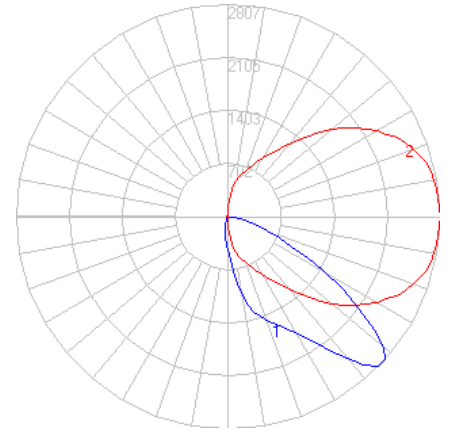


BEGA

File: 84103K4_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 103K4
LAMP: 19.4W LED



Characteristics

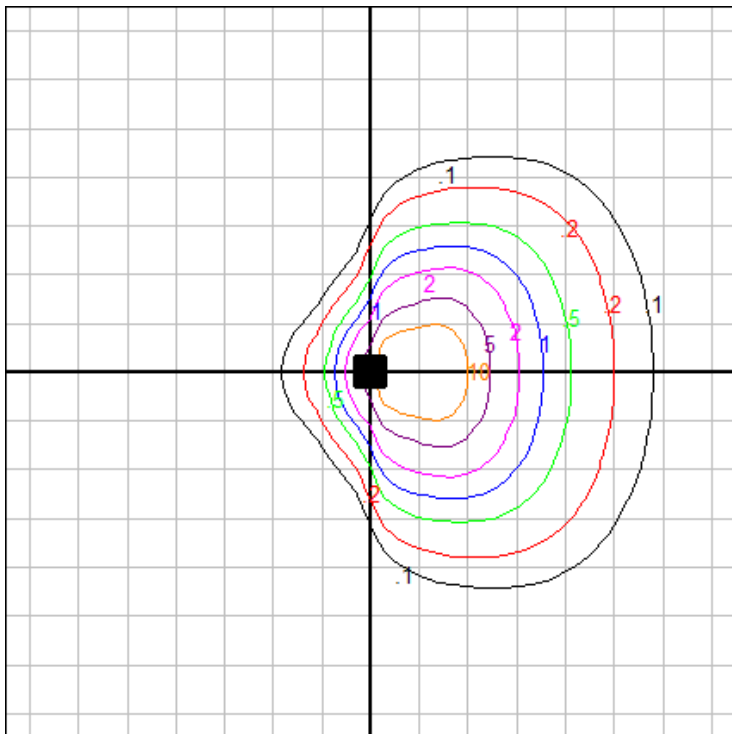
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2661
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2806.8 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2806.8 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	1 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	158.3 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

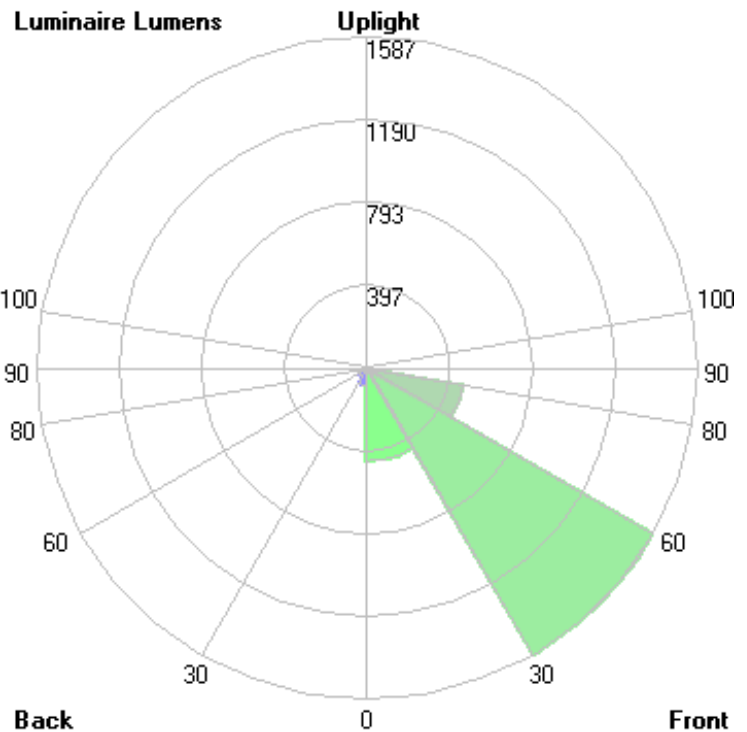
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	444.7	N.A.	16.7
FM (30-60)	1586.9	N.A.	59.6
FH (60-80)	467.3	N.A.	17.6
FVH (80-90)	21.7	N.A.	0.8
BL (0-30)	83.4	N.A.	3.1
BM (30-60)	47.1	N.A.	1.8
BH (60-80)	9.2	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2660.9	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplight (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.



