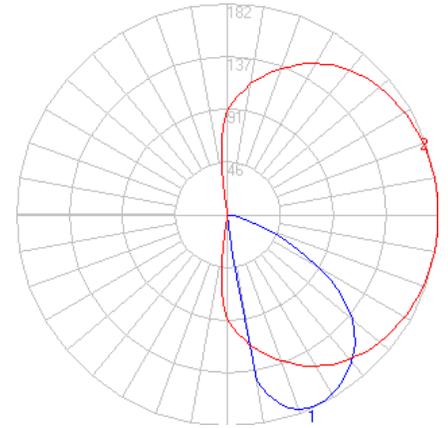


# BEGA

File: 85178K4\_BEGA\_IES.ies

TEST: BE\_85178K4  
 TEST LAB: BEGA  
 DATE: 11/21/2023  
 LUMINAIRE: 85 178K4  
 LAMP: 3.9W LED



## Characteristics

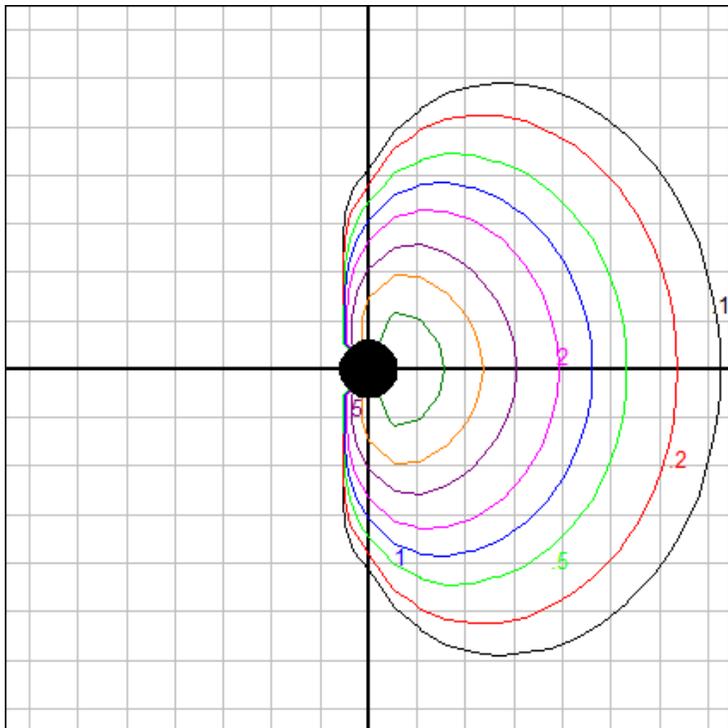
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	236
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	182.22 (355H, 25V)
Max. Cd. (<90 Vert.)	182.22 (355H, 25V)
Max. Cd. (At 90 Deg. Vert.)	.253 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	3.967 (1.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	57.3	N.A.	24.3
FM (30-60)	142.0	N.A.	60.1
FH (60-80)	30.2	N.A.	12.8
FVH (80-90)	0.3	N.A.	0.1
BL (0-30)	2.5	N.A.	1.1
BM (30-60)	3.8	N.A.	1.6
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	< 0.05	N.A.	0.0
Total	236.2	N.A.	100.0

