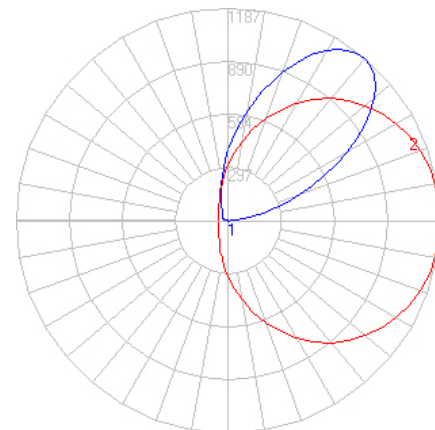
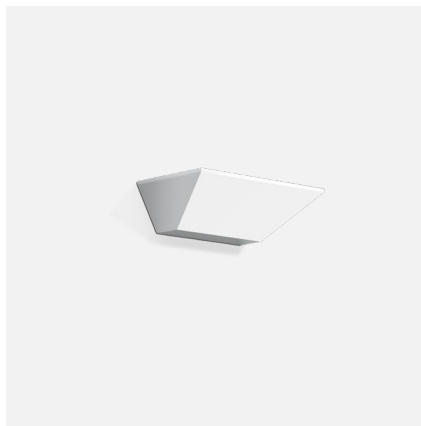


BEGA

File: 50200K4_BEGA_IES.ies

TEST: BE_50200K4
TEST LAB: BEGA
DATE: 07/06/2016
LUMINAIRE: 50 200K4
LAMP: 16.5W LED

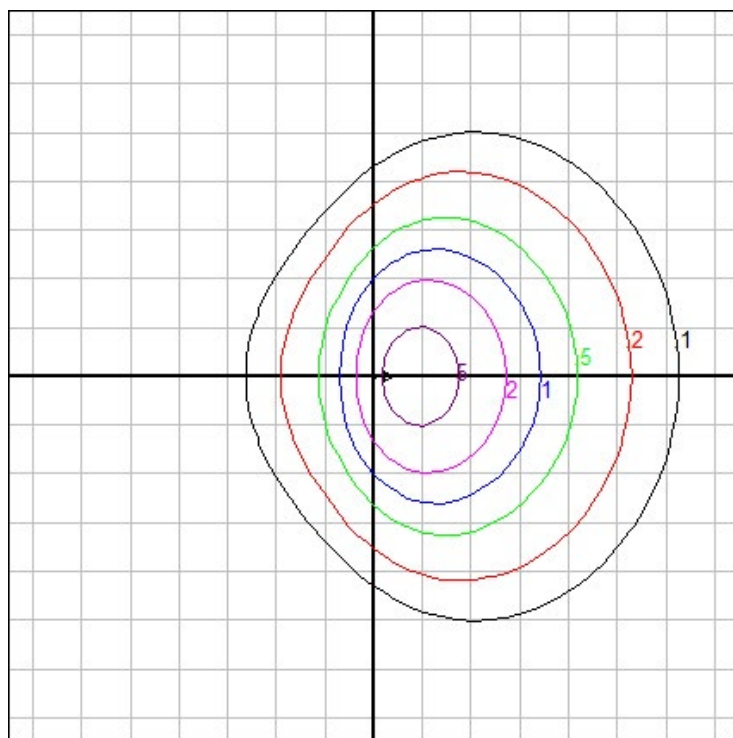


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1784
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	19.2
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1187 (0H, 140V)
Max. Cd. (<90 Vert.)	4.8 (0H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.7 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.8 (0.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

