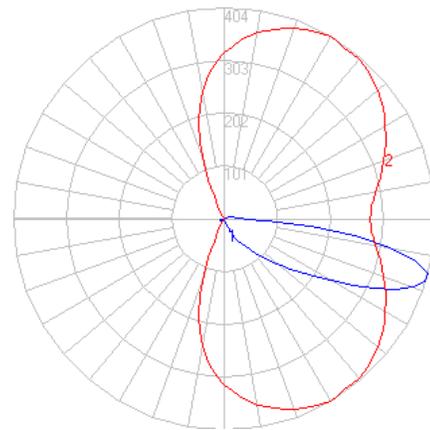


BEGA

File: 85016K4_BEGA_IES.ies

TEST: 85016K4
 TEST LAB: BEGA
 DATE: 9/22/2022
 LUMINAIRE: 85016K4
 LAMP: 6.5W LED



Characteristics

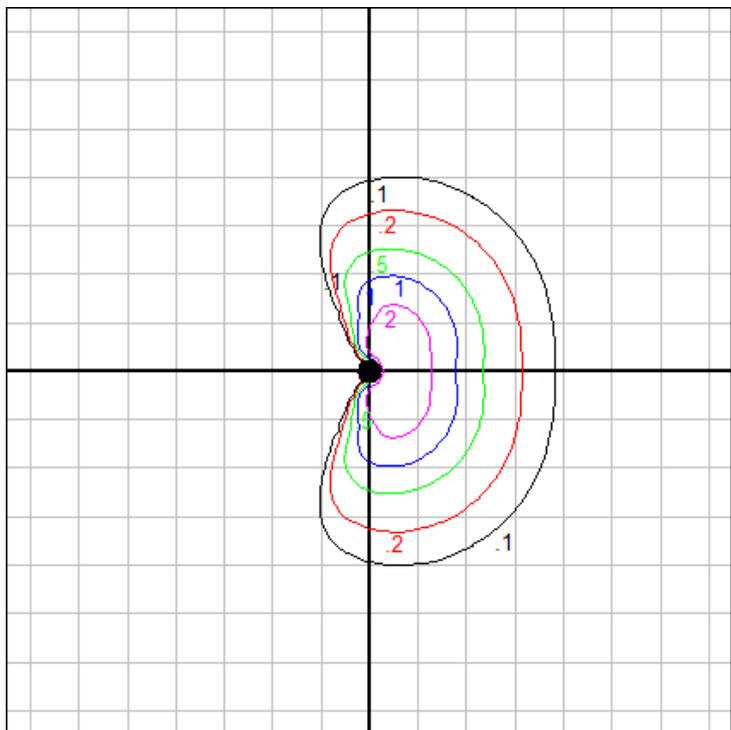
IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	668
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	403.6 (300H, 75V)
Max. Cd. (<90 Vert.)	403.6 (300H, 75V)
Max. Cd. (At 90 Deg. Vert.)	43.7 (6.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	322.5 (48.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.7	N.A.	1.2
FM (30-60)	147.6	N.A.	22.1
FH (60-80)	318.0	N.A.	47.6
FVH (80-90)	85.5	N.A.	12.8
BL (0-30)	1.0	N.A.	0.1
BM (30-60)	17.7	N.A.	2.6
BH (60-80)	46.6	N.A.	7.0
BVH (80-90)	14.3	N.A.	2.1
UL (90-100)	14.7	N.A.	2.2
UH (100-180)	14.8	N.A.	2.2
Total	667.9	N.A.	100.0

