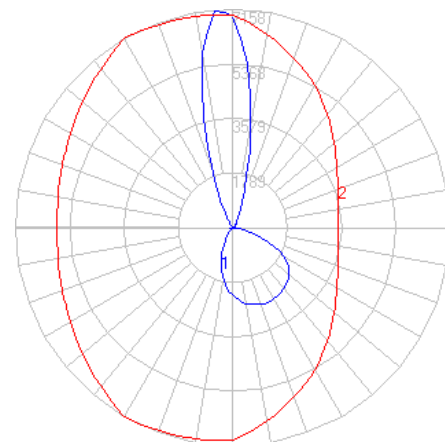


# BEGA

File: 24645K4\_BEGA\_IES.ies

TEST: BE\_24645K4  
 TEST LAB: BEGA  
 DATE: 05/05/2021  
 LUMINAIRE: 24 645K4  
 LAMP: 92.8W LED



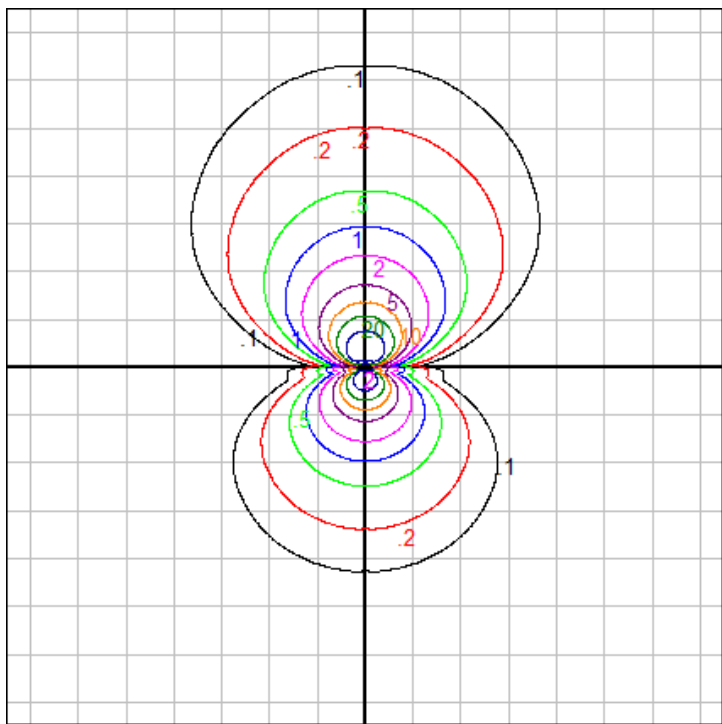
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8687
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	111
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	7157.7 (240H, 175V)
Max. Cd. (<90 Vert.)	3388.3 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	146.5 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	336.6 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

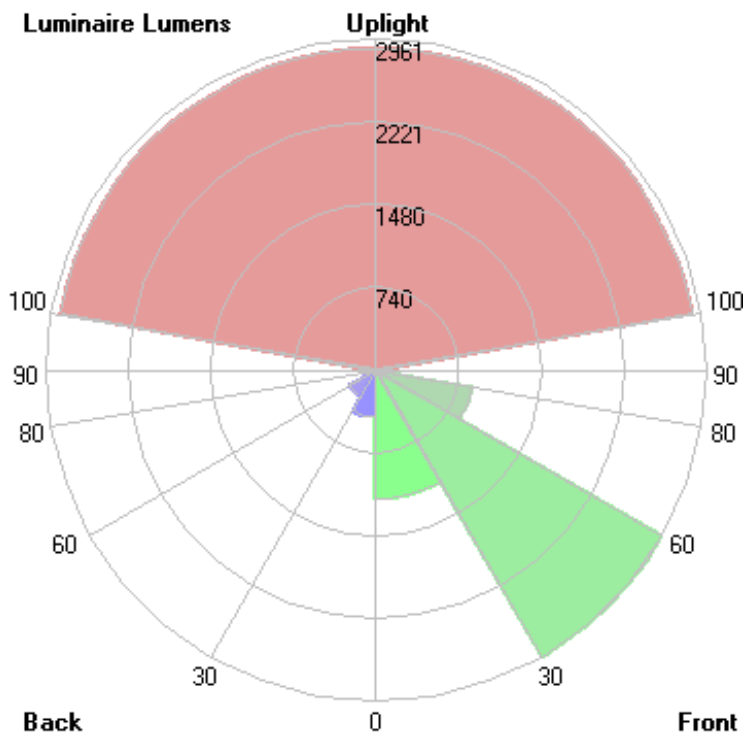
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1151.5	N.A.	13.3
FM (30-60)	2961.0	N.A.	34.1
FH (60-80)	868.2	N.A.	10.0
FVH(80-90)	56.1	N.A.	0.6
BL (0-30)	423.7	N.A.	4.9
BM (30-60)	279.0	N.A.	3.2
BH (60-80)	51.1	N.A.	0.6
BVH(80-90)	9.6	N.A.	0.1
UL (90-100)	15.0	N.A.	0.2
UH (100-180)	2871.5	N.A.	33.1
Total	8686.7	N.A.	100.0

