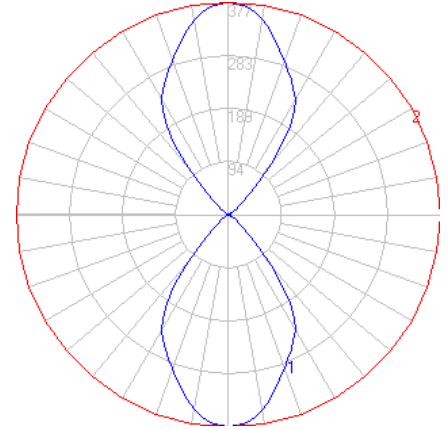


BEGA

File: 24614K4_BEGA_IES.ies

TEST: BE_24614K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 614K4
LAMP: 7.8W LED



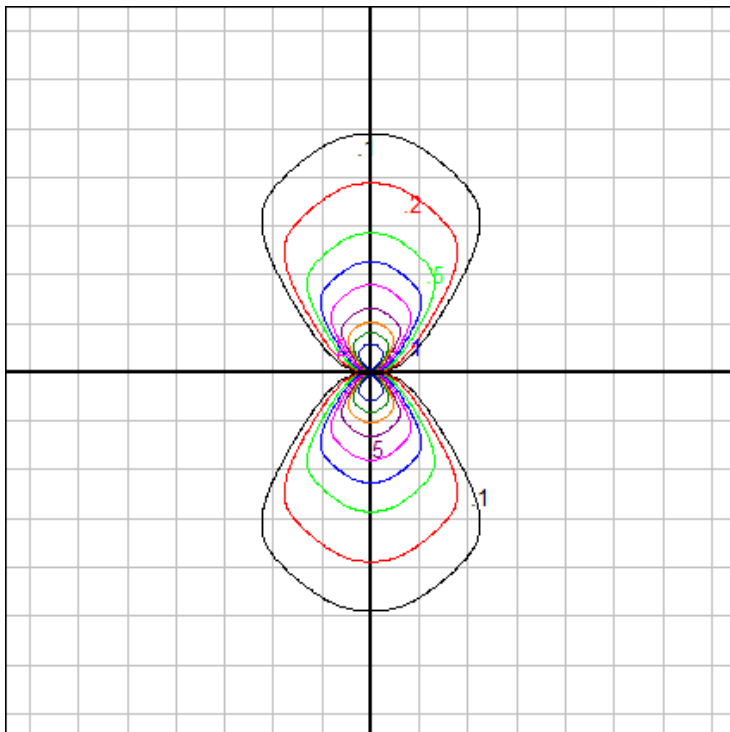
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	846
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	377.18 (0H, 180V)
Max. Cd. (<90 Vert.)	377.18 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.327 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

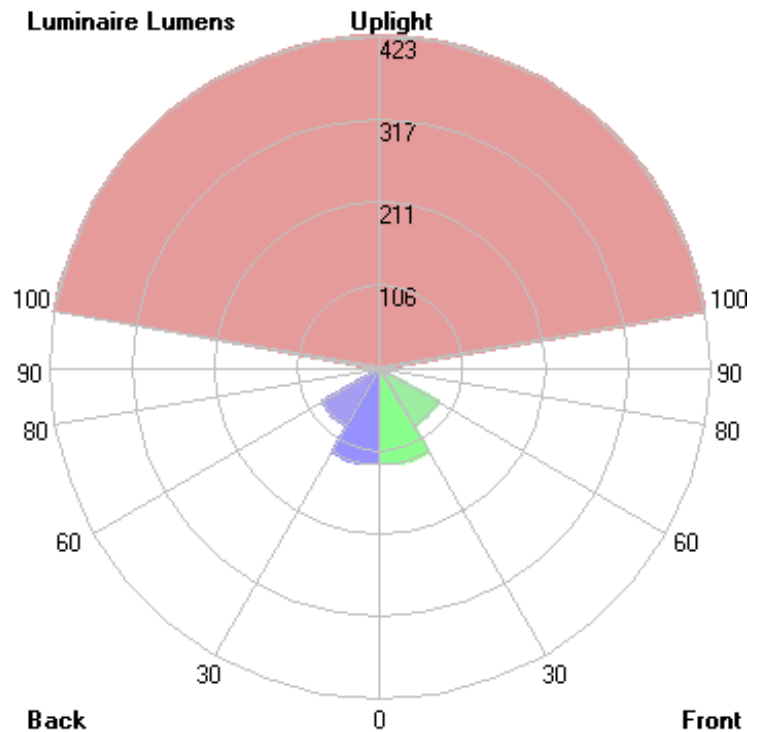
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	123.4	N.A.	14.6
FM (30-60)	85.9	N.A.	10.2
FH (60-80)	2.1	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	123.4	N.A.	14.6
BM (30-60)	85.9	N.A.	10.2
BH (60-80)	2.1	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	422.8	N.A.	50.0
Total	845.9	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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