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

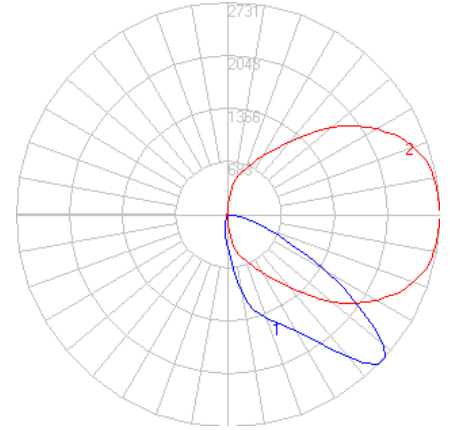
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

8/23/2022

BEGA

File: 84103K35_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 103K35
LAMP: 19.4W LED



Characteristics

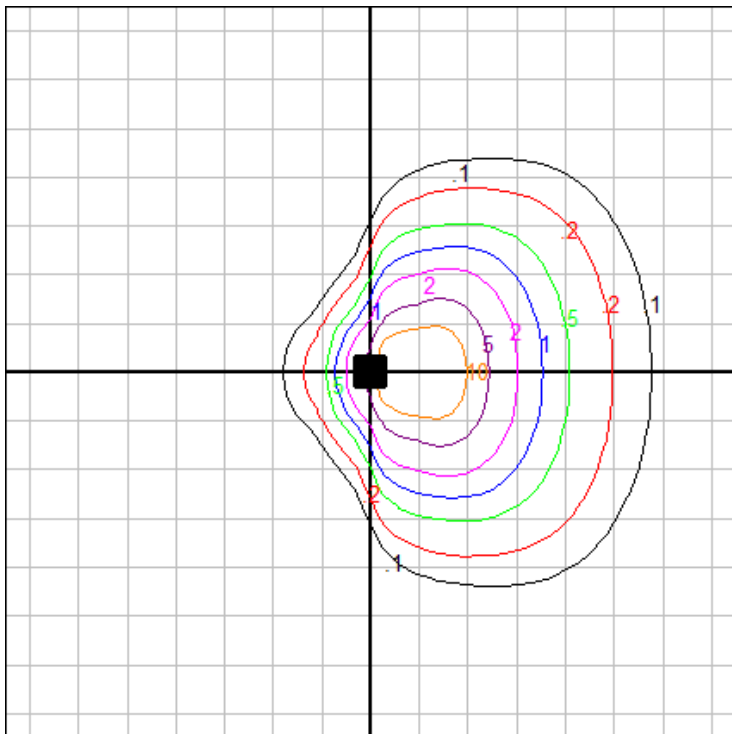
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2589
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2731.016 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2731.016 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.973 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	154.026 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

