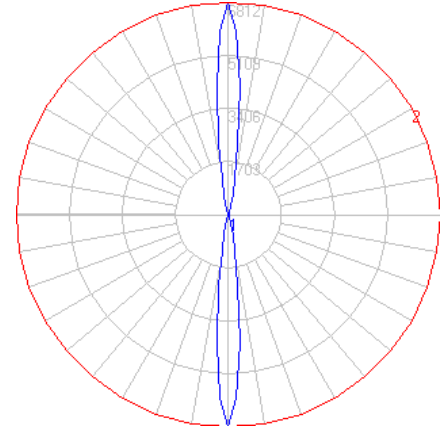


BEGA

File: 24616K4_BEGA_IES.ies

TEST: BE_24616K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 616K4
LAMP: 16.8W LED



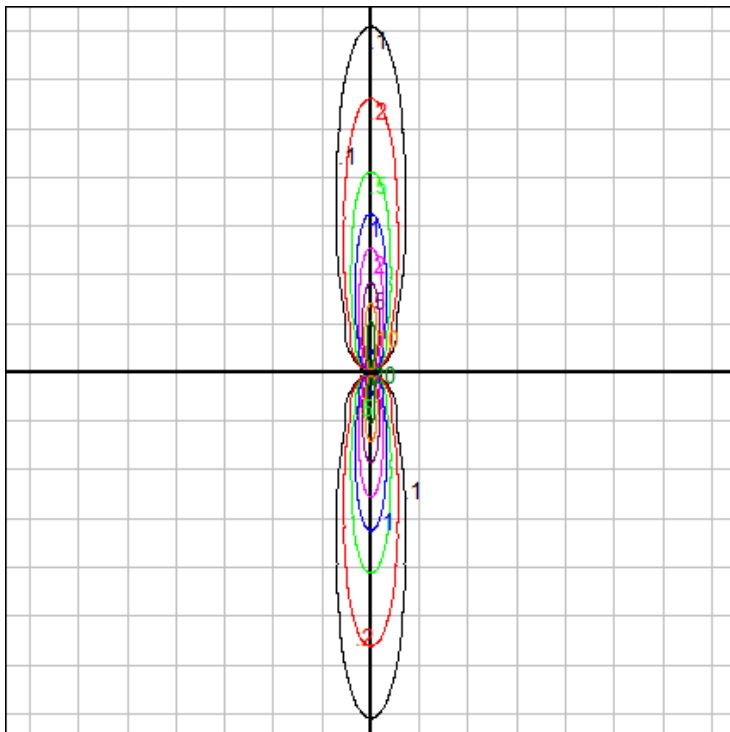
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	900
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	6812.384 (0H, 180V)
Max. Cd. (<90 Vert.)	6812.384 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

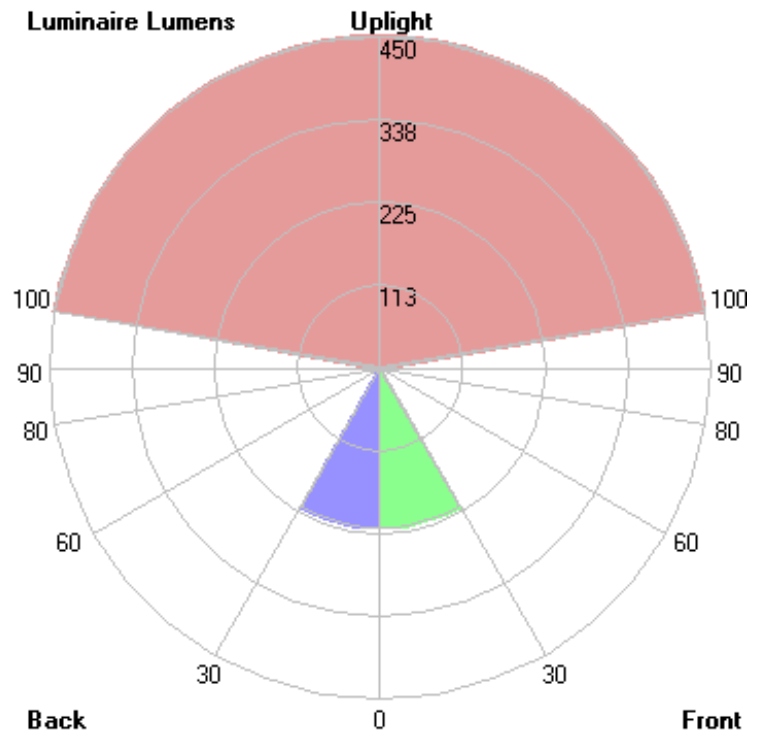
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	217.3	N.A.	24.1
FM (30-60)	7.5	N.A.	0.8
FH (60-80)	0.2	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	217.3	N.A.	24.1
BM (30-60)	7.5	N.A.	0.8
BH (60-80)	0.2	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	450.0	N.A.	50.0
Total	900.0	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 4 ft.



