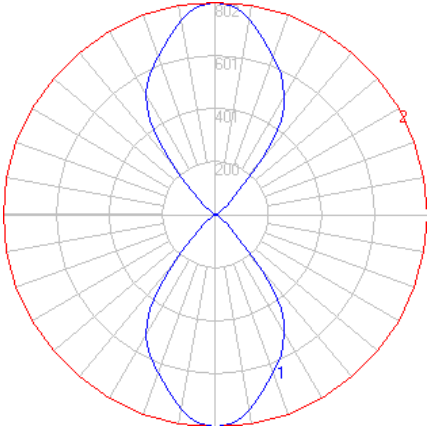


BEGA

File: 24617K4_BEGA_IES.ies

TEST: BE_24617K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 617K4
LAMP: 16.8W LED



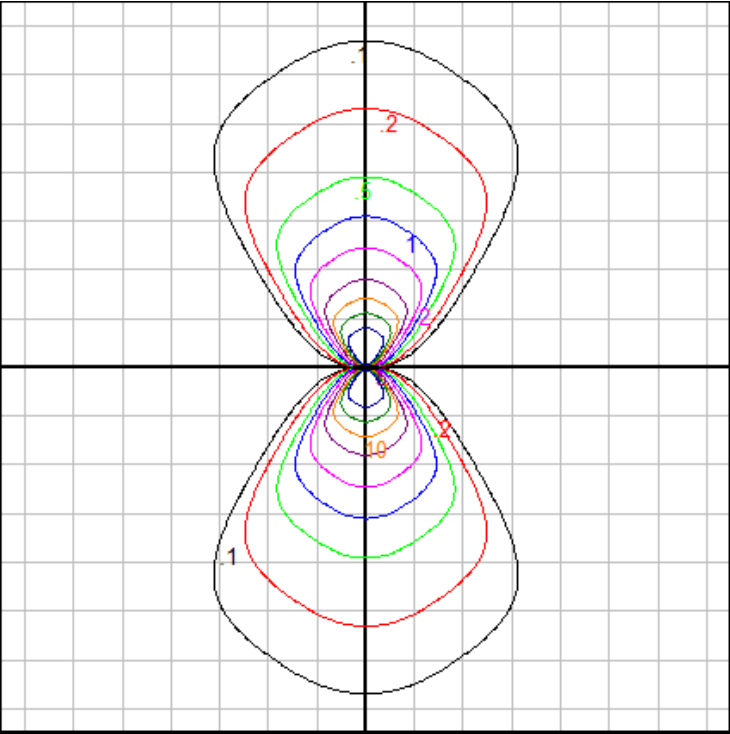
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1880
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	801.563 (0H, 180V)
Max. Cd. (<90 Vert.)	801.563 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.77 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	268.3	N.A.	14.3
FM (30-60)	196.4	N.A.	10.4
FH (60-80)	5.1	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	268.3	N.A.	14.3
BM (30-60)	196.4	N.A.	10.4
BH (60-80)	5.1	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.3	N.A.	0.0
UH (100-180)	939.5	N.A.	50.0
Total	1879.6	N.A.	100.0

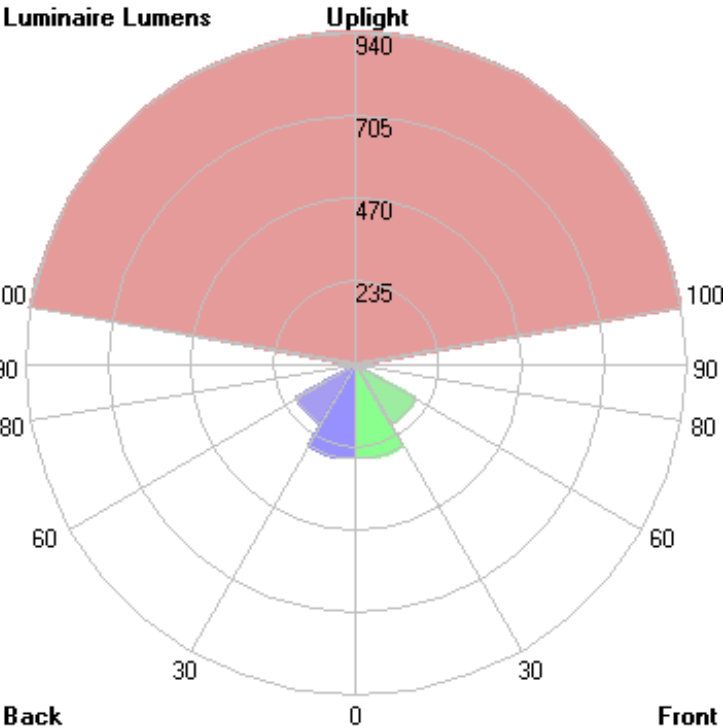
BUG Rating B1-U4-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.

