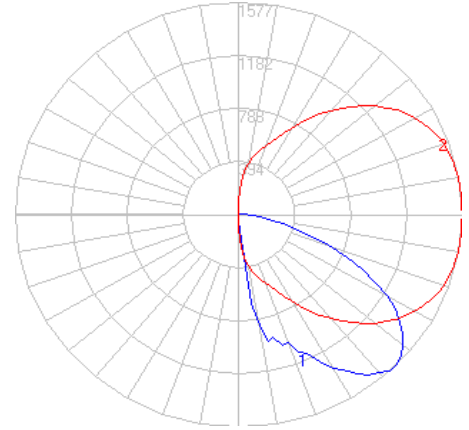


BEGA

File: 84463K4_BEGA_IES.ies

TEST: BE_84463K4
TEST LAB: BEGA
DATE: -
LUMINAIRE: 84 463K4
LAMP: 11.5W LED



Characteristics

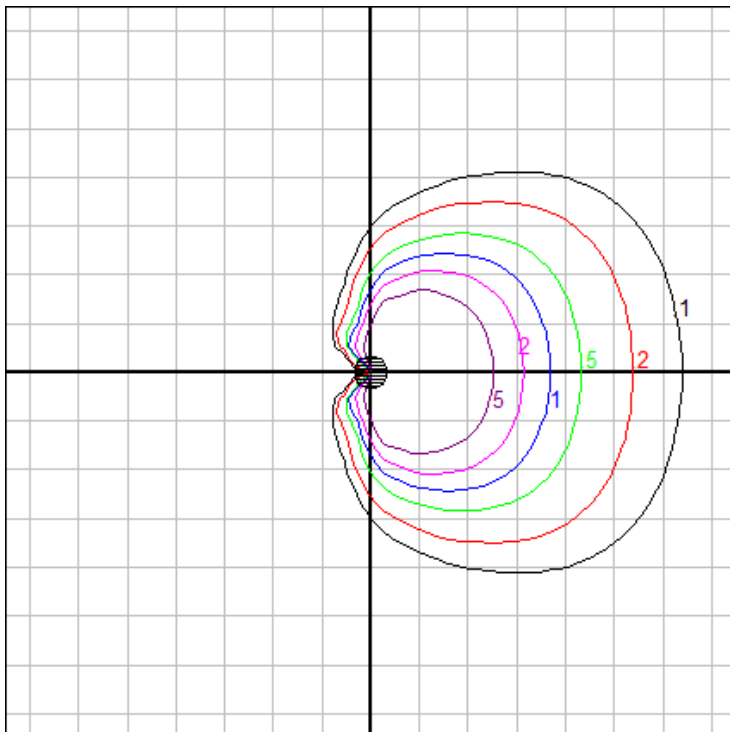
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1892
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1576.5 (360H, 45V)
Max. Cd. (<90 Vert.)	1576.5 (360H, 45V)
Max. Cd. (At 90 Deg. Vert.)	69.1 (3.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	243.1 (12.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

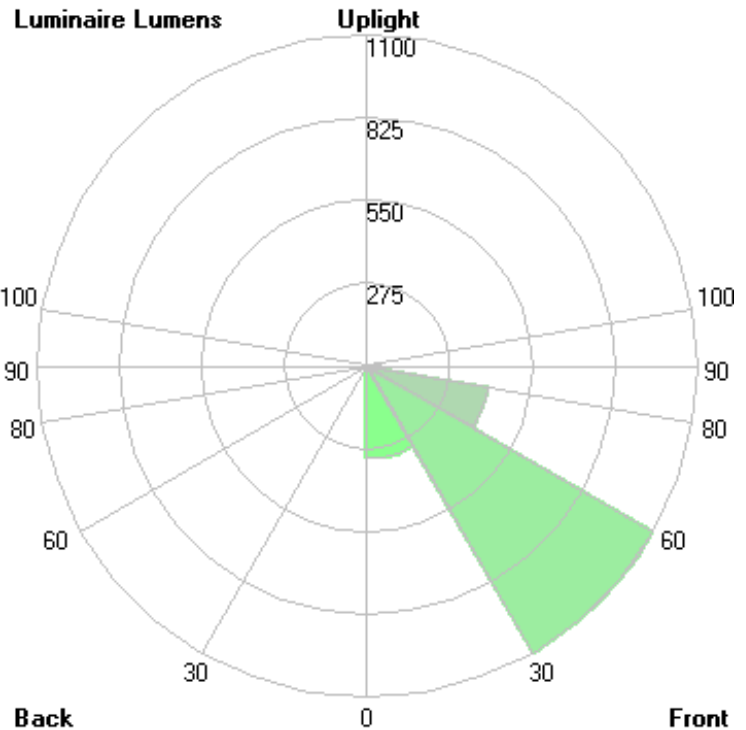
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	306.7	N.A.	16.2
FM (30-60)	1100.1	N.A.	58.1
FH (60-80)	409.4	N.A.	21.6
FVH(80-90)	42.6	N.A.	2.3
BL (0-30)	9.3	N.A.	0.5
BM (30-60)	14.0	N.A.	0.7
BH (60-80)	3.0	N.A.	0.2
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	7.2	N.A.	0.4
UH (100-180)	< 0.05	N.A.	0.0
Total	1892.4	N.A.	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 opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.



