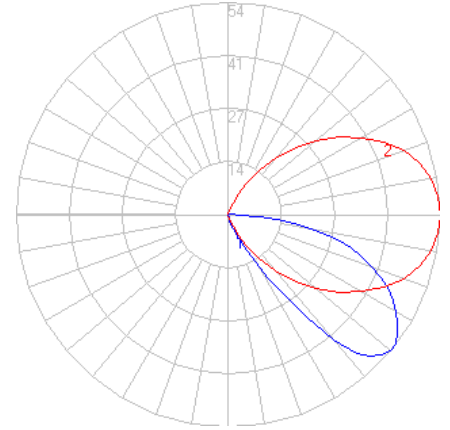
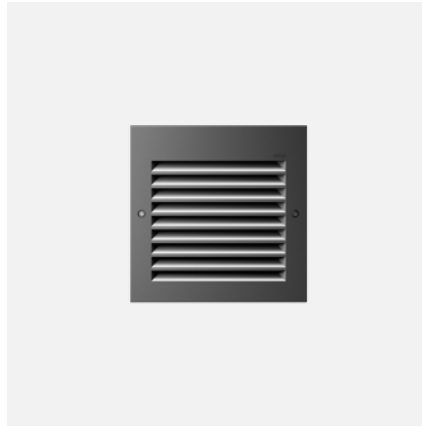


BEGA

File: 24232K4_BEGA_IES.ies

TEST: BE_24232K4
TEST LAB: BEGA
DATE: 4/7/2017
LUMINAIRE: 24 232K4
LAMP: 2.8W LED



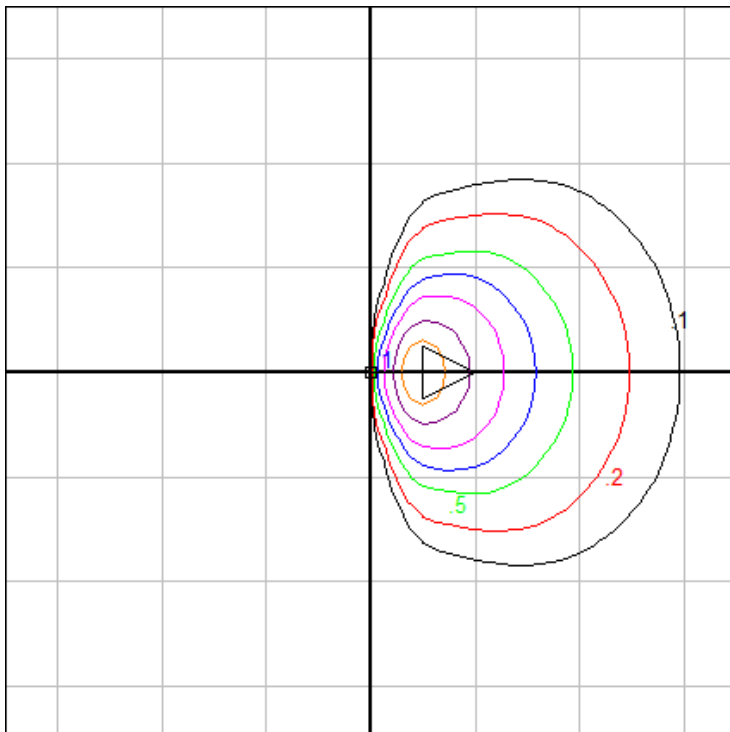
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	49
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	54.4 (0H, 52.5V)
Max. Cd. (<90 Vert.)	54.4 (0H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	3.5 (7.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	22.5 (45.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

