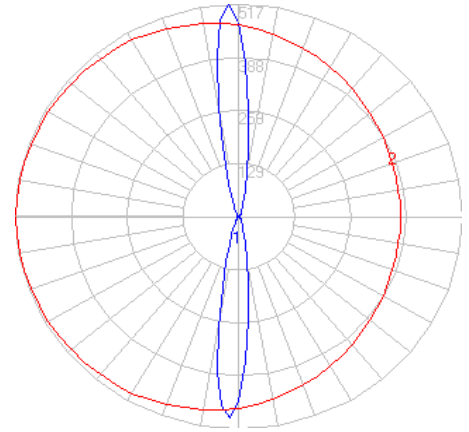


BEGA

File: 24178K4_BEGA_IES.ies

TEST: BE_24178K4
TEST LAB: BEGA
DATE: 08/02/2019
LUMINAIRE: 24178K4
LAMP: 10.0W LED



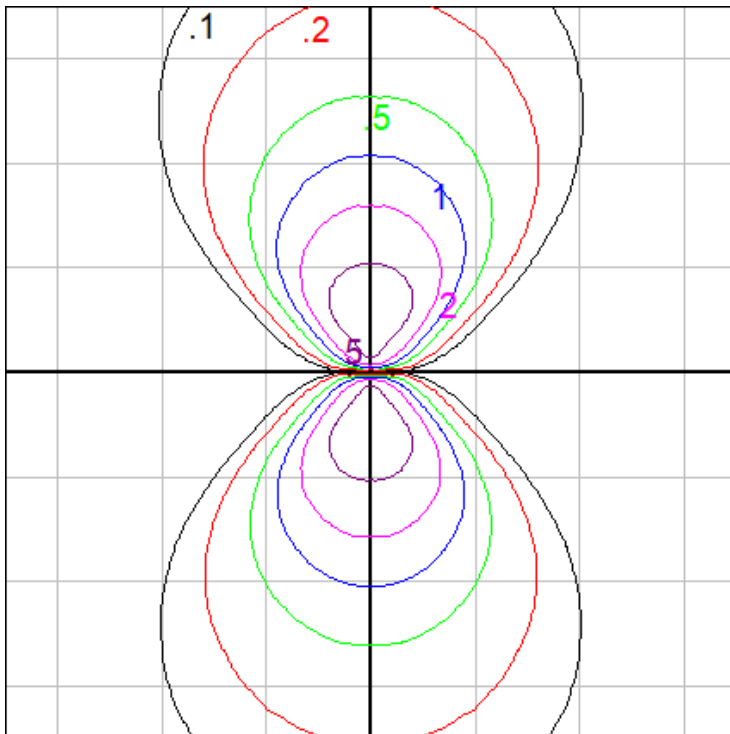
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	404
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	34
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

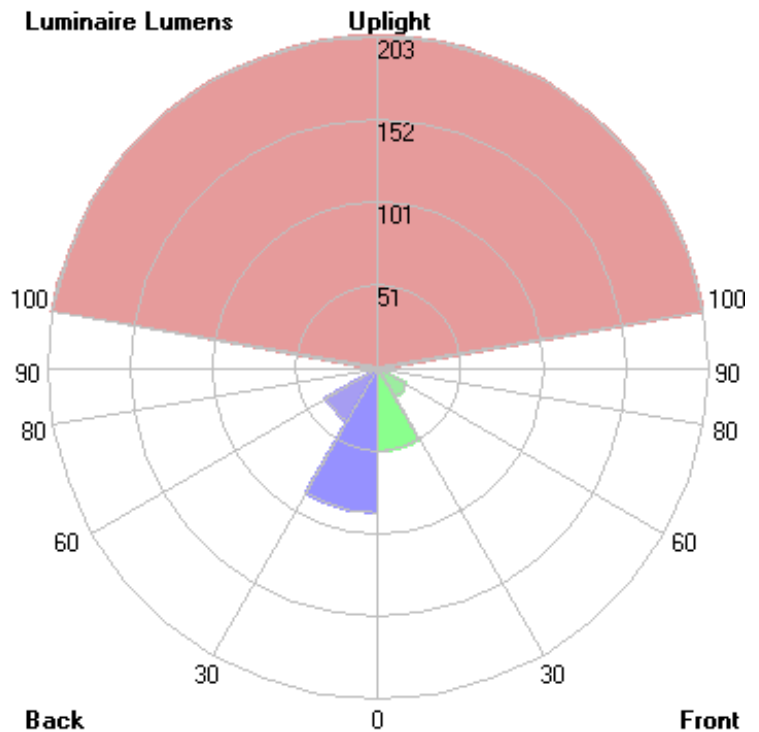
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	50.9	N.A.	12.6
FM (30-60)	20.1	N.A.	5.0
FH (60-80)	1.9	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	88.6	N.A.	21.9
BM (30-60)	37.1	N.A.	9.2
BH (60-80)	2.5	N.A.	0.6
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.3	N.A.	0.1
UH (100-180)	202.8	N.A.	50.1
Total	404.5	N.A.	100.0

