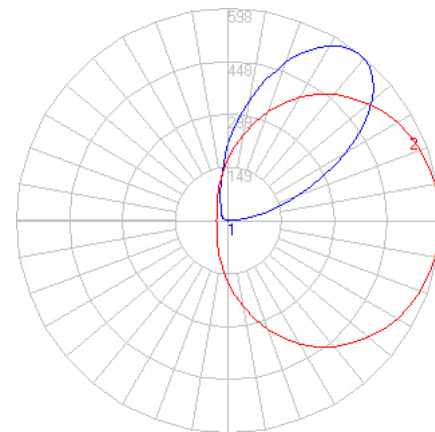
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BEGA

File: 50181K35_BEGA_IES.ies

TEST: BE_50181K4
TEST LAB: BEGA
DATE: 01/12/2018
LUMINAIRE: 50 181K35
LAMP: 10.5W LED

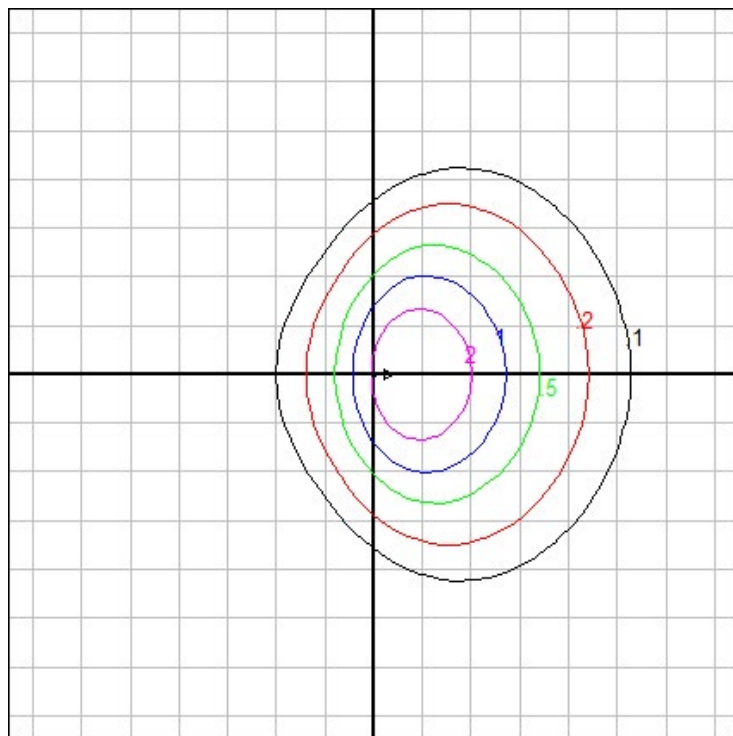


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	918
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	597.547 (0H, 142.5V)
Max. Cd. (<90 Vert.)	0 (180H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	.589 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

