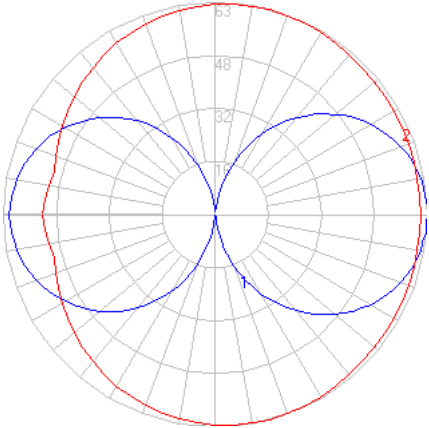


BEGA

File: 24849K4_BEGA_IES.ies

TEST: BE_24849K4
TEST LAB: BEGA
DATE: 09/29/2022
LUMINAIRE: 24 849K4
LAMP: 4.7W LED



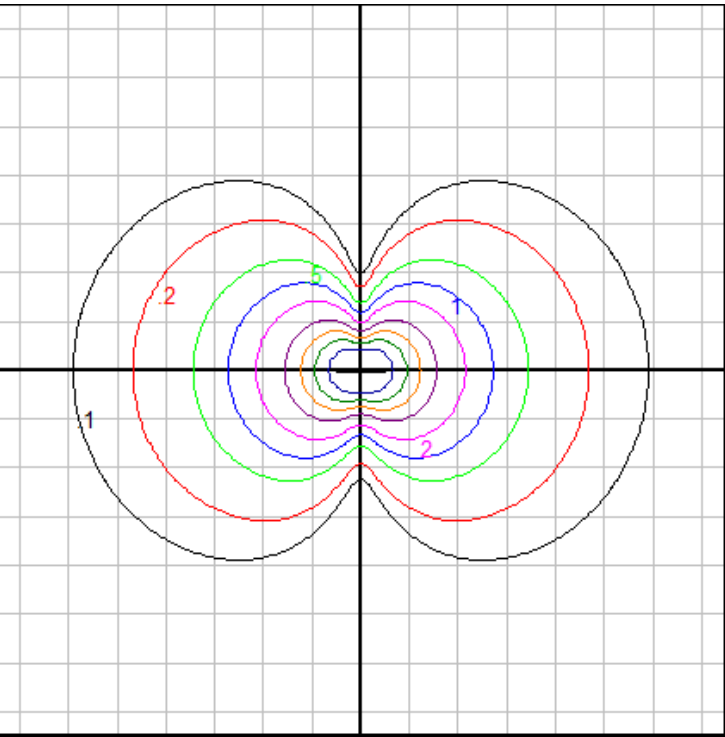
Characteristics

Characteristics	
IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	559
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	7.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	63.494 (75H, 92.5V)
Max. Cd. (<90 Vert.)	63.388 (80H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	63.494 (11.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	63.388 (11.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

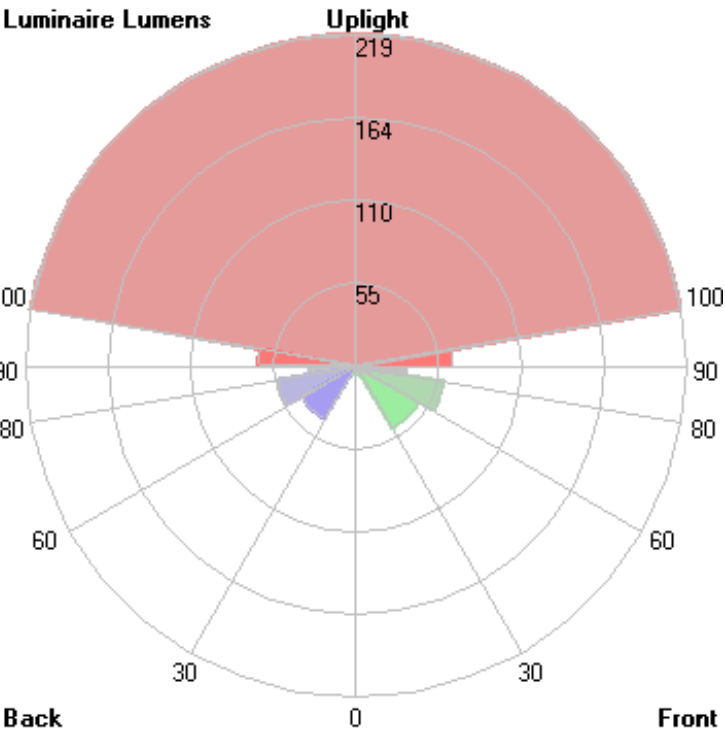
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	6.6	N.A.	1.2
FM (30-60)	48.0	N.A.	8.6
FH (60-80)	59.1	N.A.	10.6
FVH(80-90)	33.8	N.A.	6.0
BL (0-30)	5.2	N.A.	0.9
BM (30-60)	40.7	N.A.	7.3
BH (60-80)	52.1	N.A.	9.3
BVH(80-90)	30.3	N.A.	5.4
UL (90-100)	64.4	N.A.	11.5
UH (100-180)	219.2	N.A.	39.2
Total	559.4	N.A.	100.0

