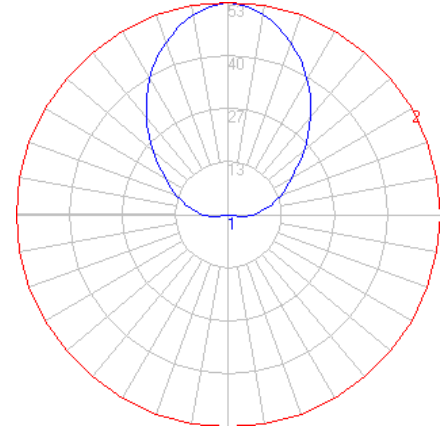


BEGA

File: 84272K4_BEGA_IES.ies

TEST: BE_84272K4
TEST LAB: BEGA
DATE: 09/05/2019
LUMINAIRE: 84 272K4
LAMP: 3.9W LED

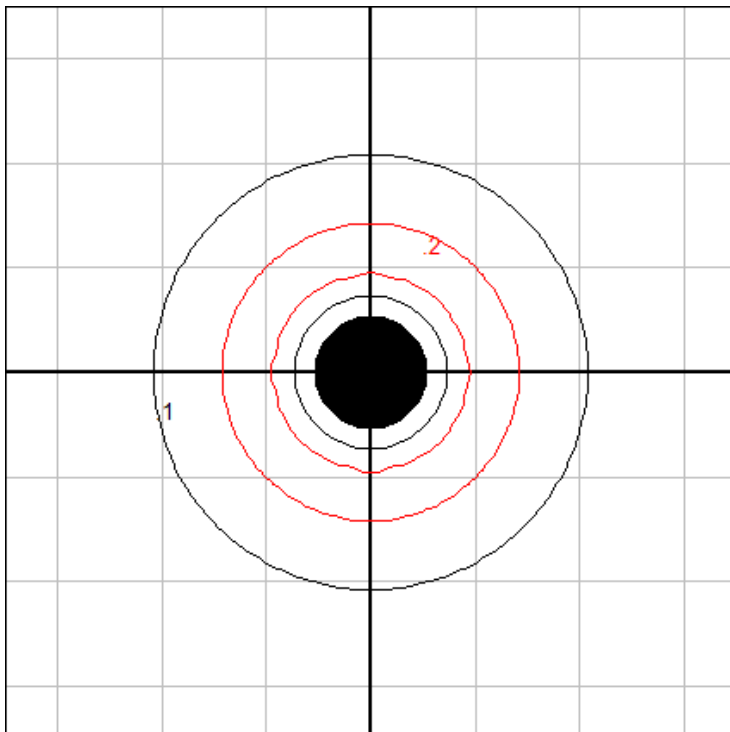


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	145
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	24
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.54 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.01
70-80	1.00
80-90	4.85
90-100	8.85
100-110	12.56
110-120	15.88
120-130	19.07
130-140	21.89
140-150	22.49
150-160	19.80
160-170	13.74
170-180	4.97



Grid Spacing: 1 ft.

Top View

Lum. Classification System (LCS)

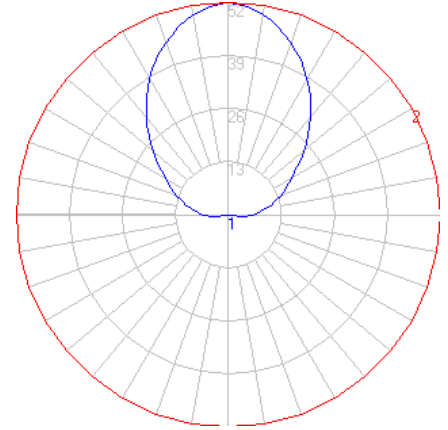
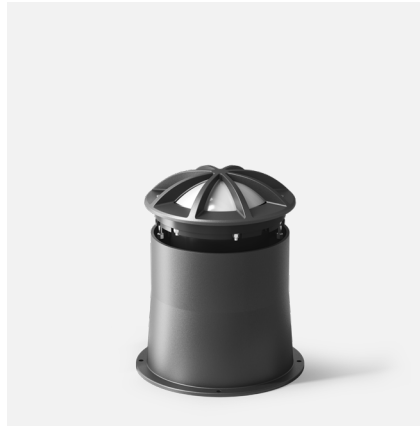
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	0.5	N.A.	0.3
FVH (80-90)	2.4	N.A.	1.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.5	N.A.	0.3
BVH (80-90)	2.4	N.A.	1.7
UL (90-100)	8.8	N.A.	6.1
UH (100-180)	130.4	N.A.	89.9
Total	145.0	N.A.	100.0