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

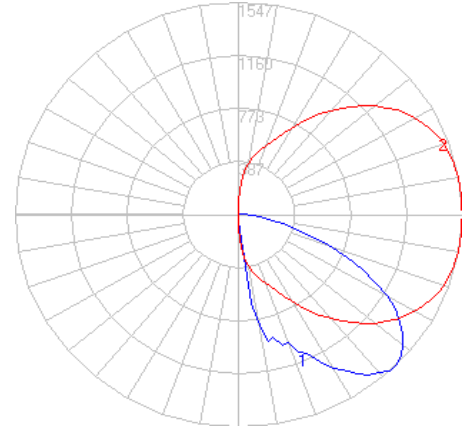
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BEGA

File: 84463K35_BEGA_IES.ies

TEST: BE_84463K4
TEST LAB: BEGA
DATE: -
LUMINAIRE: 84 463K35
LAMP: 11.5W LED



Characteristics

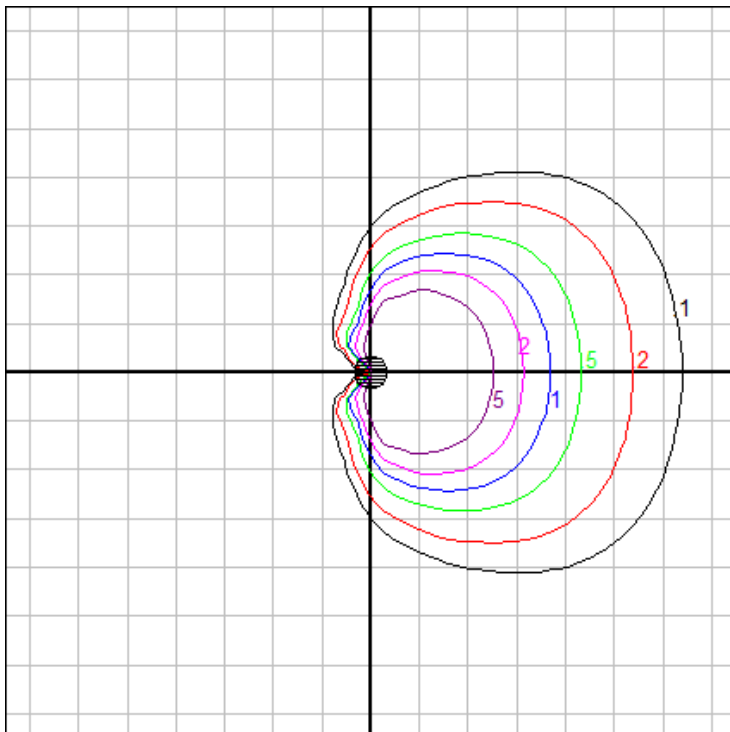
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1856
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1546.547 (360H, 45V)
Max. Cd. (<90 Vert.)	1546.547 (360H, 45V)
Max. Cd. (At 90 Deg. Vert.)	67.787 (3.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	238.481 (12.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