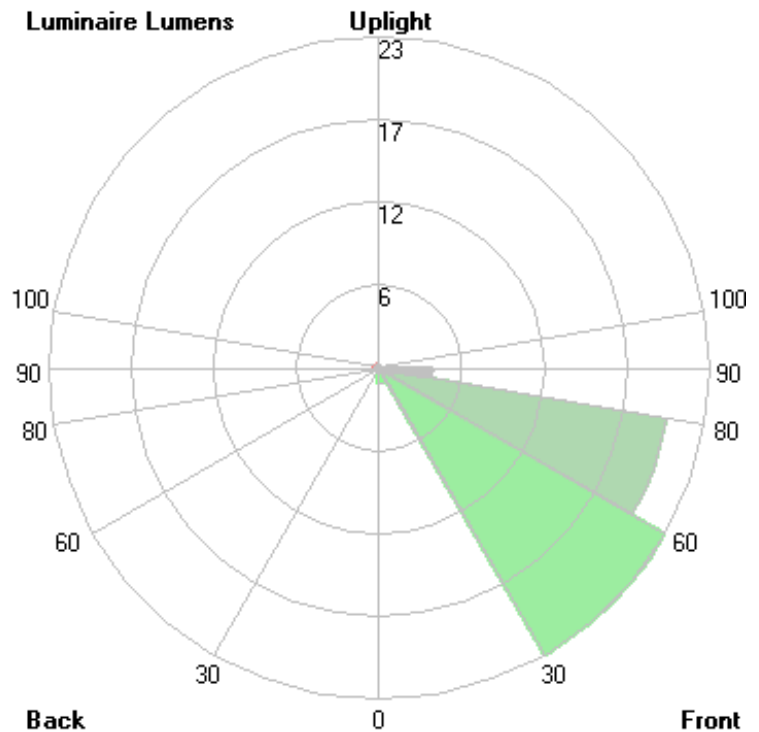
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1.1	N.A.	2.2
FM (30-60)	23.1	N.A.	47.3
FH (60-80)	20.4	N.A.	41.8
FVH (80-90)	3.8	N.A.	7.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.3	N.A.	0.7
UH (100-180)	0.2	N.A.	0.4
Total	48.9	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1 ft.

Grid Spacing: 2 ft.



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

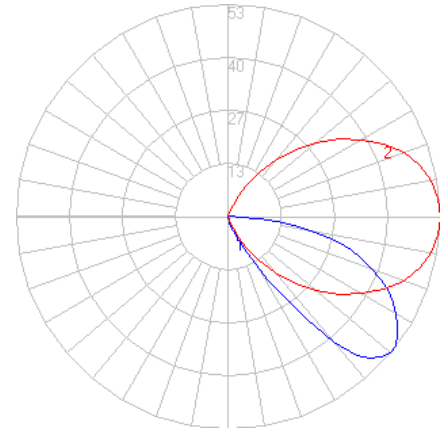
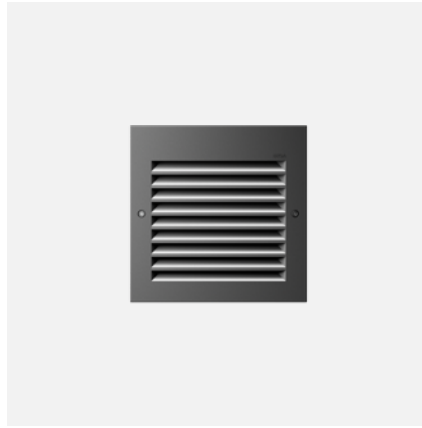
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/17/2020