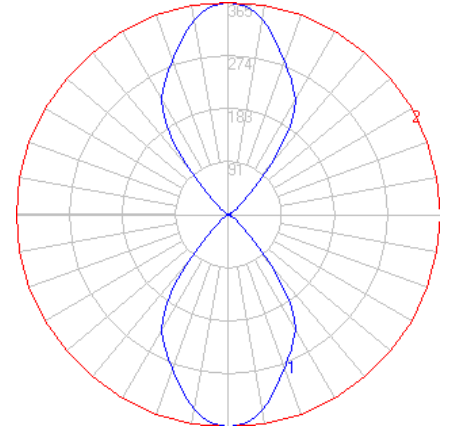
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BEGA

File: 24614K35_BEGA_IES.ies

TEST: BE_24614K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 614K35
LAMP: 7.8W LED



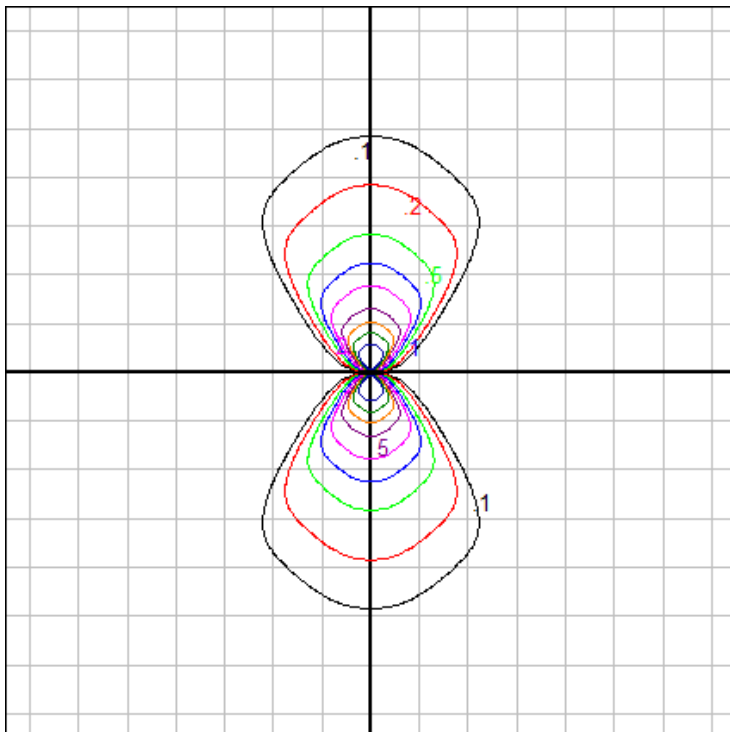
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	819
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	365.191 (0H, 180V)
Max. Cd. (<90 Vert.)	365.191 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.317 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

