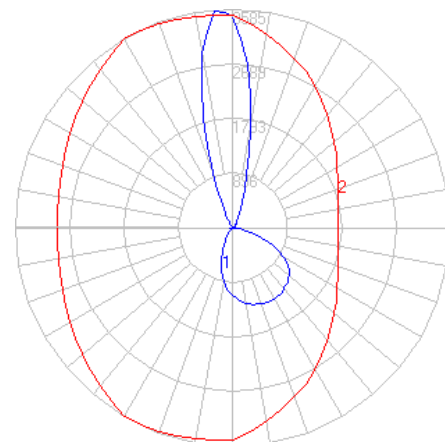


# BEGA

File: 24643K4\_BEGA\_IES.ies

TEST: BE\_24643K4  
 TEST LAB: BEGA  
 DATE: 7/13/2021  
 LUMINAIRE: 24 643K4  
 LAMP: 46.4W LED



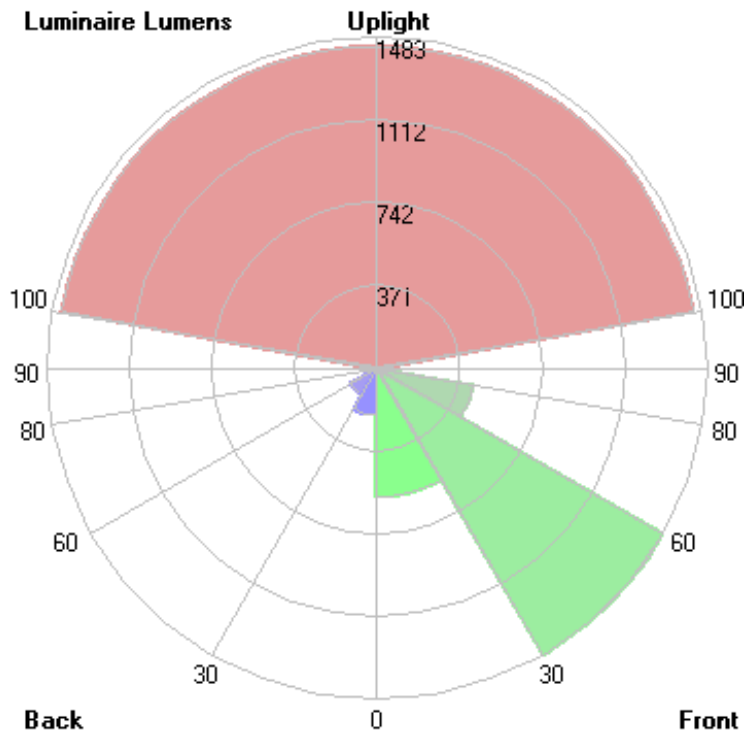
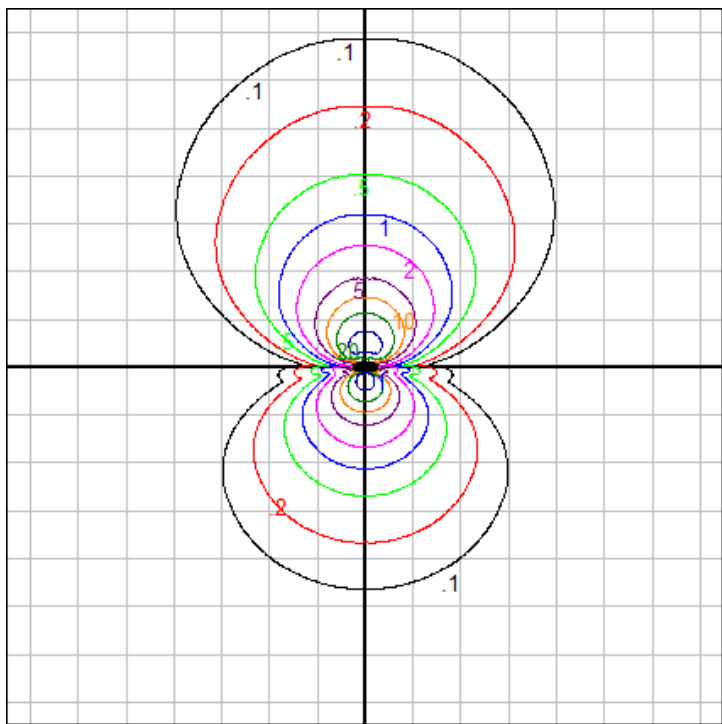
### Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4351
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	3585.1 (120H, 175V)
Max. Cd. (<90 Vert.)	1697.1 (0H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	73.4 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	168.6 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

### Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	576.8	N.A.	13.3
FM (30-60)	1483.0	N.A.	34.1
FH (60-80)	434.8	N.A.	10.0
FVH(80-90)	28.1	N.A.	0.6
BL (0-30)	212.2	N.A.	4.9
BM (30-60)	139.7	N.A.	3.2
BH (60-80)	25.6	N.A.	0.6
BVH(80-90)	4.8	N.A.	0.1
UL (90-100)	7.5	N.A.	0.2
UH (100-180)	1438.2	N.A.	33.1
<b>Total</b>	<b>4350.7</b>	<b>N.A.</b>	<b>100.0</b>

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall | Grid Spacing: 3 ft.

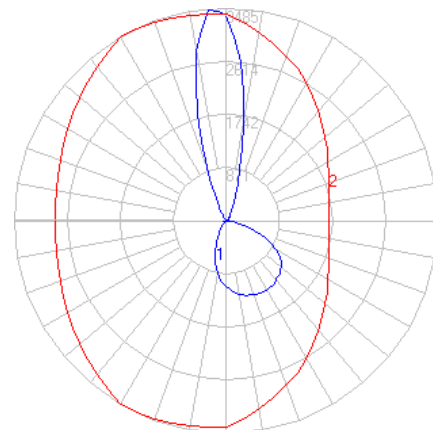
In the interest of product improvement, BEGA reserves the right to make technical changes without notice.



# BEGA

File: 24643K3\_BEGA\_IES.ies

TEST: BE\_24643K4  
 TEST LAB: BEGA  
 DATE: 11/21/2024  
 LUMINAIRE: 24 643K3  
 LAMP: 46.4W LED



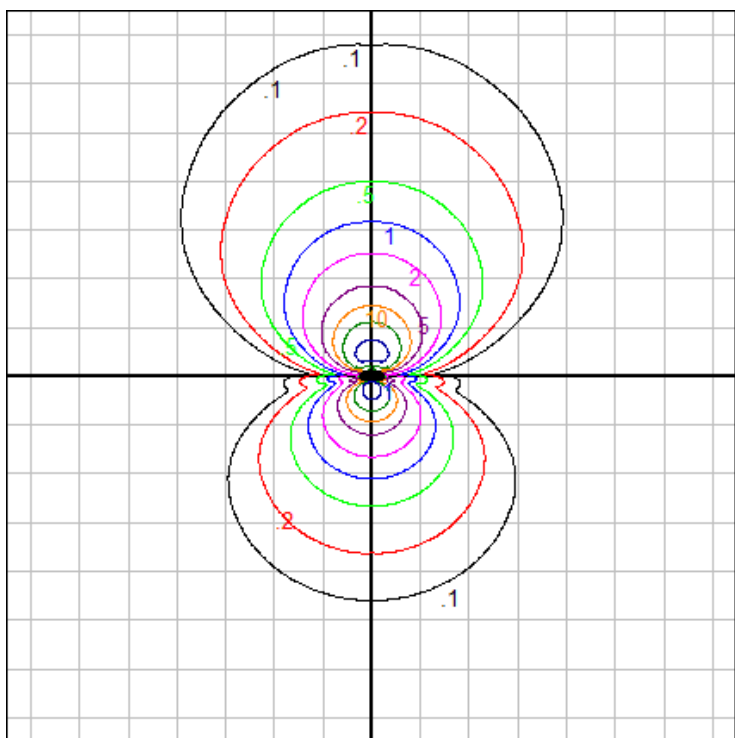
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4229
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	3484.717 (120H, 175V)
Max. Cd. (<90 Vert.)	1649.581 (0H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	71.345 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	163.879 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