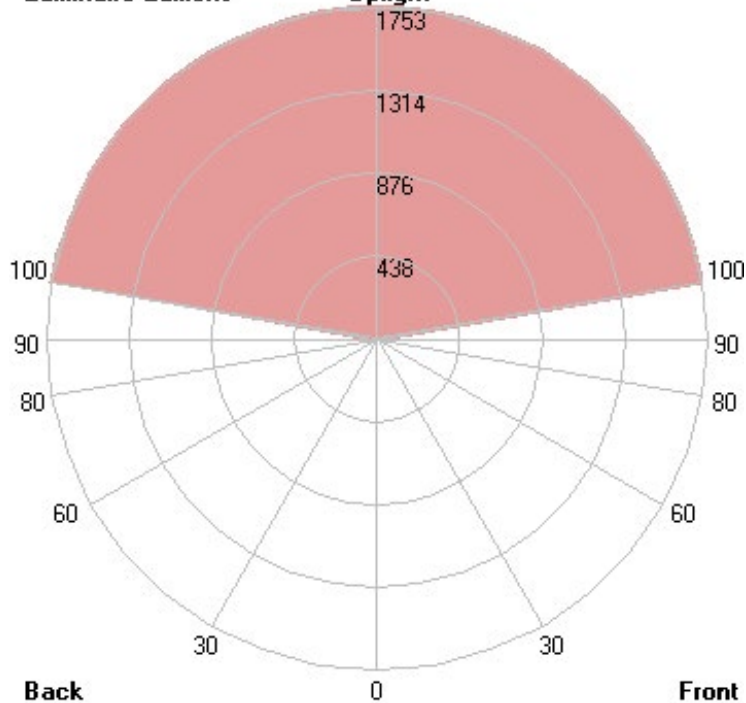
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	< 0.05	N.A.	0.0
FM	(30-60)	0.1	N.A.	0.0
FH	(60-80)	1.9	N.A.	0.1
FVH	(80-90)	1.4	N.A.	0.1
BL	(0-30)	< 0.05	N.A.	0.0
BM	(30-60)	0.1	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)	27.3	N.A.	1.5
UH	(100-180)	1752.6	N.A.	98.2
Total		1784.1	N.A.	100.0
BUG Rating	B0-U5-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.

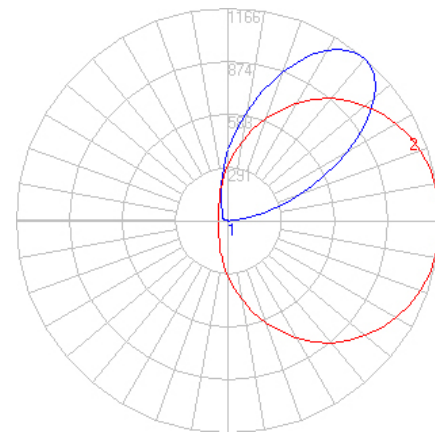
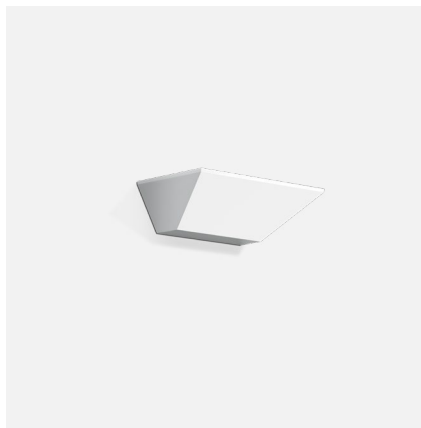
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

