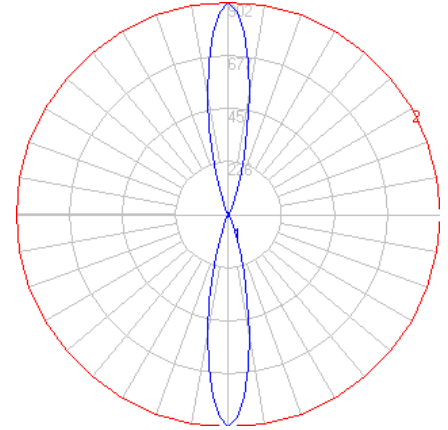


BEGA

File: 24613K4_BEGA_IES.ies

TEST: BE_24613K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 613K4
LAMP: 7.8W LED



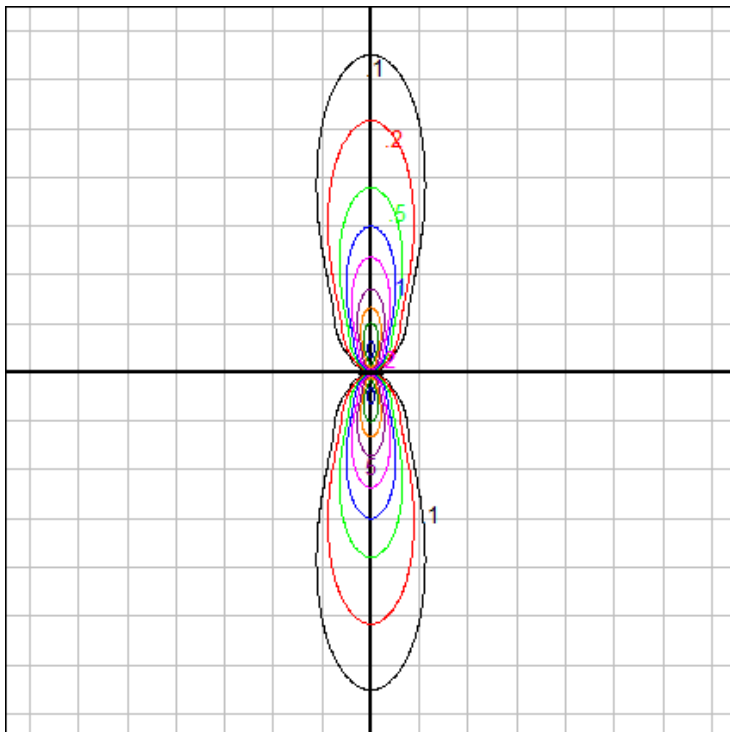
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	323
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	27
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	902.254 (0H, 180V)
Max. Cd. (<90 Vert.)	902.254 (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)

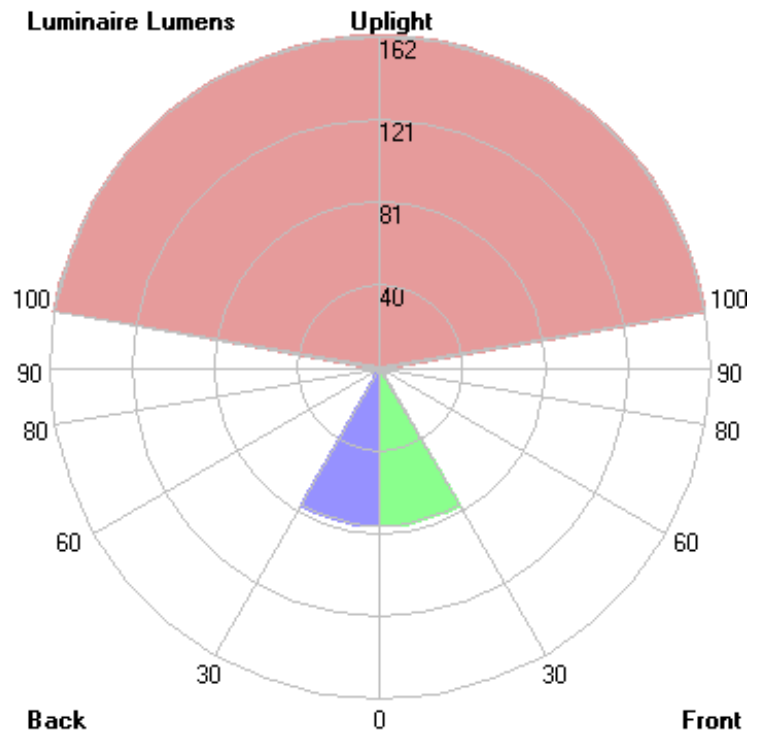
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	77.0	N.A.	23.8
FM (30-60)	3.8	N.A.	1.2
FH (60-80)	0.1	N.A.	0.0
FVH (80-90)	0.0	N.A.	0.0
BL (0-30)	77.0	N.A.	23.8
BM (30-60)	3.8	N.A.	1.2
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	161.6	N.A.	50.0
Total	323.4	N.A.	100.0