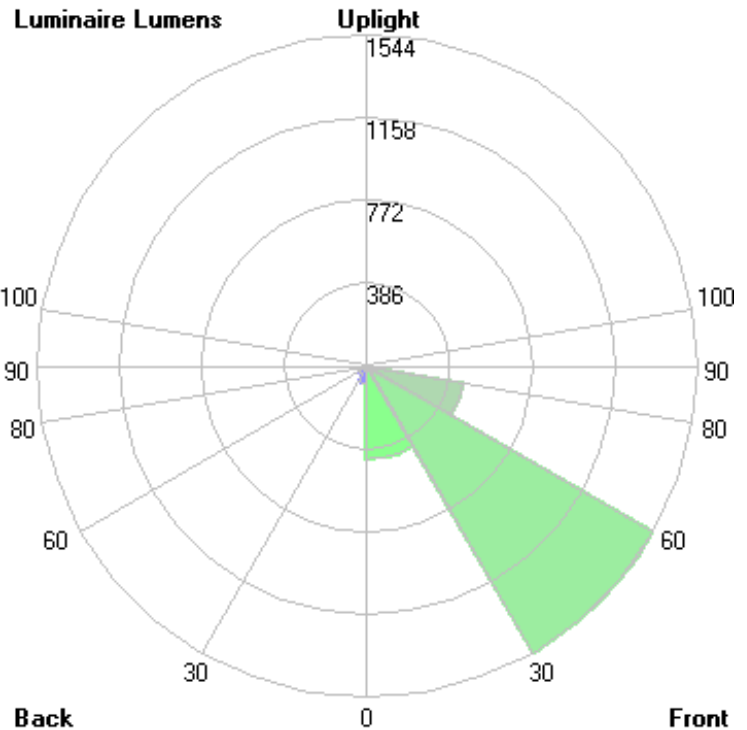
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	432.7	N.A.	16.7
FM (30-60)	1544.0	N.A.	59.6
FH (60-80)	454.6	N.A.	17.6
FVH (80-90)	21.1	N.A.	0.8
BL (0-30)	81.2	N.A.	3.1
BM (30-60)	45.8	N.A.	1.8
BH (60-80)	8.9	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2588.9	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.



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

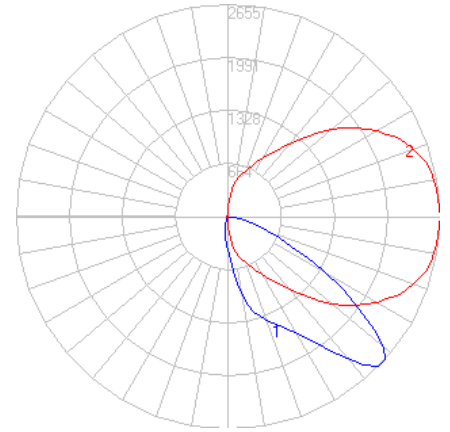
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

8/23/2022

BEGA

File: 84103K3_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 103K3
LAMP: 19.4W LED



Characteristics

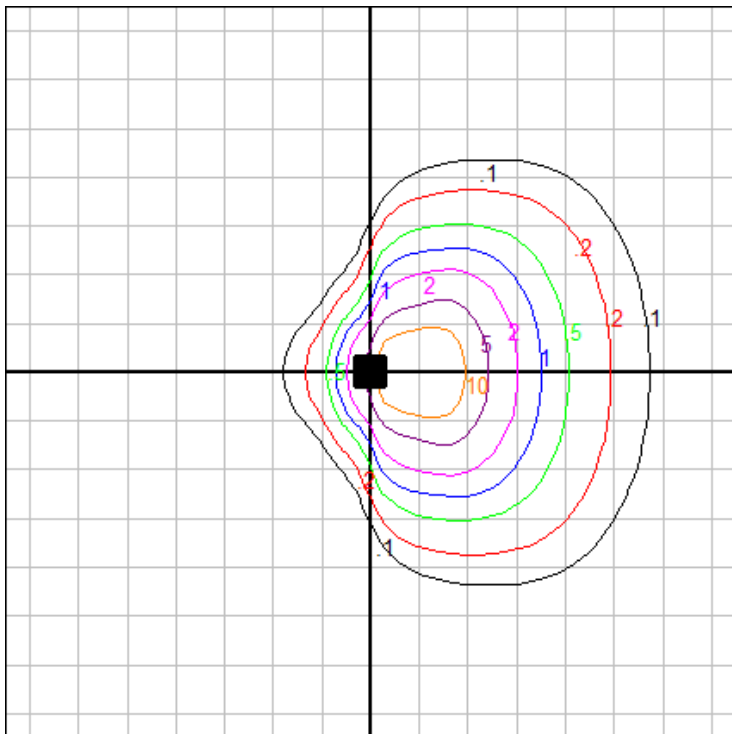
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2517
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2655.233 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2655.233 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.946 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	149.752 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