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

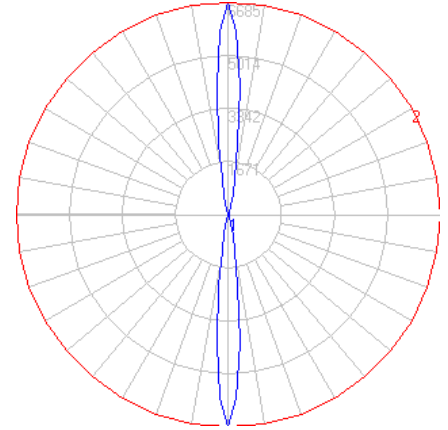
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BEGA

File: 24616K35_BEGA_IES.ies

TEST: BE_24616K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 616K35
LAMP: 16.8W LED



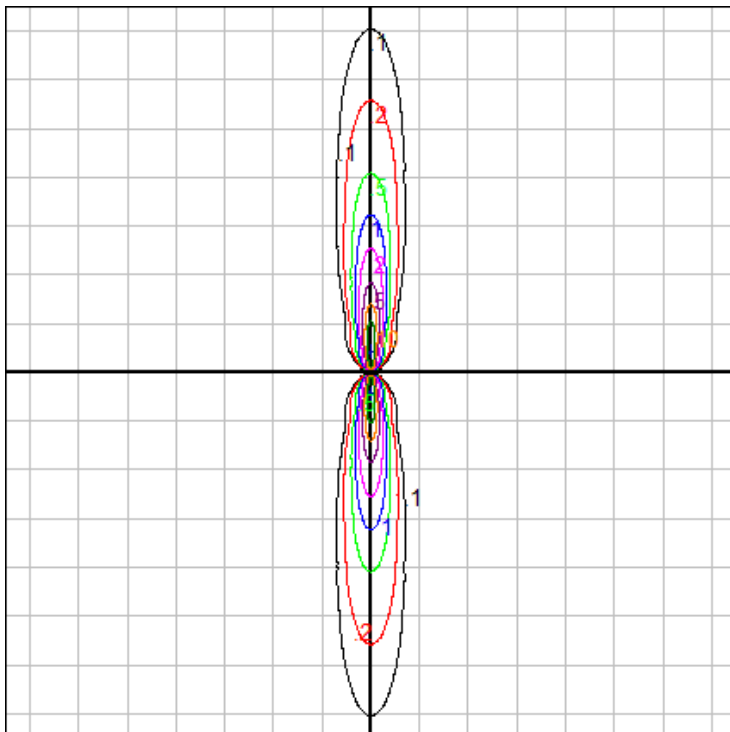
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	883
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	6684.9 (0H, 180V)
Max. Cd. (<90 Vert.)	6684.9 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