BUG Rating B0-U3-G0

BEGA

File: 84272K35_BEGA_IES.ies

TEST: BE_84272K4
TEST LAB: BEGA
DATE: 09/05/2019
LUMINAIRE: 84 272K35
LAMP: 3.9W LED

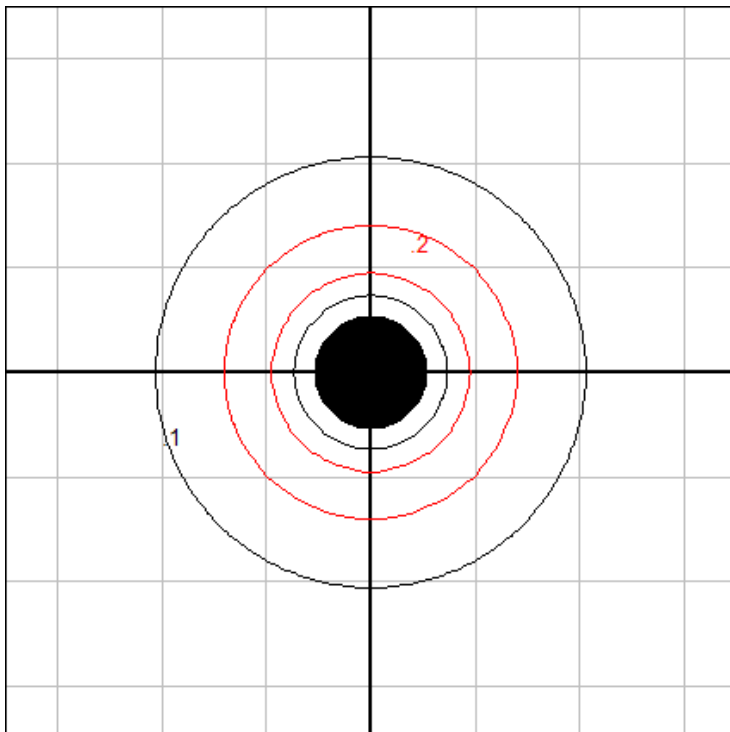


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	142
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	24
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.54 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.01
70-80	0.98
80-90	4.75
90-100	8.67
100-110	12.31
110-120	15.56
120-130	18.69
130-140	21.46
140-150	22.04
150-160	19.40
160-170	13.46
170-180	4.87



Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	0.5	N.A.	0.3
FVH (80-90)	2.4	N.A.	1.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.5	N.A.	0.3
BVH (80-90)	2.4	N.A.	1.7
UL (90-100)	8.7	N.A.	6.1
UH (100-180)	127.8	N.A.	89.8
Total	142.3	N.A.	100.0

BUG Rating B0-U3-G0

Grid Spacing: 1 ft.

Top View

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

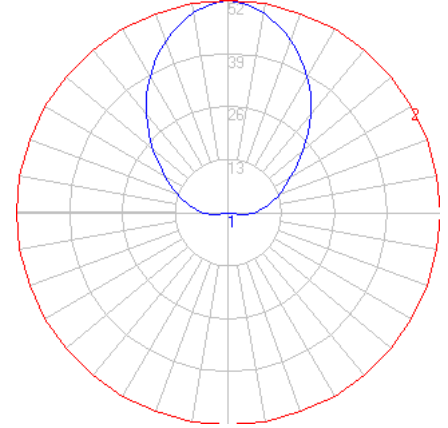
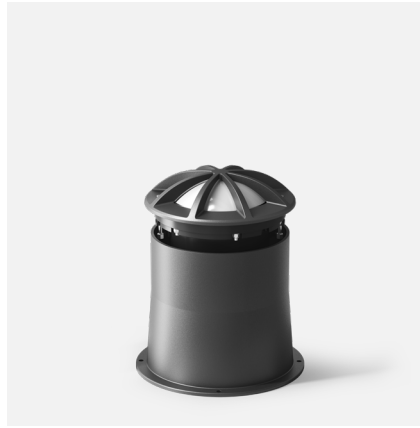
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6/17/2021

