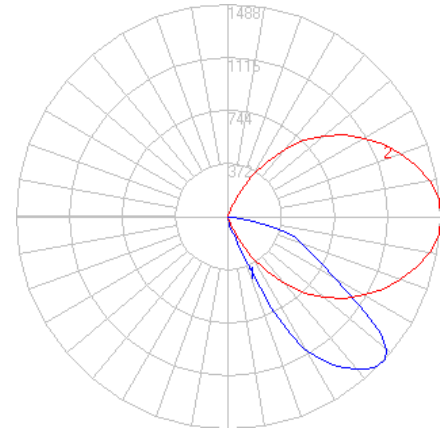
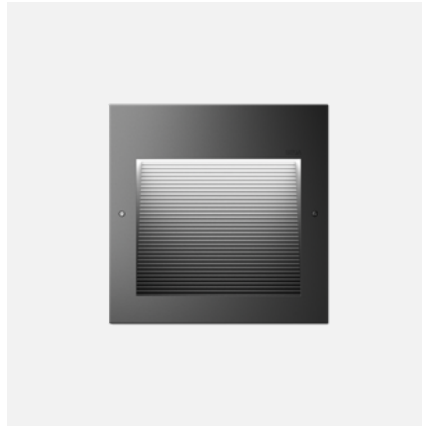


BEGA

File: 24204K4_BEGA_IES.ies

TEST: BE_24204K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 204K4
LAMP: 11.6W LED



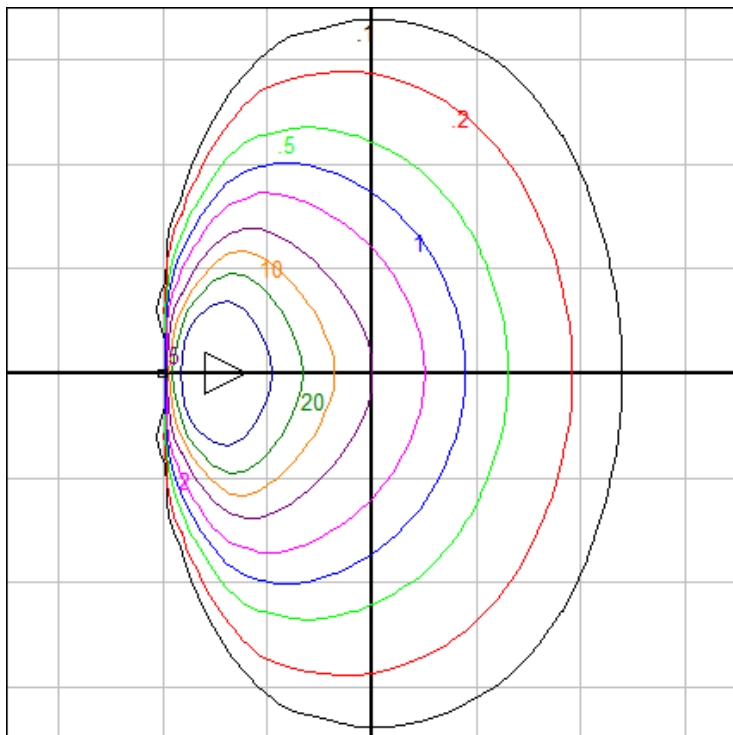
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1145
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1488.2 (5H, 47.5V)
Max. Cd. (<90 Vert.)	1488.2 (5H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	6 (0.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	182.9 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	69.0	N.A.	6.0
FM (30-60)	735.7	N.A.	64.3
FH (60-80)	317.5	N.A.	27.7
FVH (80-90)	20.8	N.A.	1.8
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	1.0	N.A.	0.1
UH (100-180)	0.6	N.A.	0.1
Total	1144.6	N.A.	100.0