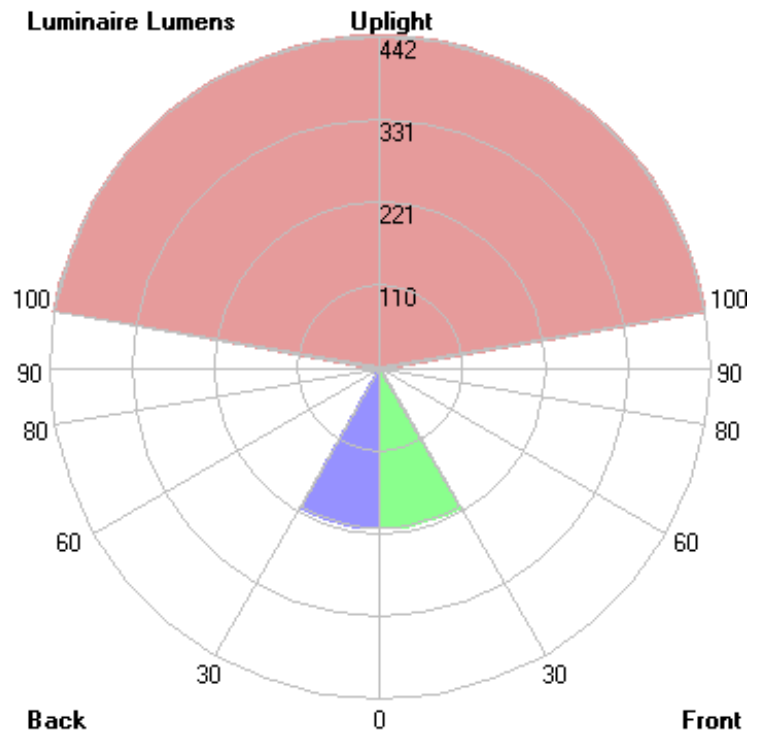
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	213.2	N.A.	24.1
FM (30-60)	7.4	N.A.	0.8
FH (60-80)	0.2	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	213.2	N.A.	24.1
BM (30-60)	7.4	N.A.	0.8
BH (60-80)	0.2	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	441.6	N.A.	50.0
Total	883.2	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 4 ft.



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

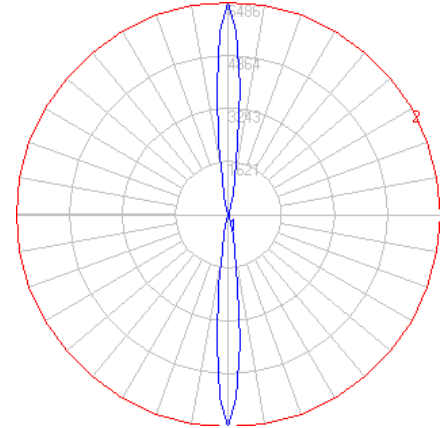
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BEGA

File: 24616K3_BEGA_IES.ies

TEST: BE_24616K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 616K3
LAMP: 16.8W LED



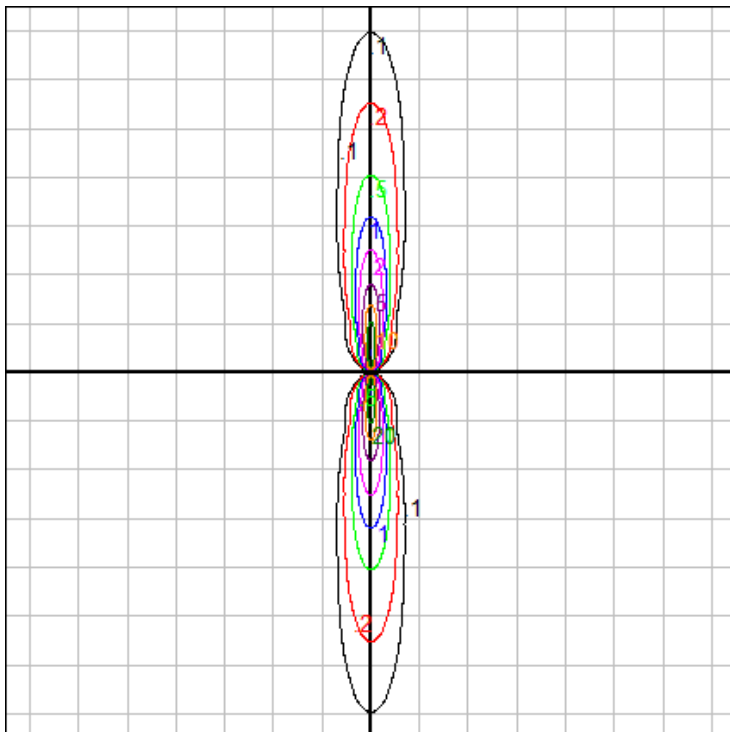
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	857
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	6485.708 (0H, 180V)
Max. Cd. (<90 Vert.)	6485.708 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

