

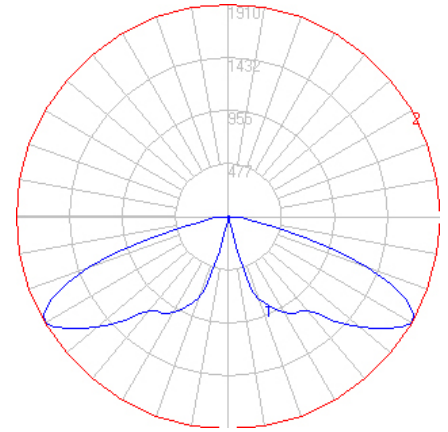
BEGA

File: 84101K4_BEGA_IES.ies

TEST: BE_84101K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84101 K4
LAMP: 47.7W LED

Characteristics

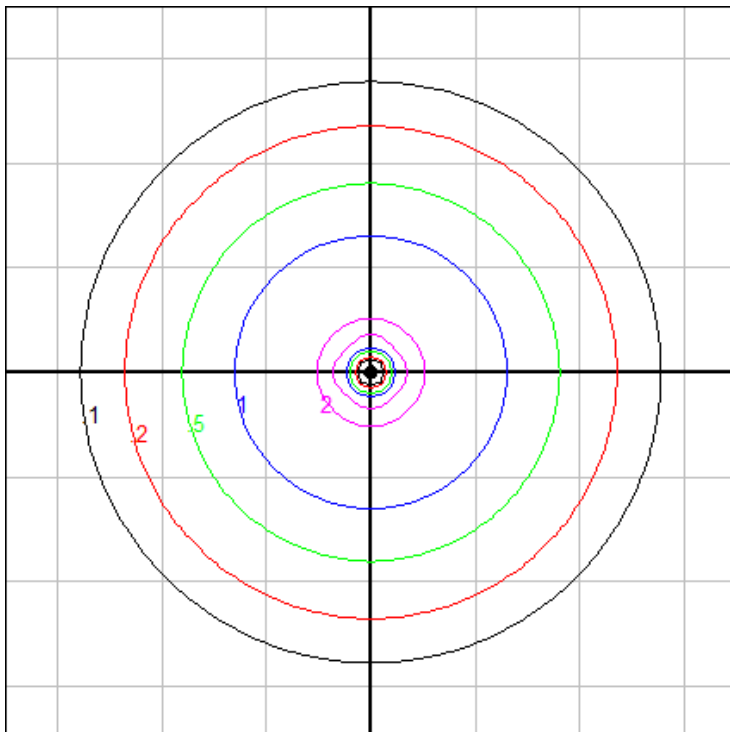
IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6457
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1909.6 (0H, 60V)
Max. Cd. (<90 Vert.)	1909.6 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	9.8 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	282.9 (4.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



Lum. Classification System (LCS)

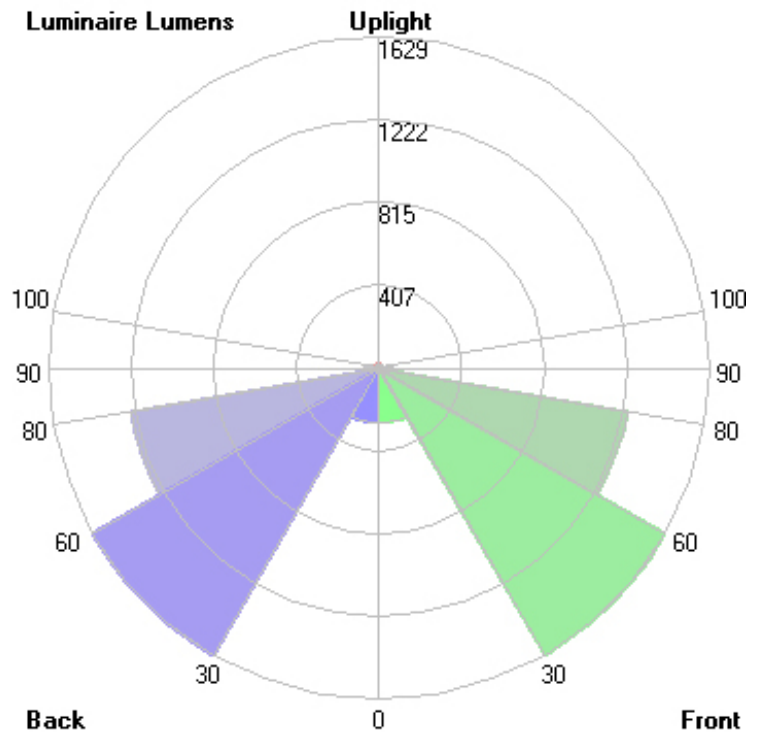
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	271.9	N.A.	4.2
FM (30-60)	1629.1	N.A.	25.2
FH (60-80)	1243.2	N.A.	19.3
FVH (80-90)	70.7	N.A.	1.1
BL (0-30)	271.9	N.A.	4.2
BM (30-60)	1629.1	N.A.	25.2
BH (60-80)	1243.2	N.A.	19.3
BVH (80-90)	70.7	N.A.	1.1
UL (90-100)	6.8	N.A.	0.1
UH (100-180)	20.4	N.A.	0.3
Total	6457.0	N.A.	100.0