Luminaire Lumens



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

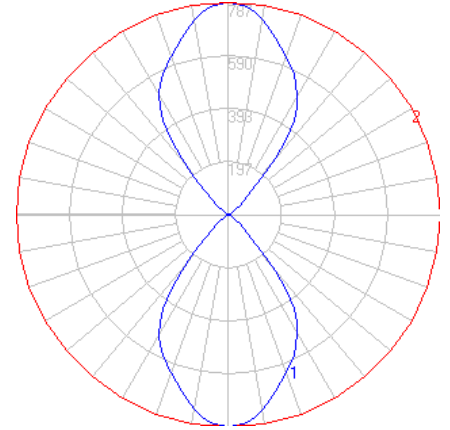
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BEGA

File: 24617K35_BEGA_IES.ies

TEST: BE_24617K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 617K35
LAMP: 16.8W LED



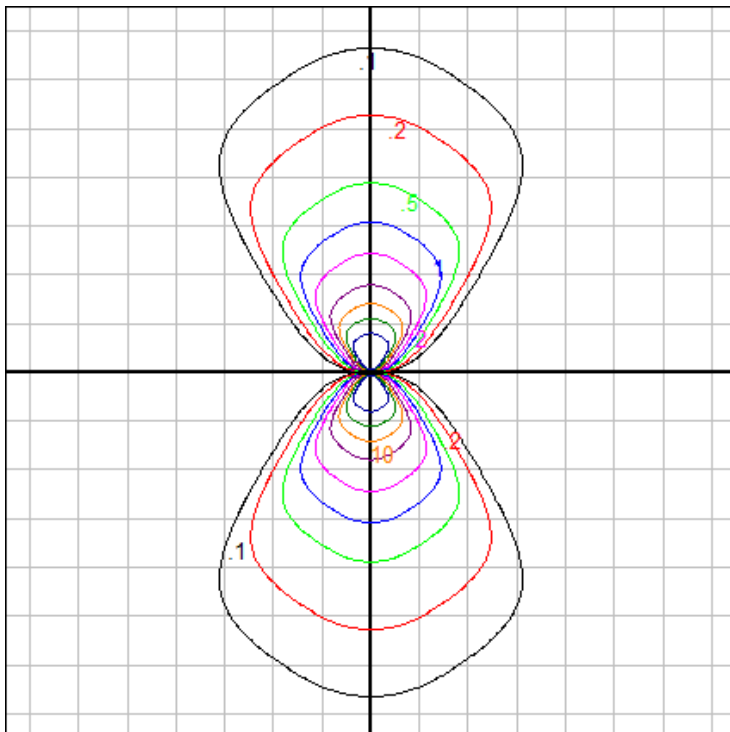
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1844
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	786.562 (0H, 180V)
Max. Cd. (<90 Vert.)	786.562 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.755 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