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall

Grid Spacing: 4 ft.

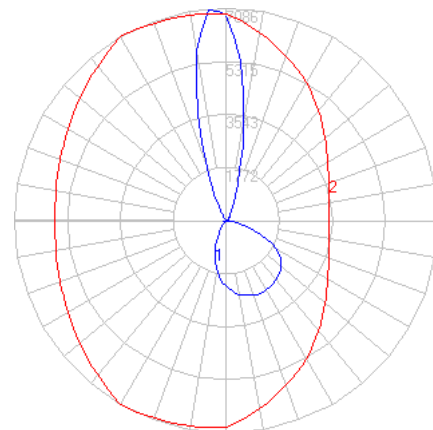


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 24645K35\_BEGA\_IES.ies

TEST: BE\_24645K4  
 TEST LAB: BEGA  
 DATE: 05/05/2021  
 LUMINAIRE: 24 645K35  
 LAMP: 92.8WLED



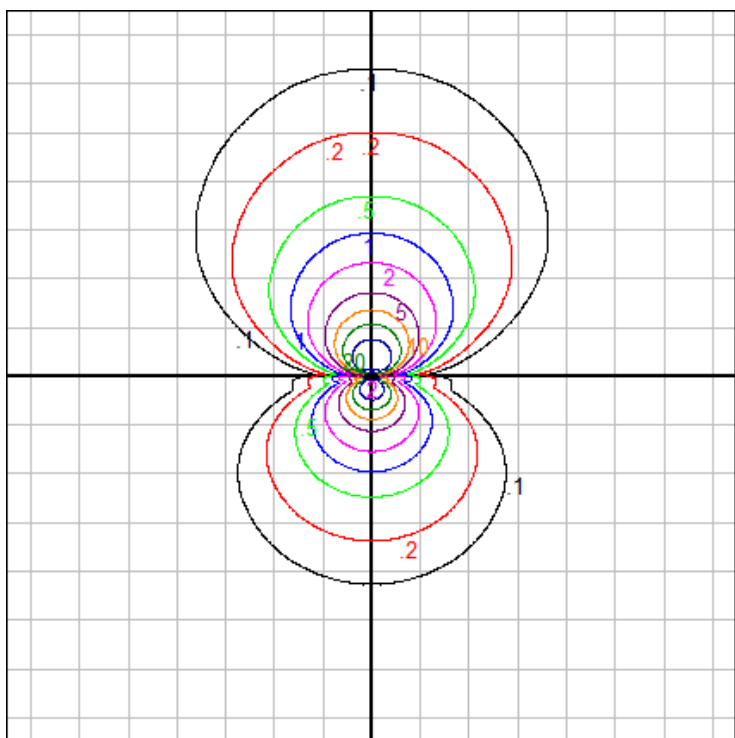
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8600
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	111
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	7086.123 (240H, 175V)
Max. Cd. (<90 Vert.)	3354.417 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	145.035 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	333.234 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