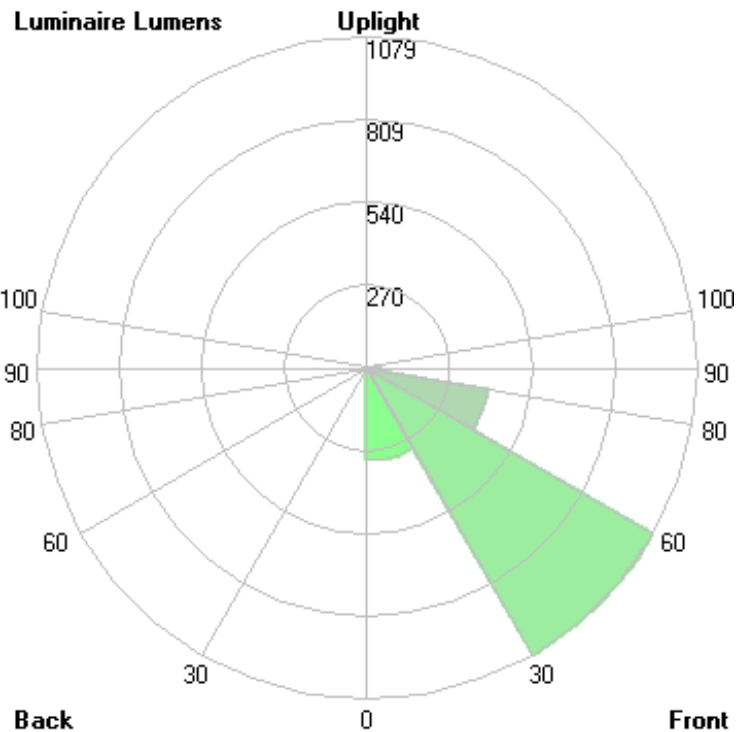
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	300.8	N.A.	16.2
FM (30-60)	1079.2	N.A.	58.1
FH (60-80)	401.6	N.A.	21.6
FVH(80-90)	41.8	N.A.	2.3
BL (0-30)	9.1	N.A.	0.5
BM (30-60)	13.7	N.A.	0.7
BH (60-80)	2.9	N.A.	0.2
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	7.0	N.A.	0.4
UH (100-180)	< 0.05	N.A.	0.0
Total	1856.2	N.A.	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 opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.



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

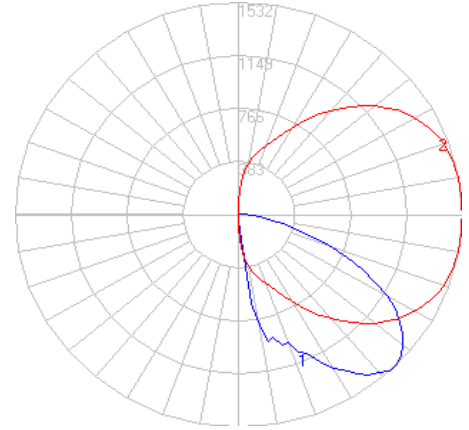
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BEGA

File: 84463K3_BEGA_IES.ies

TEST: BE_84463K4
TEST LAB: BEGA
DATE: -
LUMINAIRE: 84 463K3
LAMP: 11.5W LED



Characteristics

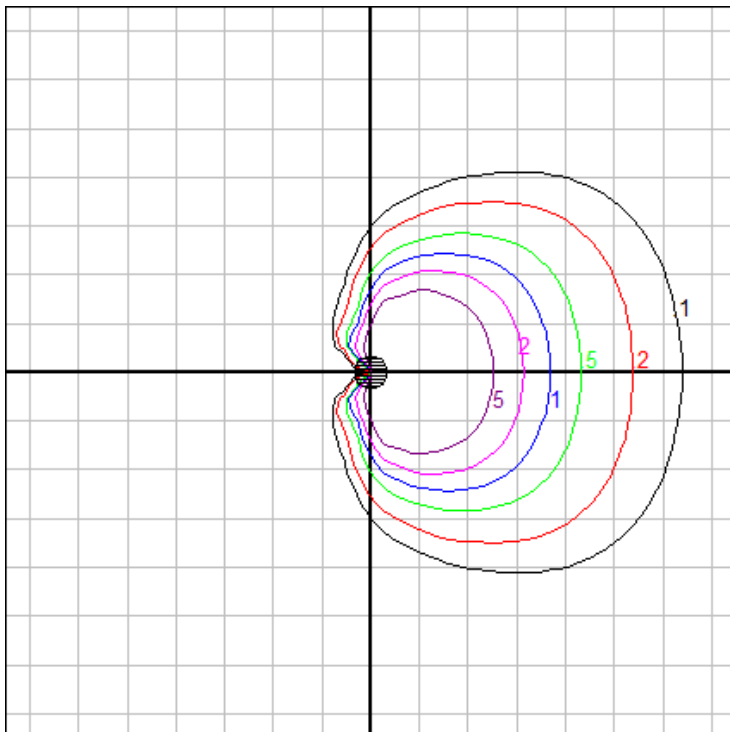
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1839
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1532.358 (360H, 45V)
Max. Cd. (<90 Vert.)	1532.358 (360H, 45V)
Max. Cd. (At 90 Deg. Vert.)	67.165 (3.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	236.293 (12.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