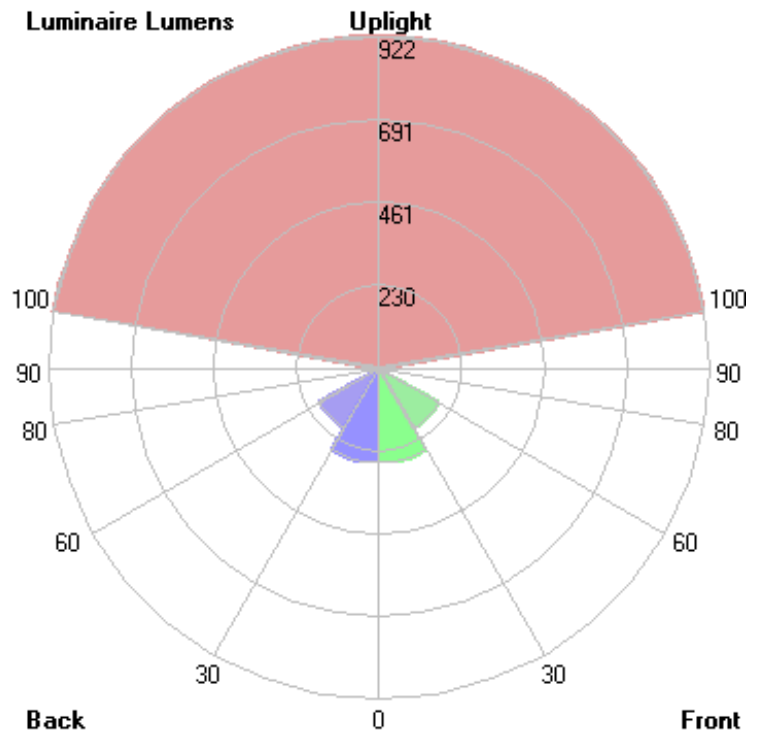
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	263.3	N.A.	14.3
FM (30-60)	192.7	N.A.	10.4
FH (60-80)	5.0	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	263.3	N.A.	14.3
BM (30-60)	192.7	N.A.	10.4
BH (60-80)	5.0	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.3	N.A.	0.0
UH (100-180)	921.9	N.A.	50.0
Total	1844.4	N.A.	100.0

BUG Rating B1-U4-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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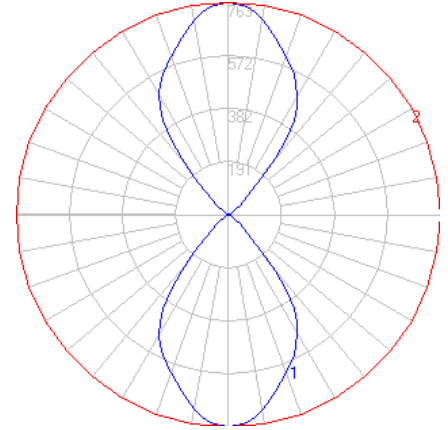
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File: 24617K3_BEGA_IES.ies

TEST: BE_24617K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 617K3
LAMP: 16.8W LED



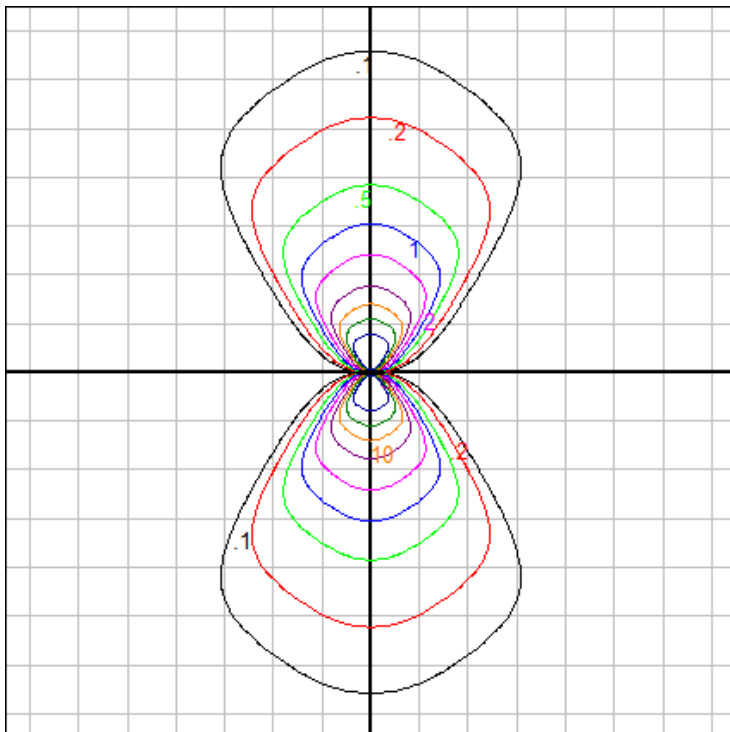
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1789
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	763.125 (0H, 180V)
Max. Cd. (<90 Vert.)	763.125 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.733 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