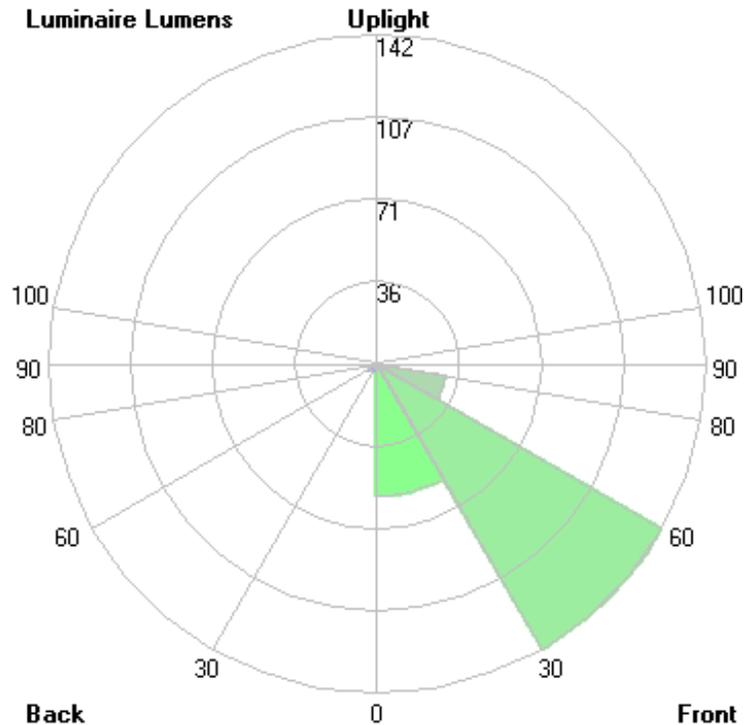
**BUG Rating B0-U0\*-G0**

\*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.

## Luminaire Lumens

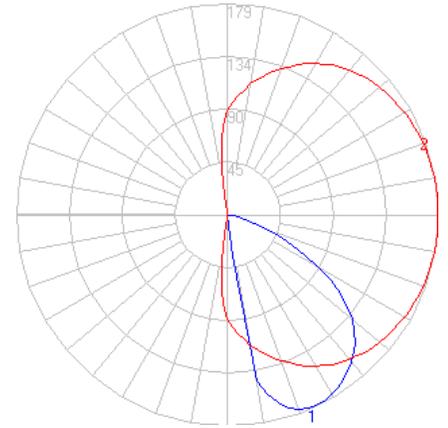


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 85178K35\_BEGA\_IES.ies

TEST: BE\_85178K4  
 TEST LAB: BEGA  
 DATE: 11/21/2023  
 LUMINAIRE: 85 178K35  
 LAMP: 3.9W LED



## Characteristics

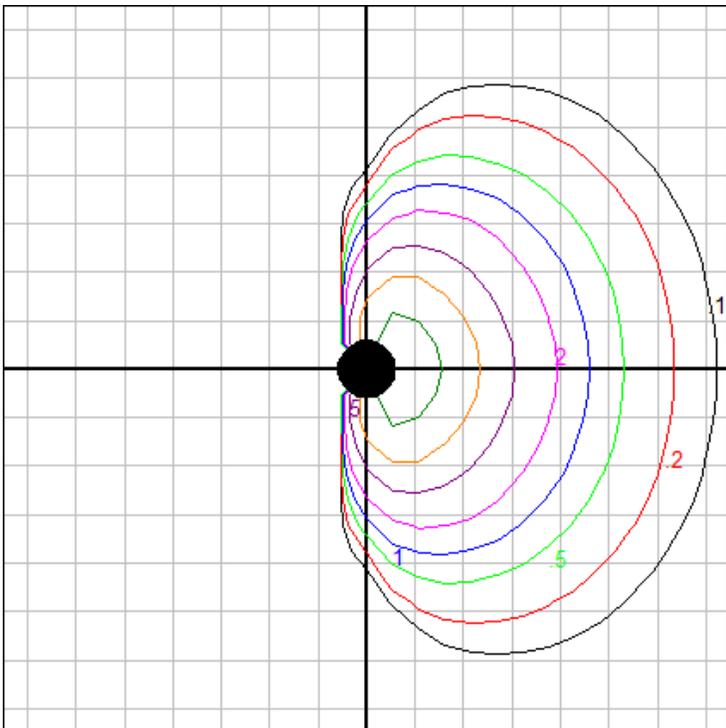
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	232
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	179.197 (355H, 25V)
Max. Cd. (<90 Vert.)	179.197 (355H, 25V)
Max. Cd. (At 90 Deg. Vert.)	.249 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	3.901 (1.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

