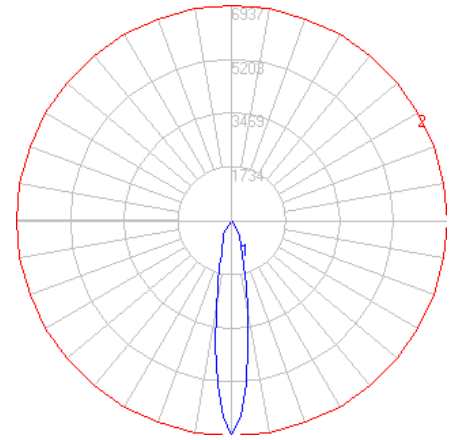


BEGA

Photometric Filename: 66698K4.IES

TEST: BE_66698K4
TEST LAB: BEGA
DATE: 11/07/2016
LUMINAIRE: 66 698K4
LAMP: 12.3W LED



Characteristics

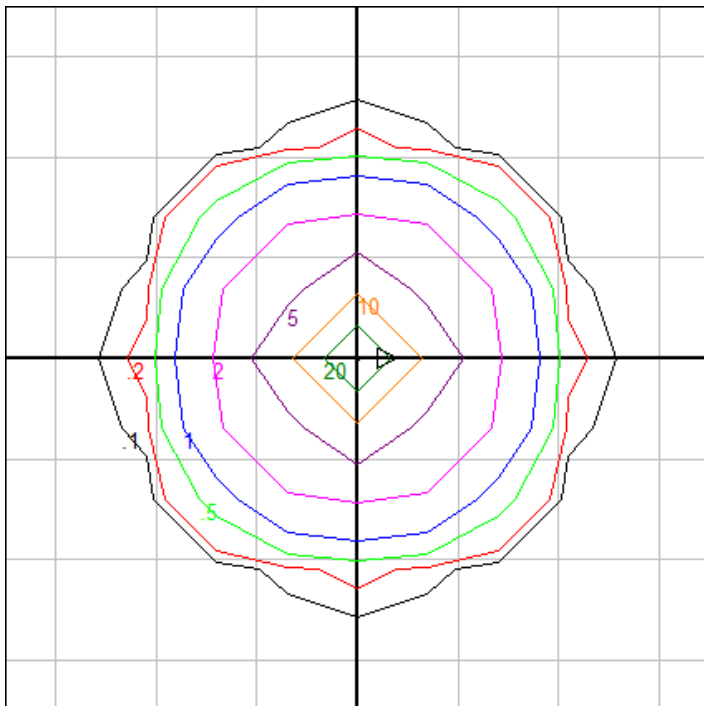
IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1300
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	14.1
Ballast Factor	1.00
Upward Waste Light Ratio	N.A.
Max. Cd.	6937.3 (0H, 0V)
Max. Cd. (<90 Vert.)	6937.3 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	.7 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.8 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

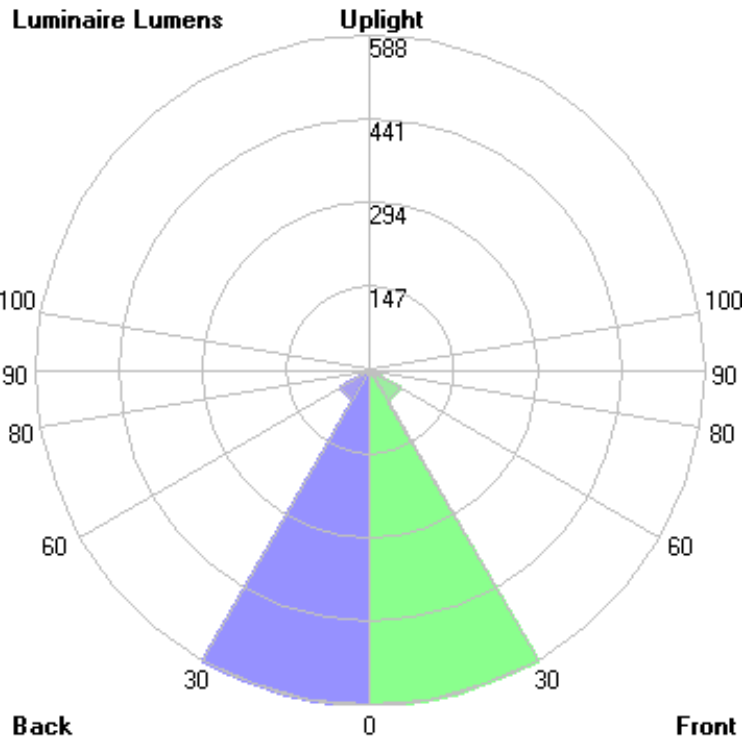
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	587.8	N.A.	45.2
FM (30-60)	60.3	N.A.	4.6
FH (60-80)	1.2	N.A.	0.1
FVH(80-90)	0.4	N.A.	0.0
BL (0-30)	587.8	N.A.	45.2
BM (30-60)	60.3	N.A.	4.6
BH (60-80)	1.2	N.A.	0.1
BVH(80-90)	0.4	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1299.5	N.A.	100.0