BUG Rating B0-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.

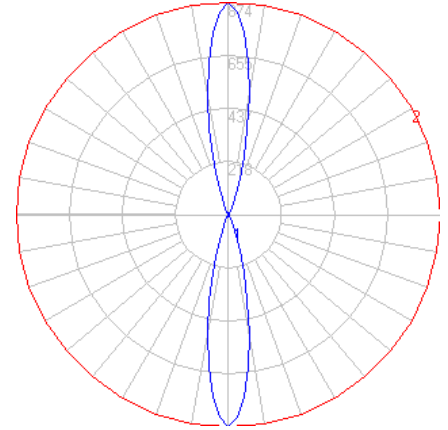
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BEGA

File: 24613K35_BEGA_IES.ies

TEST: BE_24613K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 613K35
LAMP: 7.8W LED



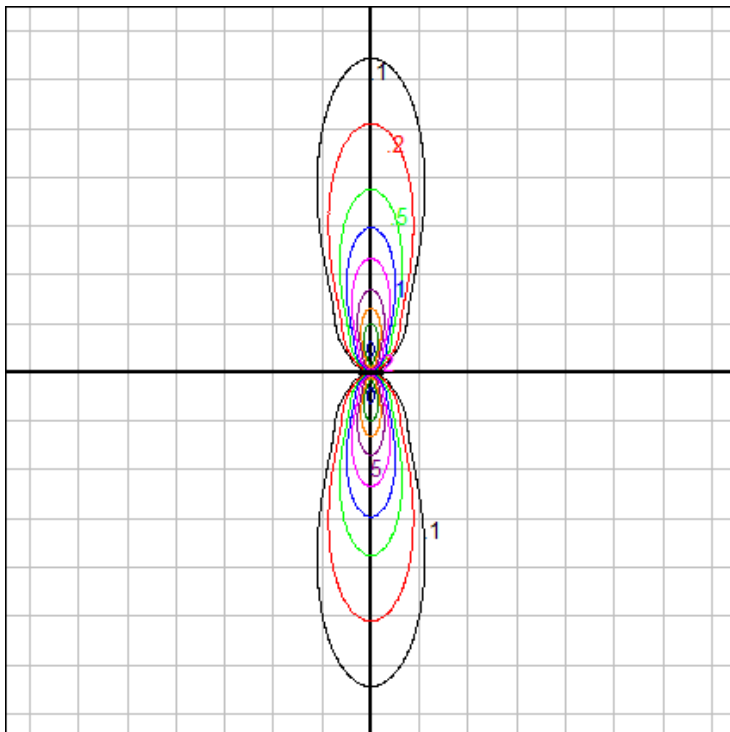
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	313
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	26
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	873.576 (0H, 180V)
Max. Cd. (<90 Vert.)	873.576 (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)