BUG Rating B3-U2-G1



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

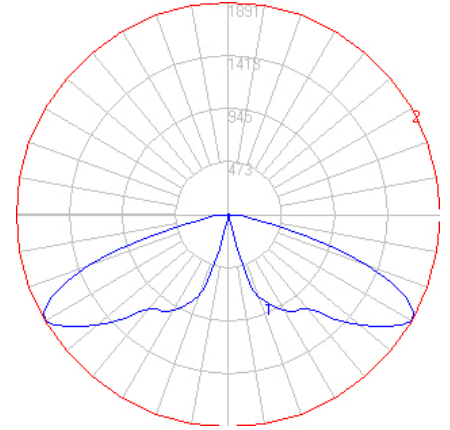
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BEGA

File: 84101K35_BEGA_IES.ies

TEST: BE_84101K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84101 K35
LAMP: 47.7W LED



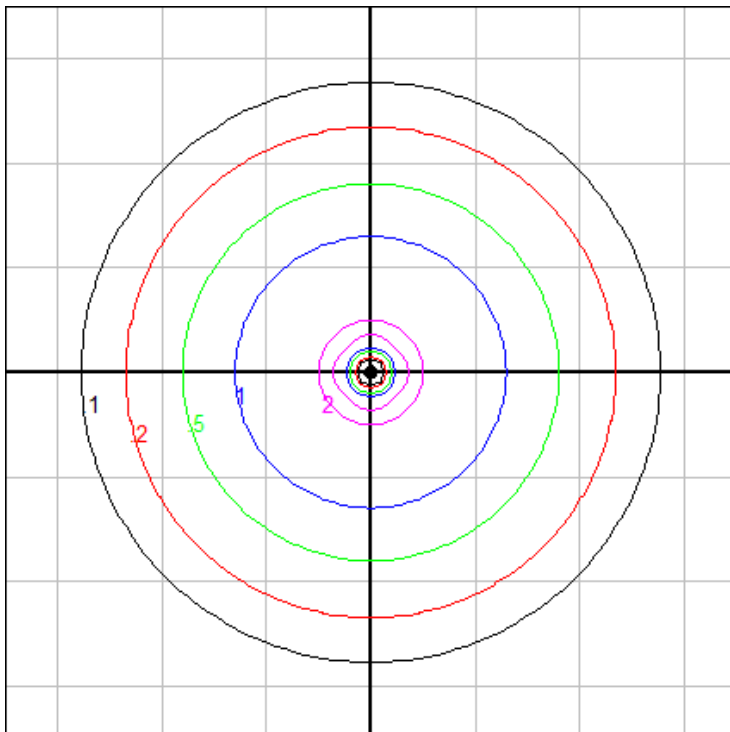
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6392
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1890.504 (0H, 60V)
Max. Cd. (<90 Vert.)	1890.504 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	9.702 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	280.071 (4.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