BUG Rating B2-U0*-G0

*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



Mounting Height = 15 ft. Grid Spacing = 5 ft.



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

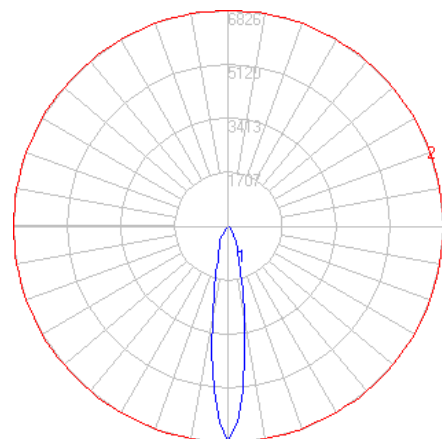
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BEGA

Photometric Filename: 66698K35.IES

TEST: BE_66698K4
TEST LAB: BEGA
DATE: 11/07/2016
LUMINAIRE: 66 698K35
LAMP: 12.3W LED



Characteristics

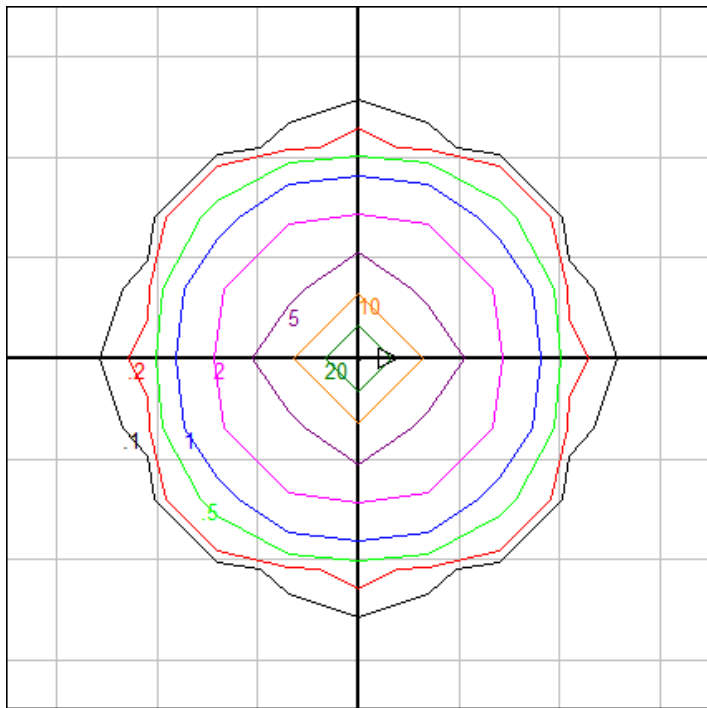
IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1279
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	14.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	6826.303 (360H, 0V)
Max. Cd. (<90 Vert.)	6826.303 (360H, 0V)
Max. Cd. (At 90 Deg. Vert.)	.689 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.787 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