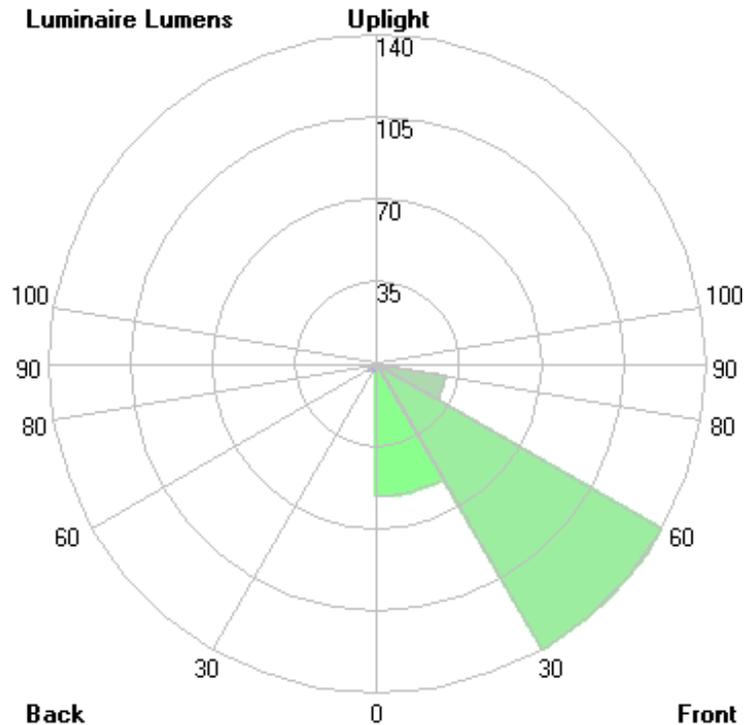
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	56.4	N.A.	24.2
FM (30-60)	139.7	N.A.	60.1
FH (60-80)	29.7	N.A.	12.8
FVH (80-90)	0.3	N.A.	0.1
BL (0-30)	2.5	N.A.	1.1
BM (30-60)	3.8	N.A.	1.6
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	< 0.05	N.A.	0.0
Total	232.5	N.A.	100.0

**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.

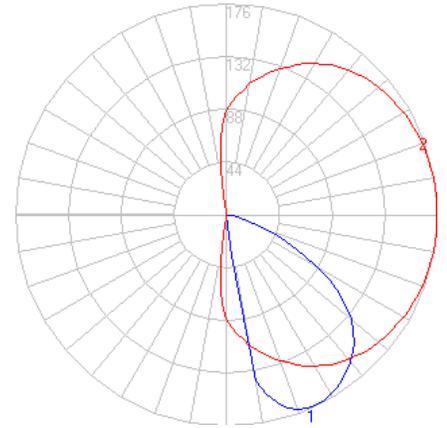


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 85178K3\_BEGA\_IES.ies

TEST: BE\_85178K4  
 TEST LAB: BEGA  
 DATE: 11/21/2023  
 LUMINAIRE: 85 178K3  
 LAMP: 3.9W LED



## Characteristics

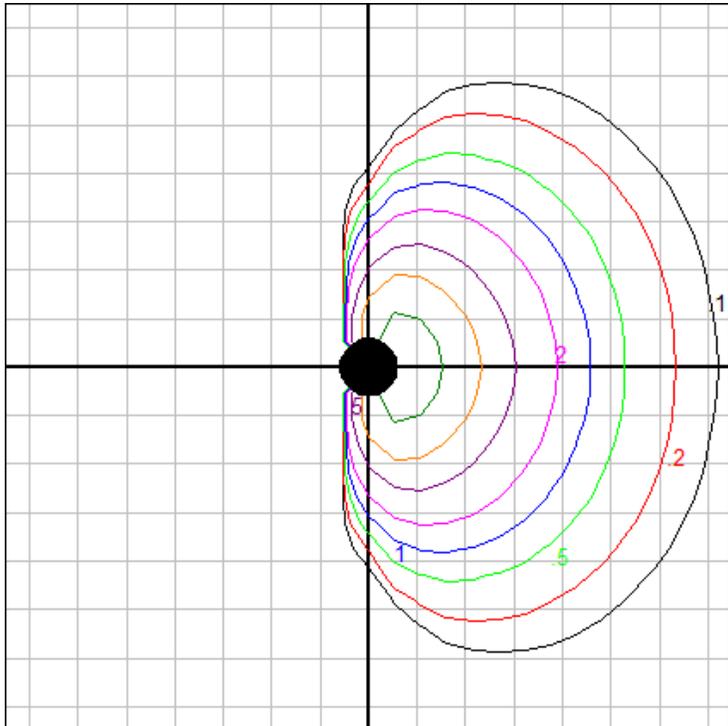
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	228
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	176.174 (355H, 25V)
Max. Cd. (<90 Vert.)	176.174 (355H, 25V)
Max. Cd. (At 90 Deg. Vert.)	.245 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	3.835 (1.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