BUG Rating **B0-U3-G0**



Grid Spacing: 3 ft.

Isofootcandle grid on wall

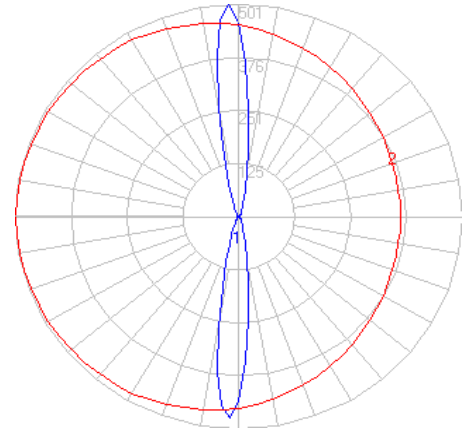


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24178K35_BEGA_IES.ies

TEST: BE_24178K4
TEST LAB: BEGA
DATE: 08/02/2019
LUMINAIRE: 24178K35
LAMP: 10.0W LED



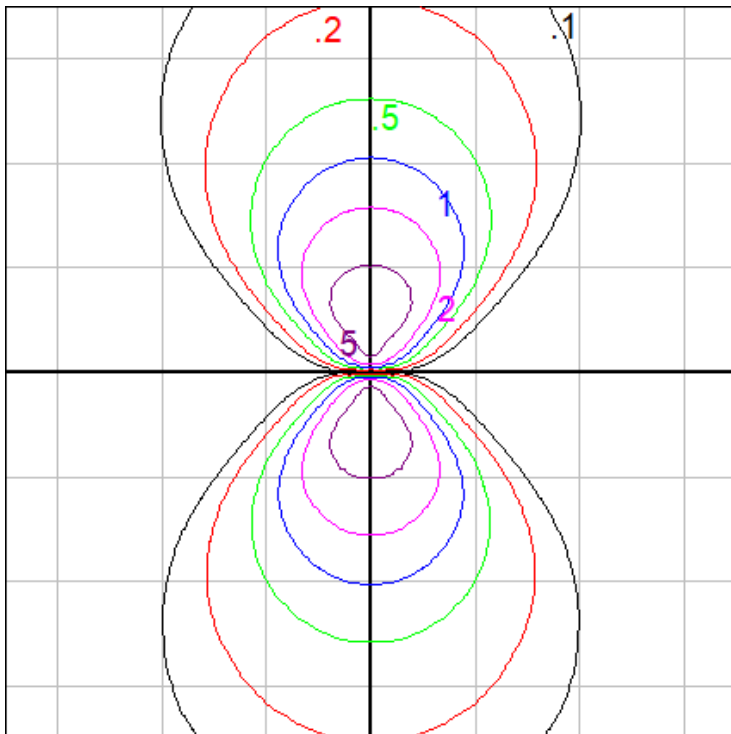
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

