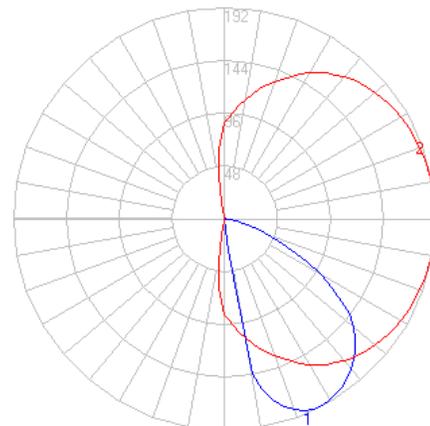


BEGA

File: 85180K4_BEGA_IES.ies

TEST: BE_85180K4
 TEST LAB: BEGA
 DATE: 11/21/2023
 LUMINAIRE: 85 180K4
 LAMP: 3.9W LED



Characteristics

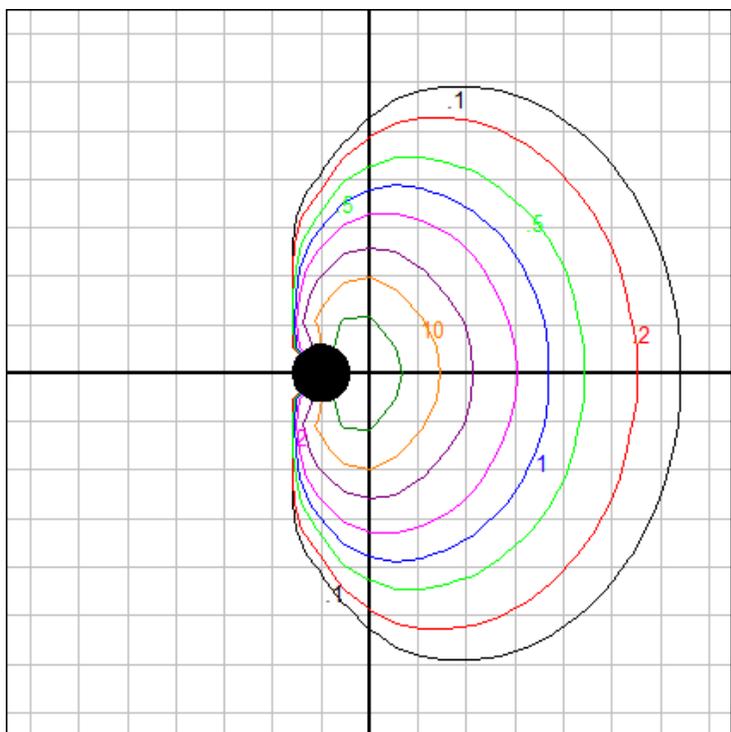
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	247
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	191.926 (360H, 27.5V)
Max. Cd. (<90 Vert.)	191.926 (360H, 27.5V)
Max. Cd. (At 90 Deg. Vert.)	1.013 (0.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.895 (2.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

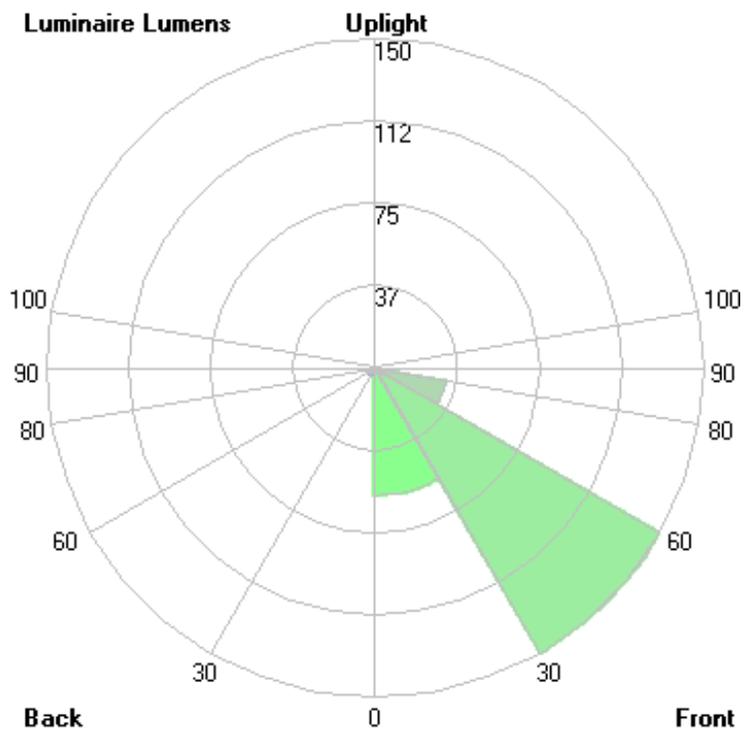
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	57.9	N.A.	23.4
FM (30-60)	149.6	N.A.	60.5
FH (60-80)	32.7	N.A.	13.2
FVH (80-90)	0.6	N.A.	0.2
BL (0-30)	2.5	N.A.	1.0
BM (30-60)	3.7	N.A.	1.5
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH (100-180)	< 0.05	N.A.	0.0
Total	247.3	N.A.	100.0