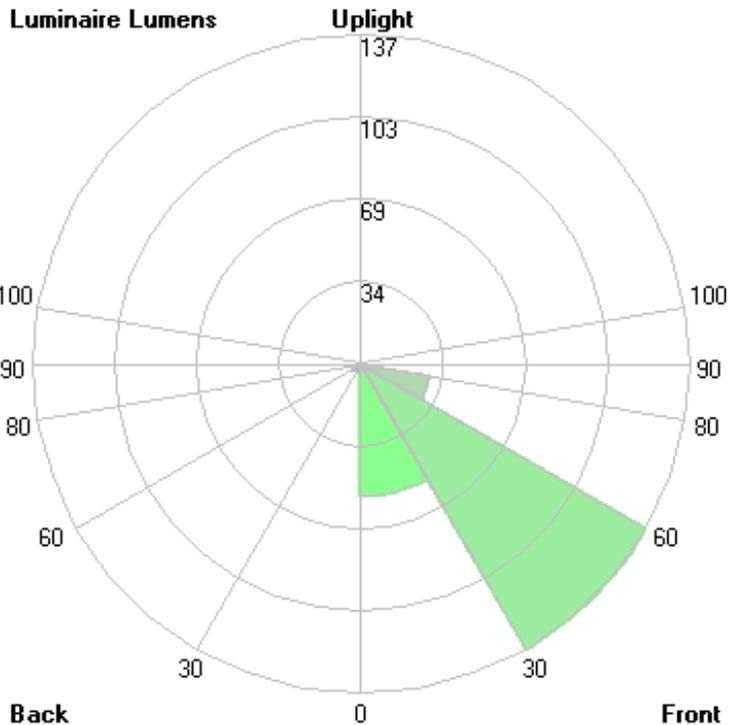
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	55.4	N.A.	24.3
FM (30-60)	137.3	N.A.	60.1
FH (60-80)	29.2	N.A.	12.8
FVH (80-90)	0.3	N.A.	0.1
BL (0-30)	2.5	N.A.	1.1
BM (30-60)	3.7	N.A.	1.6
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	< 0.05	N.A.	0.0
Total	228.5	N.A.	100.0