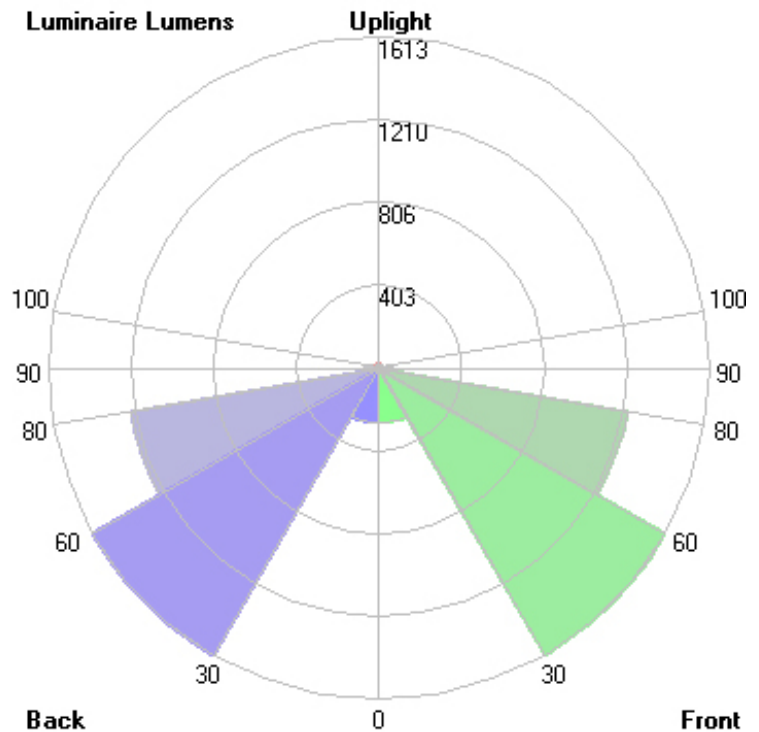
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	269.2	N.A.	4.2
FM (30-60)	1612.9	N.A.	25.2
FH (60-80)	1230.8	N.A.	19.3
FVH (80-90)	70.0	N.A.	1.1
BL (0-30)	269.2	N.A.	4.2
BM (30-60)	1612.9	N.A.	25.2
BH (60-80)	1230.8	N.A.	19.3
BVH (80-90)	70.0	N.A.	1.1
UL (90-100)	6.7	N.A.	0.1
UH (100-180)	20.2	N.A.	0.3
Total	6392.7	N.A.	100.0

BUG Rating B3-U2-G1



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

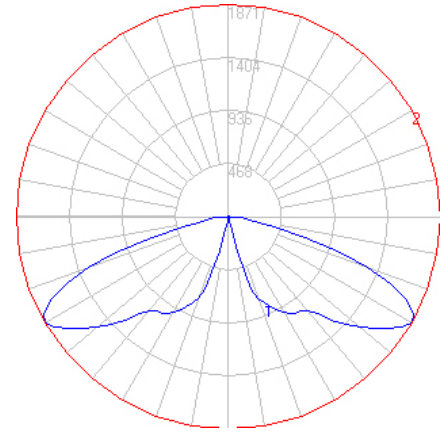
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BEGA

File: 84101K3_BEGA_IES.ies

TEST: BE_84101K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84101 K3
LAMP: 47.7W LED



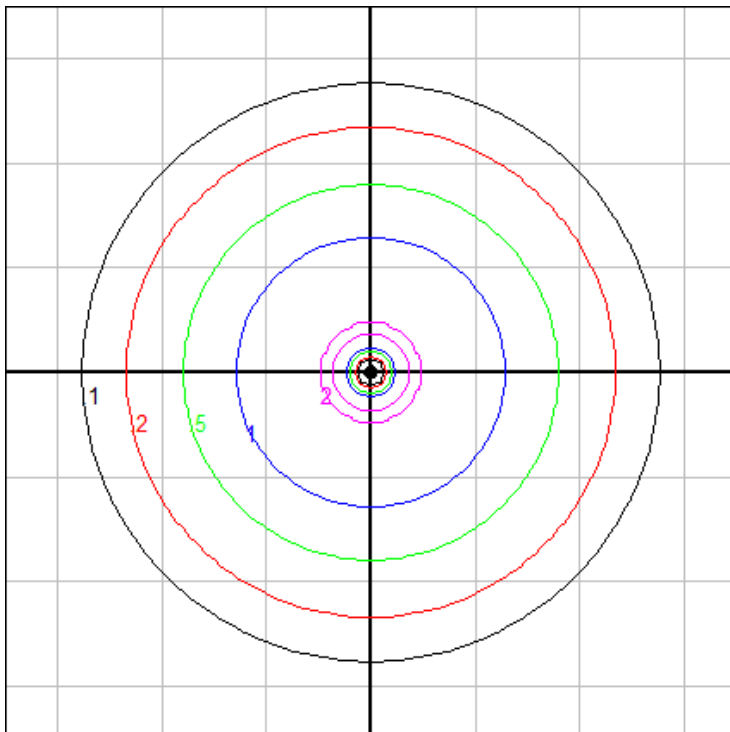
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6328
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1871.408 (0H, 60V)
Max. Cd. (<90 Vert.)	1871.408 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	9.604 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	277.242 (4.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