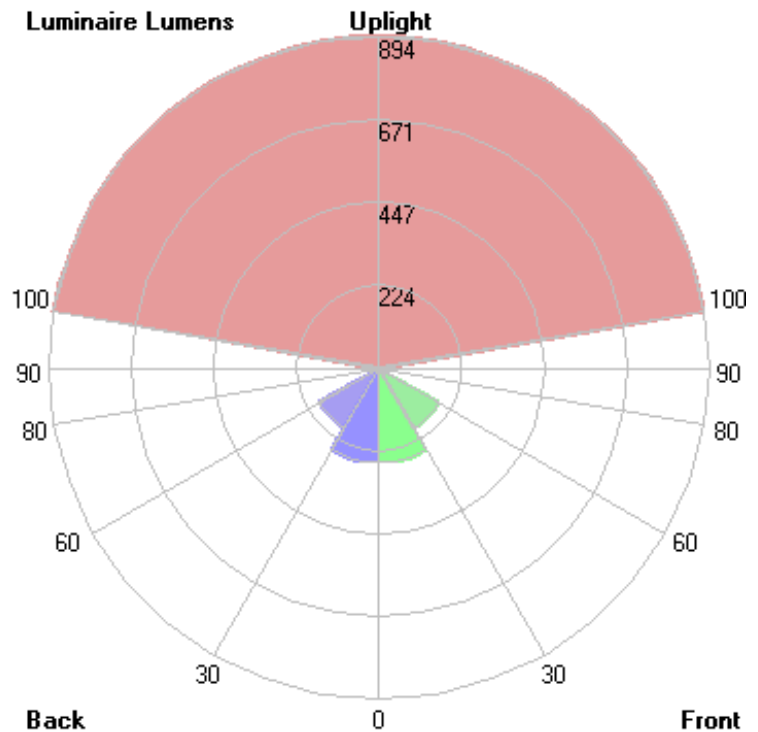
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	255.4	N.A.	14.3
FM (30-60)	187.0	N.A.	10.4
FH (60-80)	4.8	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	255.4	N.A.	14.3
BM (30-60)	187.0	N.A.	10.4
BH (60-80)	4.8	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.3	N.A.	0.0
UH (100-180)	894.5	N.A.	50.0
Total	1789.4	N.A.	100.0

BUG Rating B1-U4-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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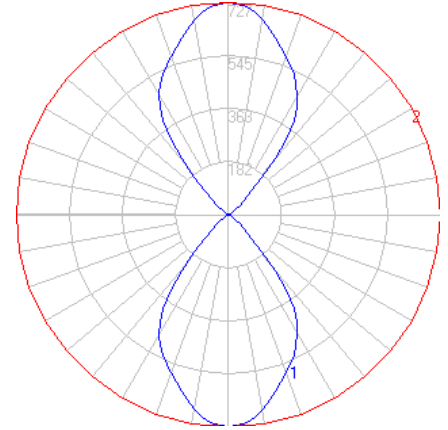
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BEGA

File: 24617K27_BEGA_IES.ies

TEST: BE_24617K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 617K27
LAMP: 16.8W LED