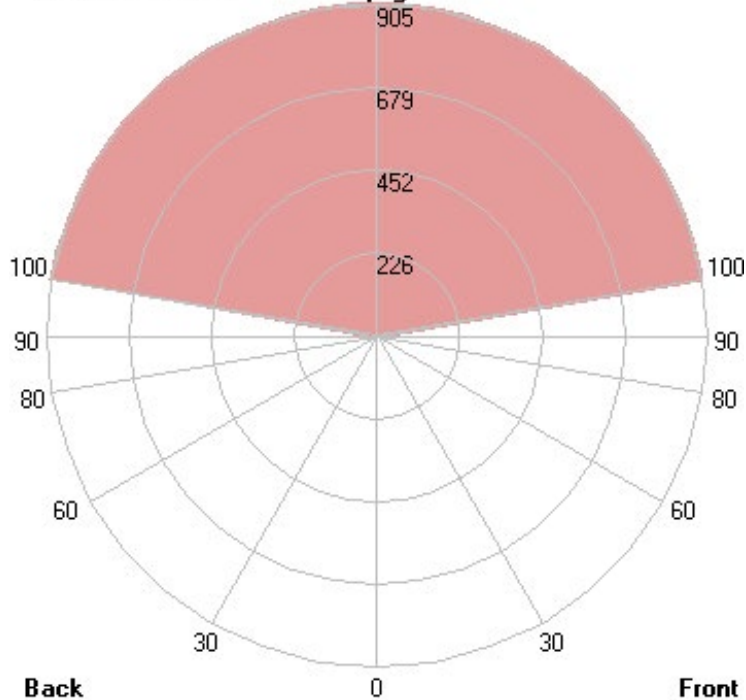
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	0.0	N.A.	0.0
FH	(60-80)	0.0	N.A.	0.0
FVH	(80-90)	< 0.05	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	0.0	N.A.	0.0
BH	(60-80)	0.0	N.A.	0.0
BVH	(80-90)	< 0.05	N.A.	0.0
UL	(90-100)	13.3	N.A.	1.4
UH	(100-180)	904.9	N.A.	98.6
Total		918.2	N.A.	100.0
BUG Rating	B0-U4-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.

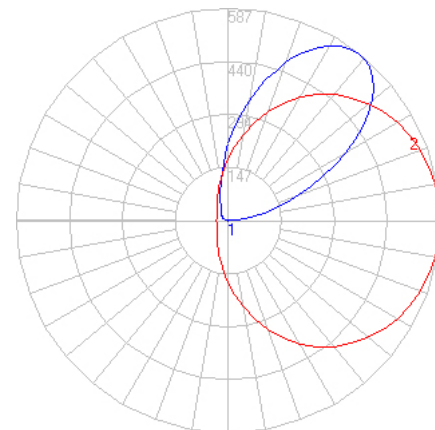
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BEGA