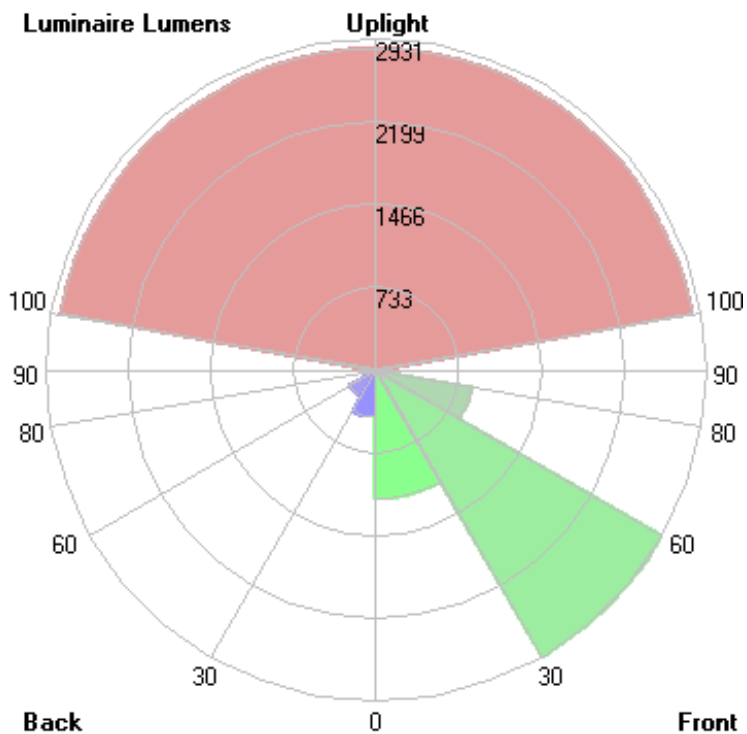
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1140.0	N.A.	13.3
FM (30-60)	2931.4	N.A.	34.1
FH (60-80)	859.5	N.A.	10.0
FVH(80-90)	55.5	N.A.	0.6
BL (0-30)	419.5	N.A.	4.9
BM (30-60)	276.2	N.A.	3.2
BH (60-80)	50.6	N.A.	0.6
BVH(80-90)	9.5	N.A.	0.1
UL (90-100)	14.9	N.A.	0.2
UH (100-180)	2482.8	N.A.	33.1
Total	8599.9	N.A.	100.0

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall

Grid Spacing: 4 ft.

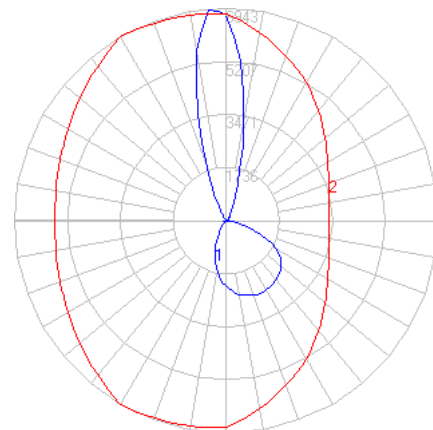


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 24645K3\_BEGA\_IES.ies

TEST: BE\_24645K4  
 TEST LAB: BEGA  
 DATE: 05/05/2021  
 LUMINAIRE: 24 645K3  
 LAMP: 92.8WLED



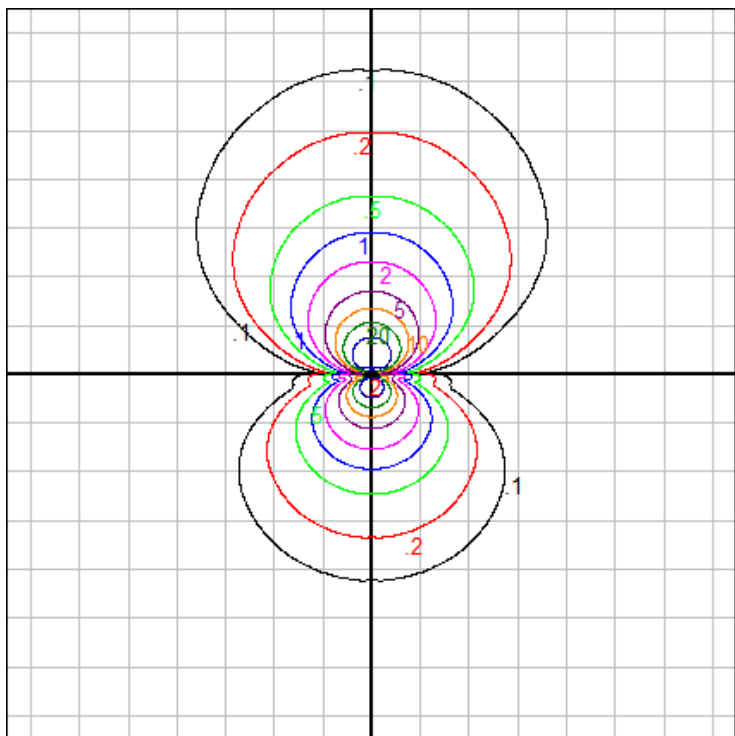
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8426
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	111
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6942.969 (240H, 175V)
Max. Cd. (<90 Vert.)	3286.651 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	142.105 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	326.502 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