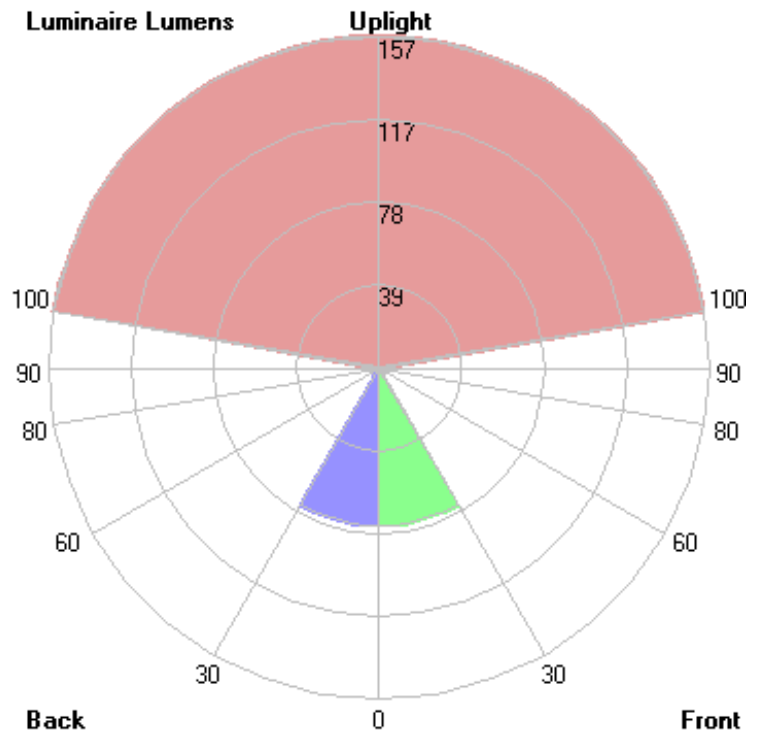
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	74.5	N.A.	23.8
FM (30-60)	3.6	N.A.	1.2
FH (60-80)	0.1	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	74.5	N.A.	23.8
BM (30-60)	3.6	N.A.	1.2
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	156.5	N.A.	50.0
Total	312.9	N.A.	100.0

BUG Rating B0-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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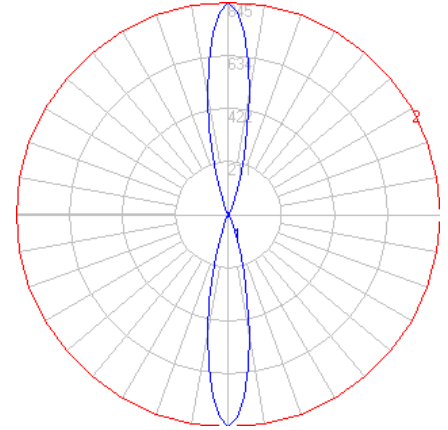
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File: 24613K3_BEGA_IES.ies

TEST: BE_24613K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 613K3
LAMP: 7.8W LED



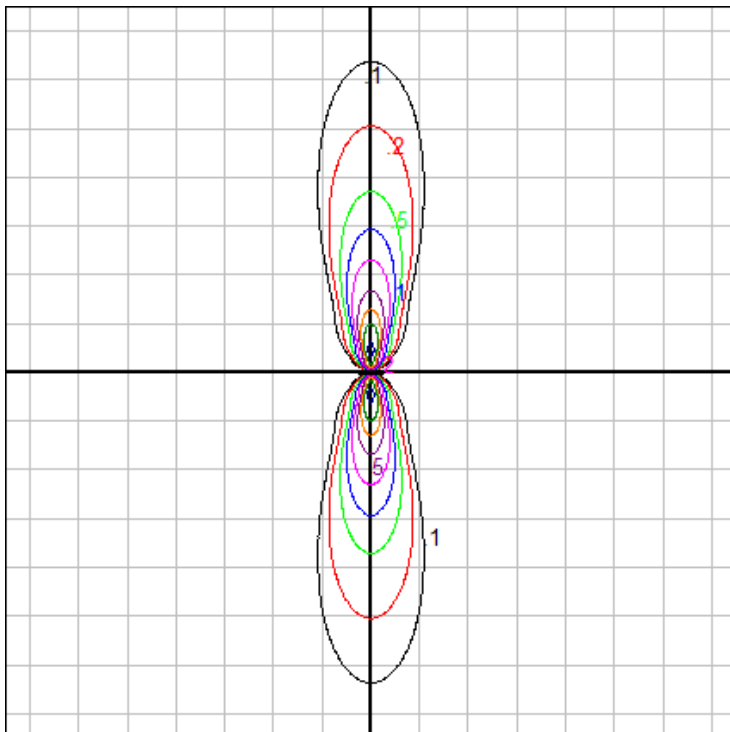
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	303
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	25
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	844.898 (0H, 180V)
Max. Cd. (<90 Vert.)	844.898 (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)