BEGA

File: 24232K35_BEGA_IES.ies

TEST: BE_24232K4
TEST LAB: BEGA
DATE: 4/7/2017
LUMINAIRE: 24 232K35
LAMP: 2.8W LED



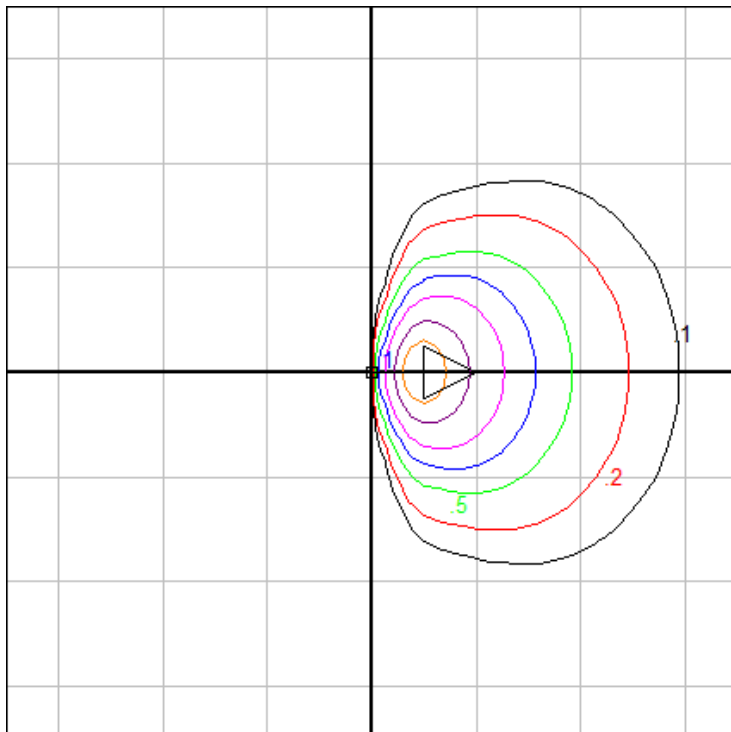
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	48
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	53.312 (0H, 52.5V)
Max. Cd. (<90 Vert.)	53.312 (0H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	3.43 (7.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	22.05 (45.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

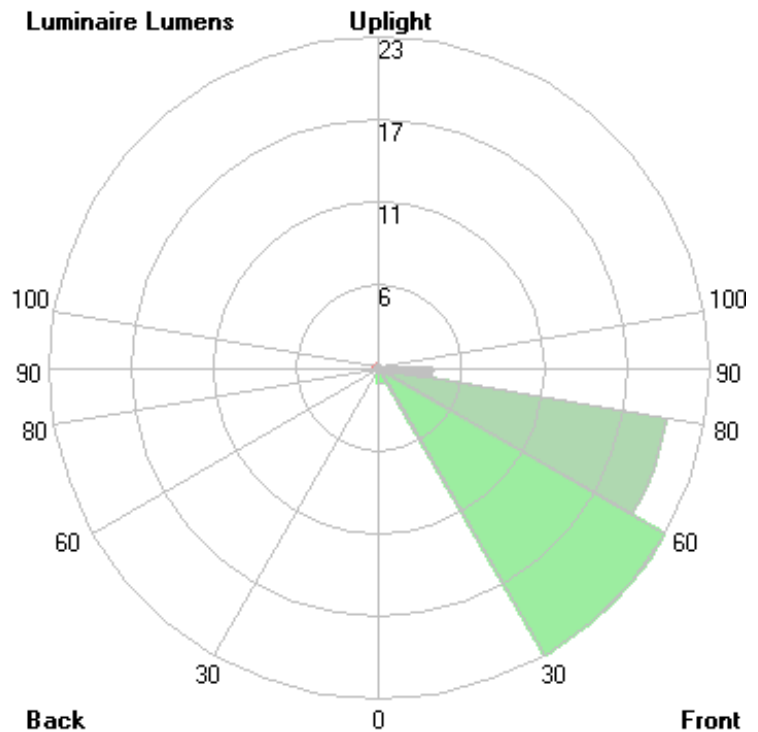
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1.1	N.A.	2.2
FM (30-60)	22.7	N.A.	47.2
FH (60-80)	20.0	N.A.	41.7
FVH (80-90)	3.7	N.A.	7.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.3	N.A.	0.7
UH (100-180)	0.2	N.A.	0.4
Total	48.0	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1 ft.

Grid Spacing: 2 ft.