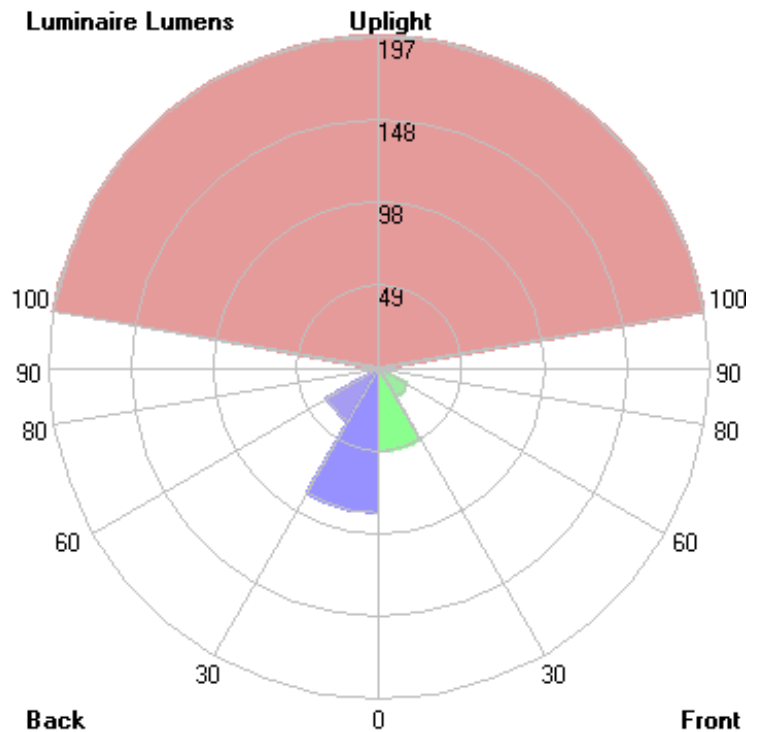
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	49.4	N.A.	12.6
FM (30-60)	19.5	N.A.	5.0
FH (60-80)	1.8	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	85.9	N.A.	21.9
BM (30-60)	36.0	N.A.	9.2
BH (60-80)	2.4	N.A.	0.6
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.3	N.A.	0.1
UH (100-180)	196.7	N.A.	50.1
Total	392.3	N.A.	100.0

BUG Rating B0-U3-G0



Grid Spacing: 3 ft.

Isofootcandle grid on wall



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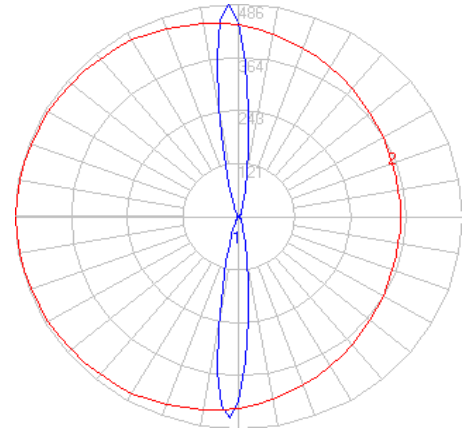
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File: 24178K3_BEGA_IES.ies

TEST: BE_24178K4
TEST LAB: BEGA
DATE: 08/02/2019
LUMINAIRE: 24178K3
LAMP: 10.0W LED



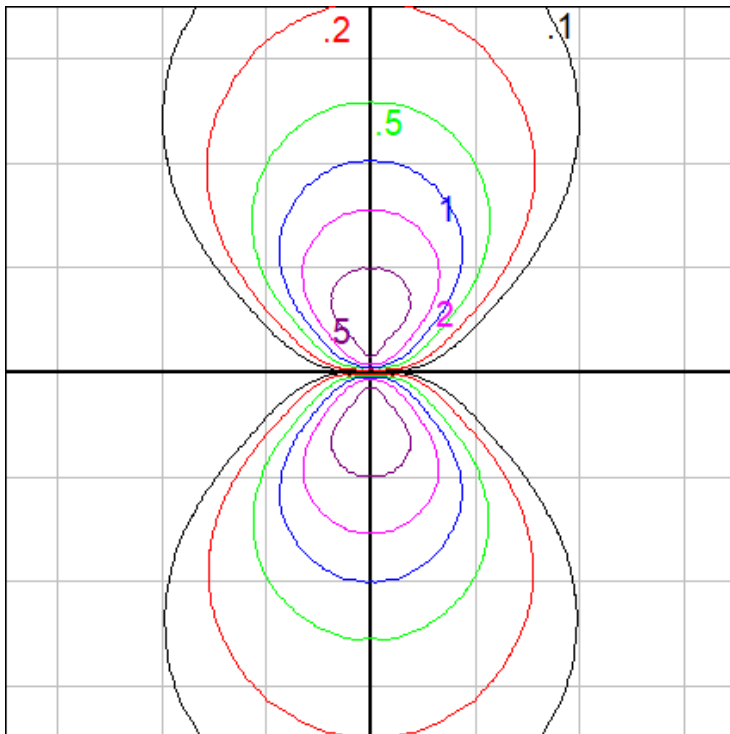
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