BUG Rating B0-U0*-G0

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 1.0 ft.

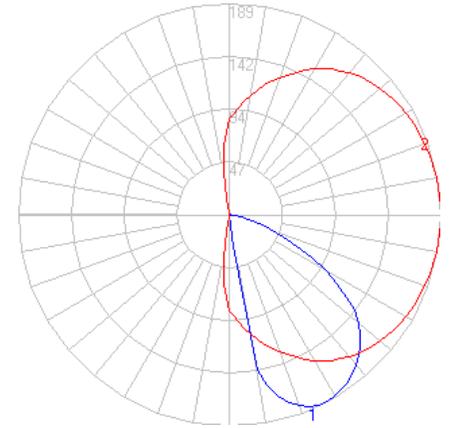


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 85180K35_BEGA_IES.ies

TEST: BE_85180K4
 TEST LAB: BEGA
 DATE: 11/21/2023
 LUMINAIRE: 85 180K35
 LAMP: 3.9W LED



Characteristics

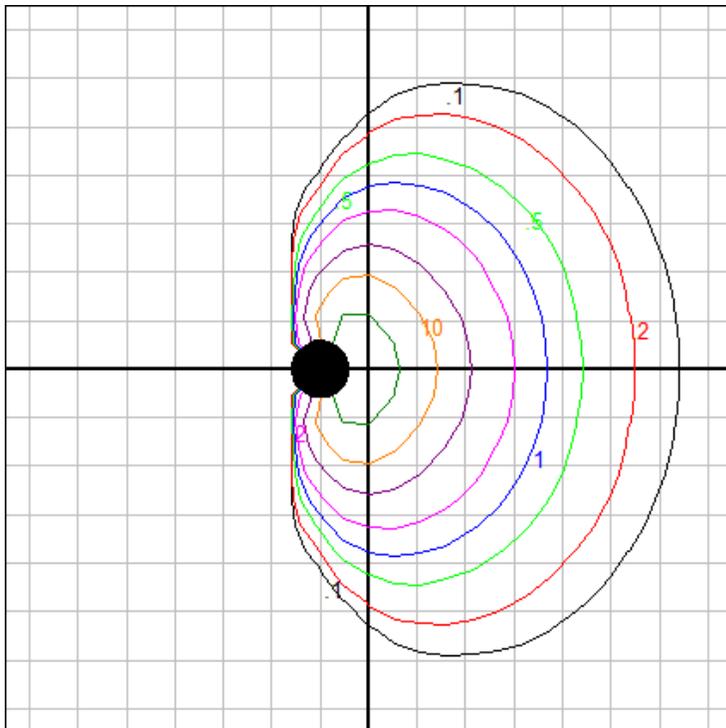
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	243
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	188.742 (360H, 27.5V)
Max. Cd. (<90 Vert.)	188.742 (360H, 27.5V)
Max. Cd. (At 90 Deg. Vert.)	.996 (0.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.814 (2.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