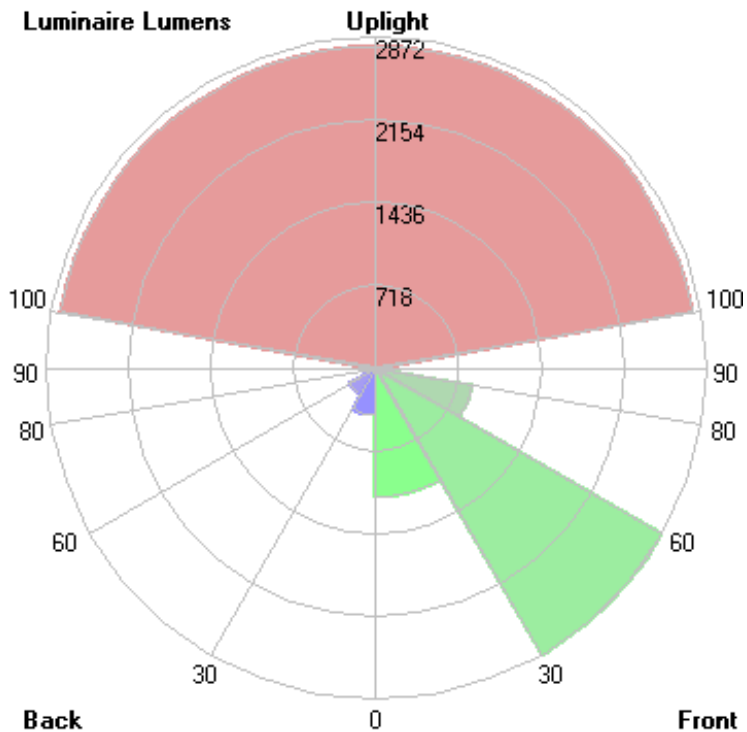
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1117.0	N.A.	13.3
FM (30-60)	2872.1	N.A.	34.1
FH (60-80)	842.2	N.A.	10.0
FVH(80-90)	54.4	N.A.	0.6
BL (0-30)	411.0	N.A.	4.9
BM (30-60)	270.6	N.A.	3.2
BH (60-80)	49.6	N.A.	0.6
BVH(80-90)	9.3	N.A.	0.1
UL (90-100)	14.6	N.A.	0.2
UH (100-180)	2785.3	N.A.	33.1
Total	8426.1	N.A.	100.0

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall

Grid Spacing: 4 ft.