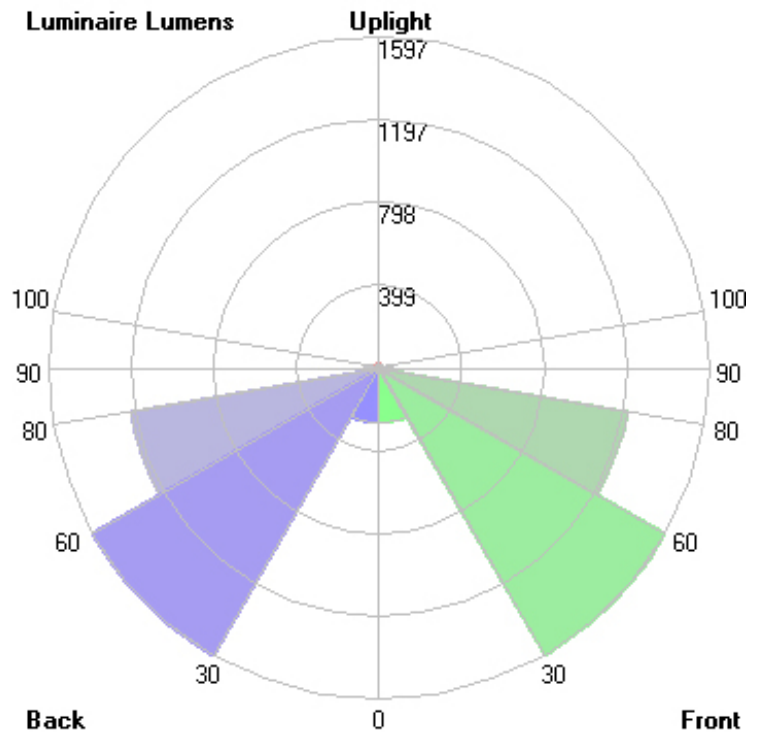
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	266.5	N.A.	4.2
FM (30-60)	1596.6	N.A.	25.2
FH (60-80)	1218.3	N.A.	19.3
FVH (80-90)	69.3	N.A.	1.1
BL (0-30)	266.5	N.A.	4.2
BM (30-60)	1596.6	N.A.	25.2
BH (60-80)	1218.3	N.A.	19.3
BVH (80-90)	69.3	N.A.	1.1
UL (90-100)	6.7	N.A.	0.1
UH (100-180)	19.9	N.A.	0.3
Total	6328.0	N.A.	100.0

BUG Rating B3-U2-G1



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

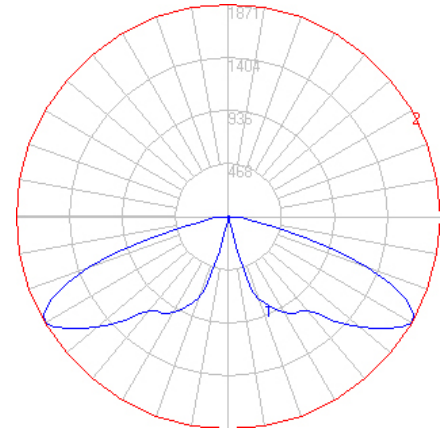
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BEGA

File: 84101K27_BEGA_IES.ies

TEST: BE_84101K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84101 K27
LAMP: 47.7W LED