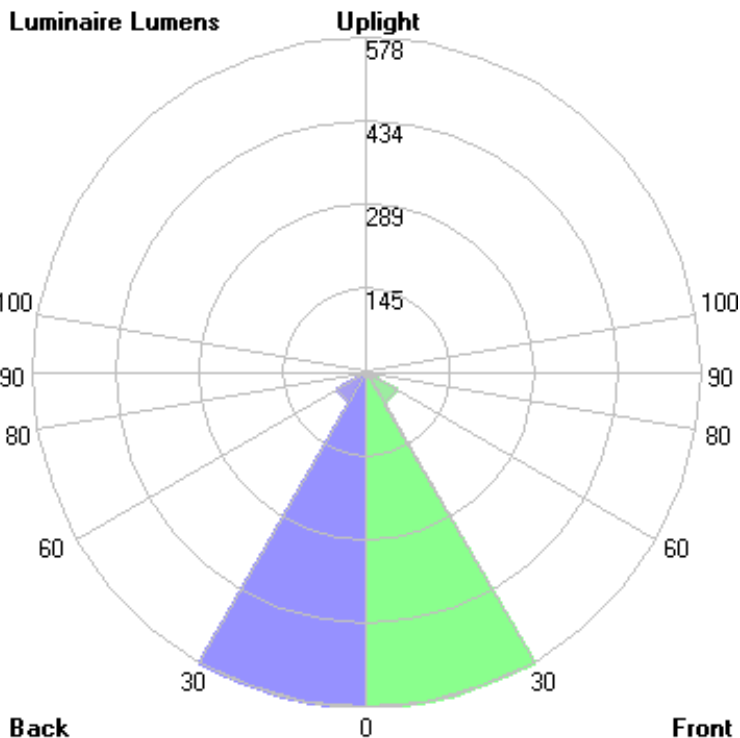
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	578.4	N.A.	45.2
FM (30-60)	59.4	N.A.	4.6
FH (60-80)	1.1	N.A.	0.1
FVH(80-90)	0.4	N.A.	0.0
BL (0-30)	578.4	N.A.	45.2
BM (30-60)	59.4	N.A.	4.6
BH (60-80)	1.1	N.A.	0.1
BVH(80-90)	0.4	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1278.7	N.A.	100.0

BUG Rating B2-U0*-G0

*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



Mounting Height = 15 ft. Grid Spacing = 5 ft.



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

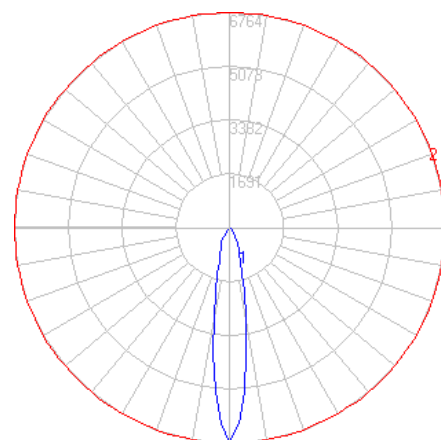
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BEGA

Photometric Filename: 66698K3.IES

TEST: BE_66698K4
TEST LAB: BEGA
DATE: 11/07/2016
LUMINAIRE: 66 698K3
LAMP: 12.3W LED



Characteristics

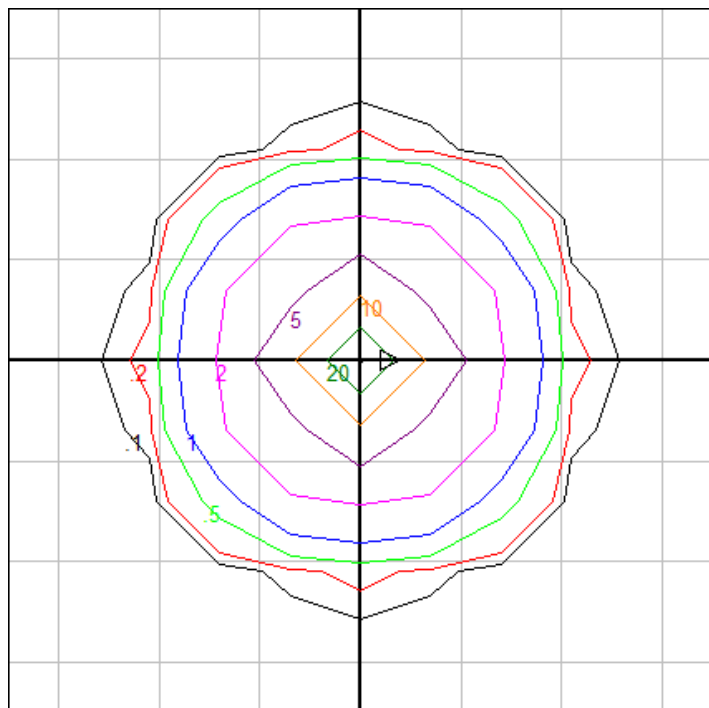
IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1267
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	14.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	6763.868 (360H, 0V)
Max. Cd. (<90 Vert.)	6763.868 (360H, 0V)
Max. Cd. (At 90 Deg. Vert.)	.683 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.78 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