BUG Rating B0-U2-G1

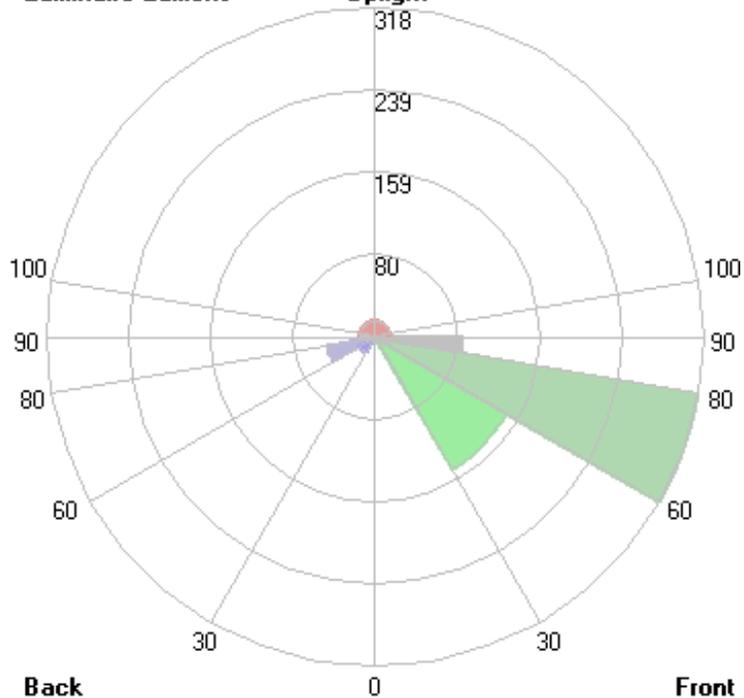


Shown on tube 99622

Grid Spacing: 5 ft.

Luminaire Lumens

Uplight

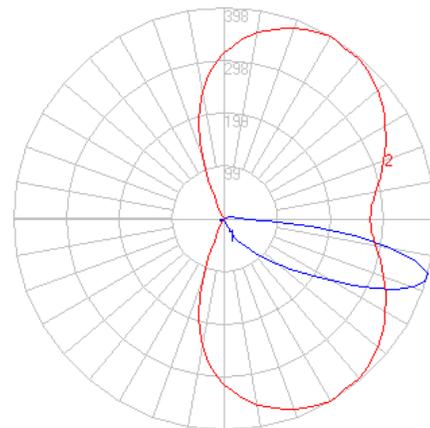


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 85016K35_BEGA_IES.ies

TEST: 85016K4
 TEST LAB: BEGA
 DATE: 9/22/2022
 LUMINAIRE: 85016K35
 LAMP: 6.5W LED



Characteristics

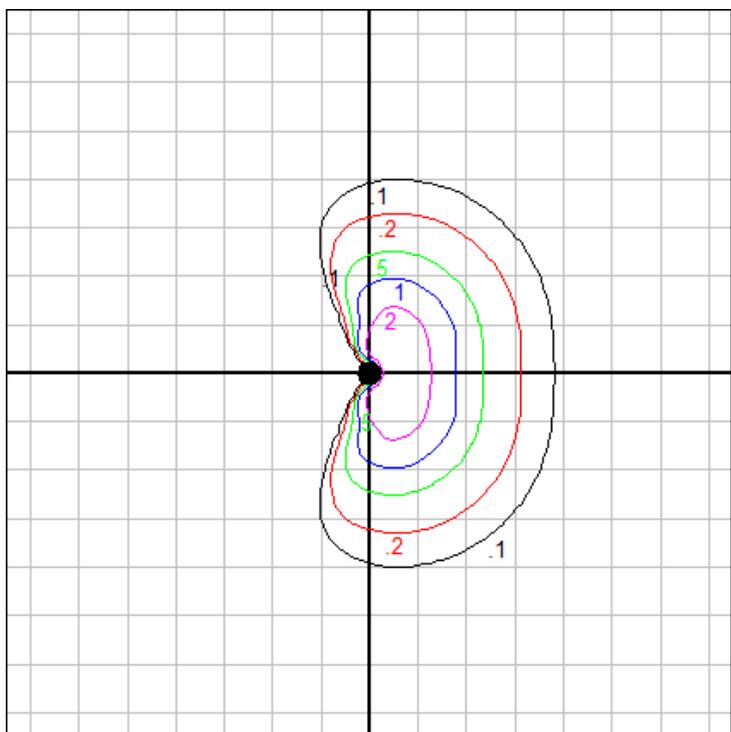
IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	658
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	397.95 (300H, 75V)
Max. Cd. (<90 Vert.)	397.95 (300H, 75V)
Max. Cd. (At 90 Deg. Vert.)	43.088 (6.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	317.985 (48.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.6	N.A.	1.2
FM (30-60)	145.5	N.A.	22.1
FH (60-80)	313.5	N.A.	47.6
FVH (80-90)	84.3	N.A.	12.8
BL (0-30)	1.0	N.A.	0.1
BM (30-60)	17.4	N.A.	2.6
BH (60-80)	45.9	N.A.	7.0
BVH (80-90)	14.1	N.A.	2.1
UL (90-100)	14.5	N.A.	2.2
UH (100-180)	14.5	N.A.	2.2
Total	658.3	N.A.	100.0