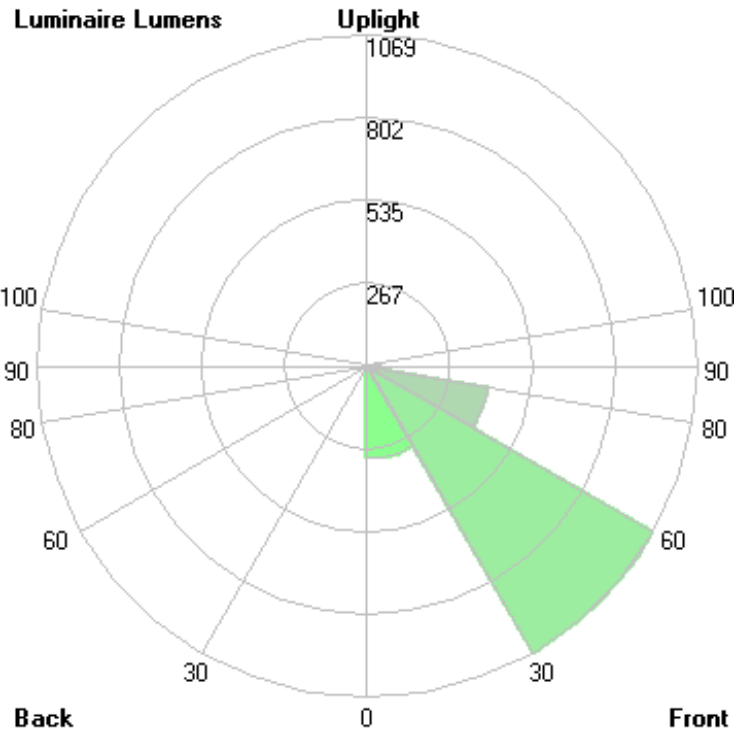
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	298.1	N.A.	16.2
FM (30-60)	1069.3	N.A.	58.1
FH (60-80)	397.9	N.A.	21.6
FVH(80-90)	41.4	N.A.	2.3
BL (0-30)	9.0	N.A.	0.5
BM (30-60)	13.6	N.A.	0.7
BH (60-80)	2.9	N.A.	0.2
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	7.0	N.A.	0.4
UH (100-180)	< 0.05	N.A.	0.0
Total	1839.3	N.A.	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 opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



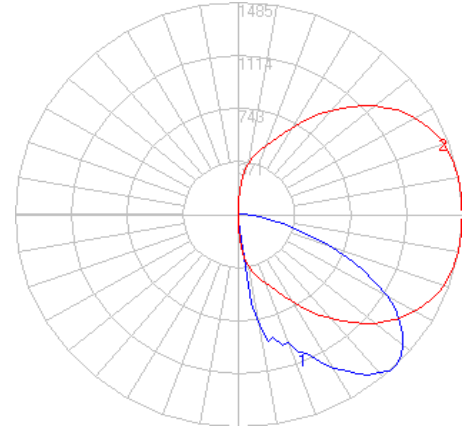
Grid Spacing: 3 ft.