07/22/20

BEGA

File: 50200K35_BEGA_IES.ies

TEST: BE_50200K4
TEST LAB: BEGA
DATE: 07/06/2016
LUMINAIRE: 50 200K35
LAMP: 16.5W LED

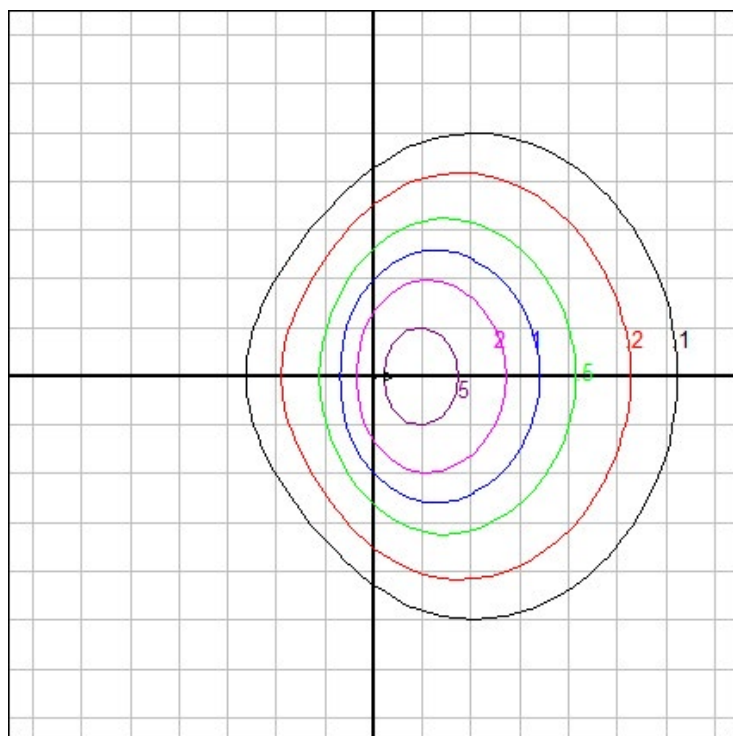


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1752
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	19.2
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1165.634 (0H, 140V)
Max. Cd. (<90 Vert.)	4.714 (0H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.615 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.714 (0.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

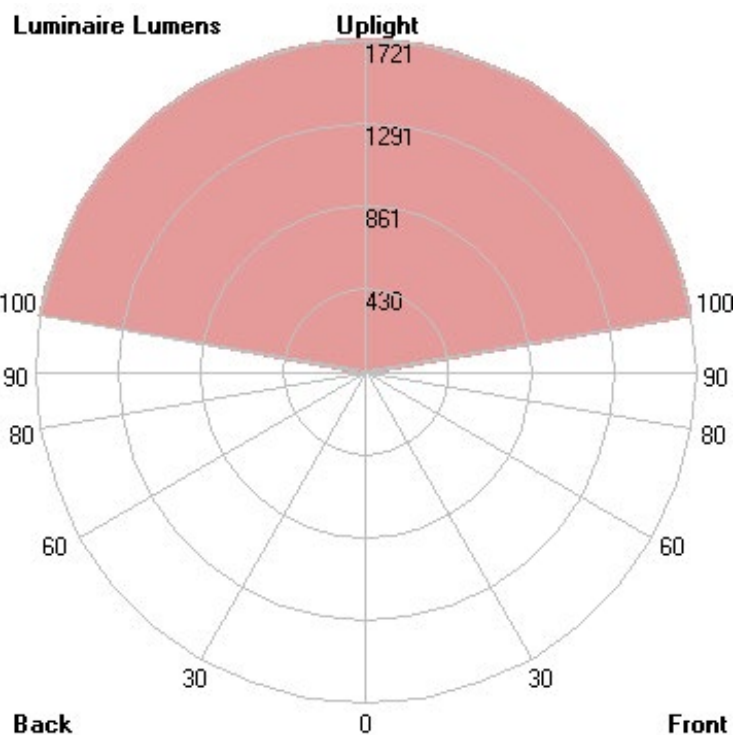
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	< 0.05	N.A.	0.0
FM	(30-60)	0.1	N.A.	0.0
FH	(60-80)	1.8	N.A.	0.1
FVH	(80-90)	1.4	N.A.	0.1
BL	(0-30)	< 0.05	N.A.	0.0
BM	(30-60)	0.1	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)	26.9	N.A.	1.5
UH	(100-180)	1721.0	N.A.	98.2
Total		1752.0	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.