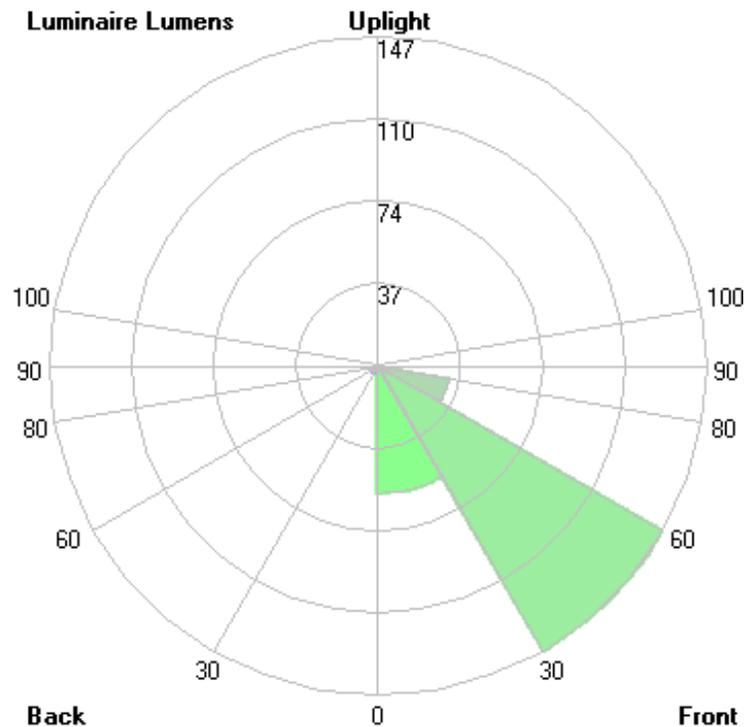
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	56.9	N.A.	23.4
FM (30-60)	147.1	N.A.	60.5
FH (60-80)	32.1	N.A.	13.2
FVH (80-90)	0.5	N.A.	0.2
BL (0-30)	2.5	N.A.	1.0
BM (30-60)	3.6	N.A.	1.5
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH (100-180)	< 0.05	N.A.	0.0
Total	243.0	N.A.	100.0

BUG Rating B0-U0*-G0

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 1.0 ft.

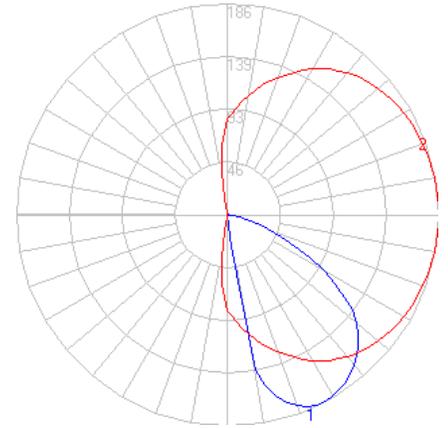


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 85180K3_BEGA_IES.ies

TEST: BE_85180K4
 TEST LAB: BEGA
 DATE: 11/21/2023
 LUMINAIRE: 85 180K3
 LAMP: 3.9W LED



Characteristics

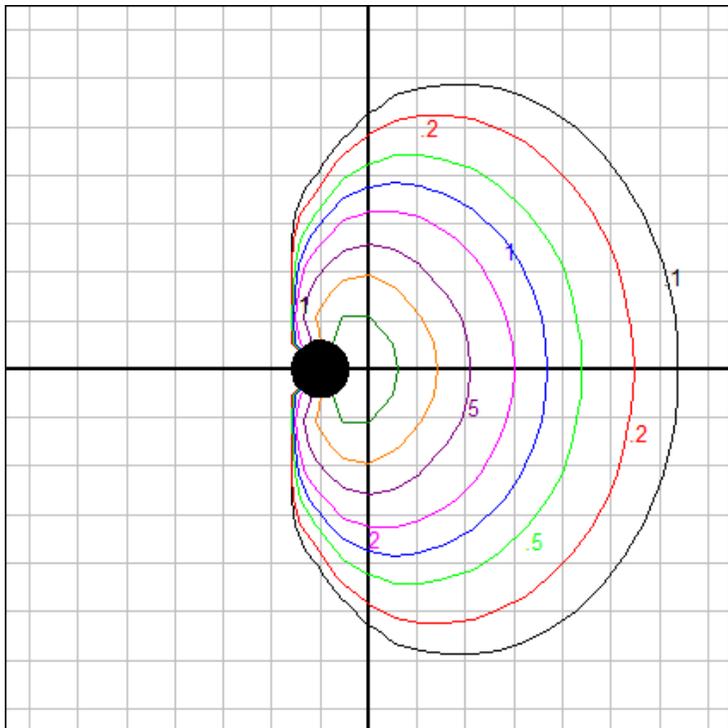
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	239
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	185.558 (360H, 27.5V)
Max. Cd. (<90 Vert.)	185.558 (360H, 27.5V)
Max. Cd. (At 90 Deg. Vert.)	.979 (0.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.733 (2.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