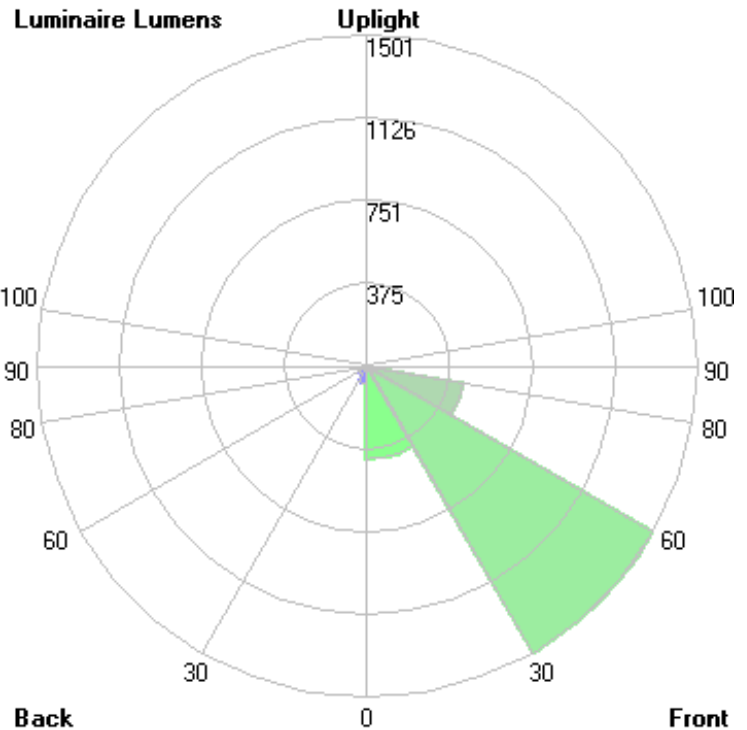
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	420.7	N.A.	16.7
FM (30-60)	1501.2	N.A.	59.6
FH (60-80)	442.0	N.A.	17.6
FVH (80-90)	20.5	N.A.	0.8
BL (0-30)	78.9	N.A.	3.1
BM (30-60)	44.5	N.A.	1.8
BH (60-80)	8.7	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2517.1	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.



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

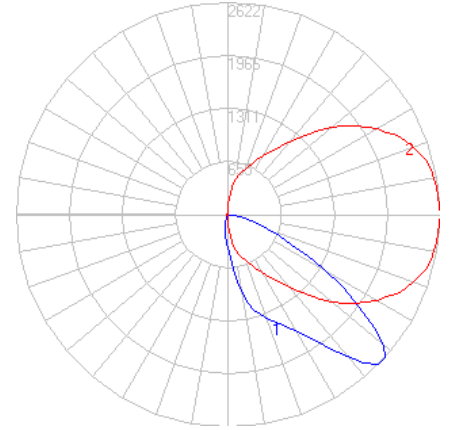
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

8/23/2022

BEGA

File: 84103K27_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 103K27
LAMP: 19.4W LED