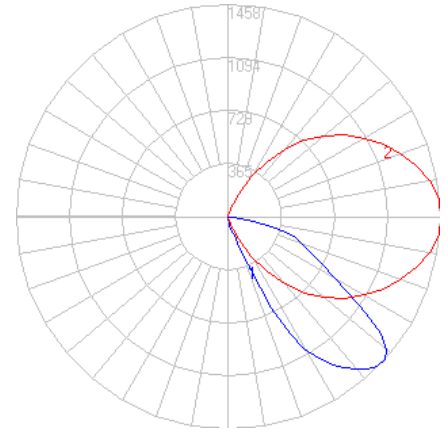
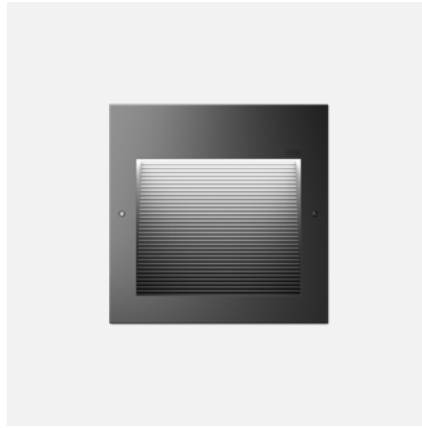
BUG Rating B0-U1-G1



BEGA

File: 24204K35_BEGA_IES.ies

TEST: BE_24204K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 204K35
LAMP: 11.6W LED



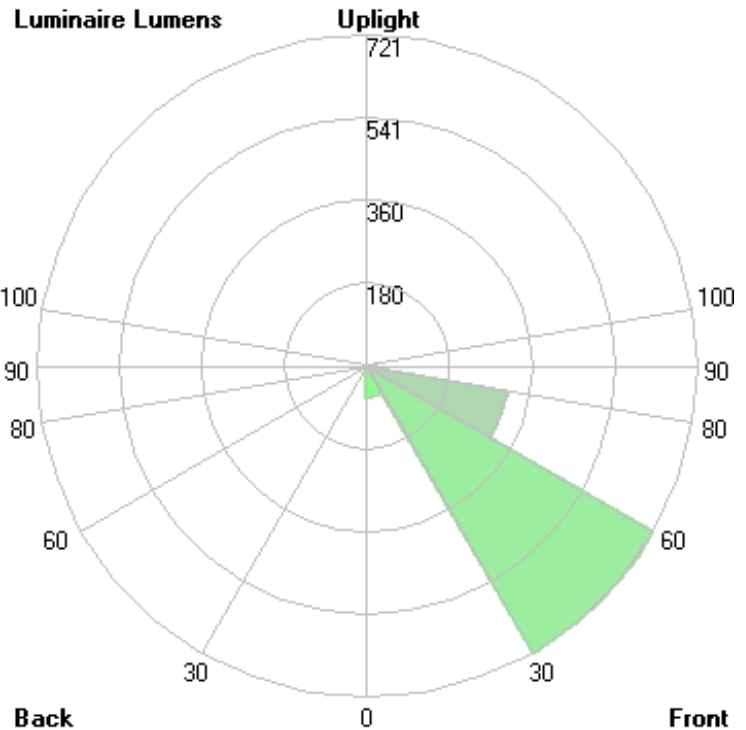
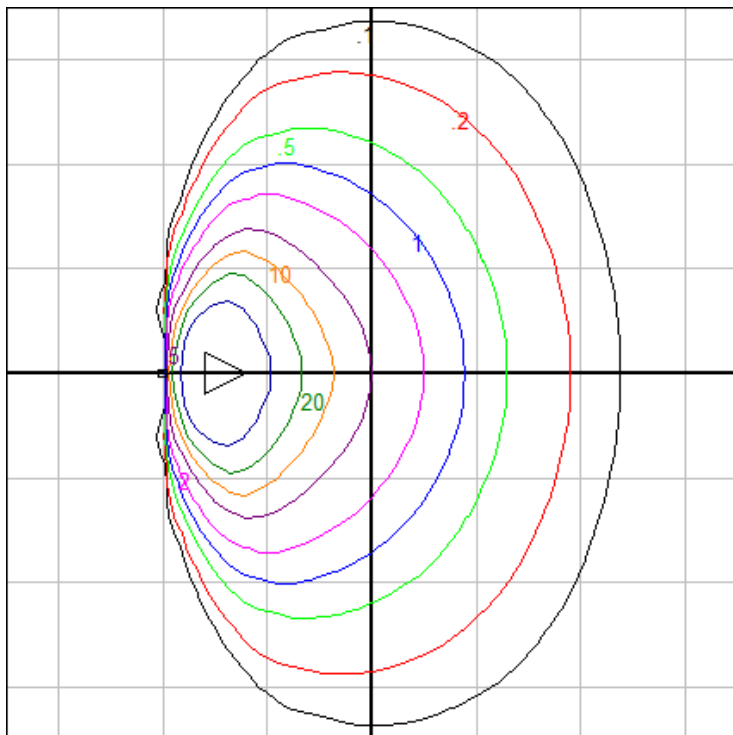
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1122
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1458.436 (5H, 47.5V)
Max. Cd. (<90 Vert.)	1458.436 (5H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	5.88 (0.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	179.242 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	67.6	N.A.	6.0
FM (30-60)	721.0	N.A.	64.3
FH (60-80)	311.1	N.A.	27.7
FVH (80-90)	20.4	N.A.	1.8
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	1.0	N.A.	0.1
UH (100-180)	0.6	N.A.	0.1
Total	1121.7	N.A.	100.0