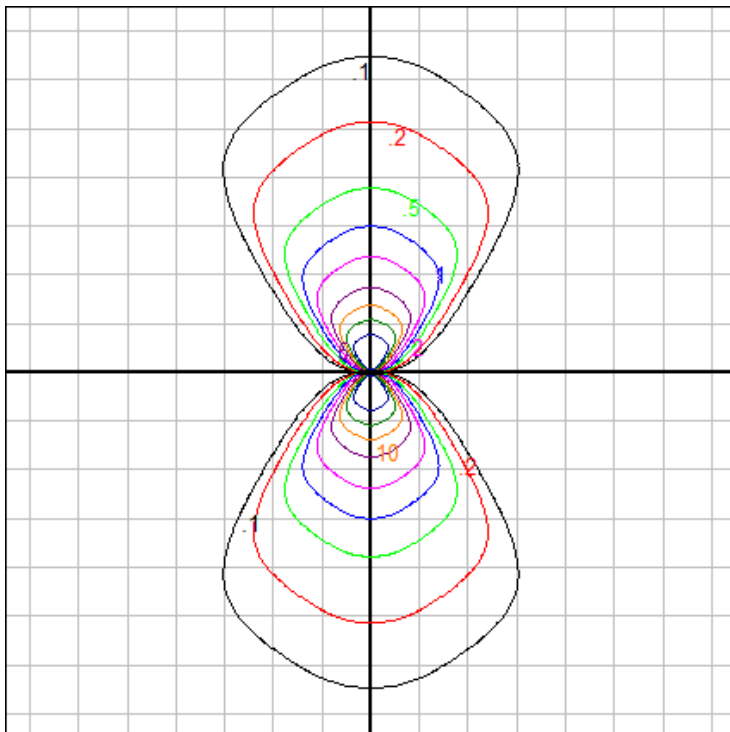
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1704
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	726.562 (0H, 180V)
Max. Cd. (<90 Vert.)	726.562 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.697 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

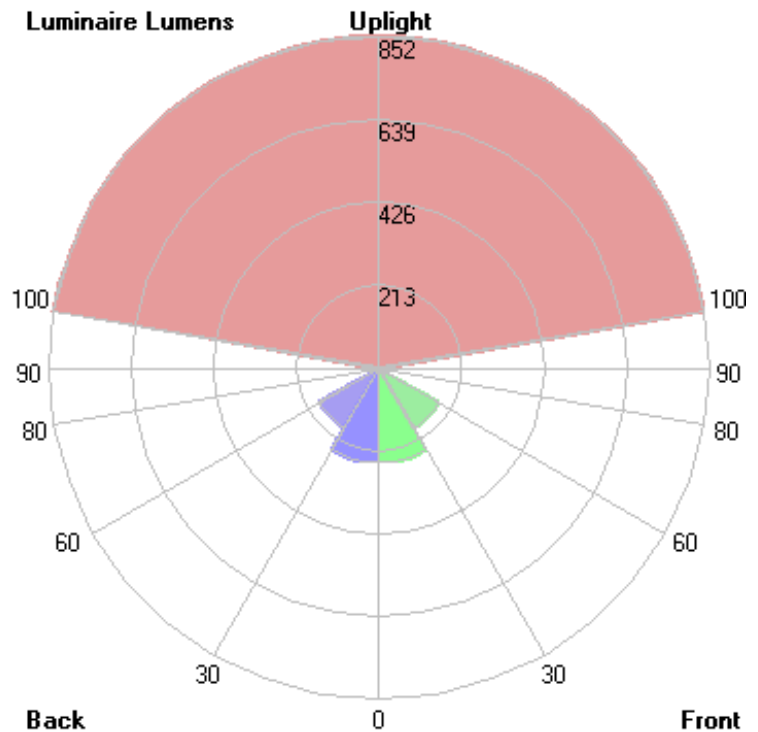
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	243.2	N.A.	14.3
FM (30-60)	178.0	N.A.	10.4
FH (60-80)	4.6	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	243.2	N.A.	14.3
BM (30-60)	178.0	N.A.	10.4
BH (60-80)	4.6	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.2	N.A.	0.0
UH (100-180)	851.6	N.A.	50.0
Total	1703.6	N.A.	100.0

BUG Rating B1-U4-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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