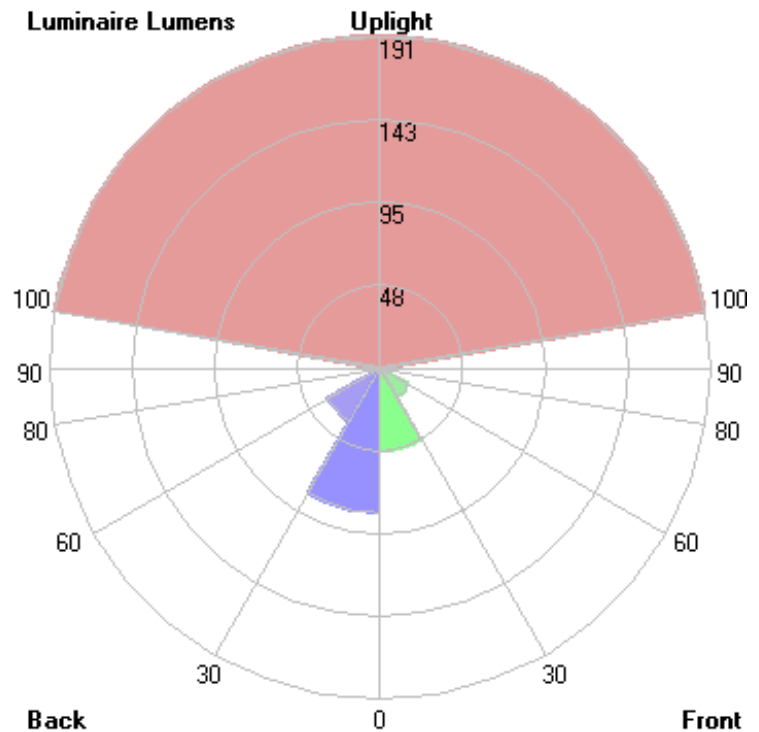
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	47.9	N.A.	12.6
FM (30-60)	18.9	N.A.	5.0
FH (60-80)	1.8	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	83.3	N.A.	21.9
BM (30-60)	34.9	N.A.	9.2
BH (60-80)	2.4	N.A.	0.6
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH (100-180)	190.6	N.A.	50.1
Total	380.3	N.A.	100.0

BUG Rating B0-U3-G0



Grid Spacing: 3 ft.

Isofootcandle grid on wall



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

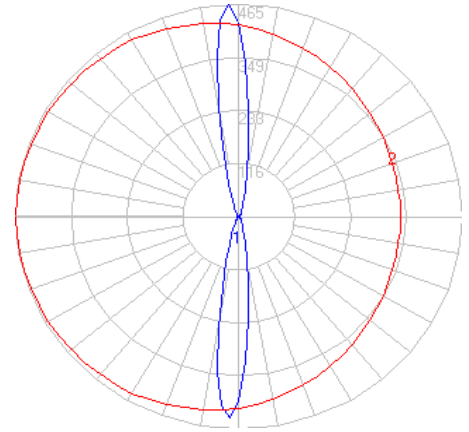
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BEGA