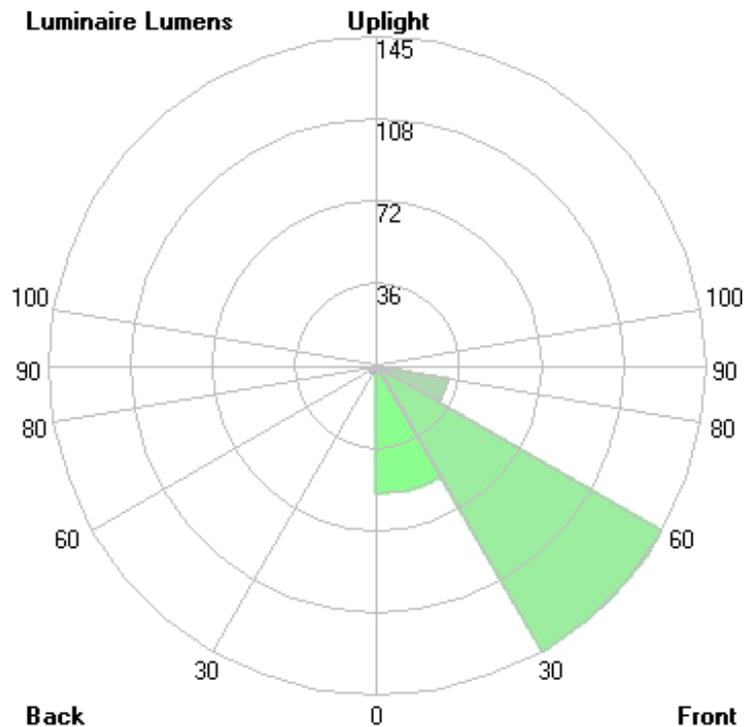
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	55.9	N.A.	23.4
FM (30-60)	144.6	N.A.	60.5
FH (60-80)	31.6	N.A.	13.2
FVH (80-90)	0.5	N.A.	0.2
BL (0-30)	2.4	N.A.	1.0
BM (30-60)	3.6	N.A.	1.5
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH (100-180)	< 0.05	N.A.	0.0
Total	238.9	N.A.	100.0

BUG Rating B0-U0*-G0

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 1.0 ft.



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

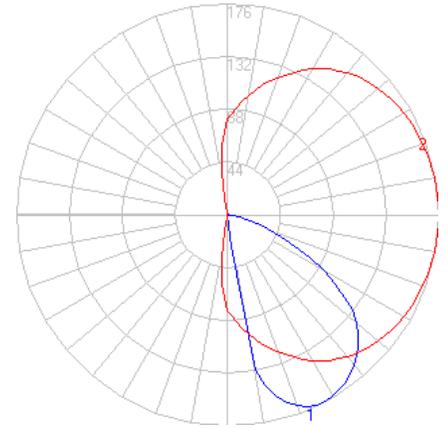
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2026