BUG Rating B0-U2-G1

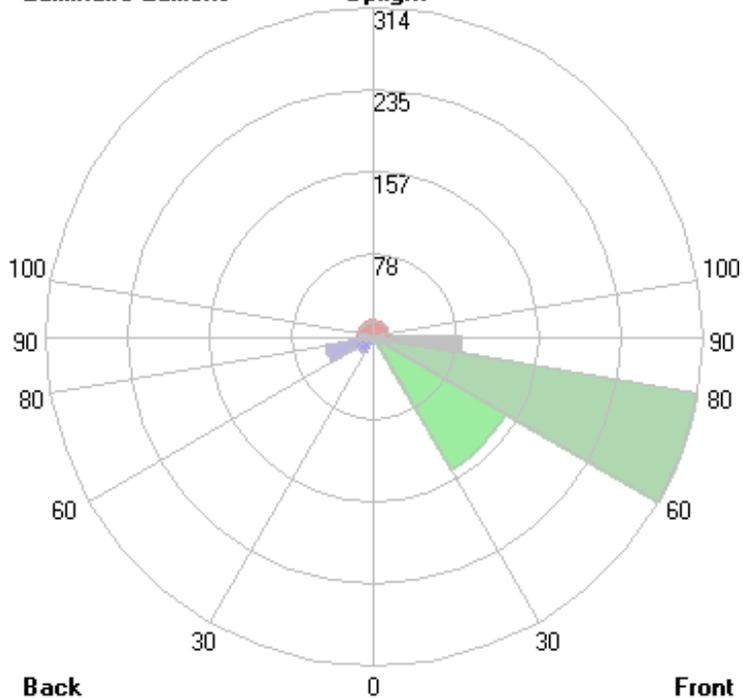


Shown on tube 99622

Grid Spacing: 5 ft.

Luminaire Lumens

Uplight



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

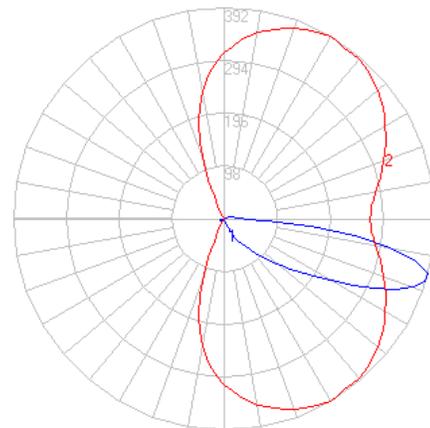
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2026

1/13/2026

BEGA

File: 85016K3_BEGA_IES.ies

TEST: 85016K4
 TEST LAB: BEGA
 DATE: 9/22/2022
 LUMINAIRE: 85016K3
 LAMP: 6.5W LED



Characteristics

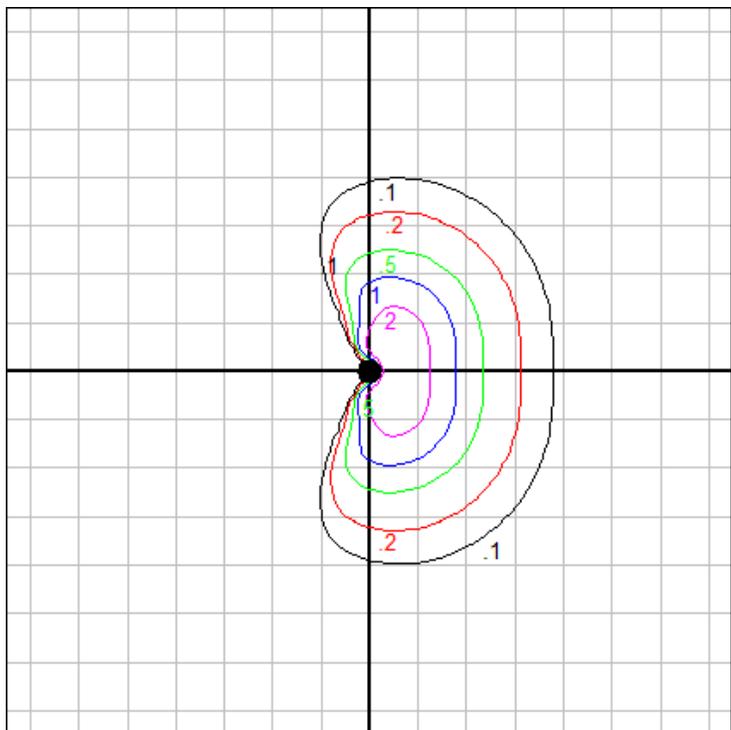
IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	649
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	392.299 (300H, 75V)
Max. Cd. (<90 Vert.)	392.299 (300H, 75V)
Max. Cd. (At 90 Deg. Vert.)	42.476 (6.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	313.47 (48.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