File: 24178K27_BEGA_IES.ies

TEST: BE_24178K4
TEST LAB: BEGA
DATE: 08/02/2019
LUMINAIRE: 24178K27
LAMP: 10.0W LED



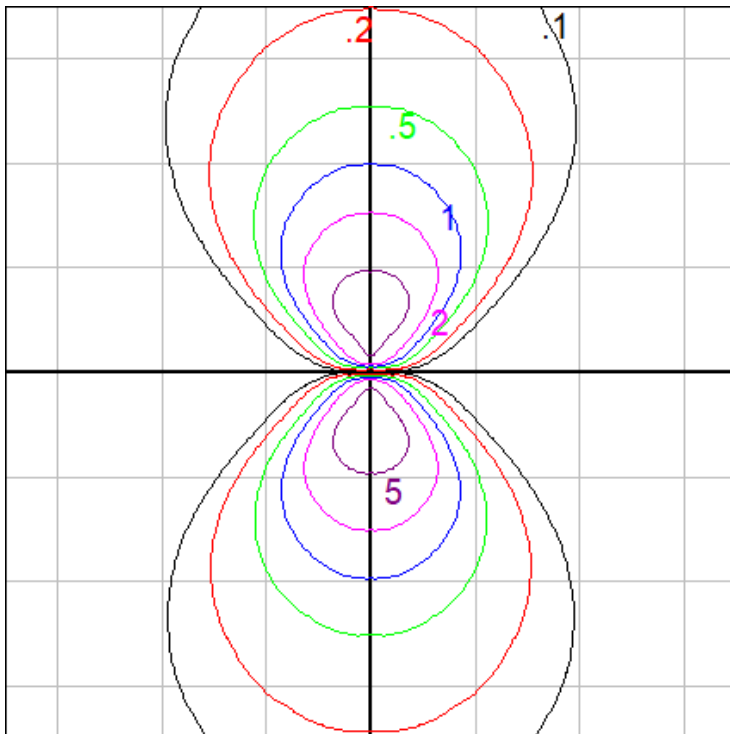
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	364
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	30
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.12 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

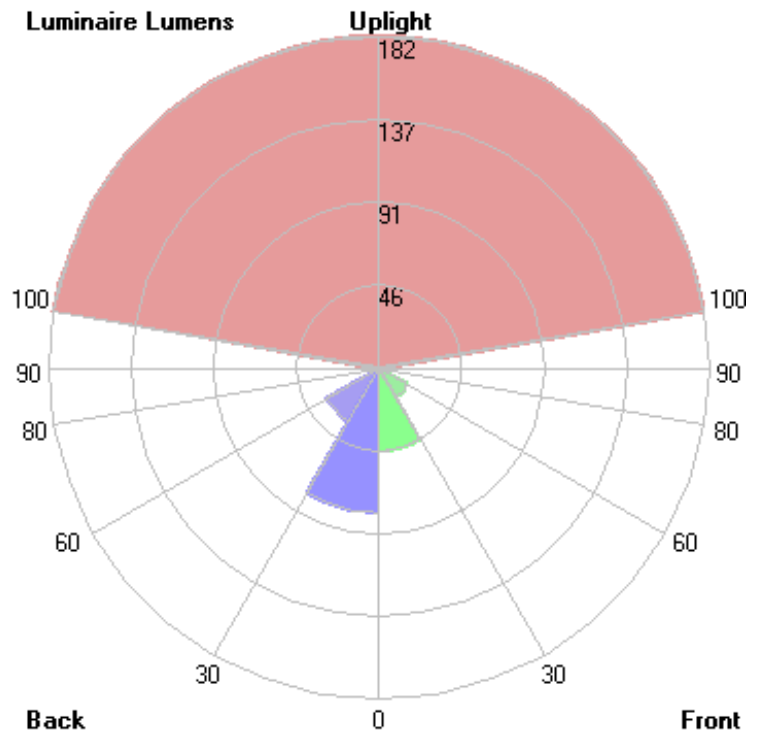
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	45.8	N.A.	12.6
FM (30-60)	18.1	N.A.	5.0
FH (60-80)	1.7	N.A.	0.5
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	79.7	N.A.	21.9
BM (30-60)	33.4	N.A.	9.2
BH (60-80)	2.3	N.A.	0.6
BVH(80-90)	0.2	N.A.	0.0
UL (90-100)	0.2	N.A.	0.1
UH (100-180)	182.5	N.A.	50.1
Total	364.0	N.A.	100.0

BUG Rating B0-U3-G0



Grid Spacing: 3 ft.

Isofootcandle grid on wall



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