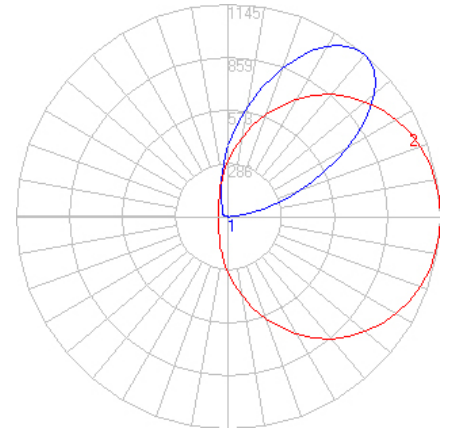
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

07/22/20

BEGA

File: 50200K3_BEGA_IES.ies

TEST: BE_50200K4
TEST LAB: BEGA
DATE: 07/06/2016
LUMINAIRE: 50 200K3
LAMP: 16.5W LED

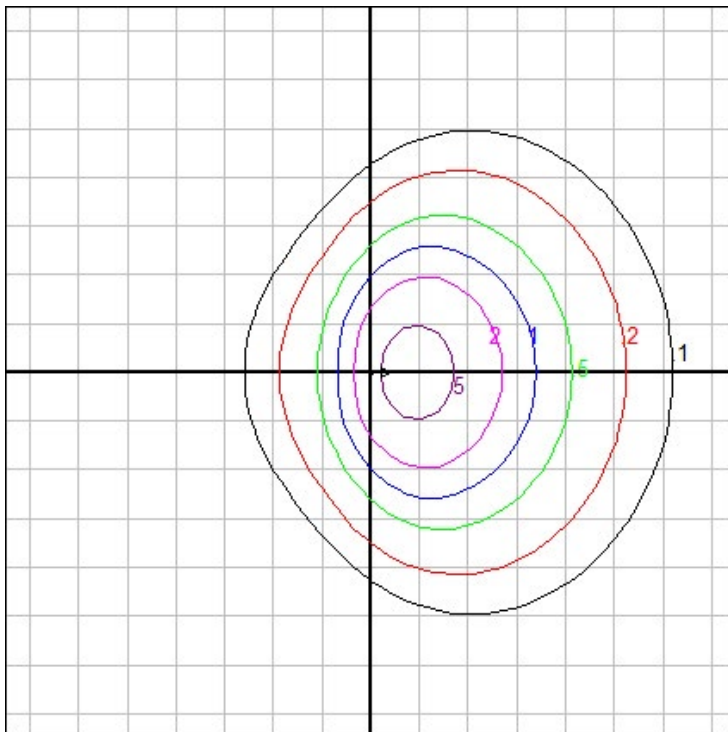


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1722
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	19.2
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1145.455 (0H, 140V)
Max. Cd. (<90 Vert.)	4.632 (0H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.535 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.632 (0.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