BEGA

File: 84272K3_BEGA_IES.ies

TEST: BE_84272K4
TEST LAB: BEGA
DATE: 09/05/2019
LUMINAIRE: 84 272K3
LAMP: 3.9W LED

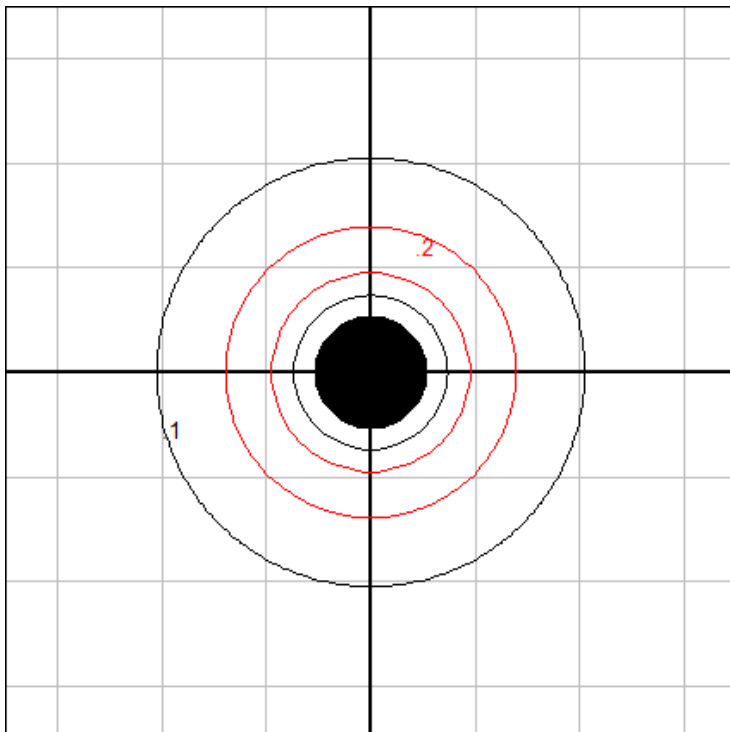


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	141
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	23
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.54 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.01
70-80	0.97
80-90	4.70
90-100	8.58
100-110	12.18
110-120	15.40
120-130	18.49
130-140	21.24
140-150	21.82
150-160	19.20
160-170	13.32
170-180	4.82



Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	0.5	N.A.	0.3
FVH (80-90)	2.4	N.A.	1.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.5	N.A.	0.3
BVH (80-90)	2.4	N.A.	1.7
UL (90-100)	8.6	N.A.	6.1
UH (100-180)	126.5	N.A.	89.8
Total	140.9	N.A.	100.0

BUG Rating B0-U3-G0

Grid Spacing: 1 ft.

Top View

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

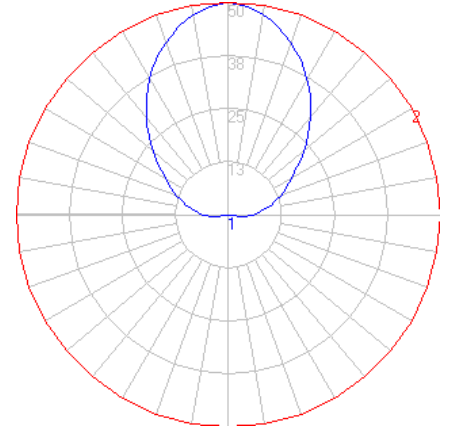
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BEGA

File: 84272K27_BEGA_IES.ies

TEST: BE_84272K4
TEST LAB: BEGA
DATE: 09/05/2019
LUMINAIRE: 84 272K27
LAMP: 3.9W LED

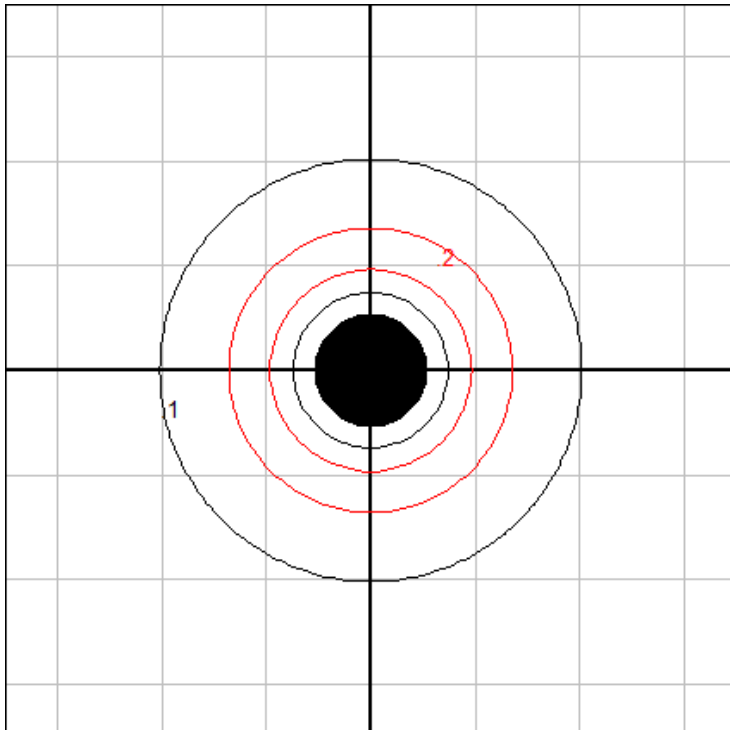


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	23
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.54 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.01
70-80	0.94
80-90	4.56
90-100	8.32
100-110	11.81
110-120	14.93
120-130	17.92
130-140	20.58
140-150	21.14
150-160	18.61
160-170	12.91
170-180	4.67



Grid Spacing: 1 ft.