BUG Rating B0-U3-G1



Isofootcandle diagram on wall Grid Spacing: 1 ft.

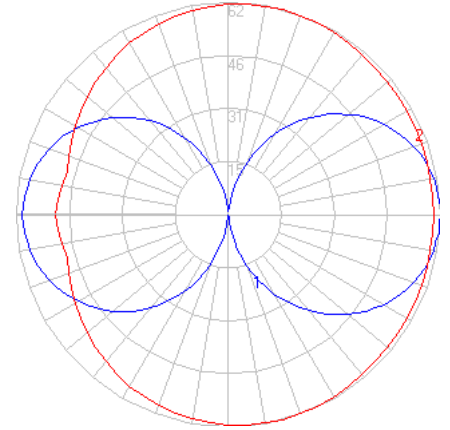


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24849K35_BEGA_IES.ies

TEST: BE_24849K4
TEST LAB: BEGA
DATE: 09/29/2022
LUMINAIRE: 24 849K35
LAMP: 4.7W LED



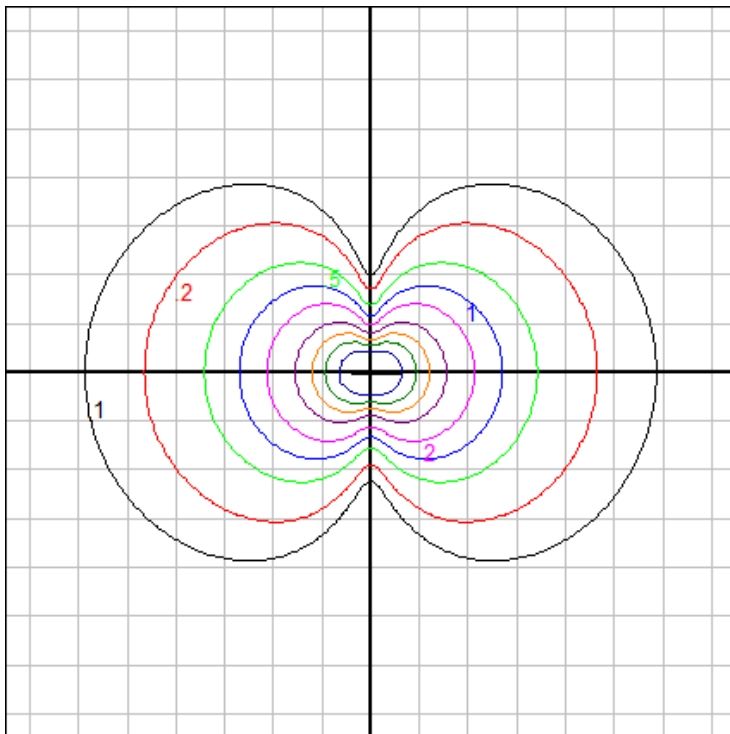
Characteristics

ES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	544
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	7.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	61.697 (75H, 92.5V)
Max. Cd. (<90 Vert.)	61.594 (80H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	61.697 (11.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	61.594 (11.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