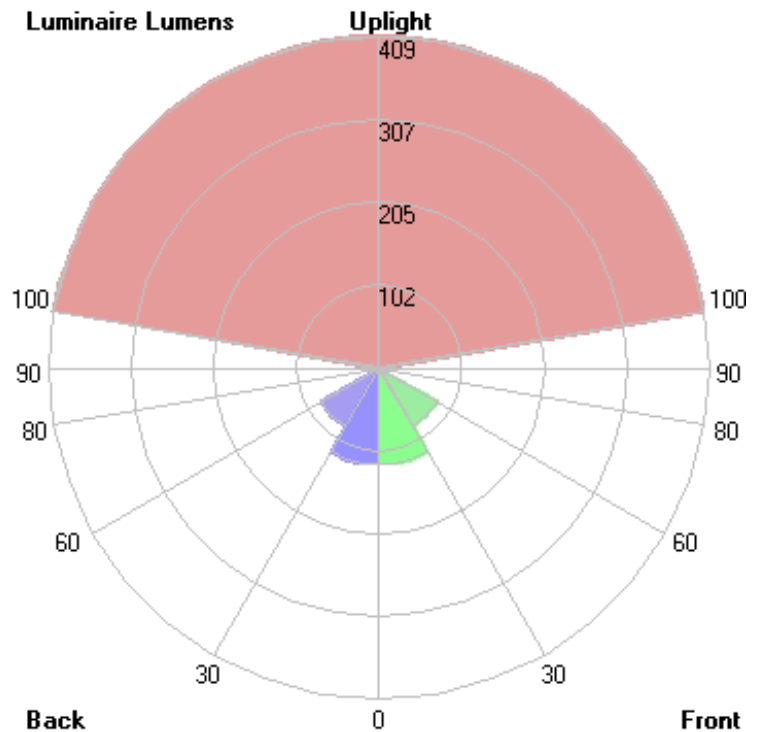
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	119.5	N.A.	14.6
FM (30-60)	83.1	N.A.	10.1
FH (60-80)	2.1	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	119.5	N.A.	14.6
BM (30-60)	83.1	N.A.	10.1
BH (60-80)	2.1	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	409.4	N.A.	50.0
Total	819.1	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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

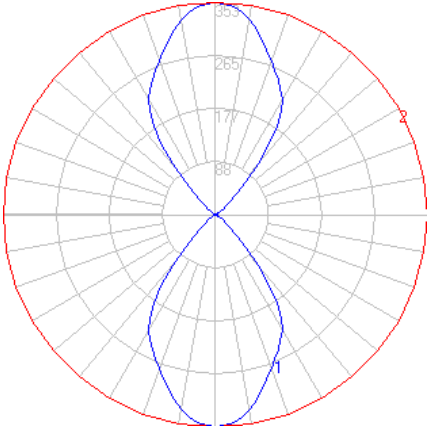
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File: 24614K3_BEGA_IES.ies

TEST: BE_24614K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 614K3
LAMP: 7.8W LED



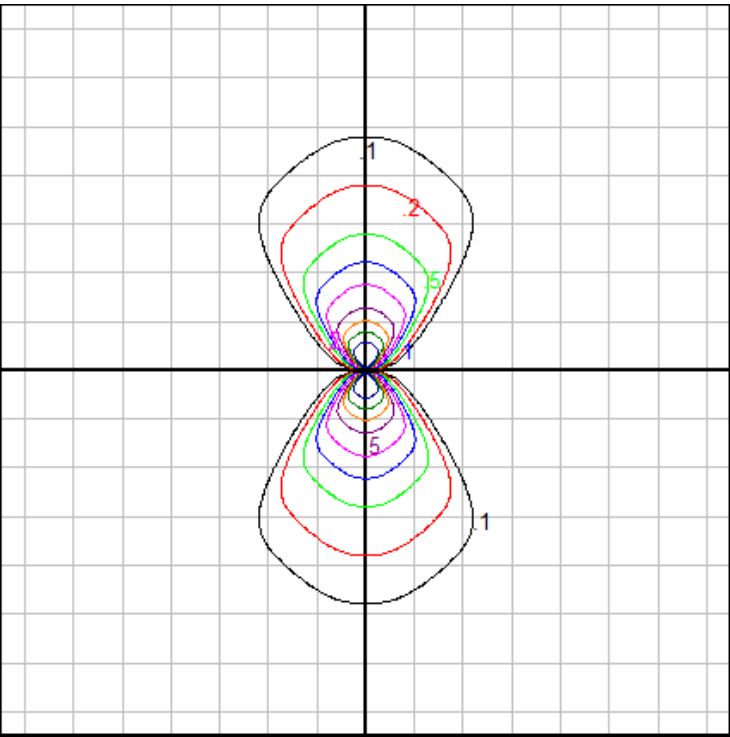
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	792
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	353.203 (0H, 180V)
Max. Cd. (<90 Vert.)	353.203 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.306 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