BEGA

File: 84463K27_BEGA_IES.ies

TEST: BE_84463K4
TEST LAB: BEGA
DATE: -
LUMINAIRE: 84 463K27
LAMP: 11.5W LED



Characteristics

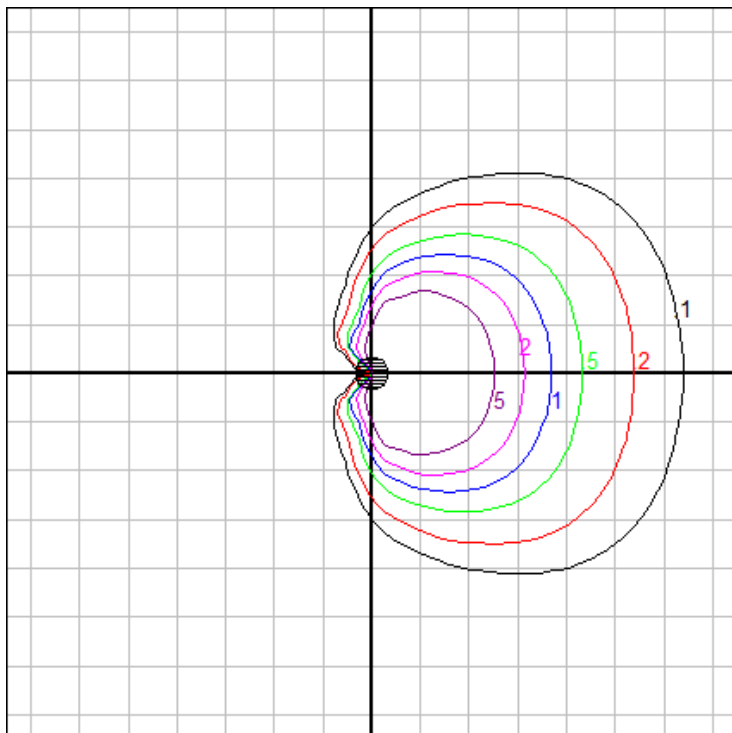
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1783
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1485.063 (360H, 45V)
Max. Cd. (<90 Vert.)	1485.063 (360H, 45V)
Max. Cd. (At 90 Deg. Vert.)	65.092 (3.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	229 (12.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

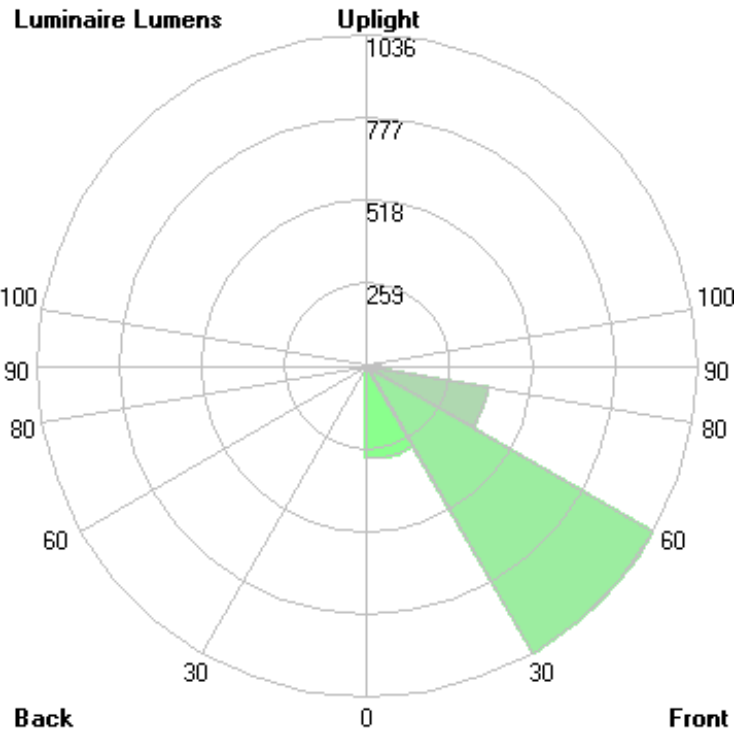
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	288.9	N.A.	16.2
FM (30-60)	1036.3	N.A.	58.1
FH (60-80)	385.6	N.A.	21.6
FVH(80-90)	40.1	N.A.	2.3
BL (0-30)	8.7	N.A.	0.5
BM (30-60)	13.2	N.A.	0.7
BH (60-80)	2.8	N.A.	0.2
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	6.8	N.A.	0.4
UH (100-180)	< 0.05	N.A.	0.0
Total	1782.5	N.A.	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 opaque sides, there is no significant uplight ($\leq 0.5\%$), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 3 ft.



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

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