Lum. Classification System (LCS)

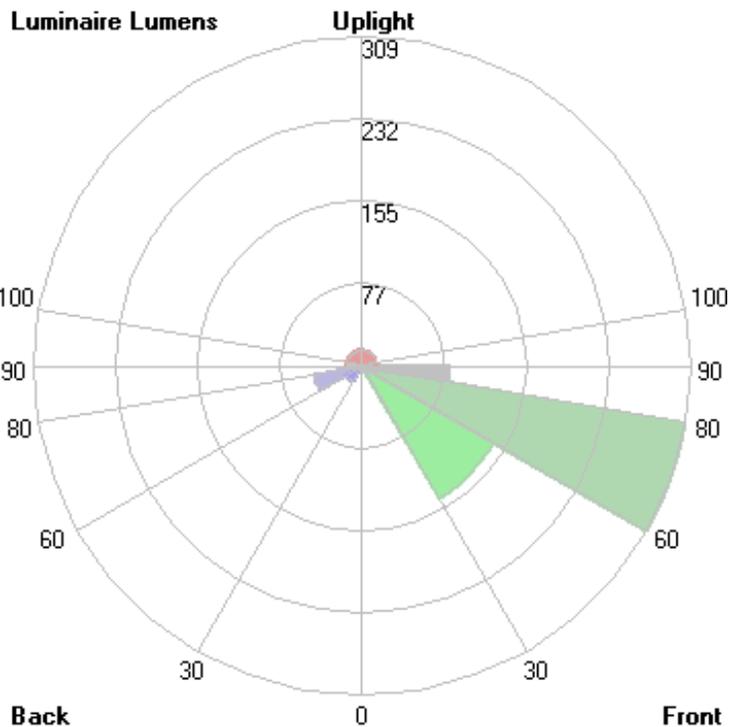
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.5	N.A.	1.2
FM (30-60)	143.5	N.A.	22.1
FH (60-80)	309.1	N.A.	47.6
FVH (80-90)	83.1	N.A.	12.8
BL (0-30)	1.0	N.A.	0.1
BM (30-60)	17.2	N.A.	2.6
BH (60-80)	45.3	N.A.	7.0
BVH (80-90)	13.9	N.A.	2.1
UL (90-100)	14.3	N.A.	2.2
UH (100-180)	14.3	N.A.	2.2
Total	649.2	N.A.	100.0

BUG Rating B0-U2-G1



Shown on tube 99622

Grid Spacing: 5 ft.