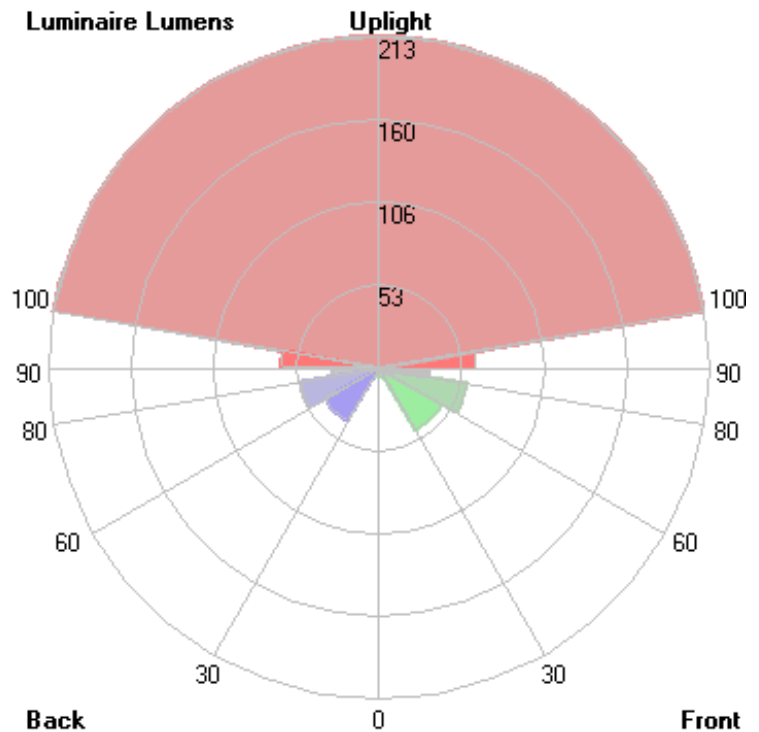
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	6.4	N.A.	1.2
FM (30-60)	46.6	N.A.	8.6
FH (60-80)	57.5	N.A.	10.6
FVH(80-90)	32.9	N.A.	6.0
BL (0-30)	5.1	N.A.	0.9
BM (30-60)	39.6	N.A.	7.3
BH (60-80)	50.6	N.A.	9.3
BVH(80-90)	29.5	N.A.	5.4
UL (90-100)	62.6	N.A.	11.5
UH (100-180)	213.0	N.A.	39.2
Total	543.8	N.A.	100.0

BUG Rating B0-U3-G1



Isofootcandle diagram on wall Grid Spacing: 1 ft.



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

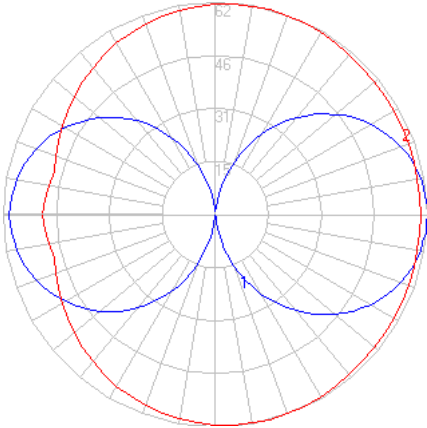
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2025