Characteristics

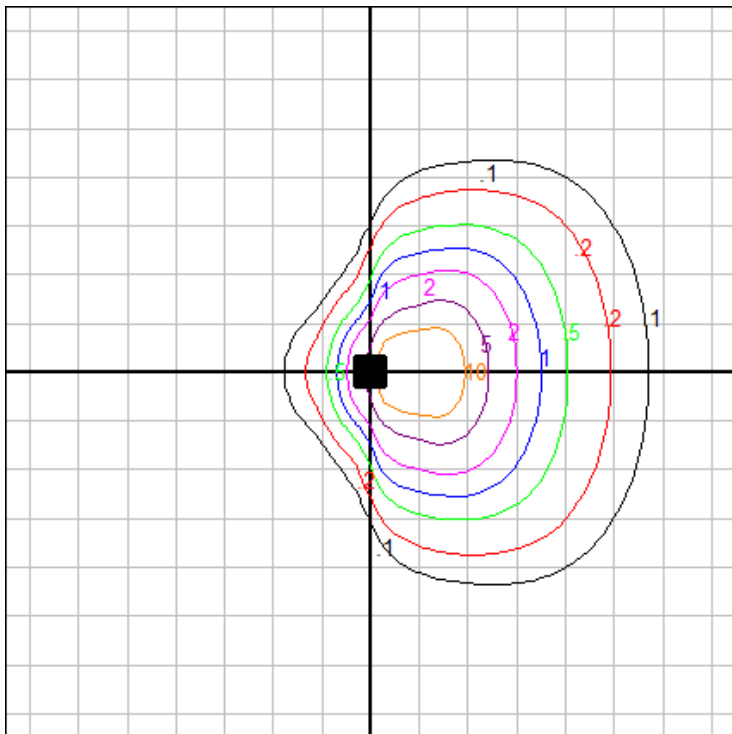
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2485
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2621.551 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2621.551 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.934 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	147.852 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

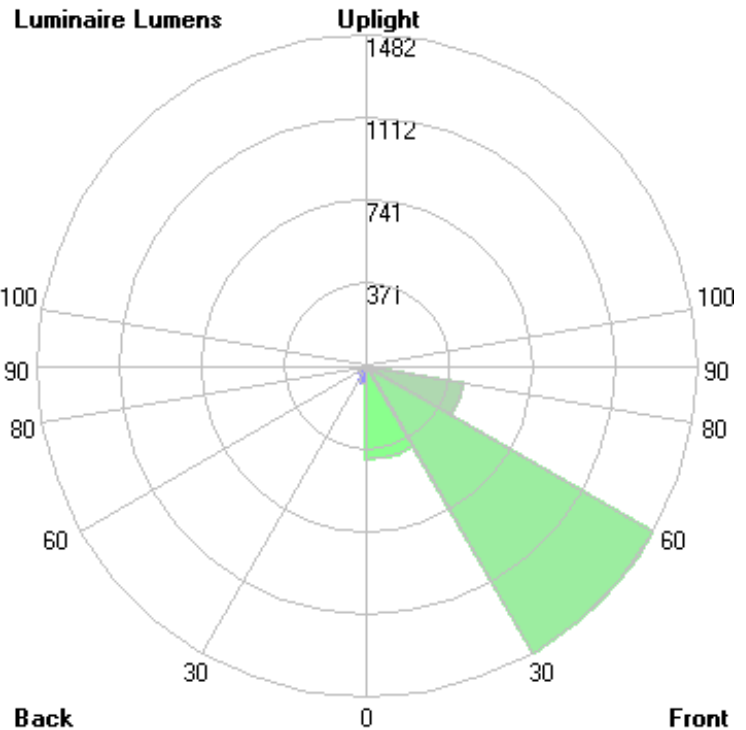
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	415.3	N.A.	16.7
FM (30-60)	1482.1	N.A.	59.6
FH (60-80)	436.4	N.A.	17.6
FVH (80-90)	20.2	N.A.	0.8
BL (0-30)	77.9	N.A.	3.1
BM (30-60)	44.0	N.A.	1.8
BH (60-80)	8.6	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2485.1	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplight (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 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 2022

8/23/2022