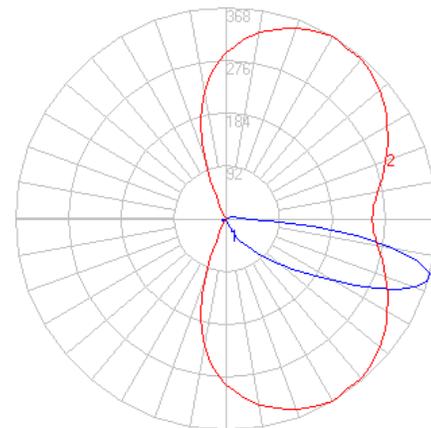


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 85016K27_BEGA_IES.ies

TEST: 85016K4
 TEST LAB: BEGA
 DATE: 9/22/2022
 LUMINAIRE: 85016K27
 LAMP: 6.5W LED



Characteristics

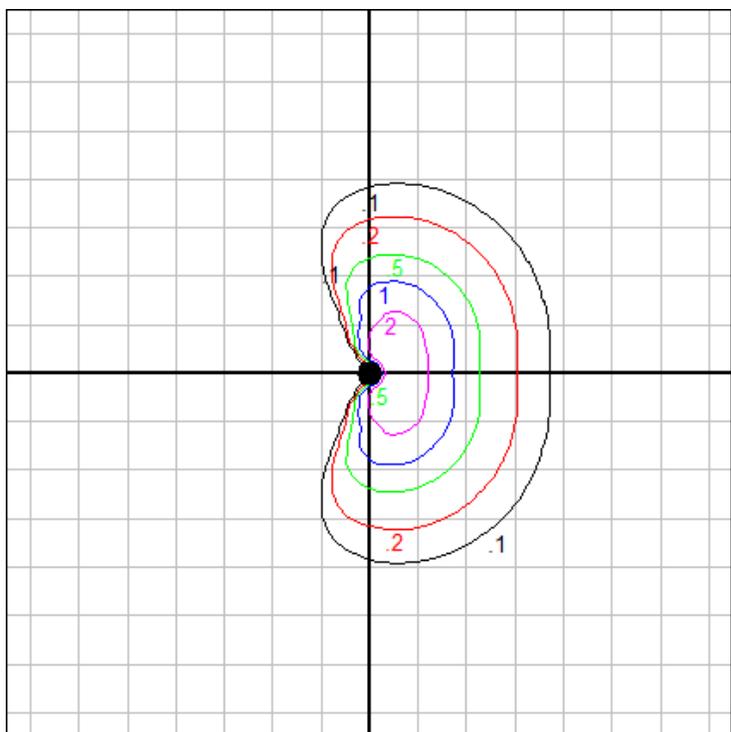
IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	610
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	368.487 (300H, 75V)
Max. Cd. (<90 Vert.)	368.487 (300H, 75V)
Max. Cd. (At 90 Deg. Vert.)	39.898 (6.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	294.442 (48.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

Lum. Classification System (LCS)

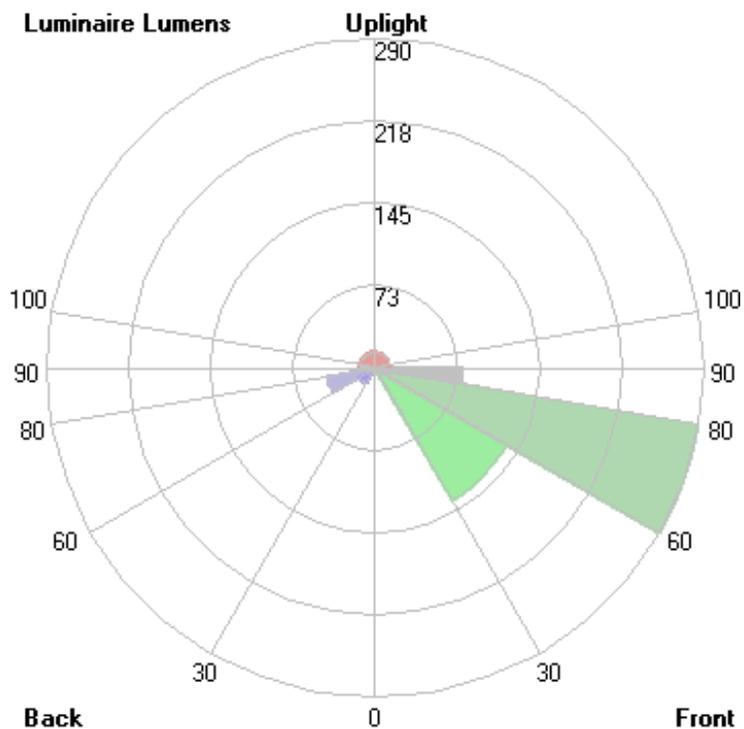
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.1	N.A.	1.2
FM (30-60)	134.7	N.A.	22.1
FH (60-80)	290.3	N.A.	47.6
FVH (80-90)	78.1	N.A.	12.8
BL (0-30)	0.9	N.A.	0.1
BM (30-60)	16.1	N.A.	2.6
BH (60-80)	42.5	N.A.	7.0
BVH (80-90)	13.0	N.A.	2.1
UL (90-100)	13.4	N.A.	2.2
UH (100-180)	13.4	N.A.	2.2
Total	609.5	N.A.	100.0

BUG Rating B0-U2-G1



Shown on tube 99622

Grid Spacing: 5 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 2026

1/13/2026