1/23/2026

BEGA

File: 85180K27_BEGA_IES.ies

TEST: BE_85180K4
 TEST LAB: BEGA
 DATE: 11/21/2023
 LUMINAIRE: 85 180K27
 LAMP: 3.9W LED



Characteristics

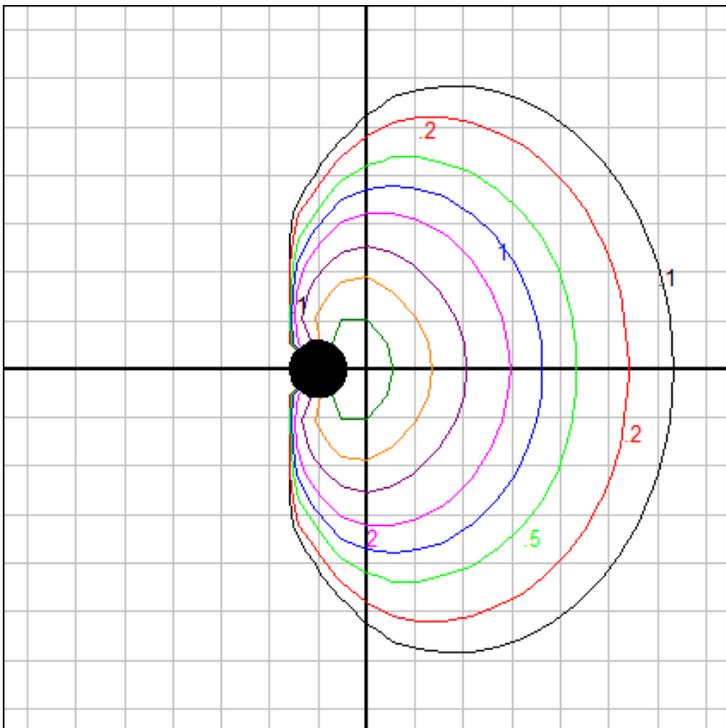
IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	227
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	176.462 (360H, 27.5V)
Max. Cd. (<90 Vert.)	176.462 (360H, 27.5V)
Max. Cd. (At 90 Deg. Vert.)	.931 (0.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	4.501 (2.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

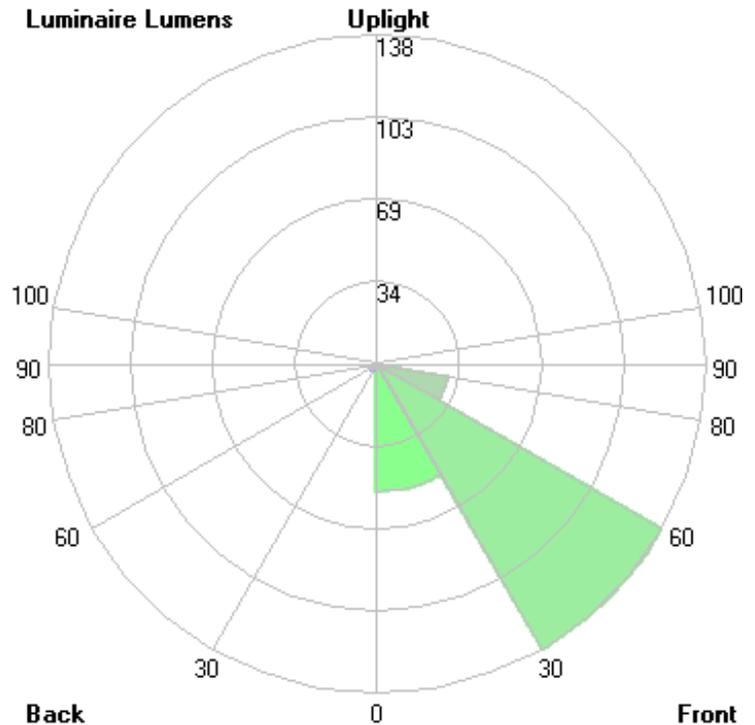
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	53.2	N.A.	23.4
FM (30-60)	137.5	N.A.	60.5
FH (60-80)	30.0	N.A.	13.2
FVH (80-90)	0.5	N.A.	0.2
BL (0-30)	2.3	N.A.	1.0
BM (30-60)	3.4	N.A.	1.5
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH(100-180)	< 0.05	N.A.	0.0
Total	227.2	N.A.	100.0

BUG Rating B0-U0*-G0

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 1.0 ft.



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