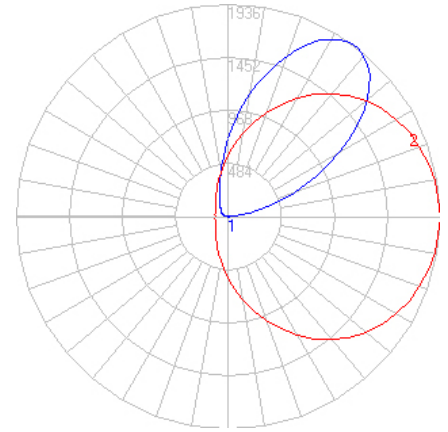


BEGA

File: 50201K4_BEGA_IES.ies

TEST: BE_50201K4
TEST LAB: BEGA
DATE: 05/02/2016
LUMINAIRE: 50 201K4
LAMP: 33.6W LED

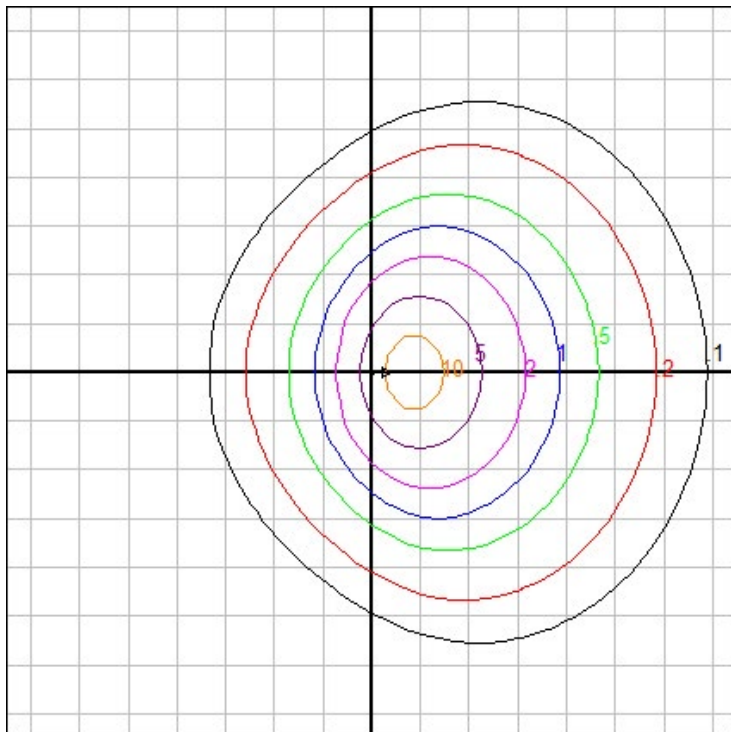


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2927
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	41
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1935.7 (0H, 142.5V)
Max. Cd. (<90 Vert.)	5.1 (5H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.3 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	5.1 (0.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

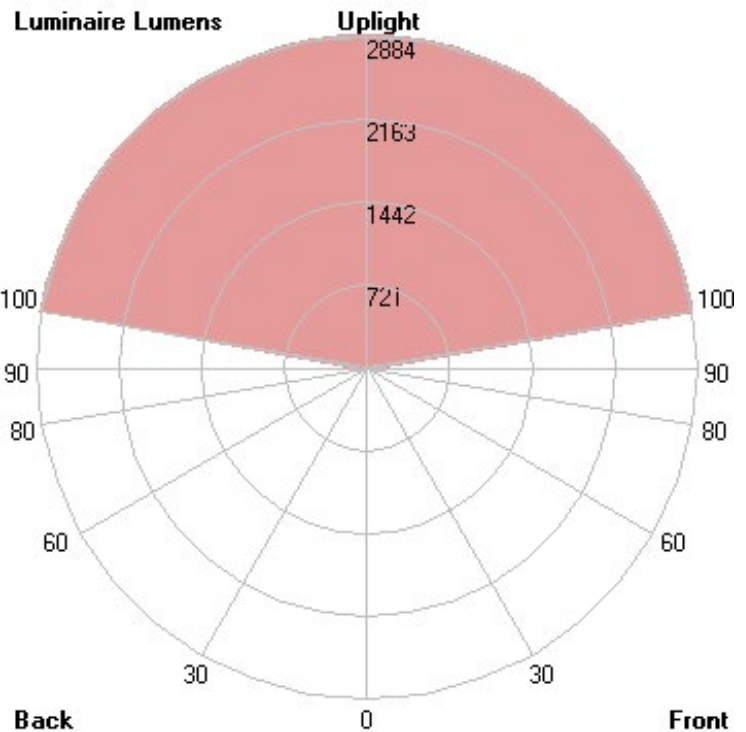
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	0.0	N.A.	0.0
FM	(30-60)	< 0.05	N.A.	0.0
FH	(60-80)	1.5	N.A.	0.1
FVH	(80-90)	1.5	N.A.	0.1
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)	38.9	N.A.	1.3
UH	(100-180)	2883.8	N.A.	98.5
Total		2926.4	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.