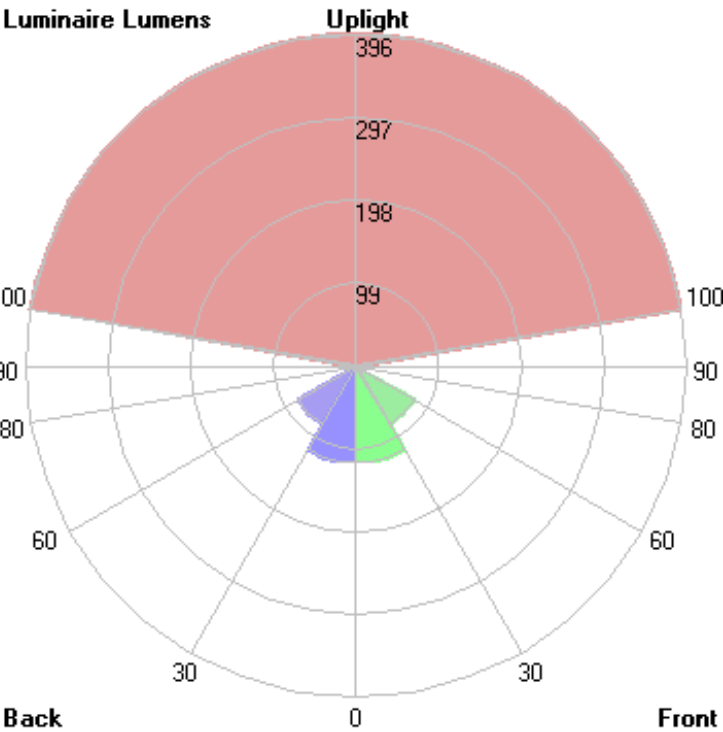
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	115.6	N.A.	14.6
FM (30-60)	80.4	N.A.	10.1
FH (60-80)	2.0	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	115.6	N.A.	14.6
BM (30-60)	80.4	N.A.	10.1
BH (60-80)	2.0	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	396.0	N.A.	50.0
Total	792.3	N.A.	100.0

BUG Rating B1-U3-G0



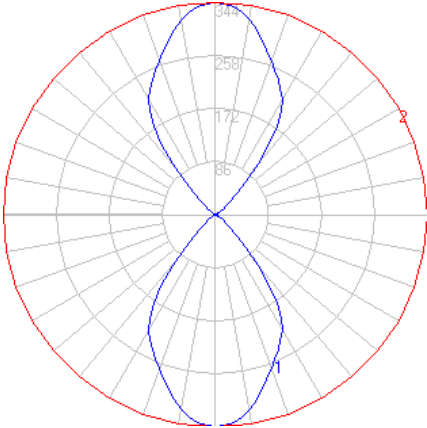
Isofootcandle grid on wall Grid Spacing: 2 ft.