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

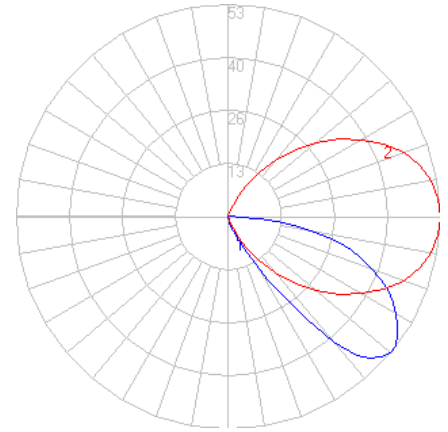
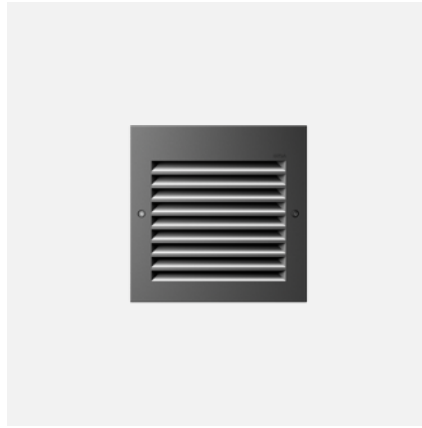
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/17/2020

BEGA

File: 24232K3_BEGA_IES.ies

TEST: BE_24232K4
TEST LAB: BEGA
DATE: 4/7/2017
LUMINAIRE: 24 232K3
LAMP: 2.8W LED



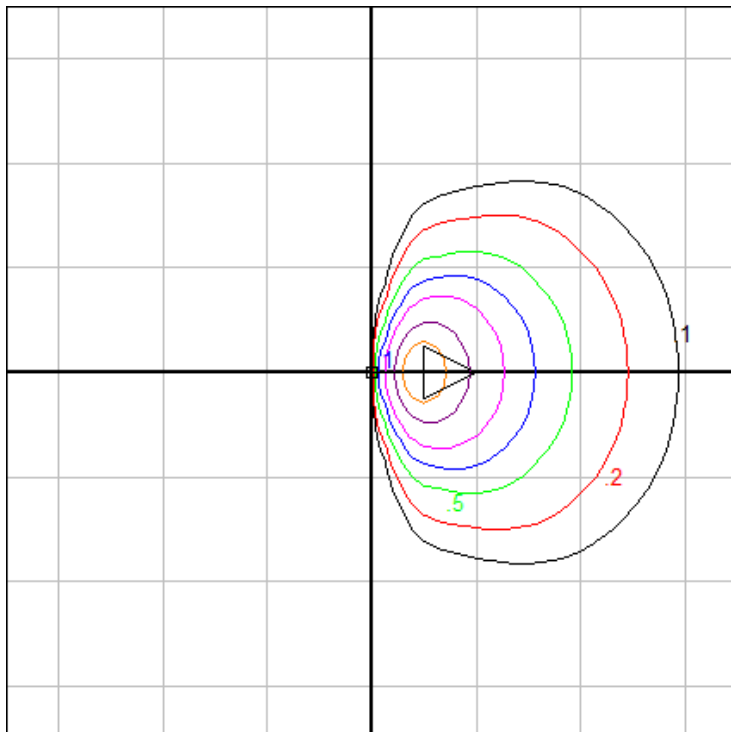
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	47
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	9
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	52.768 (0H, 52.5V)
Max. Cd. (<90 Vert.)	52.768 (0H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	3.395 (7.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	21.825 (46.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