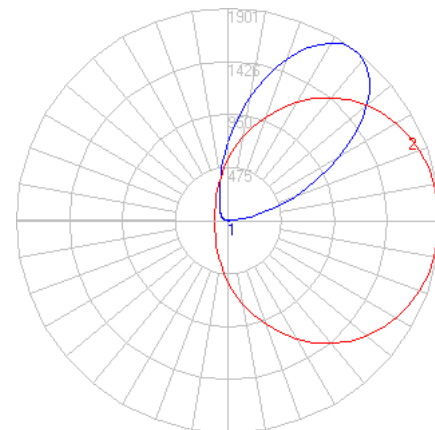
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BEGA

File: 50201K35_BEGA_IES.ies

TEST: BE_50201K4
TEST LAB: BEGA
DATE: 05/02/2016
LUMINAIRE: 50 201K35
LAMP: 33.6W LED

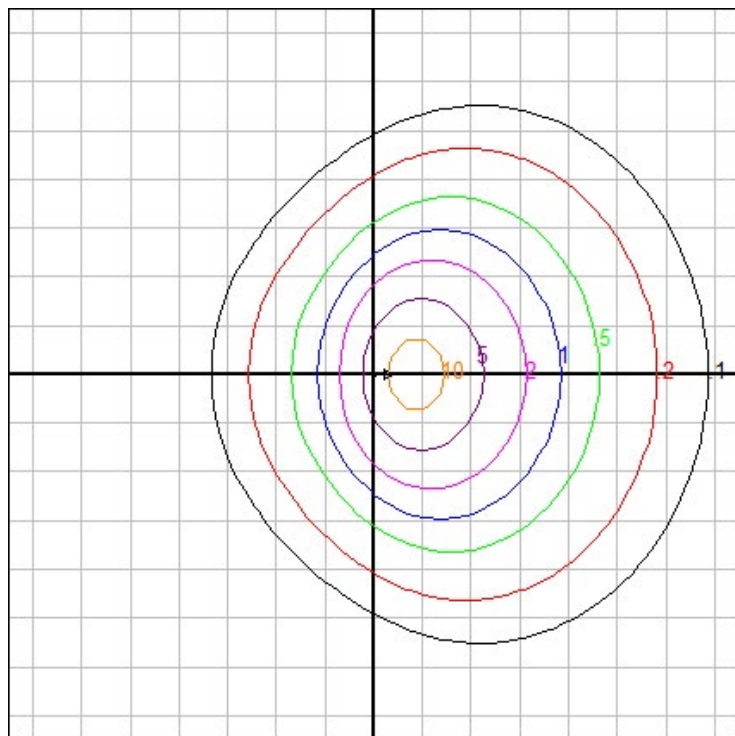


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
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)	0.62 ft
Luminous Width (90-270)	0.90 ft
Luminous Height	0.34 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)	1.5	N.A.	0.1
FVH	(80-90)	1.5	N.A.	0.1
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)	38.2	N.A.	1.3
UH	(100-180)	2831.9	N.A.	98.5
Total		2873.8	N.A.	100.0
BUG Rating	B0-U5-G0			