BUG Rating B0-U1-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

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

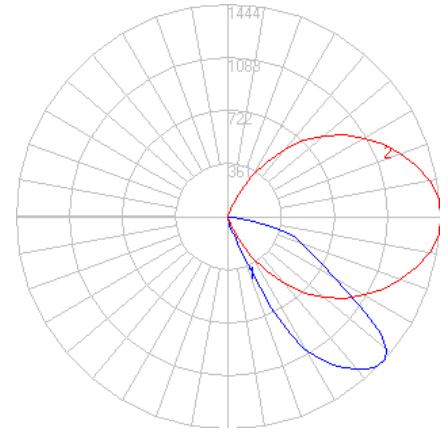
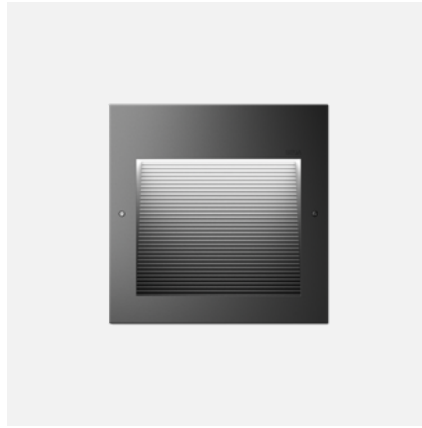
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/22/2020

BEGA

File: 24204K3_BEGA_IES.ies

TEST: BE_24204K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 204K3
LAMP: 11.6W LED



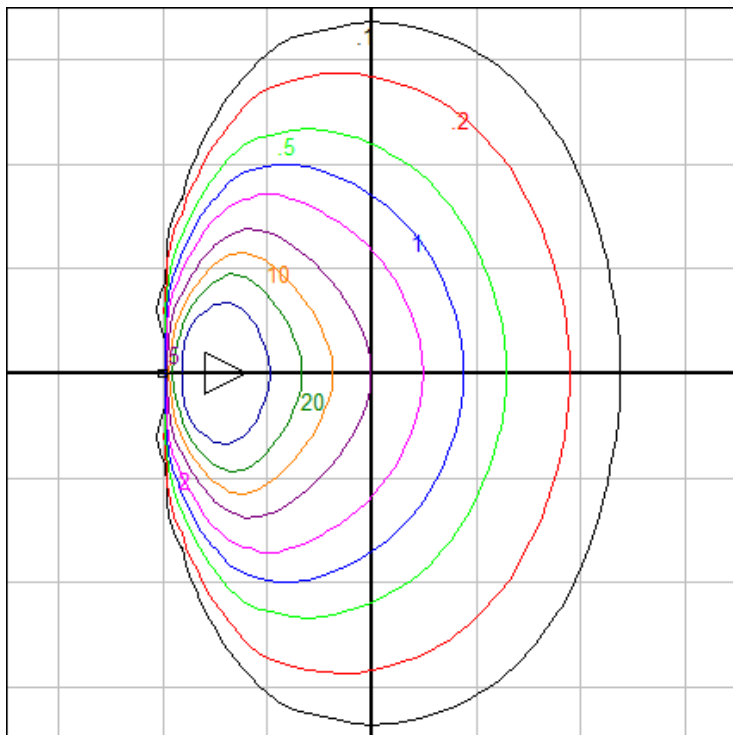
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1110
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1443.554 (5H, 47.5V)
Max. Cd. (<90 Vert.)	1443.554 (5H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	5.82 (0.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	177.413 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	66.9	N.A.	6.0
FM (30-60)	713.6	N.A.	64.3
FH (60-80)	307.9	N.A.	27.7
FVH (80-90)	20.2	N.A.	1.8
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	1.0	N.A.	0.1
UH (100-180)	0.6	N.A.	0.1
Total	1110.2	N.A.	100.0