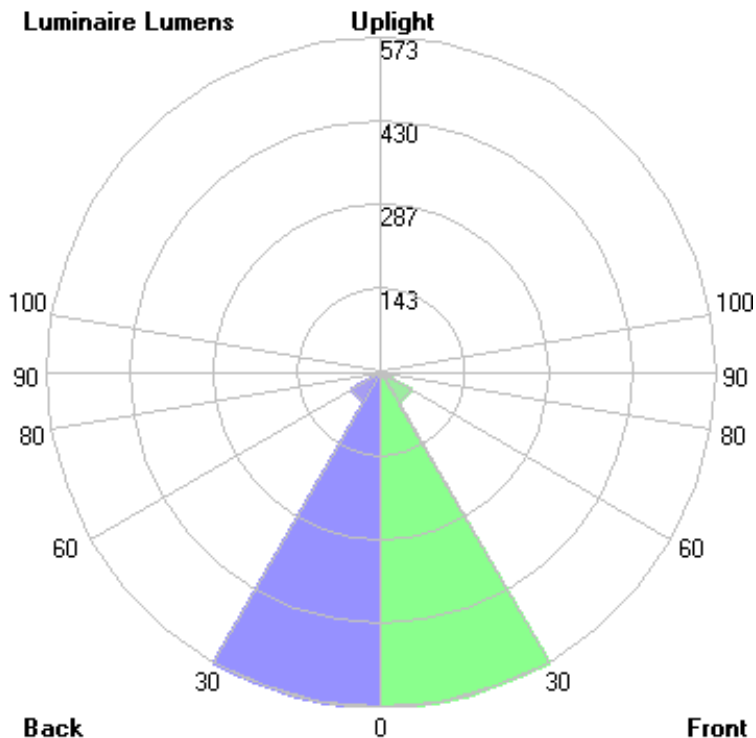
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	573.1	N.A.	45.2
FM (30-60)	58.8	N.A.	4.6
FH (60-80)	1.1	N.A.	0.1
FVH(80-90)	0.4	N.A.	0.0
BL (0-30)	573.1	N.A.	45.2
BM (30-60)	58.8	N.A.	4.6
BH (60-80)	1.1	N.A.	0.1
BVH(80-90)	0.4	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1266.9	N.A.	100.0

BUG Rating B2-U0*-G0

*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



Mounting Height = 15 ft. Grid Spacing = 5 ft.



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

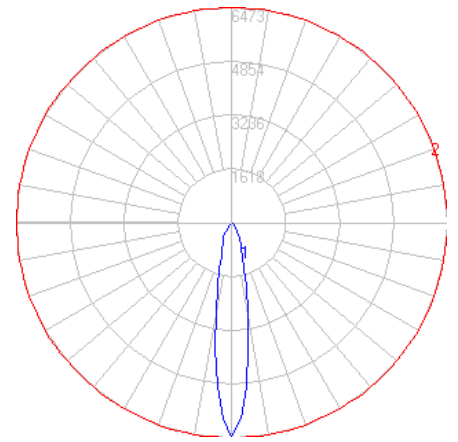
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BEGA