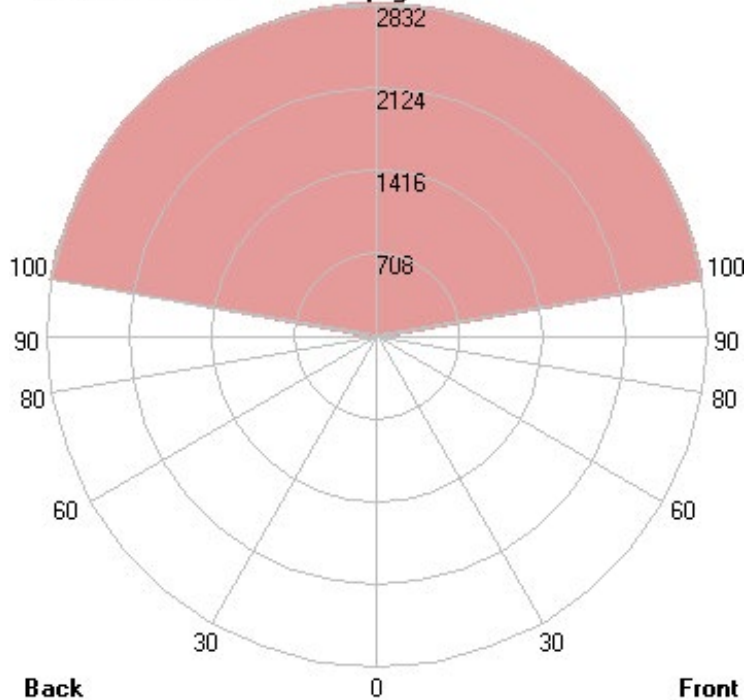


Ceiling Height: 10 ft

Grid Spacing: 5ft.

Luminaire Lumens

Uplight



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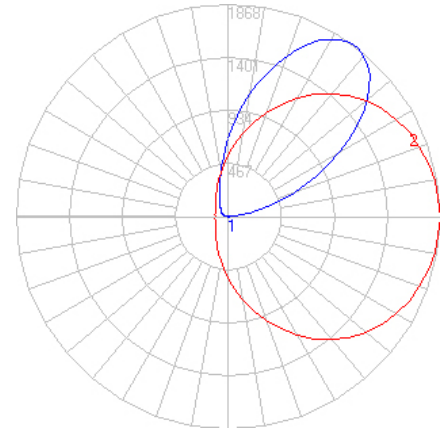
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BEGA