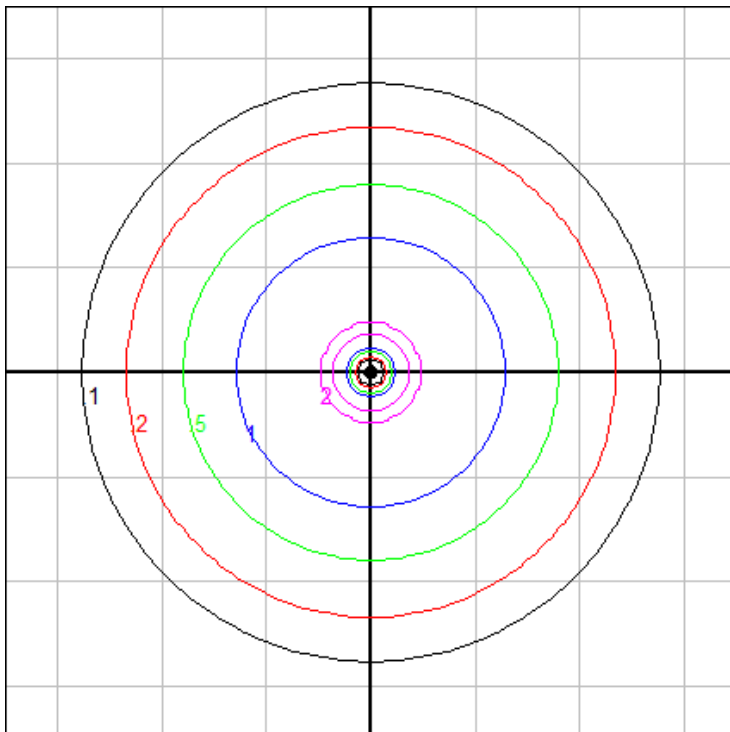
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6328
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1871.408 (0H, 60V)
Max. Cd. (<90 Vert.)	1871.408 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	9.604 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	277.242 (4.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

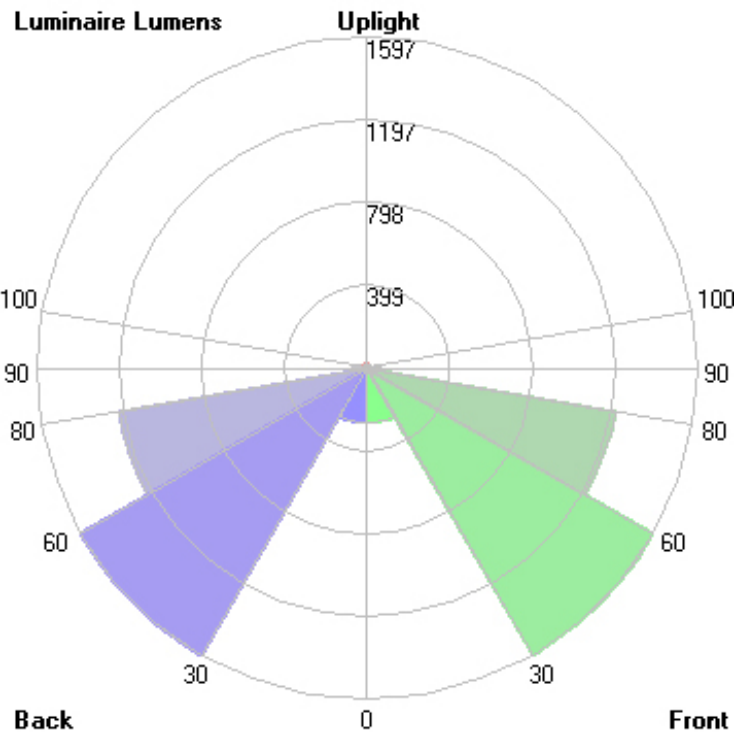
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	266.5	N.A.	4.2
FM (30-60)	1596.6	N.A.	25.2
FH (60-80)	1218.3	N.A.	19.3
FVH (80-90)	69.3	N.A.	1.1
BL (0-30)	266.5	N.A.	4.2
BM (30-60)	1596.6	N.A.	25.2
BH (60-80)	1218.3	N.A.	19.3
BVH (80-90)	69.3	N.A.	1.1
UL (90-100)	6.7	N.A.	0.1
UH (100-180)	19.9	N.A.	0.3
Total	6328.0	N.A.	100.0

BUG Rating B3-U2-G1



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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