12/02/25

BEGA

File: 24849K3_BEGA_IES.ies

TEST: BE_24849K4
TEST LAB: BEGA
DATE: 09/29/2022
LUMINAIRE: 24 849K3
LAMP: 4.7W LED



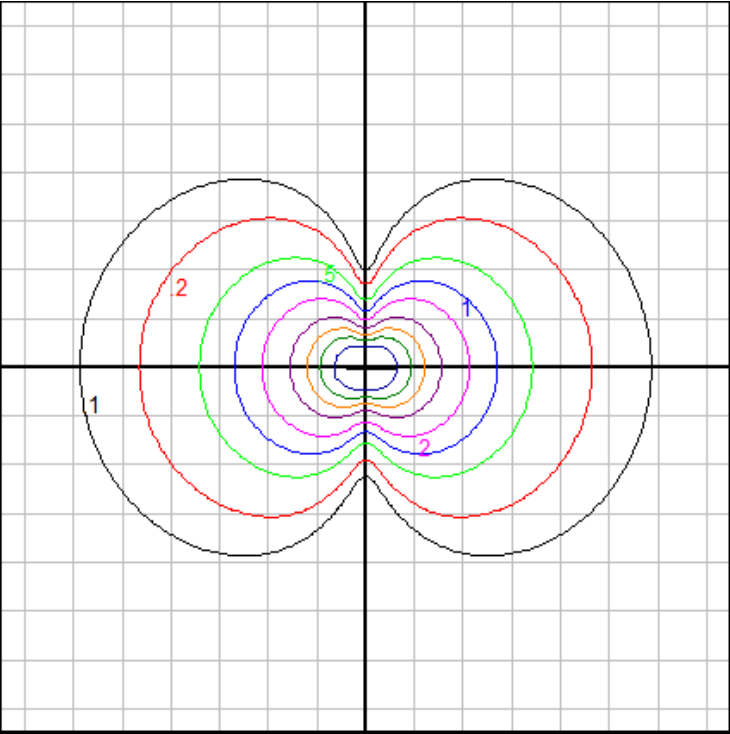
Characteristics

ES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	528
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	7.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	59.9 (75H, 92.5V)
Max. Cd. (<90 Vert.)	59.8 (80H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	59.9 (11.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	59.8 (11.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

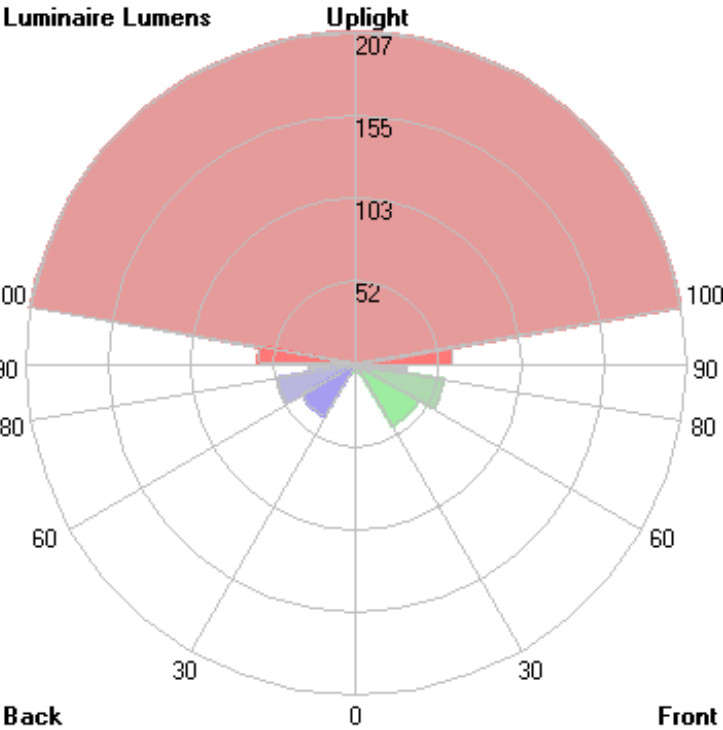
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	6.2	N.A.	1.2
FM (30-60)	45.3	N.A.	8.6
FH (60-80)	55.8	N.A.	10.6
FVH(80-90)	31.9	N.A.	6.0
BL (0-30)	4.9	N.A.	0.9
BM (30-60)	38.4	N.A.	7.3
BH (60-80)	49.1	N.A.	9.3
BVH(80-90)	28.6	N.A.	5.4
UL (90-100)	60.8	N.A.	11.5
UH (100-180)	206.8	N.A.	39.2
Total	527.8	N.A.	100.0

BUG Rating B0-U3-G1



Isofootcandle diagram on wall Grid Spacing: 1 ft.