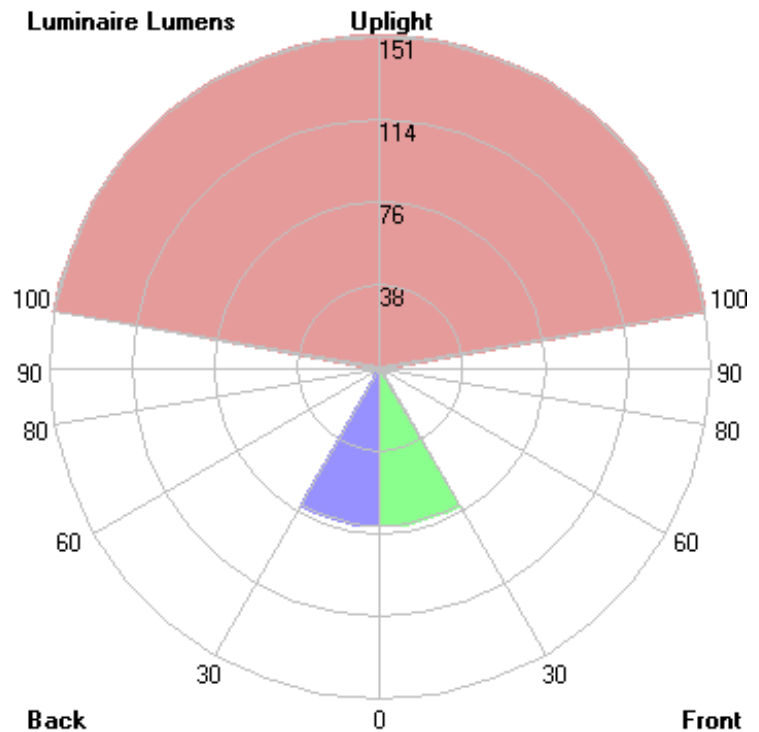
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	72.1	N.A.	23.8
FM (30-60)	3.5	N.A.	1.2
FH (60-80)	0.1	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	72.1	N.A.	23.8
BM (30-60)	3.5	N.A.	1.2
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	151.4	N.A.	50.0
Total	302.8	N.A.	100.0

BUG Rating B0-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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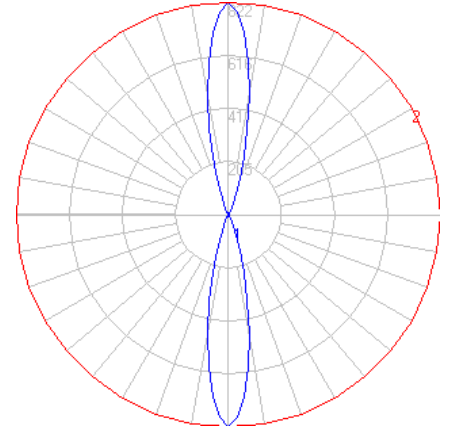
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File: 24613K27_BEGA_IES.ies