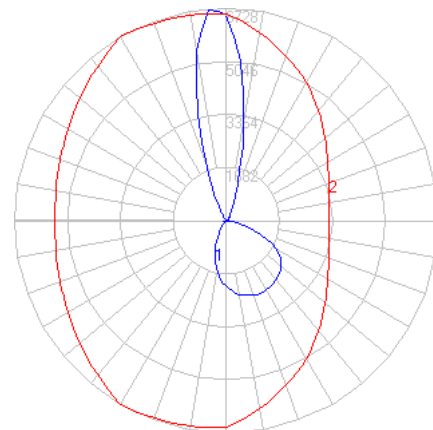


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 24645K27\_BEGA\_IES.ies

TEST: BE\_24645K4  
 TEST LAB: BEGA  
 DATE: 05/05/2021  
 LUMINAIRE: 24 645K27  
 LAMP: 92.8WLED



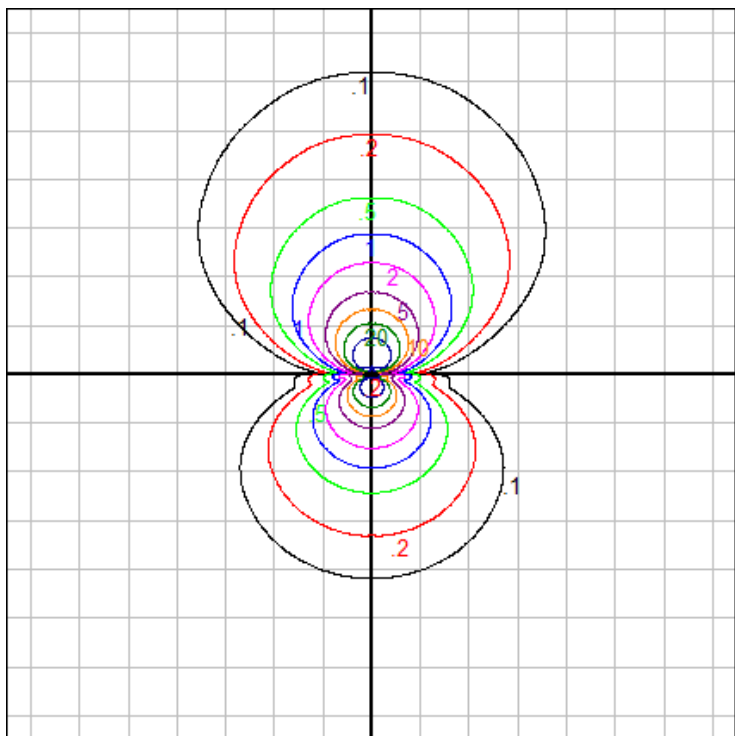
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8166
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	111
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6728.238 (240H, 175V)
Max. Cd. (<90 Vert.)	3185.002 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	137.71 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	316.404 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

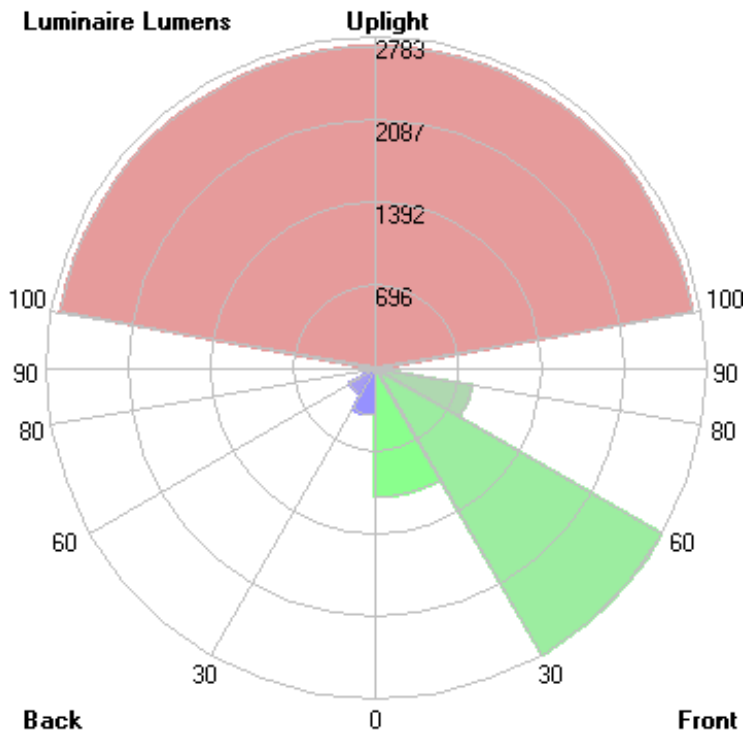
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1082.5	N.A.	13.3
FM (30-60)	2783.3	N.A.	34.1
FH (60-80)	816.1	N.A.	10.0
FVH(80-90)	52.7	N.A.	0.6
BL (0-30)	398.3	N.A.	4.9
BM (30-60)	262.2	N.A.	3.2
BH (60-80)	48.0	N.A.	0.6
BVH(80-90)	9.0	N.A.	0.1
UL (90-100)	14.1	N.A.	0.2
UH (100-180)	2699.2	N.A.	33.1
Total	8165.4	N.A.	100.0

**BUG Rating B1-U5-G1**



Isofootcandle grid on wall

Grid Spacing: 4 ft.



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