File: 50201K3_BEGA_IES.ies

TEST: BE_50201K4
TEST LAB: BEGA
DATE: 05/02/2016
LUMINAIRE: 50 201K3
LAMP: 33.6W LED

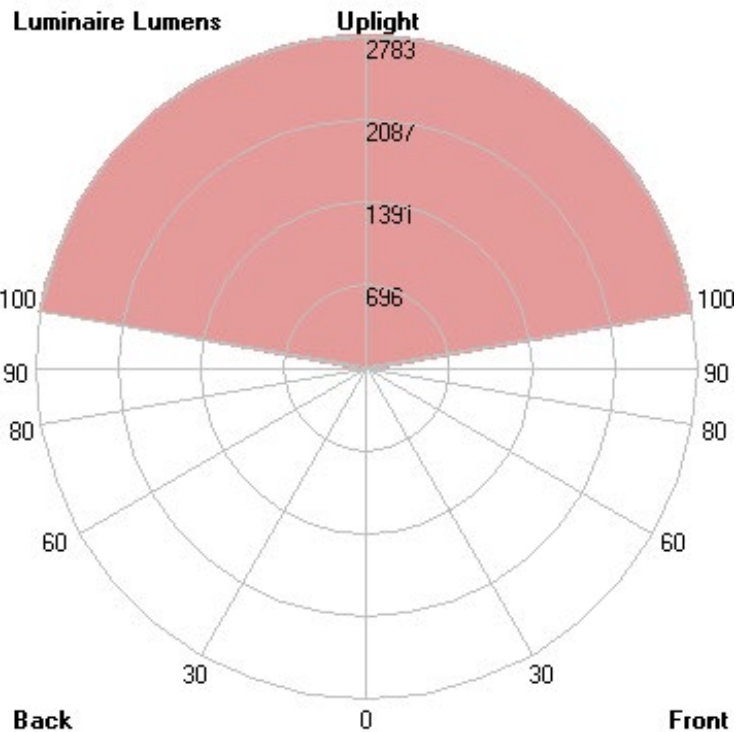
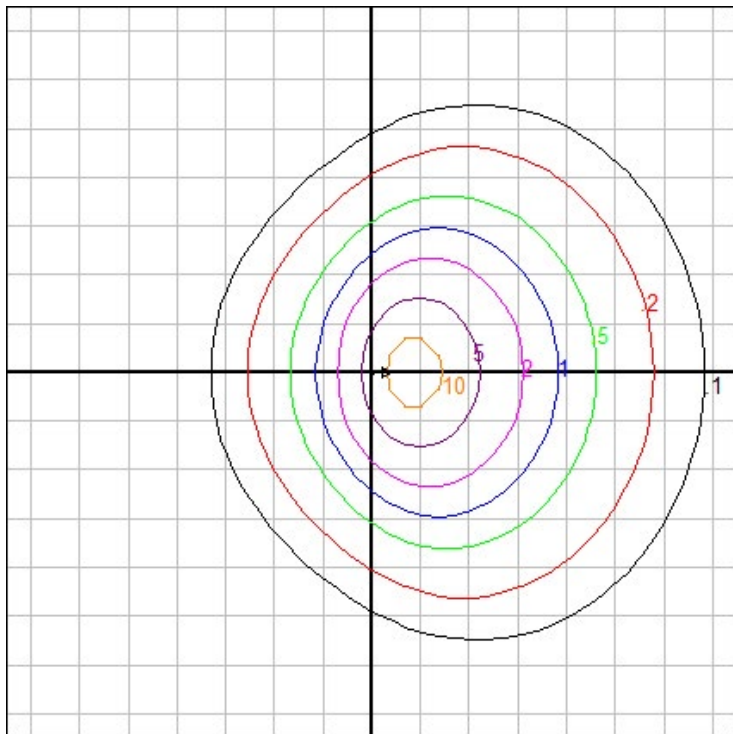


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2824
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	41
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1867.95 (0H, 142.5V)
Max. Cd. (<90 Vert.)	4.921 (5H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.149 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.921 (0.2%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)	< 0.05	N.A.	0.0
FH	(60-80)	1.5	N.A.	0.1
FVH	(80-90)	1.4	N.A.	0.1
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)	37.6	N.A.	1.3
UH	(100-180)	2782.9	N.A.	98.5
Total		2824.1	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.

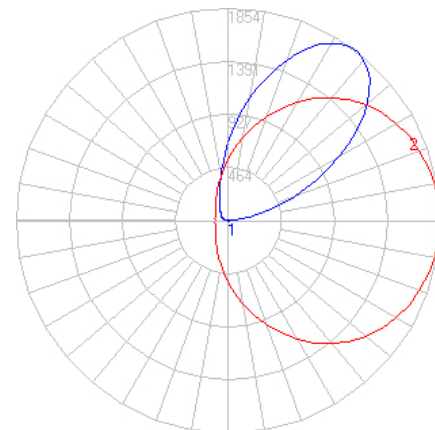
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BEGA