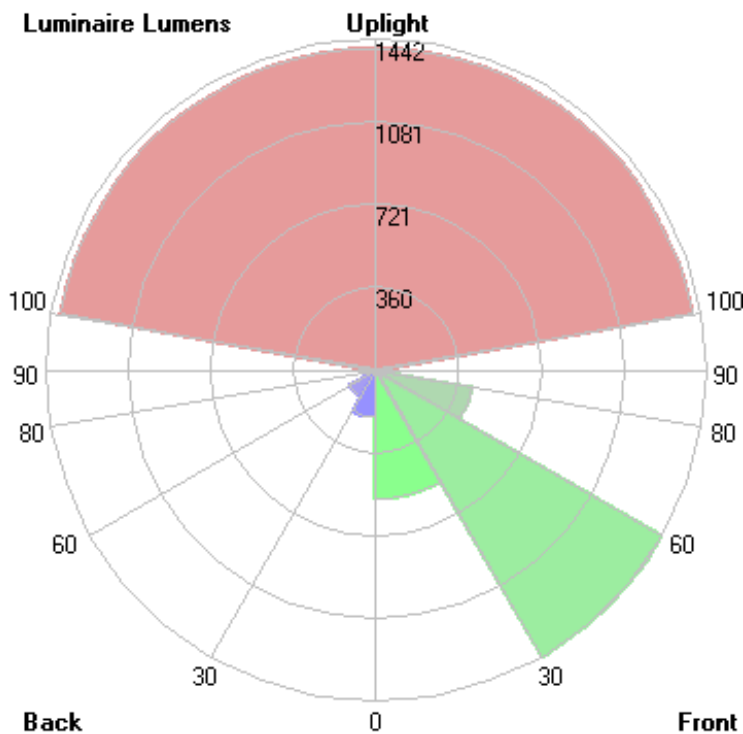
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	560.6	N.A.	13.3
FM (30-60)	1441.5	N.A.	34.1
FH (60-80)	422.7	N.A.	10.0
FVH (80-90)	27.3	N.A.	0.6
BL (0-30)	206.3	N.A.	4.9
BM (30-60)	135.8	N.A.	3.2
BH (60-80)	24.9	N.A.	0.6
BVH (80-90)	4.7	N.A.	0.1
UL (90-100)	7.3	N.A.	0.2
UH (100-180)	1397.9	N.A.	33.1
<b>Total</b>	<b>4229.0</b>	<b>N.A.</b>	<b>100.0</b>

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall

Grid Spacing: 3 ft.

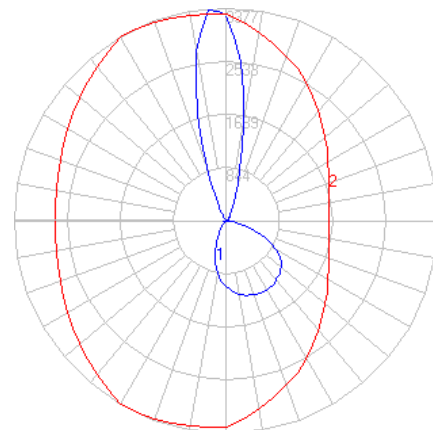


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 24643K27\_BEGA\_IES.ies

TEST: BE\_24643K4  
 TEST LAB: BEGA  
 DATE: 11/21/2024  
 LUMINAIRE: 24 643K27  
 LAMP: 46.4W LED



### Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4098
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	3377.164 (120H, 175V)
Max. Cd. (<90 Vert.)	1598.668 (0H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	69.143 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	158.821 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

### Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	543.3	N.A.	13.3
FM (30-60)	1397.0	N.A.	34.1
FH (60-80)	409.6	N.A.	10.0
FVH(80-90)	26.5	N.A.	0.6
BL (0-30)	199.9	N.A.	4.9
BM (30-60)	131.6	N.A.	3.2
BH (60-80)	24.1	N.A.	0.6
BVH(80-90)	4.5	N.A.	0.1
UL (90-100)	7.1	N.A.	0.2
UH (100-180)	1354.8	N.A.	33.1
<b>Total</b>	<b>4098.4</b>	<b>N.A.</b>	<b>100.0</b>

**BUG Rating B1-U5-G1**