TEST: BE_24613K4
TEST LAB: BEGA
DATE: 03/12/2020
LUMINAIRE: 24 613K27
LAMP: 7.8W LED



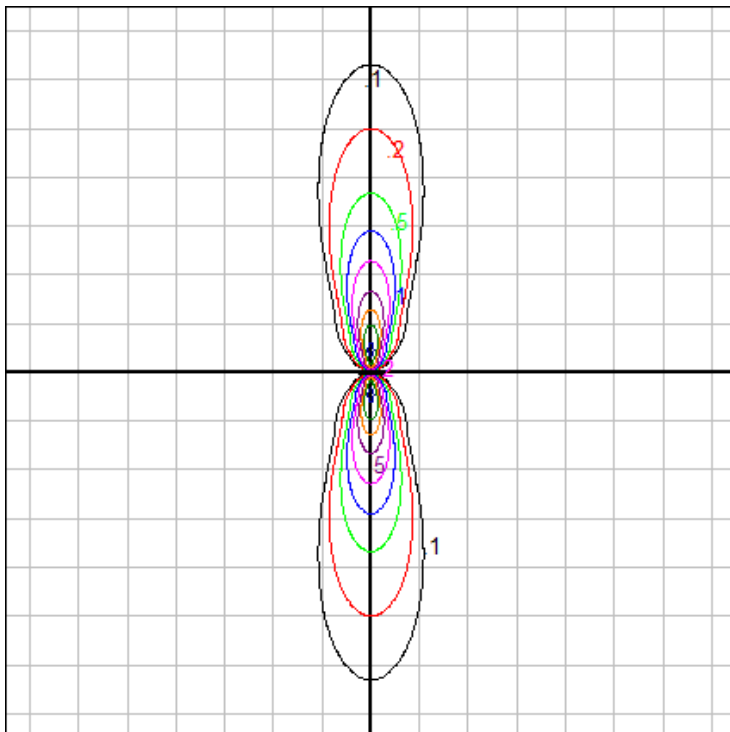
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	294
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	25
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	821.735 (0H, 180V)
Max. Cd. (<90 Vert.)	821.735 (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)

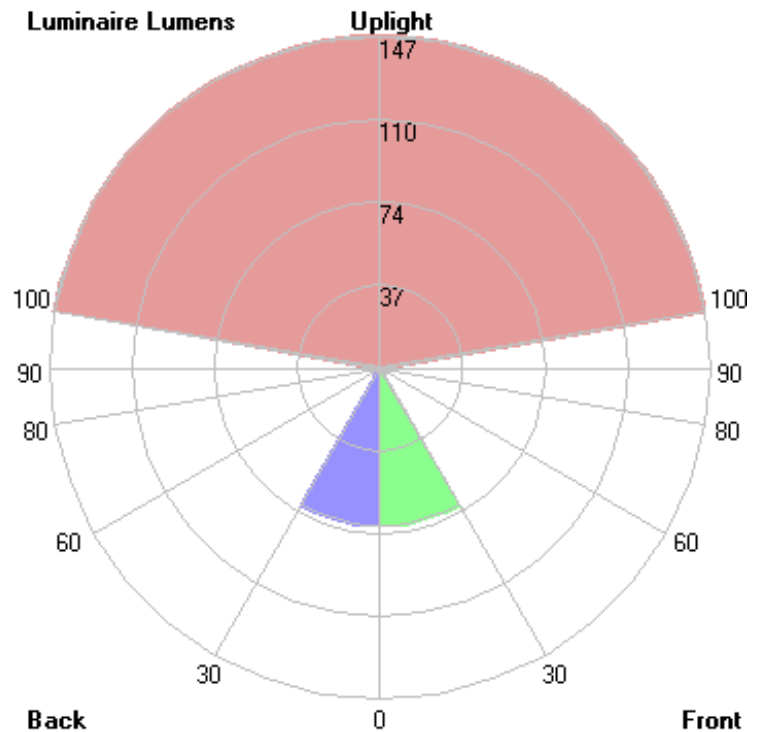
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	70.1	N.A.	23.8
FM (30-60)	3.4	N.A.	1.2
FH (60-80)	0.1	N.A.	0.0
FVH(80-90)	0.0	N.A.	0.0
BL (0-30)	70.1	N.A.	23.8
BM (30-60)	3.4	N.A.	1.2
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	147.2	N.A.	50.0
Total	294.4	N.A.	100.0

BUG Rating B0-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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