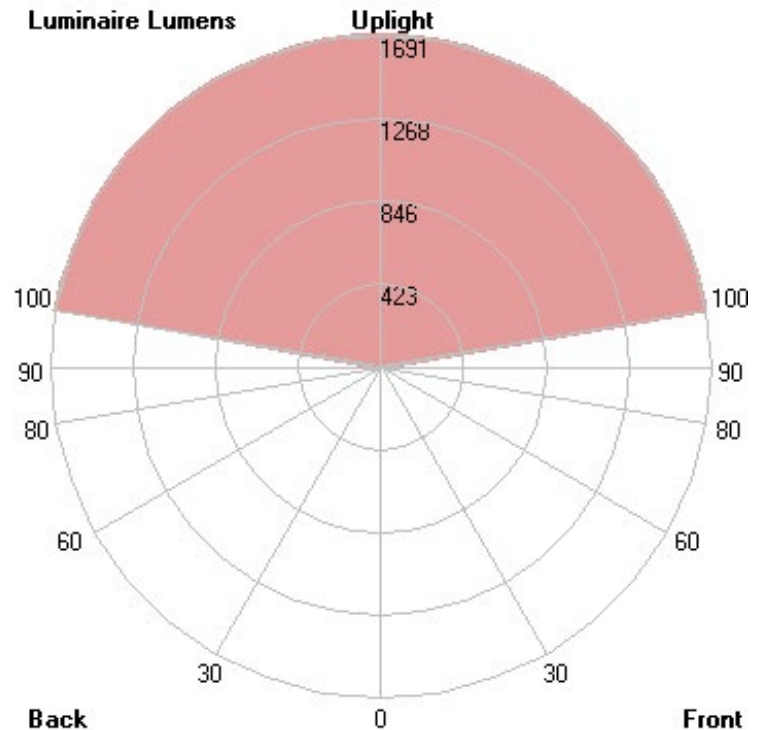
LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	< 0.05	N.A.	0.0
FM	(30-60)	0.1	N.A.	0.0
FH	(60-80)	1.8	N.A.	0.1
FVH	(80-90)	1.4	N.A.	0.1
BL	(0-30)	< 0.05	N.A.	0.0
BM	(30-60)	0.1	N.A.	0.0
BH	(60-80)	0.3	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	26.4	N.A.	1.5
UH	(100-180)	1691.2	N.A.	98.2
Total		1721.6	N.A.	100.0
BUG Rating	B0-U5-G0			



Ceiling Height: 10 ft

Grid Spacing: 5ft.

Luminaire Lumens



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

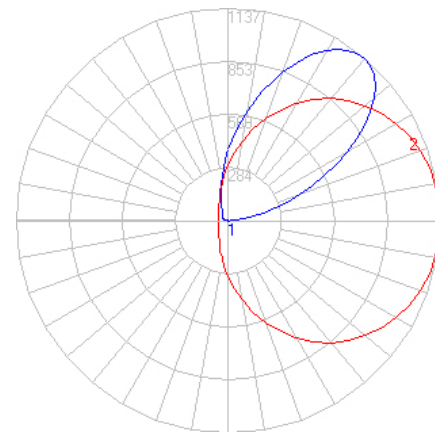
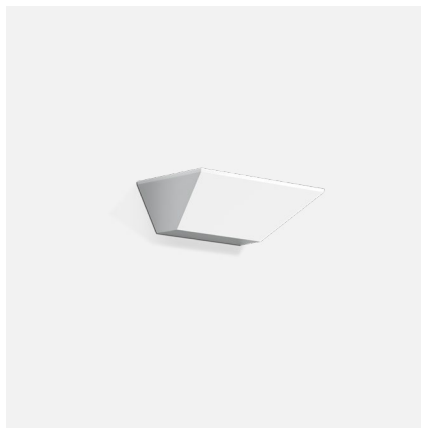
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