**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.

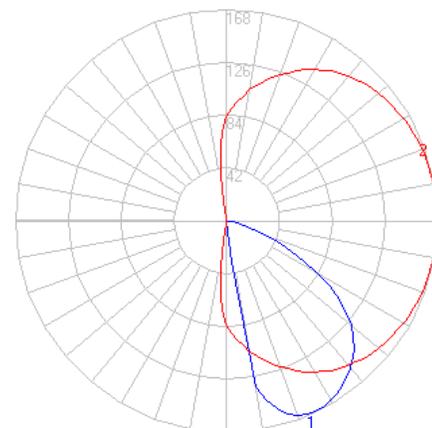


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 85178K27\_BEGA\_IES.ies

TEST: BE\_85178K4  
 TEST LAB: BEGA  
 DATE: 11/21/2023  
 LUMINAIRE: 85 178K27  
 LAMP: 3.9W LED



## Characteristics

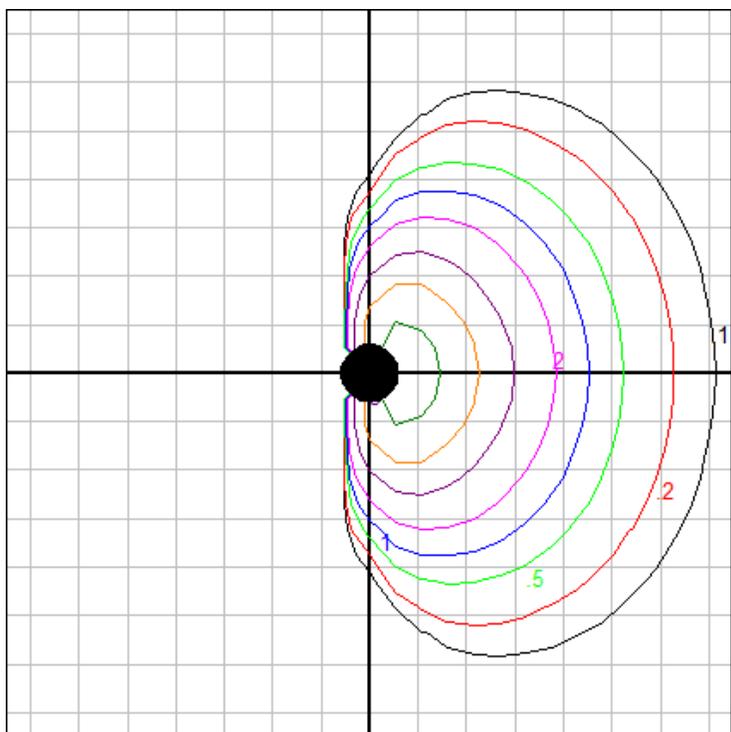
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	217
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	167.538 (355H, 25V)
Max. Cd. (<90 Vert.)	167.538 (355H, 25V)
Max. Cd. (At 90 Deg. Vert.)	.233 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	3.647 (1.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

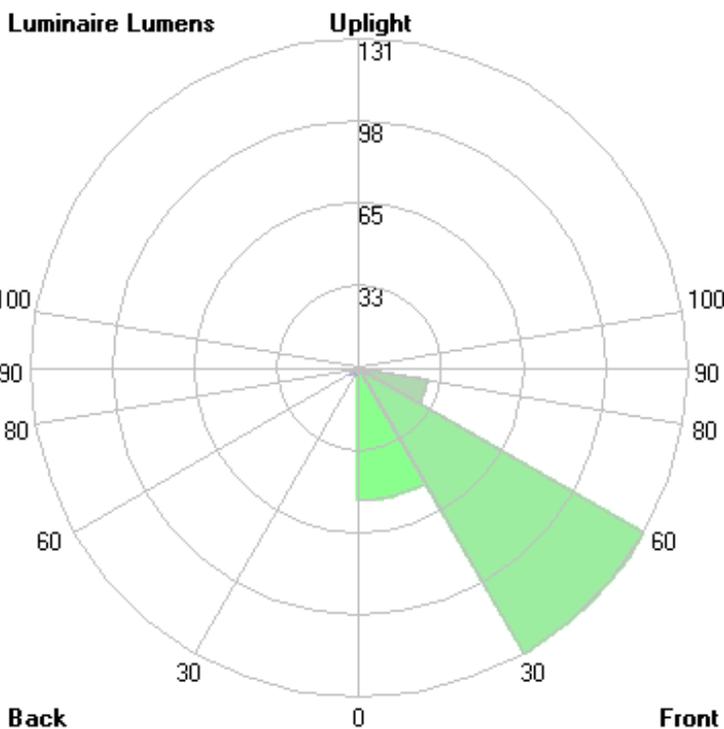
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	52.7	N.A.	24.3
FM (30-60)	130.6	N.A.	60.1
FH (60-80)	27.7	N.A.	12.8
FVH (80-90)	0.3	N.A.	0.1
BL (0-30)	2.3	N.A.	1.1
BM (30-60)	3.5	N.A.	1.6
BH (60-80)	0.1	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	< 0.05	N.A.	0.0
Total	217.2	N.A.	100.0

**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.



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1/22/2026