File: 50181K3_BEGA_IES.ies

TEST: BE_50181K4
TEST LAB: BEGA
DATE: 01/12/2018
LUMINAIRE: 50 181K3
LAMP: 10.5W LED

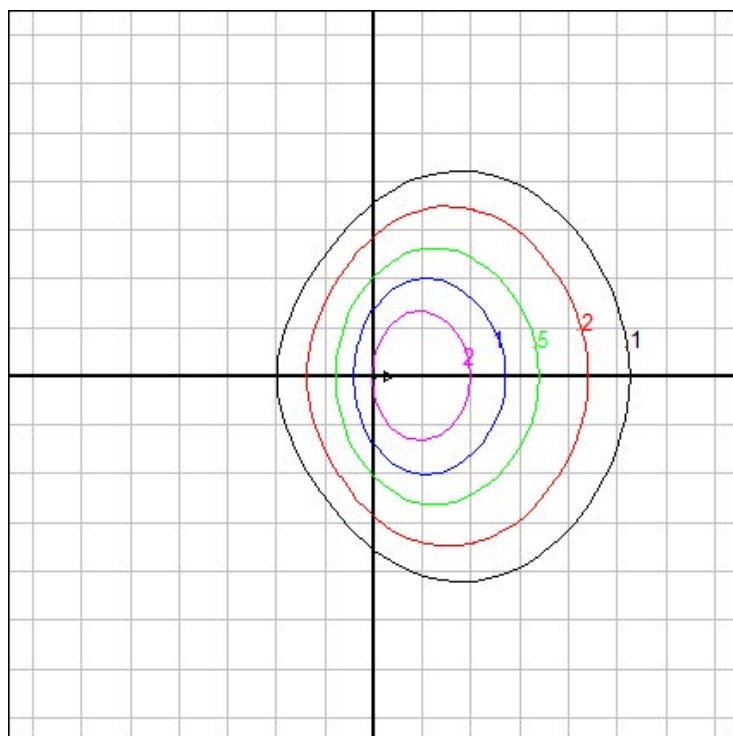


Characteristics

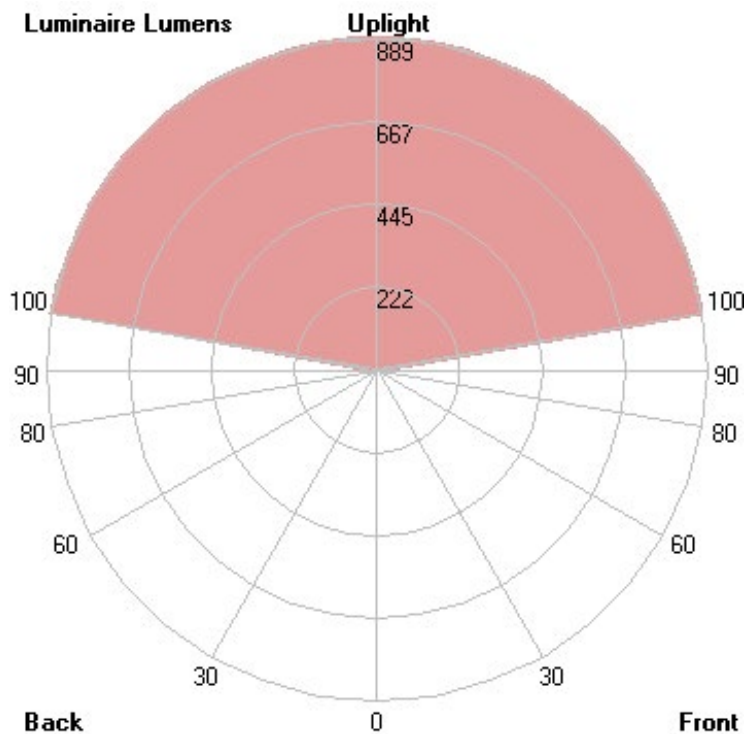
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	902
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	587.202 (0H, 142.5V)
Max. Cd. (<90 Vert.)	0 (180H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	.579 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	0.0	N.A.	0.0
FH	(60-80)	0.0	N.A.	0.0
FVH	(80-90)	< 0.05	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	0.0	N.A.	0.0
BH	(60-80)	0.0	N.A.	0.0
BVH	(80-90)	< 0.05	N.A.	0.0
UL	(90-100)	13.1	N.A.	1.4
UH	(100-180)	889.2	N.A.	98.6
Total		902.3	N.A.	100.0
BUG Rating	B0-U4-G0			



Luminaire Lumens



Ceiling Height: 10 ft

Grid Spacing: 5ft.

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

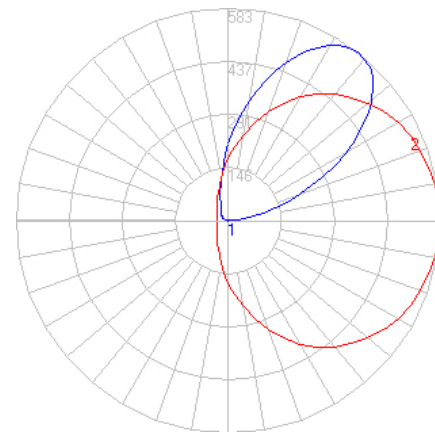
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BEGA