07/22/20

BEGA

File: 50200K27_BEGA_IES.ies

TEST: BE_50200K4
TEST LAB: BEGA
DATE: 07/06/2016
LUMINAIRE: 50 200K27
LAMP: 16.5W LED

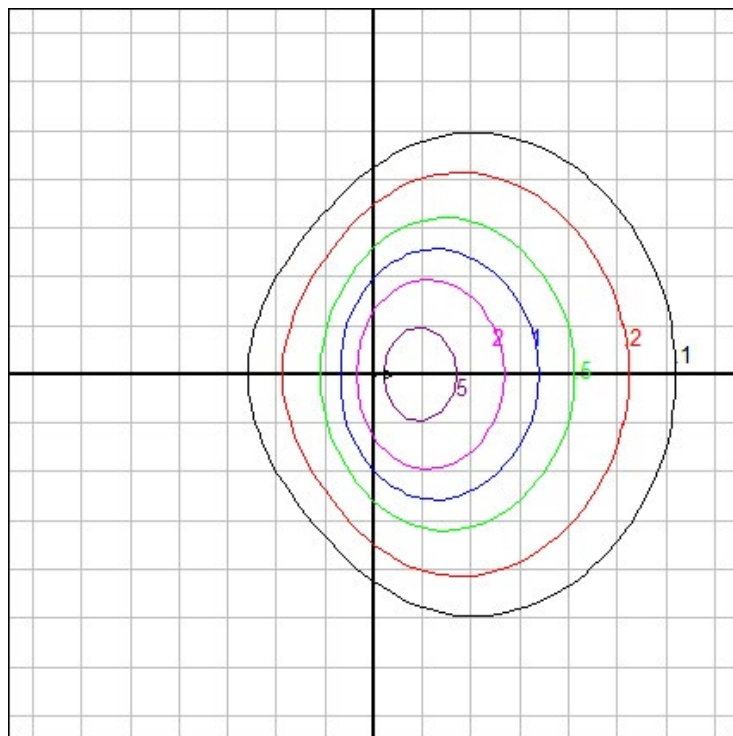


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1709
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	19.2
Ballast Factor	1.00
Upward Waste Light Ratio	1.00
Max. Cd.	1137.146 (0H, 140V)
Max. Cd. (<90 Vert.)	4.598 (0H, 80V)
Max. Cd. (At 90 Deg. Vert.)	4.503 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.598 (0.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

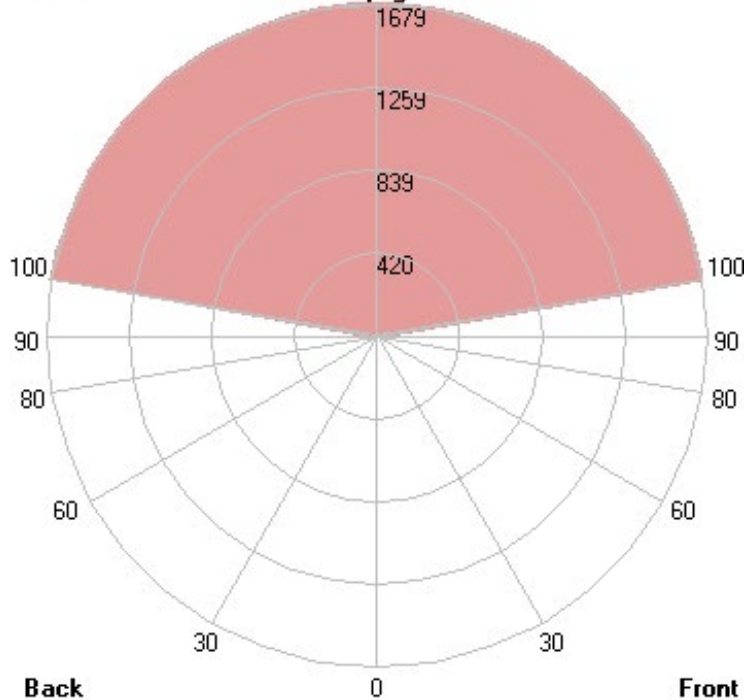
Lum. Classification System (LCS)

LCS	Zone	Lumens	%Lamp	%Lum
FL	(0-30)	< 0.05	N.A.	0.0
FM	(30-60)	0.1	N.A.	0.0
FH	(60-80)	1.8	N.A.	0.1
FVH	(80-90)	1.3	N.A.	0.1
BL	(0-30)	< 0.05	N.A.	0.0
BM	(30-60)	0.1	N.A.	0.0
BH	(60-80)	0.3	N.A.	0.0
BVH	(80-90)	0.3	N.A.	0.0
UL	(90-100)	26.2	N.A.	1.5
UH	(100-180)	1679.0	N.A.	98.2
Total		1709.1	N.A.	100.0
BUG Rating	B0-U5-G0			



Luminaire Lumens

Uplight



Ceiling Height: 10 ft

Grid Spacing: 3ft.

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

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

07/22/20