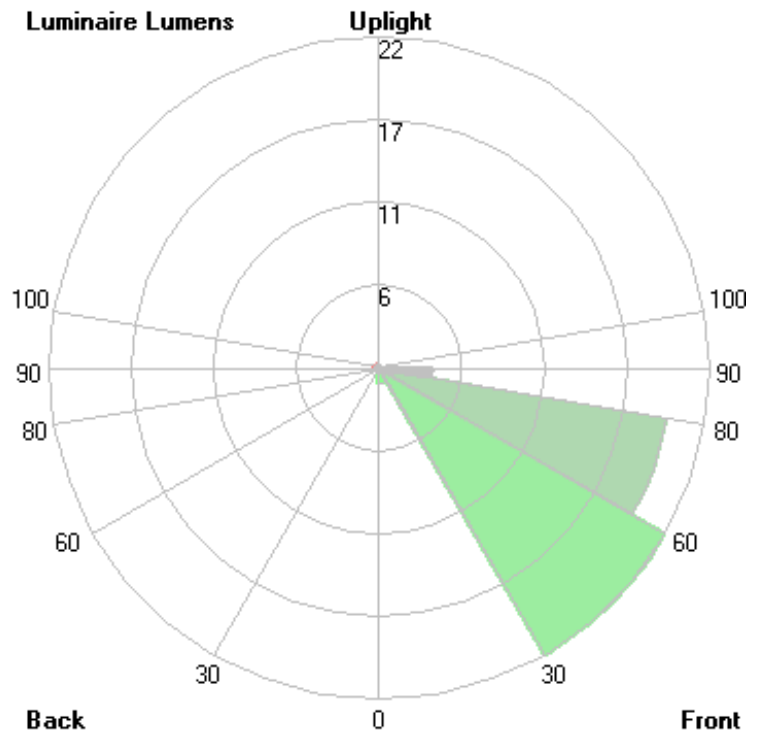
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1.1	N.A.	2.2
FM (30-60)	22.4	N.A.	47.2
FH (60-80)	19.8	N.A.	41.7
FVH (80-90)	3.7	N.A.	7.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.3	N.A.	0.7
UH (100-180)	0.2	N.A.	0.4
Total	47.5	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1 ft.

Grid Spacing: 2 ft.



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

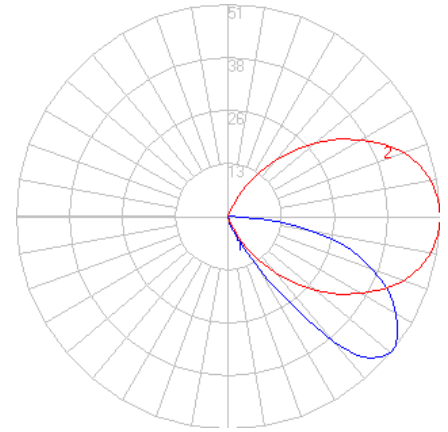
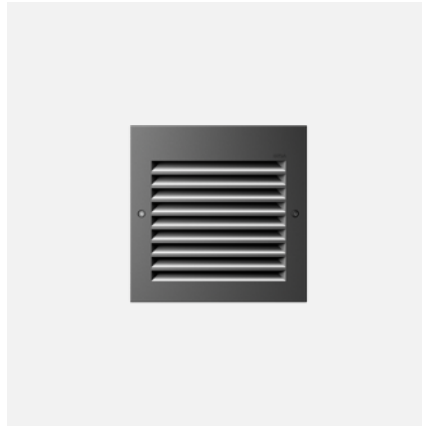
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/17/2020