File: 50181K27_BEGA_IES.ies

TEST: BE_50181K4
TEST LAB: BEGA
DATE: 01/12/2018
LUMINAIRE: 50 181K27
LAMP: 10.5W LED

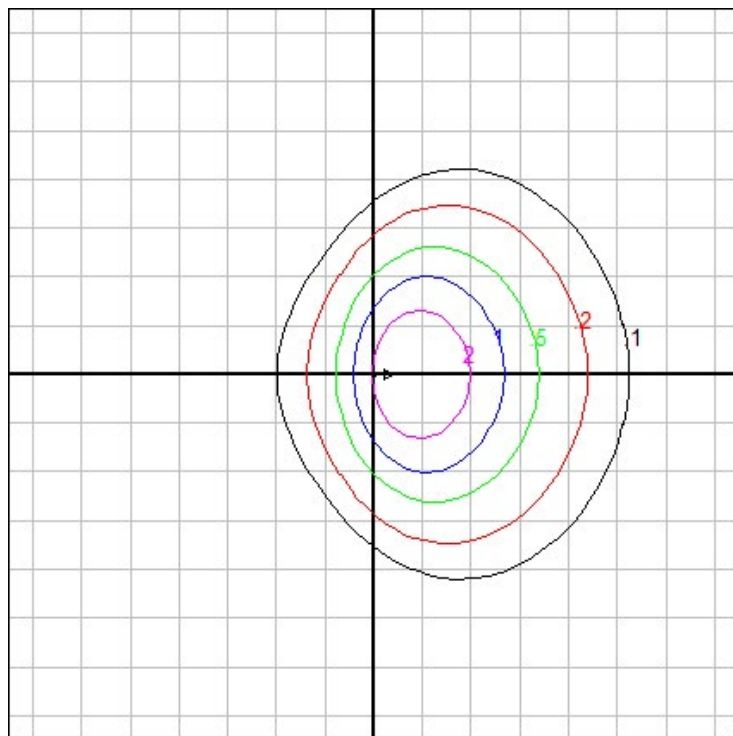


Characteristics

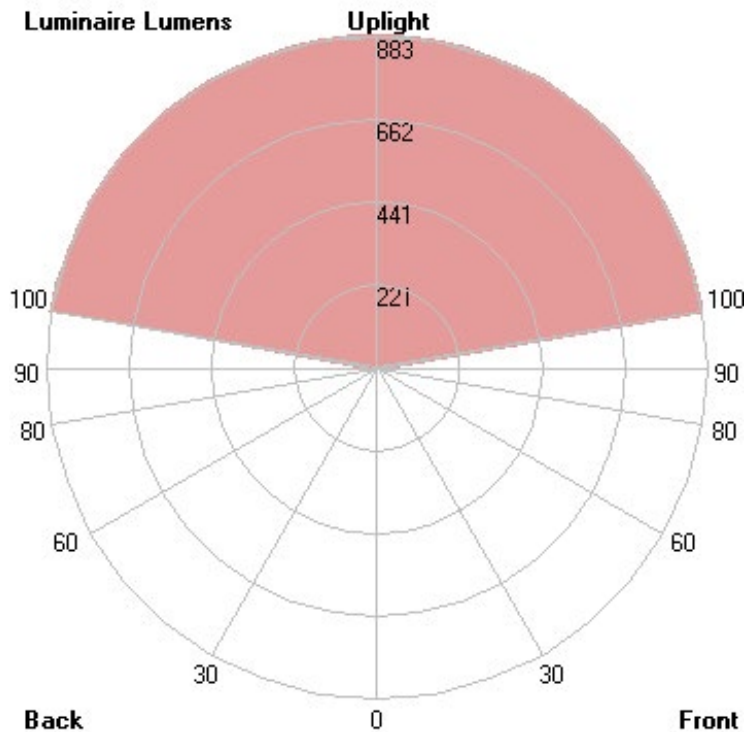
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	896
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	582.943 (0H, 142.5V)
Max. Cd. (<90 Vert.)	0 (180H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	.575 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	0.0	N.A.	0.0
FH	(60-80)	0.0	N.A.	0.0
FVH	(80-90)	< 0.05	N.A.	0.0
BL	(0-30)	0.0	N.A.	0.0
BM	(30-60)	0.0	N.A.	0.0
BH	(60-80)	0.0	N.A.	0.0
BVH	(80-90)	< 0.05	N.A.	0.0
UL	(90-100)	13.0	N.A.	1.4
UH	(100-180)	882.8	N.A.	98.5
Total		895.8	N.A.	100.0
BUG Rating	B0-U4-G0			



Luminaire Lumens



Ceiling Height: 10 ft

Grid Spacing: 5ft.

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