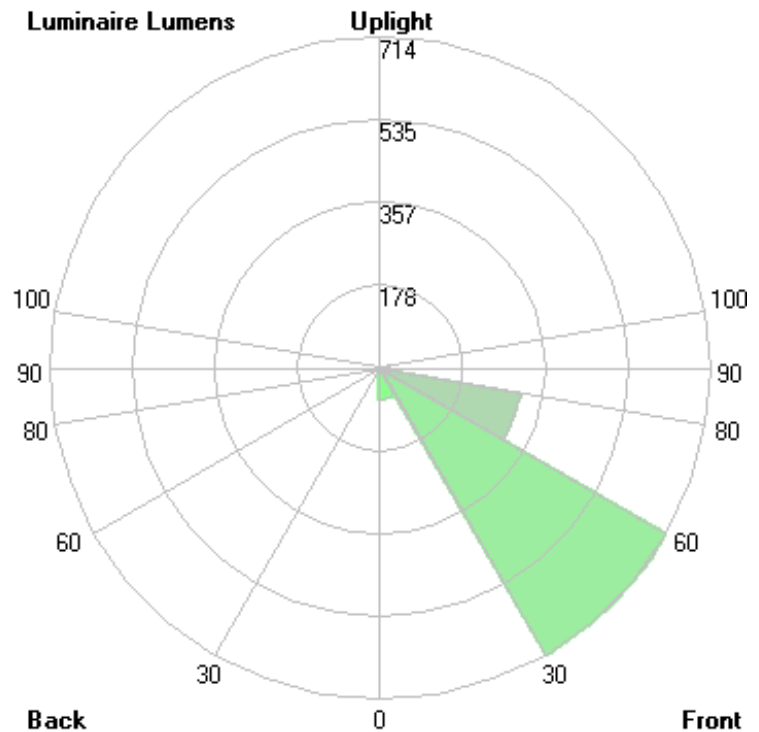
BUG Rating B0-U1-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens



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

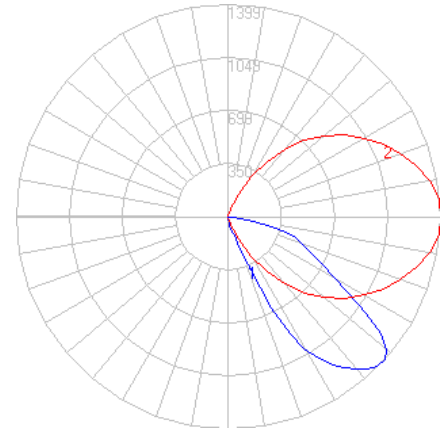
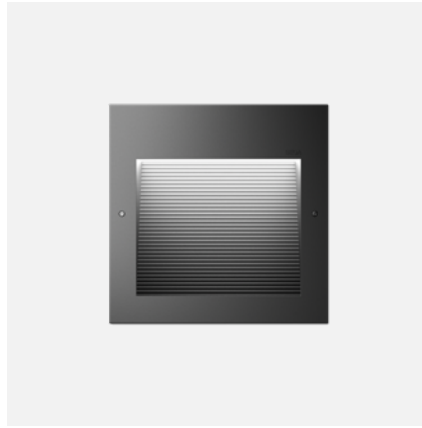
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/22/2020

BEGA

File: 24204K27_BEGA_IES.ies

TEST: BE_24204K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 204K27
LAMP: 11.6W LED