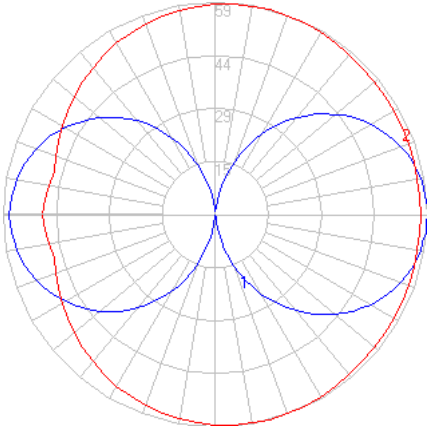


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24849K27_BEGA_IES.ies

TEST: BE_24849K4
TEST LAB: BEGA
DATE: 09/29/2022
LUMINAIRE: 24 849K27
LAMP: 4.7W LED



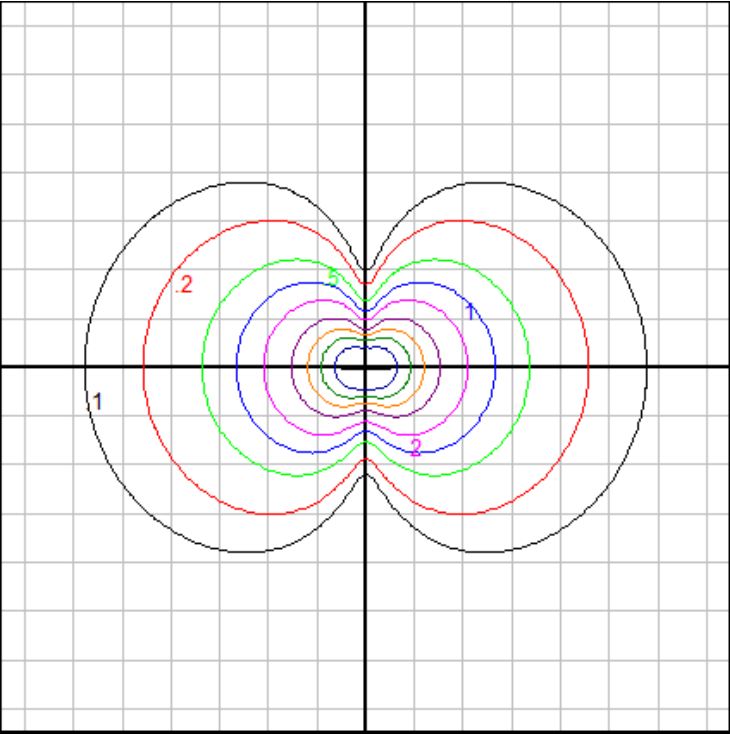
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	517
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	7.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	58.702 (75H, 92.5V)
Max. Cd. (<90 Vert.)	58.604 (80H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	58.702 (11.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	58.604 (11.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

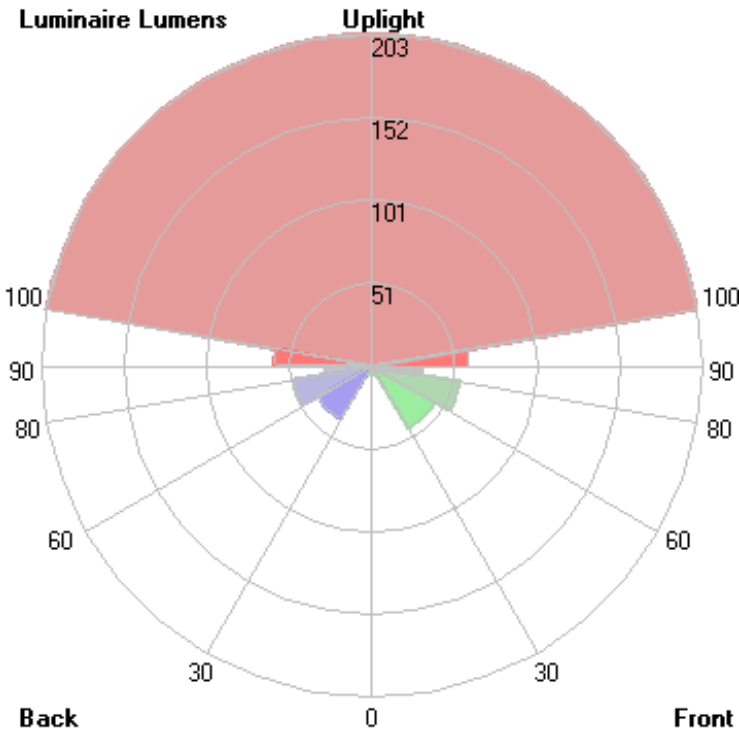
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	6.1	N.A.	1.2
FM (30-60)	44.4	N.A.	8.6
FH (60-80)	54.7	N.A.	10.6
FVH(80-90)	31.3	N.A.	6.0
BL (0-30)	4.8	N.A.	0.9
BM (30-60)	37.6	N.A.	7.3
BH (60-80)	48.2	N.A.	9.3
BVH(80-90)	28.0	N.A.	5.4
UL (90-100)	59.6	N.A.	11.5
UH (100-180)	202.6	N.A.	39.2
Total	517.3	N.A.	100.0

BUG Rating B0-U3-G1



Isofootcandle diagram on wall Grid Spacing: 1 ft.



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