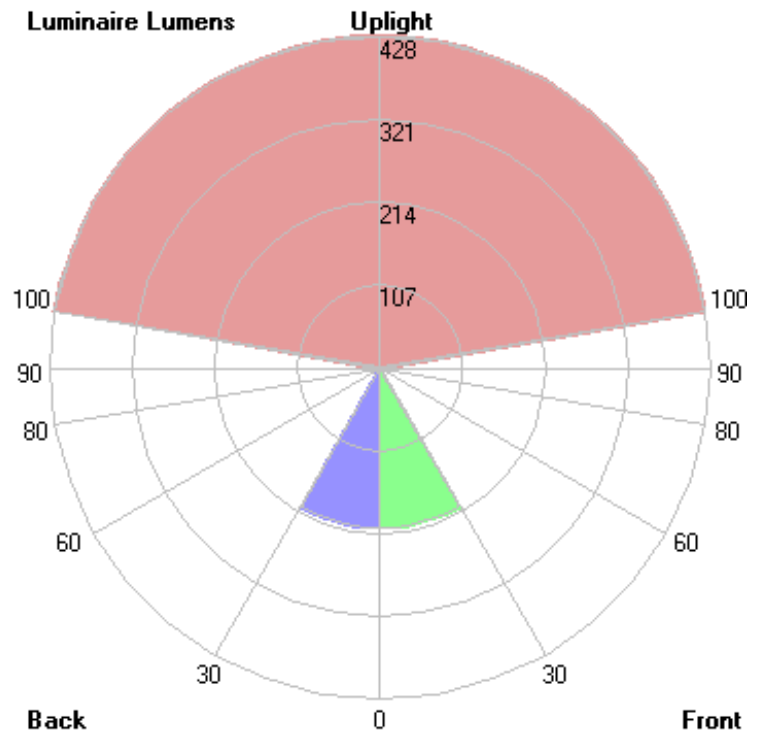
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	206.9	N.A.	24.1
FM (30-60)	7.2	N.A.	0.8
FH (60-80)	0.2	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	206.9	N.A.	24.1
BM (30-60)	7.2	N.A.	0.8
BH (60-80)	0.2	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	428.4	N.A.	50.0
Total	857.0	N.A.	100.0

BUG Rating **B1-U3-G0**



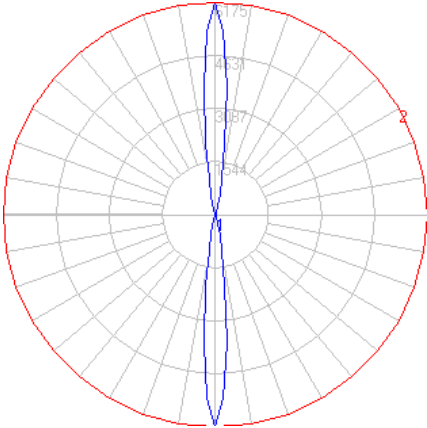
Isofootcandle grid on wall	Grid Spacing: 4 ft.
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BEGA

File: 24616K27_BEGA_IES.ies

TEST: BE_24616K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 616K27
LAMP: 16.8W LED