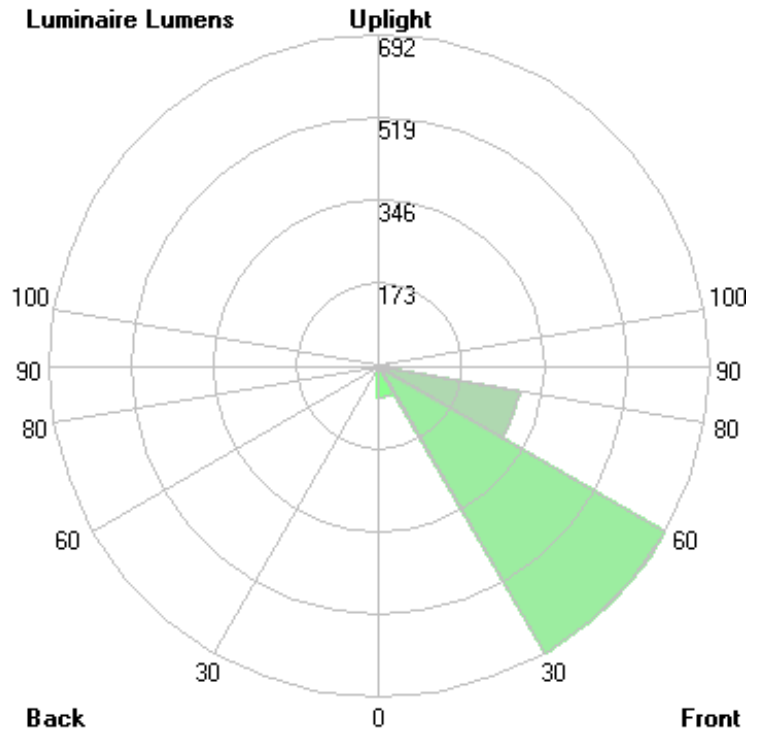
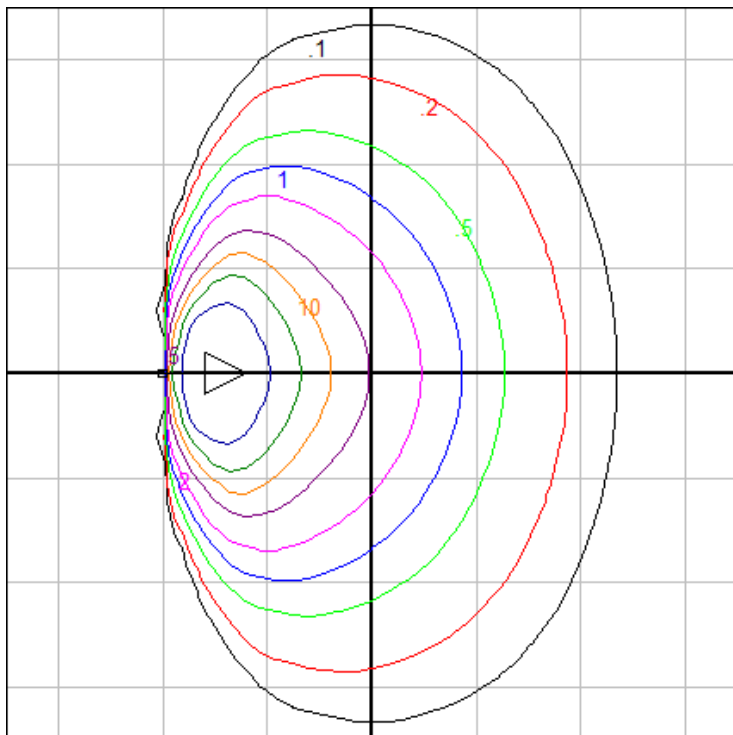
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1076
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1398.908 (5H, 47.5V)
Max. Cd. (<90 Vert.)	1398.908 (5H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	5.64 (0.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	171.926 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	64.8	N.A.	6.0
FM (30-60)	691.5	N.A.	64.3
FH (60-80)	298.4	N.A.	27.7
FVH (80-90)	19.6	N.A.	1.8
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	1.0	N.A.	0.1
UH (100-180)	0.6	N.A.	0.1
Total	1075.9	N.A.	100.0

BUG Rating B0-U1-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 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

11/22/2020