File: 50201K27_BEGA_IES.ies

TEST: BE_50201K4
TEST LAB: BEGA
DATE: 05/02/2016
LUMINAIRE: 50 201K27
LAMP: 33.6W LED

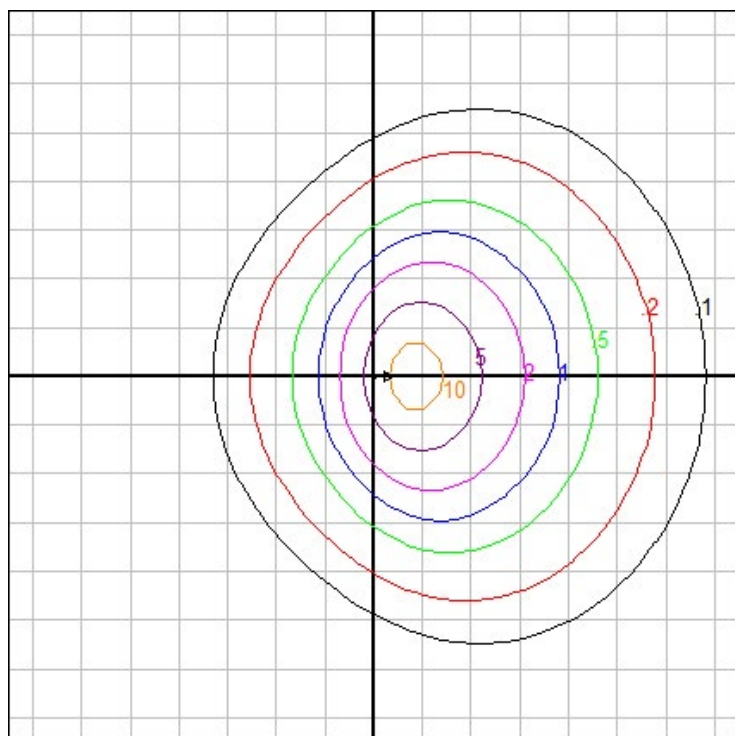


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2804
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	41
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1854.401 (0H, 142.5V)
Max. Cd. (<90 Vert.)	4.886 (5H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.119 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.886 (0.2%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)	< 0.05	N.A.	0.0
FH	(60-80)	1.5	N.A.	0.1
FVH	(80-90)	1.4	N.A.	0.1
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)	37.3	N.A.	1.3
UH	(100-180)	2762.7	N.A.	98.5
Total		2803.6	N.A.	100.0
BUG Rating	B0-U5-G0			

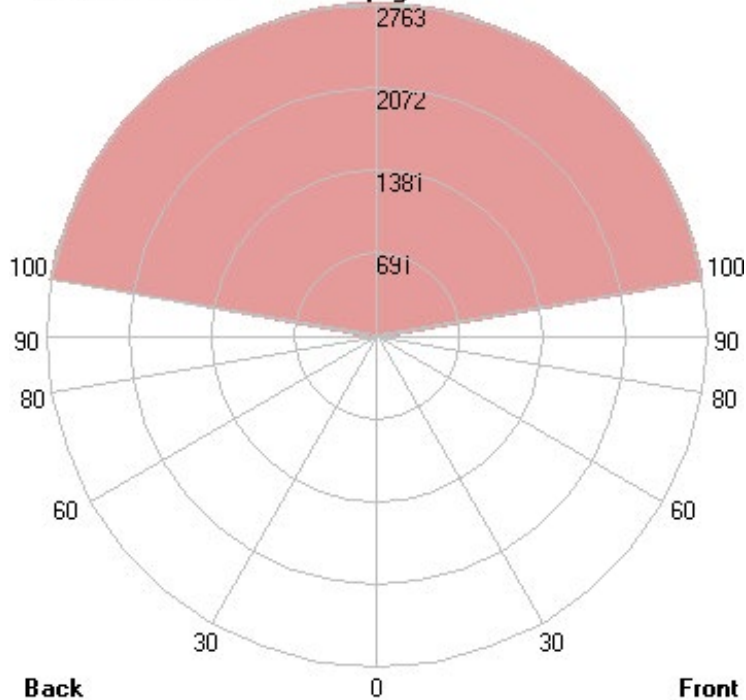


Ceiling Height: 10 ft

Grid Spacing: 3ft.

Luminaire Lumens

Uplight



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