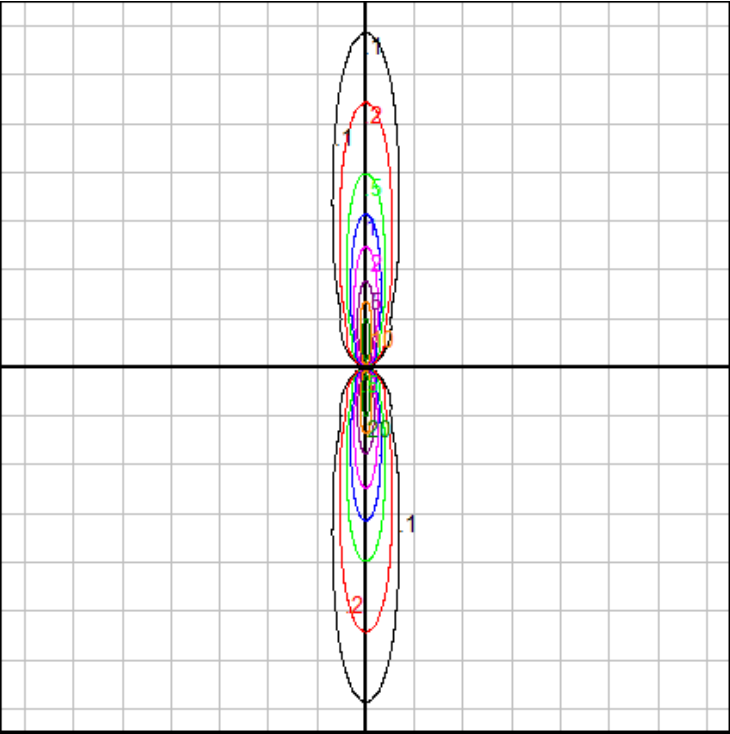
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	816
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	6174.967 (0H, 180V)
Max. Cd. (<90 Vert.)	6174.967 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	0 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

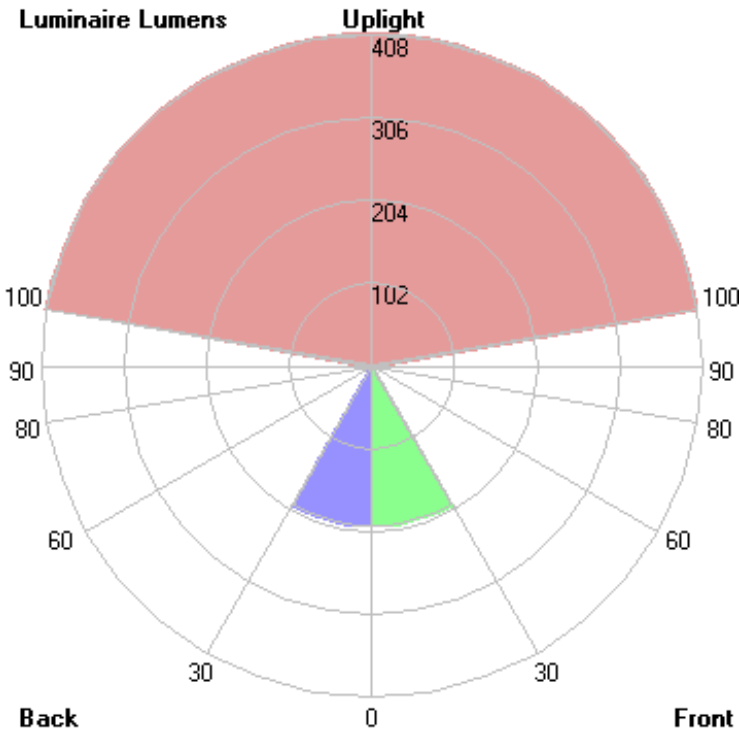
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	196.9	N.A.	24.1
FM (30-60)	6.8	N.A.	0.8
FH (60-80)	0.2	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	196.9	N.A.	24.1
BM (30-60)	6.8	N.A.	0.8
BH (60-80)	0.2	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	407.9	N.A.	50.0
Total	815.7	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 4 ft.



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