Top View

Lum. Classification System (LCS)

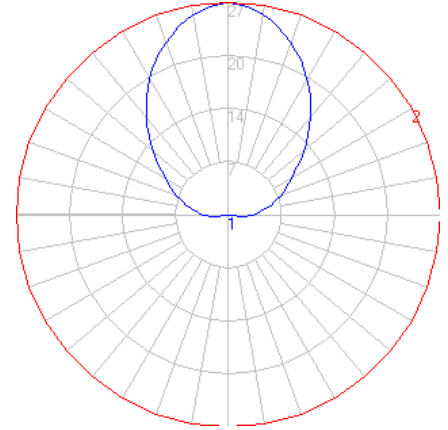
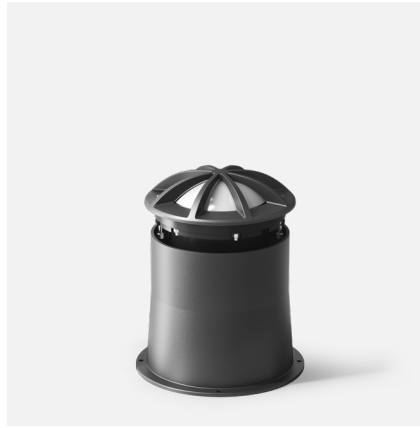
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	0.5	N.A.	0.3
FVH (80-90)	2.3	N.A.	1.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.5	N.A.	0.3
BVH (80-90)	2.3	N.A.	1.7
UL (90-100)	8.3	N.A.	6.1
UH (100-180)	122.6	N.A.	89.8
Total	136.5	N.A.	100.0

BUG Rating B0-U3-G0

BEGA

File: 84272_AMB_BEGA_IES.ies

TEST: BE_84272K4
TEST LAB: BEGA
DATE: 09/05/2019
LUMINAIRE: 84 272 AMBER
LAMP: 2.7W LED

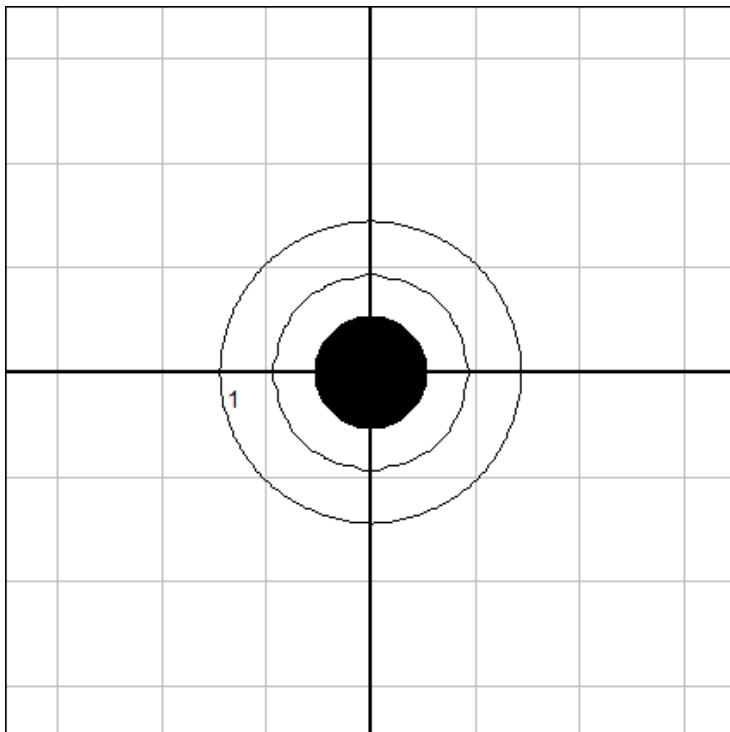


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	74
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	15
Total Luminaire Watts	5
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.54 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.01
70-80	0.51
80-90	2.47
90-100	4.51
100-110	6.41
110-120	8.10
120-130	9.72
130-140	11.17
140-150	11.47
150-160	10.10
160-170	7.01
170-180	2.54



Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	0.3	N.A.	0.3
FVH (80-90)	1.2	N.A.	1.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.3	N.A.	0.3
BVH (80-90)	1.2	N.A.	1.7
UL (90-100)	4.5	N.A.	6.1
UH (100-180)	66.5	N.A.	89.9
Total	74.0	N.A.	100.0

BUG Rating B0-U3-G0

Grid Spacing: 1 ft.

Top View

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