BEGA

File: 24232K27_BEGA_IES.ies

TEST: BE_24232K4
TEST LAB: BEGA
DATE: 4/7/2017
LUMINAIRE: 24 232K27
LAMP: 2.8W LED



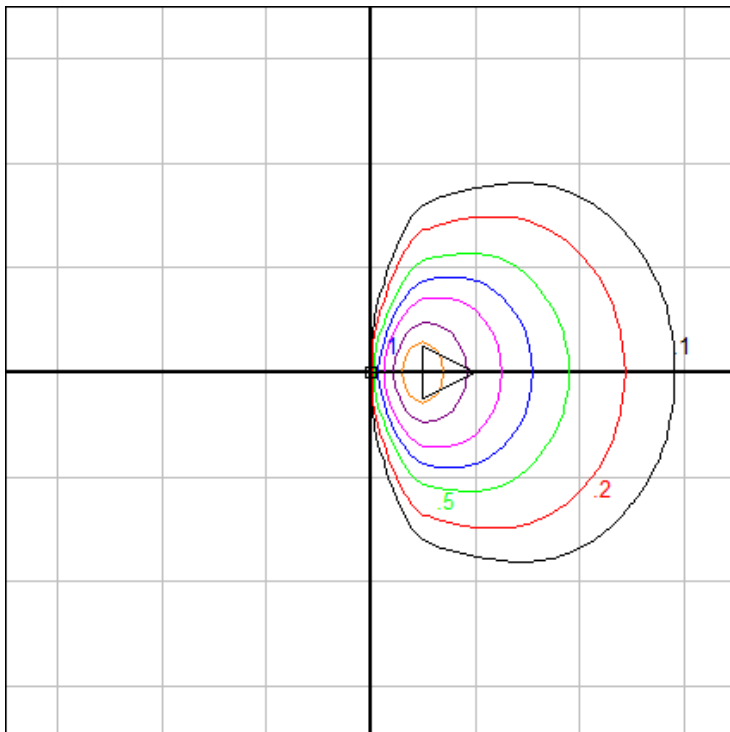
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	46
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	9
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	51.136 (0H, 52.5V)
Max. Cd. (<90 Vert.)	51.136 (0H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	3.29 (7.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	21.15 (46.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

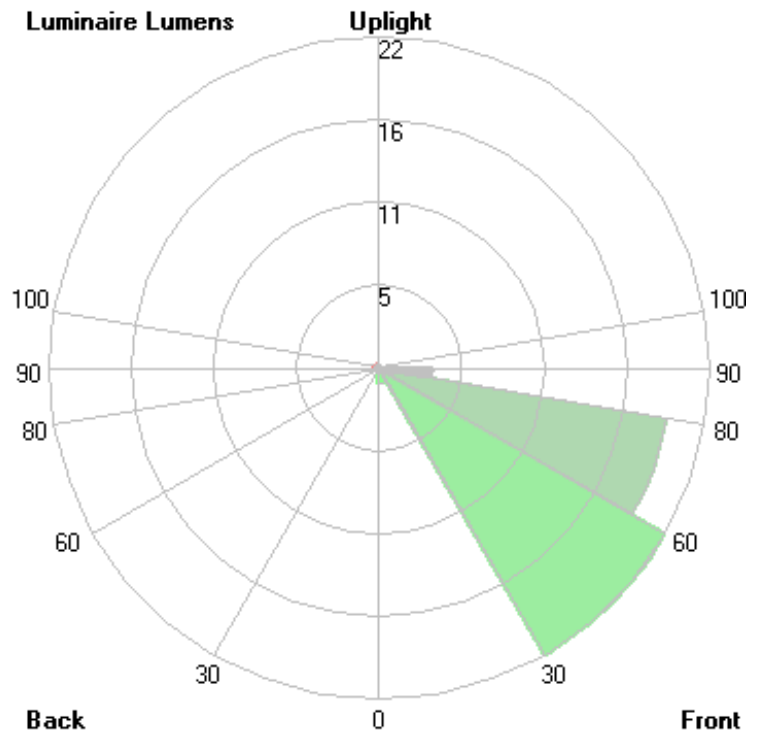
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1.0	N.A.	2.2
FM (30-60)	21.7	N.A.	47.2
FH (60-80)	19.2	N.A.	41.8
FVH (80-90)	3.6	N.A.	7.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.3	N.A.	0.7
UH (100-180)	0.2	N.A.	0.4
Total	46.0	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1 ft.

Grid Spacing: 2 ft.



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

11/17/2020