Photometric Filename: 66698K27.IES

TEST: BE_66698K4
TEST LAB: BEGA
DATE: 11/07/2016
LUMINAIRE: 66 698K27
LAMP: 12.3W LED



Characteristics

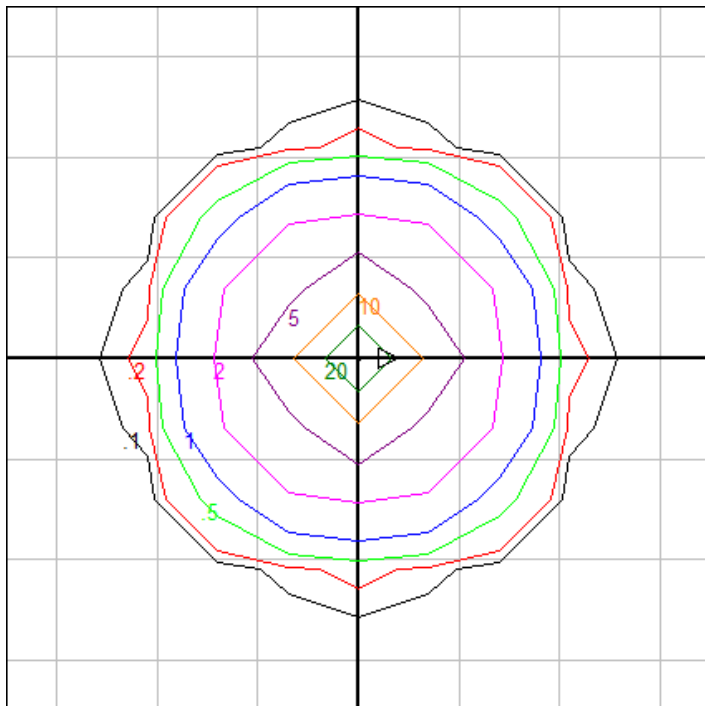
IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1213
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	14.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	6472.501 (360H, 0V)
Max. Cd. (<90 Vert.)	6472.501 (360H, 0V)
Max. Cd. (At 90 Deg. Vert.)	.653 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.746 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

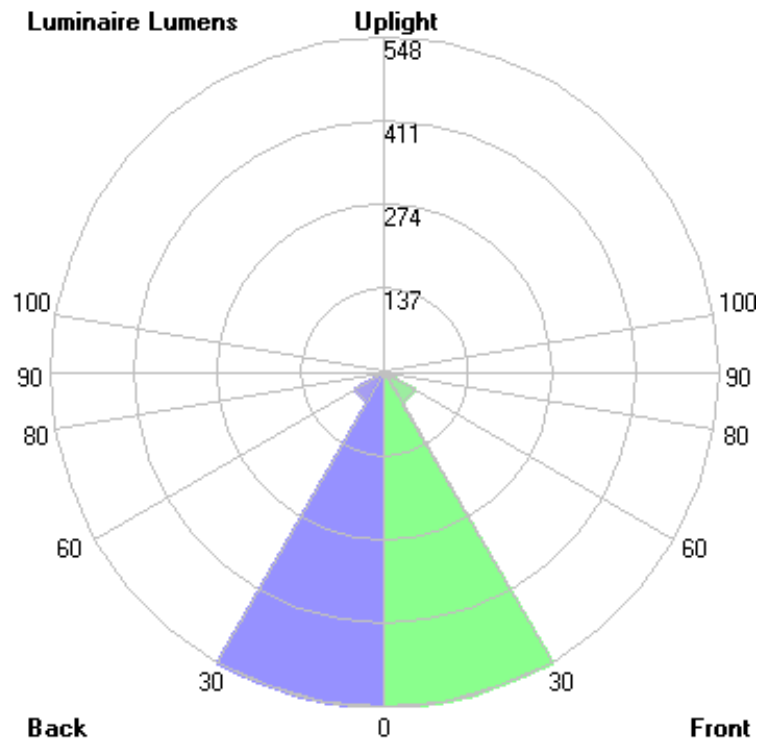
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	548.5	N.A.	45.2
FM (30-60)	56.3	N.A.	4.6
FH (60-80)	1.1	N.A.	0.1
FVH(80-90)	0.4	N.A.	0.0
BL (0-30)	548.5	N.A.	45.2
BM (30-60)	56.3	N.A.	4.6
BH (60-80)	1.1	N.A.	0.1
BVH(80-90)	0.4	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1212.7	N.A.	100.0

BUG Rating B2-U0*-G0

*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



Mounting Height = 15 ft. Grid Spacing = 5 ft.



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

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