BEGA

File: 24614K27_BEGA_IES.ies

TEST: BE_24614K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 614K27
LAMP: 7.8W LED



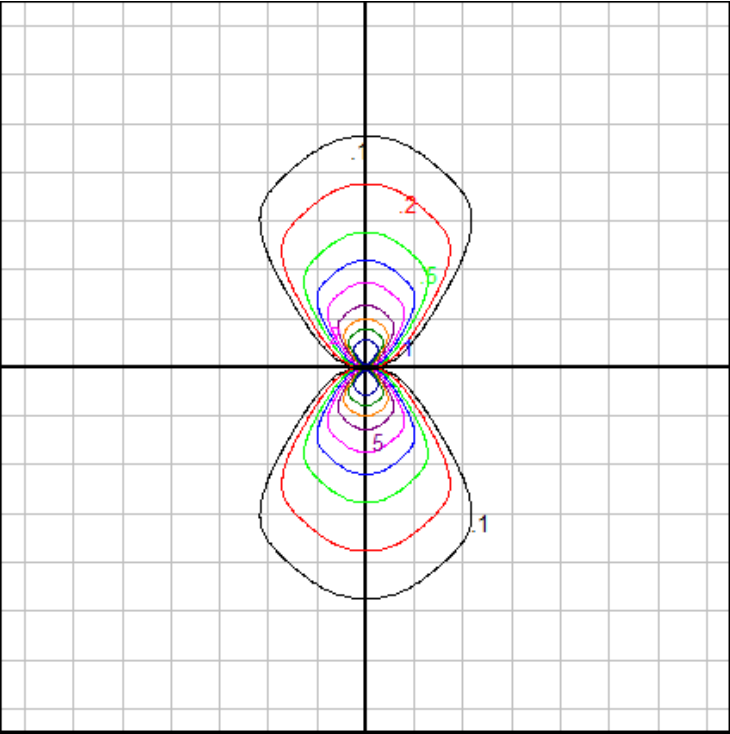
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	770
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	343.52 (0H, 180V)
Max. Cd. (<90 Vert.)	343.52 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.298 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

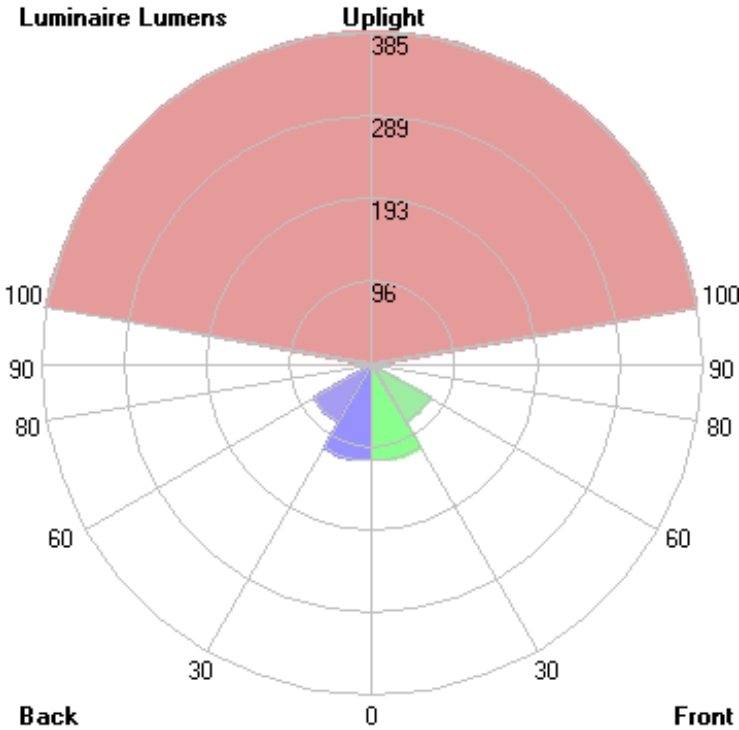
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	112.4	N.A.	14.6
FM (30-60)	78.2	N.A.	10.2
FH (60-80)	1.9	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	112.4	N.A.	14.6
BM (30-60)	78.2	N.A.	10.2
BH (60-80)	1.9	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	385.1	N.A.	50.0
Total	770.4	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall Grid Spacing: 2 ft.



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